

NIMS GUIDE TO THE G28 ORBIT

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G28 Encounter starts 05/17/00,

G28 Playback starts 05/23/00

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 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 G28 Orbit for the NIMS Team. The aim of this guide is to provide detailed information on the various NIMS G28 observations and calibrations. Also included in this document is background information on the G28 orbit. This guide was produced before the start of the G28 orbit. After analysis of the NIMS G28 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 G28 orbit. Chapter 2 gives an overview of the G28 orbit and summarizes the NIMS science objectives for the G28 orbit using tables, spreadsheets and timelines. Chapter 3 contains diagrams of various aspects of spacecraft geometry for the G28 orbit. Chapter 4 summarizes the NIMS G28 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 G28 orbit.

For more information on the G28 orbit, please refer to the Galileo Orbit Planning guide and the Galileo Orbit Activity Plan for the G28 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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Chapter 1 - Introduction

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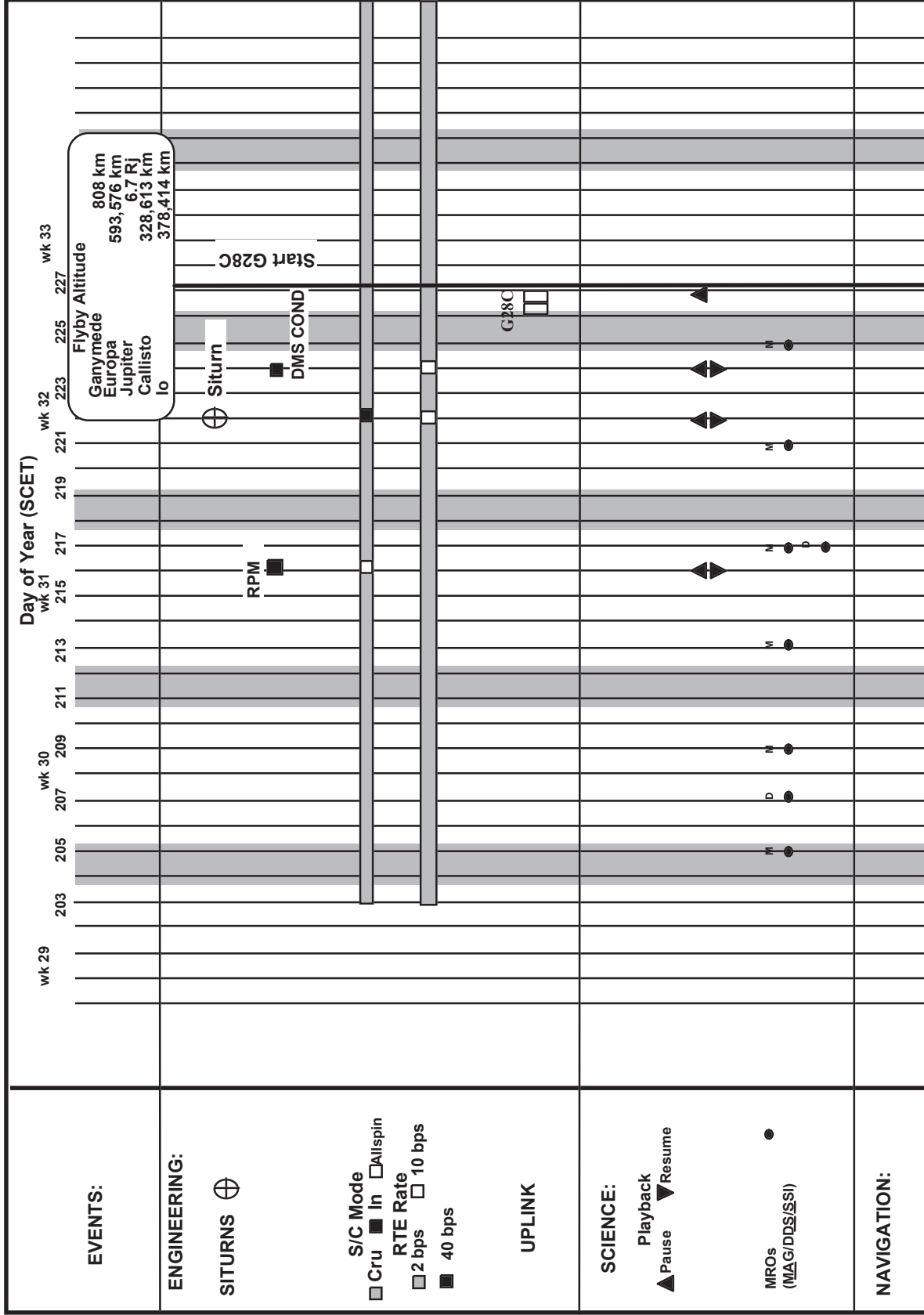
Introduction

This G28 orbit is the twenty-eighth of twenty-nine orbits in Galileo's Tour of the Jovian system and the second orbit in the Galileo Millennium Mission (GMM). G28 is a Ganymede Flyby.

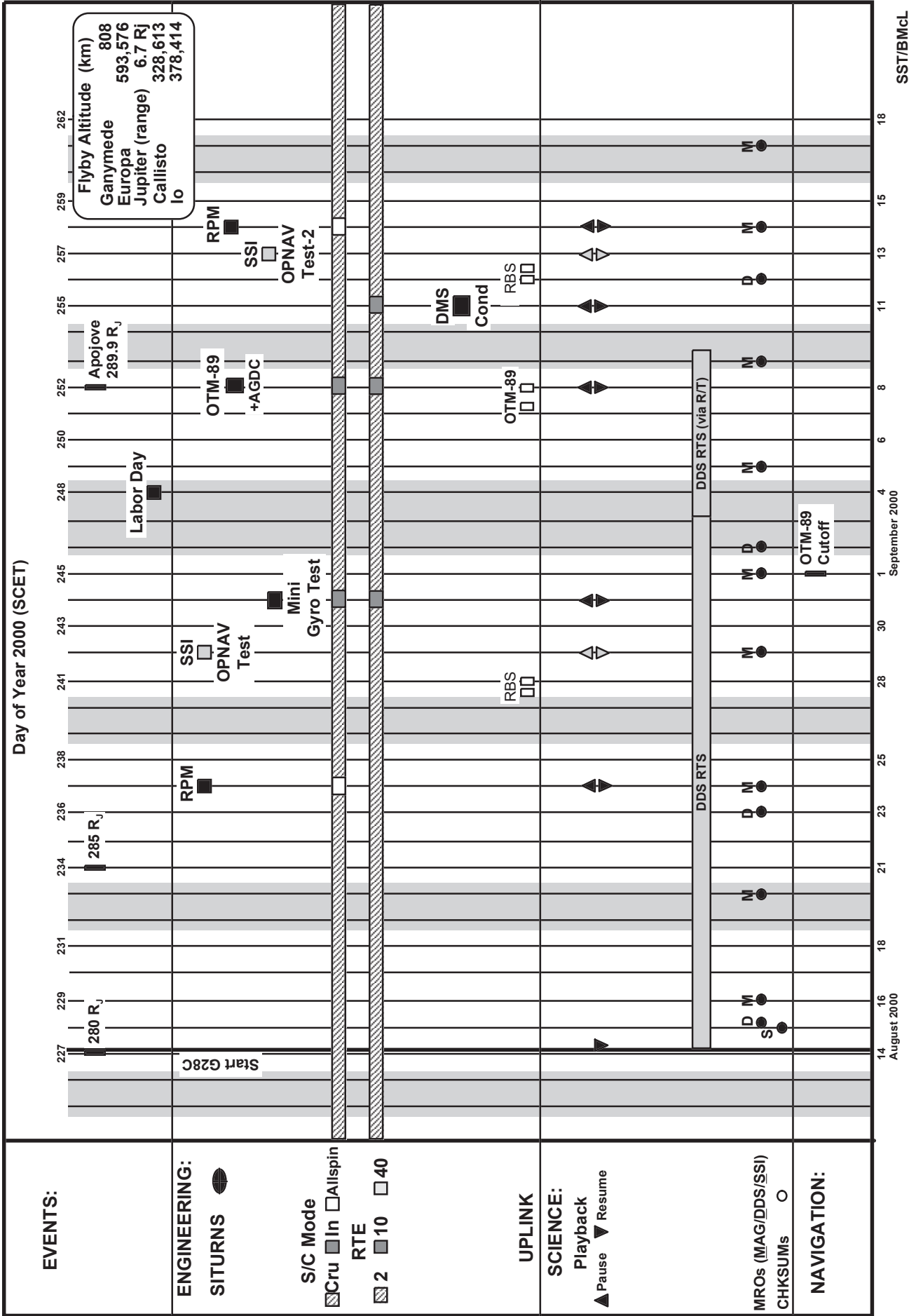
There are 30 autonomous reloads of the NIMS RAM code from CDS planned during the G28A encounter period, one just before each science observation. These reloads are in response to the on-going flight-anomalies where the NIMS RAM code takes some bit hits and halts the instrument during when the spacecraft is close to Jupiter. NIMS personnel will monitor the NIMS engineering telemetry data on a regular schedule to track the instrument's status.

The G28 orbit is divided into 4 sequence loads: one Encounter Load (G28A) and three Orbital Cruise Loads (G28B, G28C and G28D). The G28A load begins on D138 (05/17/00) and ends on D165 (06/13/00). This load contains the flyby of Ganymede. The Cruise Loads G28B, G28C and G28D run from D138 to D361. Playback of the recorded data takes place during the Cruise phase, G28B, G28C and G28D. A high-level overview timeline of the G28 orbit can be found on the following eight pages.

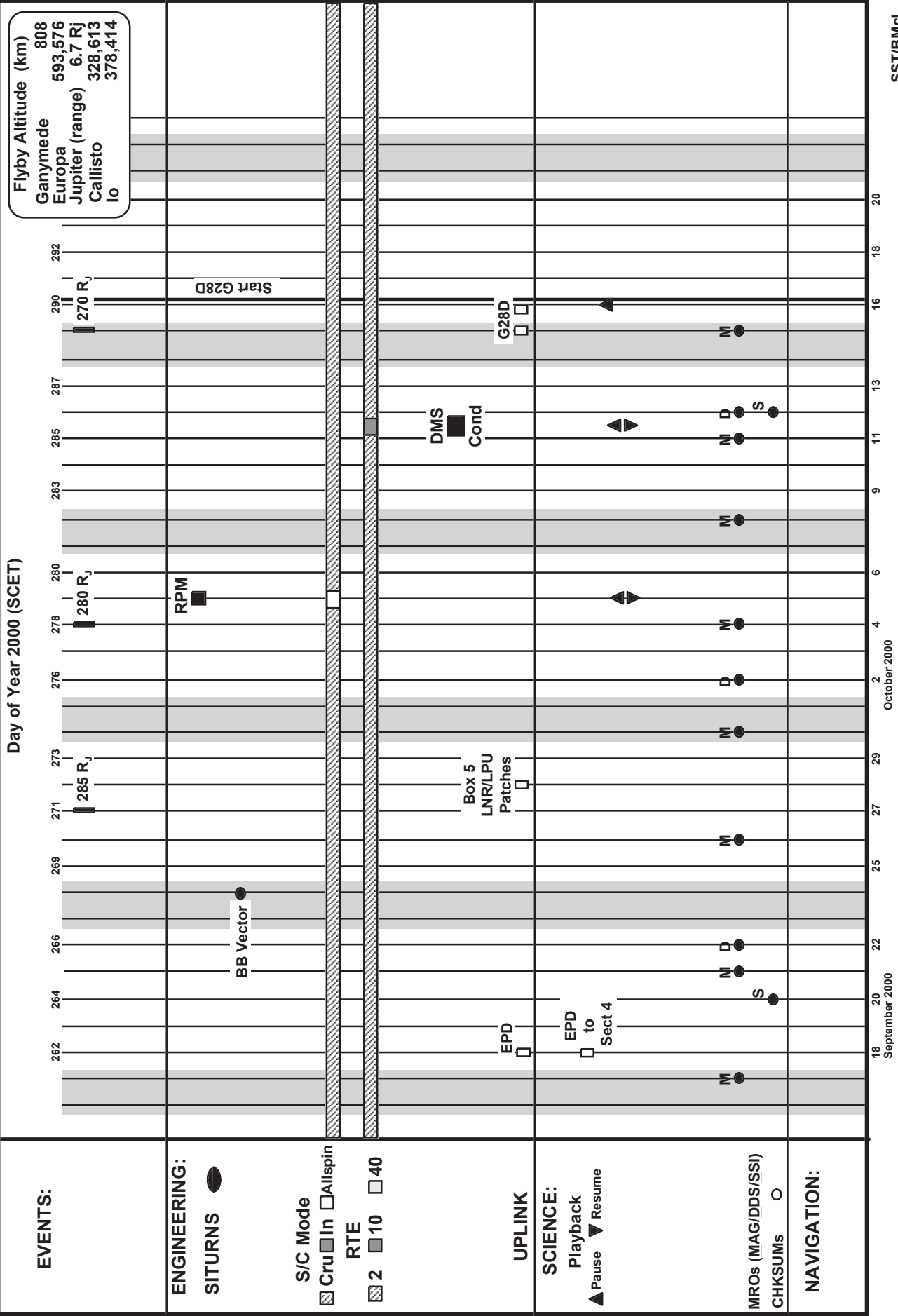
G28B Overview - Part 2



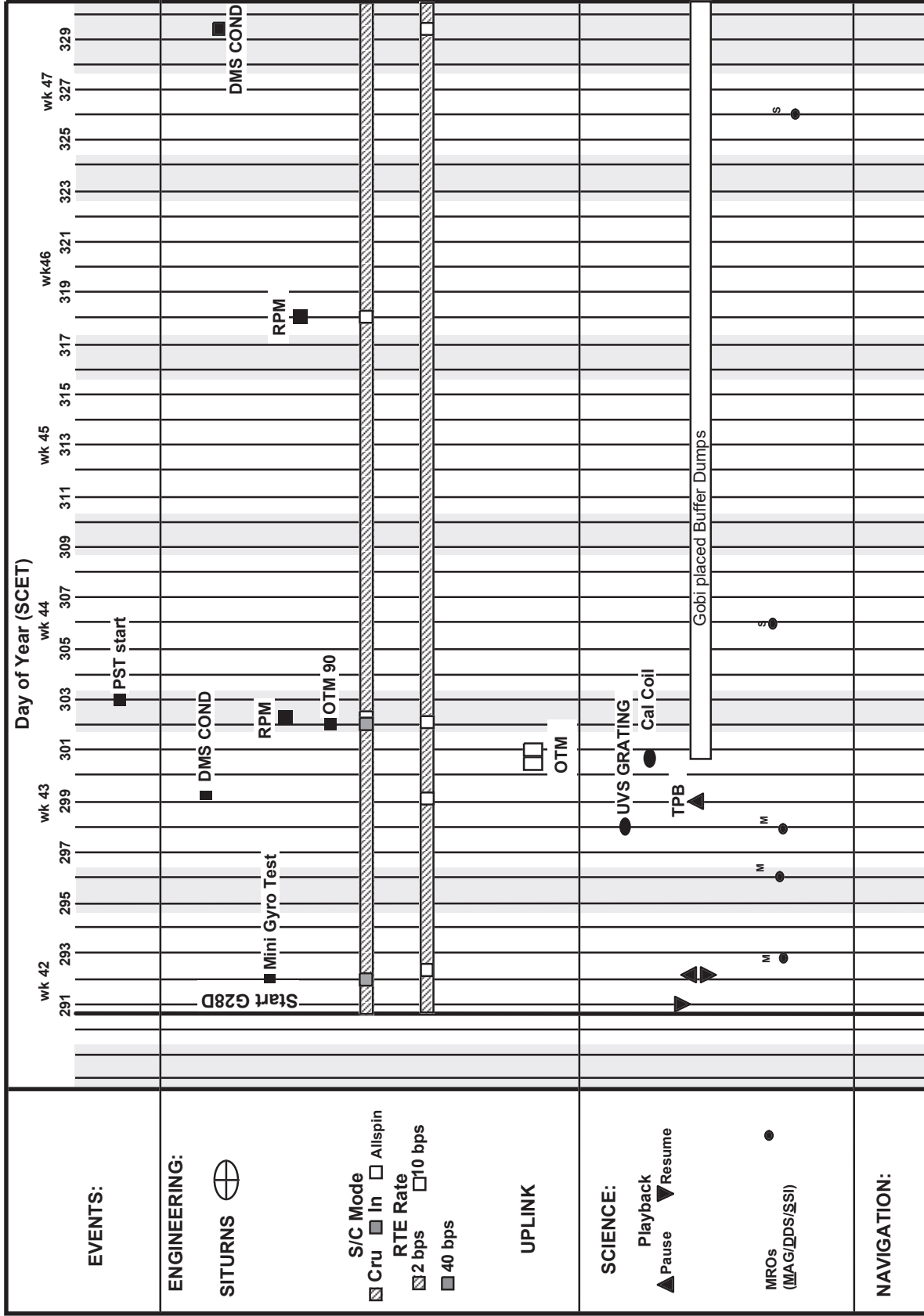
G28C Sequence Overview - Part 1



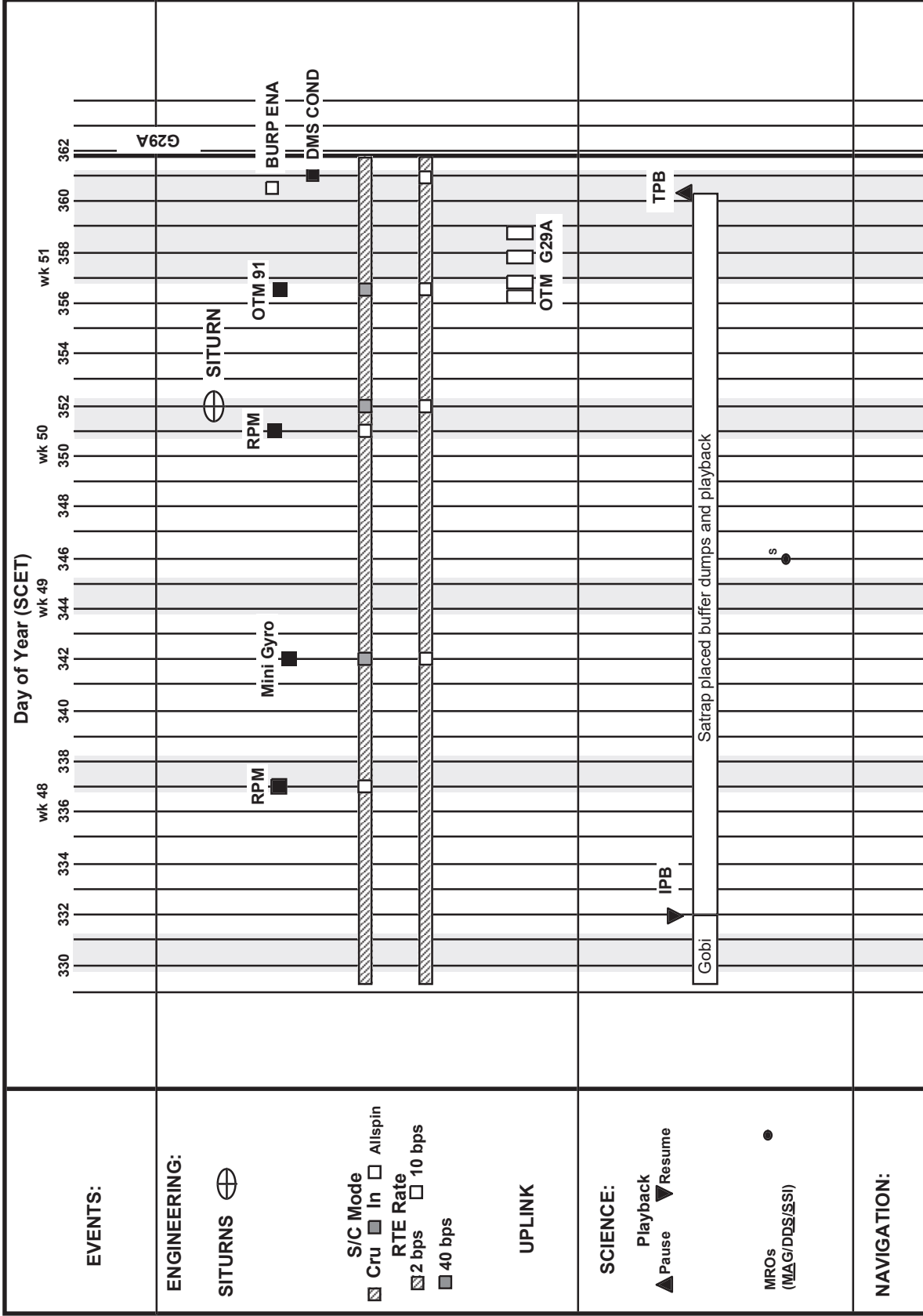
G28C Sequence Overview - Part 2



G28D Overview - Part 1



G28D Overview - Part 2



Nov 2000
December 2000

Introduction

The following table lists the major events during G28, including NIMS Real Time observations, in UTC.

05/17/00	00-138/10:00:00	G28 Encounter Start
05/20/00	00-141/10:11:42	G28 Ganymede Closest Approach
05/20/00	00-141/10:16:13	NIMS RAM Reload 01
05/20/00	00-141/10:34:24	NIMS RAM Reload 02
05/20/00	00-141/11:45:11	NIMS RAM Reload 03
05/20/00	00-141/16:03:01	NIMS RAM Reload 04
05/20/00	00-141/21:52:52	NIMS RAM Reload 05
05/21/00	00-142/04:53:55	PJ-28 Jupiter Closest Approach
05/21/00	00-142/11:11:03	NIMS RAM Reload 06
05/21/00	00-142/11:17:00	NIMS R/T Jupiter 01
05/21/00	00-142/11:39:15	NIMS R/T Jupiter 02
05/21/00	00-142/14:25:11	NIMS RAM Reload 07
05/21/00	00-142/14:34:10	NIMS R/T Jupiter 03
05/21/00	00-142/14:49:20	NIMS R/T Jupiter 04
05/21/00	00-142/22:10:18	NIMS RAM Reload 08
05/21/00	00-142/22:19:17	NIMS R/T Jupiter 05
05/21/00	00-142/22:39:30	NIMS R/T Jupiter 06
05/22/00	00-143/03:17:40	NIMS RAM Reload 09
05/22/00	00-143/03:24:38	NIMS R/T Jupiter 07
05/22/00	00-143/05:37:12	NIMS RAM Reload 10
05/22/00	00-143/05:44:10	NIMS R/T Jupiter 08
05/22/00	00-143/07:18:19	NIMS RAM Reload 11
05/22/00	00-143/07:24:16	NIMS R/T Jupiter 09
05/22/00	00-143/09:43:48	NIMS R/T Jupiter 10
05/22/00	00-143/10:37:30	NIMS RAM Reload 12
05/22/00	00-143/10:44:28	NIMS R/T Jupiter 11
05/22/00	00-143/12:04:02	NIMS RAM Reload 13
05/22/00	00-143/13:03:42	NIMS RAM Reload 14
05/22/00	00-143/14:24:35	NIMS RAM Reload 15
05/22/00	00-143/14:48:51	NIMS RAM Reload 16
05/22/00	00-143/15:15:08	NIMS RAM Reload 17
05/22/00	00-143/16:05:42	NIMS RAM Reload 18
05/22/00	00-143/16:39:04	NIMS RAM Reload 19
05/22/00	00-143/17:04:20	NIMS RAM Reload 20
05/22/00	00-143/18:05:00	NIMS RAM Reload 21
05/22/00	00-143/18:21:11	NIMS RAM Reload 22
05/22/00	00-143/19:25:54	NIMS RAM Reload 23
05/22/00	00-143/20:25:33	NIMS RAM Reload 24
05/23/00	00-144/01:57:37	NIMS RAM Reload 25
05/23/00	00-144/02:03:34	NIMS R/T Jupiter 12
05/23/00	00-144/03:57:56	NIMS RAM Reload 26
05/23/00	00-144/04:03:54	NIMS R/T Jupiter 13
05/23/00	00-144/05:58:16	NIMS RAM Reload 27
05/23/00	00-144/06:04:13	NIMS R/T Jupiter 14
05/23/00	00-144/07:57:34	NIMS RAM Reload 28
05/23/00	00-144/08:03:32	NIMS R/T Jupiter 15
05/23/00	00-144/09:57:54	NIMS RAM Reload 29
05/23/00	00-144/10:03:51	NIMS R/T Jupiter 16
06/07/00	00-159/01:27:08	NIMS RAM Reload 30
06/15/00	00-167/03:29:23	Start G28 Playback
07/05/00	00-187/23:09:30	NIMS RAM Reload 31
07/05/00	00-187/23:35:26	NIMS R/T RCT CAL
07/07/00	00-189/00:59:11	NIMS R/T PCT CAL
12/25/00	00-360/06:29:17	End G28 Playback

Chapter 2 - Orbit Overview

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Introduction to Chapter 2

This chapter gives an overview of the NIMS observations in the G28 Orbit.

The text on page 3 summarizes the NIMS science objectives for G28. The NIMS calibrations are discussed on page 3. Early data return and G28 playback are also discussed on page 3.

The table on pages 4 and 5 is a time-ordered listing of the NIMS Opels for G28.

The plot on page 6 shows the geometry of the NIMS G28 observations using a north trajectory pole view projection. The plot on page 7 shows the geometry of the NIMS G28 calibrations.

The spreadsheet on pages 8 and 9 summarizes the various inputs for the NIMS G28 Observations. The spreadsheet on pages 10 through 13 summarizes the resource usage for the NIMS G28 observations.

The table on pages 14 and 15 lists various NIMS G28 observing parameters: target latitude/longitude, range, cone angle, incidence angle (light), emission angle (view) and phase angle.

The timeline on pages 16 through 19 shows the placement of the G28 observations for all instruments during the G28 Encounter Period.

The tapemap on page 20 shows the placement of the G28 observations on the spacecraft's tape recorder.

The timeline on pages 21 through 40 shows the preliminary G28 playback schedule.

The NIMS G28 mosaic designs are summarized on pages 41 through 44 in time-order.

NIMS G28 SCIENCE OVERVIEW

Jupiter Science

There are twenty-nine Jupiter observations in G28. Sixteen are realtime and thirteen are recorded. Three of the realtime observations look at the Northern Temperate Belt (NTB), three more look at the North Equatorial Belt (NEB) and six look at the Equatorial Bulge (EQBLGE). Ten of the recorded observations look at the North Polar Aurora zone (AURORA), covering all 360 degrees of longitude in similar geometries. The remaining three recorded observations (GLOBAL) build up a global map covering just over half of Jupiter.

Io Science

Io was not observed in G28.

Europa Science

There is a single Europa eclipse observation in G28.

Ganymede Science

There are four observations of Ganymede in G28. FEATRE01 is a high resolution observation of a dark crater, ice and background dark regio. LMSCAN01 is a limb scan to look at Ganymede's atmosphere. PERRIN01 looks at the Perrine Region. GLOBAL01 is a global map of the Jupiter-facing hemisphere.

Callisto Science

Callisto was not observed in G28.

Calibration

There are two NIMS calibration observations planned for G28: one PCT cal and one RCT cal.

Early Data Return

There are eighteen realtime observations in G28: Sixteen Jupiter observations (JUPRTS), one PCT calibration and one RCT calibration.

G28 Playback

G28 playback is split into two passes through the tape.

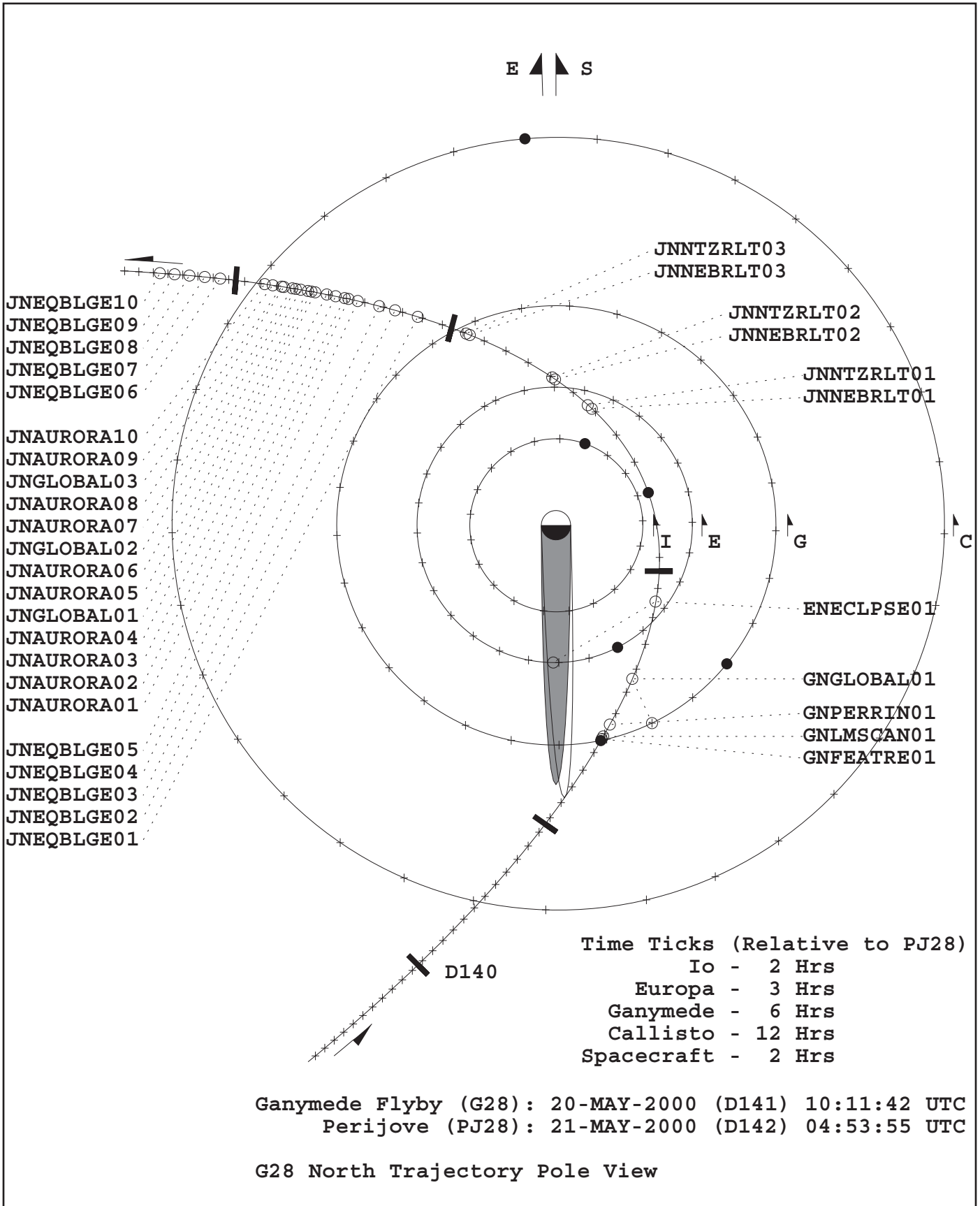
G28 Time-Ordered Listing

OAPEL	Start (UTC)	End (UTC)	Duration
28NNFEATRE01	00-141/10:15:30	00-141/10:17:32	000/00:02:01
28GNFEATRE01	00-141/10:17:32	00-141/10:28:39	000/00:11:07
28NNLMSCAN01	00-141/10:33:42	00-141/10:35:44	000/00:02:01
28GNLMSCAN01	00-141/10:35:44	00-141/10:49:53	000/00:14:09
28NNPERRIN01	00-141/11:44:29	00-141/11:46:30	000/00:02:01
28GNPERRIN01	00-141/11:46:30	00-141/12:22:54	000/00:36:24
28NNGLOBAL01	00-141/16:02:19	00-141/16:04:20	000/00:02:01
28GNGLOBAL01	00-141/16:04:20	00-141/16:53:53	000/00:49:32
28NNECLPSE01	00-141/21:52:10	00-141/21:54:11	000/00:02:01
28ENECLPSE01	00-141/21:54:11	00-141/22:09:21	000/00:15:10
28NNNEBRLT01	00-142/11:10:56	00-142/11:12:58	000/00:02:01
28JNNEBRLT01	00-142/11:12:58	00-142/11:28:08	000/00:15:10
28JNNTZRLT01	00-142/11:31:10	00-142/11:50:22	000/00:19:12
28NNNEBRLT02	00-142/14:25:04	00-142/14:27:06	000/00:02:01
28JNNEBRLT02	00-142/14:27:06	00-142/14:45:18	000/00:18:12
28JNNTZRLT02	00-142/14:45:18	00-142/15:00:28	000/00:15:10
28NNNEBRLT03	00-142/22:10:11	00-142/22:12:12	000/00:02:01
28JNNEBRLT03	00-142/22:12:12	00-142/22:30:24	000/00:18:12
28JNNTZRLT03	00-142/22:30:24	00-142/22:50:38	000/00:20:13
28NNEQBLGE01	00-143/03:17:34	00-143/03:19:35	000/00:02:01
28JNEQBLGE01	00-143/03:19:35	00-143/03:30:42	000/00:11:07
28NNEQBLGE02	00-143/05:37:06	00-143/05:39:07	000/00:02:01
28JNEQBLGE02	00-143/05:39:07	00-143/05:49:14	000/00:10:06
28NNEQBLGE03	00-143/07:18:12	00-143/07:20:14	000/00:02:01
28JNEQBLGE03	00-143/07:20:14	00-143/07:29:20	000/00:09:06
28JNEQBLGE04	00-143/09:38:45	00-143/09:48:52	000/00:10:06
28NNEQBLGE05	00-143/10:37:24	00-143/10:39:25	000/00:02:01
28JNEQBLGE05	00-143/10:39:25	00-143/10:49:32	000/00:10:06
28JNAURORA01	00-143/11:04:42	00-143/11:19:52	000/00:15:10
28NNAURORA02	00-143/12:03:20	00-143/12:05:22	000/00:02:01
28JNAURORA02	00-143/12:05:22	00-143/12:20:32	000/00:15:10
28NNAURORA03	00-143/13:03:00	00-143/13:05:01	000/00:02:01
28JNAURORA03	00-143/13:05:01	00-143/13:20:11	000/00:15:10

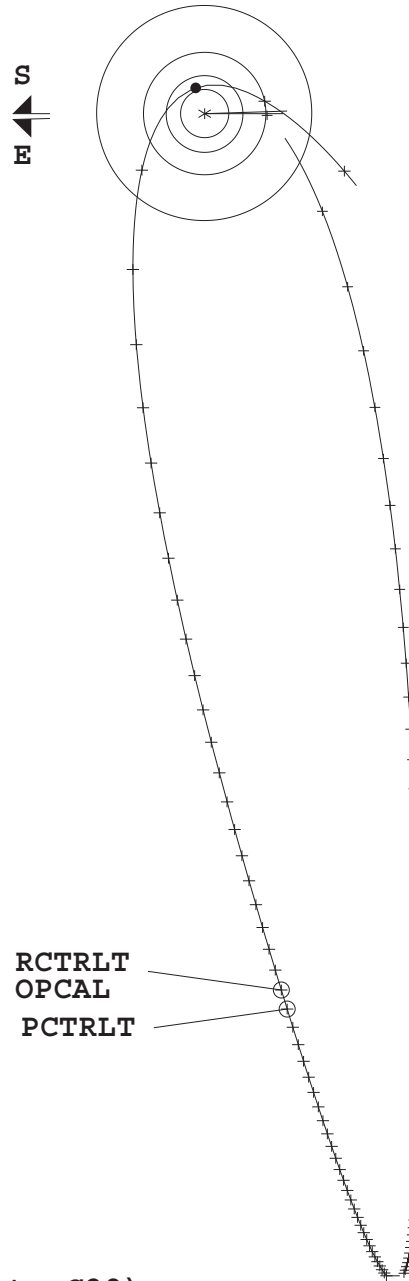
G28 Time-Ordered Listing

OAPEL	Start (UTC)	End (UTC)	Duration
28NNAURORA04	00-143/14:23:53	00-143/14:25:54	000/00:02:01
28JNAURORA04	00-143/14:25:54	00-143/14:40:04	000/00:14:09
28NNGLOBAL01	00-143/14:48:09	00-143/14:50:10	000/00:02:01
28JNGLOBAL01	00-143/14:50:10	00-143/15:14:26	000/00:24:16
28NNAURORA05	00-143/15:14:26	00-143/15:16:28	000/00:02:01
28JNAURORA05	00-143/15:16:28	00-143/15:30:37	000/00:14:09
28NNAURORA06	00-143/16:05:00	00-143/16:07:01	000/00:02:01
28JNAURORA06	00-143/16:07:01	00-143/16:20:10	000/00:13:08
28NNGLOBAL02	00-143/16:38:22	00-143/16:40:23	000/00:02:01
28JNGLOBAL02	00-143/16:41:24	00-143/17:03:38	000/00:22:14
28NNAURORA07	00-143/17:03:38	00-143/17:05:40	000/00:02:01
28JNAURORA07	00-143/17:05:40	00-143/17:19:49	000/00:14:09
28NNAURORA08	00-143/18:04:18	00-143/18:06:20	000/00:02:01
28JNAURORA08	00-143/18:06:20	00-143/18:20:29	000/00:14:09
28NNGLOBAL03	00-143/18:20:29	00-143/18:22:30	000/00:02:01
28JNGLOBAL03	00-143/18:22:30	00-143/18:49:48	000/00:27:18
28NNAURORA09	00-143/19:25:12	00-143/19:27:13	000/00:02:01
28JNAURORA09	00-143/19:27:13	00-143/19:40:22	000/00:13:08
28NNAURORA10	00-143/20:24:51	00-143/20:26:52	000/00:02:01
28JNAURORA10	00-143/20:26:52	00-143/20:40:01	000/00:13:08
28NNEQBLGE06	00-144/01:57:30	00-144/01:59:32	000/00:02:01
28JNEQBLGE06	00-144/01:59:32	00-144/02:08:38	000/00:09:06
28NNEQBLGE07	00-144/03:57:50	00-144/03:59:51	000/00:02:01
28JNEQBLGE07	00-144/03:59:51	00-144/04:08:57	000/00:09:06
28NNEQBLGE08	00-144/05:58:09	00-144/06:00:10	000/00:02:01
28JNEQBLGE08	00-144/06:00:10	00-144/06:09:16	000/00:09:06
28NNEQBLGE09	00-144/07:57:28	00-144/07:59:29	000/00:02:01
28JNEQBLGE09	00-144/07:59:29	00-144/08:08:35	000/00:09:06
28NNEQBLGE10	00-144/09:57:47	00-144/09:59:48	000/00:02:01
28JNEQBLGE10	00-144/09:59:48	00-144/10:08:54	000/00:09:06
28NNCHOPOF01	00-159/01:26:32	00-159/01:36:38	000/00:10:06
28NNRCTRLT01	00-187/11:00:53	00-188/00:16:38	000/13:15:44
28NNPCTRLT01	00-188/18:30:39	00-189/02:20:49	000/07:50:10

NIMS G28 OBSERVATIONS



NIMS G28 CALIBRATIONS



Time Ticks (Relative to G28)
Spacecraft - 2 Days

Ganymede Flyby (G28): 20-MAY-2000 (D141) 10:11:42 UTC
Perijove (PJ28): 21-MAY-2000 (D142) 04:53:54 UTC

G28 North Trajectory Pole View

NIMS - FEL - 05/22/00

G28 NIMS INPUTS

Activity ID	Observation Title	NIMS Edit Table	NIMS PB Table	Mode	Gain	Grating Start	Grating Offset	Record Fromat	PSID
28NNFEATRE01	NIMS Software Reload								
28GNFEATRE01	Ganymede Hi-Res Feature	G28GLM442	G28GLM360	LM	2	0	4	MPW	DA
28NNLMSCAN01	NIMS Software Reload								
28GNLMSCAN01	Ganymede Limb Scan	G28GLM442	G28GLM360	LM	4	0	4	MPW	DB
28NNPERRIN01	NIMS Software Reload								
28GNPERRIN01	Ganymede Perrine Region	G28GLM442	G28GLM360	LM	2	0	4	MPW	DC
28NNGLOBAL01	NIMS Software Reload								
28GNGLOBAL01	Ganymede Global Composition Map	G28GLM442	G28GLM360	LM	2	0	4	MPW	DD
28NNECLPSE01	NIMS Software Reload								
28ENECLPSE01	Europa Eclipse Obs	G28ELM442	G28ELM360	LM	4	0	4	MPW	DE
28NNNEBRLT01	NIMS Software Reload								
28JNNEBRLT01	Jupiter NEB R/T OBS	G28JLM442	R/T	LM	2	0	4	R/T	DF
28JNNTZRLT01	Jupiter NTZ R/T OBS	G28JLM442	R/T	LM	2	0	4	R/T	DG
28NNNEBRLT02	NIMS Software Reload								
28JNNEBRLT02	Jupiter NEB R/T OBS	G28JLM442	R/T	LM	2	0	4	R/T	DH
28JNNTZRLT02	Jupiter NTZ R/T OBS	G28JLM442	R/T	LM	2	0	4	R/T	DI
28NNNEBRLT03	NIMS Software Reload								
28JNNEBRLT03	Jupiter NEB R/T OBS	G28JLM442	R/T	LM	2	0	4	R/T	DJ
28JNNTZRLT03	Jupiter NTZ R/T OBS	G28JLM442	R/T	LM	2	0	4	R/T	DK
28NNEQBLGE01	NIMS Software Reload								
28JNEQBLGE01	Jupiter Equatorial Bulge	G28JLM442	R/T	LM	2	0	4	R/T	DL
28NNEQBLGE02	NIMS Software Reload								
28JNEQBLGE02	Jupiter Equatorial Bulge	G28JLM442	R/T	LM	2	0	4	R/T	DM
28NNEQBLGE03	NIMS Software Reload								
28JNEQBLGE03	Jupiter Equatorial Bulge	G28JLM442	R/T	LM	2	0	4	R/T	DN
28NNEQBLGE04	NIMS Software Reload								
28JNEQBLGE04	Jupiter Equatorial Bulge	G28JLM442	R/T	LM	2	0	4	R/T	DO
28NNEQBLGE05	NIMS Software Reload								
28JNEQBLGE05	Jupiter Equatorial Bulge	G28JLM442	R/T	LM	2	0	4	R/T	DP
28JNAURORA01	Jupiter Northern Aurora Mapping	G28JLM442	G28JLM360	LM	2	0	4	MPW	DQ
28NNAURORA02	NIMS Software Reload								
28JNAURORA02	Jupiter Northern Aurora Mapping	G28JLM442	G28JLM360	LM	2	0	4	MPW	DS
28NNAURORA03	NIMS Software Reload								
28JNAURORA03	Jupiter Northern Aurora Mapping	G28JLM442	G28JLM360	LM	2	0	4	MPW	DT
28NNAURORA04	NIMS Software Reload								
28JNAURORA04	Jupiter Northern Aurora Mapping	G28JLM442	G28JLM360	LM	2	0	4	MPW	DY
28NNGLOBAL01	NIMS Software Reload								
28JNGLOBAL01	Jupiter Global Observation	G28JGM17A	G28JXM15	XM	2	0	4	MPW	DZ
28NNAURORA05	NIMS Software Reload								
28JNAURORA05	Jupiter Northern Aurora Mapping	G28JLM442	G28JLM360	LM	2	0	4	MPW	KA
28NNAURORA06	NIMS Software Reload								
28JNAURORA06	Jupiter Northern Aurora Mapping	G28JLM442	G28JLM360	LM	2	0	4	MPW	KB
28NNGLOBAL02	NIMS Software Reload								
28JNGLOBAL02	Jupiter Global Observation	G28JGM17A	G28JXM15	XM	2	0	4	MPW	KC

G28 NIMS INPUTS

Activity ID	Observation Title	NIMS Edit Table	NIMS PB Table	Mode	Gain	Grating Start	Grating Offset	Record Fromat	PSID
28NNAURORA07	NIMS Software Reload								
28JNAURORA07	Jupiter Northern Aurora Mapping	G28JLM442	G28JLM360	LM	2	0	4	MPW	KD
28NNAURORA08	NIMS Software Reload								
28JNAURORA08	Jupiter Northern Aurora Mapping	G28JLM442	G28JLM360	LM	2	0	4	MPW	KE
28NNGLOBAL03	NIMS Software Reload								
28JNGLOBAL03	Jupiter Global Observation	G28JGM17A	G28JXM15	XM	2	0	4	MPW	EC
28NNAURORA09	NIMS Software Reload								
28JNAURORA09	Jupiter Northern Aurora Mapping	G28JLM442	G28JLM360	LM	2	0	4	MPW	KG
28NNAURORA10	NIMS Software Reload								
28JNAURORA10	Jupiter Northern Aurora Mapping	G28JLM442	G28JLM360	LM	2	0	4	MPW	KI
28NNEQBLGE06	NIMS Software Reload								
28JNEQBLGE06	Jupiter Equatorial Bulge	G28JLM442	R/T	LM	2	0	4	R/T	KJ
28NNEQBLGE07	NIMS Software Reload								
28JNEQBLGE07	Jupiter Equatorial Bulge	G28JLM442	R/T	LM	2	0	4	R/T	KK
28NNEQBLGE08	NIMS Software Reload								
28JNEQBLGE08	Jupiter Equatorial Bulge	G28JLM442	R/T	LM	2	0	4	R/T	KL
28NNEQBLGE09	NIMS Software Reload								
28JNEQBLGE09	Jupiter Equatorial Bulge	G28JLM442	R/T	LM	2	0	4	R/T	KM
28NNEQBLGE10	NIMS Software Reload								
28JNEQBLGE10	Jupiter Equatorial Bulge	G28JLM442	R/T	LM	2	0	4	R/T	KN
28NNCHOPF01	NIMS Chopper Off								
28NNRTRLT01-	RCT Calibration	G28RCT252	R/T	LM	1	0	4	R/T	XE
28NNROPF01	NIMS OPCAL	G28OPCAL48	R/T	LM	4	0	4	R/T	XF
28NNPCTRLT01-	PCT Calibration	G28PCT252	R/T	LM	4	0	4	R/T	FE

G28 RESOURCES

Activity ID	Mode	Record Format	Obs. Cost (tracks)	Obs. Cost (ticks)	Number Wavelengths Returned	Obs Record (sec.)	Obs PB (sec.)	Selected		Obs Cycle time (sec)
								Bits to Tape sBOT (Mbits)	Bits to Tape BOT (Mbit)	
28GNFEATRE01	LM	MPW	0.0734	428	360	484	482.667	5.56	5.58	8.667
28GNLMBSCN01	LM	MPW	0.1090	635	360	720	719.333	8.29	8.29	8.667
28GNPERRIN01	LM	MPW	0.0732	427	360	482.7	480	5.53	5.56	8.667
28GNGLOBAL01	LM	MPW	0.1090	635	360	720	720	8.29	8.29	8.667
28ENECLPSE01	LM	MPW	0.0099	58	360	62.667	60	0.69	0.72	8.667
28JNNEBRLT01	LM	RT			360	480	480	0.00	0.00	8.667
28JNNTZRLT01	LM	RT			360	420	420	0.00	0.00	8.667
28JNNEBRLT02	LM	RT/BDT			360	480	480	0.00	0.00	8.667
28JNNTZRLT02	LM	RT			360	420	420	0.00	0.00	8.667
28JNNEBRLT03	LM	RT			360	480	480	0.00	0.00	8.667
28JNNTZRLT03	LM	RT			360	420	420	0.00	0.00	8.667
28JNEQBLGE01	LM	RT			360	300	300	0.00	0.00	8.667
28JNEQBLGE02	LM	RT			360	300	300	0.00	0.00	8.667
28JNEQBLGE03	LM	RT			360	300	300	0.00	0.00	8.667
28JNEQBLGE04	LM	RT			360	300	300	0.00	0.00	8.667
28JNEQBLGE05	LM	RT			360	300	300	0.00	0.00	8.667
28JNAURORA01	LM	MPW	0.0246	143	360	160	157	1.81	1.84	8.667
28JNAURORA02	LM	MPW	0.0246	143	360	160	157	1.81	1.84	8.667
28JNAURORA03	LM	MPW	0.0246	143	360	160	157	1.81	1.84	8.667
28JNAURORA04	LM	MPW	0.0246	143	360	160	157	1.81	1.84	8.667
28JNGLOBAL01	XM	MPW	0.0461	269	15	303	300	3.46	3.49	0.333
28JNAURORA05	LM	MPW	0.0246	143	360	160	157	1.81	1.84	8.667
28JNAURORA06	LM	MPW	0.0246	143	360	160	157	1.81	1.84	8.667
28JNGLOBAL02	XM	MPW	0.0522	304	15	343	340	3.92	3.95	0.333
28JNAURORA07	LM	MPW	0.0246	143	360	160	157	1.81	1.84	8.667
28JNAURORA08	LM	MPW	0.0246	143	360	160	157	1.81	1.84	8.667
28JNGLOBAL03	XM	MPW	0.0487	284	15	320	317	3.65	3.69	0.333
28JNAURORA09	LM	MPW	0.0246	143	360	160	157	1.81	1.84	8.667
28JNAURORA10	LM	MPW	0.0246	143	360	160	157	1.81	1.84	8.667
28JNEQBLGE06	LM	RT			360	300	300	0.00	0.00	8.667
28JNEQBLGE07	LM	RT			360	300	300	0.00	0.00	8.667
28JNEQBLGE08	LM	RT/BDT			360	300	300	0.00	0.00	8.667
28JNEQBLGE09	LM	RT			360	300	300	0.00	0.00	8.667
28JNEQBLGE10	LM	RT			360	300	300	0.00	0.00	8.667
28NNPCTRLT01	LM	RT								
					252					

G28 RESOURCES

Activity ID	Mode	Record Format	Obs. Cost (tracks)	Obs. Cost (ticks)	Number Wavelengths Returned	Obs Record (sec.)	Obs PB (sec.)	Selected Bits to Tape sBOT (MBITS)	Bits to Tape BOT (Mbit)	Mode Cycle time (sec)
28NNRCTRLT01	LM	RT			252					
27INMOSAI C01-	LM	MPW			360	842	842	9.70	9.70	8.667
27INPROMTH01-	LM	MPW			360	573	573	6.60	6.60	8.667
27ISCAMAXT01-	LM	MPW			360	102	100	1.15	1.18	8.667
27INCAMAXT01-	LM	MPW			360	120	116	1.34	1.38	8.667
27INAMPANI01-	LM	MPW			360	1120	1120	12.90	12.90	8.667

G28 RESOURCES

Activity ID	AACS Mbits c 2.5	Comp	Thold	RT BTG	Total BTG Mbits (w/4% ahead)	Data Reduction Factor (sBOT/BTG)	Pass
28GNFEATRE01	0.03	1.1			3.7910	1.47	1
28GNLMBSGN01	0.04	1.1			5.6498	1.47	1,2
28GNPERRIN01	0.03	1.1			3.7700	1.47	2
28GNGLOBAL01	0.04	1.1			5.6551	1.47	1,2
28NECLPSE01	0.00	1.1			0.4713	1.47	1
28JNNEBRLT01	0.03			0.1280		0.00	
28JNNTZRLT01	0.02			0.1120		0.00	
28JNNEBRLT02	0.03				0.1280	0.00	
28JNNTZRLT02	0.02			0.1120		0.00	
28JNNEBRLT03	0.03			0.1280		0.00	
28JNNTZRLT03	0.02			0.1120		0.00	
28JNEQBLGE01	0.02			0.0800		0.00	
28JNEQBLGE02	0.02			0.0800		0.00	
28JNEQBLGE03	0.02			0.0800		0.00	
28JNEQBLGE04	0.02			0.0800		0.00	
28JNEQBLGE05	0.02			0.0800		0.00	
28JNAURORA01	0.01	1.1			1.2331	1.47	2
28JNAURORA02	0.01	1.1			1.2331	1.47	1
28JNAURORA03	0.01	1.1			1.2331	1.47	2
28JNAURORA04	0.01	1.1			1.2331	1.47	1
28JNGLOBAL01	0.02	1.1			2.5553	1.35	2
28JNAURORA05	0.01	1.1			1.2331	1.47	1
28JNAURORA06	0.01	1.1			1.2331	1.47	2
28JNGLOBAL02	0.02	1.1			2.8960	1.35	1
28JNAURORA07	0.01	1.1			1.2331	1.47	2
28JNAURORA08	0.01	1.1			1.2331	1.47	1
28JNGLOBAL03	0.02	1.1			2.7001	1.35	2
28JNAURORA09	0.01	1.1			1.2331	1.47	1
28JNAURORA10	0.01	1.1			1.2331	1.47	2
28JNEQBLGE06	0.02			0.0800		0.00	
28JNEQBLGE07	0.02			0.0800		0.00	
28JNEQBLGE08	0.02				0.0800	0.00	
28JNEQBLGE09	0.02			0.0800		0.00	
28JNEQBLGE10	0.02			0.0800		0.00	
28NNPCTRLT01				0.2000			

G28 RESOURCES

Activity ID	AACS Mbits	Comp	Thold	RT BTG	Total BTG Mbits	Data Reduction Factor	Pass
	c 2.5			(w/4% ahead)	(sBOT/BTG)		
28NNRCTRLT01				0.1400			
27INMOSAIC01-	0.05	1.24			5.8666	1.65	1
27INPROMTH01-	0.03	1.08			4.5838	1.44	1
27ISCAMAXT01-	0.01	1.19			0.7260	1.59	1
27INCAMAXT01-	0.01	1.13			0.8869	1.51	1
27INAMRANI01-	0.06	1.06			9.1287	1.41	1

NIMS G28 OBSERVING GEOMETRY

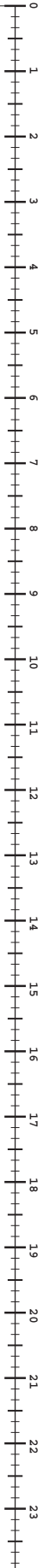
OAPEL	Latitude (deg)	Longitude (deg)	Range (km)	Cone (deg)	Light (deg)	View (deg)	Phase (deg)
28GNFEATRE01	-32 to -28	336 to 339	5.4 to 10.3K	134 to 149	47 to 50	32 to 34	29 to 43
28GNLMSCAN01	+8 to +12	60 to 78	18 to 25K	143 to 147	45 to 62	79 to 94	33 to --
28GNPERRIN01	-10 to +10	345 to 15	65 to 86K	158 to 160	4 to 38	0 to 23	17 to 19
28GNGLOBAL01	-30 to +30	190 to 100	250K	161	3 to 106	3 to 90	16
28ENECLPSE01	-90 to +90	45 to 95	586K	123	9 to 149	3 to 90	59
28JNNEBRLT01	+7 to +9	22 to 30	530K	165	6 to 16	7 to 18	17
28JNNTZRLT01	+20 to +23	33 to 45	547K	167	20 to 24	21 to 30	15
28JNNEBRLT02	+7 to +19	75 to 85	680K	176	48 to 65	52 to 70	6
28JNNTZRLT02	+20 to +33	79 to 90	690K	175	54 to 71	58 to 76	6
28JNNEBRLT03	+4 to +7	15 to 30	955K	153	24 to 45	7 to 22	24
28JNNTZRLT03	+17 to +20	29 to 45	972K	152	27 to 45	20 to 26	25
28JNEQBLGE01	-1 to +1	275 to 296	1200K	140	32 to 55	69 to 91	37 to --
28JNEQBLGE02	-1 to +1	350 to 10	1300K	137	28 to 51	68 to 92	40 to --
28JNEQBLGE03	-1 to +1	53 to 74	1360K	135	26 to 50	68 to 92	42 to --
28JNEQBLGE04	-1 to +1	134 to 156	1450K	133	23 to 47	67 to 92	44 to --
28JNEQBLGE05	-1 to +1	169 to 192	1490K	132	22 to 46	67 to 92	45 to --

NIMS G28 OBSERVING GEOMETRY

OAPEL	Latitude (deg)	Longitude (deg)	Range (km)	Cone (deg)	Light (deg)	View (deg)	Phase (deg)
28JNAURORA01	+55 to +85	125 to 180	1500K	134	66 to 95	67 to 92	42 to --
28JNAURORA02	+55 to +85	160 to 210	1540K	134	66 to 92	67 to 92	43 to --
28JNAURORA03	+50 to +85	190 to 220	1570K	133	62 to 94	63 to 84	44 to --
28JNAURORA04	+50 to +85	240 to 300	1620K	131	63 to 92	63 to 91	45 to --
28JNGLOBAL01	-55 to -5	200 to 310	1630K	130	2 to 120	4 to 90	45
28JNAURORA05	+50 to +85	275 to 325	1650K	131	65 to 112	65 to 92	46 to --
28JNAURORA06	+50 to +85	300 to 350	1680K	130	63 to 93	64 to 91	46 to --
28JNGLOBAL02	-90 to -10	260 to 20	1690K	131	4 to 122	5 to 91	46 to --
28JNAURORA07	+50 to +80	350 to 40	1720K	128	64 to 113	65 to 92	47 to --
28JNAURORA08	+50 to +85	15 to 60	1750K	128	62 to 93	62 to 91	48 to --
28JNGLOBAL03	-70 to -15	315 to 90	1750K	128	2 to 126	1 to 91	47
28JNAURORA09	+50 to +85	70 to 110	1790K	126	61 to 122	62 to 92	49 to --
28JNAURORA10	+50 to +85	100 to 140	1830K	126	63 to 97	64 to 91	49 to --
28JNEQBLGE06	-1 to +1	350 to 20	2020K	121	9 to 35	64 to 91	55 to --
28JNEQBLGE07	-1 to +1	60 to 90	2090K	120	7 to 34	63 to 91	56 to --
28JNEQBLGE08	-1 to +1	130 to 160	2150K	119	5 to 33	61 to 91	57 to --
28JNEQBLGE09	-1 to +1	200 to 230	2210K	118	6 to 32	63 to 91	58 to --
28JNEQBLGE10	-1 to +1	275 to 305	2280K	118	5 to 31	62 to 90	59 to --

G28 ENCOUNTER
Plot Time: 00-14/1/00:00:00.000 to 00-14/2/00:00:00.000
Date of Plot: 24-May-100 11:12:16

GEM: G28



NIMS Observations

28NNFEATRE01-
28GNFEATRE01
28NNLMSCAN01-
28GNLMSCAN01

28NNPERRIN01-
28GNPERRIN01

28NNGLOBAL01-
28GNGLOBAL01

28NNECLPSE01-
28ENECLPSE01

PPR Observations

28NPRCTCAL01

28GPHIRES_01

28GPGLOBAL01

28EPSTP11401

28EPSTP10302

28EPSTP09003

28EPSTP07704

28EPSTP06105

28EPSTP04506

SSI Observations

28GSSMOOTH01-
28GSBRTDRK01-
28GSNICHOL01-
28GSARBELA01-
28GSCALDRA01
28GSSMOOTH02-
28GSBRTDRK02-
28GSNICHOL02-
28GSARBELA02-
28GSCALDRA02-
28GSSMTHDK01-

UVS/EUV Observations

28RUPPOCC01

28RSOCC0101

28MSURVEY01-

28BSATCA_01-

MWG Observations

Geometric Events

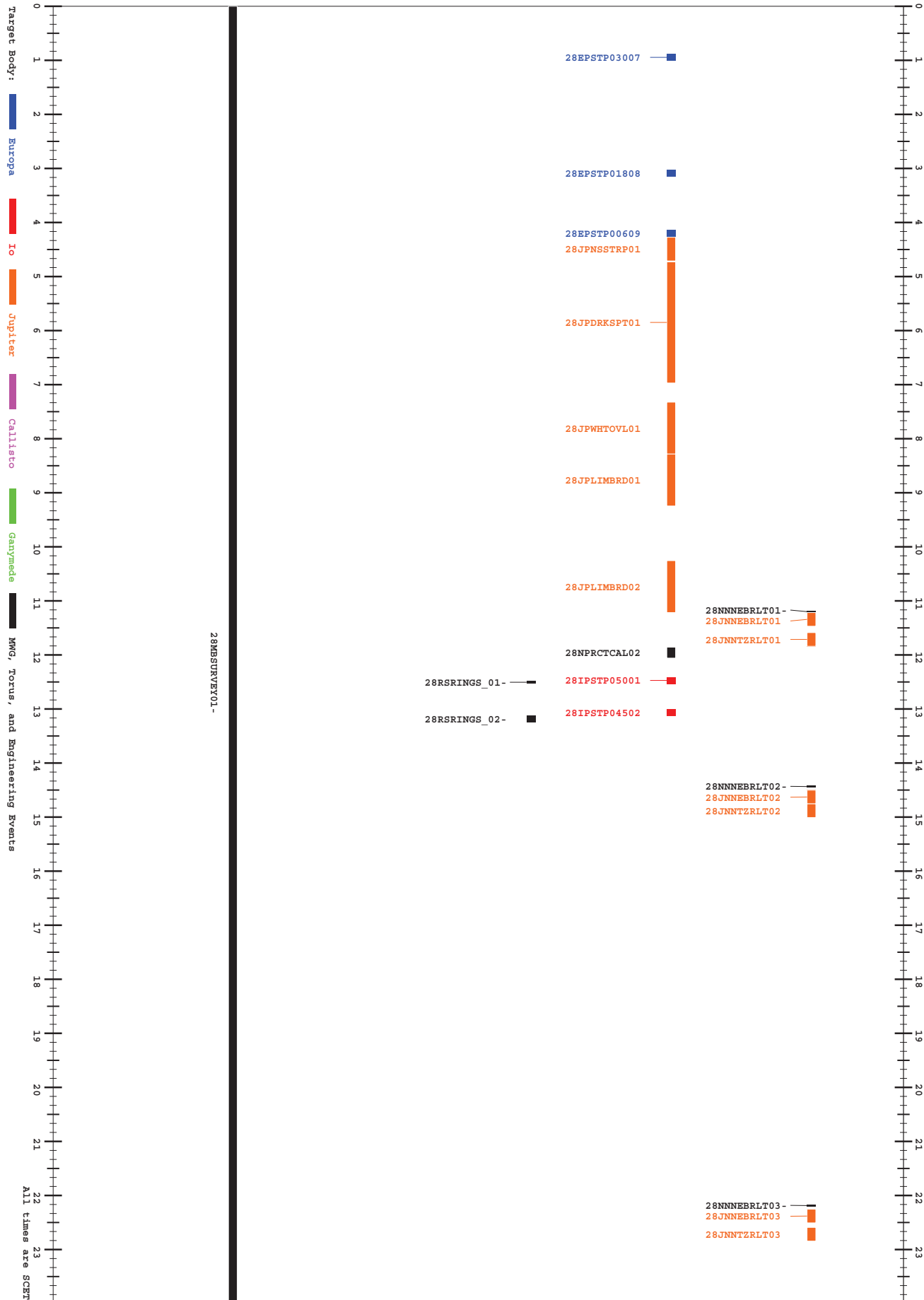
Target Body: Europa Io Jupiter Callisto Ganymede MWG, Torus, and Engineering Events

All times are SGT

Geometric Events MWG Observations RS UVS/EUV Observations SSI Observations PPR Observations NIMS Observations

G28 ENCOUNTER
Plot Time: 00-142/00:00:00.000 to 00-143/00:00:00.000
Date of Plot: 24-May-100 11:12:16

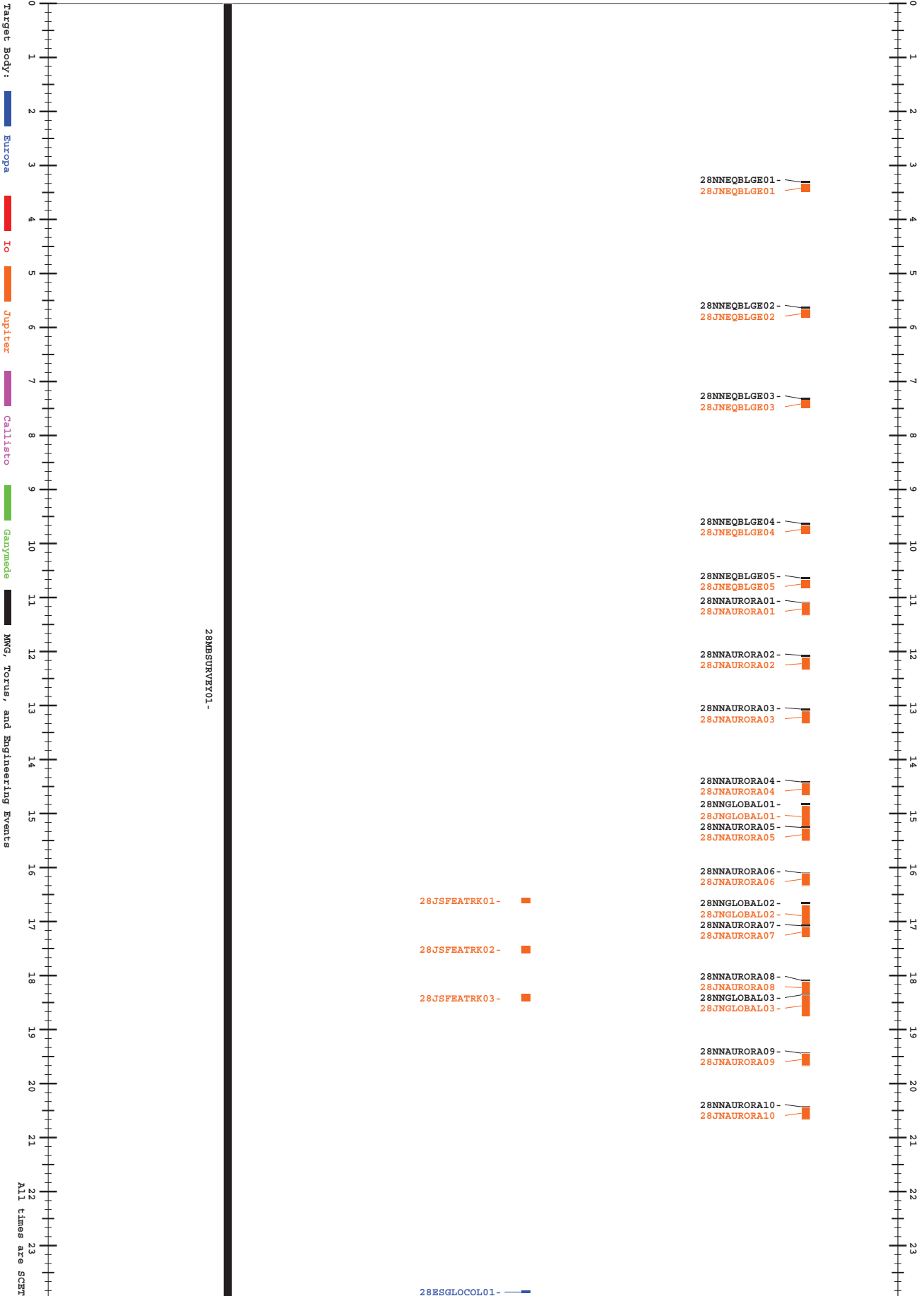
GEMM: G28



Geometric Events MWG Observations RS UVS/EUV Observations SSI Observations PPR Observations NIMS Observations

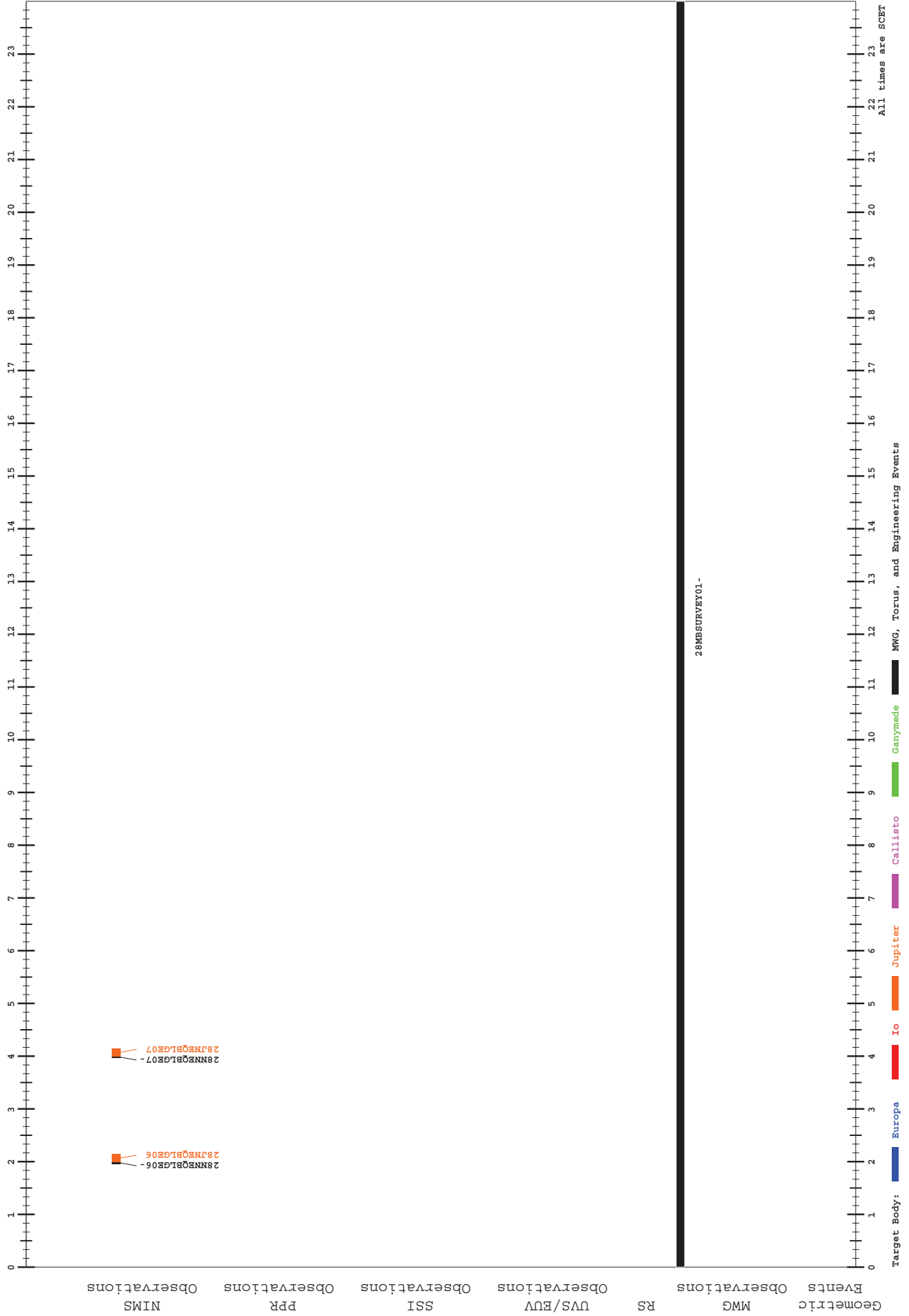
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Date of Plot: 24-May-100 11:12:16

GEM: G28

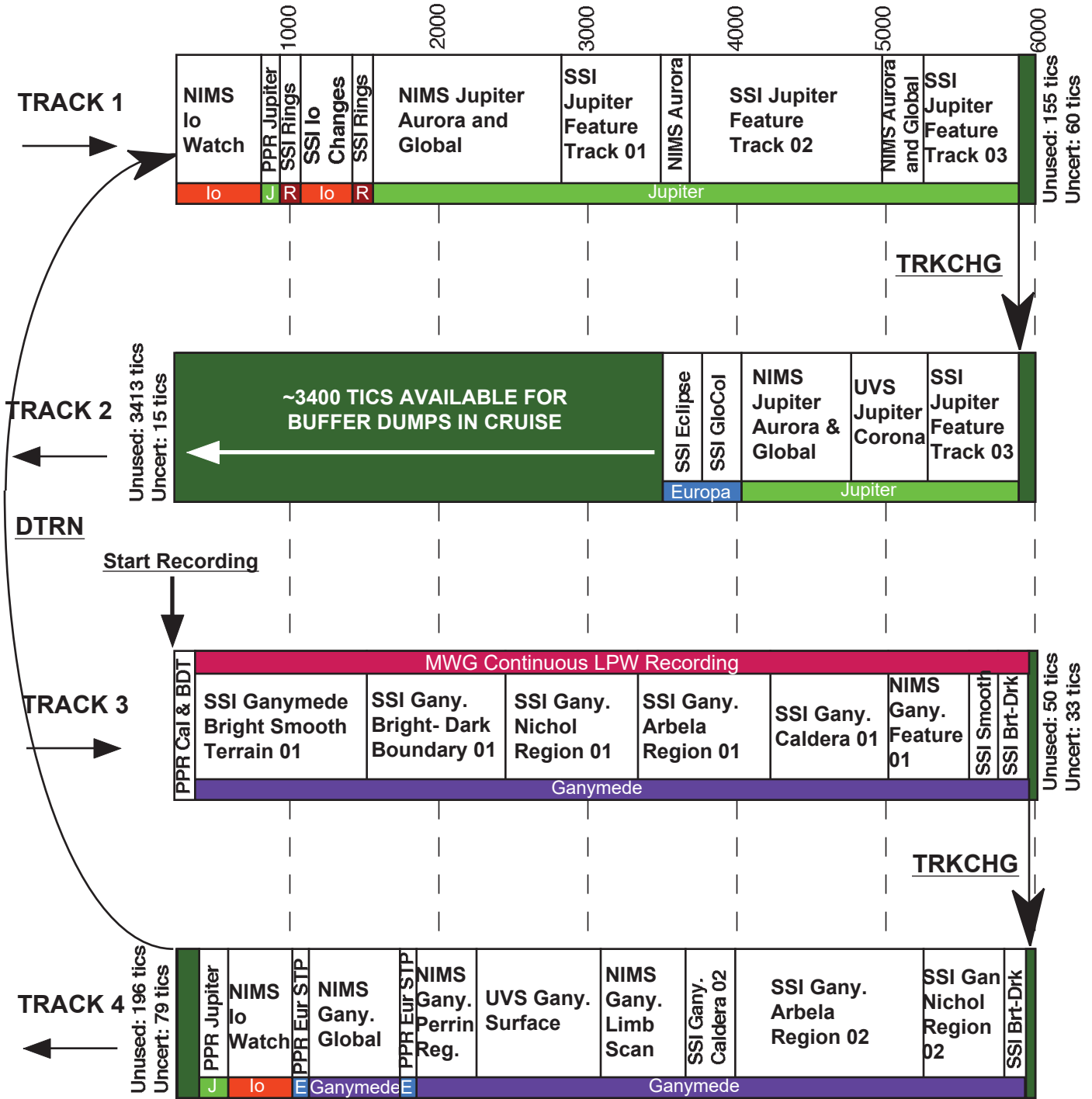


GEM: G28

G28 ENCOUNTER
Plot Time: 00-144/00:00:00.000 to 00-145/00:00:00.000
Date of Plot: 24-May-100 11:12:17



G28 ENCOUNTER HIGH-LEVEL TAPEMAP



J. Gross, 4/30/99

G28PAA

3275/3 4937/3

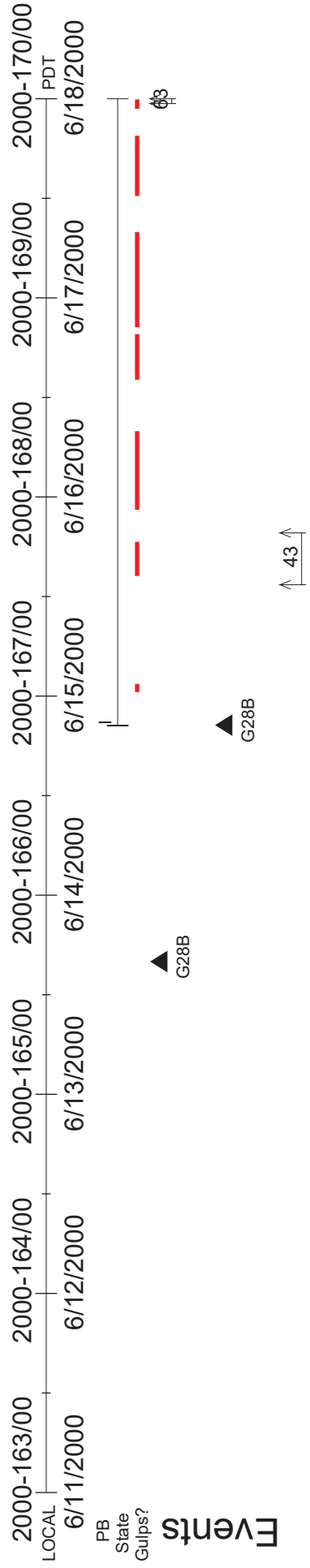
27ISPR0MTH01

5100/3

27INMOSAIC01-

Playback / Date Returned

2-21



G28PAA

5841/3

27INMOSAIC01-

5900/4

5396/4

27INPROMTH01-

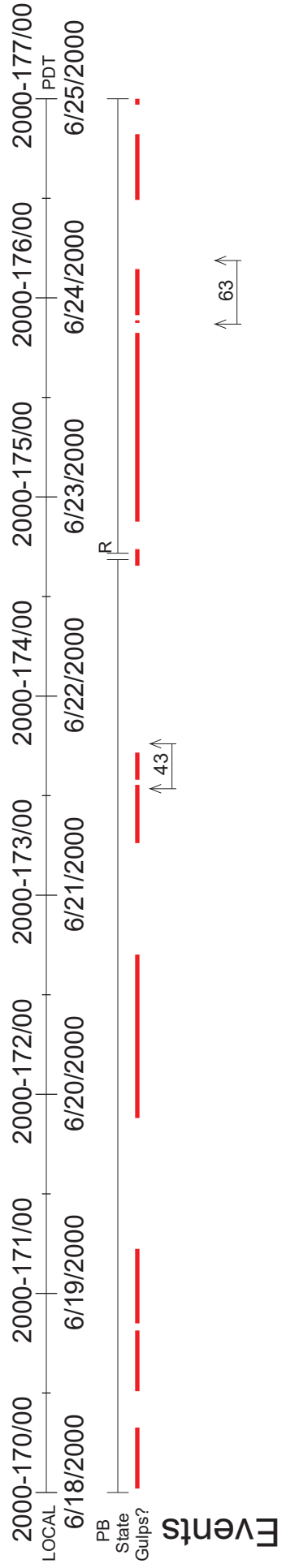
5331/4

4522/4

27ISTOHIL_01

Playback / Date Returned

2-22



G28PAA

4446/4 3211/4

27ISPR0MTH02

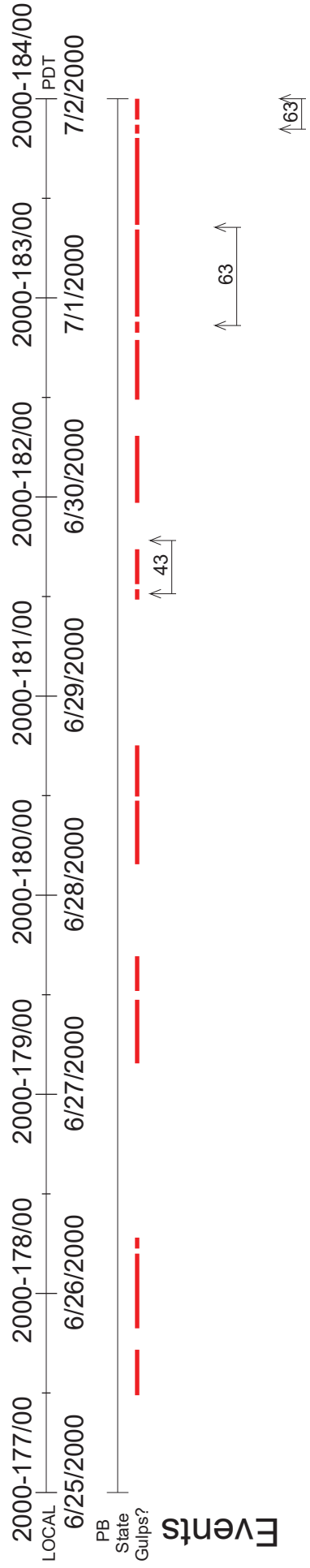
3178/4

27ISCAMAXT01

1919/4

1915/4
27INCAMAXT01-

Playback / Date Returned



G28PAA

1810/4
27INCAMAXT01-
1788/4

1276/4

27ISAMRANI01

1272/4 287/4

27INAMRANI01-

216/1 245/1

28MBBFRDMP01-

245/1

28MBBFRDMP02-

274/1 303/1

28MBBFRDMP03-

304/1 332/1

28MBBFRDMP04-

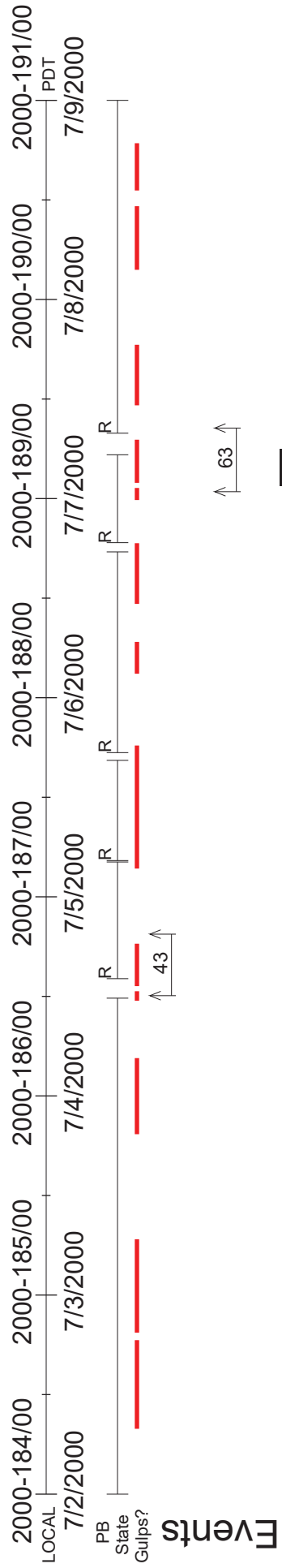
332/1 335/1

28NPRCTCAL01-

336/1

28MBBFRDMP05-

Playback / Date Returned



ATT MAINTENANCE

G28PAA

364/1
28MBBFRDMP05-
365/1

795/1

28GBSATCA_01-

802/1

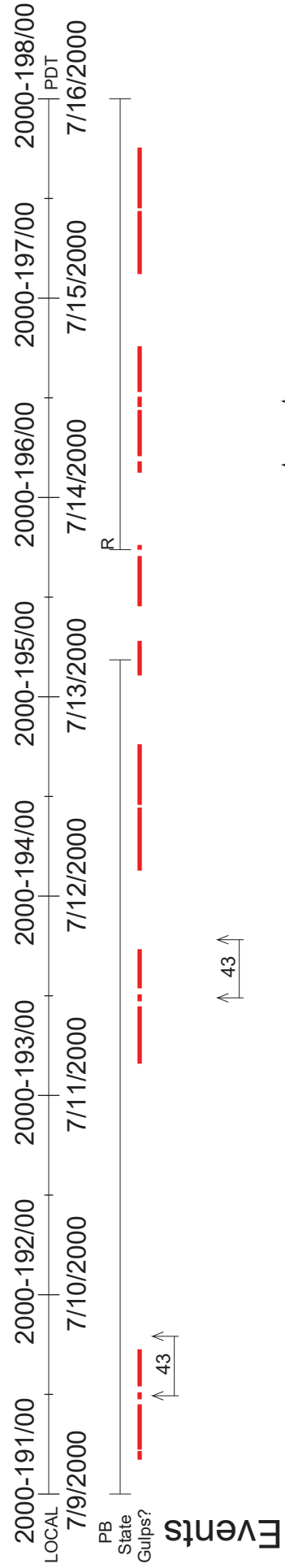
875/1

28MMWCHORUS01-

876/1

28GBSATCA_01-

Playback / Date Returned



G28PAA

908/1
28GBSATCA_01-
931/1

28GSSMOOTH01

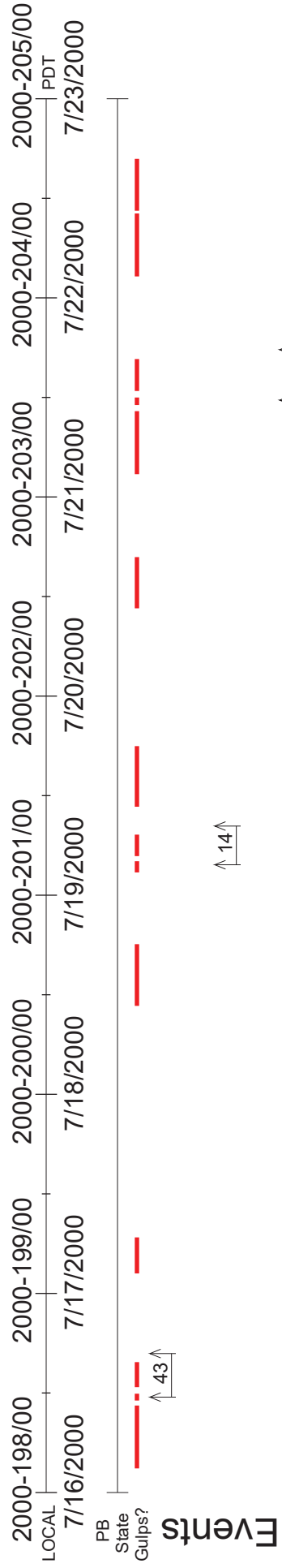
1336/1

1340/1
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1367/1
28GSBRTDRK01

Playback / Date Returned

2 - 26



G28PAA

1879/1

28GSBRTDRK01

1883/1 1886/1

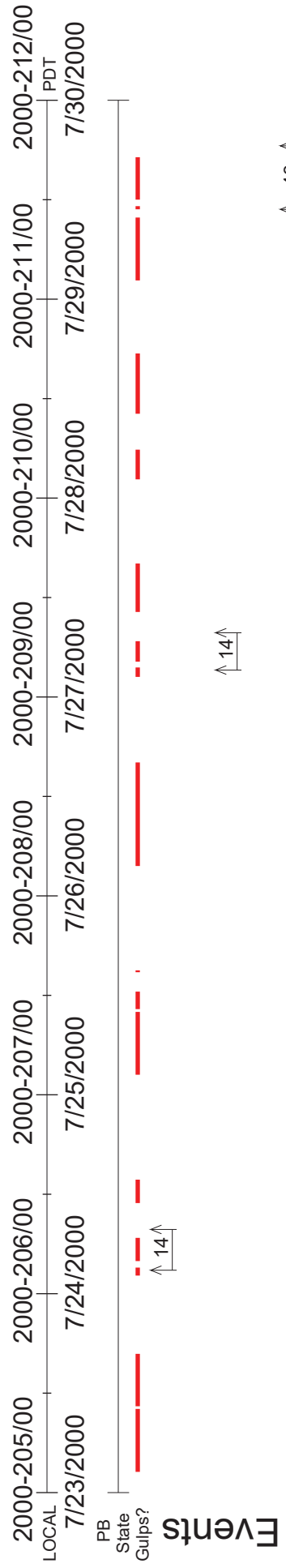
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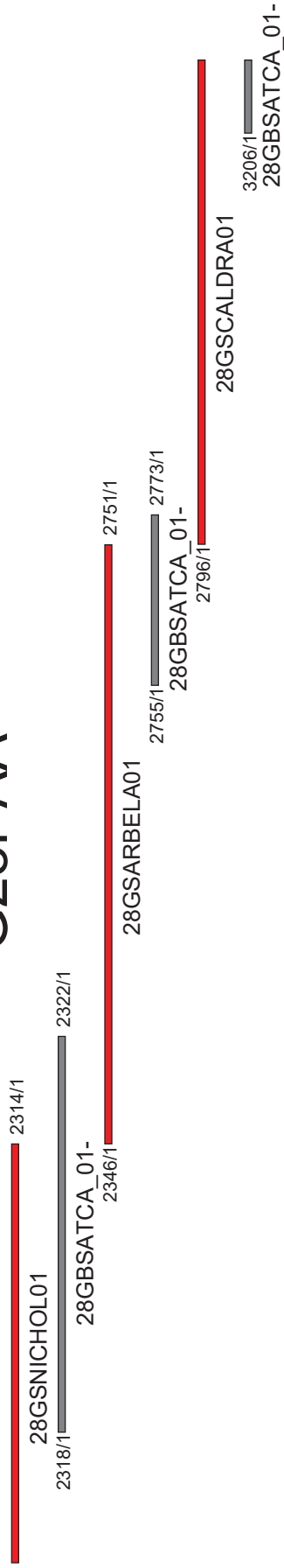
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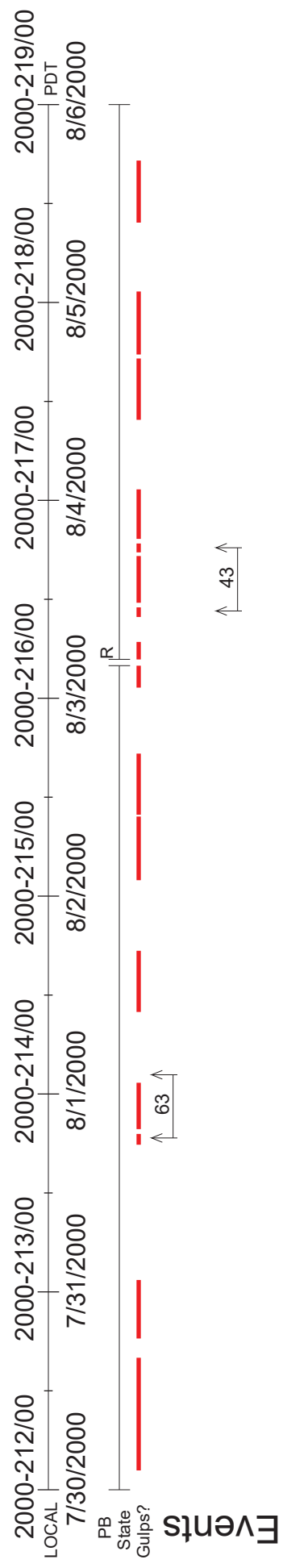
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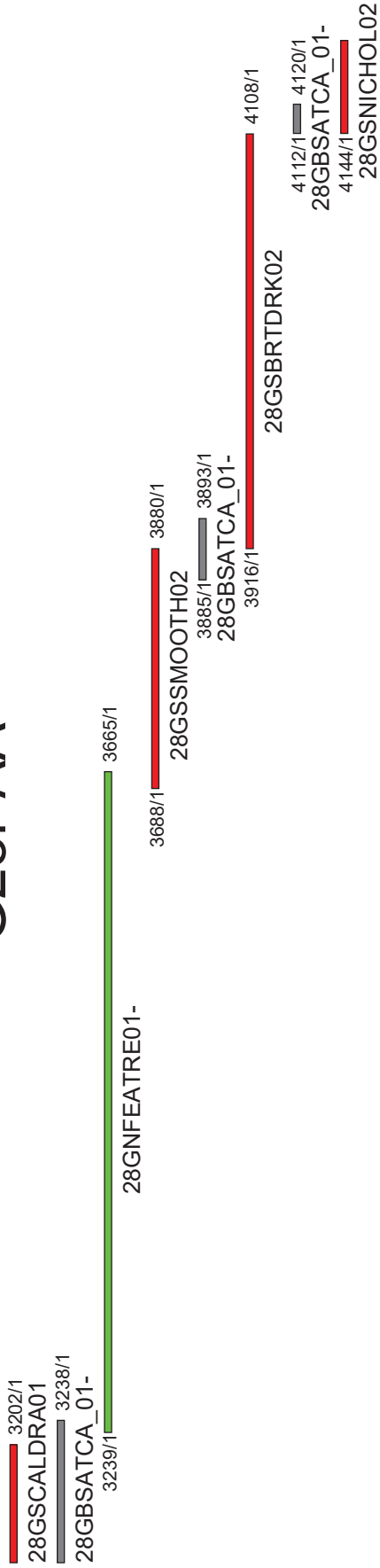
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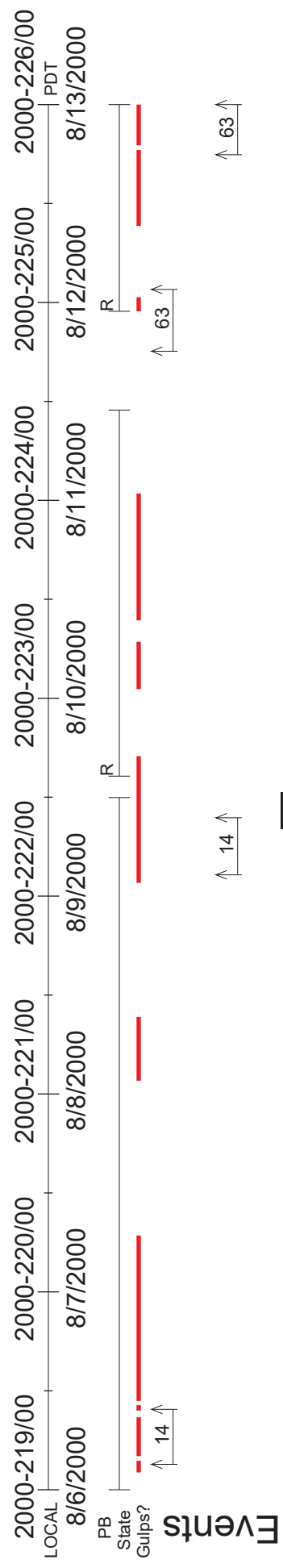
Playback / Date Returned



G28PAA



Playback / Date Returned



G28PAA

4335/1
 28GSNICHOL02
 4340/1
 28GBSATCA_01-
 4371/1

28GSARBELA02

4990/1

4994/1
 28GBSATCA_01-
 5031/1

28GSCALDRA02

5223/1

5227/1
 28GBSATCA_01-

5265/1

28GNLMSCAN01-

5898/1

5927/1
 28MBBFRDMP48-

5933/1

28GSSMTHDK01

5962/2

28GNPERRIN01-

5502/2

28GPGLOBAL01-

5502/2

28EPSTP11401-

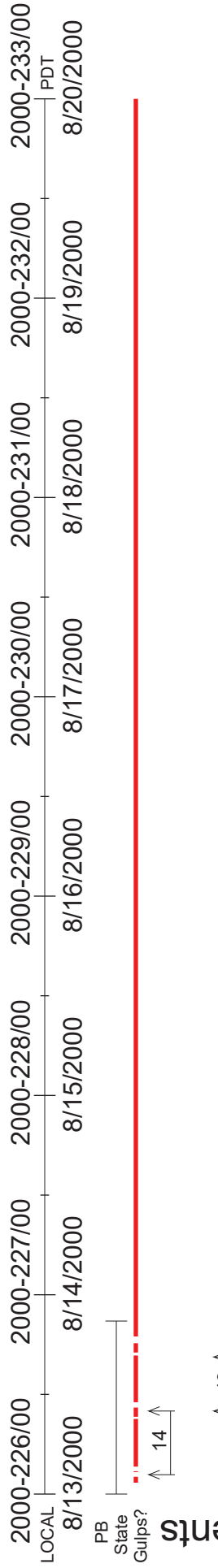
5500/2

28EPSTP10302-

5499/2

28GNGLOBAL01-

Playback / Date Returned



Events

14 ↑

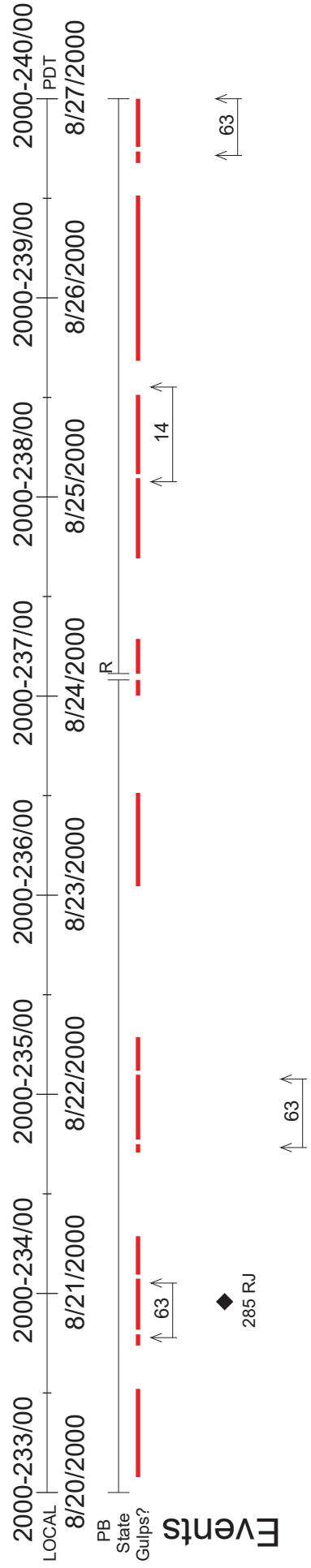
43 ↑

63 ↑

G28PCF

Playback / Date Returned

2-31



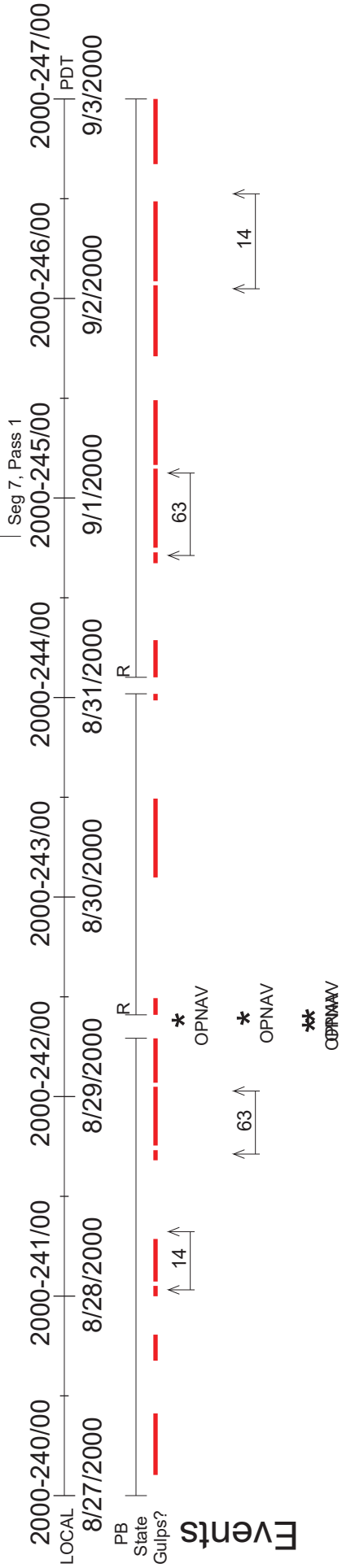
G28PCF

4327/2 4213/2
 28RSRINGS_02
 4140/2 4112/2
 28MBBFRDMP10-
 4110/2 4082/2
 28MBBFRDMP49-
 4081/2 4052/2
 28MBBFRDMP11-
 4051/2 4022/2
 28MBBFRDMP12-
 3884/2 3855/2
 28MBBFRDMP13-
 3853/2 3710/2

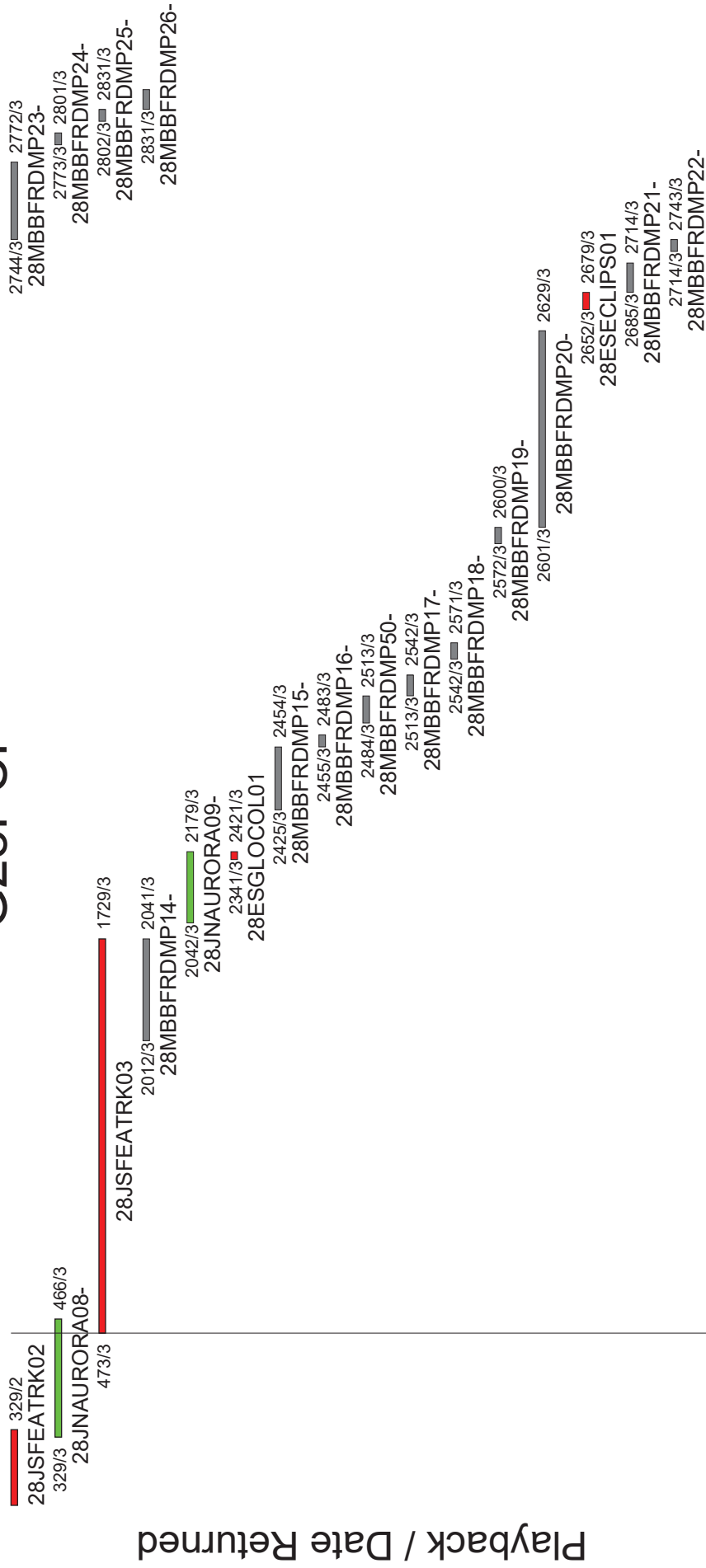
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 3566/2 3423/2
 28JNAURORA04-
 3156/2 3013/2
 28JNAURORA05-
 2866/2 2034/2

28JSFEATR01
 2033/2 1732/2
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 1585/2
 28JSFEATR02

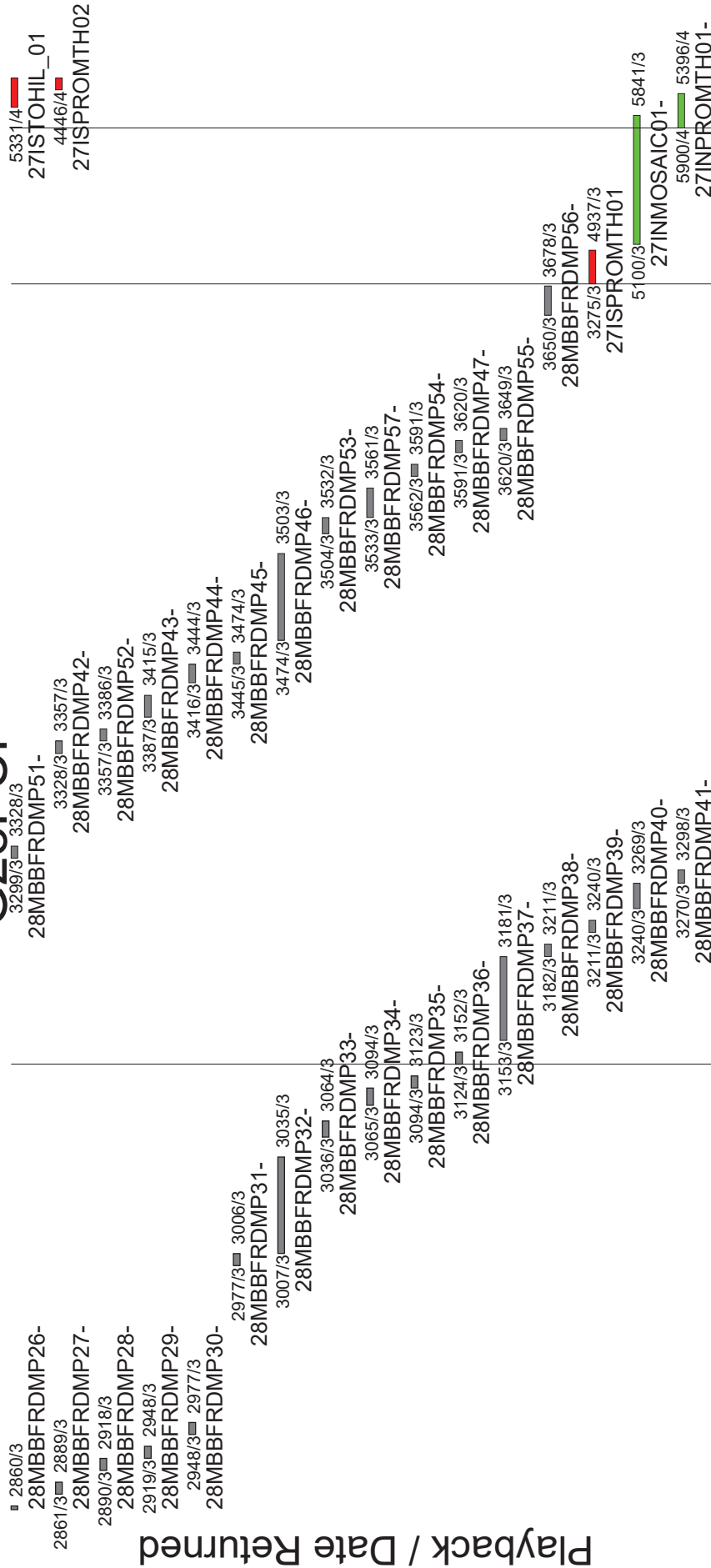
Playback / Date Returned



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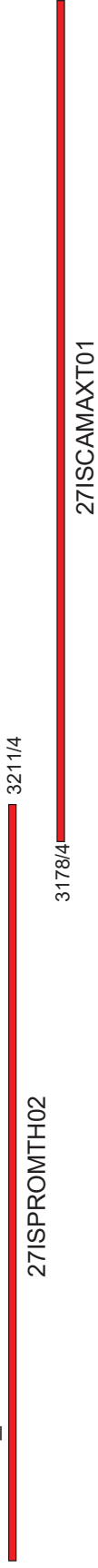


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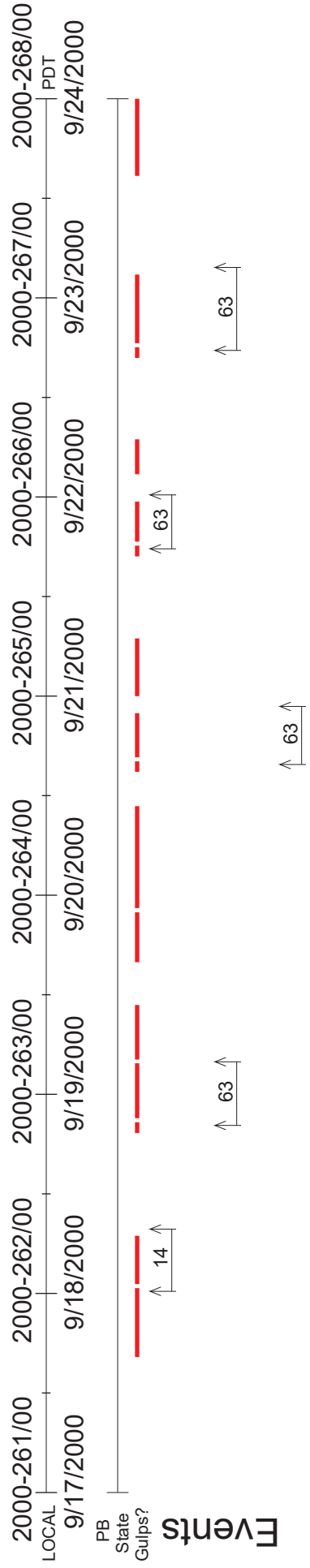


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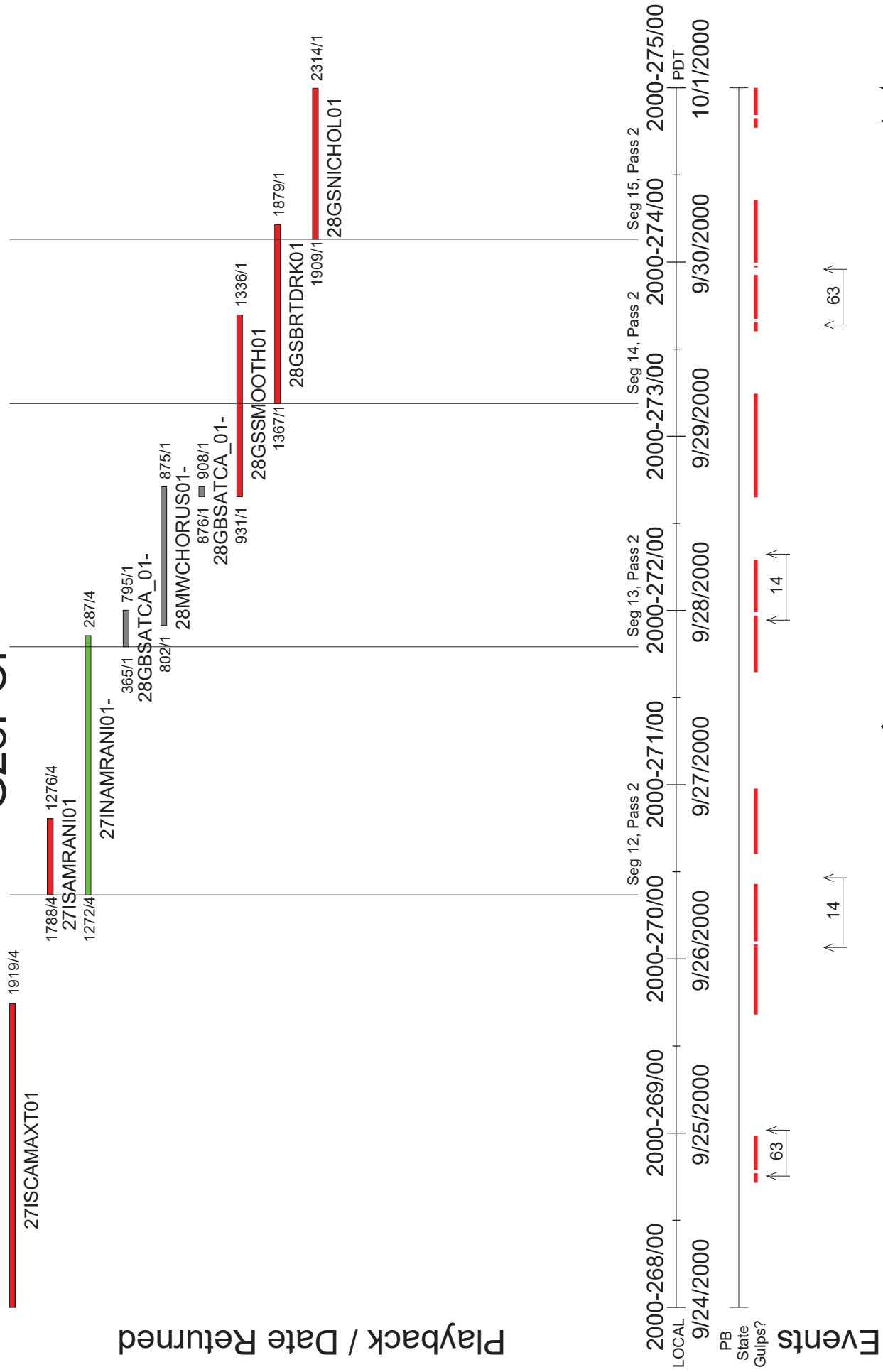
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27ISTOHIL_01



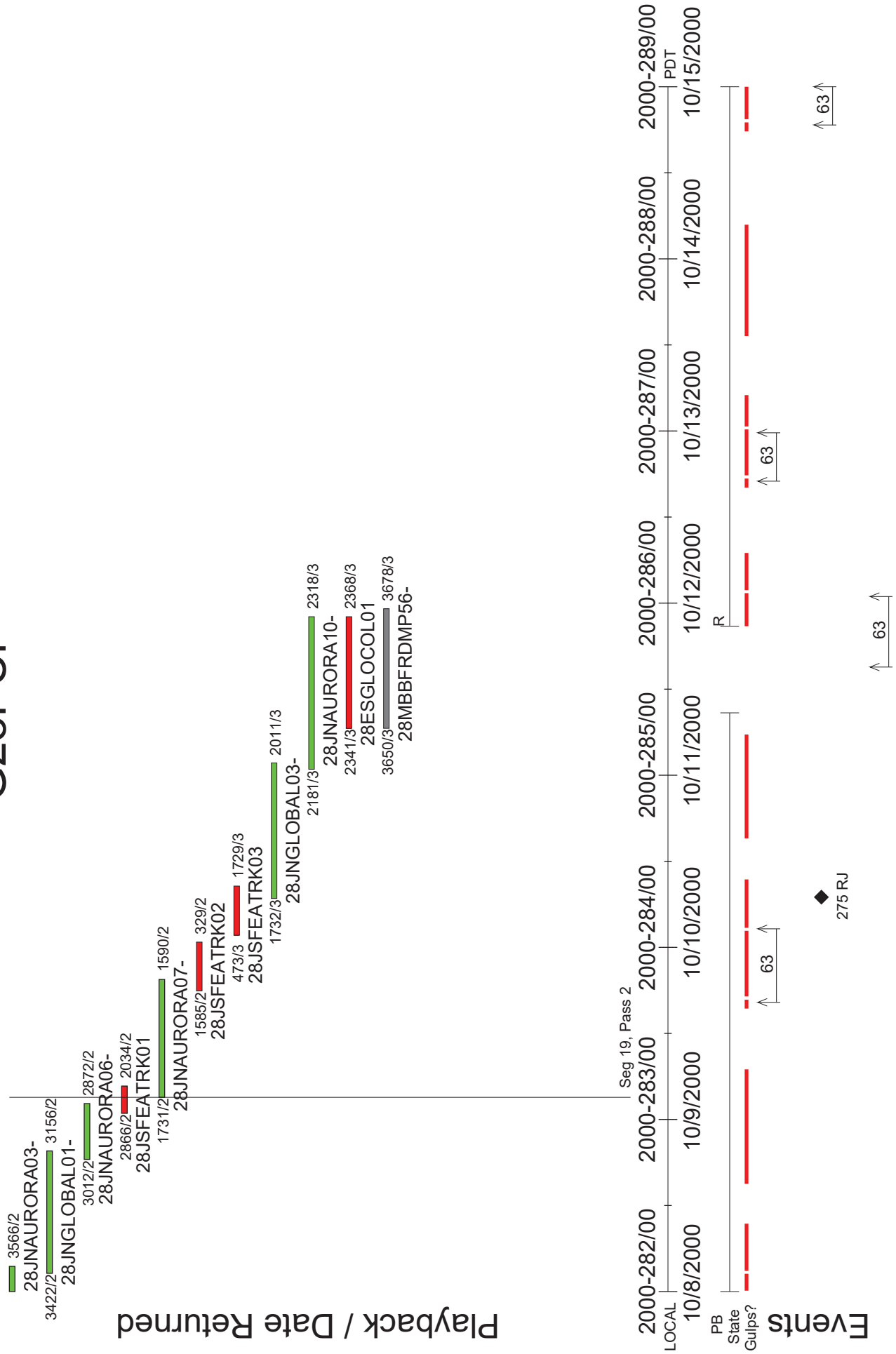
Playback / Date Returned



G28PCF



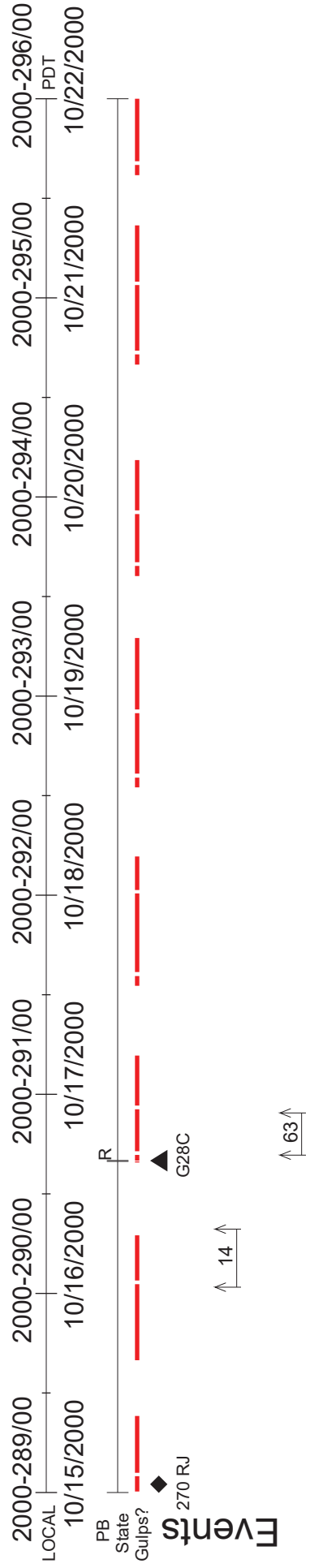
G28PCF



G28PCF

Playback / Date Returned

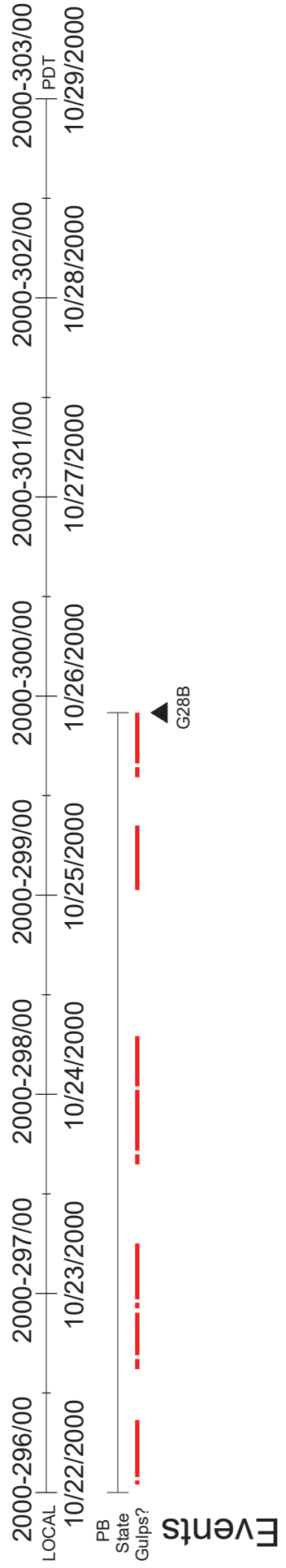
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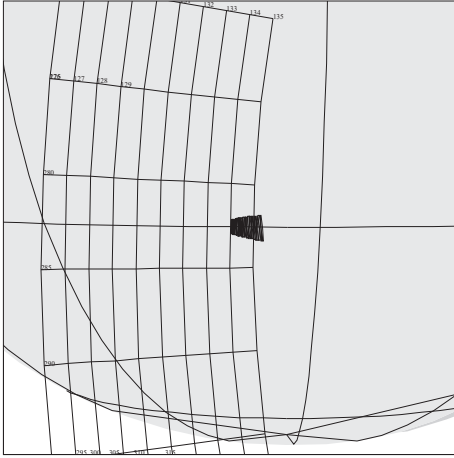
G28PCF

Playback / Date Returned

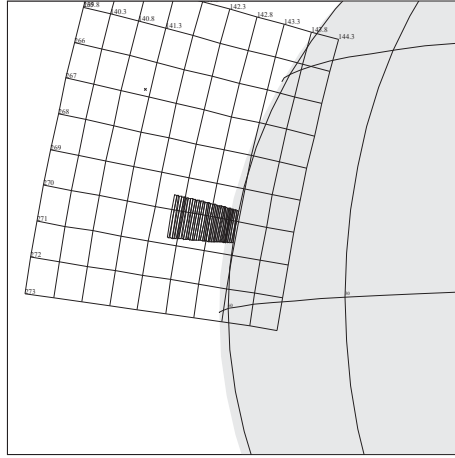
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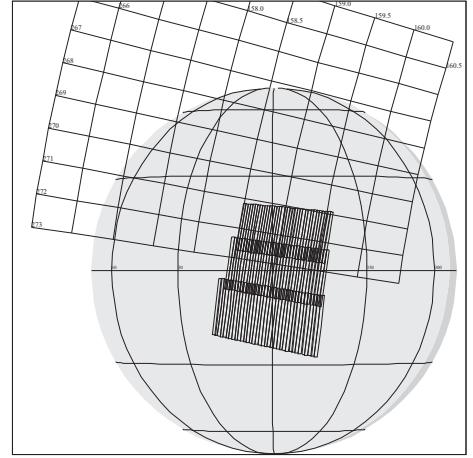
G28 NIMS A



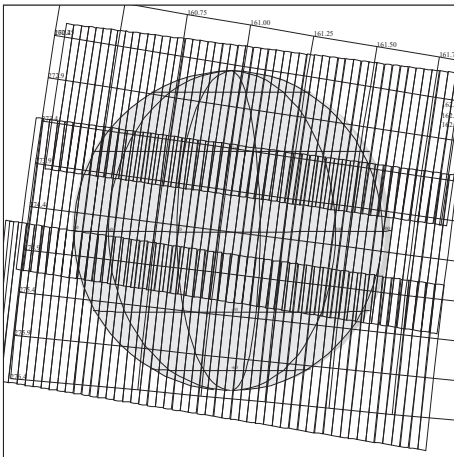
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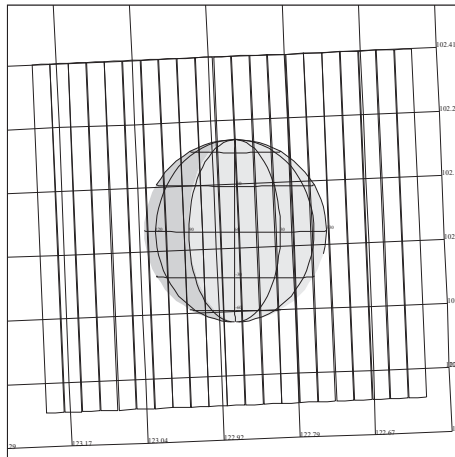
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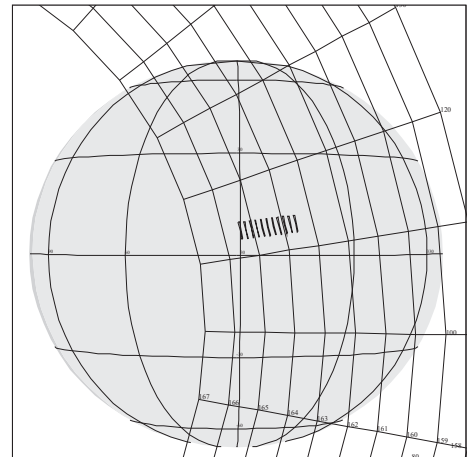
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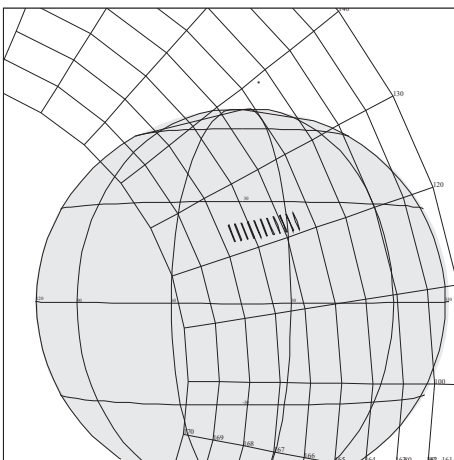
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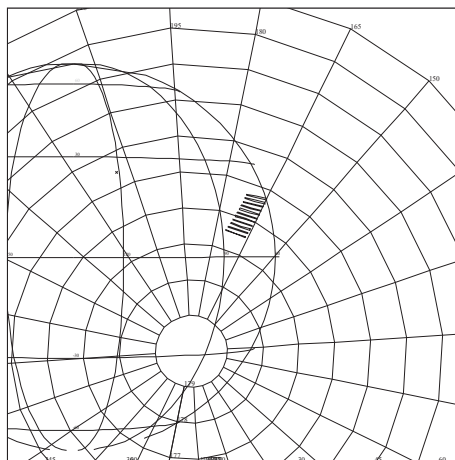
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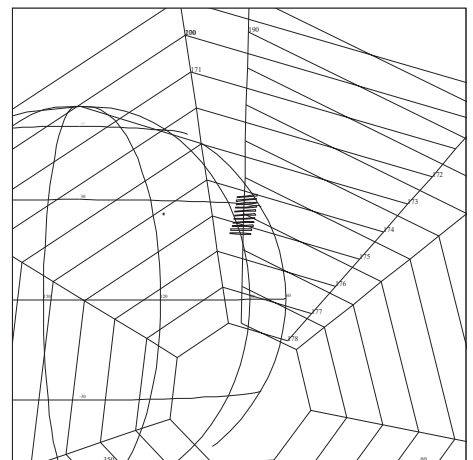
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28JNNTZRLT01
00-142/11:31:10

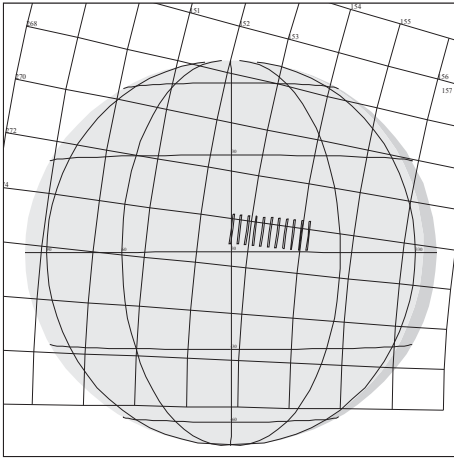


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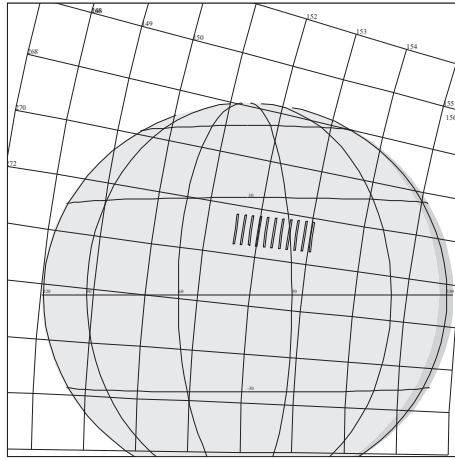


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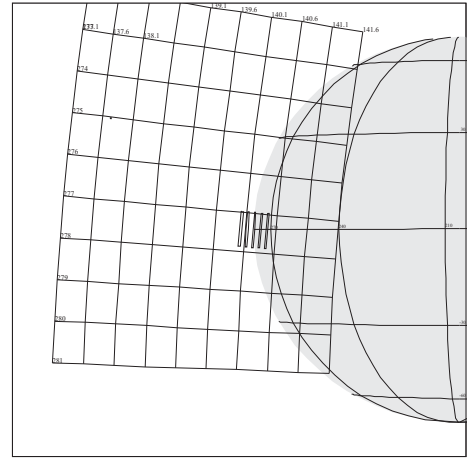
G28 NIMS B



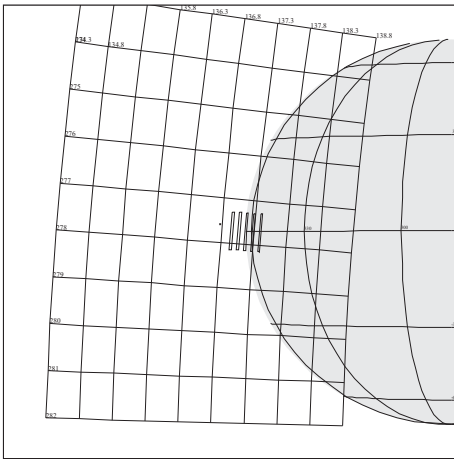
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00-142/22:12:12



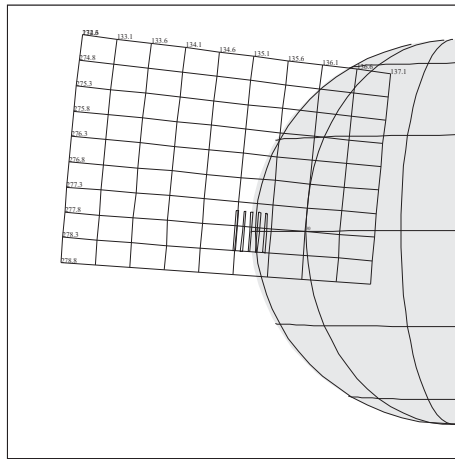
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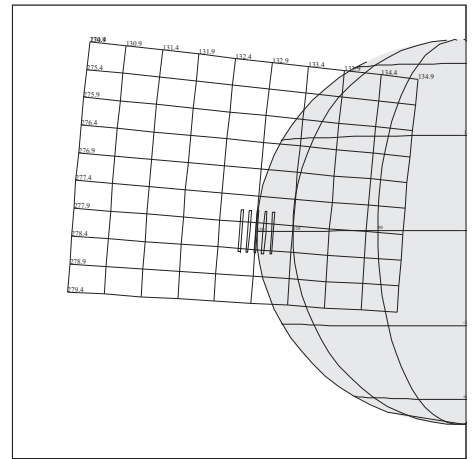
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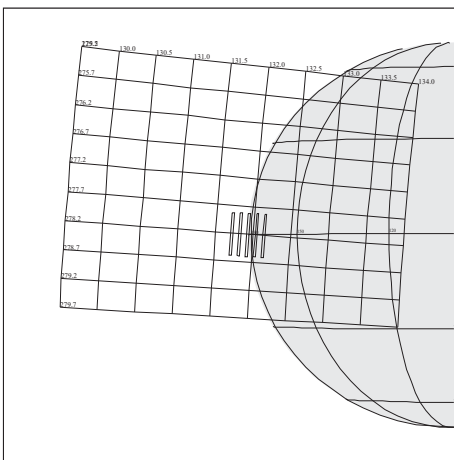
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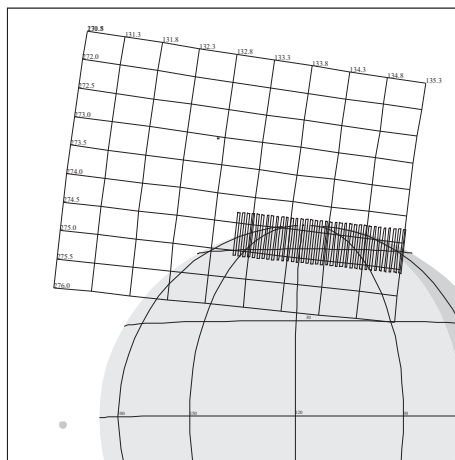
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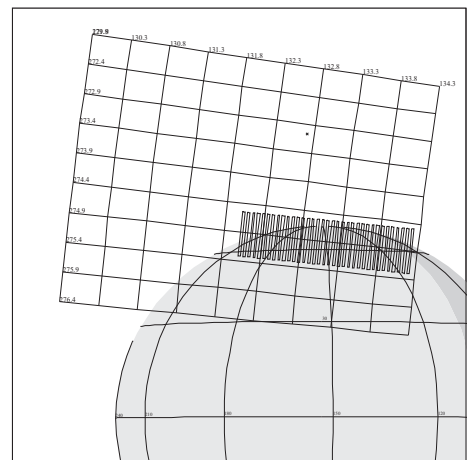
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28JNEQBLGE05
00-143/10:39:25

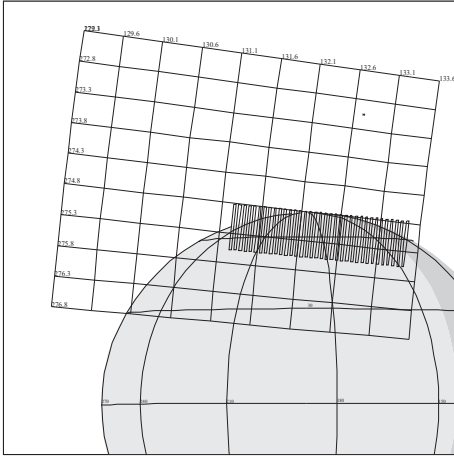


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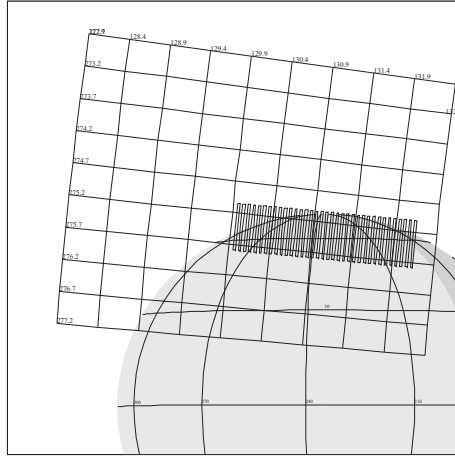


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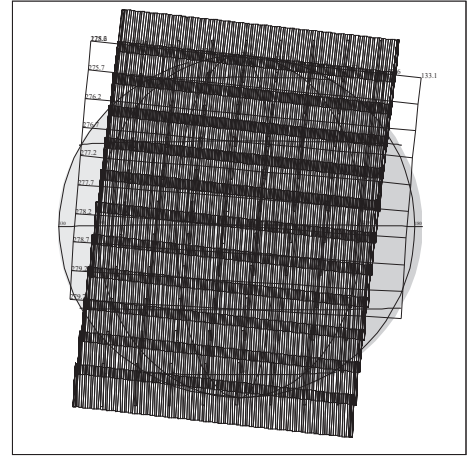
G28 NIMS C



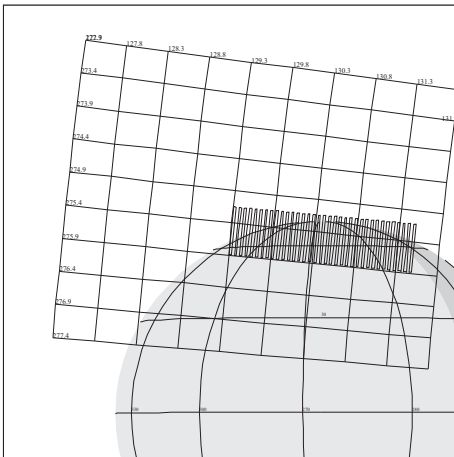
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00-143/13:05:01



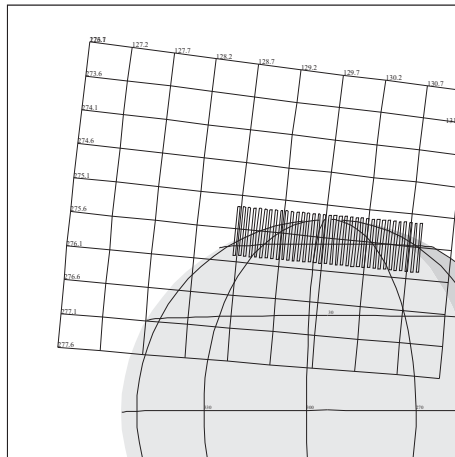
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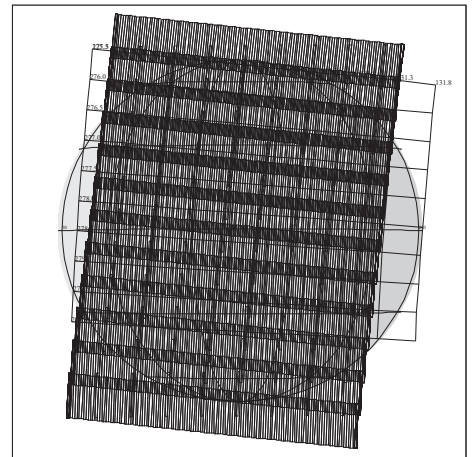
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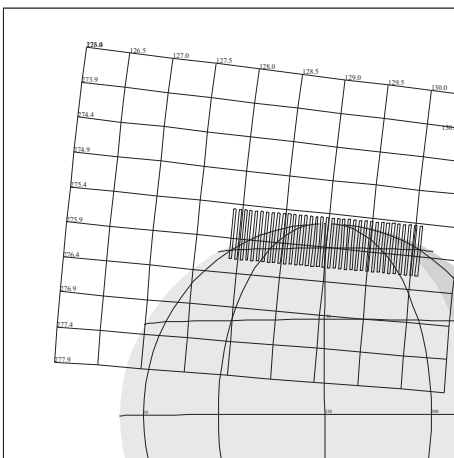
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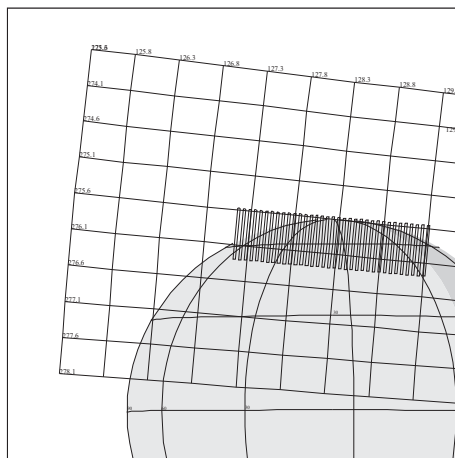
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00-143/16:07:01



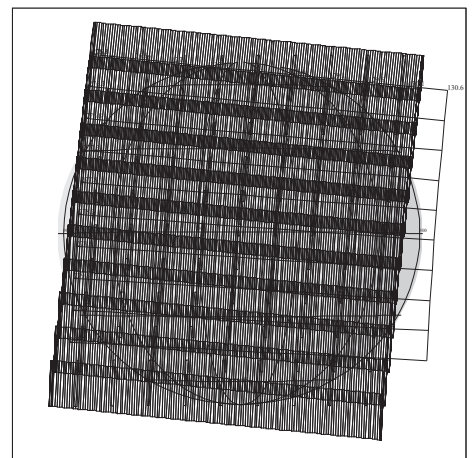
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00-143/16:41:24



28JNAURORA07
00-143/17:05:40

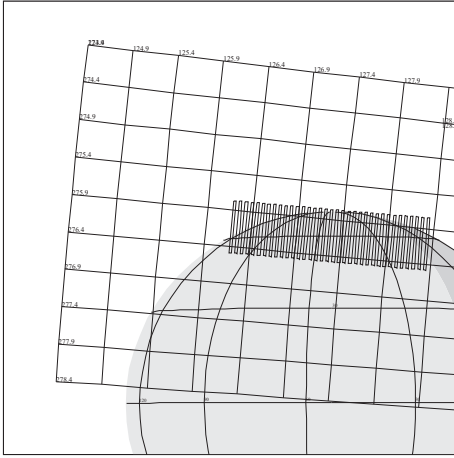


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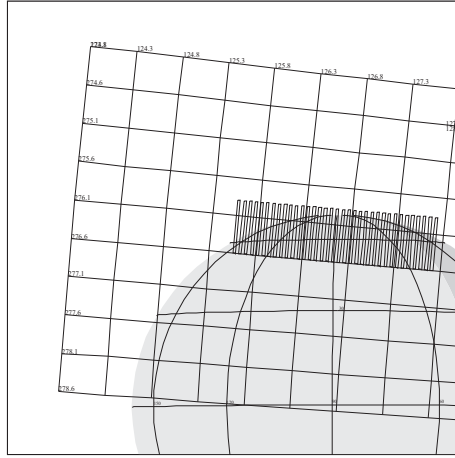


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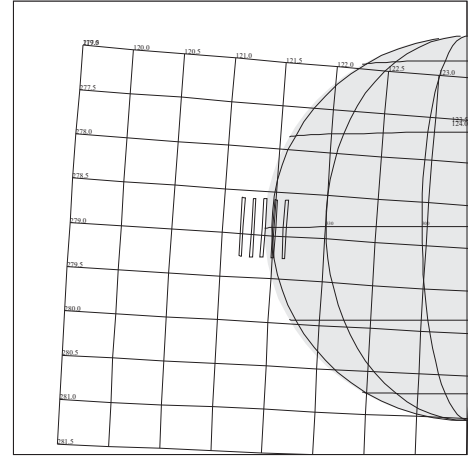
G28 NIMS D



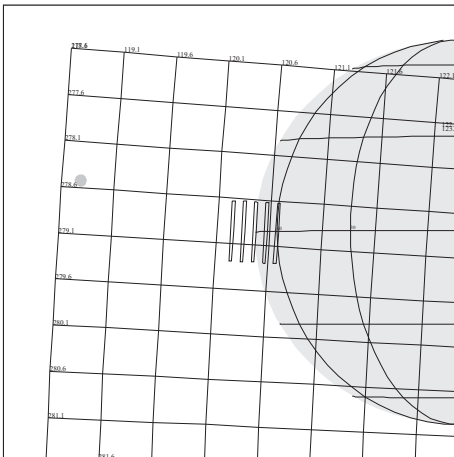
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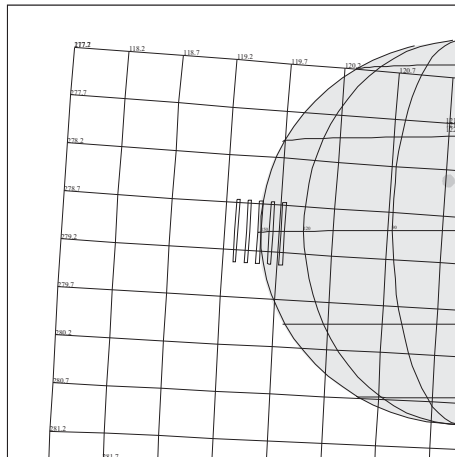
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00-143/20:26:52



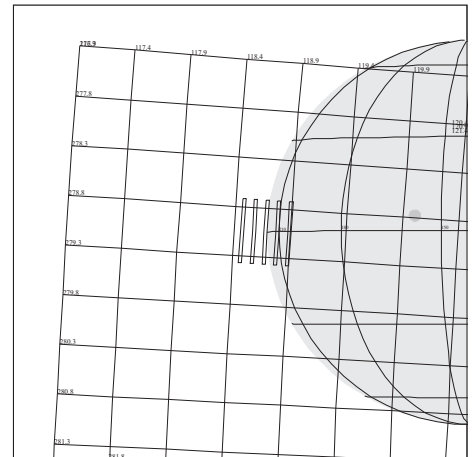
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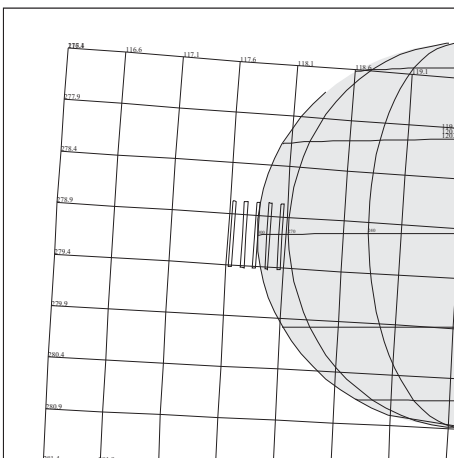
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28JNEQBLGE08
00-144/06:00:10



28JNEQBLGE09
00-144/07:59:29



28JNEQBLGE10
00-144/09:59:48

Chapter 3 - Orbit Geometries

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3.4	G28 North Trajectory Pole View (+/- 2 days) ..	5
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Introduction to Chapter 3

This chapter contains diagrams of various aspects of geometry for the G28 Orbit.

The figure on page 3 is a North Trajectory Pole View of the G28 Orbit from apoapsis to apoapsis.

The figure on page 4 is a North Trajectory Pole View of the G28 Orbit from +/- 5 days of Ganymede closest approach.

The figure on page 5 is a North Trajectory Pole View of the G28 Orbit from +/- 2 days of Ganymede closest approach.

The figure on page 6 is a North Trajectory Pole View of the G28 Orbit from +/- 1 day of Ganymede closest approach.

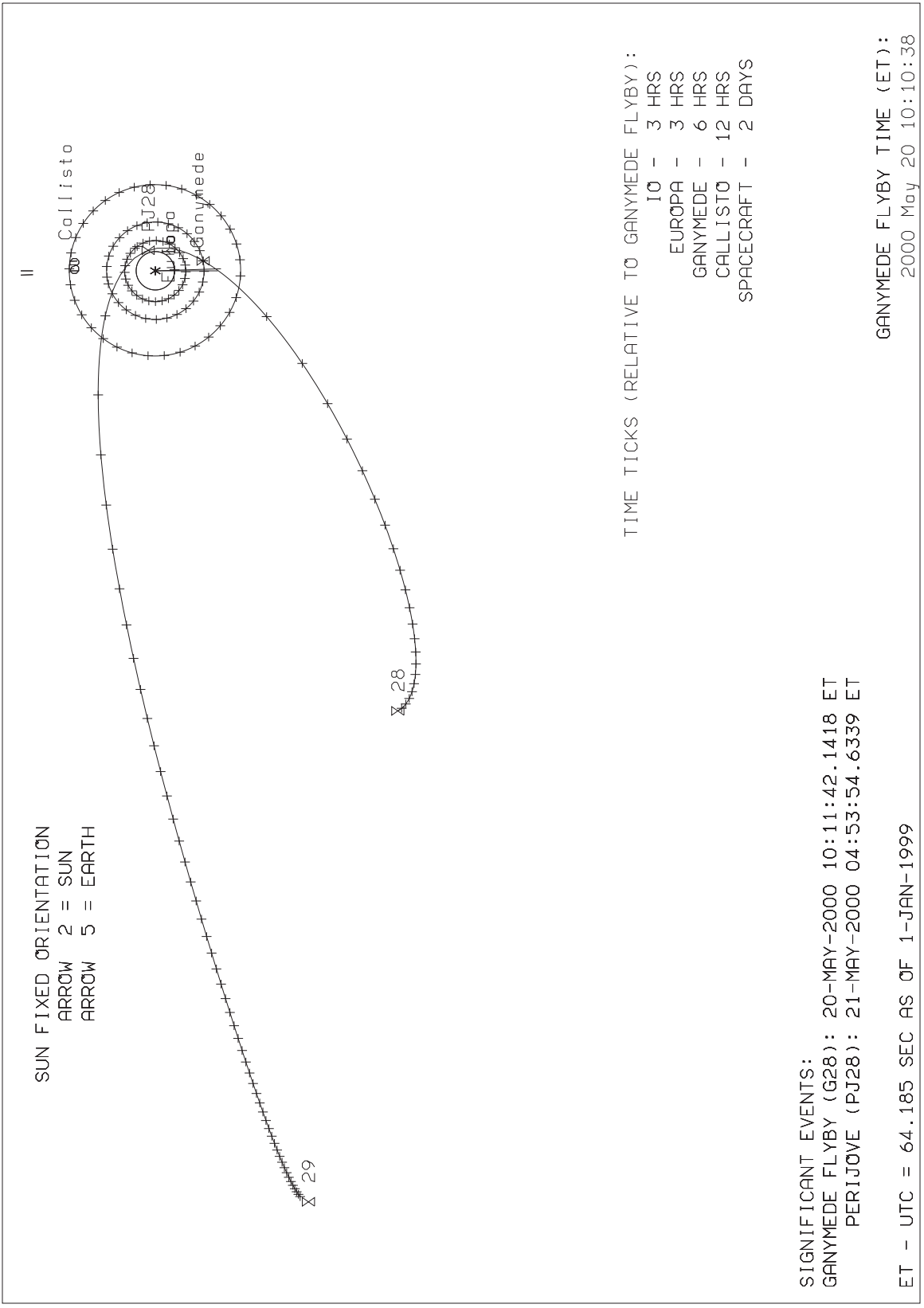
The figure on page 7 is a North Trajectory Pole View of the G28 Orbit from +/- 6 hours of Ganymede closest approach.

The figure on page 8 is a North Trajectory Pole View of the G28 Orbit from +/- 1 hour of Ganymede closest approach.

The figure on page 9 shows the spacecraft's groundtrack on Ganymede at Ganymede closest approach.

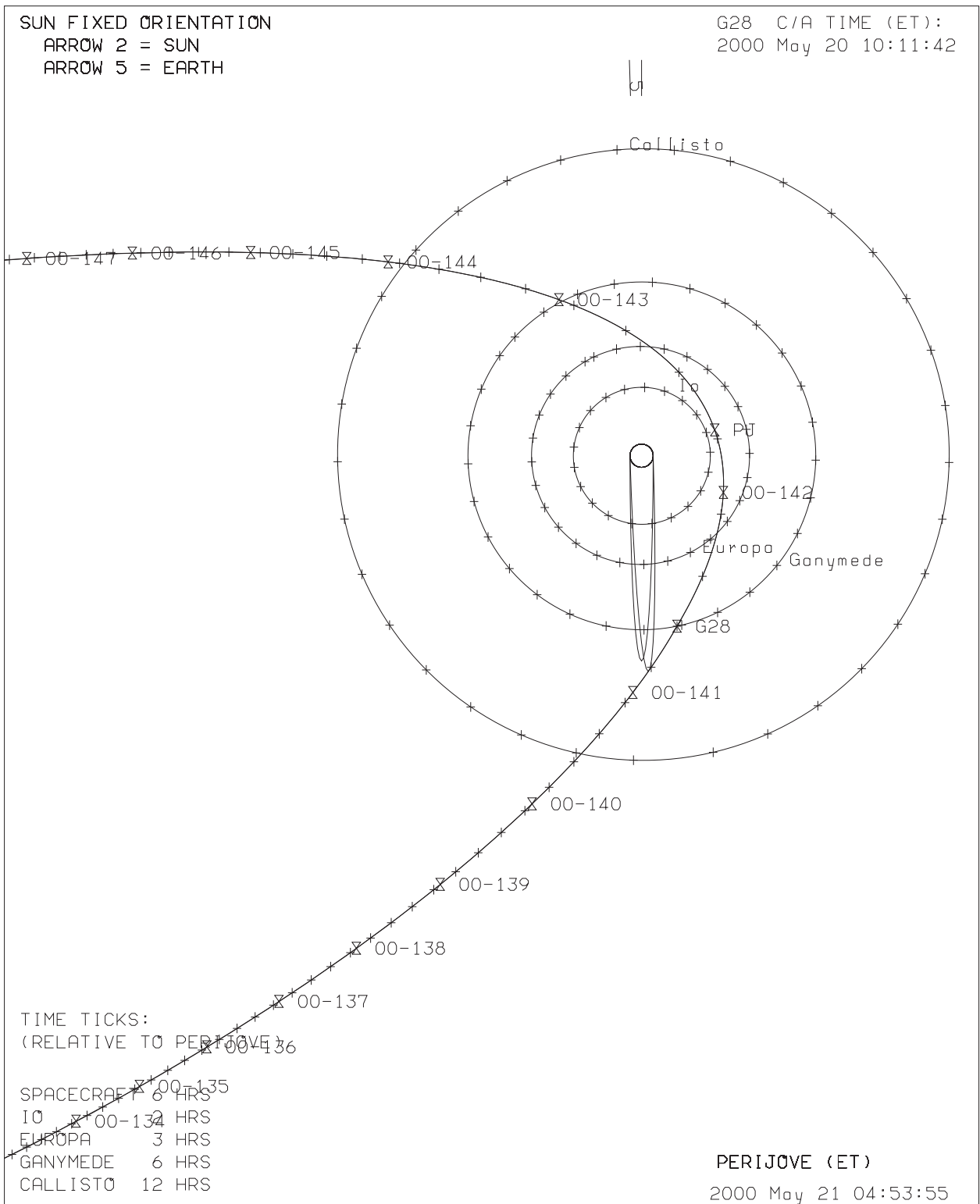
The figure on page 10 shows the spacecraft's groundtrack on Jupiter at Jupiter closest approach.

Jupiter 28: North Traj Pole View (Ganymede28 Apo to Apo)



NAV Feb 4, 1999

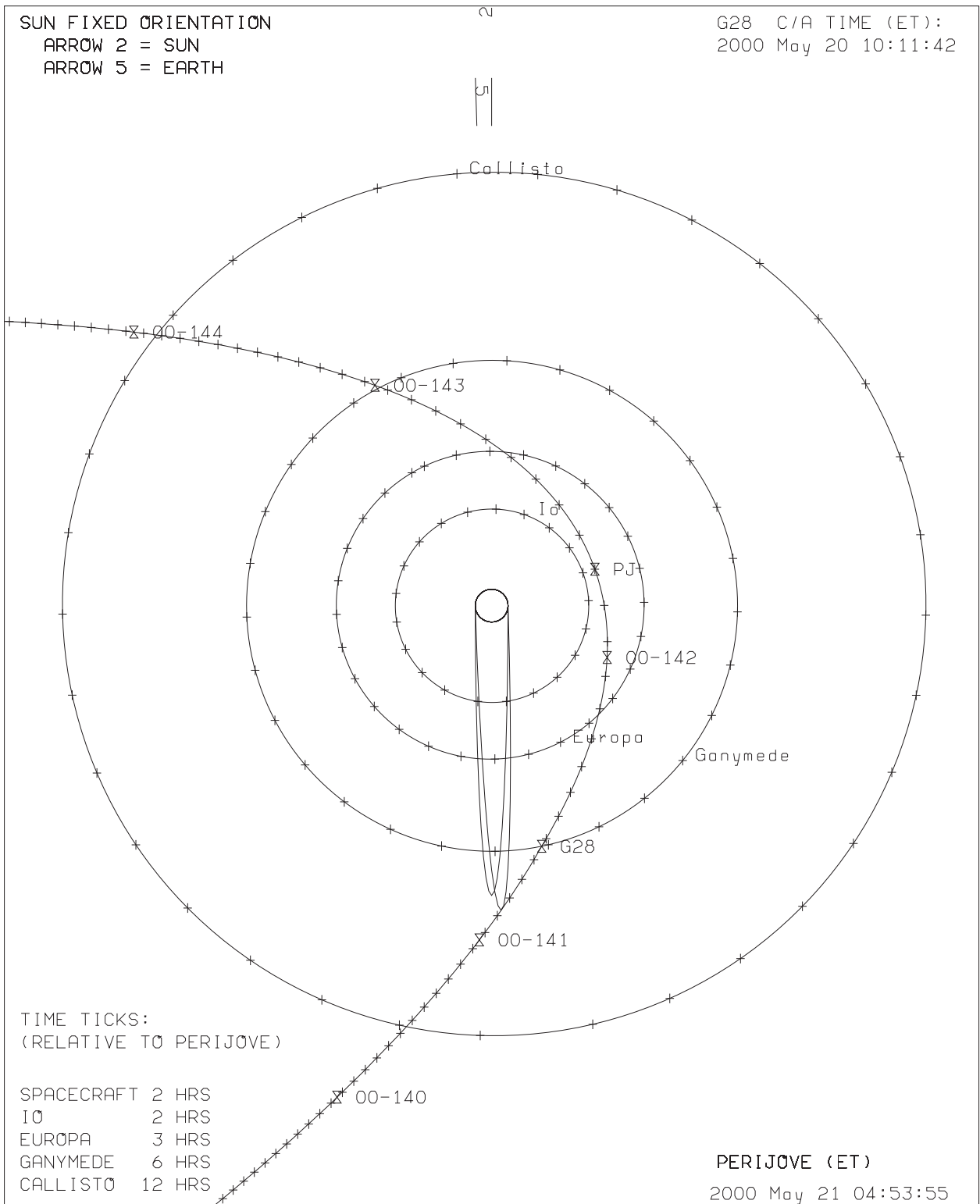
JUPITER 28: N. TRAJ. POLE VIEW (+/- 5 DAYS)



GEM-990114

NAV Feb 4, 1999

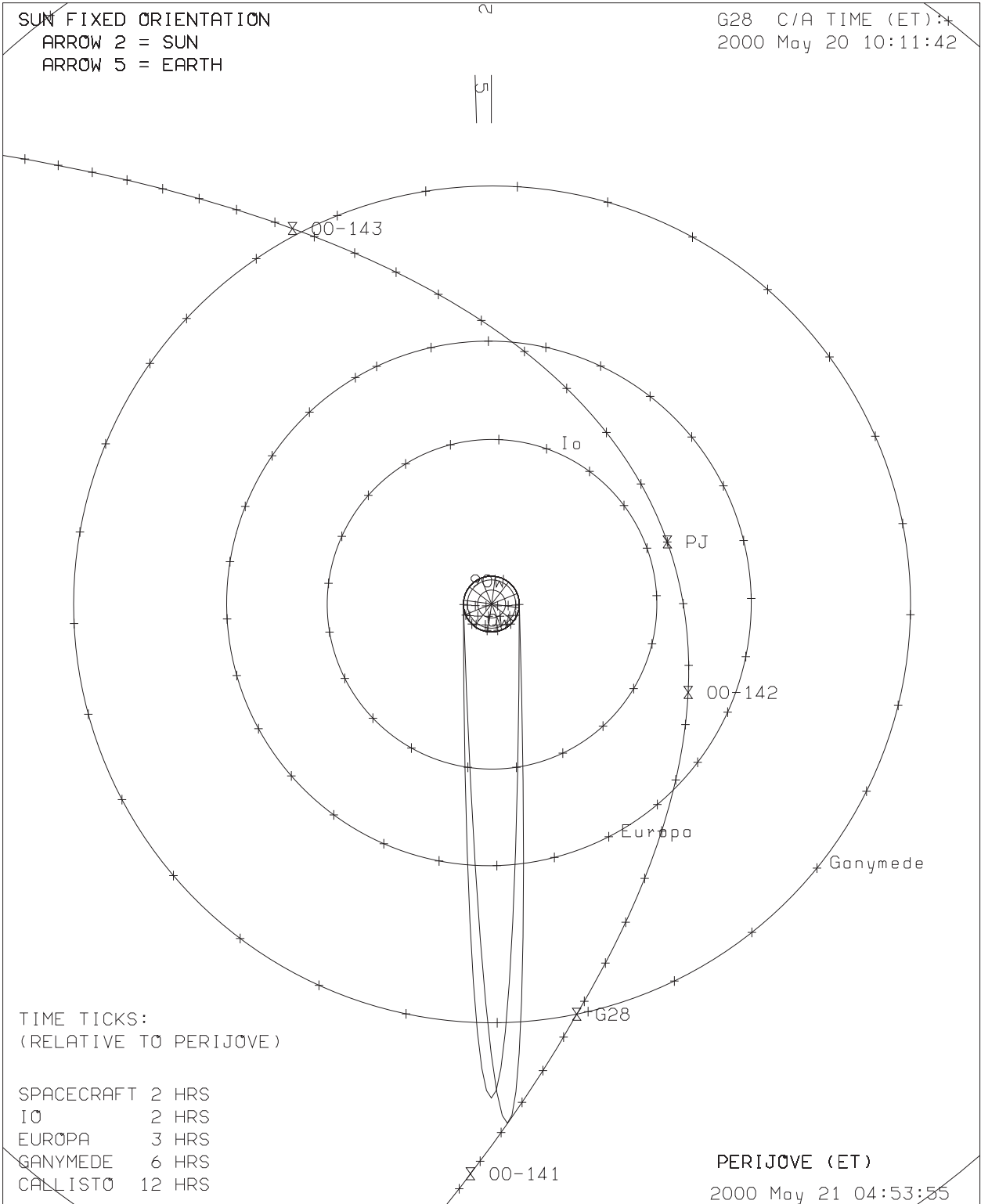
JUPITER 28: N. TRAJ. POLE VIEW (+/- 2 DAYS)



GEM-990114

NAV Feb 4, 1999

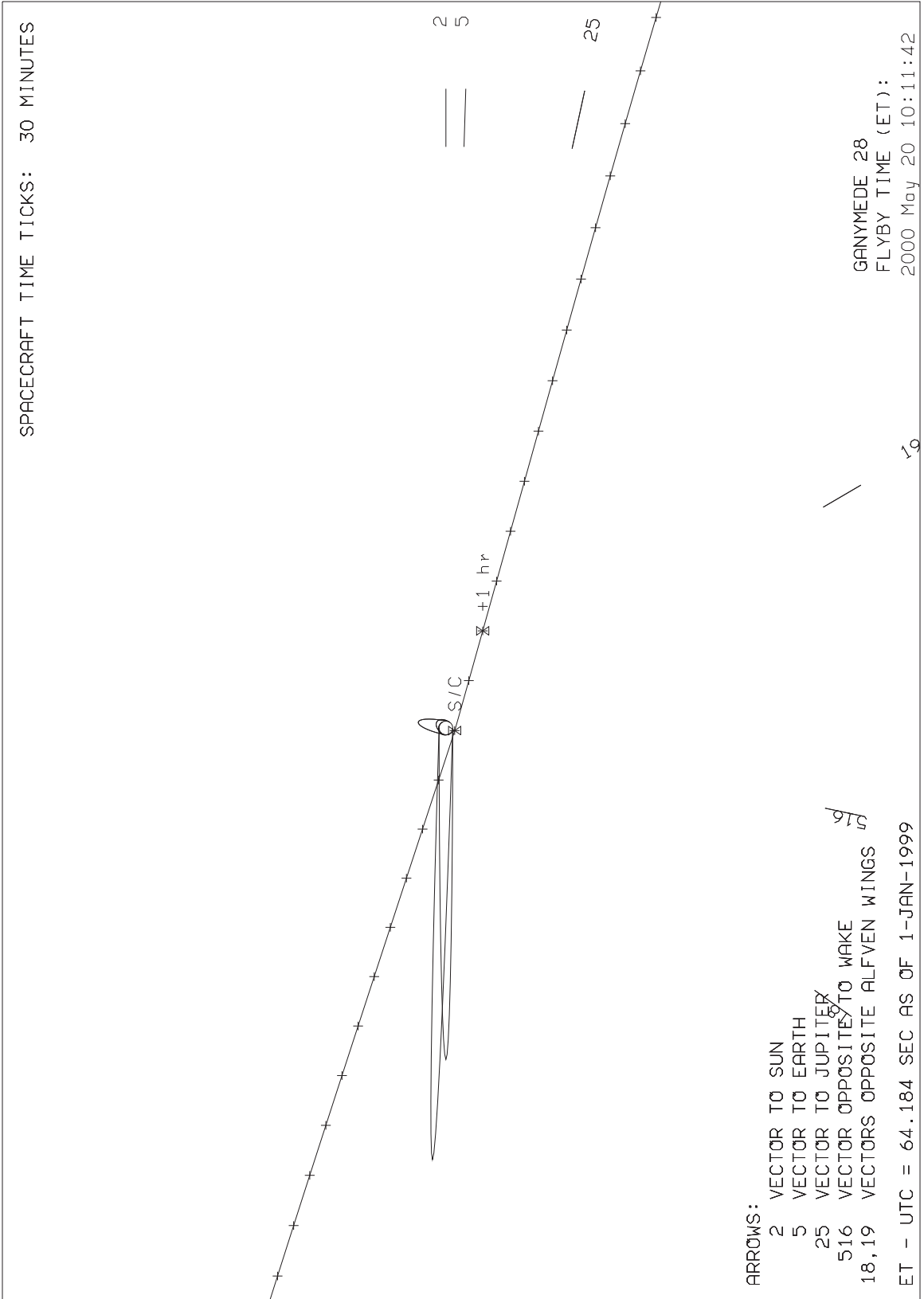
JUPITER 28: N. TRAJ. POLE VIEW (+/- 1 DAY)



GEM-990114

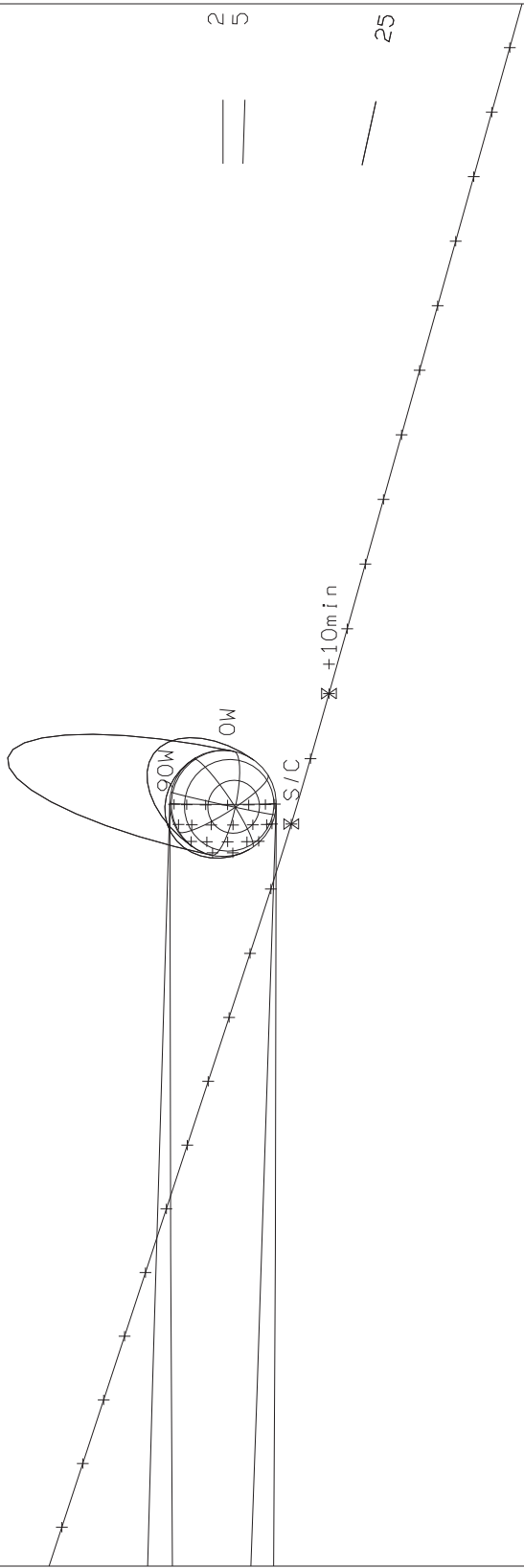
NAV Feb 4, 1999

GANYMEDE 28: N. TRAJ POLE VIEW (+/- 6 HRS)



GANYMEDE 28: N. TRAJ POLE VIEW (+/- 1 HR)

SPACECRAFT TIME TICKS: 5 MINUTES



ARROWS:

- 2 VECTOR TO SUN
- 5 VECTOR TO EARTH
- 25 VECTOR TO JUPITER
- 516 VECTOR OPPOSITE TO ~~WAKE~~ ^{WAKE}
- 18,19 VECTORS OPPOSITE ALFVEN WINGS

GANYMEDE 28
FLYBY TIME (ET):
2000 May 20 10:11:42

NAV 2/9/99

GANYMEDE 28: GROUNDTRACK AT CLOSEST APPROACH

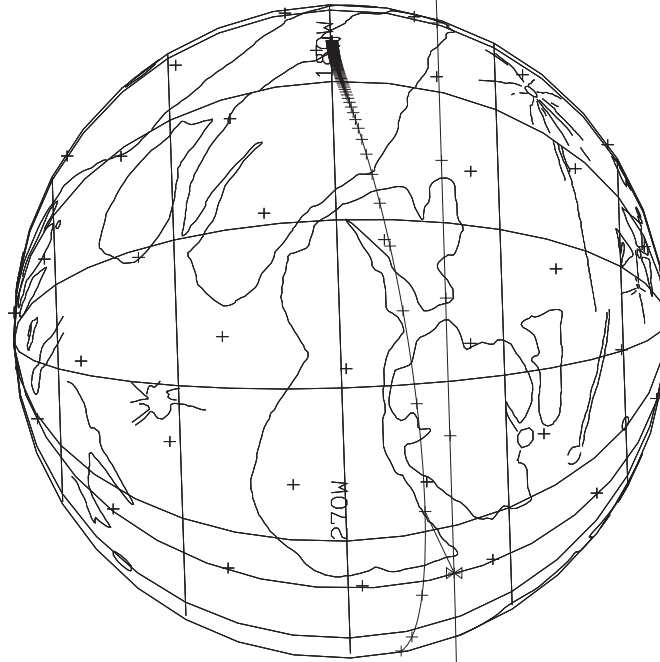
SPACECRAFT TIME TICKS EVERY 2 MINUTES

ARROW 2 = SUN

ARROW 5 = EARTH

ARROW 13 = ECLIPTIC NORTH POLE

ARROW 16 = GANYMEDE NORTH POLE



8

SIGNIFICANT EVENTS:
 GANYMEDE FLYBY (G28): 20-MAY-2000 10:11:42.1418 ET
 PERIJOVE (PJ28): 21-MAY-2000 04:53:54.6339 ET

GANYMEDE FLYBY TIME (ET):
 2000 May 20 10:11:42

ET - UTC = 64.185 SEC AS OF 1-JAN-1999

NAV Feb 4, 1999

Chapter 4 - NIMS Observation Summaries

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4.3	NIMS Individual Obstab Summaries	150-194
4.4	NIMS OBSTAB (Returned)	195-202

Introduction to Chapter 4

This chapter summarizes the NIMS G28 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 G28 Sequence. The information in this summary is derived from the G28 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 (Opel) 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 G28 data. It is also derived from the G28 SEFs and PBTs. Each Obstab entry is 512 bytes long but is presented here as 4 lines of 128 characters per entry.

Sequence:		G28A-AR		Created: 3/16/01		Begin: 00-138/10:00:00		Finish: 00-165/23:00:00				
Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	RFI
1	0	138	09:59:59.733		DMS:	: READY	RDY, TRACK 1, FWD, TIC 3112.00 +/-	400	4	0	5,520,149:17:0	
2	0	138	10:00:00.000	20A3EX	37HR	Initial Condition	Replacement Heaters OFF	400	4	0	5,520,149:17:4	
3	0	138	10:00:00.000	20A3EY	37C1PR	Initial Condition	Optics Heater 1 OFF (primary relay)	400	4	0	5,520,149:17:4	
4	0	138	10:00:00.000	20A3EZ	37C2PR	Initial Condition	Optics Heater 2 OFF (primary relay)	400	4	0	5,520,149:17:4	
5	0	138	10:00:00.000	20A3FA	37F1PR	Initial Condition	Radiator Flash Heater OFF (primary relay)	400	4	0	5,520,149:17:4	
6	0	138	10:00:00.000	20A3FB	37F2PR	Initial Condition	Shield Flash Heater OFF (primary relay)	400	4	0	5,520,149:17:4	
7	0	138	10:00:00.000	20A3FD	40HRPR	Initial Condition	RCT Heater OFF (primary relay)	400	4	0	5,520,149:17:4	
8	0	138	10:00:00.000	20A3FE	40T1PR	Initial Condition	PCT Heater 1 OFF (primary relay)	400	4	0	5,520,149:17:4	
9	0	138	10:00:00.000	20A3FF	40T2R	Initial Condition	PCT Heater 2 OFF	400	4	0	5,520,149:17:4	
10	0	138	10:00:00.000	20A3EW	37A	Initial Condition	NIMS Power ON	400	4	0	5,520,149:17:4	
11	0	138	10:00:17.066	488AA6A	6TMSED	NORM,AH1	Sci, Eng, and D/L Chan	400	4	0	5,520,149:43:0	
12	0	138	11:15:37.066	431ZA6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	400	4	0	5,520,223:89:0	
13	0	138	14:57:59.733	488AA6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	400	4	0	5,520,443:83:0	
14	0	138	15:08:27.066	488AA6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	400	4	0	5,520,454:23:0	
15	0	138	15:42:34.400		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 3112.00 +/-	400	4	0	5,520,488:00:0	
16	0	138	15:42:34.400	465WK6A	6DMST		5000 DMS Slew to TIC	400	4	0	5,520,488:00:0	
17	0	138	15:42:34.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 3112.00 +/-	400	4	0	5,520,488:00:0	
18	0	138	15:42:41.066		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 3112.00 +/-	400	4	0	5,520,488:10:0	
19	0	138	15:42:42.466		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC *3112.12 +/-	400	4	0	5,520,488:12:1	
20	0	138	17:56:47.866		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *4997.94 +/-	400	4	0	5,520,620:68:2	
21	0	138	17:56:49.066		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4998.00 +/-	400	4	0	5,520,620:70:0	
22	0	138	21:36:15.733	465WL6A	6DMSC	P100.4	DMS Control Tape P/B 100.8kbps	400	4	0	5,520,837:73:0	
23	0	138	21:36:15.733		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 4998.00 +/-	400	4	0	5,520,837:73:0	
24	0	138	21:36:17.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4998.12 +/-	400	4	0	5,520,837:75:1	
25	0	138	21:36:22.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4999.35 +/-	400	4	0	5,520,837:83:0	
26	0	138	21:36:23.600		DMS:	: *RUNUP	P100, TRACK *,REV, TIC *4999.41 +/-	400	4	0	5,520,837:84:8	
27	0	138	21:36:27.466		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 4993.91 +/-	400	4	0	5,520,837:90:6	
28	0	138	21:36:27.466		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *4993.91 +/-	400	4	0	5,520,837:90:6	
29	0	138	22:02:07.733	465WL6B	6DMSC	RDY,4	DMS Control Tape stop	400	4	0	5,520,863:35:0	
30	0	138	22:02:07.733		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 255.79 +/-	400	4	0	5,520,863:35:0	
31	0	138	22:02:08.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 254.99 +/-	400	4	0	5,520,863:36:8	
32	0	138	23:41:44.400	488AB6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	400	4	0	5,520,961:82:0	
33	0	139	00:00:56.400	465WM6A	6DTRN	CMD,6DTRN,465WM6	DMS TRACK TURNAROUND	400	4	0	5,520,980:81:0	
34	0	139	00:00:56.400		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 254.99 +/-	400	4	0	5,520,980:81:0	
35	0	139	00:00:56.400		DMS:	: *US-RUNUP	P7, TRACK *,*FWD, TIC 254.99 +/-	400	4	0	5,520,980:81:0	
36	0	139	00:00:57.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 255.11 +/-	400	4	0	5,520,980:83:1	
37	0	139	00:01:03.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 256.34 +/-	400	4	0	5,520,981:00:0	
38	0	139	00:01:04.266		DMS:	: *RUNUP	P7, TRACK *,*REV, TIC * 256.40 +/-	400	4	0	5,520,981:01:8	
39	0	139	00:01:05.666		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 256.28 +/-	400	4	0	5,520,981:03:9	
40	0	139	00:05:06.333		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	400	4	0	5,520,985:00:9	
41	0	139	00:05:07.533		DMS:	: *TURNARND	P7, TRACK *,*FWD, TIC * 199.81 +/-	400	4	0	5,520,985:02:7	
42	0	139	00:05:07.533		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	400	4	0	5,520,985:02:7	
43	0	139	00:05:08.933		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	400	4	0	5,520,985:04:8	
44	0	139	00:05:09.066	488AB6B	6TMSED	NORM,AH1	Sci, Eng, and D/L Chan	400	4	0	5,520,985:05:0	
45	0	139	00:05:20.933		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	400	4	0	5,520,985:22:8	
46	0	139	00:05:22.133		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	400	4	0	5,520,985:24:6	
47	0	139	00:11:59.733	465WN6A	6DMSC	P100.1	DMS Control Tape P/B 100.8kbps	400	4	0	5,520,991:75:0	
48	0	139	00:11:59.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	400	4	0	5,520,991:75:0	
49	0	139	00:12:06.400		DMS:	: *RUNUP	P100, TRACK 1, FWD, TIC 202.12 +/-	400	4	0	5,520,991:85:0	
50	0	139	00:12:10.266		DMS:	: *P_SLEW	P100, TRACK 1, FWD, TIC * 207.62 +/-	400	4	0	5,520,991:90:8	
51	0	139	00:12:10.266		DMS:	: *AT_SPD	P100, TRACK 1, FWD, TIC 207.62 +/-	400	4	0	5,520,991:90:8	
52	0	139	00:43:53.733		DMS:	: *RUNDOWN	P100, TRACK 1, FWD, TIC *6063.01 +/-	400	4	0	5,521,023:34:0	
53	0	139	00:43:53.733	465VNB6	6DMSC	RDY,1	DMS Control Tape stop	400	4	0	5,521,023:34:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
54	0	139	00:43:54.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *6063.81 +/-	400	4	0	5.521,023:35.8	
55	0	139	00:59:29.733		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 6063.81 +/-	400	4	0	5.521,038:73.0	
56	0	139	00:59:29.733	465W06A	6DMSC	P100.2	DMS Control Tape P/B 100.8kbps	400	4	0	5.521,038:73.0	
57	0	139	00:59:31.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.93 +/-	400	4	0	5.521,038:75.1	
58	0	139	00:59:36.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6065.17 +/-	400	4	0	5.521,038:83.0	
59	0	139	00:59:37.600		DMS:	: *RUNUP	P100, TRACK *2, *REV, TIC *6065.23 +/-	400	4	0	5.521,038:84.8	
60	0	139	00:59:41.466		DMS:	: *P_SLEW	P100, TRACK 2, REV, TIC *6059.73 +/-	400	4	0	5.521,038:90.6	
61	0	139	00:59:41.466		DMS:	: *AT_SPD	P100, TRACK 2, REV, TIC 6059.73 +/-	400	4	0	5.521,038:90.6	
62	0	139	01:31:37.733	465WP6A	6DMSC	P100.3	DMS Control Tape P/B 100.8kbps	400	4	0	5.521,070:53.0	
63	0	139	01:31:37.733		DMS:	: *RUNDOWN	P100, TRACK 2, REV, TIC * 164.96 +/-	400	4	0	5.521,070:53.0	
64	0	139	01:31:38.933		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 164.16 +/-	400	4	0	5.521,070:54.8	
65	0	139	01:31:42.800		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 169.66 +/-	400	4	0	5.521,070:60.6	
66	0	139	01:31:42.800		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 169.66 +/-	400	4	0	5.521,070:60.6	
67	0	139	02:03:38.400	465WP6B	6DMSC	RDY,3	DMS Control Tape stop	400	4	0	5.521,102:22.0	
68	0	139	02:03:38.400		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC *6062.38 +/-	400	4	0	5.521,102:22.0	
69	0	139	02:03:39.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *6063.18 +/-	400	4	0	5.521,102:23.8	
70	0	139	02:18:21.733	465WQ6A	6DMSC	P100.4	DMS Control Tape P/B 100.8kbps	400	4	0	5.521,116:73.0	
71	0	139	02:18:21.733		DMS:	: *US-RUNUP	P7, TRACK *1, FWD, TIC 6063.18 +/-	400	4	0	5.521,116:73.0	
72	0	139	02:18:23.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.30 +/-	400	4	0	5.521,116:75.1	
73	0	139	02:18:28.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6064.53 +/-	400	4	0	5.521,116:83.0	
74	0	139	02:18:29.600		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *6064.59 +/-	400	4	0	5.521,116:84.8	
75	0	139	02:18:33.466		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *6059.09 +/-	400	4	0	5.521,116:90.6	
76	0	139	02:18:33.466		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 6059.09 +/-	400	4	0	5.521,116:90.6	
77	0	139	02:50:29.066	465WR6A	6DMSC	P100.3	DMS Control Tape P/B 100.8kbps	400	4	0	5.521,148:52.0	
78	0	139	02:50:29.066		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 166.38 +/-	400	4	0	5.521,148:52.0	
79	0	139	02:50:30.266		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 165.58 +/-	400	4	0	5.521,148:53.8	
80	0	139	02:50:34.133		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 171.08 +/-	400	4	0	5.521,148:59.6	
81	0	139	02:50:34.133		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 171.08 +/-	400	4	0	5.521,148:59.6	
82	0	139	02:51:35.066	465WR6B	6DMSC	RDY,3	DMS Control Tape stop	400	4	0	5.521,149:60.0	
83	0	139	02:51:35.066		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC * 358.52 +/-	400	4	0	5.521,149:60.0	
84	0	139	02:51:36.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 359.32 +/-	400	4	0	5.521,149:61.8	
85	0	139	02:51:59.066	488AB6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	400	4	0	5.521,150:05.0	
86	0	139	03:06:05.066	465WS6A	6DMSC	RDY,4	DMS Control Tape stop	400	4	0	5.521,164:00.0	
87	0	139	03:06:05.066		DMS:	: *READY	RDY, TRACK *4, *REV, TIC 359.32 +/-	400	4	0	5.521,164:00.0	
88	0	139	03:06:59.066	465WT6A	6DTRN	CMD:6DTRN,465WT6	DMS TRACK TURNAROUND	400	4	0	5.521,164:81.0	
89	0	139	03:06:59.066		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 359.32 +/-	400	4	0	5.521,164:81.0	
90	0	139	03:06:59.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 359.32 +/-	400	4	0	5.521,164:81.0	
91	0	139	03:07:00.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 359.44 +/-	400	4	0	5.521,164:83.1	
92	0	139	03:07:05.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 360.67 +/-	400	4	0	5.521,165:00.0	
93	0	139	03:07:06.933		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 360.73 +/-	400	4	0	5.521,165:01.8	
94	0	139	03:07:08.333		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 360.61 +/-	400	4	0	5.521,165:03.9	
95	0	139	03:18:34.133		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	400	4	0	5.521,176:31.6	
96	0	139	03:18:35.333		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	400	4	0	5.521,176:33.4	
97	0	139	03:18:35.333		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	400	4	0	5.521,176:33.4	
98	0	139	03:18:36.733		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	400	4	0	5.521,176:35.5	
99	0	139	03:18:48.733		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	400	4	0	5.521,176:53.5	
100	0	139	03:18:49.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	400	4	0	5.521,176:55.3	
101	0	139	03:23:29.066	488AB6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	400	4	0	5.521,181:19.0	
102	0	139	09:01:03.733	20NV6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	400	4	0	5.521,515:07.0	
103	0	139	09:10:59.733	20NV6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	400	4	0	5.521,524:82.0	
104	0	139	09:23:59.733	20CA4AA	7STAT	10.00,303.6182,3	Stator inertial point	400	4	0	5.521,537:69.0	
105	0	139	09:24:11.733	20CA6AA	6MROH	7.6744,0,A2	read from AACSA7.6744,0,A2	400	4	0	5.521,537:87.0	
106	0	139	09:29:59.733	474CA416A4B	7MODE	INT	AACS INERTIAL MODE	400	4	0	5.521,543:63.0	
107	0	139	09:31:59.733	474CA416A4D	7SAFE	UNSTOW	S/P TO 153 deg cone	400	4	0	5.521,545:61.0	
108	0	139	09:32:19.733	20CA4AD	7STAT	17.45,303.6182,3	Stator inertial point	400	4	0	5.521,546:00.0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
109	0	139	09:36:13.733	474CA416A4E	7BURN	303.618198,31.54	ALERT -- Thruster fire	400	4	0	5.521,549:78.0	
110	0	139	09:52:31.733	20CA44F	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5.521,565:89.0	
111	0	139	09:58:23.733	20CA44G	7MODE	CRU	AACS CRUISE MODE	400	4	0	5.521,571:71.0	
112	0	139	10:19:39.733	20CA44J	7STAT	10.00,303.6182,3	Stator inertial point	400	4	0	5.521,592:74.0	
113	0	139	10:19:51.733	20CA46B	6MROH	7,6744:0,A2	read from AACSA7,6744:0,A2	400	4	0	5.521,593:01.0	
114	0	139	10:25:39.733	20CA44K	7MODE	INT	AACS INERTIAL MODE	400	4	0	5.521,598:68.0	
115	0	139	10:27:39.733	474CA416A4G	7BURN	303.618198,31.54	ALERT -- Thruster fire	400	4	0	5.521,600:66.0	
116	0	139	10:52:15.733	20CA4AM	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5.521,625:05.0	
117	0	139	10:57:07.733	20CA4AN	7MODE	CRU	AACS CRUISE MODE	400	4	0	5.521,629:79.0	
118	0	139	18:29:13.666	465KJ6A	6DMST		5970 DMS Slew to TIC	400	4	0	5.522,077:00.0	
119	0	139	18:29:13.666		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	400	4	0	5.522,077:00.0	
120	0	139	18:29:13.666		DMS:	:*SLEW-TIC	P7, TRACK 1, FWD, TIC 202.12 +/-	400	4	0	5.522,077:00.0	
121	0	139	18:29:13.666		DMS:	:*TURNARND	P7, TRACK 1, FWD, TIC 202.12 +/-	400	4	0	5.522,077:00.0	
122	0	139	18:29:20.333		DMS:	:*RUNUP	P7, TRACK 1, FWD, TIC 202.12 +/-	400	4	0	5.522,077:10.0	
123	0	139	18:29:21.733		DMS:	:*AT SPD	P7, TRACK 1, FWD, TIC * 202.24 +/-	400	4	0	5.522,077:12.1	
124	0	139	22:56:46.333	488AC6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	400	4	0	5.522,341:55.0	
125	0	139	23:38:21.000	488AC6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	400	4	0	5.522,382:66.0	
126	0	140	01:19:21.133		DMS:	:*RUNDOWN	P7, TRACK 1, FWD, TIC *5967.94 +/-	400	4	0	5.522,482:56.2	
127	0	140	01:19:22.333		DMS:	:*READY	RDY, TRACK 1, FWD, TIC *5968.00 +/-	400	4	0	5.522,482:58.0	
128	0	140	01:25:45.000	488AC6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	400	4	0	5.522,488:86.0	
129	0	140	01:29:51.000	465KK6A	6DMST		214 DMS Slew to TIC	400	4	0	5.522,493:00.0	
130	0	140	01:29:51.000		DMS:	:*SLEW-TIC	P7, TRACK *2, *REV, TIC 5968.00 +/-	400	4	0	5.522,493:00.0	
131	0	140	01:29:51.000		DMS:	:*US-RUNUP	P7, TRACK *1, *FWD, TIC 5968.00 +/-	400	4	0	5.522,493:00.0	
132	0	140	01:29:52.400		DMS:	:*US_AT_SP	P7, TRACK 1, FWD, TIC *5968.12 +/-	400	4	0	5.522,493:02.1	
133	0	140	01:29:57.666		DMS:	:*US_RD	P7, TRACK 1, FWD, TIC *5969.35 +/-	400	4	0	5.522,493:10.0	
134	0	140	01:29:58.866		DMS:	:*RUNUP	P7, TRACK *2, *REV, TIC *5969.41 +/-	400	4	0	5.522,493:11.8	
135	0	140	01:30:00.266		DMS:	:*AT SPD	P7, TRACK 2, REV, TIC *5969.29 +/-	400	4	0	5.522,493:13.9	
136	0	140	03:23:31.000	488AC6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	400	4	0	5.522,605:38.0	
137	0	140	03:54:30.333	20OB6A	6HICON			400	4	0	5.522,636:06.0	
138	0	140	03:59:28.333	432JB6B	6RTD2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	400	4	0	5.522,640:89.0	
139	0	140	03:59:29.000	432JB431A6A	6RCD2	DNSCG,PLSDSL,EP	Record Deselect (DDS o	400	4	0	5.522,640:90.0	
140	0	140	03:59:29.666	432JB6D	6RTSL2	NIMNCG,AACSEL,RT	AACS SELECT	400	4	0	5.522,641:00.0	
141	0	140	03:59:29.666	432JB6C	6RTSL1		R/T Select of DDS and	400	4	0	5.522,641:00.0	
142	0	140	03:59:33.666	488AC6E	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	400	4	0	5.522,641:06.0	
143	0	140	07:35:44.333	488AD6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	400	4	0	5.522,854:79.0	
144	0	140	08:19:06.466		DMS:	:*RUNDOWN	P7, TRACK 2, REV, TIC * 216.06 +/-	400	4	0	5.522,897:69.2	
145	0	140	08:19:07.666		DMS:	:*READY	RDY, TRACK 2, REV, TIC * 216.00 +/-	400	4	0	5.522,897:71.0	
146	0	140	08:44:37.666		DMS:	: READY	RDY, TRACK *1, *FWD, TIC 216.00 +/-	400	4	0	5.522,923:00.0	
147	0	140	08:44:37.666	465KZ6A	6DMSC	RDY,1	DMS Control Tape stop	400	4	0	5.522,923:00.0	
148	0	140	08:53:00.333	488AD6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	400	4	0	5.522,931:26.0	
149	0	140	08:54:44.333	411JA6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5.522,933:00.0	
150	0	140	08:54:44.333		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 216.00 +/-	400	4	0	5.522,933:00.0	
151	0	140	08:54:51.000		DMS:	:*RUNUP	P7, TRACK 1, FWD, TIC 216.00 +/-	400	4	0	5.522,933:10.0	
152	0	140	08:54:52.400		DMS:	:*AT SPD	P7, TRACK 1, FWD, TIC 216.12 +/-	400	4	0	5.522,933:12.1	
153	0	140	08:54:52.400		DMS:	:*RECORD	P7, TRACK 1, FWD, TIC * 216.12 +/-	400	4	0	5.522,933:12.1	
154	0	140	08:54:54.333	411JA6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5.522,933:15.0	
155	0	140	08:56:55.666	411JA6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5.522,935:15.0	
156	0	140	08:56:56.333	411JA6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5.522,935:16.0	
157	0	140	08:56:56.333		DMS:	:*RUNDOWN	P7, TRACK 1, FWD, TIC * 245.17 +/-	400	4	0	5.522,935:16.0	
158	0	140	08:56:57.533		DMS:	:*READY	RDY, TRACK 1, FWD, TIC * 245.23 +/-	400	4	0	5.522,935:17.8	
159	0	140	15:23:33.000	488AE6A	6TMSED	FILL,AH1	Sci, Eng, and D/L Chan	400	4	0	5.523,317:49.0	
160	0	140	17:01:00.333	488AE6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	400	4	0	5.523,413:84.0	
161	0	140	17:01:05.000		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 245.23 +/-	400	4	0	5.523,414:00.0	
162	0	140	17:01:05.000	411JB6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5.523,414:00.0	
163	0	140	17:01:11.666		DMS:	:*RUNUP	P7, TRACK 1, FWD, TIC 245.23 +/-	400	4	0	5.523,414:10.0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
164	0	140	17:01:13.066		DMS:	:*AT_SPD	R7, TRACK 1, FWD, TIC 245.35 +/-	400	4	0	5.523,414:12.1	
165	0	140	17:01:13.066		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC * 245.35 +/-	400	4	0	5.523,414:12.1	
166	0	140	17:01:15.000	411JB6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5.523,414:15.0	
167	0	140	17:03:16.333	411JB6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5.523,416:15.0	
168	0	140	17:03:17.000	411JB6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5.523,416:16.0	
169	0	140	17:03:17.000		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC * 274.39 +/-	400	4	0	5.523,416:16.0	
170	0	140	17:03:18.200		DMS:	:*READY	RDY, TRACK 1, FWD, TIC * 274.45 +/-	400	4	0	5.523,416:17.8	
171	0	140	17:09:09.666	43200431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	400	4	0	5.523,421:90.0	
172	0	140	17:09:10.333	432006A	6RTSL1		R/T Select of DDS and	400	4	0	5.523,422:00.0	
173	0	140	22:02:23.666	411JC6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5.523,712:00.0	
174	0	140	22:02:23.666		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 274.45 +/-	400	4	0	5.523,712:00.0	
175	0	140	22:02:30.333		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 274.45 +/-	400	4	0	5.523,712:10.0	
176	0	140	22:02:31.733		DMS:	:*AT_SPD	R7, TRACK 1, FWD, TIC 274.57 +/-	400	4	0	5.523,712:12.1	
177	0	140	22:02:31.733		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC * 274.57 +/-	400	4	0	5.523,712:12.1	
178	0	140	22:02:33.666	411JC6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5.523,712:15.0	
179	0	140	22:04:35.000	411JC6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5.523,714:15.0	
180	0	140	22:04:35.666	411JC6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5.523,714:16.0	
181	0	140	22:04:35.666		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC * 303.62 +/-	400	4	0	5.523,714:16.0	
182	0	140	22:04:36.866		DMS:	:*READY	RDY, TRACK 1, FWD, TIC * 303.68 +/-	400	4	0	5.523,714:17.8	
183	0	140	23:10:42.333	488AF6A	6TMSED	NORMAL1	Sci, Eng, and D/L Chan	400	4	0	5.523,779:51.0	
184	0	140	23:30:00.333	20TO4A	7SAFE	STOP	SIP NO MOVEMENT	400	4	0	5.523,798:59.0	
185	0	140	23:30:50.333	20TO4B	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5.523,799:43.0	
186	0	140	23:30:56.333	20TO4E	7STAR	1,714,297.092,8.	Star catalog update	400	4	0	5.523,799:52.0	
187	0	140	23:30:58.333	20TO4F	7STAR	2,900.2,664,14.	Star catalog update	400	4	0	5.523,799:55.0	
188	0	140	23:31:00.333	20TO4G	7STAR	3,714,297.092,8.	Star catalog update	400	4	0	5.523,799:58.0	
189	0	140	23:31:02.333	20TO4H	7STAR	4,900.2,664,14.	Star catalog update	400	4	0	5.523,799:61.0	
190	0	140	23:31:04.333	20TO4I	7STAR	5,714,297.092,8.	Star catalog update	400	4	0	5.523,799:64.0	
191	0	140	23:31:06.333	20TO4J	7STAR	6,900.2,664,14.	Star catalog update	400	4	0	5.523,799:67.0	
192	0	140	23:35:03.000	4320S431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	400	4	0	5.523,803:58.0	
193	0	140	23:35:03.666	4320S6A	6RTSL1		R/T Select of DDS and	400	4	0	5.523,803:59.0	
194	0	141	00:36:53.666	488AF6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	400	4	0	5.523,864:73.0	
195	0	141	05:17:10.266		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 303.68 +/-	400	4	0	5.524,142:00.0	
196	0	141	05:17:10.266	411JD6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5.524,142:00.0	
197	0	141	05:17:16.933		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 303.68 +/-	400	4	0	5.524,142:10.0	
198	0	141	05:17:18.333		DMS:	:*AT_SPD	R7, TRACK 1, FWD, TIC 303.80 +/-	400	4	0	5.524,142:12.1	
199	0	141	05:17:18.333		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC * 303.80 +/-	400	4	0	5.524,142:12.1	
200	0	141	05:17:20.266	411JD6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5.524,142:15.0	
201	0	141	05:19:21.600	411JD6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5.524,144:15.0	
202	0	141	05:19:22.266		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC * 332.85 +/-	400	4	0	5.524,144:16.0	
203	0	141	05:19:22.266	411JD6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5.524,144:16.0	
204	0	141	05:19:23.466		DMS:	:*READY	RDY, TRACK 1, FWD, TIC * 332.91 +/-	400	4	0	5.524,144:17.8	
205	0	141	06:43:26.266	488AG6A	6TMSED	NORMAL1	Sci, Eng, and D/L Chan	400	4	0	5.524,227:29.0	
206	0	141	07:00:00.266	488AG6B	6TMSED	NORM,AH1	Sci, Eng, and D/L Chan	400	4	0	5.524,243:64.0	
207	0	141	08:25:08.933	488AG6C	6TMSED	FILL,AH1	Sci, Eng, and D/L Chan	400	4	0	5.524,327:83.0	
208	0	141	09:00:00.266	488AG6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	400	4	0	5.524,362:35.0	
209	0	141	09:01:04.266	20RO6B	6RTSL1		R/T Select of DDS and	400	4	0	5.524,363:40.0	
210	0	141	09:19:50.266	192GB4A	7CONE	9,0,0,0	Check S/P Position	400	4	0	5.524,382:00.0	
211	0	141	09:26:54.933	176GA6A	6TMREC	BPT	7.68 KBPS PPR BURST TO TAPE Record Mode C	400	4	0	5.524,389:00.0	
212	0	141	09:29:09.600	176GA6B	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5.524,391:20.0	
213	0	141	09:29:11.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5.524,391:23.0	
214	0	141	09:29:11.600		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 332.91 +/-	400	4	0	5.524,391:23.0	
215	0	141	09:29:18.266		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 332.91 +/-	400	4	0	5.524,391:33.0	
216	0	141	09:29:19.666		DMS:	:*AT_SPD	R7, TRACK 1, FWD, TIC * 333.03 +/-	400	4	0	5.524,391:35.1	
217	0	141	09:29:21.600		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC * 333.48 +/-	400	4	0	5.524,391:38.0	
218	0	141	09:29:32.933		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC * 336.14 +/-	400	4	0	5.524,391:55.0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
219	0	141	09:29:32.933	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5.524,391:55:0	
220	0	141	09:29:34.133		DMS:	:*READY	RDY, TRACK 1, FWD, TIC * 336.20 +/-	400	4	0	5.524,391:56:8	
221	0	141	09:31:58.266	192GB4B	7CONE	9.0,90.0	Check S/P Position	400	4	0	5.524,394:00:0	
222	0	141	09:35:00.266		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 336.20 +/-	400	4	0	5.524,397:00:0	
223	0	141	09:35:00.266	411JE6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5.524,397:00:0	
224	0	141	09:35:06.933		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 336.20 +/-	400	4	0	5.524,397:10:0	
225	0	141	09:35:08.333		DMS:	:*AT SPD	R7, TRACK 1, FWD, TIC 336.32 +/-	400	4	0	5.524,397:12:1	
226	0	141	09:35:08.333		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC * 336.32 +/-	400	4	0	5.524,397:12:1	
227	0	141	09:35:10.266	411JE6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5.524,397:15:0	
228	0	141	09:37:11.600	411JE6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5.524,399:15:0	
229	0	141	09:37:12.266		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC * 365.36 +/-	400	4	0	5.524,399:16:0	
230	0	141	09:37:12.266	411JE6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5.524,399:16:0	
231	0	141	09:37:13.466		DMS:	:*READY	RDY, TRACK 1, FWD, TIC * 365.42 +/-	400	4	0	5.524,399:17:8	
232	0	141	09:39:52.933		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 365.42 +/-	400	4	0	5.524,401:75:0	
233	0	141	09:39:52.933	175TA422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	400	4	0	5.524,401:75:0	
234	0	141	09:39:59.600		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 365.42 +/-	400	4	0	5.524,401:85:0	
235	0	141	09:40:00.933	175TA176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	400	4	0	5.524,401:87:0	
236	0	141	09:40:00.933	282NA431A6A	6RCSEL	DDSNCG,PLSSEL,EP	Record Select (DDS onl)	400	4	0	5.524,401:87:0	
237	0	141	09:40:01.000		DMS:	:*AT SPD	R7, TRACK 1, FWD, TIC 365.54 +/-	400	4	0	5.524,401:87:1	
238	0	141	09:40:01.000		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC * 365.54 +/-	400	4	0	5.524,401:87:1	
239	0	141	09:40:03.600	431MA6A	6RCSEL	DDSEL,PLSNCG,EP	Record Select (DDS onl)	400	4	0	5.524,402:00:0	
240	0	141	09:51:14.266	428JA6A	6RCCLR			400	4	0	5.524,413:05:0	
241	0	141	09:51:14.933	428JA6B	6RCSET		12	400	4	0	5.524,413:06:0	
242	0	141	09:55:12.933	165GA4A	7SCAN	NORM,202.931,-0.	Check S/P Position	400	4	0	5.524,416:90:0	
243	0	141	10:00:15.600	165GA4B	7VECT		Inert vect update UTC	400	4	0	5.524,421:89:0	
244	0	141	10:05:00.266	481UB4A	7VECT	BB2	Inert vect update UTC	400	4	0	5.524,426:61:0	
245	0	141	10:10:37.600	175NA422A6A	6DMSC	R115.1	DMS Control	400	4	0	5.524,432:21:0	
246	0	141	10:10:37.600		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC * 796.00 +/-	400	4	0	5.524,432:21:0	
247	0	141	10:10:38.800		DMS:	:*RUNUP	R115, TRACK 1, FWD, TIC * 796.06 +/-	400	4	0	5.524,432:22:8	
248	0	141	10:10:42.800		DMS:	:*AT SPD	R115, TRACK 1, FWD, TIC 802.36 +/-	400	4	0	5.524,432:28:8	
249	0	141	10:10:42.800		DMS:	:*RECORD	R115, TRACK 1, FWD, TIC * 802.36 +/-	400	4	0	5.524,432:28:8	
250	0	141	10:10:42.933	175NA176A6A	6TMREC	HPW	115.2 KBPS PWS RECORD Record Mode Change	400	4	0	5.524,432:29:0	
251	0	141	10:10:52.933	428JB6A	6RCCLR			400	4	0	5.524,432:44:0	
252	0	141	10:10:53.600	428JB6B	6RCSET		8	400	4	0	5.524,432:45:0	
253	0	141	10:11:03.600		DMS:	:*RUNDOWN	R115, TRACK 1, FWD, TIC * 875.48 +/-	400	4	0	5.524,432:60:0	
254	0	141	10:11:03.600	175TB422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	400	4	0	5.524,432:60:0	
255	0	141	10:11:04.800		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC * 876.48 +/-	400	4	0	5.524,432:61:8	
256	0	141	10:11:06.200		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC * 876.60 +/-	400	4	0	5.524,432:63:9	
257	0	141	10:11:06.200		DMS:	:*AT SPD	R7, TRACK 1, FWD, TIC 876.60 +/-	400	4	0	5.524,432:63:9	
258	0	141	10:11:06.266	175TB176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	400	4	0	5.524,432:64:0	
259	0	141	10:11:30.933	165IA4A	7SCAN	NORM,142.588999,	Check S/P Position	400	4	0	5.524,433:10:0	
260	0	141	10:12:28.266	428JC6A	6RCCLR			400	4	0	5.524,434:05:0	
261	0	141	10:12:28.933	428JC6B	6RCSET		12	400	4	0	5.524,434:06:0	
262	0	141	10:13:17.600	118IA	SMOS	GS		400	4	0	5.524,434:79:0	
263	0	141	10:13:22.266	175IA422A6A	6DMSC	R403.1	DMS Control	400	4	0	5.524,434:86:0	
264	0	141	10:13:22.266		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC * 908.49 +/-	400	4	0	5.524,434:86:0	
265	0	141	10:13:23.466		DMS:	:*RUNUP	R403, TRACK 1, FWD, TIC * 908.55 +/-	400	4	0	5.524,434:87:8	
266	0	141	10:13:24.266	165IA4B	7VECT		Inert vect update UTC	400	4	0	5.524,434:89:0	
267	0	141	10:13:26.933	175IA176A6A	6TMREC	IM4	403.2 KBPS IMAGE RECORD Record Mode Chang	400	4	0	5.524,435:02:0	
268	0	141	10:13:27.333		DMS:	:*AT SPD	R403, TRACK 1, FWD, TIC 931.55 +/-	400	4	0	5.524,435:02:6	
269	0	141	10:13:27.333		DMS:	:*RECORD	R403, TRACK 1, FWD, TIC * 931.55 +/-	400	4	0	5.524,435:02:6	
270	0	141	10:13:27.600	118IA110A111A4A	7STRP	-0.00715,0.00271	Slew =4,3.6	400	4	0	5.524,435:03:0	
271	0	141	10:13:38.266	428JD6A	6RCCLR			400	4	0	5.524,435:19:0	
272	0	141	10:13:38.933	428JD6B	6RCSET		11	400	4	0	5.524,435:20:0	
273	0	141	10:13:53.600	118IA11A	SMOS	GE		400	4	0	5.524,435:42:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
274	0	141	10:13:58.933	165IB4A	7SCAN	NORM,132.632,32.	Check S/P Position	400	4	0	5.524,435:50:0	5.524,435:50:0
275	0	141	10:14:00.266		DMS:	:*RUNDOWN	R403, TRACK 1, FWD, TIC *1336.79 +/-	400	4	0	5.524,435:52:0	5.524,435:52:0
276	0	141	10:14:00.266	175TC422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	400	4	0	5.524,435:52:0	5.524,435:52:0
277	0	141	10:14:03.000		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC *1340.79 +/-	400	4	0	5.524,435:56:1	5.524,435:56:1
278	0	141	10:14:04.266	175TC176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	400	4	0	5.524,435:58:0	5.524,435:58:0
279	0	141	10:14:04.400		DMS:	:*AT_SPD	R7, TRACK 1, FWD, TIC 1340.91 +/-	400	4	0	5.524,435:58:2	5.524,435:58:2
280	0	141	10:14:04.400		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC *1340.91 +/-	400	4	0	5.524,435:58:2	5.524,435:58:2
281	0	141	10:14:11.600	428JE6A	6RCCLR			400	4	0	5.524,435:69:0	5.524,435:69:0
282	0	141	10:14:12.266	428JE6B	6RCSET		12	400	4	0	5.524,435:70:0	5.524,435:70:0
283	0	141	10:14:18.266	118IB	SMOS	GS		400	4	0	5.524,435:79:0	5.524,435:79:0
284	0	141	10:14:22.933	175IB422A6A	6DMSC	R403,1	DMS Control	400	4	0	5.524,435:86:0	5.524,435:86:0
285	0	141	10:14:22.933		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC *1345.25 +/-	400	4	0	5.524,435:86:0	5.524,435:86:0
286	0	141	10:14:24.133		DMS:	:*RUNUP	R403, TRACK 1, FWD, TIC *1345.31 +/-	400	4	0	5.524,435:87:8	5.524,435:87:8
287	0	141	10:14:24.933	165IB4B	7VECT		Inert vect update UTC	400	4	0	5.524,435:89:0	5.524,435:89:0
288	0	141	10:14:27.600	175IB176A6A	6TMREC	IM4	403.2 KBPS IMAGE RECORD Record Mode Chang	400	4	0	5.524,436:02:0	5.524,436:02:0
289	0	141	10:14:28.000		DMS:	:*RECORD	R403, TRACK 1, FWD, TIC *1368.31 +/-	400	4	0	5.524,436:02:6	5.524,436:02:6
290	0	141	10:14:28.000		DMS:	:*AT_SPD	R403, TRACK 1, FWD, TIC 1368.31 +/-	400	4	0	5.524,436:02:6	5.524,436:02:6
291	0	141	10:14:28.266	118IB110A11A4A	7STRP	-0.00715:0.0.26,	Slew =5.3.6	400	4	0	5.524,436:03:0	5.524,436:03:0
292	0	141	10:14:38.933	428JF6A	6RCCLR			400	4	0	5.524,436:19:0	5.524,436:19:0
293	0	141	10:14:39.600	428JF6B	6RCSET		11	400	4	0	5.524,436:20:0	5.524,436:20:0
294	0	141	10:15:02.933	118IB11A	SMOS	GE		400	4	0	5.524,436:55:0	5.524,436:55:0
295	0	141	10:15:04.933	165IC4A	7SCAN	NORM,132.535,27.	Check S/P Position	400	4	0	5.524,436:58:0	5.524,436:58:0
296	0	141	10:15:09.600	175TD422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	400	4	0	5.524,436:65:0	5.524,436:65:0
297	0	141	10:15:09.600		DMS:	:*RUNDOWN	R403, TRACK 1, FWD, TIC *1880.19 +/-	400	4	0	5.524,436:65:0	5.524,436:65:0
298	0	141	10:15:12.333		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC *1884.19 +/-	400	4	0	5.524,436:69:1	5.524,436:69:1
299	0	141	10:15:13.600	175TD176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	400	4	0	5.524,436:71:0	5.524,436:71:0
300	0	141	10:15:13.733		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC *1884.31 +/-	400	4	0	5.524,436:71:2	5.524,436:71:2
301	0	141	10:15:13.733		DMS:	:*AT_SPD	R7, TRACK 1, FWD, TIC 1884.31 +/-	400	4	0	5.524,436:71:2	5.524,436:71:2
302	0	141	10:15:18.933	118IC	SMOS	GS		400	4	0	5.524,436:79:0	5.524,436:79:0
303	0	141	10:15:19.600	428JG6A	6RCCLR			400	4	0	5.524,436:80:0	5.524,436:80:0
304	0	141	10:15:20.266	428JG6B	6RCSET		12	400	4	0	5.524,436:81:0	5.524,436:81:0
305	0	141	10:15:23.600		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC *1886.62 +/-	400	4	0	5.524,436:86:0	5.524,436:86:0
306	0	141	10:15:23.600	175IC422A6A	6DMSC	R403,1	DMS Control	400	4	0	5.524,436:86:0	5.524,436:86:0
307	0	141	10:15:24.800		DMS:	:*RUNUP	R403, TRACK 1, FWD, TIC *1886.68 +/-	400	4	0	5.524,436:87:8	5.524,436:87:8
308	0	141	10:15:25.600	165IC4B	7VECT		Inert vect update UTC	400	4	0	5.524,436:89:0	5.524,436:89:0
309	0	141	10:15:28.266	175IC176A6A	6TMREC	IM4	403.2 KBPS IMAGE RECORD Record Mode Chang	400	4	0	5.524,437:02:0	5.524,437:02:0
310	0	141	10:15:28.666		DMS:	:*RECORD	R403, TRACK 1, FWD, TIC *1909.68 +/-	400	4	0	5.524,437:02:6	5.524,437:02:6
311	0	141	10:15:28.666		DMS:	:*AT_SPD	R403, TRACK 1, FWD, TIC 1909.68 +/- 1	400	4	0	5.524,437:02:6	5.524,437:02:6
312	0	141	10:15:28.933	118IC110A11A4A	7STRP	-0.00715:0.0.26,	Slew =4.3.6	400	4	0	5.524,437:03:0	5.524,437:03:0
313	0	141	10:15:30.933	28NNFEATRE01-		-----START-----		400	4	0	:	:
314	0	141	10:15:39.600	428JH6A	6RCCLR			400	4	0	5.524,437:19:0	5.524,437:19:0
315	0	141	10:15:40.266	428JH6B	6RCSET		11	400	4	0	5.524,437:20:0	5.524,437:20:0
316	0	141	10:15:54.933	118IC11A	SMOS	GE		400	4	0	5.524,437:42:0	5.524,437:42:0
317	0	141	10:16:00.266	165ID4A	7SCAN	NORM,126.247999,	Check S/P Position	400	4	0	5.524,437:50:0	5.524,437:50:0
318	0	141	10:16:01.600	175TE422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	400	4	0	5.524,437:52:0	5.524,437:52:0
319	0	141	10:16:01.600		DMS:	:*RUNDOWN	R403, TRACK 1, FWD, TIC *2314.91 +/- 1	400	4	0	5.524,437:52:0	5.524,437:52:0
320	0	141	10:16:04.333		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC *2318.91 +/- 1	400	4	0	5.524,437:56:1	5.524,437:56:1
321	0	141	10:16:05.600	175TE176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	400	4	0	5.524,437:58:0	5.524,437:58:0
322	0	141	10:16:05.733		DMS:	:*AT_SPD	R7, TRACK 1, FWD, TIC 2319.03 +/- 1	400	4	0	5.524,437:58:2	5.524,437:58:2
323	0	141	10:16:05.733		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC *2319.03 +/- 1	400	4	0	5.524,437:58:2	5.524,437:58:2
324	0	141	10:16:12.933	428JI6A	6RCCLR			400	4	0	5.524,437:69:0	5.524,437:69:0
325	0	141	10:16:12.933	20DA5A	37PL		Program Load (halts microprocessor & unwri	4	0	0	5.524,437:69:0	5.524,437:69:0
326	0	141	10:16:13.600	428JI6B	6RCSET		12	4	0	0	5.524,437:70:0	5.524,437:70:0
327	0	141	10:16:19.600	118ID	SMOS	GS		4	0	0	5.524,437:79:0	5.524,437:79:0
328	0	141	10:16:20.266	20DA5B	37MRL		Memory Realocate (software operates from R	4	0	0	5.524,437:80:0	5.524,437:80:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
329	0	141	10:16:24.266	175ID422A6A	6DMSC	R403.1	DMS Control	4	0	5.524,437.86:0		
330	0	141	10:16:24.266		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC *2323.38 +/- 1	4	0	5.524,437.86:0		
331	0	141	10:16:25.466		DMS:	:*RUNUP	R403, TRACK 1, FWD, TIC *2323.44 +/- 1	4	0	5.524,437.87:8		
332	0	141	10:16:26.266	165ID4B	7VECT		Inert vect update UTC	4	0	5.524,437.89:0		
333	0	141	10:16:28.266	20DA6A	6MCOPI	NIMS	NIMS,1000,LLM1A,7300,77F7	4	0	5.524,438.01:0		
334	0	141	10:16:28.933	175ID176A6A	6TMREC	IM4	403.2 KBPS IMAGE RECORD Record Mode Chang	4	0	5.524,438.02:6		
335	0	141	10:16:29.333		DMS:	:*AT SPD	R403, TRACK 1, FWD, TIC 2346.44 +/- 1	4	0	5.524,438.02:6		
336	0	141	10:16:29.333		DMS:	:*RECORD	R403, TRACK 1, FWD, TIC *2346.44 +/- 1	4	0	5.524,438.02:6		
337	0	141	10:16:29.600	118ID110A11A4A	7STRP	-0.00715.0.0.26,	Slew =4.3.6	4	0	5.524,438.03:0		
338	0	141	10:16:38.266	20DA6B	6MCOPI	NIMS	NIMS,1598,LLM1A,77F8,781D	4	0	5.524,438.16:0		
339	0	141	10:16:40.266	428J6A	6RCCLR			4	0	5.524,438.19:0		
340	0	141	10:16:40.933	428JJ6B	6RCSET			4	0	5.524,438.20:0		
341	0	141	10:16:48.266	20DA5C	37IRT		Instrument Reset (goes into POR state)	4	0	5.524,438.31:0		
342	0	141	10:16:49.600	20DA5D	37MNI		Memory Normal (software operates from ROM)	260	4	0	5.524,438.33:0	
343	0	141	10:16:55.600	118ID11A	SMOS	GE		260	4	0	5.524,438.42:0	
344	0	141	10:17:00.933	165IE4A	7SCAN	NORM,87.882,25.1	Check S/P Position	260	4	0	5.524,438.50:0	
345	0	141	10:17:02.266	175TF422A6A	6DMSC	R7.1	DMS Control Tape runup 7.68kbp	260	4	0	5.524,438.52:0	
346	0	141	10:17:02.266		DMS:	:*RUNDOWN	R403, TRACK 1, FWD, TIC *2751.67 +/- 1	260	4	0	5.524,438.52:0	
347	0	141	10:17:05.000		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC *2755.67 +/- 1	260	4	0	5.524,438.56:1	
348	0	141	10:17:06.266	175TF176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	260	4	0	5.524,438.58:0	
349	0	141	10:17:06.400		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC *2755.79 +/- 1	260	4	0	5.524,438.58:2	
350	0	141	10:17:06.400		DMS:	:*AT SPD	R7, TRACK 1, FWD, TIC 2755.79 +/- 1	260	4	0	5.524,438.58:2	
351	0	141	10:17:13.600	428JK6A	6RCCLR			260	4	0	5.524,438.69:0	
352	0	141	10:17:14.266	428JK6B	6RCSET			260	4	0	5.524,438.70:0	
353	0	141	10:17:20.933	20DA4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	5.524,438.80:0	
354	0	141	10:17:32.266	28NFEATRE01-		-----STOP-----		2R0	4	0	:	:
355	0	141	10:17:32.266	28GNFEATRE01		-----START-----		2R0	4	0	:	:
356	0	141	10:18:20.933	118IE	SMOS	GS		2R0	4	0	5.524,439.79:0	
357	0	141	10:18:24.266	125DA11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5.524,439.84:0	
358	0	141	10:18:24.266	125DA	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5.524,439.84:0	
359	0	141	10:18:24.266	125DA4A	37IST	0,2,0,OFF,0,1,0	Gain State 2	2R0	4	0	5.524,439.84:0	
360	0	141	10:18:25.600		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC *2774.35 +/- 1	2R0	4	0	5.524,439.86:0	
361	0	141	10:18:25.600	175IE422A6A	6DMSC	R403.1	DMS Control	2R0	4	0	5.524,439.86:0	
362	0	141	10:18:26.800		DMS:	:*RUNUP	R403, TRACK 1, FWD, TIC *2774.41 +/- 1	2R0	4	0	5.524,439.87:8	
363	0	141	10:18:27.600	165IE4B	7VECT		Inert vect update UTC	2R0	4	0	5.524,439.89:0	
364	0	141	10:18:30.266	175IE176A6A	6TMREC	IM4	403.2 KBPS IMAGE RECORD Record Mode Chang	2R0	4	0	5.524,440.02:6	
365	0	141	10:18:30.666		DMS:	:*AT SPD	R403, TRACK 1, FWD, TIC 2797.41 +/- 2	2R0	4	0	5.524,440.02:6	
366	0	141	10:18:30.666		DMS:	:*RECORD	R403, TRACK 1, FWD, TIC *2797.41 +/- 1	2R0	4	0	5.524,440.02:6	
367	0	141	10:18:30.933	118IE110A11A4A	7STRP	-0.00715.0.0.26,	Slew =4.3.6	2R0	4	0	5.524,440.03:0	
368	0	141	10:18:34.933	28GNCALDRA01+	NIMPBK	301FG	GANY CALDRA SSI RIDEALONG	2R0	4	0	:	:
369	0	141	10:18:41.600	428JL6A	6RCCLR			2R0	4	0	5.524,440.19:0	
370	0	141	10:18:42.266	428JL6B	6RCSET			2R0	4	0	5.524,440.20:0	
371	0	141	10:18:56.933	118IE11A	SMOS	GE		2R0	4	0	5.524,440.42:0	
372	0	141	10:19:02.266	28GNCALDRA01+	DESEL	300FG	GANY CALDRA SSI RIDEALONG	2R0	4	0	:	:
373	0	141	10:19:03.600		DMS:	:*RUNDOWN	R403, TRACK 1, FWD, TIC *3202.65 +/- 2	2R0	4	0	5.524,440.52:0	
374	0	141	10:19:03.600	175TG422A6A	6DMSC	R7.1	DMS Control Tape runup 7.68kbp	2R0	4	0	5.524,440.52:0	
375	0	141	10:19:06.333		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC *3206.65 +/- 2	2R0	4	0	5.524,440.56:1	
376	0	141	10:19:07.600	175TG176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R0	4	0	5.524,440.58:0	
377	0	141	10:19:07.733		DMS:	:*AT SPD	R7, TRACK 1, FWD, TIC 3206.77 +/- 2	2R0	4	0	5.524,440.58:2	
378	0	141	10:19:07.733		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC *3206.77 +/- 2	2R0	4	0	5.524,440.58:2	
379	0	141	10:19:24.933	127DA	NIMSTAB	GS	%%%%GROUP START TAB	2R0	4	0	5.524,440.84:0	
380	0	141	10:19:24.933	127DA4A	37IOP	3.0	Long Map, Grating Start Position =00	2R3	4	0	5.524,440.85:0	
381	0	141	10:19:25.600	127DA4B	37ETB	04,C4,35,FF,FF	Loads wavelength edit table	2R3	4	0	5.524,440.85:0	
382	0	141	10:19:32.933	428JM6A	6RCCLR			2R3	4	0	5.524,441.05:0	
383	0	141	10:19:33.600	127DA11A	NIMSTAB	GE	%%%%GROUP END TAB	2R3	4	0	5.524,441.06:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
384	0	141	10:19:33.600	428JM6B	6RCSET			2R3	4	0	5,524,441:06:0	
385	0	141	10:19:35.600	165DA4A	7SCAN	NORM,91.884,22.5	Check S/P Position	2R3	4	0	5,524,441:09:0	
386	0	141	10:20:20.933	117DA	CSMOS	GS	***** GROUP START CSMOS	2R3	4	0	5,524,441:77:0	
387	0	141	10:20:28.933	165DA4B	7VECT		Inert vect update UTC	2R3	4	0	5,524,441:89:0	
388	0	141	10:20:30.266	117DA105A106A4A	7STRP	0.014301,0.0,0.0	Slew =-0.03	2R3	4	0	5,524,442:00:0	
389	0	141	10:21:22.266	175DA422A6A	6DMSC	R28,1	DMS Control	2R3	4	0	5,524,442:78:0	
390	0	141	10:21:22.266		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC *3238.30 +/- 2	2R3	4	0	5,524,442:78:0	
391	0	141	10:21:23.466		DMS:	:*RUNUP	R28, TRACK 1, FWD, TIC *3238.36 +/- 2	2R3	4	0	5,524,442:79:8	
392	0	141	10:21:27.466		DMS:	:*AT_SPD	R28, TRACK 1, FWD, TIC 3239.86 +/- 2	2R3	4	0	5,524,442:85:8	
393	0	141	10:21:27.466		DMS:	:*RECORD	R28, TRACK 1, FWD, TIC *3239.86 +/- 2	2R3	4	0	5,524,442:85:8	
394	0	141	10:21:27.600	175DA176A6A	6TMREC	MPW	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	5,524,442:86:0	
395	0	141	10:21:28.266	28GNFEATRE01-	NIMPBK	301DA	GANYMEDE FEATURE OBSERVATION	2R3	4	0	:	:
396	0	141	10:21:43.600	428JN6A	6RCCLR			2R3	4	0	5,524,443:19:0	
397	0	141	10:21:44.266	428JN6B	6RCSET			2R3	4	0	5,524,443:20:0	
398	0	141	10:25:05.600	28GNFEATRE01-	NIMPBK	301DL	GANYMEDE FEATURE OBSERVATION	2R3	4	0	:	:
399	0	141	10:25:21.600	28GNFEATRE01-	DESEL	300DL	GANYMEDE FEATURE OBSERVATION	2R3	4	0	:	:
400	0	141	10:28:32.266	117DA11A	CSMOS	GE	***** GROUP END CSMOS	2R3	4	0	5,524,449:86:0	
401	0	141	10:28:39.600	28GNFEATRE01		-----STOP-----		2R3	4	0	:	:
402	0	141	10:28:42.266	165IF4A	7SCAN	NORM,68.452999,2	Check S/P Position	2R3	4	0	5,524,450:10:0	
403	0	141	10:29:28.266	118IF	SMOS	GS		2R3	4	0	5,524,450:79:0	
404	0	141	10:29:30.933	28GNFEATRE01-	DESEL	300DA	GANYMEDE FEATURE OBSERVATION	2R3	4	0	:	:
405	0	141	10:29:32.933	175IF422A6A	6DMSC	R403,1	DMS Control	2R3	4	0	5,524,450:86:0	
406	0	141	10:29:32.933		DMS:	:*RUNUP	R403, TRACK 1, FWD, TIC *3666.84 +/- 2	2R3	4	0	5,524,450:87:8	
407	0	141	10:29:34.133	165IF4B	7VECT		Inert vect update UTC	2R3	4	0	5,524,450:89:0	
408	0	141	10:29:34.933	165IF4B	6TMREC	IM4	403.2 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	5,524,451:02:0	
409	0	141	10:29:37.600	175IF176A6A	6DMSC	R7,1	DMS Control	2R3	4	0	5,524,451:02:6	
410	0	141	10:29:38.000		DMS:	:*AT_SPD	R403, TRACK 1, FWD, TIC 3689.84 +/- 2	2R3	4	0	5,524,451:02:6	
411	0	141	10:29:38.000		DMS:	:*RECORD	R403, TRACK 1, FWD, TIC *3689.84 +/- 2	2R3	4	0	5,524,451:02:6	
412	0	141	10:29:38.266	118IF110A111A4A	7STRP	-0.00731,0.0,26,	Slew =-3.71	2R3	4	0	5,524,451:03:0	
413	0	141	10:29:42.266	28GNSMOOTH02+	NIMPBK	301FH	GANY SMOOTH SSI RIDEALONG	2R3	4	0	:	:
414	0	141	10:29:45.600	428JO6A	6RCCLR			2R3	4	0	5,524,451:14:0	
415	0	141	10:29:46.266	428JO6B	6RCSET			2R3	4	0	5,524,451:15:0	
416	0	141	10:29:46.933	118IF11A	SMOS	GE		2R3	4	0	5,524,451:16:0	
417	0	141	10:29:49.600	165IG4A	7SCAN	NORM,69.646,25.8	Check S/P Position	2R3	4	0	5,524,451:20:0	
418	0	141	10:29:52.266	28GNSMOOTH02+	DESEL	300FH	GANY SMOOTH SSI RIDEALONG	2R3	4	0	:	:
419	0	141	10:29:53.600	175TH422A6A	6DMSC	R7,1	DMS Control	2R3	4	0	5,524,451:26:0	
420	0	141	10:29:53.600		DMS:	:*RUNDOWN	R403, TRACK 1, FWD, TIC *3881.79 +/- 2	2R3	4	0	5,524,451:26:0	
421	0	141	10:29:56.333		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC *3885.79 +/- 2	2R3	4	0	5,524,451:30:1	
422	0	141	10:29:57.600	175TH176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	5,524,451:32:0	
423	0	141	10:29:57.733		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC *3885.91 +/- 2	2R3	4	0	5,524,451:32:2	
424	0	141	10:29:57.733		DMS:	:*AT_SPD	R7, TRACK 1, FWD, TIC 3885.91 +/- 2	2R3	4	0	5,524,451:32:2	
425	0	141	10:30:08.933	428JP6A	6RCCLR			2R3	4	0	5,524,451:49:0	
426	0	141	10:30:09.600	428JP6B	6RCSET			2R3	4	0	5,524,451:50:0	
427	0	141	10:30:28.933	118IG	SMOS	GS		2R3	4	0	5,524,451:79:0	
428	0	141	10:30:33.600	175IG422A6A	6DMSC	R403,1	DMS Control	2R3	4	0	5,524,451:86:0	
429	0	141	10:30:33.600		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC *3894.32 +/- 2	2R3	4	0	5,524,451:86:0	
430	0	141	10:30:34.800		DMS:	:*RUNUP	R403, TRACK 1, FWD, TIC *3894.38 +/- 2	2R3	4	0	5,524,451:87:8	
431	0	141	10:30:35.600	165IG4B	7VECT		Inert vect update UTC	2R3	4	0	5,524,451:89:0	
432	0	141	10:30:38.266	175IG176A6A	6TMREC	IM4	403.2 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	5,524,452:02:0	
433	0	141	10:30:38.666		DMS:	:*AT_SPD	R403, TRACK 1, FWD, TIC 3917.38 +/- 2	2R3	4	0	5,524,452:02:6	
434	0	141	10:30:38.666		DMS:	:*RECORD	R403, TRACK 1, FWD, TIC *3917.38 +/- 2	2R3	4	0	5,524,452:02:6	
435	0	141	10:30:38.933	118IG110A111A4A	7STRP	-0.00731,0.0,26,	Slew =-3.71	2R3	4	0	5,524,452:03:0	
436	0	141	10:30:42.933	28GNBTRDK02+	NIMPBK	301FI	GANY BTRDRK SSI RIDEALONG	2R3	4	0	:	:
437	0	141	10:30:47.600	428JO6A	6RCCLR			2R3	4	0	5,524,452:16:0	
438	0	141	10:30:47.600	118IG11A	SMOS	GE		2R3	4	0	5,524,452:16:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
439	0	141	10:30:48.266	428JQ6B	6RCSET		11	2R3	4	0	5.524,452:17.0	
440	0	141	10:30:50.266	165IH4A	7SCAN	NORM:72.922,25.8	Check S/P Position	2R3	4	0	5.524,452:20.0	
441	0	141	10:30:52.933	28GNBRTDRK02+	DESEL	300FI	GANY BRTDRK SSI RIDEALONG	2R3	4	0	:	:
442	0	141	10:30:54.266		DMS:	: *RUNDOWN	R403, TRACK 1, FWD, TIC *4109.33 +/- 2	2R3	4	0	5.524,452:26.0	
443	0	141	10:30:54.266	175TI1422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	2R3	4	0	5.524,452:26.0	
444	0	141	10:30:57.000		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC *4113.33 +/- 2	2R3	4	0	5.524,452:30.1	
445	0	141	10:30:58.266	175TI176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD	2R3	4	0	5.524,452:32.0	
446	0	141	10:30:58.400		DMS:	: *RECORD	R7, TRACK 1, FWD, TIC *4113.45 +/- 2	2R3	4	0	5.524,452:32.2	
447	0	141	10:30:58.400		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 4113.45 +/- 2	2R3	4	0	5.524,452:32.2	
448	0	141	10:31:09.600	428JR6A	6RCCLR			2R3	4	0	5.524,452:49.0	
449	0	141	10:31:10.266	428JR6B	6RCSET		12	2R3	4	0	5.524,452:50.0	
450	0	141	10:31:29.600	118IH	SMOS	GS		2R3	4	0	5.524,452:79.0	
451	0	141	10:31:34.266		DMS:	: *RUNDOWN	R7, TRACK 1, FWD, TIC *4121.86 +/- 2	2R3	4	0	5.524,452:86.0	
452	0	141	10:31:34.266	175IH422A6A	6DMSC	R403,1	DMS Control	2R3	4	0	5.524,452:86.0	
453	0	141	10:31:35.466		DMS:	: *RUNUP	R403, TRACK 1, FWD, TIC *4121.92 +/- 2	2R3	4	0	5.524,452:87.8	
454	0	141	10:31:36.266	165IH4B	7VECT		Inert vect update UTC	2R3	4	0	5.524,452:89.0	
455	0	141	10:31:38.933	175IH176A6A	6TMREC	IM4	403.2 KBPS IMAGE RECORD	2R3	4	0	5.524,453:02.0	
456	0	141	10:31:39.333		DMS:	: *AT_SPD	R403, TRACK 1, FWD, TIC 4144.92 +/- 3	2R3	4	0	5.524,453:02.6	
457	0	141	10:31:39.333		DMS:	: *RECORD	R403, TRACK 1, FWD, TIC *4144.92 +/- 2	2R3	4	0	5.524,453:02.6	
458	0	141	10:31:39.600	118IH110A11A4A	7STRP	-0.00731:0.0,26,	Slew = -3.71	2R3	4	0	5.524,453:03.0	
459	0	141	10:31:43.600	28GNNICHL02+	NIMPBK	301FJ	GANY NICHOL SSI RIDEALONG	2R3	4	0	:	:
460	0	141	10:31:46.933	428JS6A	6RCCLR			2R3	4	0	5.524,453:14.0	
461	0	141	10:31:47.600	428JS6B	6RCSET		11	2R3	4	0	5.524,453:15.0	
462	0	141	10:31:48.266	118IH11A	SMOS	GE		2R3	4	0	5.524,453:16.0	
463	0	141	10:31:50.933	165I4A	7SCAN	NORM:74.214,26.3	Check S/P Position	2R3	4	0	5.524,453:20.0	
464	0	141	10:31:53.600	28GNNICHL02+	DESEL	300FJ	GANY NICHOL SSI RIDEALONG	2R3	4	0	:	:
465	0	141	10:31:54.933	175TJ422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	2R3	4	0	5.524,453:26.0	
466	0	141	10:31:54.933		DMS:	: *RUNDOWN	R403, TRACK 1, FWD, TIC *4336.87 +/- 3	2R3	4	0	5.524,453:26.0	
467	0	141	10:31:57.666		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC *4340.87 +/- 3	2R3	4	0	5.524,453:30.1	
468	0	141	10:31:58.933	175TJ176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD	2R3	4	0	5.524,453:32.0	
469	0	141	10:31:59.066		DMS:	: *RECORD	R7, TRACK 1, FWD, TIC *4340.99 +/- 3	2R3	4	0	5.524,453:32.2	
470	0	141	10:31:59.066		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 4340.99 +/- 3	2R3	4	0	5.524,453:32.2	
471	0	141	10:32:10.266	428JT6A	6RCCLR			2R3	4	0	5.524,453:49.0	
472	0	141	10:32:10.933	428JT6B	6RCSET		12	2R3	4	0	5.524,453:50.0	
473	0	141	10:32:30.266	118II	SMOS	GS		2R3	4	0	5.524,453:79.0	
474	0	141	10:32:34.933		DMS:	: *RUNDOWN	R7, TRACK 1, FWD, TIC *4349.40 +/- 3	2R3	4	0	5.524,453:86.0	
475	0	141	10:32:34.933	175I1422A6A	6DMSC	R403,1	DMS Control	2R3	4	0	5.524,453:86.0	
476	0	141	10:32:36.133		DMS:	: *RUNUP	R403, TRACK 1, FWD, TIC *4349.46 +/- 3	2R3	4	0	5.524,453:87.8	
477	0	141	10:32:36.933	165II4B	7VECT		Inert vect update UTC	2R3	4	0	5.524,453:89.0	
478	0	141	10:32:39.600	175I1176A6A	6TMREC	IM4	403.2 KBPS IMAGE RECORD	2R3	4	0	5.524,454:02.0	
479	0	141	10:32:40.000		DMS:	: *RECORD	R403, TRACK 1, FWD, TIC *4372.46 +/- 3	2R3	4	0	5.524,454:02.6	
480	0	141	10:32:40.000		DMS:	: *AT_SPD	R403, TRACK 1, FWD, TIC 4372.46 +/- 3	2R3	4	0	5.524,454:02.6	
481	0	141	10:32:40.266	118II10A11A4A	7STRP	-0.0065:0.0,26,0	Slew = -3.71	2R3	4	0	5.524,454:03.0	
482	0	141	10:32:44.266	28GNARBELA02+	NIMPBK	301FK	GANY ARBELA SSI RIDEALONG	2R3	4	0	:	:
483	0	141	10:32:48.933	118II10A11A4B	7STRP	0.00391,0.007311	Slew = -3.91	2R3	4	0	5.524,454:16.0	
484	0	141	10:32:57.600	118II10A11A4C	7STRP	-0.0065:0.0,26,0	Slew = -3.71	2R3	4	0	5.524,454:29.0	
485	0	141	10:33:04.266	428JU6A	6RCCLR			2R3	4	0	5.524,454:39.0	
486	0	141	10:33:04.933	428JU6B	6RCSET		11	2R3	4	0	5.524,454:40.0	
487	0	141	10:33:06.266	118II10A11A4D	7STRP	0.00391,0.007311	Slew = -3.91	2R3	4	0	5.524,454:42.0	
488	0	141	10:33:14.933	118II10A11A4E	7STRP	-0.0065:0.0,26,0	Slew = -3.71	2R3	4	0	5.524,454:55.0	
489	0	141	10:33:23.600	118II11A	SMOS	GE		2R3	4	0	5.524,454:68.0	
490	0	141	10:33:28.933	28GNARBELA02+	DESEL	300FK	GANY ARBELA SSI RIDEALONG	2R3	4	0	:	:
491	0	141	10:33:30.266	175TK422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	2R3	4	0	5.524,454:78.0	
492	0	141	10:33:30.266		DMS:	: *RUNDOWN	R403, TRACK 1, FWD, TIC *4990.97 +/- 3	2R3	4	0	5.524,454:78.0	
493	0	141	10:33:31.600	165IJ4A	7SCAN	NORM:68.388,23.5	Check S/P Position	2R3	4	0	5.524,454:80.0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
494	0	141	10:33:33.000		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC *4994.97 +/- 3	2R3	4	0	5,524,454:82:1	
495	0	141	10:33:34.266	175TK176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD	2R3	4	0	5,524,454:84:0	
496	0	141	10:33:34.400		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC *4995.09 +/- 3	2R3	4	0	5,524,454:84:2	
497	0	141	10:33:34.400		DMS:	:*AT_SPD	R7, TRACK 1, FWD, TIC 4995.09 +/- 3	2R3	4	0	5,524,454:84:2	
498	0	141	10:33:42:933	28NMLMSCAN01-		-----START-----		2R3	4	0	:	
499	0	141	10:34:11.600	428JV6A	6RCCLR			2R3	4	0	5,524,455:49:0	
500	0	141	10:34:12.266	428JV6B	6RCSET		12	2R3	4	0	5,524,455:50:0	
501	0	141	10:34:24:933	20DB5A	37PL	GS	Program Load (halts microprocessor & unwri	4	0	5,524,455:69:0		
502	0	141	10:34:31.600	118J	SMOS			4	0	5,524,455:79:0		
503	0	141	10:34:32:266	20DB5B	37MRL		Memory Realocate (software operates from R	4	0	5,524,455:80:0		
504	0	141	10:34:36:266	175J422A6A	6DMSC	R403,1	DMS Control	4	0	5,524,455:86:0		
505	0	141	10:34:36:266		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC *5009.59 +/- 3	4	0	5,524,455:86:0		
506	0	141	10:34:37:466		DMS:	:*RUNUP	R403, TRACK 1, FWD, TIC *5009.65 +/- 3	4	0	5,524,455:87:8		
507	0	141	10:34:38:266	165J4B	7VECT		Inert vect update UTC	4	0	5,524,455:89:0		
508	0	141	10:34:40:266	20DB6A	6MCOPI	NIMS	NIMS,1000,LLM1A,7300,77F7	4	0	5,524,456:01:0		
509	0	141	10:34:40:933	175J176A6A	6TMREC	IM4	403.2 KBPS IMAGE RECORD	4	0	5,524,456:02:0		
510	0	141	10:34:41:333		DMS:	:*RECORD	R403, TRACK 1, FWD, TIC *5032.65 +/- 3	4	0	5,524,456:02:6		
511	0	141	10:34:41:333		DMS:	:*AT_SPD	R403, TRACK 1, FWD, TIC 5032.65 +/- 4	4	0	5,524,456:02:6		
512	0	141	10:34:41.600	118J110A111A4A	7STRP	-0.00731,0.0,0.26,	Slew =,3.71	4	0	5,524,456:03:0		
513	0	141	10:34:50:266	20DB6B	6MCOPI	NIMS	NIMS,1598,LLM1A,77F8,781D	4	0	5,524,456:16:0		
514	0	141	10:34:50:266	118J11A	SMOS	GE		4	0	5,524,456:16:0		
515	0	141	10:34:52.266	428JW6A	6RCCLR			4	0	5,524,456:19:0		
516	0	141	10:34:52.933	428JW6B	6RCSET		DMS Control Tape runup 7.68kbp	4	0	5,524,456:20:0		
517	0	141	10:34:56.933	175TL422A6A	6DMSC	R7,1	R403, TRACK 1, FWD, TIC *5224.61 +/- 4	4	0	5,524,456:26:0		
518	0	141	10:34:56.933		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC *5228.61 +/- 4	4	0	5,524,456:26:0		
519	0	141	10:34:59.666		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC *5228.61 +/- 4	4	0	5,524,456:30:1		
520	0	141	10:35:00.266	20DB5C	37IRT		Instrument Reset (goes into POR state)	4	0	5,524,456:31:0		
521	0	141	10:35:00.933	175TL176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD	4	0	5,524,456:32:0		
522	0	141	10:35:01.066		DMS:	:*AT_SPD	R7, TRACK 1, FWD, TIC 5228.73 +/- 4	4	0	5,524,456:32:2		
523	0	141	10:35:01.066		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC *5228.73 +/- 4	4	0	5,524,456:32:2		
524	0	141	10:35:01.600	20DB5D	37MN		Memory Normal (software operates from ROM)	260	4	0	5,524,456:33:0	
525	0	141	10:35:32:933	20DB4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	5,524,456:80:0	
526	0	141	10:35:43.600	428JX6A	6RCCLR			2R0	4	0	5,524,457:05:0	
527	0	141	10:35:44.266	28NMLMSCAN01-		-----STOP-----		2R0	4	0	:	
528	0	141	10:35:44.266	28NMLMSCAN01		-----START-----		2R0	4	0	:	
529	0	141	10:35:44.266	428JX6B	6RCSET			2R0	4	0	5,524,457:06:0	
530	0	141	10:36:36.266	125DB	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,524,457:84:0	
531	0	141	10:36:36.266	125DB11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,524,457:84:0	
532	0	141	10:36:36.266	125DB4A	37IST	0,2,0,OFF,0,1,1	Gain State 4	4R0	4	0	5,524,457:84:0	
533	0	141	10:36:53.600	165DB4A	7SCAN	NORM;80.679999,2	Check S/P Position	4R0	4	0	5,524,458:19:0	
534	0	141	10:37:32.266	117DB	CSMOS	GS	***** GROUP START CSMOS	4R0	4	0	5,524,458:77:0	
535	0	141	10:37:32.933	175DB422A6A	6DMSC	R28,1	DMS Control	4R0	4	0	5,524,458:78:0	
536	0	141	10:37:32.933		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC *5264.32 +/- 4	4R0	4	0	5,524,458:78:0	
537	0	141	10:37:34.133		DMS:	:*RUNUP	R28, TRACK 1, FWD, TIC *5264.38 +/- 4	4R0	4	0	5,524,458:79:8	
538	0	141	10:37:36:933	127DB4A	37IOP	3,0	Long Map, Grating Start Position =00	4R3	4	0	5,524,458:84:0	
539	0	141	10:37:36.933	127DB	NIMSTAB	GS	%%%% GROUP START TAB	4R3	4	0	5,524,458:84:0	
540	0	141	10:37:37:600	127DB4B	37ETB	04,C4,35,FF,FF	Loads wavelength edit table	4R3	4	0	5,524,458:85:0	
541	0	141	10:37:38.133		DMS:	:*RECORD	R28, TRACK 1, FWD, TIC *5265.88 +/- 4	4R3	4	0	5,524,458:85:8	
542	0	141	10:37:38.133		DMS:	:*AT_SPD	R28, TRACK 1, FWD, TIC 5265.88 +/- 4	4R3	4	0	5,524,458:85:8	
543	0	141	10:37:38:266	175DB176A6A	6TMREC	MPW	28.8 KBPS PWS + NIMS RECORD	4R3	4	0	5,524,458:86:0	
544	0	141	10:37:38:933	28NMLMSCAN01-	NIMPBK	301DB	GANYMEDE LIMB SCAN OBSERVATION	4R3	4	0	:	
545	0	141	10:37:40.266	165DB4B	7VECT		Inert vect update UTC	4R3	4	0	5,524,458:89:0	
546	0	141	10:37:41.600	117DB105A106A4A	7STRP	-0.017802,0.0,0.0,	Slew =,0.03	4R3	4	0	5,524,459:00:0	
547	0	141	10:37:45.600	127DB11A	NIMSTAB	GE	%%%% GROUP END TAB	4R3	4	0	5,524,459:06:0	
548	0	141	10:40:41.600	432MA431A6A	6RCDSL	DDDSL,PLSNCG,EP	Record Deselect (DDS o	4R3	4	0	5,524,461:88:0	

Line	YR	DOY	SCET - GMT	PSID	Command Parameters	Description	GCM	GO	GS	RIM	MFI
549	0	141	10:40:42.266	432MA6A	6RTSL1	R/T Select of DDS and	4R3	4	0	5,524,461:89:0	
550	0	141	10:40:45.600	432OA431A6A	6RCDL	DDSNG,PLSNCG,EP	4R3	4	0	5,524,462:03:0	
551	0	141	10:40:46.266	432OA6A	6RTSL1	R/T Select of DDS and	4R3	4	0	5,524,462:04:0	
552	0	141	10:40:47.600	428JZ6A	6RCCLR		4R3	4	0	5,524,462:06:0	
553	0	141	10:40:49.600	282NB431A6A	6RCDL	DDSNG,PLSDSL,EP	4R3	4	0	5,524,462:09:0	
554	0	141	10:41:38.266	282NB432A431A6A	6RCDL	DDSNG,PLSDSL,EP	4R3	4	0	5,524,462:82:0	
555	0	141	10:41:38.933	282NB432A6A	6RTSL1	R/T Select of DDS and	4R3	4	0	5,524,462:83:0	
556	0	141	10:43:29.600	28GNLMSCAN01-	NIMPBK	GANYMEDE LIMB SCAN OBSERVATION	4R3	4	0	:	:
557	0	141	10:43:38.266	28GNLMSCAN01-	DESELC	GANYMEDE LIMB SCAN OBSERVATION	4R3	4	0	:	:
558	0	141	10:44:35.666	28GNLMSCAN01-	NIMPBK	GANYMEDE LIMB SCAN OBSERVATION	4R3	4	0	:	:
559	0	141	10:44:46.333	28GNLMSCAN01-	DESELC	GANYMEDE LIMB SCAN OBSERVATION	4R3	4	0	:	:
560	0	141	10:46:19.666	28GNLMSCAN01-	NIMPBK	GANYMEDE LIMB SCAN OBSERVATION	4R3	4	0	:	:
561	0	141	10:46:29.666	28GNLMSCAN01-	DESELC	GANYMEDE LIMB SCAN OBSERVATION	4R3	4	0	:	:
562	0	141	10:46:45.666	28GNLMSCAN01-	NIMPBK	GANYMEDE LIMB SCAN OBSERVATION	4R3	4	0	:	:
563	0	141	10:47:00.333	28GNLMSCAN01-	DESELC	GANYMEDE LIMB SCAN OBSERVATION	4R3	4	0	:	:
564	0	141	10:47:44.933	117DB11A	CSMOS	***** GROUP END CSMOS	4R3	4	0	5,524,468:86:0	
565	0	141	10:49:38.266	28GNLMSCAN01-	DESELC	GANYMEDE LIMB SCAN OBSERVATION	4R3	4	0	:	:
566	0	141	10:49:38.933	175DB422A6B	6DMSC	DMS Control Tape stop	4R3	4	0	5,524,470:75:0	
567	0	141	10:49:38.933		DMS: : *RUNDOWN	R28, TRACK 1, FWD, TIC *5899.39 +/- 4	4R3	4	0	5,524,470:75:0	
568	0	141	10:49:40.133		DMS: : *READY	RDY, TRACK 1, FWD, TIC *5899.69 +/- 4	4R3	4	0	5,524,470:76:8	
569	0	141	10:49:53.600	28GNLMSCAN01		-----STOP-----	4R3	4	0	:	:
570	0	141	10:50:34.266	165IR4A	7SCAN	Check S/P Position	4R3	4	0	5,524,471:67:0	
571	0	141	10:50:50.266	411KV6A	6DMSC	DMS Control Tape runup 7.68kps	4R3	4	0	5,524,472:00:0	
572	0	141	10:50:50.266		DMS: : *E4-DELAY	RDY, TRACK 1, FWD, TIC 5899.69 +/- 4	4R3	4	0	5,524,472:00:0	
573	0	141	10:50:56.933		DMS: : *RUNUP	R7, TRACK 1, FWD, TIC 5899.69 +/- 4	4R3	4	0	5,524,472:10:0	
574	0	141	10:50:58.333		DMS: : *RECORD	R7, TRACK 1, FWD, TIC 5899.81 +/- 4	4R3	4	0	5,524,472:12:1	
575	0	141	10:50:58.333		DMS: : *AT SPD	R7, TRACK 1, FWD, TIC 5899.81 +/- 4	4R3	4	0	5,524,472:12:1	
576	0	141	10:51:00.266	411KV6B	6TMREC	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4R3	4	0	5,524,472:15:0	
577	0	141	10:53:01.600	411KV6C	6TMREC	NO RECORD Record Mode Change	4R3	4	0	5,524,474:15:0	
578	0	141	10:53:02.266	411KV6D	6DMSC	DMS Control Tape stop	4R3	4	0	5,524,474:16:0	
579	0	141	10:53:02.266		DMS: : *RUNDOWN	R7, TRACK 1, FWD, TIC *5928.86 +/- 4	4R3	4	0	5,524,474:16:0	
580	0	141	10:53:03.466		DMS: : *READY	RDY, TRACK 1, FWD, TIC *5928.92 +/- 4	4R3	4	0	5,524,474:17:8	
581	0	141	10:54:28.933		DMS: : *E4-DELAY	RDY, TRACK 1, FWD, TIC 5928.92 +/- 4	4R3	4	0	5,524,475:55:0	
582	0	141	10:54:28.933	175IR422A6A	6DMSC	DMS Control	4R3	4	0	5,524,475:55:0	
583	0	141	10:54:35.600		DMS: : *RUNUP	R115, TRACK 1, FWD, TIC 5928.92 +/- 4	4R3	4	0	5,524,475:65:0	
584	0	141	10:54:36.266	165IR4B	7VECT	Inert vect update UTC	4R3	4	0	5,524,475:66:0	
585	0	141	10:54:38.933	175IR176A6A	6TMREC	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	5,524,475:70:0	
586	0	141	10:54:39.600		DMS: : *AT SPD	R115, TRACK 1, FWD, TIC 5935.22 +/- 4	4R3	4	0	5,524,475:71:0	
587	0	141	10:54:39.600		DMS: : *RECORD	R115, TRACK 1, FWD, TIC *5935.22 +/- 4	4R3	4	0	5,524,475:71:0	
588	0	141	10:54:47.600	175IR422A6B	6DMSC	DMS Control Tape stop	4R3	4	0	5,524,475:83:0	
589	0	141	10:54:47.600		DMS: : *RUNDOWN	R115, TRACK 1, FWD, TIC *5963.35 +/- 4	4R3	4	0	5,524,475:83:0	
590	0	141	10:54:48.800		DMS: : *READY	RDY, TRACK 1, FWD, TIC *5964.35 +/- 4	4R3	4	0	5,524,475:84:8	
591	0	141	11:24:12.266		DMS: : READY	RDY, TRACK *2, REV, TIC 5964.35 +/- 4	4R3	4	0	5,524,505:00:0	
592	0	141	11:24:12.266	465KB6A	6DMSC	DMS Control Tape stop	4R3	4	0	5,524,505:00:0	
593	0	141	11:37:16.933	488AG6E	6TMSED	Sci, Eng, and D/L Chan	4R3	4	0	5,524,517:85:0	
594	0	141	11:44:29.600	28NPPERRIN01-		-----START-----	4R3	4	0	:	:
595	0	141	11:45:11.600	20DC5A	37PL	Program Load (halts microprocessor & unwri	4	0	5,524,525:69:0		
596	0	141	11:45:18.933	20DC5B	37MRL	Memory Realocate (software operates from R	4	0	5,524,525:80:0		
597	0	141	11:45:26.933	20DC6A	6MCPY	NIMS,1000,LLM1A,7300,77F7	4	0	5,524,526:01:0		
598	0	141	11:45:36.933	20DC6B	6MCPY	NIMS,1598,LLM1A,77F8,781D	4	0	5,524,526:16:0		
599	0	141	11:45:46.933	20DC5C	37IRT	Instrument Reset (goes into POR state)	4	0	5,524,526:31:0		
600	0	141	11:45:48.266	20DC5D	37MN	Memory Normal (software operates from ROM)	260	4	0	5,524,526:33:0	
601	0	141	11:46:19.600	20DC4A	37IST	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	5,524,526:80:0	
602	0	141	11:46:30.933	28NPPERRIN01-		-----STOP-----	2R0	4	0	:	:
603	0	141	11:46:30.933	28GNPERRIN01		-----START-----	2R0	4	0	:	:

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
604	0	141	11:47:22.933	125DC4A	37IST	0,2,0,OFF,0,1,0	Gain State 2	2R0	4	0	5,524,527:84:0	
605	0	141	11:47:22.933	125DC11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,524,527:84:0	
606	0	141	11:47:22.933	125DC	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,524,527:84:0	
607	0	141	11:48:27.600	165DC4A	7SCAN	NORM,64,549,24,3	Check S/P Position	2R0	4	0	5,524,528:90:0	
608	0	141	11:51:25.600	127DC	NIMSTAB	GS	%%GROUP START TAB	2R0	4	0	5,524,531:84:0	
609	0	141	11:51:25.600	127DC4A	37IOP	3,0	Long Map, Grating Start Position =00	2R3	4	0	5,524,531:85:0	
610	0	141	11:51:26.266	127DC4B	37ETB	04,C4,35,FF,FF	Loads wavelength edit table	2R3	4	0	5,524,531:85:0	
611	0	141	11:51:34.266	127DC11A	NIMSTAB	GE	%%GROUP END TAB	2R3	4	0	5,524,532:06:0	
612	0	141	11:52:21.600	117DC	CSMOS	GS	**** GROUP START CSMOS	2R3	4	0	5,524,532:77:0	
613	0	141	11:52:29.600	165DC4B	7VECT		Inert vect update UTC	2R3	4	0	5,524,533:00:0	
614	0	141	11:52:30.933	117DC105A106A4A	7STRP	0.017802,0,0,0,0	Slew =0.03	2R3	4	0	5,524,542:69:0	
615	0	141	12:02:22.933		DMS:	:*US-RUNUP	P7, TRACK *1, *FWD, TIC 5964.35 +/- 4	2R3	4	0	5,524,542:69:0	
616	0	141	12:02:22.933	175DC422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R3	4	0	5,524,542:69:0	
617	0	141	12:02:24.333		DMS:	:*US_AT_SP	P7, TRACK 1, FWD, TIC *5964.47 +/- 4	2R3	4	0	5,524,542:71:1	
618	0	141	12:02:27.600	117DC105A106A4B	7STRP	-0.017802,0.0080	Slew =12.01	2R3	4	0	5,524,542:79:0	
619	0	141	12:02:29.600		DMS:	:*US_RD	P7, TRACK 1, FWD, TIC *5965.70 +/- 4	2R3	4	0	5,524,542:79:0	
620	0	141	12:02:30.800		DMS:	:*RUNUP	R28, TRACK *2, *REV, TIC *5965.76 +/- 4	2R3	4	0	5,524,542:80:8	
621	0	141	12:02:34.266	175DC176A6A	6TMREC	MPW	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	5,524,542:86:0	
622	0	141	12:02:34.800		DMS:	:*AT_SPD	R28, TRACK 2, REV, TIC 5964.26 +/- 4	2R3	4	0	5,524,542:86:8	
623	0	141	12:02:34.800		DMS:	:*RECORD	R28, TRACK 2, REV, TIC *5964.26 +/- 4	2R3	4	0	5,524,542:86:8	
624	0	141	12:02:34.933	28GNPERRIN01-	NIMPBK	301DC	GANYMEDE PERRINE OBSERVATION	2R3	4	0	: :	
625	0	141	12:02:40.933	117DC105A106A4C	7STRP	0.017802,0,0,0,0	Slew =0.03	2R3	4	0	5,524,543:05:0	
626	0	141	12:10:34.933	28GNPERRIN01-	DESEL	300DC	GANYMEDE PERRINE OBSERVATION	2R3	4	0	: :	
627	0	141	12:10:37.600	175DC422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,524,550:83:0	
628	0	141	12:10:37.600		DMS:	:*RUNDOWN	R28, TRACK 2, REV, TIC *5539.92 +/- 4	2R3	4	0	5,524,550:83:0	
629	0	141	12:10:38.800		DMS:	:*READY	RDY, TRACK 2, REV, TIC *5539.62 +/- 4	2R3	4	0	5,524,550:84:8	
630	0	141	12:12:37.600	117DC105A106A4D	7STRP	-0.017802,0.0080	Slew =12.01	2R3	4	0	5,524,552:81:0	
631	0	141	12:12:50.933	117DC105A106A4E	7STRP	0.017802,0,0,0,0	Slew =0.03	2R3	4	0	5,524,553:10:0	
632	0	141	12:22:47.600	117DC11A	CSMOS	GE	**** GROUP END CSMOS	2R3	4	0	5,524,562:86:0	
633	0	141	12:22:50.266	165GC4A	7SCAN	NORM,63,823,25,3	Check S/P Position	2R3	4	0	5,524,562:90:0	
634	0	141	12:22:54.933	28GNPERRIN01			-----STOP-----	2R3	4	0	: :	
635	0	141	12:26:53.600	176GC6A	6TMREC	BPT	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	5,524,567:00:0	
636	0	141	12:27:44.933	117GC	CSMOS	GS	**** GROUP START CSMOS	2R3	4	0	5,524,567:77:0	
637	0	141	12:27:54.266	117GC105A106A4A	7STRP	0.048037,0,0,0,0	Slew =0.68	2R3	4	0	5,524,568:00:0	
638	0	141	12:29:08.933	117GC105A106A4B	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,569:21:0	
639	0	141	12:29:17.600	117GC105A106A4C	7STRP	0.048037,0,0,0,0	Slew =0.68	2R3	4	0	5,524,569:34:0	
640	0	141	12:30:32.266	117GC105A106A4D	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,570:55:0	
641	0	141	12:30:40.933	117GC105A106A4E	7STRP	0.048037,0,0,0,0	Slew =0.68	2R3	4	0	5,524,570:68:0	
642	0	141	12:31:55.600	117GC105A106A4F	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,571:89:0	
643	0	141	12:32:04.266	117GC105A106A4G	7STRP	0.048037,0,0,0,0	Slew =0.68	2R3	4	0	5,524,572:11:0	
644	0	141	12:33:18.933	117GC105A106A4H	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,573:32:0	
645	0	141	12:33:27.600	117GC105A106A4I	7STRP	0.048037,0,0,0,0	Slew =0.68	2R3	4	0	5,524,573:45:0	
646	0	141	12:34:42.266	117GC105A106A4J	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,574:66:0	
647	0	141	12:34:50.933	117GC105A106A4K	7STRP	0.048037,0,0,0,0	Slew =0.68	2R3	4	0	5,524,574:79:0	
648	0	141	12:36:05.600	117GC105A106A4L	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,576:09:0	
649	0	141	12:36:14.266	117GC105A106A4M	7STRP	0.048037,0,0,0,0	Slew =0.68	2R3	4	0	5,524,576:22:0	
650	0	141	12:37:28.933	117GC105A106A4N	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,577:43:0	
651	0	141	12:37:37.600	117GC105A106A4O	7STRP	0.048037,0,0,0,0	Slew =0.68	2R3	4	0	5,524,577:56:0	
652	0	141	12:38:52.266	117GC105A106A4P	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5,524,578:77:0	
653	0	141	12:39:00.933	117GC105A106A4Q	7STRP	0.048037,0,0,0,0	Slew =0.68	2R3	4	0	5,524,578:90:0	
654	0	141	12:39:28.266		DMS:	:*US-RUNUP	P7, TRACK *1, *FWD, TIC 5539.62 +/- 4	2R3	4	0	5,524,579:40:0	
655	0	141	12:39:28.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,524,579:40:0	
656	0	141	12:39:29.666		DMS:	:*US_AT_SP	P7, TRACK 1, FWD, TIC *5539.74 +/- 4	2R3	4	0	5,524,579:42:1	
657	0	141	12:39:34.933		DMS:	:*US_RD	P7, TRACK 1, FWD, TIC *5540.98 +/- 4	2R3	4	0	5,524,579:50:0	
658	0	141	12:39:36.133		DMS:	:*RUNUP	R7, TRACK *2, *REV, TIC *5541.04 +/- 4	2R3	4	0	5,524,579:51:8	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
659	0	141	12:39:37.533		DMS:	:*AT_SPD	R7, TRACK 2, REV, TIC *5540.92 +/- 4	2R3	4	0	5.524,579:53.9	
660	0	141	12:39:53.600		DMS:	:*RECORD	R7, TRACK 2, REV, TIC *5537.15 +/- 4	2R3	4	0	5.524,579:78.0	
661	0	141	12:40:15.600	117GC105A106A4R	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5.524,580:20.0	
662	0	141	12:40:16.266		DMS:	:*RUNDOWN	R7, TRACK 2, REV, TIC *5531.84 +/- 4	2R3	4	0	5.524,580:21.0	
663	0	141	12:40:16.266	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5.524,580:21.0	
664	0	141	12:40:17.466		DMS:	:*READY	RDY, TRACK 2, REV, TIC *5531.78 +/- 4	2R3	4	0	5.524,580:22.8	
665	0	141	12:40:24.266	117GC105A106A4S	7STRP	0.048037,0.0000	Slew = 0.68	2R3	4	0	5.524,580:33.0	
666	0	141	12:41:38.933	117GC105A106A4T	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5.524,581:54.0	
667	0	141	12:41:47.600	117GC105A106A4U	7STRP	0.048037,0.0000	Slew = 0.68	2R3	4	0	5.524,581:67.0	
668	0	141	12:43:02.266	117GC105A106A4V	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5.524,582:88.0	
669	0	141	12:43:10.933	117GC105A106A4W	7STRP	0.048037,0.0000	Slew = 0.68	2R3	4	0	5.524,583:10.0	
670	0	141	12:44:25.600	117GC105A106A4X	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5.524,584:31.0	
671	0	141	12:44:34.266	117GC105A106A4Y	7STRP	0.048037,0.0000	Slew = 0.68	2R3	4	0	5.524,584:44.0	
672	0	141	12:45:48.933	117GC105A106A4Z	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5.524,585:65.0	
673	0	141	12:45:57.600	117GC105A106A4A	7STRP	0.048037,0.0000	Slew = 0.68	2R3	4	0	5.524,585:78.0	
674	0	141	12:47:12.266	117GC105A106A4B	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5.524,587:08.0	
675	0	141	12:47:20.933	117GC105A106A4C	7STRP	0.048037,0.0000	Slew = 0.68	2R3	4	0	5.524,587:21.0	
676	0	141	12:48:35.600	117GC105A106A4D	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5.524,588:42.0	
677	0	141	12:48:44.266	117GC105A106A4E	7STRP	0.048037,0.0000	Slew = 0.68	2R3	4	0	5.524,588:55.0	
678	0	141	12:49:58.933	117GC105A106A4F	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5.524,589:76.0	
679	0	141	12:50:07.600	117GC105A106A4G	7STRP	0.048037,0.0000	Slew = 0.68	2R3	4	0	5.524,589:89.0	
680	0	141	12:51:22.266	117GC105A106A4H	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5.524,591:19.0	
681	0	141	12:51:30.933	117GC105A106A4I	7STRP	0.048037,0.0000	Slew = 0.68	2R3	4	0	5.524,591:32.0	
682	0	141	12:52:30.266		DMS:	:*US-RUNUP	P7, TRACK *1, *FWD, TIC 5531.78 +/- 4	2R3	4	0	5.524,592:30.0	
683	0	141	12:52:30.266	50ZZ6XX	6DMSC	RDY,0	DMS Control Tape runup 7.68kps	2R3	4	0	5.524,592:30.0	
684	0	141	12:52:31.666		DMS:	:*US_AT_SP	P7, TRACK 1, FWD, TIC *5531.90 +/- 4	2R3	4	0	5.524,592:32.1	
685	0	141	12:52:36.933		DMS:	:*US_RD	P7, TRACK 1, FWD, TIC *5533.14 +/- 4	2R3	4	0	5.524,592:40.0	
686	0	141	12:52:38.133		DMS:	:*RUNUP	R7, TRACK *2, *REV, TIC *5533.20 +/- 4	2R3	4	0	5.524,592:41.8	
687	0	141	12:52:39.533		DMS:	:*AT_SPD	R7, TRACK 2, REV, TIC *5533.08 +/- 4	2R3	4	0	5.524,592:43.9	
688	0	141	12:52:45.600	117GC105A106A4J	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5.524,592:66.0	
689	0	141	12:52:54.266	117GC105A106A4K	7STRP	0.048037,0.0000	Slew = 0.68	2R3	4	0	5.524,592:68.0	
690	0	141	12:52:55.600		DMS:	:*RECORD	R7, TRACK 2, REV, TIC *5529.31 +/- 4	2R3	4	0	5.524,593:11.0	
691	0	141	12:53:18.266		DMS:	:*RUNDOWN	R7, TRACK 2, REV, TIC *5524.00 +/- 4	2R3	4	0	5.524,593:11.0	
692	0	141	12:53:18.266	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5.524,593:12.8	
693	0	141	12:53:19.466		DMS:	:*READY	RDY, TRACK 2, REV, TIC *5523.94 +/- 4	2R3	4	0	5.524,593:87.0	
694	0	141	12:54:08.933	117GC105A106A4L	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5.524,593:87.0	
695	0	141	12:54:17.600	117GC105A106A4M	7STRP	0.048037,0.0000	Slew = 0.68	2R3	4	0	5.524,594:09.0	
696	0	141	12:55:32.266	117GC105A106A4N	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5.524,595:30.0	
697	0	141	12:55:40.933	117GC105A106A4O	7STRP	0.048037,0.0000	Slew = 0.68	2R3	4	0	5.524,595:43.0	
698	0	141	12:56:55.600	117GC105A106A4P	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5.524,596:64.0	
699	0	141	12:57:04.266	117GC105A106A4Q	7STRP	0.048037,0.0000	Slew = 0.68	2R3	4	0	5.524,596:77.0	
700	0	141	12:58:18.933	117GC105A106A4R	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5.524,598:07.0	
701	0	141	12:58:27.600	117GC105A106A4S	7STRP	0.048037,0.0000	Slew = 0.68	2R3	4	0	5.524,598:20.0	
702	0	141	12:59:42.266	117GC105A106A4T	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5.524,599:41.0	
703	0	141	12:59:50.933	117GC105A106A4U	7STRP	0.048037,0.0000	Slew = 0.68	2R3	4	0	5.524,599:54.0	
704	0	141	13:01:05.600	117GC105A106A4V	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5.524,600:75.0	
705	0	141	13:01:14.266	117GC105A106A4W	7STRP	0.048037,0.0000	Slew = 0.68	2R3	4	0	5.524,600:88.0	
706	0	141	13:02:28.933	117GC105A106A4X	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5.524,602:18.0	
707	0	141	13:02:37.600	117GC105A106A4Y	7STRP	0.048037,0.0000	Slew = 0.68	2R3	4	0	5.524,602:31.0	
708	0	141	13:03:52.266	117GC105A106A4Z	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5.524,603:52.0	
709	0	141	13:04:00.933	117GC105A106A4A	7STRP	0.048037,0.0000	Slew = 0.68	2R3	4	0	5.524,603:65.0	
710	0	141	13:05:15.600	117GC105A106A4B	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5.524,604:86.0	
711	0	141	13:05:24.266	117GC105A106A4C	7STRP	0.048037,0.0000	Slew = 0.68	2R3	4	0	5.524,605:08.0	
712	0	141	13:05:32.266	50ZZ6XX	6DMSC	RDY,0	DMS Control Tape runup 7.68kps	2R3	4	0	5.524,605:20.0	
713	0	141	13:05:32.266		DMS:	:*US-RUNUP	P7, TRACK *1, *FWD, TIC 5523.94 +/- 4	2R3	4	0	5.524,605:20.0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
714	0	141	13:05:33.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5524.06 +/- 4	2R3	4	0	5.524,605:22:1	
715	0	141	13:05:38.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5525.29 +/- 4	2R3	4	0	5.524,605:30:0	
716	0	141	13:05:40.133		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5525.35 +/- 4	2R3	4	0	5.524,605:31:8	
717	0	141	13:05:41.533		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *5525.23 +/- 4	2R3	4	0	5.524,605:33:9	
718	0	141	13:05:57.600		DMS:	: *RECORD	R7, TRACK 2, REV, TIC *5521.47 +/- 4	2R3	4	0	5.524,605:58:0	
719	0	141	13:06:20.266	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5.524,606:01:0	
720	0	141	13:06:20.266		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *5516.15 +/- 4	2R3	4	0	5.524,606:01:0	
721	0	141	13:06:21.466		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5516.09 +/- 4	2R3	4	0	5.524,606:02:8	
722	0	141	13:06:38.933	117GC105A106A4BD	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5.524,606:29:0	
723	0	141	13:06:47.600	117GC105A106A4BE	7STRP	0.048037,0.0,0.0	Slew =-0.68	2R3	4	0	5.524,606:42:0	
724	0	141	13:08:02.266	117GC105A106A4BF	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5.524,607:63:0	
725	0	141	13:08:10.933	117GC105A106A4BG	7STRP	0.048037,0.0,0.0	Slew =-0.68	2R3	4	0	5.524,607:76:0	
726	0	141	13:09:25.600	117GC105A106A4BH	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5.524,609:06:0	
727	0	141	13:09:34.266	117GC105A106A4BI	7STRP	0.048037,0.0,0.0	Slew =-0.68	2R3	4	0	5.524,609:19:0	
728	0	141	13:10:48.933	117GC105A106A4BJ	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5.524,610:40:0	
729	0	141	13:10:57.600	117GC105A106A4BK	7STRP	0.048037,0.0,0.0	Slew =-0.68	2R3	4	0	5.524,610:53:0	
730	0	141	13:12:12.266	117GC105A106A4BL	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5.524,611:74:0	
731	0	141	13:12:20.933	117GC105A106A4BM	7STRP	0.048037,0.0,0.0	Slew =-0.68	2R3	4	0	5.524,611:87:0	
732	0	141	13:13:35.600	117GC105A106A4BN	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5.524,613:17:0	
733	0	141	13:13:44.266	117GC105A106A4BO	7STRP	0.048037,0.0,0.0	Slew =-0.68	2R3	4	0	5.524,613:30:0	
734	0	141	13:14:58.933	117GC105A106A4BP	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5.524,614:51:0	
735	0	141	13:15:07.600	117GC105A106A4BQ	7STRP	0.048037,0.0,0.0	Slew =-0.68	2R3	4	0	5.524,614:64:0	
736	0	141	13:16:22.266	117GC105A106A4BR	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5.524,615:85:0	
737	0	141	13:16:30.933	117GC105A106A4BS	7STRP	0.048037,0.0,0.0	Slew =-0.68	2R3	4	0	5.524,616:07:0	
738	0	141	13:17:45.600	117GC105A106A4BT	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5.524,617:28:0	
739	0	141	13:17:54.266	117GC105A106A4BU	7STRP	0.048037,0.0,0.0	Slew =-0.68	2R3	4	0	5.524,617:41:0	
740	0	141	13:18:34.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5.524,618:11:0	
741	0	141	13:18:34.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5516.09 +/- 4	2R3	4	0	5.524,618:11:0	
742	0	141	13:18:36.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5516.21 +/- 4	2R3	4	0	5.524,618:13:1	
743	0	141	13:18:41.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5517.45 +/- 4	2R3	4	0	5.524,618:21:0	
744	0	141	13:18:42.800		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5517.51 +/- 4	2R3	4	0	5.524,618:22:8	
745	0	141	13:18:44.200		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *5517.39 +/- 4	2R3	4	0	5.524,618:24:9	
746	0	141	13:18:59.600		DMS:	: *RECORD	R7, TRACK 2, REV, TIC *5513.78 +/- 4	2R3	4	0	5.524,618:48:0	
747	0	141	13:19:08.933	117GC105A106A4BV	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5.524,618:62:0	
748	0	141	13:19:17.600	117GC105A106A4BW	7STRP	0.048037,0.0,0.0	Slew =-0.68	2R3	4	0	5.524,618:75:0	
749	0	141	13:19:22.266	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5.524,618:82:0	
750	0	141	13:19:22.266		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *5508.47 +/- 4	2R3	4	0	5.524,618:82:0	
751	0	141	13:19:23.466		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5508.41 +/- 4	2R3	4	0	5.524,618:83:8	
752	0	141	13:20:32.266	117GC105A106A4BX	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5.524,620:05:0	
753	0	141	13:20:40.933	117GC105A106A4BY	7STRP	0.048037,0.0,0.0	Slew =-0.68	2R3	4	0	5.524,620:18:0	
754	0	141	13:21:55.600	117GC105A106A4BZ	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5.524,621:39:0	
755	0	141	13:22:04.266	117GC105A106A4CA	7STRP	0.048037,0.0,0.0	Slew =-0.68	2R3	4	0	5.524,621:52:0	
756	0	141	13:23:18.933	117GC105A106A4CB	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5.524,622:73:0	
757	0	141	13:23:27.600	117GC105A106A4CC	7STRP	0.048037,0.0,0.0	Slew =-0.68	2R3	4	0	5.524,622:86:0	
758	0	141	13:24:42.266	117GC105A106A4CD	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5.524,624:16:0	
759	0	141	13:24:50.933	117GC105A106A4CE	7STRP	0.048037,0.0,0.0	Slew =-0.68	2R3	4	0	5.524,624:29:0	
760	0	141	13:26:05.600	117GC105A106A4CF	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5.524,625:50:0	
761	0	141	13:26:14.266	117GC105A106A4CG	7STRP	0.048037,0.0,0.0	Slew =-0.68	2R3	4	0	5.524,625:63:0	
762	0	141	13:27:28.933	117GC105A106A4CH	7STRP	-0.048037,0.0012	Slew =12.01	2R3	4	0	5.524,626:84:0	
763	0	141	13:27:37.600	117GC105A106A4CI	7STRP	0.048037,0.0,0.0	Slew =-0.68	2R3	4	0	5.524,627:06:0	
764	0	141	13:28:52.266	117GC11A	CSMOS	GE	***** GROUP END CSMOS	2R3	4	0	5.524,628:27:0	
765	0	141	13:29:34.933	165GD4A	7SCAN	NORM,294.375,-23	Check S/P Position	2R3	4	0	5.524,628:90:0	
766	0	141	13:30:22.933	176GC6B	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5.524,629:72:0	
767	0	141	13:30:24.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5.524,629:75:0	
768	0	141	13:30:24.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5508.41 +/- 4	2R3	4	0	5.524,629:75:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
769	0	141	13:30:26.333		DMS:	:US_AT_SP	P7, TRACK 1, FWD, TIC *5508.53 +/- 4	2R3	4	0	5,524,629:77-1	
770	0	141	13:30:31.600		DMS:	:US_RD	P7, TRACK 1, FWD, TIC *5509.76 +/- 4	2R3	4	0	5,524,629:85:0	
771	0	141	13:30:32.800		DMS:	:RUNUP	R7, TRACK *2, *REV, TIC *5509.82 +/- 4	2R3	4	0	5,524,629:86:8	
772	0	141	13:30:34.200		DMS:	:AT_SPD	R7, TRACK 2, REV, TIC *5509.70 +/- 4	2R3	4	0	5,524,629:88:9	
773	0	141	13:30:34.933		DMS:	:RECORD	R7, TRACK 2, REV, TIC *5509.53 +/- 4	2R3	4	0	5,524,629:90:0	
774	0	141	13:30:55.600	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,524,630:30:0	
775	0	141	13:30:55.600		DMS:	:RUNDOWN	R7, TRACK 2, REV, TIC *5504.68 +/- 4	2R3	4	0	5,524,630:30:0	
776	0	141	13:30:56.800		DMS:	:READY	RDY, TRACK 2, REV, TIC *5504.62 +/- 4	2R3	4	0	5,524,630:31:8	
777	0	141	13:33:37.600	176GD6A	6TMREC	BPT	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	5,524,633:00:0	
778	0	141	13:34:28.933	117GD	CSMOS	GS	**** GROUP START CSMOS	2R3	4	0	5,524,633:77:0	
779	0	141	13:34:38.266	117GD105A106A4A	7STRP	0.001,-0.0062,0,	Slew =-0.38	2R3	4	0	5,524,634:00:0	
780	0	141	13:34:59.600	117GD11A	CSMOS	GE	**** GROUP END CSMOS	2R3	4	0	5,524,634:32:0	
781	0	141	13:37:09.600	176GD6B	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5,524,636:45:0	
782	0	141	13:37:11.600		DMS:	:US-RUNUP	P7, TRACK *1, *FWD, TIC 5504.62 +/- 4	2R3	4	0	5,524,636:48:0	
783	0	141	13:37:11.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,524,636:48:0	
784	0	141	13:37:13.000		DMS:	:US_AT_SP	P7, TRACK 1, FWD, TIC *5504.74 +/- 4	2R3	4	0	5,524,636:50:1	
785	0	141	13:37:18.266		DMS:	:US_RD	P7, TRACK 1, FWD, TIC *5505.98 +/- 4	2R3	4	0	5,524,636:50:1	
786	0	141	13:37:19.466		DMS:	:RUNUP	R7, TRACK *2, *REV, TIC *5506.04 +/- 4	2R3	4	0	5,524,636:59:8	
787	0	141	13:37:20.866		DMS:	:AT_SPD	R7, TRACK 2, REV, TIC *5505.92 +/- 4	2R3	4	0	5,524,636:61:9	
788	0	141	13:37:21.600		DMS:	:RECORD	R7, TRACK 2, REV, TIC *5505.75 +/- 4	2R3	4	0	5,524,636:63:0	
789	0	141	13:37:33.600	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,524,636:81:0	
790	0	141	13:37:33.600		DMS:	:RUNDOWN	R7, TRACK 2, REV, TIC *5502.93 +/- 4	2R3	4	0	5,524,636:81:0	
791	0	141	13:37:34.800		DMS:	:READY	RDY, TRACK 2, REV, TIC *5502.87 +/- 4	2R3	4	0	5,524,636:82:8	
792	0	141	14:00:00.266	481UC4A	7VECT		Inert vect update UTC	2R3	4	0	5,524,659:08:0	
793	0	141	14:45:00.266	480SB6A	6MROH	44,23E8,0,A2	read from LLM2A44:23E8,0,A2	2R3	4	0	5,524,703:54:0	
794	0	141	14:51:40.266	480SB6B	6MROH	45,23E8,0,B2	read from LLM2B45:23E8,0,B2	2R3	4	0	5,524,710:17:0	
795	0	141	14:53:29.600	165GE4A	7SCAN	NORM,301.957996,	Check S/P Position	2R3	4	0	5,524,711:90:0	
796	0	141	14:57:32.933	176GE6A	6TMREC	BPT	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	5,524,716:00:0	
797	0	141	14:58:24.266	117GE	CSMOS	GS	**** GROUP START CSMOS	2R3	4	0	5,524,716:77:0	
798	0	141	14:58:33.600	117GE105A106A4A	7STRP	0.001,-0.006,0,0	Slew =-0.38	2R3	4	0	5,524,717:00:0	
799	0	141	14:58:54.933	117GE11A	CSMOS	GE	**** GROUP END CSMOS	2R3	4	0	5,524,717:32:0	
800	0	141	15:01:04.933	176GE6B	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5,524,719:45:0	
801	0	141	15:01:06.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,524,719:48:0	
802	0	141	15:01:06.933		DMS:	:US-RUNUP	P7, TRACK *1, *FWD, TIC 5502.87 +/- 4	2R3	4	0	5,524,719:48:0	
803	0	141	15:01:08.333		DMS:	:US_AT_SP	P7, TRACK 1, FWD, TIC *5502.99 +/- 4	2R3	4	0	5,524,719:50:1	
804	0	141	15:01:13.600		DMS:	:US_RD	P7, TRACK 1, FWD, TIC *5504.23 +/- 4	2R3	4	0	5,524,719:58:0	
805	0	141	15:01:14.800		DMS:	:RUNUP	R7, TRACK *2, *REV, TIC *5504.29 +/- 4	2R3	4	0	5,524,719:59:8	
806	0	141	15:01:16.200		DMS:	:AT_SPD	R7, TRACK 2, REV, TIC *5504.17 +/- 4	2R3	4	0	5,524,719:61:9	
807	0	141	15:01:16.933		DMS:	:RECORD	R7, TRACK 2, REV, TIC *5504.00 +/- 4	2R3	4	0	5,524,719:63:0	
808	0	141	15:01:28.933		DMS:	:RUNDOWN	R7, TRACK 2, REV, TIC *5501.18 +/- 4	2R3	4	0	5,524,719:81:0	
809	0	141	15:01:28.933	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,524,719:81:0	
810	0	141	15:01:30.133		DMS:	:READY	RDY, TRACK 2, REV, TIC *5501.12 +/- 4	2R3	4	0	5,524,719:82:8	
811	0	141	15:28:36.933	488AH6A	6TMSED	FILL,AL1	Sci. Eng. and D/L Chan	2R3	4	0	5,524,746:66:0	
812	0	141	16:02:19.600	28NNGLOBAL01-		-----START-----		2R3	4	0	:	:
813	0	141	16:03:01.600	20DD5A	37PL		Program Load (halts microprocessor & unwri	4	0	5,524,780:69:0		
814	0	141	16:03:08.933	20DD5B	37MRL		Memory Realocate (software operates from R	4	0	5,524,780:80:0		
815	0	141	16:03:15.600	165DD4A	7SCAN	NORM,62.894,23.3	Check S/P Position	4	0	5,524,780:90:0		
816	0	141	16:03:16.933	20DD6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7	4	0	5,524,781:01:0		
817	0	141	16:03:26.933	20DD6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D	4	0	5,524,781:16:0		
818	0	141	16:03:36.933	20DD5C	37IRT		Instrument Reset (goes into POR state)	4	0	5,524,781:31:0		
819	0	141	16:03:38.266	20DD5D	37MN		Memory Normal (software operates from ROM)	260	4	0	5,524,781:33:0	
820	0	141	16:04:09.600	20DD4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	5,524,781:80:0	
821	0	141	16:04:20.933	28NNGLOBAL01-		-----STOP-----		2R0	4	0	:	:
822	0	141	16:04:20.933	28NNGLOBAL01		-----START-----		2R0	4	0	:	:
823	0	141	16:05:12.933	125DD4A	37IST	0,2,0,OFF,0,1,0	Gain State 2	2R0	4	0	5,524,782:84:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
824	0	141	16:05:12.933	125DD11A	NIM5INIT	GE	##### GROUP END INIT	2R0	4	0	5.524,782.84:0	
825	0	141	16:05:12.933	125DD	NIM5INIT	GS	##### GROUP START INIT	2R0	4	0	5.524,782.84:0	
826	0	141	16:06:13.600	127DD4A	37IOP	3.0	Long Map, Grating Start Position =00	2R3	4	0	5.524,783.84:0	
827	0	141	16:06:13.600	127DD	NIM5TAB	GS	%%%% GROUP START TAB	2R3	4	0	5.524,783.84:0	
828	0	141	16:06:14.266	127DD4B	37ETB	04,C4,35,FF,FF	Loads wavelength edit table	2R3	4	0	5.524,783.85:0	
829	0	141	16:06:22.266	127DD11A	NIM5TAB	GE	%%%% GROUP END TAB	2R3	4	0	5.524,784.06:0	
830	0	141	16:07:09.600	117DD	CSMOS	GS	**** GROUP START CSMOS	2R3	4	0	5.524,784.77:0	
831	0	141	16:07:18.933	117DD105A106A4A	7STRP	0.027007,0.0,0.0	Slew =-0.03	2R3	4	0	5.524,785.00:0	
832	0	141	16:22:28.933	117DD105A106A4B	7STRP	-0.027007,0.0070	Slew =12.01	2R3	4	0	5.524,800.00:0	
833	0	141	16:22:43.600	117DD105A106A4C	7STRP	0.027007,0.0,0.0	Slew =-0.03	2R3	4	0	5.524,800.22:0	
834	0	141	16:23:14.933	175DD422A6A	6DMSC	R28.0	DMS Control Tape runup 28.8kbp	2R3	4	0	5.524,800.69:0	
835	0	141	16:23:14.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5501.12 +/- 4	2R3	4	0	5.524,800.69:0	
836	0	141	16:23:16.333		DMS:	: *US AT SP	P7, TRACK 1, FWD, TIC *5501.24 +/- 4	2R3	4	0	5.524,800.71:1	
837	0	141	16:23:21.600		DMS:	: *US RD	P7, TRACK 1, FWD, TIC *5502.48 +/- 4	2R3	4	0	5.524,800.79:0	
838	0	141	16:23:22.800		DMS:	: *RUNUP	R28, TRACK *2, *REV, TIC *5502.54 +/- 4	2R3	4	0	5.524,800.80:8	
839	0	141	16:23:26.266	175DD176A6A	6TMREC	MPW	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	5.524,800.86:0	
840	0	141	16:23:26.800		DMS:	: *AT SPD	R28, TRACK 2, REV, TIC 5501.04 +/- 4	2R3	4	0	5.524,800.86:8	
841	0	141	16:23:26.800		DMS:	: *RECORD	R28, TRACK 2, REV, TIC *5501.04 +/- 4	2R3	4	0	5.524,800.86:8	
842	0	141	16:23:26.933	28NGLOBAL01-	NIMPBK	301DD	GANYMEDE GLOBAL OBSERVATION	2R3	4	0	:	:
843	0	141	16:27:21.600	28NGLOBAL01-	NIMPBK	301DM	GANYMEDE GLOBAL OBSERVATION	2R3	4	0	:	:
844	0	141	16:27:31.600	28NGLOBAL01-	DESEL	300DM	GANYMEDE GLOBAL OBSERVATION	2R3	4	0	:	:
845	0	141	16:29:18.266	28NGLOBAL01-	NIMPBK	301ED	GANYMEDE GLOBAL OBSERVATION	2R3	4	0	:	:
846	0	141	16:29:26.933	28NGLOBAL01-	DESEL	300DD	GANYMEDE GLOBAL OBSERVATION	2R3	4	0	:	:
847	0	141	16:33:16.800	28NGLOBAL01-	NIMPBK	301ET	GANYMEDE GLOBAL OBSERVATION	2R3	4	0	:	:
848	0	141	16:33:28.333	28NGLOBAL01-	DESEL	300ET	GANYMEDE GLOBAL OBSERVATION	2R3	4	0	:	:
849	0	141	16:35:26.933	28NGLOBAL01-	DESEL	300ED	GANYMEDE GLOBAL OBSERVATION	2R3	4	0	:	:
850	0	141	16:35:29.600	175DD422A6B	6DMSC	RDY.0	DMS Control Tape stop	2R3	4	0	5.524,812.79:0	
851	0	141	16:35:29.600		DMS:	: *RUNDOWN	R28, TRACK 2, REV, TIC *4865.77 +/- 4	2R3	4	0	5.524,812.79:0	
852	0	141	16:35:30.800		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4865.47 +/- 4	2R3	4	0	5.524,812.80:8	
853	0	141	16:37:53.600	117DD105A106A4D	7STRP	-0.027007,0.0070	Slew =12.01	2R3	4	0	5.524,815.22:0	
854	0	141	16:38:08.266	117DD105A106A4E	7STRP	0.027007,0.0,0.0	Slew =-0.03	2R3	4	0	5.524,815.44:0	
855	0	141	16:53:18.266	117DD11A	CSMOS	GE	**** GROUP END CSMOS	2R3	4	0	5.524,830.44:0	
856	0	141	16:53:48.933	165GF4A	7SCAN	NORM:314.153999,	Check S/P Position	2R3	4	0	5.524,830.90:0	
857	0	141	16:53:53.600	28NGLOBAL01	-----STOP-----			2R3	4	0	:	:
858	0	141	16:57:52.266	176GF6A	6TMREC	BPT	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	5.524,835.00:0	
859	0	141	16:58:43.600	117GF	CSMOS	GS	**** GROUP START CSMOS	2R3	4	0	5.524,835.77:0	
860	0	141	16:58:52.933	117GF105A106A4A	7STRP	0.001,-0.006,0.0	Slew =0.38	2R3	4	0	5.524,836.00:0	
861	0	141	16:59:14.266	117GF11A	CSMOS	GE	**** GROUP END CSMOS	2R3	4	0	5.524,836.32:0	
862	0	141	17:01:24.266	176GF6B	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5.524,838.45:0	
863	0	141	17:01:26.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4865.47 +/- 4	2R3	4	0	5.524,838.48:0	
864	0	141	17:01:26.266	50ZZ6XX	6DMSC	R7.0	DMS Control Tape runup 7.68kps	2R3	4	0	5.524,838.48:0	
865	0	141	17:01:27.666		DMS:	: *US AT SP	P7, TRACK 1, FWD, TIC *4865.59 +/- 4	2R3	4	0	5.524,838.50:1	
866	0	141	17:01:32.933		DMS:	: *US RD	P7, TRACK 1, FWD, TIC *4866.82 +/- 4	2R3	4	0	5.524,838.58:0	
867	0	141	17:01:34.133		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4866.88 +/- 4	2R3	4	0	5.524,838.59:8	
868	0	141	17:01:35.533		DMS:	: *AT SPD	R7, TRACK 2, REV, TIC *4866.76 +/- 4	2R3	4	0	5.524,838.61:9	
869	0	141	17:01:36.266		DMS:	: *RECORD	R7, TRACK 2, REV, TIC *4866.59 +/- 4	2R3	4	0	5.524,838.63:0	
870	0	141	17:01:48.266		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *4866.78 +/- 4	2R3	4	0	5.524,838.81:0	
871	0	141	17:01:48.266	50ZZ6RD	6DMSC	RDY.0	DMS Control Tape stop	2R3	4	0	5.524,838.81:0	
872	0	141	17:01:49.466		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4863.72 +/- 4	2R3	4	0	5.524,838.82:8	
873	0	141	17:04:56.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4863.72 +/- 4	2R3	4	0	5.524,842.00:0	
874	0	141	17:04:56.933	411JF6A	6DMSC	R7.0	DMS Control Tape runup 7.68kps	2R3	4	0	5.524,842.00:0	
875	0	141	17:04:58.333		DMS:	: *US AT SP	P7, TRACK 1, FWD, TIC *4863.84 +/- 4	2R3	4	0	5.524,842.02:1	
876	0	141	17:05:03.600		DMS:	: *US RD	P7, TRACK 1, FWD, TIC *4865.07 +/- 4	2R3	4	0	5.524,842.10:0	
877	0	141	17:05:04.800		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4865.13 +/- 4	2R3	4	0	5.524,842.11:8	
878	0	141	17:05:06.200		DMS:	: *RECORD	R7, TRACK 2, REV, TIC *4865.01 +/- 4	2R3	4	0	5.524,842.13:9	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
879	0	141	17:05:06.200		DMS:	:*AT_SPD	R7, TRACK 2, REV, TIC, 4865.01 +/- 4	2R3	4	0	5,524,842:13:9	
880	0	141	17:05:06.933	411JF6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,524,842:15:0	
881	0	141	17:07:08.266	411JF6C	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5,524,844:15:0	
882	0	141	17:07:10.933	175TM176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	5,524,844:19:0	
883	0	141	17:07:11.600	175TM422A6A	6DMSC	RDY,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,524,844:20:0	
884	0	141	17:07:18.266	175TM422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,524,844:30:0	
885	0	141	17:07:18.266		DMS:	:*RUNDOWN	R7, TRACK 2, REV, TIC *4834.06 +/- 4	2R3	4	0	5,524,844:30:0	
886	0	141	17:07:19.466		DMS:	:*READY	RDY, TRACK 2, REV, TIC *4834.00 +/- 4	2R3	4	0	5,524,844:31:8	
887	0	141	18:54:08.266	165GH4A	7SCAN	NORM,327.709,-14	Check S/P Position	2R3	4	0	5,524,949:90:0	
888	0	141	18:58:11.600	176GH6A	6TMREC	BPT	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	5,524,954:00:0	
889	0	141	18:59:02.933	117GH	CSMOS	GS	***** GROUP START CSMOS	2R3	4	0	5,524,954:77:0	
890	0	141	18:59:12.266	117GH105A106A4A	7STRP	0.001,-0.007,0,0	Slew = 0.42	2R3	4	0	5,524,955:00:0	
891	0	141	18:59:33.600	117GH11A	CSMOS	GE	***** GROUP END CSMOS	2R3	4	0	5,524,955:32:0	
892	0	141	19:01:43.600	176GH6B	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5,524,957:45:0	
893	0	141	19:01:45.600	50ZZ6XX	6DMSC	RDY,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,524,957:48:0	
894	0	141	19:01:45.600		DMS:	:*US-RUNUP	P7, TRACK *1, *FWD, TIC 4834.00 +/- 4	2R3	4	0	5,524,957:48:0	
895	0	141	19:01:47.000		DMS:	:*US AT SP	P7, TRACK 1, FWD, TIC *4834.12 +/- 4	2R3	4	0	5,524,957:50:1	
896	0	141	19:01:52.266		DMS:	:*US RD	P7, TRACK 1, FWD, TIC *4835.35 +/- 4	2R3	4	0	5,524,957:58:0	
897	0	141	19:01:53.466		DMS:	:*RUNUP	R7, TRACK *2, *REV, TIC *4835.41 +/- 4	2R3	4	0	5,524,957:59:8	
898	0	141	19:01:54.866		DMS:	:*AT_SPD	R7, TRACK 2, REV, TIC *4835.29 +/- 4	2R3	4	0	5,524,957:61:9	
899	0	141	19:01:55.600		DMS:	:*RECORD	R7, TRACK 2, REV, TIC *4835.12 +/- 4	2R3	4	0	5,524,957:63:0	
900	0	141	19:02:07.600	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,524,957:81:0	
901	0	141	19:02:07.600		DMS:	:*RUNDOWN	R7, TRACK 2, REV, TIC *4832.31 +/- 4	2R3	4	0	5,524,957:81:0	
902	0	141	19:02:08.800		DMS:	:*READY	RDY, TRACK 2, REV, TIC *4832.25 +/- 4	2R3	4	0	5,524,957:82:8	
903	0	141	20:53:26.933	165GI4A	7SCAN	NORM:341,907997,	Check S/P Position	2R3	4	0	5,525,067:90:0	
904	0	141	20:57:30.266	176GI6A	6TMREC	BPT	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	5,525,072:00:0	
905	0	141	20:58:21.600	117GI	CSMOS	GS	***** GROUP START CSMOS	2R3	4	0	5,525,072:77:0	
906	0	141	20:58:30.933	117GI105A106A4A	7STRP	0.001,-0.0069,0,	Slew = 0.42	2R3	4	0	5,525,073:00:0	
907	0	141	20:58:52.266	117GI11A	CSMOS	GE	***** GROUP END CSMOS	2R3	4	0	5,525,073:32:0	
908	0	141	21:01:02.266	176GI6B	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5,525,075:45:0	
909	0	141	21:01:04.266	50ZZ6XX	6DMSC	RDY,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,525,075:48:0	
910	0	141	21:01:04.266		DMS:	:*US-RUNUP	P7, TRACK *1, *FWD, TIC 4832.25 +/- 4	2R3	4	0	5,525,075:48:0	
911	0	141	21:01:05.666		DMS:	:*US AT SP	P7, TRACK 1, FWD, TIC *4832.37 +/- 4	2R3	4	0	5,525,075:50:1	
912	0	141	21:01:10.933		DMS:	:*US RD	P7, TRACK 1, FWD, TIC *4833.60 +/- 4	2R3	4	0	5,525,075:58:0	
913	0	141	21:01:12.133		DMS:	:*RUNUP	R7, TRACK *2, *REV, TIC *4833.66 +/- 4	2R3	4	0	5,525,075:59:8	
914	0	141	21:01:13.533		DMS:	:*AT_SPD	R7, TRACK 2, REV, TIC *4833.54 +/- 4	2R3	4	0	5,525,075:61:9	
915	0	141	21:01:14.266		DMS:	:*RECORD	R7, TRACK 2, REV, TIC *4833.37 +/- 4	2R3	4	0	5,525,075:63:0	
916	0	141	21:01:26.266		DMS:	:*RUNDOWN	R7, TRACK 2, REV, TIC *4830.56 +/- 4	2R3	4	0	5,525,075:81:0	
917	0	141	21:01:26.266	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,525,075:81:0	
918	0	141	21:01:27.466		DMS:	:*READY	RDY, TRACK 2, REV, TIC *4830.50 +/- 4	2R3	4	0	5,525,075:82:8	
919	0	141	21:16:54.266	488AH6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,525,091:17:0	
920	0	141	21:18:12.933	488AH6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,525,092:44:0	
921	0	141	21:52:10.266	28NNECLPSE01-		-----START-----		2R3	4	0	:	:
922	0	141	21:52:52.266	20DE5A	37PL		Program Load (halts microprocessor & unwri	4	0	5,525,126:69:0		
923	0	141	21:52:59.600	20DE5B	37MRL		Memory Reallocate (software operates from R	4	0	5,525,126:80:0		
924	0	141	21:53:07.600	20DE6A	6MCOPI	NIMS	NIMS,1000,LLM1A,7300,77F7	4	0	5,525,127:01:0		
925	0	141	21:53:17.600	20DE6B	6MCOPI	NIMS	NIMS,1598,LLM1A,77F8,781D	4	0	5,525,127:16:0		
926	0	141	21:53:27.600	20DE5C	37IRT		Instrument Reset (goes into POR state)	4	0	5,525,127:31:0		
927	0	141	21:53:28.933	20DE5D	37MNI		Memory Normal (software operates from ROM)	260	4	0	5,525,127:33:0	
928	0	141	21:54:00.266	20DE4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	5,525,127:80:0	
929	0	141	21:54:11.599	28NNECLPSE01		-----START-----		2R0	4	0	:	:
930	0	141	21:54:11.599	28NNECLPSE01-		-----STOP-----		2R0	4	0	:	:
931	0	141	21:55:03.600	125DE	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,525,128:84:0	
932	0	141	21:55:03.600	125DE11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,525,128:84:0	
933	0	141	21:55:03.600	125DE4A	37IST	0,2,0,OFF,0,1,1	Gain State 4	4R0	4	0	5,525,128:84:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
934	0	141	21:59:06.266	127DE4A	37IOP	3.0	Long Map, Grating Start Position =00	4R3	4	0	5,525,132:84:0	
935	0	141	21:59:06.266	127DE	NIMSTAB	GS	%%%%GROUP START TAB	4R3	4	0	5,525,132:84:0	
936	0	141	21:59:06.933	127DE4B	37ETB	04,C4,35,FF,FF	Loads wavelength edit table	4R3	4	0	5,525,132:85:0	
937	0	141	21:59:10.266	165DE4A	7SCAN	NORM,350.103996,	Check S/P Position	4R3	4	0	5,525,132:90:0	
938	0	141	21:59:14.933	127DE11A	NIMSTAB	GE	%%%%GROUP END TAB	4R3	4	0	5,525,133:06:0	
939	0	141	22:03:04.266	117DE	CSMOS	GS	***** GROUP START CSMOS	4R3	4	0	5,525,136:77:0	
940	0	141	22:03:12.266	165DE4B	7VECT		Inert vect update UTC	4R3	4	0	5,525,136:89:0	
941	0	141	22:03:13.600	117DE105A106A4A	7STRP	-0.0106,0,0,0,0,	Slew =-0.03	4R3	4	0	5,525,137:00:0	
942	0	141	22:05:00.266	175DE422A6A	6DMSC	R28.0	DMS Control Tape runup 28.8kbp	4R3	4	0	5,525,138:69:0	
943	0	141	22:05:00.266		DMS:	:*US-RUNUP	P7, TRACK *1, *FWD, TIC *4830.50 +/- 4	4R3	4	0	5,525,138:69:0	
944	0	141	22:05:01.666		DMS:	:*US_AT_SP	P7, TRACK 1, FWD, TIC *4830.62 +/- 4	4R3	4	0	5,525,138:71:1	
945	0	141	22:05:06.933		DMS:	:*US_RD	P7, TRACK 1, FWD, TIC *4831.85 +/- 4	4R3	4	0	5,525,138:71:1	
946	0	141	22:05:08.133		DMS:	:*RUNUP	R28, TRACK *2, *REV, TIC *4831.91 +/- 4	4R3	4	0	5,525,138:80:8	
947	0	141	22:05:11.600	175DE176A6A	6TMREC	MPW	28.8 KBPS PWS + NIMS RECORD Record Mode C	4R3	4	0	5,525,138:86:0	
948	0	141	22:05:12.133		DMS:	:*AT_SPD	R28, TRACK 2, REV, TIC *4830.41 +/- 4	4R3	4	0	5,525,138:86:8	
949	0	141	22:05:12.133		DMS:	:*RECORD	R28, TRACK 2, REV, TIC *4830.41 +/- 4	4R3	4	0	5,525,138:86:8	
950	0	141	22:05:12.266	28ENECLPSE01-	NIMPBK	301DE	EUROPA ECLIPSE OBSERVATION	4R3	4	0	:	:
951	0	141	22:06:04.933	28ENECLPSE01-	NIMPBK	301DN	EUROPA ECLIPSE OBSERVATION	4R3	4	0	:	:
952	0	141	22:06:12.266	28ENECLPSE01-	DESEL	300DN	EUROPA ECLIPSE OBSERVATION	4R3	4	0	:	:
953	0	141	22:06:12.266	28ENECLPSE01-	DESEL	300DE	EUROPA ECLIPSE OBSERVATION	4R3	4	0	:	:
954	0	141	22:06:14.933		DMS:	:*RUNDOWN	R28, TRACK 2, REV, TIC *4775.22 +/- 4	4R3	4	0	5,525,139:90:0	
955	0	141	22:06:14.933	175DE422A6B	6DMSC	RDY.0	DMS Control Tape stop	4R3	4	0	5,525,139:90:0	
956	0	141	22:06:16.133		DMS:	:*READY	RDY, TRACK 2, REV, TIC *4774.92 +/- 4	4R3	4	0	5,525,142:86:0	
957	0	141	22:09:14.266	117DE11A	CSMOS	GE	***** GROUP END CSMOS	4R3	4	0	5,525,142:86:0	
958	0	141	22:09:21.599	28ENECLPSE01			-----STOP-----	4R3	4	0	:	:
959	0	141	22:30:00.266	480SC6A	6MROH	44,23E8,0,A2	read from LLM2A44,23E8,0,A2	4R3	4	0	5,525,163:44:0	
960	0	141	22:36:40.266	480SC6B	6MROH	45,23E8,0,B2	read from LLM2B45,23E8,0,B2	4R3	4	0	5,525,170:07:0	
961	0	141	22:52:45.600	165GK4A	7SCAN	NORM:356.181999,	Check S/P Position	4R3	4	0	5,525,185:90:0	
962	0	141	22:56:48.933	176GK6A	6TMREC	BPT	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	5,525,190:00:0	
963	0	141	22:57:40.266	117GK	CSMOS	GS	***** GROUP START CSMOS	4R3	4	0	5,525,190:77:0	
964	0	141	22:57:49.600	117GK105A106A4A	7STRP	0.001,-0.006,0,0	Slew =-0.07	4R3	4	0	5,525,191:00:0	
965	0	141	22:58:10.933	117GK11A	CSMOS	GE	***** GROUP END CSMOS	4R3	4	0	5,525,191:32:0	
966	0	141	23:00:20.933	176GK6B	6TMREC	NRC	NO RECORD Record Mode Change	4R3	4	0	5,525,193:45:0	
967	0	141	23:00:22.933		DMS:	:*US-RUNUP	P7, TRACK *1, *FWD, TIC *4774.92 +/- 4	4R3	4	0	5,525,193:48:0	
968	0	141	23:00:22.933	50ZZ6XX	6DMSC	RDY.0	DMS Control Tape runup 7.68kps	4R3	4	0	5,525,193:48:0	
969	0	141	23:00:24.933		DMS:	:*US_AT_SP	P7, TRACK 1, FWD, TIC *4775.04 +/- 4	4R3	4	0	5,525,193:50:1	
970	0	141	23:00:29.600		DMS:	:*US_RD	P7, TRACK 1, FWD, TIC *4776.27 +/- 4	4R3	4	0	5,525,193:58:0	
971	0	141	23:00:30.800		DMS:	:*RUNUP	R7, TRACK *2, *REV, TIC *4776.33 +/- 4	4R3	4	0	5,525,193:59:8	
972	0	141	23:00:32.200		DMS:	:*AT_SPD	R7, TRACK 2, REV, TIC *4776.21 +/- 4	4R3	4	0	5,525,193:61:9	
973	0	141	23:00:32.933		DMS:	:*RECORD	R7, TRACK 2, REV, TIC *4776.04 +/- 4	4R3	4	0	5,525,193:63:0	
974	0	141	23:00:44.933		DMS:	:*RUNDOWN	R7, TRACK 2, REV, TIC *4773.23 +/- 4	4R3	4	0	5,525,193:81:0	
975	0	141	23:00:44.933	50ZZ6RE	6DMSC	RDY.0	DMS Control Tape stop	4R3	4	0	5,525,193:81:0	
976	0	141	23:00:46.133		DMS:	:*READY	RDY, TRACK 2, REV, TIC *4773.17 +/- 4	4R3	4	0	5,525,193:82:8	
977	0	141	23:05:36.933	488AI6A	6TMSED	NORM,AL1	Sci. Eng. and D/L Chan	4R3	4	0	5,525,198:64:0	
978	0	142	00:08:36.266	411JG6A	6DMSC	RDY.0	DMS Control Tape runup 7.68kps	4R3	4	0	5,525,261:00:0	
979	0	142	00:08:36.266		DMS:	:*US-RUNUP	P7, TRACK *1, *FWD, TIC *4773.17 +/- 4	4R3	4	0	5,525,261:00:0	
980	0	142	00:08:37.666		DMS:	:*US_AT_SP	P7, TRACK 1, FWD, TIC *4773.29 +/- 4	4R3	4	0	5,525,261:02:1	
981	0	142	00:08:42.933		DMS:	:*US_RD	P7, TRACK 1, FWD, TIC *4774.52 +/- 4	4R3	4	0	5,525,261:10:0	
982	0	142	00:08:44.133		DMS:	:*RUNUP	R7, TRACK *2, *REV, TIC *4774.58 +/- 4	4R3	4	0	5,525,261:11:8	
983	0	142	00:08:45.533		DMS:	:*RECORD	R7, TRACK 2, REV, TIC *4774.46 +/- 4	4R3	4	0	5,525,261:13:9	
984	0	142	00:08:45.533		DMS:	:*AT_SPD	R7, TRACK 2, REV, TIC *4774.46 +/- 4	4R3	4	0	5,525,261:13:9	
985	0	142	00:08:46.266	411JG6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4R3	4	0	5,525,261:15:0	
986	0	142	00:10:47.600	411JG6C	6TMREC	NRC	NO RECORD Record Mode Change	4R3	4	0	5,525,263:15:0	
987	0	142	00:10:50.266	175TN176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4R3	4	0	5,525,263:19:0	
988	0	142	00:10:50.933	175TN422A6A	6DMSC	RDY.0	DMS Control Tape runup 7.68kps	4R3	4	0	5,525,263:20:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
989	0	142	00:10:57.600	175TN422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5.525,263:30:0	
990	0	142	00:10:57.600		DMS:	:*RUNDOWN	R7, TRACK 2, REV, TIC *4743.51 +/- 4	4R3	4	0	5.525,263:30:0	
991	0	142	00:10:58.800		DMS:	:*READY	RDY, TRACK 2, REV, TIC *4743.45 +/- 4	4R3	4	0	5.525,263:31:8	
992	0	142	00:53:04.933	165GL4A	7SCAN	NORM,10,009,4.63	Check S/P Position	4R3	4	0	5.525,304:90:0	
993	0	142	00:57:08.266	176GL6A	6TMREC	BPT	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	5.525,309:00:0	
994	0	142	00:57:59.600	117GL	CSMOS	GS	***** GROUP START CSMOS	4R3	4	0	5.525,309:77:0	
995	0	142	00:58:08.933	117GL105A106A4A	7STRP	0.001,-0.006,0,0	Slew = 0.61	4R3	4	0	5.525,310:00:0	
996	0	142	00:58:30.266	117GL11A	CSMOS	GE	***** GROUP END CSMOS	4R3	4	0	5.525,310:32:0	
997	0	142	01:00:40.266	176GL6B	6TMREC	NRC	NO RECORD Record Mode Change	4R3	4	0	5.525,312:45:0	
998	0	142	01:00:42.266	50ZZ6XX	6DMSC	RDY,0	DMS Control Tape runup 7.68kps	4R3	4	0	5.525,312:48:0	
999	0	142	01:00:42.266		DMS:	:*US-RUNUP	P7, TRACK *1, *FWD, TIC 4743.45 +/- 4	4R3	4	0	5.525,312:48:0	
1000	0	142	01:00:43.666		DMS:	:*US AT SP	P7, TRACK 1, FWD, TIC *4743.57 +/- 4	4R3	4	0	5.525,312:50:1	
1001	0	142	01:00:48.933		DMS:	:*US RD	P7, TRACK 1, FWD, TIC *4744.80 +/- 4	4R3	4	0	5.525,312:58:0	
1002	0	142	01:00:50.133		DMS:	:*RUNUP	R7, TRACK *2, *REV, TIC *4744.86 +/- 4	4R3	4	0	5.525,312:59:8	
1003	0	142	01:00:51.533		DMS:	:*AT SPD	R7, TRACK 2, REV, TIC *4744.74 +/- 4	4R3	4	0	5.525,312:61:9	
1004	0	142	01:00:52.266		DMS:	:*RECORD	R7, TRACK 2, REV, TIC *4744.57 +/- 4	4R3	4	0	5.525,312:63:0	
1005	0	142	01:01:04.266		DMS:	:*RUNDOWN	R7, TRACK 2, REV, TIC *4741.76 +/- 4	4R3	4	0	5.525,312:81:0	
1006	0	142	01:01:04.266	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5.525,312:81:0	
1007	0	142	01:01:05.466		DMS:	:*READY	RDY, TRACK 2, REV, TIC *4741.70 +/- 4	4R3	4	0	5.525,312:82:8	
1008	0	142	02:10:00.266	480SD6A	6MROH	44,23E8,0,A2	read from LLM2A44;23E8,0,A2	4R3	4	0	5.525,381:06:0	
1009	0	142	02:16:40.266	480SD6B	6MROH	45,23E8,0,B2	read from LLM2B45;23E8,0,B2	4R3	4	0	5.525,387:60:0	
1010	0	142	03:01:29.600	165GM4A	7SCAN	NORM,23.775,10.7	Check S/P Position	4R3	4	0	5.525,431:90:0	
1011	0	142	03:05:32.933	176GM6A	6TMREC	BPT	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	5.525,436:00:0	
1012	0	142	03:06:24.266	117GM	CSMOS	GS	***** GROUP START CSMOS	4R3	4	0	5.525,436:77:0	
1013	0	142	03:06:33.600	117GM105A106A4A	7STRP	0.001,-0.006001,	Slew = -0.99	4R3	4	0	5.525,437:00:0	
1014	0	142	03:06:54.933	117GM11A	CSMOS	GE	***** GROUP END CSMOS	4R3	4	0	5.525,437:32:0	
1015	0	142	03:09:04.933	176GM6B	6TMREC	NRC	NO RECORD Record Mode Change	4R3	4	0	5.525,439:45:0	
1016	0	142	03:09:06.933	50ZZ6XX	6DMSC	RDY,0	DMS Control Tape runup 7.68kps	4R3	4	0	5.525,439:48:0	
1017	0	142	03:09:06.933		DMS:	:*US-RUNUP	P7, TRACK *1, *FWD, TIC 4741.70 +/- 4	4R3	4	0	5.525,439:48:0	
1018	0	142	03:09:08.333		DMS:	:*US AT SP	P7, TRACK 1, FWD, TIC *4741.82 +/- 4	4R3	4	0	5.525,439:50:1	
1019	0	142	03:09:13.600		DMS:	:*US RD	P7, TRACK 1, FWD, TIC *4743.05 +/- 4	4R3	4	0	5.525,439:58:0	
1020	0	142	03:09:14.800		DMS:	:*RUNUP	R7, TRACK *2, *REV, TIC *4743.11 +/- 4	4R3	4	0	5.525,439:59:8	
1021	0	142	03:09:16.200		DMS:	:*AT SPD	R7, TRACK 2, REV, TIC *4742.99 +/- 4	4R3	4	0	5.525,439:61:9	
1022	0	142	03:09:16.933		DMS:	:*RECORD	R7, TRACK 2, REV, TIC *4742.82 +/- 4	4R3	4	0	5.525,439:63:0	
1023	0	142	03:09:28.933	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5.525,439:81:0	
1024	0	142	03:09:28.933		DMS:	:*RUNDOWN	R7, TRACK 2, REV, TIC *4740.01 +/- 4	4R3	4	0	5.525,439:81:0	
1025	0	142	03:09:30.133		DMS:	:*READY	RDY, TRACK 2, REV, TIC *4739.95 +/- 4	4R3	4	0	5.525,439:82:8	
1026	0	142	03:38:40.266	488A16B	6TMSED	FILL,AL1	Sci. Eng. and D/L Chan	4R3	4	0	5.525,468:69:0	
1027	0	142	04:08:13.600	165GN4A	7SCAN	NORM,30.543,13.4	Check S/P Position	4R3	4	0	5.525,497:90:0	
1028	0	142	04:12:16.933	176GN6A	6TMREC	BPT	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	5.525,502:00:0	
1029	0	142	04:13:08.266	117GN	CSMOS	GS	***** GROUP START CSMOS	4R3	4	0	5.525,502:77:0	
1030	0	142	04:13:17.600	117GN105A106A4A	7STRP	0.001,-0.006001,	Slew = -1.55	4R3	4	0	5.525,503:00:0	
1031	0	142	04:13:38.933	117GN11A	CSMOS	GE	***** GROUP END CSMOS	4R3	4	0	5.525,503:32:0	
1032	0	142	04:15:48.933	176GN6B	6TMREC	NRC	NO RECORD Record Mode Change	4R3	4	0	5.525,505:45:0	
1033	0	142	04:15:50.933	50ZZ6XX	6DMSC	RDY,0	DMS Control Tape runup 7.68kps	4R3	4	0	5.525,505:48:0	
1034	0	142	04:15:50.933		DMS:	:*US-RUNUP	P7, TRACK *1, *FWD, TIC 4739.95 +/- 4	4R3	4	0	5.525,505:48:0	
1035	0	142	04:15:52.333		DMS:	:*US AT SP	P7, TRACK 1, FWD, TIC *4740.07 +/- 4	4R3	4	0	5.525,505:50:1	
1036	0	142	04:15:57.600		DMS:	:*US RD	P7, TRACK 1, FWD, TIC *4741.30 +/- 4	4R3	4	0	5.525,505:58:0	
1037	0	142	04:15:58.800		DMS:	:*RUNUP	R7, TRACK *2, *REV, TIC *4741.36 +/- 4	4R3	4	0	5.525,505:59:8	
1038	0	142	04:16:00.200		DMS:	:*AT SPD	R7, TRACK 2, REV, TIC *4741.24 +/- 4	4R3	4	0	5.525,505:61:9	
1039	0	142	04:16:00.933		DMS:	:*RECORD	R7, TRACK 2, REV, TIC *4741.07 +/- 4	4R3	4	0	5.525,505:63:0	
1040	0	142	04:16:12.933	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5.525,505:81:0	
1041	0	142	04:16:12.933		DMS:	:*RUNDOWN	R7, TRACK 2, REV, TIC *4738.26 +/- 4	4R3	4	0	5.525,505:81:0	
1042	0	142	04:16:14.133		DMS:	:*READY	RDY, TRACK 2, REV, TIC *4738.20 +/- 4	4R3	4	0	5.525,505:82:8	
1043	0	142	04:16:18.933	165GO4A	7SCAN	NORM;332.271,-3.	Check S/P Position	4R3	4	0	5.525,505:90:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
1044	0	142	04:19:49.600	432OG431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4R3	4	0	5.525,509:42.0	
1045	0	142	04:19:50.266	432OG6A	6RTSL1		R/T Select of DDS and	4R3	4	0	5.525,509:43.0	
1046	0	142	04:20:22.266	176GO6A	6TMREC	BPT	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	5.525,510:00.0	
1047	0	142	04:21:13.600	117GO	CSMOS	GS	***** GROUP START CSMOS	4R3	4	0	5.525,510:77.0	
1048	0	142	04:21:22.933	117GO105A106A4A	7STRP		Slew = -0.21	4R3	4	0	5.525,511:00.0	
1049	0	142	04:37:34.933		DMS:	:*US-RUNUP	P7, TRACK *1, *FWD, TIC 4738.20 +/- 4	4R3	4	0	5.525,527:02.0	
1050	0	142	04:37:34.933		6DMSC	R7.0	DMS Control Tape runup 7.68kps	4R3	4	0	5.525,527:02.0	
1051	0	142	04:37:36.333		DMS:	:*US AT SP	P7, TRACK 1, FWD, TIC *4738.32 +/- 4	4R3	4	0	5.525,527:04.1	
1052	0	142	04:37:41.600		DMS:	:*US RD	P7, TRACK 1, FWD, TIC *4739.55 +/- 4	4R3	4	0	5.525,527:12.0	
1053	0	142	04:37:42.800		DMS:	:*RUNUP	R7, TRACK *2, *REV, TIC *4739.61 +/- 4	4R3	4	0	5.525,527:13.8	
1054	0	142	04:37:44.200		DMS:	:*AT_SPD	R7, TRACK 2, REV, TIC *4739.49 +/- 4	4R3	4	0	5.525,527:15.9	
1055	0	142	04:38:10.266		DMS:	:*RECORD	R7, TRACK 2, REV, TIC *4733.38 +/- 4	4R3	4	0	5.525,527:55.0	
1056	0	142	04:38:32.933	50ZZ6RE	6DMSC	RDY.0	DMS Control Tape stop	4R3	4	0	5.525,527:89.0	
1057	0	142	04:38:32.933		DMS:	:*RUNDOWN	R7, TRACK 2, REV, TIC *4728.07 +/- 4	4R3	4	0	5.525,527:89.0	
1058	0	142	04:38:34.133		DMS:	:*READY	RDY, TRACK 2, REV, TIC *4728.01 +/- 4	4R3	4	0	5.525,527:90.8	
1059	0	142	04:41:36.266	117GO11A	CSMOS	GE	***** GROUP END CSMOS	4R3	4	0	5.525,531:00.0	
1060	0	142	04:43:06.933	176GO6B	6TMREC	NRC	NO RECORD Record Mode Change	4R3	4	0	5.525,532:45.0	
1061	0	142	04:43:08.933	50ZZ6XX	6DMSC	R7.0	DMS Control Tape runup 7.68kps	4R3	4	0	5.525,532:48.0	
1062	0	142	04:43:08.933		DMS:	:*US-RUNUP	P7, TRACK *1, *FWD, TIC 4728.01 +/- 4	4R3	4	0	5.525,532:48.0	
1063	0	142	04:43:10.333		DMS:	:*US AT SP	P7, TRACK 1, FWD, TIC *4728.13 +/- 4	4R3	4	0	5.525,532:50.1	
1064	0	142	04:43:15.600		DMS:	:*US_RD	P7, TRACK 1, FWD, TIC *4729.36 +/- 4	4R3	4	0	5.525,532:50.1	
1065	0	142	04:43:16.800		DMS:	:*RUNUP	R7, TRACK *2, *REV, TIC *4729.42 +/- 4	4R3	4	0	5.525,532:59.8	
1066	0	142	04:43:18.200		DMS:	:*AT_SPD	R7, TRACK 2, REV, TIC *4729.30 +/- 4	4R3	4	0	5.525,532:61.9	
1067	0	142	04:43:18.933		DMS:	:*RECORD	R7, TRACK 2, REV, TIC *4729.13 +/- 4	4R3	4	0	5.525,532:63.0	
1068	0	142	04:43:31.600		DMS:	:*RUNDOWN	R7, TRACK 2, REV, TIC *4726.16 +/- 4	4R3	4	0	5.525,532:82.0	
1069	0	142	04:43:31.600	50ZZ6RD	6DMSC	RDY.0	DMS Control Tape stop	4R3	4	0	5.525,532:82.0	
1070	0	142	04:43:32.800		DMS:	:*READY	RDY, TRACK 2, REV, TIC *4726.10 +/- 4	4R3	4	0	5.525,532:83.8	
1071	0	142	04:43:36.933	165GP4A	7SCAN	NORM:336.676998,	Check S/P Position	4R3	4	0	5.525,532:90.0	
1072	0	142	04:47:40.266	176GP6A	6TMREC	BPT	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	5.525,537:00.0	
1073	0	142	04:48:31.600	117GP	CSMOS	GS	***** GROUP START CSMOS	4R3	4	0	5.525,537:77.0	
1074	0	142	04:48:40.933	117GP105A106A4A	7STRP	0.0,-0.029009,0,	Slew = 0.66	4R3	4	0	5.525,538:00.0	
1075	0	142	04:49:40.266	117GP105A106A4B	7STRP	0.003,0.029129,0,	Slew = 12.01	4R3	4	0	5.525,538:89.0	
1076	0	142	04:49:51.600	117GP105A106A4C	7STRP	0.0,-0.029009,0,	Slew = 0.66	4R3	4	0	5.525,539:15.0	
1077	0	142	04:50:50.933	117GP105A106A4D	7STRP	0.003,0.029129,0,	Slew = 12.01	4R3	4	0	5.525,540:13.0	
1078	0	142	04:51:02.266	117GP105A106A4E	7STRP	0.0,-0.029009,0,	Slew = 0.66	4R3	4	0	5.525,540:30.0	
1079	0	142	04:52:01.600	117GP105A106A4F	7STRP	0.003,0.029129,0,	Slew = 12.01	4R3	4	0	5.525,541:28.0	
1080	0	142	04:52:12.933	117GP105A106A4G	7STRP	0.0,-0.029009,0,	Slew = 0.66	4R3	4	0	5.525,541:45.0	
1081	0	142	04:53:12.266	117GP105A106A4H	7STRP	0.003,0.029129,0,	Slew = 12.01	4R3	4	0	5.525,542:43.0	
1082	0	142	04:53:23.600	117GP105A106A4I	7STRP	0.0,-0.029009,0,	Slew = 0.66	4R3	4	0	5.525,542:60.0	
1083	0	142	04:54:22.933	117GP105A106A4J	7STRP	0.003,0.029129,0,	Slew = 12.01	4R3	4	0	5.525,543:58.0	
1084	0	142	04:54:34.266	117GP105A106A4K	7STRP	0.0,-0.029009,0,	Slew = 0.66	4R3	4	0	5.525,543:75.0	
1085	0	142	04:55:33.600	117GP105A106A4L	7STRP	0.003,0.029129,0,	Slew = 12.01	4R3	4	0	5.525,544:73.0	
1086	0	142	04:55:44.933	117GP105A106A4M	7STRP	0.0,-0.029009,0,	Slew = 0.66	4R3	4	0	5.525,544:90.0	
1087	0	142	04:56:44.266	117GP105A106A4N	7STRP	0.003,0.029129,0,	Slew = 12.01	4R3	4	0	5.525,545:88.0	
1088	0	142	04:56:55.600	117GP105A106A4O	7STRP	0.0,-0.029009,0,	Slew = 0.66	4R3	4	0	5.525,546:14.0	
1089	0	142	04:57:54.933	117GP105A106A4P	7STRP	0.003,0.029129,0,	Slew = 12.01	4R3	4	0	5.525,547:12.0	
1090	0	142	04:58:06.266	117GP105A106A4Q	7STRP	0.0,-0.029009,0,	Slew = 0.66	4R3	4	0	5.525,547:29.0	
1091	0	142	04:59:05.600	117GP105A106A4R	7STRP	0.003,0.029129,0,	Slew = 12.01	4R3	4	0	5.525,548:27.0	
1092	0	142	04:59:16.933	117GP105A106A4S	7STRP	0.0,-0.029009,0,	Slew = 0.66	4R3	4	0	5.525,548:44.0	
1093	0	142	05:00:14.933		DMS:	:*US-RUNUP	P7, TRACK *1, *FWD, TIC 4726.10 +/- 4	4R3	4	0	5.525,549:40.0	
1094	0	142	05:00:14.933	50ZZ6XX	6DMSC	RDY.0	DMS Control Tape runup 7.68kps	4R3	4	0	5.525,549:40.0	
1095	0	142	05:00:16.266	117GP105A106A4T	7STRP	0.003,0.029129,0,	Slew = 12.01	4R3	4	0	5.525,549:42.0	
1096	0	142	05:00:16.333		DMS:	:*US AT SP	P7, TRACK 1, FWD, TIC *4726.22 +/- 4	4R3	4	0	5.525,549:42.1	
1097	0	142	05:00:21.600		DMS:	:*US_RD	P7, TRACK 1, FWD, TIC *4727.46 +/- 4	4R3	4	0	5.525,549:50.0	
1098	0	142	05:00:22.800		DMS:	:*RUNUP	R7, TRACK *2, *REV, TIC *4727.52 +/- 4	4R3	4	0	5.525,549:51.8	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
1099	0	142	05:00:24.200		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4727.40 +/- 4	4R3	4	0	5.525,549:53.9	
1100	0	142	05:00:27.600	117GP105A106A4U	7STRP	0.0,-0.029009,0, Slew = 0.66		4R3	4	0	5.525,549:59.0	
1101	0	142	05:00:40.266		DMS:	: *RECORD	R7, TRACK 2, REV, TIC *4723.63 +/- 4	4R3	4	0	5.525,549:78.0	
1102	0	142	05:01:02.933	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5.525,550:21.0	
1103	0	142	05:01:02.933		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *4718.32 +/- 4	4R3	4	0	5.525,550:21.0	
1104	0	142	05:01:04.133		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4718.26 +/- 4	4R3	4	0	5.525,550:22.8	
1105	0	142	05:01:26.933	117GP105A106A4V	7STRP	0.003,0.029129,0, Slew = 12.01		4R3	4	0	5.525,550:57.0	
1106	0	142	05:01:38.266	117GP105A106A4W	7STRP	0.0,-0.029009,0, Slew = 0.66		4R3	4	0	5.525,550:74.0	
1107	0	142	05:02:37.600	117GP105A106A4X	7STRP	0.003,0.029129,0, Slew = 12.01		4R3	4	0	5.525,551:72.0	
1108	0	142	05:02:48.933	117GP105A106A4Y	7STRP	0.0,-0.029009,0, Slew = 0.66		4R3	4	0	5.525,551:89.0	
1109	0	142	05:03:48.266	117GP105A106A4Z	7STRP	0.003,0.029129,0, Slew = 12.01		4R3	4	0	5.525,552:87.0	
1110	0	142	05:03:59.600	117GP105A106A4A	7STRP	0.0,-0.029009,0, Slew = 0.66		4R3	4	0	5.525,553:13.0	
1111	0	142	05:04:58.933	117GP105A106A4B	7STRP	0.003,0.029129,0, Slew = 12.01		4R3	4	0	5.525,554:11.0	
1112	0	142	05:05:10.266	117GP105A106A4C	7STRP	0.0,-0.029009,0, Slew = 0.66		4R3	4	0	5.525,554:28.0	
1113	0	142	05:06:09.600	117GP105A106A4D	7STRP	0.003,0.029129,0, Slew = 12.01		4R3	4	0	5.525,555:26.0	
1114	0	142	05:06:20.933	117GP105A106A4E	7STRP	0.0,-0.029009,0, Slew = 0.66		4R3	4	0	5.525,555:43.0	
1115	0	142	05:07:20.266	117GP105A106A4F	7STRP	0.003,0.029129,0, Slew = 12.01		4R3	4	0	5.525,556:41.0	
1116	0	142	05:07:31.600	117GP105A106A4G	7STRP	0.0,-0.029009,0, Slew = 0.66		4R3	4	0	5.525,556:58.0	
1117	0	142	05:08:30.933	117GP105A106A4H	7STRP	0.003,0.029129,0, Slew = 12.01		4R3	4	0	5.525,557:56.0	
1118	0	142	05:08:42.266	117GP105A106A4I	7STRP	0.0,-0.029009,0, Slew = 0.66		4R3	4	0	5.525,557:73.0	
1119	0	142	05:09:41.600	117GP105A106A4J	7STRP	0.003,0.029129,0, Slew = 12.01		4R3	4	0	5.525,558:71.0	
1120	0	142	05:09:52.933	117GP105A106A4K	7STRP	0.0,-0.029009,0, Slew = 0.66		4R3	4	0	5.525,558:88.0	
1121	0	142	05:10:52.266	117GP105A106A4L	7STRP	0.003,0.029129,0, Slew = 12.01		4R3	4	0	5.525,559:86.0	
1122	0	142	05:11:03.600	117GP105A106A4M	7STRP	0.0,-0.029009,0, Slew = 0.66		4R3	4	0	5.525,560:12.0	
1123	0	142	05:12:02.933	117GP105A106A4N	7STRP	0.003,0.029129,0, Slew = 12.01		4R3	4	0	5.525,561:10.0	
1124	0	142	05:12:14.266	117GP105A106A4O	7STRP	0.0,-0.029009,0, Slew = 0.66		4R3	4	0	5.525,561:27.0	
1125	0	142	05:13:13.600	117GP105A106A4P	7STRP	0.003,0.029129,0, Slew = 12.01		4R3	4	0	5.525,562:25.0	
1126	0	142	05:13:16.933	50ZZ6XX	6DMSC	RDY,0	DMS Control Tape runup 7.68kps	4R3	4	0	5.525,562:30.0	
1127	0	142	05:13:16.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4718.26 +/- 4	4R3	4	0	5.525,562:30.0	
1128	0	142	05:13:18.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4718.38 +/- 4	4R3	4	0	5.525,562:32.1	
1129	0	142	05:13:23.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4719.61 +/- 4	4R3	4	0	5.525,562:40.0	
1130	0	142	05:13:24.800		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4719.67 +/- 4	4R3	4	0	5.525,562:41.8	
1131	0	142	05:13:24.933	117GP105A106A4AQ	7STRP	0.0,-0.029009,0, Slew = 0.66		4R3	4	0	5.525,562:42.0	
1132	0	142	05:13:26.200		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4719.55 +/- 4	4R3	4	0	5.525,562:43.9	
1133	0	142	05:13:42.266		DMS:	: *RECORD	R7, TRACK 2, REV, TIC *4715.79 +/- 4	4R3	4	0	5.525,562:68.0	
1134	0	142	05:14:04.933		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *4710.48 +/- 4	4R3	4	0	5.525,563:11.0	
1135	0	142	05:14:04.933	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5.525,563:11.0	
1136	0	142	05:14:06.133		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4710.42 +/- 4	4R3	4	0	5.525,563:12.8	
1137	0	142	05:14:24.266	117GP105A106A4AR	7STRP	0.003,0.029129,0, Slew = 12.01		4R3	4	0	5.525,563:40.0	
1138	0	142	05:14:35.600	117GP105A106A4AS	7STRP	0.0,-0.029009,0, Slew = 0.66		4R3	4	0	5.525,563:57.0	
1139	0	142	05:15:34.933	117GP105A106A4AT	7STRP	0.003,0.029129,0, Slew = 12.01		4R3	4	0	5.525,564:55.0	
1140	0	142	05:15:46.266	117GP105A106A4AU	7STRP	0.0,-0.029009,0, Slew = 0.66		4R3	4	0	5.525,564:72.0	
1141	0	142	05:16:45.600	117GP105A106A4AV	7STRP	0.003,0.029129,0, Slew = 12.01		4R3	4	0	5.525,565:70.0	
1142	0	142	05:16:56.933	117GP105A106A4AW	7STRP	0.0,-0.029009,0, Slew = 0.66		4R3	4	0	5.525,565:87.0	
1143	0	142	05:17:56.266	117GP105A106A4AX	7STRP	0.003,0.029129,0, Slew = 12.01		4R3	4	0	5.525,566:85.0	
1144	0	142	05:18:07.600	117GP105A106A4AY	7STRP	0.0,-0.029009,0, Slew = 0.66		4R3	4	0	5.525,567:11.0	
1145	0	142	05:19:06.933	117GP105A106A4AZ	7STRP	0.003,0.029129,0, Slew = 12.01		4R3	4	0	5.525,568:09.0	
1146	0	142	05:19:18.266	117GP105A106A4BA	7STRP	0.0,-0.029009,0, Slew = 0.66		4R3	4	0	5.525,568:26.0	
1147	0	142	05:20:17.600	117GP105A106A4BB	7STRP	0.003,0.029129,0, Slew = 12.01		4R3	4	0	5.525,569:24.0	
1148	0	142	05:21:28.933	117GP105A106A4BC	7STRP	0.0,-0.029009,0, Slew = 0.66		4R3	4	0	5.525,569:41.0	
1149	0	142	05:21:28.266	117GP105A106A4BD	7STRP	0.003,0.029129,0, Slew = 12.01		4R3	4	0	5.525,570:39.0	
1150	0	142	05:21:39.600	117GP105A106A4BE	7STRP	0.0,-0.029009,0, Slew = 0.66		4R3	4	0	5.525,570:56.0	
1151	0	142	05:22:38.933	117GP105A106A4BF	7STRP	0.003,0.029129,0, Slew = 12.01		4R3	4	0	5.525,571:54.0	
1152	0	142	05:22:50.266	117GP105A106A4BG	7STRP	0.0,-0.029009,0, Slew = 0.66		4R3	4	0	5.525,571:71.0	
1153	0	142	05:23:49.600	117GP105A106A4BH	7STRP	0.003,0.029129,0, Slew = 12.01		4R3	4	0	5.525,572:69.0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
1154	0	142	05:24:00.933	117GP105A106A4BI	7STRP	0.0,-0.0,0.29009,0, Slew = 0.66	Slew = 0.66	4R3	4	0	5.525,572:86.0	
1155	0	142	05:25:00.266	117GP105A106A4BJ	7STRP	0.003,0.029129,0, Slew = 12.01	Slew = 12.01	4R3	4	0	5.525,573:84.0	
1156	0	142	05:25:11.600	117GP105A106A4BK	7STRP	0.0,-0.0,0.29009,0, Slew = 0.66	Slew = 0.66	4R3	4	0	5.525,574:10.0	
1157	0	142	05:26:10.933	117GP105A106A4BL	7STRP	0.003,0.029129,0, Slew = 12.01	Slew = 12.01	4R3	4	0	5.525,575:08.0	
1158	0	142	05:26:18.933	50ZZ6XX	DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4710.42 +/- 4	4R3	4	0	5.525,575:20.0	
1159	0	142	05:26:18.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5.525,575:20.0	
1160	0	142	05:26:20.333		DMS:	: *US AT SP	P7, TRACK 1, FWD, TIC *4710.54 +/- 4	4R3	4	0	5.525,575:22.1	
1161	0	142	05:26:22.266	117GP105A106A4BM	7STRP	0.0,-0.0,0.29009,0, Slew = 0.66	Slew = 0.66	4R3	4	0	5.525,575:25.0	
1162	0	142	05:26:25.600		DMS:	: *US RD	P7, TRACK 1, FWD, TIC *4711.77 +/- 4	4R3	4	0	5.525,575:30.0	
1163	0	142	05:26:26.800		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4711.83 +/- 4	4R3	4	0	5.525,575:31.8	
1164	0	142	05:26:28.200		DMS:	: *AT SPD	R7, TRACK 2, REV, TIC *4711.71 +/- 4	4R3	4	0	5.525,575:33.9	
1165	0	142	05:26:44.266		DMS:	: *RECORD	R7, TRACK 2, REV, TIC *4707.94 +/- 4	4R3	4	0	5.525,575:58.0	
1166	0	142	05:27:06.933	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5.525,576:01.0	
1167	0	142	05:27:06.933		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *4702.63 +/- 4	4R3	4	0	5.525,576:01.0	
1168	0	142	05:27:08.133		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4702.57 +/- 4	4R3	4	0	5.525,576:02.8	
1169	0	142	05:27:21.600	117GP105A106A4BN	7STRP	0.003,0.029129,0, Slew = 12.01	Slew = 12.01	4R3	4	0	5.525,576:23.0	
1170	0	142	05:27:32.933	117GP105A106A4BO	7STRP	0.0,-0.0,0.29009,0, Slew = 0.66	Slew = 0.66	4R3	4	0	5.525,576:40.0	
1171	0	142	05:28:32.266	117GP105A106A4BP	7STRP	0.003,0.029129,0, Slew = 12.01	Slew = 12.01	4R3	4	0	5.525,577:38.0	
1172	0	142	05:28:43.600	117GP105A106A4BQ	7STRP	0.0,-0.0,0.29009,0, Slew = 0.66	Slew = 0.66	4R3	4	0	5.525,577:55.0	
1173	0	142	05:29:42.933	117GP105A106A4BR	7STRP	0.003,0.029129,0, Slew = 12.01	Slew = 12.01	4R3	4	0	5.525,578:53.0	
1174	0	142	05:29:54.266	117GP105A106A4BS	7STRP	0.0,-0.0,0.29009,0, Slew = 0.66	Slew = 0.66	4R3	4	0	5.525,578:70.0	
1175	0	142	05:30:53.600	117GP105A106A4BT	7STRP	0.003,0.029129,0, Slew = 12.01	Slew = 12.01	4R3	4	0	5.525,579:68.0	
1176	0	142	05:31:04.933	117GP105A106A4BU	7STRP	0.0,-0.0,0.29009,0, Slew = 0.66	Slew = 0.66	4R3	4	0	5.525,579:85.0	
1177	0	142	05:32:04.266	117GP105A106A4BV	7STRP	0.003,0.029129,0, Slew = 12.01	Slew = 12.01	4R3	4	0	5.525,580:83.0	
1178	0	142	05:32:15.600	117GP105A106A4BW	7STRP	0.0,-0.0,0.29009,0, Slew = 0.66	Slew = 0.66	4R3	4	0	5.525,581:09.0	
1179	0	142	05:33:14.933	117GP105A106A4BX	7STRP	0.003,0.029129,0, Slew = 12.01	Slew = 12.01	4R3	4	0	5.525,582:07.0	
1180	0	142	05:33:26.266	117GP105A106A4BY	7STRP	0.0,-0.0,0.29009,0, Slew = 0.66	Slew = 0.66	4R3	4	0	5.525,582:24.0	
1181	0	142	05:34:25.600	117GP105A106A4BZ	7STRP	0.003,0.029129,0, Slew = 12.01	Slew = 12.01	4R3	4	0	5.525,583:22.0	
1182	0	142	05:34:36.933	117GP105A106A4CA	7STRP	0.0,-0.0,0.29009,0, Slew = 0.66	Slew = 0.66	4R3	4	0	5.525,583:39.0	
1183	0	142	05:35:36.266	117GP105A106A4CB	7STRP	0.003,0.029129,0, Slew = 12.01	Slew = 12.01	4R3	4	0	5.525,584:37.0	
1184	0	142	05:35:47.600	117GP105A106A4CC	7STRP	0.0,-0.0,0.29009,0, Slew = 0.66	Slew = 0.66	4R3	4	0	5.525,584:54.0	
1185	0	142	05:36:46.933	117GP105A106A4CD	7STRP	0.003,0.029129,0, Slew = 12.01	Slew = 12.01	4R3	4	0	5.525,585:52.0	
1186	0	142	05:36:58.266	117GP105A106A4CE	7STRP	0.0,-0.0,0.29009,0, Slew = 0.66	Slew = 0.66	4R3	4	0	5.525,585:69.0	
1187	0	142	05:37:57.600	117GP105A106A4CF	7STRP	0.003,0.029129,0, Slew = 12.01	Slew = 12.01	4R3	4	0	5.525,586:67.0	
1188	0	142	05:38:08.933	117GP105A106A4CG	7STRP	0.0,-0.0,0.29009,0, Slew = 0.66	Slew = 0.66	4R3	4	0	5.525,586:84.0	
1189	0	142	05:39:08.266	117GP105A106A4CH	7STRP	0.003,0.029129,0, Slew = 12.01	Slew = 12.01	4R3	4	0	5.525,587:82.0	
1190	0	142	05:39:19.600	117GP105A106A4CI	7STRP	0.0,-0.0,0.29009,0, Slew = 0.66	Slew = 0.66	4R3	4	0	5.525,588:08.0	
1191	0	142	05:39:21.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5.525,588:11.0	
1192	0	142	05:39:21.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4702.57 +/- 4	4R3	4	0	5.525,588:11.0	
1193	0	142	05:39:23.000		DMS:	: *US AT SP	P7, TRACK 1, FWD, TIC *4702.69 +/- 4	4R3	4	0	5.525,588:13.1	
1194	0	142	05:39:28.266		DMS:	: *US RD	P7, TRACK 1, FWD, TIC *4703.93 +/- 4	4R3	4	0	5.525,588:21.0	
1195	0	142	05:39:29.466		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4703.99 +/- 4	4R3	4	0	5.525,588:22.8	
1196	0	142	05:39:30.866		DMS:	: *AT SPD	R7, TRACK 2, REV, TIC *4703.87 +/- 4	4R3	4	0	5.525,588:24.9	
1197	0	142	05:39:46.266		DMS:	: *RECORD	R7, TRACK 2, REV, TIC *4700.26 +/- 4	4R3	4	0	5.525,588:48.0	
1198	0	142	05:40:08.933	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5.525,588:82.0	
1199	0	142	05:40:08.933		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *4694.94 +/- 4	4R3	4	0	5.525,588:82.0	
1200	0	142	05:40:10.133		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4694.88 +/- 4	4R3	4	0	5.525,588:83.8	
1201	0	142	05:40:18.933	117GP105A106A4CJ	7STRP	0.003,0.029129,0, Slew = 12.01	Slew = 12.01	4R3	4	0	5.525,589:06.0	
1202	0	142	05:40:30.266	117GP105A106A4CK	7STRP	0.0,-0.0,0.29009,0, Slew = 0.66	Slew = 0.66	4R3	4	0	5.525,589:23.0	
1203	0	142	05:41:29.600	117GP105A106A4CL	7STRP	0.003,0.029129,0, Slew = 12.01	Slew = 12.01	4R3	4	0	5.525,590:21.0	
1204	0	142	05:41:40.933	117GP105A106A4CM	7STRP	0.0,-0.0,0.29009,0, Slew = 0.66	Slew = 0.66	4R3	4	0	5.525,590:38.0	
1205	0	142	05:42:40.266	117GP105A106A4CN	7STRP	0.003,0.029129,0, Slew = 12.01	Slew = 12.01	4R3	4	0	5.525,591:36.0	
1206	0	142	05:42:51.600	117GP105A106A4CO	7STRP	0.0,-0.0,0.29009,0, Slew = 0.66	Slew = 0.66	4R3	4	0	5.525,591:53.0	
1207	0	142	05:43:50.933	117GP105A106A4CP	7STRP	0.003,0.029129,0, Slew = 12.01	Slew = 12.01	4R3	4	0	5.525,592:51.0	
1208	0	142	05:44:02.266	117GP105A106A4CQ	7STRP	0.0,-0.0,0.29009,0, Slew = 0.66	Slew = 0.66	4R3	4	0	5.525,592:68.0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
1209	0	142	05:45:01.600	117GP105A106A4CR	7STRP	0.003.0.029129.0	Slew =12.01	4R3	4	0	5.525,593.66:0	
1210	0	142	05:45:12.933	117GP105A106A4CS	7STRP	0.0.-0.029009.0	Slew =0.66	4R3	4	0	5.525,593.83:0	
1211	0	142	05:46:12.266	117GP105A106A4CT	7STRP	0.003.0.029129.0	Slew =12.01	4R3	4	0	5.525,594.81:0	
1212	0	142	05:46:23.600	117GP105A106A4CU	7STRP	0.0.-0.029009.0	Slew =0.66	4R3	4	0	5.525,595.07:0	
1213	0	142	05:47:22.933	117GP105A106A4CV	7STRP	0.003.0.029129.0	Slew =12.01	4R3	4	0	5.525,596.05:0	
1214	0	142	05:47:34.266	117GP105A106A4CW	7STRP	0.0.-0.029009.0	Slew =0.66	4R3	4	0	5.525,596.22:0	
1215	0	142	05:48:33.600	117GP105A106A4CX	7STRP	0.003.0.029129.0	Slew =12.01	4R3	4	0	5.525,597.20:0	
1216	0	142	05:48:44.933	117GP105A106A4CY	7STRP	0.0.-0.029009.0	Slew =0.66	4R3	4	0	5.525,597.37:0	
1217	0	142	05:49:44.266	117GP105A106A4CZ	7STRP	0.003.0.029129.0	Slew =12.01	4R3	4	0	5.525,598.35:0	
1218	0	142	05:49:55.600	117GP105A106A4DA	7STRP	0.0.-0.029009.0	Slew =0.66	4R3	4	0	5.525,598.52:0	
1219	0	142	05:50:54.933	117GP105A106A4DB	7STRP	0.003.0.029129.0	Slew =12.01	4R3	4	0	5.525,599.50:0	
1220	0	142	05:51:06.266	117GP105A106A4DC	7STRP	0.0.-0.029009.0	Slew =0.66	4R3	4	0	5.525,599.67:0	
1221	0	142	05:52:05.600	117GP105A106A4DD	7STRP	0.003.0.029129.0	Slew =12.01	4R3	4	0	5.525,600.65:0	
1222	0	142	05:52:16.933	117GP105A106A4DE	7STRP	0.0.-0.029009.0	Slew =0.66	4R3	4	0	5.525,600.82:0	
1223	0	142	05:52:23.600	50ZZ6XX	6DMSC	R7.0	DMS Control Tape runup 7.68kps	4R3	4	0	5.525,601.01:0	
1224	0	142	05:52:23.600		DMS:	: *US-RUNUP		4R3	4	0	5.525,601.01:0	
1225	0	142	05:52:25.000		DMS:	: *US AT SP	P7, TRACK 1, FWD, TIC *4695.00 +/- 4	4R3	4	0	5.525,601.03:1	
1226	0	142	05:52:30.266		DMS:	: *US RD	P7, TRACK 1, FWD, TIC *4696.24 +/- 4	4R3	4	0	5.525,601.11:0	
1227	0	142	05:52:31.466		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4696.30 +/- 4	4R3	4	0	5.525,601.12:8	
1228	0	142	05:52:32.866		DMS:	: *AT SPD	R7, TRACK 2, REV, TIC *4696.18 +/- 4	4R3	4	0	5.525,601.14:9	
1229	0	142	05:52:48.933		DMS:	: *RECORD	R7, TRACK 2, REV, TIC *4692.41 +/- 4	4R3	4	0	5.525,601.39:0	
1230	0	142	05:53:11.600	50ZZ6RE	6DMSC	RDY.0	DMS Control Tape stop	4R3	4	0	5.525,601.73:0	
1231	0	142	05:53:11.600		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *4687.10 +/- 4	4R3	4	0	5.525,601.73:0	
1232	0	142	05:53:12.800		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4687.04 +/- 4	4R3	4	0	5.525,601.74:8	
1233	0	142	05:53:16.266	117GP105A106A4DF	7STRP	0.003.0.029129.0	Slew =12.01	4R3	4	0	5.525,601.80:0	
1234	0	142	05:53:27.600	117GP105A106A4DG	7STRP	0.0.-0.029009.0	Slew =0.66	4R3	4	0	5.525,602.06:0	
1235	0	142	05:54:26.933	117GP105A106A4DH	7STRP	0.003.0.029129.0	Slew =12.01	4R3	4	0	5.525,603.04:0	
1236	0	142	05:54:38.266	117GP105A106A4DI	7STRP	0.0.-0.029009.0	Slew =0.66	4R3	4	0	5.525,603.21:0	
1237	0	142	05:55:37.600	117GP105A106A4DJ	7STRP	0.003.0.029129.0	Slew =12.01	4R3	4	0	5.525,604.19:0	
1238	0	142	05:55:48.933	117GP105A106A4DK	7STRP	0.0.-0.029009.0	Slew =0.66	4R3	4	0	5.525,604.36:0	
1239	0	142	05:56:48.266	117GP105A106A4DL	7STRP	0.003.0.029129.0	Slew =12.01	4R3	4	0	5.525,605.34:0	
1240	0	142	05:56:59.600	117GP105A106A4DM	7STRP	0.0.-0.029009.0	Slew =0.66	4R3	4	0	5.525,605.51:0	
1241	0	142	05:57:58.933	117GP105A106A4DN	7STRP	0.003.0.029129.0	Slew =12.01	4R3	4	0	5.525,606.49:0	
1242	0	142	05:58:10.266	117GP105A106A4DO	7STRP	0.0.-0.029009.0	Slew =0.66	4R3	4	0	5.525,606.66:0	
1243	0	142	05:59:09.600	117GP105A106A4DP	7STRP	0.003.0.029129.0	Slew =12.01	4R3	4	0	5.525,607.64:0	
1244	0	142	05:59:20.933	117GP105A106A4DQ	7STRP	0.0.-0.029009.0	Slew =0.66	4R3	4	0	5.525,607.81:0	
1245	0	142	06:00:20.266	117GP105A106A4DR	7STRP	0.003.0.029129.0	Slew =12.01	4R3	4	0	5.525,608.79:0	
1246	0	142	06:00:31.600	117GP105A106A4DS	7STRP	0.0.-0.029009.0	Slew =0.66	4R3	4	0	5.525,609.05:0	
1247	0	142	06:01:30.933	117GP105A106A4DT	7STRP	0.003.0.029129.0	Slew =12.01	4R3	4	0	5.525,610.03:0	
1248	0	142	06:01:42.266	117GP105A106A4DU	7STRP	0.0.-0.029009.0	Slew =0.66	4R3	4	0	5.525,610.20:0	
1249	0	142	06:02:41.600	117GP105A106A4DV	7STRP	0.003.0.029129.0	Slew =12.01	4R3	4	0	5.525,611.18:0	
1250	0	142	06:02:52.933	117GP105A106A4DW	7STRP	0.0.-0.029009.0	Slew =0.66	4R3	4	0	5.525,611.35:0	
1251	0	142	06:03:52.266	117GP105A106A4DX	7STRP	0.003.0.029129.0	Slew =12.01	4R3	4	0	5.525,612.33:0	
1252	0	142	06:04:03.600	117GP105A106A4DY	7STRP	0.0.-0.029009.0	Slew =0.66	4R3	4	0	5.525,612.50:0	
1253	0	142	06:05:02.933	117GP105A106A4DZ	7STRP	0.003.0.029129.0	Slew =12.01	4R3	4	0	5.525,613.48:0	
1254	0	142	06:05:14.266	117GP105A106A4EA	7STRP	0.0.-0.029009.0	Slew =0.66	4R3	4	0	5.525,613.65:0	
1255	0	142	06:05:25.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4687.04 +/- 4	4R3	4	0	5.525,613.82:0	
1256	0	142	06:05:25.600	50ZZ6XX	6DMSC	R7.0	DMS Control Tape runup 7.68kps	4R3	4	0	5.525,613.82:0	
1257	0	142	06:05:27.000		DMS:	: *US AT SP	P7, TRACK 1, FWD, TIC *4687.16 +/- 4	4R3	4	0	5.525,613.84:1	
1258	0	142	06:05:32.266		DMS:	: *US RD	P7, TRACK 1, FWD, TIC *4688.40 +/- 4	4R3	4	0	5.525,614:01:0	
1259	0	142	06:05:33.466		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4688.46 +/- 4	4R3	4	0	5.525,614:02:8	
1260	0	142	06:05:34.866		DMS:	: *AT SPD	R7, TRACK 2, REV, TIC *4688.34 +/- 4	4R3	4	0	5.525,614:04:9	
1261	0	142	06:05:50.933		DMS:	: *RECORD	R7, TRACK 2, REV, TIC *4684.57 +/- 4	4R3	4	0	5.525,614:29:0	
1262	0	142	06:06:13.600	50ZZ6RD	6DMSC	RDY.0	DMS Control Tape stop	4R3	4	0	5.525,614:63:0	
1263	0	142	06:06:13.600	117GP105A106A4EB	7STRP	0.003.0.029129.0	Slew =12.01	4R3	4	0	5.525,614:63:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
1264	0	142	06:06:13.600		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *4679.26 +/- 4	4R3	4	0	5.525,614:63.0	
1265	0	142	06:06:14.800		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4679.20 +/- 4	4R3	4	0	5.525,614:64.8	
1266	0	142	06:06:24.933	117GP105A106A4EC	7STRP	0.0,-0.0,0.29129.0,	Slew = 0.66	4R3	4	0	5.525,614:80.0	
1267	0	142	06:07:24.266	117GP105A106A4ED	7STRP	0.003.0.029129.0	Slew = 12.01	4R3	4	0	5.525,615:78.0	
1268	0	142	06:07:35.600	117GP105A106A4EE	7STRP	0.0,-0.0,0.29129.0,	Slew = 0.66	4R3	4	0	5.525,616:04.0	
1269	0	142	06:08:34.933	117GP105A106A4EF	7STRP	0.003.0.029129.0,	Slew = 12.01	4R3	4	0	5.525,617:02.0	
1270	0	142	06:08:46.266	117GP105A106A4EG	7STRP	0.0,-0.0,0.29129.0,	Slew = 0.66	4R3	4	0	5.525,617:19.0	
1271	0	142	06:09:45.600	117GP105A106A4EH	7STRP	0.003.0.029129.0	Slew = 12.01	4R3	4	0	5.525,618:17.0	
1272	0	142	06:09:56.933	117GP105A106A4EI	7STRP	0.0,-0.0,0.29129.0,	Slew = 0.66	4R3	4	0	5.525,618:34.0	
1273	0	142	06:10:56.266	117GP105A106A4EJ	7STRP	0.003.0.029129.0,	Slew = 12.01	4R3	4	0	5.525,619:32.0	
1274	0	142	06:12:06.933	117GP105A106A4EK	7STRP	0.0,-0.0,0.29129.0,	Slew = 0.66	4R3	4	0	5.525,619:49.0	
1275	0	142	06:12:06.933	117GP105A106A4EL	7STRP	0.003.0.029129.0,	Slew = 12.01	4R3	4	0	5.525,620:47.0	
1276	0	142	06:12:18.266	117GP105A106A4EM	7STRP	0.0,-0.0,0.29129.0,	Slew = 0.66	4R3	4	0	5.525,620:64.0	
1277	0	142	06:13:17.600	117GP105A106A4EN	7STRP	0.003.0.029129.0	Slew = 12.01	4R3	4	0	5.525,621:62.0	
1278	0	142	06:13:28.933	117GP105A106A4EO	7STRP	0.0,-0.0,0.29129.0,	Slew = 0.66	4R3	4	0	5.525,621:79.0	
1279	0	142	06:14:28.266	117GP105A106A4EP	7STRP	0.003.0.029129.0,	Slew = 12.01	4R3	4	0	5.525,622:77.0	
1280	0	142	06:14:39.600	117GP105A106A4EQ	7STRP	0.0,-0.0,0.29129.0,	Slew = 0.66	4R3	4	0	5.525,623:03.0	
1281	0	142	06:15:38.933	117GP105A106A4ER	7STRP	0.003.0.029129.0	Slew = 12.01	4R3	4	0	5.525,624:01.0	
1282	0	142	06:15:50.266	117GP105A106A4ES	7STRP	0.0,-0.0,0.29129.0,	Slew = 0.66	4R3	4	0	5.525,624:18.0	
1283	0	142	06:16:49.600	117GP105A106A4ET	7STRP	0.003.0.029129.0,	Slew = 12.01	4R3	4	0	5.525,625:16.0	
1284	0	142	06:17:00.933	117GP105A106A4EU	7STRP	0.0,-0.0,0.29129.0,	Slew = 0.66	4R3	4	0	5.525,625:33.0	
1285	0	142	06:18:00.266	117GP105A106A4EV	7STRP	0.003.0.029129.0,	Slew = 12.01	4R3	4	0	5.525,626:31.0	
1286	0	142	06:18:11.600	117GP105A106A4EW	7STRP	0.0,-0.0,0.29129.0,	Slew = 0.66	4R3	4	0	5.525,626:48.0	
1287	0	142	06:18:28.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4679.20 +/- 4	4R3	4	0	5.525,626:73.0	
1288	0	142	06:18:28.266	50ZZ6XX	6DMSC		DMS Control Tape runup 7.68kps	4R3	4	0	5.525,626:73.0	
1289	0	142	06:18:29.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4679.32 +/- 4	4R3	4	0	5.525,626:75.0	
1290	0	142	06:18:34.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4680.55 +/- 4	4R3	4	0	5.525,626:83.0	
1291	0	142	06:18:36.133		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4680.61 +/- 4	4R3	4	0	5.525,626:84.8	
1292	0	142	06:18:37.533		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4680.49 +/- 4	4R3	4	0	5.525,626:86.9	
1293	0	142	06:18:52.933		DMS:	: *RECORD	R7, TRACK 2, REV, TIC *4676.88 +/- 4	4R3	4	0	5.525,627:19.0	
1294	0	142	06:19:10.933	117GP105A106A4EX	7STRP	0.003.0.029129.0	Slew = 12.01	4R3	4	0	5.525,627:46.0	
1295	0	142	06:19:15.600		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *4671.57 +/- 4	4R3	4	0	5.525,627:53.0	
1296	0	142	06:19:15.600	50ZZ6RE	6DMSC		DMS Control Tape stop	4R3	4	0	5.525,627:53.0	
1297	0	142	06:19:16.800		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4671.51 +/- 4	4R3	4	0	5.525,627:54.8	
1298	0	142	06:19:22.266	117GP105A106A4EY	7STRP	0.0,-0.0,0.29129.0,	Slew = 0.66	4R3	4	0	5.525,627:63.0	
1299	0	142	06:20:21.600	117GP105A106A4EZ	7STRP	0.003.0.029129.0,	Slew = 12.01	4R3	4	0	5.525,628:61.0	
1300	0	142	06:20:32.933	117GP105A106A4FA	7STRP	0.0,-0.0,0.29129.0,	Slew = 0.66	4R3	4	0	5.525,628:78.0	
1301	0	142	06:21:32.266	117GP105A106A4FB	7STRP	0.003.0.029129.0	Slew = 12.01	4R3	4	0	5.525,629:76.0	
1302	0	142	06:21:43.600	117GP105A106A4FC	7STRP	0.0,-0.0,0.29129.0,	Slew = 0.66	4R3	4	0	5.525,630:02.0	
1303	0	142	06:22:42.933	117GP105A106A4FD	7STRP	0.003.0.029129.0,	Slew = 12.01	4R3	4	0	5.525,631:00.0	
1304	0	142	06:22:54.266	117GP105A106A4FE	7STRP	0.0,-0.0,0.29129.0,	Slew = 0.66	4R3	4	0	5.525,631:17.0	
1305	0	142	06:23:53.600	117GP105A106A4FF	7STRP	0.003.0.029129.0,	Slew = 12.01	4R3	4	0	5.525,632:15.0	
1306	0	142	06:24:04.933	117GP105A106A4FG	7STRP	0.0,-0.0,0.29129.0,	Slew = 0.66	4R3	4	0	5.525,632:32.0	
1307	0	142	06:25:04.266	117GP105A106A4FH	7STRP	0.003.0.029129.0	Slew = 12.01	4R3	4	0	5.525,633:30.0	
1308	0	142	06:25:15.600	117GP105A106A4FI	7STRP	0.0,-0.0,0.29129.0,	Slew = 0.66	4R3	4	0	5.525,633:47.0	
1309	0	142	06:26:14.933	117GP105A106A4FJ	7STRP	0.003.0.029129.0,	Slew = 12.01	4R3	4	0	5.525,634:45.0	
1310	0	142	06:26:26.266	117GP105A106A4FK	7STRP	0.0,-0.0,0.29129.0,	Slew = 0.66	4R3	4	0	5.525,634:62.0	
1311	0	142	06:27:25.600	117GP105A106A4FL	7STRP	0.003.0.029129.0	Slew = 12.01	4R3	4	0	5.525,635:60.0	
1312	0	142	06:27:36.933	117GP105A106A4FM	7STRP	0.0,-0.0,0.29129.0,	Slew = 0.66	4R3	4	0	5.525,635:77.0	
1313	0	142	06:28:36.266	117GP105A106A4FN	7STRP	0.003.0.029129.0,	Slew = 12.01	4R3	4	0	5.525,636:75.0	
1314	0	142	06:28:47.600	117GP105A106A4FO	7STRP	0.0,-0.0,0.29129.0,	Slew = 0.66	4R3	4	0	5.525,637:01.0	
1315	0	142	06:29:46.933	117GP105A106A4FP	7STRP	0.003.0.029129.0,	Slew = 12.01	4R3	4	0	5.525,637:90.0	
1316	0	142	06:29:58.266	117GP105A106A4FQ	7STRP	0.0,-0.0,0.29129.0,	Slew = 0.66	4R3	4	0	5.525,638:16.0	
1317	0	142	06:30:57.600	117GP105A106A4FR	7STRP	0.003.0.029129.0,	Slew = 12.01	4R3	4	0	5.525,639:14.0	
1318	0	142	06:31:08.933	117GP105A106A4FS	7STRP	0.0,-0.0,0.29129.0,	Slew = 0.66	4R3	4	0	5.525,639:31.0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
1319	0	142	06:31:30.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5.525,639:63.0	
1320	0	142	06:31:30.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC *4671.51 +/- 4	4R3	4	0	5.525,639:63.0	
1321	0	142	06:31:31.666		DMS:	: *US AT SP	P7, TRACK 1, FWD, TIC *4671.63 +/- 4	4R3	4	0	5.525,639:65.1	
1322	0	142	06:31:36.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4672.86 +/- 4	4R3	4	0	5.525,639:73.0	
1323	0	142	06:31:38.133		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4672.92 +/- 4	4R3	4	0	5.525,639:74.8	
1324	0	142	06:31:39.533		DMS:	: *AT SPD	R7, TRACK 2, REV, TIC *4672.80 +/- 4	4R3	4	0	5.525,639:76.9	
1325	0	142	06:31:55.600		DMS:	: *RECORD	R7, TRACK 2, REV, TIC *4669.04 +/- 4	4R3	4	0	5.525,640:10.0	
1326	0	142	06:32:08.266	117GP105A106A4FT	7STRP	0.003.0.029129.0	Slew =12.01	4R3	4	0	5.525,640:29.0	
1327	0	142	06:32:18.266		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *4663.73 +/- 4	4R3	4	0	5.525,640:44.0	
1328	0	142	06:32:18.266	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5.525,640:44.0	
1329	0	142	06:32:19.466		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4663.67 +/- 4	4R3	4	0	5.525,640:45.8	
1330	0	142	06:32:19.600	117GP105A106A4FU	7STRP	0.0.-0.029009.0,	Slew =0.66	4R3	4	0	5.525,640:46.0	
1331	0	142	06:33:18.933	117GP105A106A4FV	7STRP	0.003.0.029129.0	Slew =12.01	4R3	4	0	5.525,641:44.0	
1332	0	142	06:33:30.266	117GP105A106A4FW	7STRP	0.0.-0.029009.0,	Slew =0.66	4R3	4	0	5.525,641:61.0	
1333	0	142	06:34:29.600	117GP105A106A4FX	7STRP	0.003.0.029129.0	Slew =12.01	4R3	4	0	5.525,642:59.0	
1334	0	142	06:34:40.933	117GP105A106A4FY	7STRP	0.0.-0.029009.0,	Slew =-0.66	4R3	4	0	5.525,642:76.0	
1335	0	142	06:35:40.266	117GP105A106A4FZ	7STRP	0.003.0.029129.0	Slew =12.01	4R3	4	0	5.525,643:74.0	
1336	0	142	06:35:51.600	117GP105A106A4GA	7STRP	0.0.-0.029009.0,	Slew =-0.66	4R3	4	0	5.525,644:00.0	
1337	0	142	06:36:50.933	117GP105A106A4GB	7STRP	0.003.0.029129.0	Slew =12.01	4R3	4	0	5.525,644:89.0	
1338	0	142	06:37:02.266	117GP105A106A4GC	7STRP	0.0.-0.029009.0,	Slew =-0.66	4R3	4	0	5.525,645:15.0	
1339	0	142	06:38:01.600	117GP105A106A4GD	7STRP	0.003.0.029129.0	Slew =12.01	4R3	4	0	5.525,646:13.0	
1340	0	142	06:38:12.933	117GP105A106A4GE	7STRP	0.0.-0.029009.0,	Slew =0.66	4R3	4	0	5.525,646:30.0	
1341	0	142	06:39:12.266	117GP105A106A4GF	7STRP	0.003.0.029129.0	Slew =12.01	4R3	4	0	5.525,647:28.0	
1342	0	142	06:39:23.600	117GP105A106A4GG	7STRP	0.0.-0.029009.0,	Slew =0.66	4R3	4	0	5.525,647:45.0	
1343	0	142	06:40:22.933	117GP105A106A4GH	7STRP	0.003.0.029129.0	Slew =12.01	4R3	4	0	5.525,648:43.0	
1344	0	142	06:40:34.266	117GP105A106A4GI	7STRP	0.0.-0.029009.0,	Slew =-0.66	4R3	4	0	5.525,648:60.0	
1345	0	142	06:41:33.600	117GP105A106A4GJ	7STRP	0.003.0.029129.0	Slew =12.01	4R3	4	0	5.525,649:58.0	
1346	0	142	06:41:44.933	117GP105A106A4GK	7STRP	0.0.-0.029009.0,	Slew =-0.66	4R3	4	0	5.525,649:75.0	
1347	0	142	06:42:44.266	117GP105A106A4GL	7STRP	0.003.0.029129.0	Slew =12.01	4R3	4	0	5.525,650:73.0	
1348	0	142	06:42:55.600	117GP105A106A4GM	7STRP	0.0.-0.029009.0,	Slew =-0.66	4R3	4	0	5.525,650:90.0	
1349	0	142	06:43:54.933	117GP105A106A4GN	7STRP	0.003.0.029129.0	Slew =12.01	4R3	4	0	5.525,651:88.0	
1350	0	142	06:44:06.266	117GP105A106A4GO	7STRP	0.0.-0.029009.0,	Slew =0.66	4R3	4	0	5.525,652:14.0	
1351	0	142	06:44:32.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC *4663.67 +/- 4	4R3	4	0	5.525,652:53.0	
1352	0	142	06:44:32.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5.525,652:53.0	
1353	0	142	06:44:33.666		DMS:	: *US AT SP	P7, TRACK 1, FWD, TIC *4665.79 +/- 4	4R3	4	0	5.525,652:55.1	
1354	0	142	06:44:38.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4665.02 +/- 4	4R3	4	0	5.525,652:63.0	
1355	0	142	06:44:40.133		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4665.08 +/- 4	4R3	4	0	5.525,652:64.8	
1356	0	142	06:44:41.533		DMS:	: *AT SPD	R7, TRACK 2, REV, TIC *4664.96 +/- 4	4R3	4	0	5.525,652:66.9	
1357	0	142	06:44:57.600		DMS:	: *RECORD	R7, TRACK 2, REV, TIC *4661.19 +/- 4	4R3	4	0	5.525,653:00.0	
1358	0	142	06:45:05.600	117GP105A106A4GP	7STRP	0.003.0.029129.0	Slew =12.01	4R3	4	0	5.525,653:29.0	
1359	0	142	06:45:16.933	117GP105A106A4GQ	7STRP	0.0.-0.029009.0,	Slew =-0.66	4R3	4	0	5.525,653:29.0	
1360	0	142	06:45:20.266	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5.525,653:34.0	
1361	0	142	06:45:20.266		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *4655.88 +/- 4	4R3	4	0	5.525,653:34.0	
1362	0	142	06:45:21.466		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4655.82 +/- 4	4R3	4	0	5.525,653:35.8	
1363	0	142	06:46:16.266	117GP105A106A4GR	7STRP	0.003.0.029129.0	Slew =12.01	4R3	4	0	5.525,654:27.0	
1364	0	142	06:46:27.600	117GP105A106A4GS	7STRP	0.0.-0.029009.0,	Slew =-0.66	4R3	4	0	5.525,654:44.0	
1365	0	142	06:47:26.933	117GP105A106A4GT	7STRP	0.003.0.029129.0	Slew =12.01	4R3	4	0	5.525,655:42.0	
1366	0	142	06:47:38.266	117GP105A106A4GU	7STRP	0.0.-0.029009.0,	Slew =-0.66	4R3	4	0	5.525,655:59.0	
1367	0	142	06:48:37.600	117GP105A106A4GV	7STRP	0.003.0.029129.0	Slew =12.01	4R3	4	0	5.525,656:57.0	
1368	0	142	06:48:48.933	117GP105A106A4GW	7STRP	0.0.-0.029009.0,	Slew =-0.66	4R3	4	0	5.525,656:74.0	
1369	0	142	06:49:48.266	117GP105A106A4GX	7STRP	0.003.0.029129.0	Slew =12.01	4R3	4	0	5.525,657:72.0	
1370	0	142	06:49:59.600	117GP105A106A4GY	7STRP	0.0.-0.029009.0,	Slew =0.66	4R3	4	0	5.525,657:89.0	
1371	0	142	06:50:58.933	117GP105A106A4GZ	7STRP	0.003.0.029129.0	Slew =12.01	4R3	4	0	5.525,658:87.0	
1372	0	142	06:51:10.266	117GP105A106A4HA	7STRP	0.0.-0.029009.0,	Slew =-0.66	4R3	4	0	5.525,659:13.0	
1373	0	142	06:52:09.600	117GP105A106A4HB	7STRP	0.003.0.029129.0	Slew =12.01	4R3	4	0	5.525,660:11.0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
1374	0	142	06:52:20.933	117GP105A106A4HC	7STRP	0.0,-0.0,0.029009,0,	Slew = 0.66	4R3	4	0	5,525,660:280	
1375	0	142	06:53:20.266	117GP105A106A4HD	7STRP	0.003,0.029129,0,	Slew = 12.01	4R3	4	0	5,525,661:260	
1376	0	142	06:53:31.600	117GP105A106A4HE	7STRP	0.0,-0.0,0.029009,0,	Slew = 0.66	4R3	4	0	5,525,661:430	
1377	0	142	06:54:30.933	117GP105A106A4HF	7STRP	0.003,0.029129,0,	Slew = 12.01	4R3	4	0	5,525,662:410	
1378	0	142	06:54:42.266	117GP105A106A4HG	7STRP	0.0,-0.0,0.029009,0,	Slew = 0.66	4R3	4	0	5,525,662:580	
1379	0	142	06:55:41.600	117GP105A106A4HH	7STRP	0.003,0.029129,0,	Slew = 12.01	4R3	4	0	5,525,663:560	
1380	0	142	06:55:52.933	117GP105A106A4HI	7STRP	0.0,-0.0,0.029009,0,	Slew = 0.66	4R3	4	0	5,525,663:730	
1381	0	142	06:56:52.266	117GP11A	CSMOS	GE	***** GROUP END CSMOS	4R3	4	0	5,525,664:710	
1382	0	142	06:57:34.266		DMS:	: *US-RUNUP	P7, TRACK 1, *FWD, TIC 4655.82 +/- 4	4R3	4	0	5,525,665:430	
1383	0	142	06:57:34.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5,525,665:430	
1384	0	142	06:57:35.600	176GP6B	6TMREC	NRC	NO RECORD Record Mode Change	4R3	4	0	5,525,665:430	
1385	0	142	06:57:35.666		DMS:	: *US AT SP	P7, TRACK 1, FWD, TIC *4655.94 +/- 4	4R3	4	0	5,525,665:451	
1386	0	142	06:57:40.933		DMS:	: *US RD	P7, TRACK 1, FWD, TIC *4657.18 +/- 4	4R3	4	0	5,525,665:530	
1387	0	142	06:57:42.133		DMS:	: *RUNUP	R7, TRACK 2, *REV, TIC *4657.24 +/- 4	4R3	4	0	5,525,665:548	
1388	0	142	06:57:43.533		DMS:	: *AT SPD	R7, TRACK 2, REV, TIC *4657.12 +/- 4	4R3	4	0	5,525,665:569	
1389	0	142	06:57:59.600		DMS:	: *RECORD	R7, TRACK 2, REV, TIC *4653.35 +/- 4	4R3	4	0	5,525,665:810	
1390	0	142	06:58:21.600	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5,525,666:230	
1391	0	142	06:58:21.600		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *4648.19 +/- 4	4R3	4	0	5,525,666:230	
1392	0	142	06:58:22.800		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4648.13 +/- 4	4R3	4	0	5,525,666:248	
1393	0	142	07:19:19.600	165GQ4A	7SCAN	NORM:1.403,-3.71	Check SIP Position	4R3	4	0	5,525,686:900	
1394	0	142	07:23:22.933	176GQ6A	6TMREC	BPT	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	5,525,691:000	
1395	0	142	07:24:14.266	117GQ	CSMOS	GS	***** GROUP START CSMOS	4R3	4	0	5,525,691:770	
1396	0	142	07:24:23.600	117GQ105A106A4A	7STRP	0.0,-0.0,0.13001,0,	Slew = 0.76	4R3	4	0	5,525,692:000	
1397	0	142	07:24:55.600	117GQ105A106A4B	7STRP	0.0022,0.013051,	Slew = 12.01	4R3	4	0	5,525,692:480	
1398	0	142	07:25:07.600	117GQ105A106A4C	7STRP	0.0,-0.0,0.13001,0,	Slew = 0.76	4R3	4	0	5,525,692:660	
1399	0	142	07:25:39.600	117GQ105A106A4D	7STRP	0.0022,0.013051,	Slew = 12.01	4R3	4	0	5,525,693:230	
1400	0	142	07:25:51.600	117GQ105A106A4E	7STRP	0.0,-0.0,0.13001,0,	Slew = 0.76	4R3	4	0	5,525,693:410	
1401	0	142	07:26:23.600	117GQ105A106A4F	7STRP	0.0022,0.013051,	Slew = 12.01	4R3	4	0	5,525,693:890	
1402	0	142	07:26:35.600	117GQ105A106A4G	7STRP	0.0,-0.0,0.13001,0,	Slew = 0.76	4R3	4	0	5,525,694:160	
1403	0	142	07:27:07.600	117GQ105A106A4H	7STRP	0.0022,0.013051,	Slew = 12.01	4R3	4	0	5,525,694:640	
1404	0	142	07:27:19.600	117GQ105A106A4I	7STRP	0.0,-0.0,0.13001,0,	Slew = 0.76	4R3	4	0	5,525,694:820	
1405	0	142	07:27:51.600	117GQ105A106A4J	7STRP	0.0022,0.013051,	Slew = 12.01	4R3	4	0	5,525,695:390	
1406	0	142	07:28:03.600	117GQ105A106A4K	7STRP	0.0,-0.0,0.13001,0,	Slew = 0.76	4R3	4	0	5,525,695:570	
1407	0	142	07:28:35.600	117GQ105A106A4L	7STRP	0.0022,0.013051,	Slew = 12.01	4R3	4	0	5,525,696:140	
1408	0	142	07:28:47.600	117GQ105A106A4M	7STRP	0.0,-0.0,0.13001,0,	Slew = 0.76	4R3	4	0	5,525,696:320	
1409	0	142	07:29:19.600	117GQ105A106A4N	7STRP	0.0022,0.013051,	Slew = 12.01	4R3	4	0	5,525,696:800	
1410	0	142	07:29:31.600	117GQ105A106A4O	7STRP	0.0,-0.0,0.13001,0,	Slew = 0.76	4R3	4	0	5,525,697:070	
1411	0	142	07:30:03.600	117GQ105A106A4P	7STRP	0.0022,0.013051,	Slew = 12.01	4R3	4	0	5,525,697:550	
1412	0	142	07:30:15.600	117GQ105A106A4Q	7STRP	0.0,-0.0,0.13001,0,	Slew = 0.76	4R3	4	0	5,525,697:730	
1413	0	142	07:30:47.600	117GQ105A106A4R	7STRP	0.0022,0.013051,	Slew = 12.01	4R3	4	0	5,525,698:300	
1414	0	142	07:30:59.600	117GQ105A106A4S	7STRP	0.0,-0.0,0.13001,0,	Slew = 0.76	4R3	4	0	5,525,698:480	
1415	0	142	07:31:31.600	117GQ105A106A4T	7STRP	0.0022,0.013051,	Slew = 12.01	4R3	4	0	5,525,699:050	
1416	0	142	07:31:43.600	117GQ105A106A4U	7STRP	0.0,-0.0,0.13001,0,	Slew = 0.76	4R3	4	0	5,525,699:230	
1417	0	142	07:32:15.600	117GQ105A106A4V	7STRP	0.0022,0.013051,	Slew = 12.01	4R3	4	0	5,525,699:710	
1418	0	142	07:32:27.600	117GQ105A106A4W	7STRP	0.0,-0.0,0.13001,0,	Slew = 0.76	4R3	4	0	5,525,699:890	
1419	0	142	07:32:59.600	117GQ105A106A4X	7STRP	0.0022,0.013051,	Slew = 12.01	4R3	4	0	5,525,700:460	
1420	0	142	07:33:11.600	117GQ105A106A4Y	7STRP	0.0,-0.0,0.13001,0,	Slew = 0.76	4R3	4	0	5,525,700:640	
1421	0	142	07:33:43.600	117GQ105A106A4Z	7STRP	0.0022,0.013051,	Slew = 12.01	4R3	4	0	5,525,701:210	
1422	0	142	07:33:55.600	117GQ105A106A4AA	7STRP	0.0,-0.0,0.13001,0,	Slew = 0.76	4R3	4	0	5,525,701:390	
1423	0	142	07:34:27.600	117GQ105A106A4AB	7STRP	0.0022,0.013051,	Slew = 12.01	4R3	4	0	5,525,701:870	
1424	0	142	07:34:39.600	117GQ105A106A4AC	7STRP	0.0,-0.0,0.13001,0,	Slew = 0.76	4R3	4	0	5,525,702:140	
1425	0	142	07:35:11.600	117GQ105A106A4AD	7STRP	0.0022,0.013051,	Slew = 12.01	4R3	4	0	5,525,702:620	
1426	0	142	07:35:23.600	117GQ105A106A4AE	7STRP	0.0,-0.0,0.13001,0,	Slew = 0.76	4R3	4	0	5,525,702:800	
1427	0	142	07:35:34.933	488AJ6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4R3	4	0	5,525,703:060	
1428	0	142	07:35:55.600	117GQ105A106A4AF	7STRP	0.0022,0.013051,	Slew = 12.01	4R3	4	0	5,525,703:370	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
1429	0	142	07:35:57.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5.525,703:40.0	
1430	0	142	07:35:57.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC *4648.13 +/- 4	4R3	4	0	5.525,703:40.0	
1431	0	142	07:35:59.000		DMS:	: *US AT SP	P7, TRACK 1, FWD, TIC *4648.25 +/- 4	4R3	4	0	5.525,703:42.1	
1432	0	142	07:36:04.266		DMS:	: *US RD	P7, TRACK 1, FWD, TIC *4649.49 +/- 4	4R3	4	0	5.525,703:50.0	
1433	0	142	07:36:05.466		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4649.55 +/- 4	4R3	4	0	5.525,703:51.8	
1434	0	142	07:36:06.866		DMS:	: *AT SPD	R7, TRACK 2, REV, TIC *4649.43 +/- 4	4R3	4	0	5.525,703:53.9	
1435	0	142	07:36:07.600	117GQ105A106A4AG	7STRP	0.0.-0.013001.0,	Slew = 0.76	4R3	4	0	5.525,703:55.0	
1436	0	142	07:36:22.933		DMS:	: *RECORD	R7, TRACK 2, REV, TIC *4645.66 +/- 4	4R3	4	0	5.525,703:78.0	
1437	0	142	07:36:39.600	117GQ105A106A4AH	7STRP	0.0022.0.013051,	Slew = 12.01	4R3	4	0	5.525,704:12.0	
1438	0	142	07:36:45.600	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5.525,704:21.0	
1439	0	142	07:36:45.600		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *4640.35 +/- 4	4R3	4	0	5.525,704:21.0	
1440	0	142	07:36:46.800		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4640.29 +/- 4	4R3	4	0	5.525,704:22.8	
1441	0	142	07:36:51.600	117GQ105A106A4AI	7STRP	0.0.-0.013001.0,	Slew = 0.76	4R3	4	0	5.525,704:30.0	
1442	0	142	07:37:23.600	117GQ105A106A4AJ	7STRP	0.0022.0.013051,	Slew = 12.01	4R3	4	0	5.525,704:78.0	
1443	0	142	07:37:35.600	117GQ105A106A4AK	7STRP	0.0.-0.013001.0,	Slew = 0.76	4R3	4	0	5.525,705:05.0	
1444	0	142	07:38:07.600	117GQ105A106A4AL	7STRP	0.0022.0.013051,	Slew = 12.01	4R3	4	0	5.525,705:53.0	
1445	0	142	07:38:19.600	117GQ105A106A4AM	7STRP	0.0.-0.013001.0,	Slew = 0.76	4R3	4	0	5.525,705:71.0	
1446	0	142	07:38:51.600	117GQ105A106A4AN	7STRP	0.0022.0.013051,	Slew = 12.01	4R3	4	0	5.525,706:28.0	
1447	0	142	07:39:03.600	117GQ105A106A4AO	7STRP	0.0.-0.013001.0,	Slew = 0.76	4R3	4	0	5.525,706:46.0	
1448	0	142	07:39:35.600	117GQ105A106A4AP	7STRP	0.0022.0.013051,	Slew = 12.01	4R3	4	0	5.525,707:03.0	
1449	0	142	07:39:47.600	117GQ105A106A4AQ	7STRP	0.0.-0.013001.0,	Slew = 0.76	4R3	4	0	5.525,707:21.0	
1450	0	142	07:40:19.600	117GQ105A106A4AR	7STRP	0.0022.0.013051,	Slew = 12.01	4R3	4	0	5.525,707:69.0	
1451	0	142	07:40:31.600	117GQ105A106A4AS	7STRP	0.0.-0.013001.0,	Slew = 0.76	4R3	4	0	5.525,707:87.0	
1452	0	142	07:41:03.600	117GQ105A106A4AT	7STRP	0.0022.0.013051,	Slew = 12.01	4R3	4	0	5.525,708:44.0	
1453	0	142	07:41:15.600	117GQ105A106A4AU	7STRP	0.0.-0.013001.0,	Slew = 0.76	4R3	4	0	5.525,708:62.0	
1454	0	142	07:41:47.600	117GQ105A106A4AV	7STRP	0.0022.0.013051,	Slew = 12.01	4R3	4	0	5.525,709:19.0	
1455	0	142	07:41:59.600	117GQ105A106A4AW	7STRP	0.0.-0.013001.0,	Slew = 0.76	4R3	4	0	5.525,709:37.0	
1456	0	142	07:42:31.600	117GQ105A106A4AX	7STRP	0.0022.0.013051,	Slew = 12.01	4R3	4	0	5.525,709:85.0	
1457	0	142	07:42:43.600	117GQ105A106A4AY	7STRP	0.0.-0.013001.0,	Slew = 0.76	4R3	4	0	5.525,710:12.0	
1458	0	142	07:43:15.600	117GQ105A106A4AZ	7STRP	0.0022.0.013051,	Slew = 12.01	4R3	4	0	5.525,710:60.0	
1459	0	142	07:43:27.600	117GQ105A106A4BA	7STRP	0.0.-0.013001.0,	Slew = 0.76	4R3	4	0	5.525,710:78.0	
1460	0	142	07:43:59.600	117GQ105A106A4BB	7STRP	0.0022.0.013051,	Slew = 12.01	4R3	4	0	5.525,711:35.0	
1461	0	142	07:44:11.600	117GQ105A106A4BC	7STRP	0.0.-0.013001.0,	Slew = 0.76	4R3	4	0	5.525,711:53.0	
1462	0	142	07:44:43.600	117GQ105A106A4BD	7STRP	0.0022.0.013051,	Slew = 12.01	4R3	4	0	5.525,712:10.0	
1463	0	142	07:44:55.600	117GQ105A106A4BE	7STRP	0.0.-0.013001.0,	Slew = 0.76	4R3	4	0	5.525,712:28.0	
1464	0	142	07:45:27.600	117GQ105A106A4BF	7STRP	0.0022.0.013051,	Slew = 12.01	4R3	4	0	5.525,712:76.0	
1465	0	142	07:45:39.600	117GQ105A106A4BG	7STRP	0.0.-0.013001.0,	Slew = 0.76	4R3	4	0	5.525,713:03.0	
1466	0	142	07:46:11.600	117GQ105A106A4BH	7STRP	0.0022.0.013051,	Slew = 12.01	4R3	4	0	5.525,713:51.0	
1467	0	142	07:46:23.600	117GQ105A106A4BI	7STRP	0.0.-0.013001.0,	Slew = 0.76	4R3	4	0	5.525,713:69.0	
1468	0	142	07:46:55.600	117GQ105A106A4BJ	7STRP	0.0022.0.013051,	Slew = 12.01	4R3	4	0	5.525,714:26.0	
1469	0	142	07:47:07.600	117GQ105A106A4BK	7STRP	0.0.-0.013001.0,	Slew = 0.76	4R3	4	0	5.525,714:44.0	
1470	0	142	07:47:39.600	117GQ105A106A4BL	7STRP	0.0022.0.013051,	Slew = 12.01	4R3	4	0	5.525,715:01.0	
1471	0	142	07:47:51.600	117GQ105A106A4BM	7STRP	0.0.-0.013001.0,	Slew = 0.76	4R3	4	0	5.525,715:19.0	
1472	0	142	07:48:23.600	117GQ105A106A4BN	7STRP	0.0022.0.013051,	Slew = 12.01	4R3	4	0	5.525,715:67.0	
1473	0	142	07:48:35.600	117GQ105A106A4BO	7STRP	0.0.-0.013001.0,	Slew = 0.76	4R3	4	0	5.525,715:85.0	
1474	0	142	07:48:59.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC *4640.29 +/- 4	4R3	4	0	5.525,716:30.0	
1475	0	142	07:48:59.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5.525,716:30.0	
1476	0	142	07:49:01.000		DMS:	: *US AT SP	P7, TRACK 1, FWD, TIC *4640.41 +/- 4	4R3	4	0	5.525,716:32.1	
1477	0	142	07:49:06.266		DMS:	: *US RD	P7, TRACK 1, FWD, TIC *4641.65 +/- 4	4R3	4	0	5.525,716:40.0	
1478	0	142	07:49:07.466		DMS:	: *RUNDOWN	R7, TRACK *2, *REV, TIC *4641.71 +/- 4	4R3	4	0	5.525,716:41.8	
1479	0	142	07:49:07.600	117GQ105A106A4BP	7STRP	0.0022.0.013051,	Slew = 12.01	4R3	4	0	5.525,716:42.0	
1480	0	142	07:49:08.866		DMS:	: *AT SPD	R7, TRACK 2, REV, TIC *4641.59 +/- 4	4R3	4	0	5.525,716:43.9	
1481	0	142	07:49:19.600	117GQ105A106A4BQ	7STRP	0.0.-0.013001.0,	Slew = 0.76	4R3	4	0	5.525,716:60.0	
1482	0	142	07:49:24.933		DMS:	: *RECORD	R7, TRACK 2, REV, TIC *4637.82 +/- 4	4R3	4	0	5.525,716:68.0	
1483	0	142	07:49:47.600	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5.525,717:11.0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
1484	0	142	07:49:47.600		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *4632.51 +/- 4	4R3	4	0	5.525,717:11.0	
1485	0	142	07:49:48.800		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4632.45 +/- 4	4R3	4	0	5.525,717:12.8	
1486	0	142	07:49:51.600	117GQ105A106A4BR	7STRP	0.00220.013051,	Slew =12.01	4R3	4	0	5.525,717:17.0	
1487	0	142	07:50:03.600	117GQ105A106A4BS	7STRP	0.0-0.013001.0,	Slew =0.76	4R3	4	0	5.525,717:35.0	
1488	0	142	07:50:35.600	117GQ105A106A4BT	7STRP	0.00220.013051,	Slew =12.01	4R3	4	0	5.525,717:83.0	
1489	0	142	07:50:47.600	117GQ105A106A4BU	7STRP	0.0-0.013001.0,	Slew =-0.76	4R3	4	0	5.525,718:10.0	
1490	0	142	07:51:19.600	117GQ105A106A4BV	7STRP	0.00220.013051,	Slew =12.01	4R3	4	0	5.525,718:58.0	
1491	0	142	07:51:31.600	117GQ105A106A4BW	7STRP	0.0-0.013001.0,	Slew =-0.76	4R3	4	0	5.525,718:76.0	
1492	0	142	07:52:03.600	117GQ105A106A4BX	7STRP	0.00220.013051,	Slew =12.01	4R3	4	0	5.525,719:33.0	
1493	0	142	07:52:15.600	117GQ105A106A4BY	7STRP	0.0-0.013001.0,	Slew =-0.76	4R3	4	0	5.525,719:51.0	
1494	0	142	07:52:47.600	117GQ105A106A4BZ	7STRP	0.00220.013051,	Slew =12.01	4R3	4	0	5.525,720:08.0	
1495	0	142	07:52:59.600	117GQ105A106A4CA	7STRP	0.0-0.013001.0,	Slew =0.76	4R3	4	0	5.525,720:26.0	
1496	0	142	07:53:31.600	117GQ105A106A4CB	7STRP	0.00220.013051,	Slew =12.01	4R3	4	0	5.525,720:74.0	
1497	0	142	07:53:43.600	117GQ105A106A4CC	7STRP	0.0-0.013001.0,	Slew =0.76	4R3	4	0	5.525,721:01.0	
1498	0	142	07:54:15.600	117GQ105A106A4CD	7STRP	0.00220.013051,	Slew =12.01	4R3	4	0	5.525,721:49.0	
1499	0	142	07:54:27.600	117GQ105A106A4CE	7STRP	0.0-0.013001.0,	Slew =-0.76	4R3	4	0	5.525,721:67.0	
1500	0	142	07:54:59.600	117GQ105A106A4CF	7STRP	0.00220.013051,	Slew =12.01	4R3	4	0	5.525,722:24.0	
1501	0	142	07:55:11.600	117GQ105A106A4CG	7STRP	0.0-0.013001.0,	Slew =-0.76	4R3	4	0	5.525,722:42.0	
1502	0	142	07:55:43.600	117GQ105A106A4CH	7STRP	0.00220.013051,	Slew =12.01	4R3	4	0	5.525,722:90.0	
1503	0	142	07:55:55.600	117GQ105A106A4CI	7STRP	0.0-0.013001.0,	Slew =-0.76	4R3	4	0	5.525,723:17.0	
1504	0	142	07:56:27.600	117GQ105A106A4CJ	7STRP	0.00220.013051,	Slew =12.01	4R3	4	0	5.525,723:65.0	
1505	0	142	07:56:39.600	117GQ105A106A4CK	7STRP	0.0-0.013001.0,	Slew =0.76	4R3	4	0	5.525,723:83.0	
1506	0	142	07:57:11.600	117GQ105A106A4CL	7STRP	0.00220.013051,	Slew =12.01	4R3	4	0	5.525,724:40.0	
1507	0	142	07:57:23.600	117GQ105A106A4CM	7STRP	0.0-0.013001.0,	Slew =0.76	4R3	4	0	5.525,724:58.0	
1508	0	142	07:57:55.600	117GQ105A106A4CN	7STRP	0.00220.013051,	Slew =12.01	4R3	4	0	5.525,725:15.0	
1509	0	142	07:58:07.600	117GQ105A106A4CO	7STRP	0.0-0.013001.0,	Slew =-0.76	4R3	4	0	5.525,725:33.0	
1510	0	142	07:58:39.600	117GQ105A106A4CP	7STRP	0.00220.013051,	Slew =12.01	4R3	4	0	5.525,725:81.0	
1511	0	142	07:58:51.600	117GQ105A106A4CQ	7STRP	0.0-0.013001.0,	Slew =-0.76	4R3	4	0	5.525,726:08.0	
1512	0	142	07:59:23.600	117GQ105A106A4CR	7STRP	0.00220.013051,	Slew =12.01	4R3	4	0	5.525,726:56.0	
1513	0	142	07:59:35.600	117GQ105A106A4CS	7STRP	0.0-0.013001.0,	Slew =-0.76	4R3	4	0	5.525,726:74.0	
1514	0	142	08:00:07.600	117GQ105A106A4CT	7STRP	0.00220.013051,	Slew =12.01	4R3	4	0	5.525,727:31.0	
1515	0	142	08:00:19.600	117GQ105A106A4CU	7STRP	0.0-0.013001.0,	Slew =0.76	4R3	4	0	5.525,727:49.0	
1516	0	142	08:00:51.600	117GQ105A106A4CV	7STRP	0.00220.013051,	Slew =12.01	4R3	4	0	5.525,728:06.0	
1517	0	142	08:01:03.600	117GQ105A106A4CW	7STRP	0.0-0.013001.0,	Slew =0.76	4R3	4	0	5.525,728:24.0	
1518	0	142	08:01:35.600	117GQ105A106A4CX	7STRP	0.00220.013051,	Slew =12.01	4R3	4	0	5.525,728:72.0	
1519	0	142	08:01:47.600	117GQ105A106A4CY	7STRP	0.0-0.013001.0,	Slew =-0.76	4R3	4	0	5.525,728:90.0	
1520	0	142	08:02:01.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4632.45 +/- 4	4R3	4	0	5.525,729:20.0	
1521	0	142	08:02:01.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5.525,729:20.0	
1522	0	142	08:02:03.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4632.57 +/- 4	4R3	4	0	5.525,729:22.1	
1523	0	142	08:02:08.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4633.80 +/- 4	4R3	4	0	5.525,729:30.0	
1524	0	142	08:02:09.466		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4633.86 +/- 4	4R3	4	0	5.525,729:31.8	
1525	0	142	08:02:10.866		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4633.74 +/- 4	4R3	4	0	5.525,729:33.9	
1526	0	142	08:02:19.600	117GQ105A106A4CZ	7STRP	0.00220.013051,	Slew =12.01	4R3	4	0	5.525,729:47.0	
1527	0	142	08:02:26.933		DMS:	: *RECORD	R7, TRACK 2, REV, TIC *4629.98 +/- 4	4R3	4	0	5.525,729:58.0	
1528	0	142	08:02:31.600	117GQ105A106A4DA	7STRP	0.0-0.013001.0,	Slew =-0.76	4R3	4	0	5.525,729:65.0	
1529	0	142	08:02:49.600	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5.525,730:01.0	
1530	0	142	08:02:49.600		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *4624.66 +/- 4	4R3	4	0	5.525,730:01.0	
1531	0	142	08:02:50.800		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4624.60 +/- 4	4R3	4	0	5.525,730:02.8	
1532	0	142	08:03:03.600	117GQ105A106A4DB	7STRP	0.00220.013051,	Slew =12.01	4R3	4	0	5.525,730:22.0	
1533	0	142	08:03:15.600	117GQ105A106A4DC	7STRP	0.0-0.013001.0,	Slew =-0.76	4R3	4	0	5.525,730:40.0	
1534	0	142	08:03:47.600	117GQ105A106A4DD	7STRP	0.00220.013051,	Slew =12.01	4R3	4	0	5.525,730:88.0	
1535	0	142	08:03:59.600	117GQ105A106A4DE	7STRP	0.0-0.013001.0,	Slew =0.76	4R3	4	0	5.525,731:15.0	
1536	0	142	08:04:31.600	117GQ105A106A4DF	7STRP	0.00220.013051,	Slew =12.01	4R3	4	0	5.525,731:63.0	
1537	0	142	08:04:43.600	117GQ105A106A4DG	7STRP	0.0-0.013001.0,	Slew =0.76	4R3	4	0	5.525,731:81.0	
1538	0	142	08:05:15.600	117GQ105A106A4DH	7STRP	0.00220.013051,	Slew =12.01	4R3	4	0	5.525,732:38.0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
1539	0	142	08:05:27.600	117GQ105A106A4DI	7STRP	0.0,-0.013001,0,	Slew = 0.76	4R3	4	0	5.525,732:56:0	
1540	0	142	08:05:59.600	117GQ105A106A4DJ	7STRP	0.0022,0.013051,	Slew = 12.01	4R3	4	0	5.525,733:13:0	
1541	0	142	08:06:11.600	117GQ105A106A4DK	7STRP	0.0,-0.013001,0,	Slew = 0.76	4R3	4	0	5.525,733:31:0	
1542	0	142	08:06:43.600	117GQ105A106A4DL	7STRP	0.0022,0.013051,	Slew = 12.01	4R3	4	0	5.525,733:79:0	
1543	0	142	08:06:55.600	117GQ105A106A4DM	7STRP	0.0,-0.013001,0,	Slew = 0.76	4R3	4	0	5.525,734:06:0	
1544	0	142	08:07:27.600	117GQ105A106A4DN	7STRP	0.0022,0.013051,	Slew = 12.01	4R3	4	0	5.525,734:54:0	
1545	0	142	08:07:39.600	117GQ105A106A4DO	7STRP	0.0,-0.013001,0,	Slew = 0.76	4R3	4	0	5.525,734:72:0	
1546	0	142	08:08:11.600	117GQ111A	CSMOS	GE	***** GROUP END CSMOS	4R3	4	0	5.525,735:29:0	
1547	0	142	08:10:23.600	176GQ6B	6TMREC	NRC	NO RECORD Record Mode Change	4R3	4	0	5.525,737:45:0	
1548	0	142	08:10:25.600		DMS:	:US-RUNUP	P7, TRACK *1, *FWD, TIC 4624.60 +/- 4	4R3	4	0	5.525,737:48:0	
1549	0	142	08:10:25.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5.525,737:48:0	
1550	0	142	08:10:27.000		DMS:	:US AT SP	P7, TRACK 1, FWD, TIC *4624.72 +/- 4	4R3	4	0	5.525,737:50:1	
1551	0	142	08:10:32.266		DMS:	:US RD	P7, TRACK 1, FWD, TIC *4625.96 +/- 4	4R3	4	0	5.525,737:58:0	
1552	0	142	08:10:33.466		DMS:	:RUNUP	R7, TRACK *2, *REV, TIC *4626.02 +/- 4	4R3	4	0	5.525,737:59:8	
1553	0	142	08:10:34.866		DMS:	:AT SPD	R7, TRACK 2, REV, TIC *4625.90 +/- 4	4R3	4	0	5.525,737:61:9	
1554	0	142	08:10:35.600		DMS:	:RECORD	R7, TRACK 2, REV, TIC *4625.73 +/- 4	4R3	4	0	5.525,737:63:0	
1555	0	142	08:10:52.933	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5.525,737:89:0	
1556	0	142	08:10:52.933		DMS:	:RUNDOWN	R7, TRACK 2, REV, TIC *4621.66 +/- 4	4R3	4	0	5.525,737:89:0	
1557	0	142	08:10:54.133		DMS:	:READY	RDY, TRACK 2, REV, TIC *4621.60 +/- 4	4R3	4	0	5.525,737:90:8	
1558	0	142	08:15:57.600	411JH6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5.525,743:00:0	
1559	0	142	08:15:57.600		DMS:	:US-RUNUP	P7, TRACK *1, *FWD, TIC 4621.60 +/- 4	4R3	4	0	5.525,743:00:0	
1560	0	142	08:15:59.000		DMS:	:US AT SP	P7, TRACK 1, FWD, TIC *4621.72 +/- 4	4R3	4	0	5.525,743:02:1	
1561	0	142	08:16:04.266		DMS:	:US RD	P7, TRACK 1, FWD, TIC *4622.96 +/- 4	4R3	4	0	5.525,743:10:0	
1562	0	142	08:16:05.466		DMS:	:RUNUP	R7, TRACK *2, *REV, TIC *4623.02 +/- 4	4R3	4	0	5.525,743:11:8	
1563	0	142	08:16:06.866		DMS:	:RECORD	R7, TRACK 2, REV, TIC *4622.90 +/- 4	4R3	4	0	5.525,743:13:9	
1564	0	142	08:16:06.866		DMS:	:AT SPD	R7, TRACK 2, REV, TIC 4622.90 +/- 4	4R3	4	0	5.525,743:13:9	
1565	0	142	08:16:07.600	411JH6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4R3	4	0	5.525,743:15:0	
1566	0	142	08:16:57.600	165GR4A	7SCAN	NORM:6.373.2.956	Check S/P Position	4R3	4	0	5.525,743:90:0	
1567	0	142	08:18:08.933	411JH6C	6TMREC	NRC	NO RECORD Record Mode Change	4R3	4	0	5.525,745:15:0	
1568	0	142	08:18:11.600	175TO176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4R3	4	0	5.525,745:19:0	
1569	0	142	08:18:12.266	175TO422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5.525,745:20:0	
1570	0	142	08:18:18.933		DMS:	:RUNDOWN	R7, TRACK 2, REV, TIC *4591.94 +/- 4	4R3	4	0	5.525,745:30:0	
1571	0	142	08:18:18.933	175TO422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5.525,745:30:0	
1572	0	142	08:18:20.133		DMS:	:READY	RDY, TRACK 2, REV, TIC *4591.88 +/- 4	4R3	4	0	5.525,745:31:8	
1573	0	142	08:21:00.933	176GR6A	6TMREC	BPT	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	5.525,748:00:0	
1574	0	142	08:21:52.266	117GR	CSMOS	GS	***** GROUP START CSMOS	4R3	4	0	5.525,748:77:0	
1575	0	142	08:22:01.600	117GR105A106A4A	7STRP	0.072125,0.0,0.0	Slew = 0.66	4R3	4	0	5.525,749:00:0	
1576	0	142	08:23:56.266	117GR105A106A4B	7STRP	-0.066096,-0.001	Slew = 12.01	4R3	4	0	5.525,750:81:0	
1577	0	142	08:24:05.600	117GR105A106A4C	7STRP	0.072125,0.0,0.0	Slew = 0.66	4R3	4	0	5.525,751:04:0	
1578	0	142	08:26:00.266	117GR105A106A4D	7STRP	-0.066096,-0.001	Slew = 12.01	4R3	4	0	5.525,752:85:0	
1579	0	142	08:26:09.600	117GR105A106A4E	7STRP	0.072125,0.0,0.0	Slew = 0.66	4R3	4	0	5.525,753:08:0	
1580	0	142	08:28:04.266	117GR105A106A4F	7STRP	-0.066096,-0.001	Slew = 12.01	4R3	4	0	5.525,754:89:0	
1581	0	142	08:28:13.600	117GR105A106A4G	7STRP	0.072125,0.0,0.0	Slew = 0.66	4R3	4	0	5.525,755:12:0	
1582	0	142	08:30:08.266	117GR105A106A4H	7STRP	-0.066096,-0.001	Slew = 12.01	4R3	4	0	5.525,757:02:0	
1583	0	142	08:30:17.600	117GR105A106A4I	7STRP	0.072125,0.0,0.0	Slew = 0.66	4R3	4	0	5.525,757:16:0	
1584	0	142	08:32:12.266	117GR105A106A4J	7STRP	-0.066096,-0.001	Slew = 12.01	4R3	4	0	5.525,759:06:0	
1585	0	142	08:32:21.600	117GR105A106A4K	7STRP	0.072125,0.0,0.0	Slew = 0.66	4R3	4	0	5.525,759:20:0	
1586	0	142	08:33:35.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5.525,760:40:0	
1587	0	142	08:33:35.600		DMS:	:US-RUNUP	P7, TRACK *1, *FWD, TIC 4591.88 +/- 4	4R3	4	0	5.525,760:40:0	
1588	0	142	08:33:37.000		DMS:	:US AT SP	P7, TRACK 1, FWD, TIC *4592.00 +/- 4	4R3	4	0	5.525,760:42:1	
1589	0	142	08:33:42.266		DMS:	:US RD	R7, TRACK 1, FWD, TIC *4593.24 +/- 4	4R3	4	0	5.525,760:51:8	
1590	0	142	08:33:43.466		DMS:	:RUNUP	R7, TRACK *2, *REV, TIC *4593.30 +/- 4	4R3	4	0	5.525,760:51:8	
1591	0	142	08:33:44.866		DMS:	:AT SPD	R7, TRACK 2, REV, TIC *4593.18 +/- 4	4R3	4	0	5.525,760:53:9	
1592	0	142	08:34:00.933		DMS:	:RECORD	R7, TRACK 2, REV, TIC *4589.41 +/- 4	4R3	4	0	5.525,760:78:0	
1593	0	142	08:34:16.266	117GR105A106A4L	7STRP	-0.066096,-0.001	Slew = 12.01	4R3	4	0	5.525,761:10:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
1594	0	142	08:34:23.600		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *4584.10 +/- 4	4R3	4	0	5.525,761:21.0	
1595	0	142	08:34:23.600	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5.525,761:21.0	
1596	0	142	08:34:24.800		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4584.04 +/- 4	4R3	4	0	5.525,761:22.8	
1597	0	142	08:34:25.600	117GR105A106A4M	7STRP	0.072125,0.0,0.0	Slew = 0.66	4R3	4	0	5.525,761:24.0	
1598	0	142	08:36:20.266	117GR105A106A4N	7STRP	-0.066096,-0.001	Slew = 12.01	4R3	4	0	5.525,763:14.0	
1599	0	142	08:36:29.600	117GR105A106A4O	7STRP	0.072125,0.0,0.0	Slew = 0.66	4R3	4	0	5.525,763:28.0	
1600	0	142	08:38:24.266	117GR105A106A4P	7STRP	-0.066096,-0.001	Slew = 12.01	4R3	4	0	5.525,765:18.0	
1601	0	142	08:38:33.600	117GR105A106A4Q	7STRP	0.072125,0.0,0.0	Slew = 0.66	4R3	4	0	5.525,765:32.0	
1602	0	142	08:40:28.266	117GR105A106A4R	7STRP	-0.066096,-0.001	Slew = 12.01	4R3	4	0	5.525,767:22.0	
1603	0	142	08:40:37.600	117GR105A106A4S	7STRP	0.072125,0.0,0.0	Slew = 0.66	4R3	4	0	5.525,767:36.0	
1604	0	142	08:42:32.266	117GR105A106A4T	7STRP	-0.066096,-0.001	Slew = 12.01	4R3	4	0	5.525,769:26.0	
1605	0	142	08:42:41.600	117GR105A106A4U	7STRP	0.072125,0.0,0.0	Slew = 0.66	4R3	4	0	5.525,769:40.0	
1606	0	142	08:44:36.266	117GR105A106A4V	7STRP	-0.066096,-0.001	Slew = 12.01	4R3	4	0	5.525,771:30.0	
1607	0	142	08:44:45.600	117GR105A106A4W	7STRP	0.072125,0.0,0.0	Slew = 0.66	4R3	4	0	5.525,771:44.0	
1608	0	142	08:46:37.600	50ZZ6XX	6DMSC	RDY,0	DMS Control Tape runup 7.68kps	4R3	4	0	5.525,773:30.0	
1609	0	142	08:46:37.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4584.04 +/- 4	4R3	4	0	5.525,773:30.0	
1610	0	142	08:46:39.000		DMS:	: *US_AT SP	P7, TRACK 1, FWD, TIC *4584.16 +/- 4	4R3	4	0	5.525,773:32.1	
1611	0	142	08:46:40.266	117GR105A106A4X	7STRP	-0.066096,-0.001	Slew = 12.01	4R3	4	0	5.525,773:34.0	
1612	0	142	08:46:44.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4585.40 +/- 4	4R3	4	0	5.525,773:40.0	
1613	0	142	08:46:45.466		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4585.46 +/- 4	4R3	4	0	5.525,773:41.8	
1614	0	142	08:46:46.866		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4585.34 +/- 4	4R3	4	0	5.525,773:43.9	
1615	0	142	08:46:49.600	117GR105A106A4Y	7STRP	0.072125,0.0,0.0	Slew = 0.66	4R3	4	0	5.525,773:48.0	
1616	0	142	08:47:02.933		DMS:	: *RECORD	R7, TRACK 2, REV, TIC *4581.57 +/- 4	4R3	4	0	5.525,773:68.0	
1617	0	142	08:47:25.600		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *4576.26 +/- 4	4R3	4	0	5.525,774:11.0	
1618	0	142	08:47:25.600	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5.525,774:11.0	
1619	0	142	08:47:26.800		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4576.20 +/- 4	4R3	4	0	5.525,774:12.8	
1620	0	142	08:48:44.266	117GR105A106A4Z	7STRP	-0.066096,-0.001	Slew = 12.01	4R3	4	0	5.525,775:38.0	
1621	0	142	08:48:53.600	117GR105A106A4A	7STRP	0.072125,0.0,0.0	Slew = 0.66	4R3	4	0	5.525,775:52.0	
1622	0	142	08:50:48.266	117GR105A106A4AB	7STRP	-0.066096,-0.001	Slew = 12.01	4R3	4	0	5.525,777:42.0	
1623	0	142	08:50:57.600	117GR105A106A4AC	7STRP	0.072125,0.0,0.0	Slew = 0.66	4R3	4	0	5.525,777:56.0	
1624	0	142	08:52:52.266	117GR105A106A4AD	7STRP	-0.066096,-0.001	Slew = 12.01	4R3	4	0	5.525,779:46.0	
1625	0	142	08:53:01.600	117GR105A106A4AE	7STRP	0.072125,0.0,0.0	Slew = 0.66	4R3	4	0	5.525,779:60.0	
1626	0	142	08:54:56.266	117GR105A106A4AF	7STRP	-0.066096,-0.001	Slew = 12.01	4R3	4	0	5.525,781:50.0	
1627	0	142	08:55:05.600	117GR105A106A4AG	7STRP	0.072125,0.0,0.0	Slew = 0.66	4R3	4	0	5.525,781:64.0	
1628	0	142	08:57:00.266	117GR105A106A4AH	7STRP	-0.066096,-0.001	Slew = 12.01	4R3	4	0	5.525,783:54.0	
1629	0	142	08:57:09.600	117GR105A106A4AI	7STRP	0.072125,0.0,0.0	Slew = 0.66	4R3	4	0	5.525,783:68.0	
1630	0	142	08:59:04.266	117GR105A106A4AJ	7STRP	-0.066096,-0.001	Slew = 12.01	4R3	4	0	5.525,785:58.0	
1631	0	142	08:59:13.600	117GR105A106A4AK	7STRP	0.072125,0.0,0.0	Slew = 0.66	4R3	4	0	5.525,785:72.0	
1632	0	142	08:59:39.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4576.20 +/- 4	4R3	4	0	5.525,786:20.0	
1633	0	142	08:59:39.600	50ZZ6XX	6DMSC	RDY,0	DMS Control Tape runup 7.68kps	4R3	4	0	5.525,786:20.0	
1634	0	142	08:59:41.000		DMS:	: *US_AT SP	P7, TRACK 1, FWD, TIC *4576.32 +/- 4	4R3	4	0	5.525,786:22.1	
1635	0	142	08:59:46.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4577.55 +/- 4	4R3	4	0	5.525,786:30.0	
1636	0	142	08:59:47.466		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4577.61 +/- 4	4R3	4	0	5.525,786:31.8	
1637	0	142	08:59:48.866		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4577.49 +/- 4	4R3	4	0	5.525,786:33.9	
1638	0	142	09:00:00.266	480SE6A	6MROH	44,23E8,0A2	read from LLM2A44:23E8,0A2	4R3	4	0	5.525,786:51.0	
1639	0	142	09:00:04.933		DMS:	: *RECORD	R7, TRACK 2, REV, TIC *4573.73 +/- 4	4R3	4	0	5.525,786:58.0	
1640	0	142	09:00:27.600		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *4568.41 +/- 4	4R3	4	0	5.525,787:01.0	
1641	0	142	09:00:27.600	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5.525,787:01.0	
1642	0	142	09:00:28.800		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4568.35 +/- 4	4R3	4	0	5.525,787:02.8	
1643	0	142	09:01:08.266	117GR105A106A4AL	7STRP	-0.066096,-0.001	Slew = 12.01	4R3	4	0	5.525,787:62.0	
1644	0	142	09:01:17.600	117GR105A106A4AM	7STRP	0.072125,0.0,0.0	Slew = 0.66	4R3	4	0	5.525,787:76.0	
1645	0	142	09:03:12.266	117GR105A106A4AN	7STRP	-0.066096,-0.001	Slew = 12.01	4R3	4	0	5.525,789:66.0	
1646	0	142	09:03:21.600	117GR105A106A4AO	7STRP	0.072125,0.0,0.0	Slew = 0.66	4R3	4	0	5.525,789:80.0	
1647	0	142	09:05:16.266	117GR105A106A4AP	7STRP	-0.066096,-0.001	Slew = 12.01	4R3	4	0	5.525,791:70.0	
1648	0	142	09:05:25.600	117GR105A106A4AQ	7STRP	0.072125,0.0,0.0	Slew = 0.66	4R3	4	0	5.525,791:84.0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
1649	0	142	09:06:40.266	480SE6B	6MROH	45.23E8.0.B2	read from LLM2B45.23E8.0.B2	4R3	4	0	5.525,793:14.0	
1650	0	142	09:07:20.266	117GR105A106A4AR	7STRP	-0.066096,-0.001	Slew = 12.01	4R3	4	0	5.525,793:74.0	
1651	0	142	09:07:29.600	117GR105A106A4AS	7STRP	0.072125,0.0,0.0	Slew = -0.66	4R3	4	0	5.525,793:88.0	
1652	0	142	09:09:24.266	117GR105A106A4AT	7STRP	-0.066096,-0.001	Slew = 12.01	4R3	4	0	5.525,795:78.0	
1653	0	142	09:09:33.600	117GR105A106A4AU	7STRP	0.072125,0.0,0.0	Slew = -0.66	4R3	4	0	5.525,796:01.0	
1654	0	142	09:11:28.266	117GR105A106A4AV	7STRP	-0.066096,-0.001	Slew = 12.01	4R3	4	0	5.525,797:82.0	
1655	0	142	09:11:37.600	117GR105A106A4AW	7STRP	0.072125,0.0,0.0	Slew = 0.66	4R3	4	0	5.525,798:05.0	
1656	0	142	09:12:42.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4568.35 +/- 4	4R3	4	0	5.525,799:11.0	
1657	0	142	09:12:42.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5.525,799:11.0	
1658	0	142	09:12:43.666		DMS:	: *US AT SP	P7, TRACK 1, FWD, TIC *4568.47 +/- 4	4R3	4	0	5.525,799:13.1	
1659	0	142	09:12:48.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4569.71 +/- 4	4R3	4	0	5.525,799:21.0	
1660	0	142	09:12:50.133		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4569.77 +/- 4	4R3	4	0	5.525,799:22.8	
1661	0	142	09:12:51.533		DMS:	: *AT SPD	R7, TRACK 2, REV, TIC *4569.65 +/- 4	4R3	4	0	5.525,799:24.9	
1662	0	142	09:13:06.933		DMS:	: *RECORD	R7, TRACK 2, REV, TIC *4566.04 +/- 4	4R3	4	0	5.525,799:48.0	
1663	0	142	09:13:29.600	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5.525,799:82.0	
1664	0	142	09:13:29.600		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *4560.73 +/- 4	4R3	4	0	5.525,799:82.0	
1665	0	142	09:13:30.800		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4560.67 +/- 4	4R3	4	0	5.525,799:83.8	
1666	0	142	09:13:32.266	117GR11A	CSMOS	GE	***** GROUP END CSMOS	4R3	4	0	5.525,799:86.0	
1667	0	142	09:15:06.266	176GR6B	6TMREC	NRC	NO RECORD Record Mode Change	4R3	4	0	5.525,801:45.0	
1668	0	142	09:15:08.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5.525,801:48.0	
1669	0	142	09:15:08.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4560.67 +/- 4	4R3	4	0	5.525,801:48.0	
1670	0	142	09:15:09.666		DMS:	: *US AT SP	P7, TRACK 1, FWD, TIC *4560.79 +/- 4	4R3	4	0	5.525,801:50.1	
1671	0	142	09:15:14.933		DMS:	: *US RD	P7, TRACK 1, FWD, TIC *4562.02 +/- 4	4R3	4	0	5.525,801:58.0	
1672	0	142	09:15:16.133		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4562.08 +/- 4	4R3	4	0	5.525,801:59.8	
1673	0	142	09:15:17.533		DMS:	: *AT SPD	R7, TRACK 2, REV, TIC *4561.96 +/- 4	4R3	4	0	5.525,801:61.9	
1674	0	142	09:15:18.266		DMS:	: *RECORD	R7, TRACK 2, REV, TIC *4561.79 +/- 4	4R3	4	0	5.525,801:63.0	
1675	0	142	09:15:29.600	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5.525,801:80.0	
1676	0	142	09:15:29.600		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *4559.13 +/- 4	4R3	4	0	5.525,801:80.0	
1677	0	142	09:15:30.800		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4559.07 +/- 4	4R3	4	0	5.525,801:81.8	
1678	0	142	10:01:04.266	20RN6B	6RTSL1		R/T Select of DDS and	4R3	4	0	5.525,846:87.0	
1679	0	142	10:15:15.600	165GS4A	7SCAN	NORM,15.55,8.028	Check S/P Position	4R3	4	0	5.525,860:90.0	
1680	0	142	10:19:18.933	176GS36A	6TMREC	BPT	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	5.525,865:00.0	
1681	0	142	10:20:10.266	117GS	CSMOS	GS	***** GROUP START CSMOS	4R3	4	0	5.525,865:77.0	
1682	0	142	10:20:19.600	117GS105A106A4A	7STRP	0.030009,0.0,0.0	Slew = 0.61	4R3	4	0	5.525,866:00.0	
1683	0	142	10:21:12.933	117GS105A106A4B	7STRP	-0.027457,-0.001	Slew = 12.01	4R3	4	0	5.525,866:80.0	
1684	0	142	10:21:20.266	117GS105A106A4C	7STRP	0.030009,0.0,0.0	Slew = -0.61	4R3	4	0	5.525,867:00.0	
1685	0	142	10:22:13.600	117GS105A106A4D	7STRP	-0.027457,-0.001	Slew = 12.01	4R3	4	0	5.525,867:80.0	
1686	0	142	10:22:20.933	117GS105A106A4E	7STRP	0.030009,0.0,0.0	Slew = -0.61	4R3	4	0	5.525,868:00.0	
1687	0	142	10:23:14.266	117GS105A106A4F	7STRP	-0.027457,-0.001	Slew = 12.01	4R3	4	0	5.525,868:80.0	
1688	0	142	10:23:21.600	117GS105A106A4G	7STRP	0.030009,0.0,0.0	Slew = -0.61	4R3	4	0	5.525,869:00.0	
1689	0	142	10:24:14.933	117GS105A106A4H	7STRP	-0.027457,-0.001	Slew = 12.01	4R3	4	0	5.525,869:80.0	
1690	0	142	10:24:22.266	117GS105A106A4I	7STRP	0.030009,0.0,0.0	Slew = 0.61	4R3	4	0	5.525,870:00.0	
1691	0	142	10:25:15.600	117GS105A106A4J	7STRP	-0.027457,-0.001	Slew = 12.01	4R3	4	0	5.525,870:80.0	
1692	0	142	10:25:22.933	117GS105A106A4K	7STRP	0.030009,0.0,0.0	Slew = 0.61	4R3	4	0	5.525,871:00.0	
1693	0	142	10:26:16.266	117GS105A106A4L	7STRP	-0.027457,-0.001	Slew = 12.01	4R3	4	0	5.525,871:80.0	
1694	0	142	10:26:23.600	117GS105A106A4M	7STRP	0.030009,0.0,0.0	Slew = -0.61	4R3	4	0	5.525,872:00.0	
1695	0	142	10:27:16.933	117GS105A106A4N	7STRP	-0.027457,-0.001	Slew = 12.01	4R3	4	0	5.525,872:80.0	
1696	0	142	10:27:24.266	117GS105A106A4O	7STRP	0.030009,0.0,0.0	Slew = -0.61	4R3	4	0	5.525,873:00.0	
1697	0	142	10:28:17.600	117GS105A106A4P	7STRP	-0.027457,-0.001	Slew = 12.01	4R3	4	0	5.525,873:80.0	
1698	0	142	10:28:24.933	117GS105A106A4Q	7STRP	0.030009,0.0,0.0	Slew = -0.61	4R3	4	0	5.525,874:00.0	
1699	0	142	10:29:18.266	117GS105A106A4R	7STRP	-0.027457,-0.001	Slew = 12.01	4R3	4	0	5.525,874:80.0	
1700	0	142	10:29:25.600	117GS105A106A4S	7STRP	0.030009,0.0,0.0	Slew = 0.61	4R3	4	0	5.525,875:00.0	
1701	0	142	10:30:18.933	117GS105A106A4T	7STRP	-0.027457,-0.001	Slew = 12.01	4R3	4	0	5.525,875:80.0	
1702	0	142	10:30:26.266	117GS105A106A4U	7STRP	0.030009,0.0,0.0	Slew = -0.61	4R3	4	0	5.525,876:00.0	
1703	0	142	10:31:19.600	117GS105A106A4V	7STRP	-0.027457,-0.001	Slew = 12.01	4R3	4	0	5.525,876:80.0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
1704	0	142	10:31:26.933	117GS105A106A4W	7STRP	0.030009,0.0,0.0	Slew =-0.61	4R3	4	0	5.525,877:00:0	
1705	0	142	10:31:53.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4559.07 +/- 4	4R3	4	0	5.525,877:40:0	
1706	0	142	10:31:53.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5.525,877:40:0	
1707	0	142	10:31:55.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4559.19 +/- 4	4R3	4	0	5.525,877:42:1	
1708	0	142	10:32:00.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4560.43 +/- 4	4R3	4	0	5.525,877:50:0	
1709	0	142	10:32:01.466		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4560.49 +/- 4	4R3	4	0	5.525,877:51:8	
1710	0	142	10:32:02.866		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4560.37 +/- 4	4R3	4	0	5.525,877:53:9	
1711	0	142	10:32:18.933		DMS:	: *RECORD	R7, TRACK 2, REV, TIC *4556.60 +/- 4	4R3	4	0	5.525,877:78:0	
1712	0	142	10:32:20.266	117GS105A106A4X	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5.525,877:80:0	
1713	0	142	10:32:27.600	117GS105A106A4Y	7STRP	0.030009,0.0,0.0	Slew =-0.61	4R3	4	0	5.525,878:00:0	
1714	0	142	10:32:41.600		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *4551.29 +/- 4	4R3	4	0	5.525,878:21:0	
1715	0	142	10:32:41.600	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5.525,878:21:0	
1716	0	142	10:32:42.800		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4551.23 +/- 4	4R3	4	0	5.525,878:22:8	
1717	0	142	10:33:20.933	117GS105A106A4Z	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5.525,878:80:0	
1718	0	142	10:33:28.266	117GS105A106A4A	7STRP	0.030009,0.0,0.0	Slew =-0.61	4R3	4	0	5.525,879:00:0	
1719	0	142	10:34:21.600	117GS105A106A4AB	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5.525,879:80:0	
1720	0	142	10:34:28.933	117GS105A106A4AC	7STRP	0.030009,0.0,0.0	Slew =0.61	4R3	4	0	5.525,880:00:0	
1721	0	142	10:35:22.266	117GS105A106A4AD	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5.525,880:80:0	
1722	0	142	10:35:29.600	117GS105A106A4AE	7STRP	0.030009,0.0,0.0	Slew =0.61	4R3	4	0	5.525,881:00:0	
1723	0	142	10:36:22.933	117GS105A106A4AF	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5.525,881:80:0	
1724	0	142	10:36:30.266	117GS105A106A4AG	7STRP	0.030009,0.0,0.0	Slew =-0.61	4R3	4	0	5.525,882:00:0	
1725	0	142	10:37:23.600	117GS105A106A4AH	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5.525,882:80:0	
1726	0	142	10:37:30.933	117GS105A106A4AI	7STRP	0.030009,0.0,0.0	Slew =-0.61	4R3	4	0	5.525,883:00:0	
1727	0	142	10:38:24.266	117GS105A106A4AJ	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5.525,883:80:0	
1728	0	142	10:38:31.600	117GS105A106A4AK	7STRP	0.030009,0.0,0.0	Slew =-0.61	4R3	4	0	5.525,884:00:0	
1729	0	142	10:39:24.933	117GS105A106A4AL	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5.525,884:80:0	
1730	0	142	10:39:32.266	117GS105A106A4AM	7STRP	0.030009,0.0,0.0	Slew =0.61	4R3	4	0	5.525,885:00:0	
1731	0	142	10:40:25.600	117GS105A106A4AN	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5.525,885:80:0	
1732	0	142	10:40:32.933	117GS105A106A4AO	7STRP	0.030009,0.0,0.0	Slew =0.61	4R3	4	0	5.525,886:00:0	
1733	0	142	10:41:26.266	117GS105A106A4AP	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5.525,886:80:0	
1734	0	142	10:41:33.600	117GS105A106A4AQ	7STRP	0.030009,0.0,0.0	Slew =-0.61	4R3	4	0	5.525,887:00:0	
1735	0	142	10:42:26.933	117GS105A106A4AR	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5.525,887:80:0	
1736	0	142	10:42:34.266	117GS105A106A4AS	7STRP	0.030009,0.0,0.0	Slew =-0.61	4R3	4	0	5.525,888:00:0	
1737	0	142	10:43:27.600	117GS105A106A4AT	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5.525,888:80:0	
1738	0	142	10:43:34.933	117GS105A106A4AU	7STRP	0.030009,0.0,0.0	Slew =-0.61	4R3	4	0	5.525,889:00:0	
1739	0	142	10:44:28.266	117GS105A106A4AV	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5.525,889:80:0	
1740	0	142	10:44:35.600	117GS105A106A4AW	7STRP	0.030009,0.0,0.0	Slew =0.61	4R3	4	0	5.525,890:00:0	
1741	0	142	10:44:55.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5.525,890:30:0	
1742	0	142	10:44:55.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4551.23 +/- 4	4R3	4	0	5.525,890:30:0	
1743	0	142	10:44:57.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4551.35 +/- 4	4R3	4	0	5.525,890:32:1	
1744	0	142	10:45:02.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4552.58 +/- 4	4R3	4	0	5.525,890:40:0	
1745	0	142	10:45:03.466		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4552.64 +/- 4	4R3	4	0	5.525,890:41:8	
1746	0	142	10:45:04.866		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4552.52 +/- 4	4R3	4	0	5.525,890:43:9	
1747	0	142	10:45:20.933		DMS:	: *RECORD	R7, TRACK 2, REV, TIC *4548.76 +/- 4	4R3	4	0	5.525,890:68:0	
1748	0	142	10:45:28.933	117GS105A106A4AX	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5.525,890:80:0	
1749	0	142	10:45:36.266	117GS105A106A4AY	7STRP	0.030009,0.0,0.0	Slew =-0.61	4R3	4	0	5.525,891:00:0	
1750	0	142	10:45:43.600		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *4543.44 +/- 4	4R3	4	0	5.525,891:11:0	
1751	0	142	10:45:43.600	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	5.525,891:11:0	
1752	0	142	10:45:44.800		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4543.38 +/- 4	4R3	4	0	5.525,891:12:8	
1753	0	142	10:46:29.600	117GS105A106A4AZ	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5.525,891:80:0	
1754	0	142	10:46:36.933	117GS105A106A4BA	7STRP	0.030009,0.0,0.0	Slew =-0.61	4R3	4	0	5.525,892:00:0	
1755	0	142	10:47:30.266	117GS105A106A4BB	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5.525,892:80:0	
1756	0	142	10:47:37.600	117GS105A106A4BC	7STRP	0.030009,0.0,0.0	Slew =-0.61	4R3	4	0	5.525,893:00:0	
1757	0	142	10:48:30.933	117GS105A106A4BD	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5.525,893:80:0	
1758	0	142	10:48:38.266	117GS105A106A4BE	7STRP	0.030009,0.0,0.0	Slew =-0.61	4R3	4	0	5.525,894:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
1759	0	142	10:49:31.600	117GS105A106A4BF	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5.525,894:80.0	
1760	0	142	10:49:38.933	117GS105A106A4BG	7STRP	0.030009,0.0,0.0	Slew = 0.61	4R3	4	0	5.525,895:00.0	
1761	0	142	10:50:32.266	117GS105A106A4BH	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5.525,895:80.0	
1762	0	142	10:50:39.600	117GS105A106A4BI	7STRP	0.030009,0.0,0.0	Slew = 0.61	4R3	4	0	5.525,896:00.0	
1763	0	142	10:51:32.933	117GS105A106A4BJ	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5.525,896:80.0	
1764	0	142	10:51:40.266	117GS105A106A4BK	7STRP	0.030009,0.0,0.0	Slew = 0.61	4R3	4	0	5.525,897:00.0	
1765	0	142	10:52:33.600	117GS105A106A4BL	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5.525,897:80.0	
1766	0	142	10:52:40.933	117GS105A106A4BM	7STRP	0.030009,0.0,0.0	Slew = 0.61	4R3	4	0	5.525,898:00.0	
1767	0	142	10:53:34.266	117GS105A106A4BN	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5.525,898:80.0	
1768	0	142	10:53:41.600	117GS105A106A4BO	7STRP	0.030009,0.0,0.0	Slew = 0.61	4R3	4	0	5.525,899:00.0	
1769	0	142	10:53:42.266	488A46B	6TMSD	FILL,AL1	Sci. Eng. and D/L Chan	4R3	4	0	5.525,899:01.0	
1770	0	142	10:54:34.933	117GS105A106A4BP	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5.525,899:80.0	
1771	0	142	10:54:42.266	117GS105A106A4BQ	7STRP	0.030009,0.0,0.0	Slew = 0.61	4R3	4	0	5.525,900:00.0	
1772	0	142	10:55:35.600	117GS105A106A4BR	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5.525,900:80.0	
1773	0	142	10:55:42.933	117GS105A106A4BS	7STRP	0.030009,0.0,0.0	Slew = 0.61	4R3	4	0	5.525,901:00.0	
1774	0	142	10:56:36.266	117GS105A106A4BT	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5.525,901:80.0	
1775	0	142	10:56:43.600	117GS105A106A4BU	7STRP	0.030009,0.0,0.0	Slew = 0.61	4R3	4	0	5.525,902:00.0	
1776	0	142	10:57:36.933	117GS105A106A4BV	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5.525,902:80.0	
1777	0	142	10:57:44.266	117GS105A106A4BW	7STRP	0.030009,0.0,0.0	Slew = 0.61	4R3	4	0	5.525,903:00.0	
1778	0	142	10:57:57.600	DMS:	DMS:	:US-RUNUP	P7, TRACK *1, *FWD, TIC 4543.38 +/- 4	4R3	4	0	5.525,903:20.0	
1779	0	142	10:57:57.600	50ZZ6XX	6DMS	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	5.525,903:20.0	
1780	0	142	10:57:59.000	DMS:	DMS:	:US AT SP	P7, TRACK 1, FWD, TIC *4543.50 +/- 4	4R3	4	0	5.525,903:22.1	
1781	0	142	10:58:04.266	DMS:	DMS:	:US RD	P7, TRACK 1, FWD, TIC *4544.74 +/- 4	4R3	4	0	5.525,903:30.0	
1782	0	142	10:58:05.466	DMS:	DMS:	:RUNUP	R7, TRACK *2, *REV, TIC *4544.80 +/- 4	4R3	4	0	5.525,903:31.8	
1783	0	142	10:58:06.866	DMS:	DMS:	:AT SPD	R7, TRACK 2, REV, TIC *4544.68 +/- 4	4R3	4	0	5.525,903:33.9	
1784	0	142	10:58:22.933	DMS:	DMS:	:RECORD	R7, TRACK 2, REV, TIC *4540.91 +/- 4	4R3	4	0	5.525,903:58.0	
1785	0	142	10:58:37.600	117GS105A106A4BX	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5.525,903:80.0	
1786	0	142	10:58:44.933	117GS105A106A4BY	7STRP	0.030009,0.0,0.0	Slew = 0.61	4R3	4	0	5.525,904:00.0	
1787	0	142	10:58:45.600	DMS:	DMS:	:RUNDOWN	R7, TRACK 2, REV, TIC *4535.60 +/- 4	4R3	4	0	5.525,904:01.0	
1788	0	142	10:58:45.600	50ZZ6RD	6DMS	RDY,0	DMS Control Tape stop	4R3	4	0	5.525,904:01.0	
1789	0	142	10:58:46.800	DMS:	DMS:	:READY	RDY, TRACK 2, REV, TIC *4535.54 +/- 4	4R3	4	0	5.525,904:02.8	
1790	0	142	10:59:38.266	117GS105A106A4BZ	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5.525,904:80.0	
1791	0	142	10:59:45.600	117GS105A106A4CA	7STRP	0.030009,0.0,0.0	Slew = 0.61	4R3	4	0	5.525,905:00.0	
1792	0	142	11:00:38.933	117GS105A106A4CB	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5.525,905:80.0	
1793	0	142	11:00:46.266	117GS105A106A4CC	7STRP	0.030009,0.0,0.0	Slew = 0.61	4R3	4	0	5.525,906:00.0	
1794	0	142	11:01:39.600	117GS105A106A4CD	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5.525,906:80.0	
1795	0	142	11:01:46.933	117GS105A106A4CE	7STRP	0.030009,0.0,0.0	Slew = 0.61	4R3	4	0	5.525,907:00.0	
1796	0	142	11:02:40.266	117GS105A106A4CF	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5.525,907:80.0	
1797	0	142	11:02:47.600	117GS105A106A4CG	7STRP	0.030009,0.0,0.0	Slew = 0.61	4R3	4	0	5.525,908:00.0	
1798	0	142	11:03:44.933	117GS105A106A4CH	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5.525,908:80.0	
1799	0	142	11:03:48.266	117GS105A106A4CI	7STRP	0.030009,0.0,0.0	Slew = 0.61	4R3	4	0	5.525,909:00.0	
1800	0	142	11:04:41.600	117GS105A106A4CJ	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5.525,909:80.0	
1801	0	142	11:04:48.933	117GS105A106A4CK	7STRP	0.030009,0.0,0.0	Slew = 0.61	4R3	4	0	5.525,910:00.0	
1802	0	142	11:05:42.266	117GS105A106A4CL	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5.525,910:80.0	
1803	0	142	11:05:49.600	117GS105A106A4CM	7STRP	0.030009,0.0,0.0	Slew = 0.61	4R3	4	0	5.525,911:00.0	
1804	0	142	11:06:42.933	117GS105A106A4CN	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5.525,911:80.0	
1805	0	142	11:06:50.266	117GS105A106A4CO	7STRP	0.030009,0.0,0.0	Slew = 0.61	4R3	4	0	5.525,912:00.0	
1806	0	142	11:07:43.600	117GS105A106A4CP	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5.525,912:80.0	
1807	0	142	11:07:50.933	117GS105A106A4CQ	7STRP	0.030009,0.0,0.0	Slew = 0.61	4R3	4	0	5.525,913:00.0	
1808	0	142	11:08:44.266	117GS105A106A4CR	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5.525,913:80.0	
1809	0	142	11:08:51.600	117GS105A106A4CS	7STRP	0.030009,0.0,0.0	Slew = 0.61	4R3	4	0	5.525,914:00.0	
1810	0	142	11:09:44.933	117GS105A106A4CT	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5.525,914:80.0	
1811	0	142	11:09:52.266	117GS105A106A4CU	7STRP	0.030009,0.0,0.0	Slew = 0.61	4R3	4	0	5.525,915:00.0	
1812	0	142	11:10:45.600	117GS105A106A4CV	7STRP	-0.027457,-0.001	Slew =12.01	4R3	4	0	5.525,915:80.0	
1813	0	142	11:10:52.933	117GS105A106A4CW	7STRP	0.030009,0.0,0.0	Slew = 0.61	4R3	4	0	5.525,916:00.0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
1814	0	142	11:10:56.933	28NNNEBRLT01-50ZZ6XX	6DMSC	-----START----- R7.0	DMS Control Tape runup 7.68kps	4R3	4	0	:	:
1815	0	142	11:11:00.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4535.54 +/- 4	4R3	4	0	5,525,916:11:0	
1816	0	142	11:11:00.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4535.66 +/- 4	4R3	4	0	5,525,916:11:0	
1817	0	142	11:11:01.666		37PL		Program Load (halts microprocessor & unwri	4R3	4	0	5,525,916:13:1	
1818	0	142	11:11:03.600	20DF5A	37MRL		Memory Realocate (software operates from R	4	0	0	5,525,916:16:0	
1819	0	142	11:11:06.933	20DF5B	37MRL		P7, TRACK 1, FWD, TIC *4536.90 +/- 4	4	0	0	5,525,916:21:0	
1820	0	142	11:11:06.933		DMS:	: *US_RD	R7, TRACK *2, *REV, TIC *4536.96 +/- 4	4	0	0	5,525,916:22:8	
1821	0	142	11:11:08.133		DMS:	: *RUNUP	R7, TRACK 2, REV, TIC *4536.84 +/- 4	4	0	0	5,525,916:24:9	
1822	0	142	11:11:09.533		DMS:	: *AT_SPD	NIMS,1000,LLM1A,7300,77F7	4	0	0	5,525,916:36:0	
1823	0	142	11:11:16.933	20DF6A	6MCOPI	NIMS	R7, TRACK 2, REV, TIC *4533.23 +/- 4	4	0	0	5,525,916:48:0	
1824	0	142	11:11:24.933		DMS:	: *RECORD	NIMS,1598,LLM1A,77F8,781D	4	0	0	5,525,916:51:0	
1825	0	142	11:11:26.933	20DF6B	6MCOPI	NIMS	Instrument Reset (goes into POR state)	4	0	0	5,525,916:66:0	
1826	0	142	11:11:36.933	20DF5C	37IRT		Memory Normal (software operates from ROM)	260	4	0	5,525,916:71:0	
1827	0	142	11:11:40.266	20DF5D	37MNI		Chopper ON, Sync, Chopper (Ref)	2R0	4	0	5,525,916:80:0	
1828	0	142	11:11:46.266	20DF4A	37IST	1,2,0,OFF,0,0,0	***** GROUP END CSMOS	2R0	4	0	5,525,916:80:0	
1829	0	142	11:11:46.266	117GS11A	CSMOS	GE	DMS Control Tape stop	2R0	4	0	5,525,916:82:0	
1830	0	142	11:11:47.600	50ZZ6RE	6DMSC	RDY.0	R7, TRACK 2, REV, TIC *4527.91 +/- 4	2R0	4	0	5,525,916:82:0	
1831	0	142	11:11:47.600		DMS:	: *RUNDOWN	RDY, TRACK 2, REV, TIC *4527.85 +/- 4	2R0	4	0	5,525,916:83:8	
1832	0	142	11:11:48.800		DMS:	: *READY	Gain State 2	2R0	4	0	5,525,917:84:0	
1833	0	142	11:12:49.600	125DF4A	37IST	0,2,0,OFF,0,1,0	##### GROUP START INIT	2R0	4	0	5,525,917:84:0	
1834	0	142	11:12:49.600	125DF	NIMSINIT	GS	Check S/P Position	2R0	4	0	5,525,917:90:0	
1835	0	142	11:12:53.600	165DI4A	7SCAN	NORM,28.686,13.9		2R0	4	0	5,525,917:90:0	
1836	0	142	11:12:58.266	28JNNEBRLT01		-----START-----		2R0	4	0	:	:
1837	0	142	11:12:58.266	28NNNEBRLT01-176GS6B	6TMREC	-----STOP-----		2R0	4	0	:	:
1838	0	142	11:13:10.933		DMS:	: *US-RUNUP	NO RECORD Record Mode Change	2R0	4	0	5,525,918:25:0	
1839	0	142	11:13:12.933		DMS:	: *US_RD	P7, TRACK *1, *FWD, TIC 4527.85 +/- 4	2R0	4	0	5,525,918:28:0	
1840	0	142	11:13:12.933	50ZZ6XX	6DMSC	R7.0	DMS Control Tape runup 7.68kps	2R0	4	0	5,525,918:28:0	
1841	0	142	11:13:14.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4527.97 +/- 4	2R0	4	0	5,525,918:30:1	
1842	0	142	11:13:19.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4529.21 +/- 4	2R0	4	0	5,525,918:38:0	
1843	0	142	11:13:20.800		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4529.27 +/- 4	2R0	4	0	5,525,918:39:8	
1844	0	142	11:13:22.200		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *4529.15 +/- 4	2R0	4	0	5,525,918:41:9	
1845	0	142	11:13:22.933		DMS:	: *RECORD	R7, TRACK 2, REV, TIC *4528.98 +/- 4	2R0	4	0	5,525,918:43:0	
1846	0	142	11:13:34.266	50ZZ6RD	6DMSC	RDY.0	DMS Control Tape stop	2R0	4	0	5,525,918:60:0	
1847	0	142	11:13:34.266		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *4526.32 +/- 4	2R0	4	0	5,525,918:60:0	
1848	0	142	11:13:35.466		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4526.26 +/- 4	2R0	4	0	5,525,918:61:8	
1849	0	142	11:13:50.266	125DF11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,525,918:84:0	
1850	0	142	11:13:50.266	125DF4B	37MB	1B,1B,0,0,0,0	Selects mirror (spatial) edit table	2R0	4	0	5,525,918:84:0	
1851	0	142	11:16:47.600	117DI	CSMOS	GS	***** GROUP START CSMOS	2R0	4	0	5,525,921:77:0	
1852	0	142	11:16:52.266	127DF	NIMSTAB	GS	%%%% GROUP START TAB	2R0	4	0	5,525,921:84:0	
1853	0	142	11:16:52.266	127DF4A	37IOP	3,0	Long Map, Grating Start Position =00	2R3	4	0	5,525,921:84:0	
1854	0	142	11:16:52.266	127DF4B	37ETB	04,C4,35,FF,FF	Loads wavelength edit table	2R3	4	0	5,525,921:85:0	
1855	0	142	11:16:55.600	165DI4B	7VECT		Inert vect update UTC	2R3	4	0	5,525,921:89:0	
1856	0	142	11:16:56.933	117DI05A106A4A	7STRP	-0,019703,0,0,0,0,	Stew =.03	2R3	4	0	5,525,922:00:0	
1857	0	142	11:17:00.933	127DF11A	NIMSTAB	GE	%%%% GROUP END TAB	2R3	4	0	5,525,922:06:0	
1858	0	142	11:17:00.933	432DF6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	2R3	4	0	5,525,922:06:0	
1859	0	142	11:27:06.266	432EF6A	6RTDS2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	2R3	4	0	5,525,932:04:0	
1860	0	142	11:28:00.933	117DI11A	CSMOS	GE	***** GROUP END CSMOS	2R3	4	0	5,525,932:86:0	
1861	0	142	11:28:08.266	28JNNEBRLT01		-----STOP-----		2R3	4	0	:	:
1862	0	142	11:31:10.266	28JNNTZRLT01		-----START-----		2R3	4	0	:	:
1863	0	142	11:32:02.266	125DG4A	37IST	0,2,0,OFF,0,1,0	Gain State 2	2R3	4	0	5,525,936:84:0	
1864	0	142	11:32:02.266	125DG	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	5,525,936:84:0	
1865	0	142	11:33:02.933	125DG4B	37MB	1B,1B,0,0,0,0	Selects mirror (spatial) edit table	2R3	4	0	5,525,937:84:0	
1866	0	142	11:33:02.933	125DG11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	5,525,937:84:0	
1867	0	142	11:33:49.600	432O1431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2R3	4	0	5,525,938:63:0	
1868	0	142	11:33:50.266	432O16A	6RTSL1		R/T Select of DDS and	2R3	4	0	5,525,938:64:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
1869	0	142	11:35:08.266	165DJ4A	7SCAN	NORM:30.792,16.3	Check S/P Position	2R3	4	0	5.525,939:90:0	
1870	0	142	11:37:05.600	127DG4A	37IOP	3.0	Long Map, Grating Start Position =00	2R3	4	0	5.525,941:84:0	
1871	0	142	11:37:05.600	127DG	NIMSTAB	GS	%%-%-% GROUP START TAB	2R3	4	0	5.525,941:84:0	
1872	0	142	11:37:06.266	127DG4B	37ETB	04,C4,35,FF,FF	Loads wavelenght edit table	2R3	4	0	5.525,941:85:0	
1873	0	142	11:37:14.266	127DG11A	NIMSTAB	GE	%%-%-% GROUP END TAB	2R3	4	0	5.525,942:06:0	
1874	0	142	11:39:02.266	117DJ	CSMOS	GS	**** GROUP START CSMOS	2R3	4	0	5.525,943:77:0	
1875	0	142	11:39:11.600	117DJ105A106A4A	7STRP	-0.019703,0.0,0.0,	Slew = 0.03	2R3	4	0	5.525,944:00:0	
1876	0	142	11:39:15.600	432DG6A	6RTSL2	NIMSEL, AACNCG, RT	NIMS R/T SELECT	2R3	4	0	5.525,944:06:0	
1877	0	142	11:49:20.933	432EG6A	6RTDS2	NIMDSL, AACNCG, RT	NIMS R/T DESELECT	2R3	4	0	5.525,954:04:0	
1878	0	142	11:50:15.600	117DJ11A	CSMOS	GE	**** GROUP END CSMOS	2R3	4	0	5.525,954:86:0	
1879	0	142	11:50:22.933	28JUNTZRL101		-----STOP-----		2R3	4	0	:	:
1880	0	142	11:51:19.600	411J16A	6DMSC	R7.0	DMS Control Tape runup 7.68kps	2R3	4	0	5.525,956:00:0	
1881	0	142	11:51:19.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4526.26 +/- 4	2R3	4	0	5.525,956:00:0	
1882	0	142	11:51:19.600	192GT4A	7CONE	9.0,0.0	Check S/P Position	2R3	4	0	5.525,956:00:0	
1883	0	142	11:51:21.000		DMS:	: *US AT SP	P7, TRACK 1, FWD, TIC *4526.38 +/- 4	2R3	4	0	5.525,956:02:1	
1884	0	142	11:51:26.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4527.61 +/- 4	2R3	4	0	5.525,956:10:0	
1885	0	142	11:51:27.466		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4527.67 +/- 4	2R3	4	0	5.525,956:11:8	
1886	0	142	11:51:28.866		DMS:	: *AT SPD	R7, TRACK 2, REV, TIC 4527.55 +/- 4	2R3	4	0	5.525,956:13:9	
1887	0	142	11:51:28.866		DMS:	: *RECORD	R7, TRACK 2, REV, TIC *4527.55 +/- 4	2R3	4	0	5.525,956:13:9	
1888	0	142	11:51:29.600	411J16B	6TMREC	BPT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5.525,958:15:0	
1889	0	142	11:53:30.933	411J16C	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5.525,958:15:0	
1890	0	142	11:53:33.600	175TP176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	5.525,958:19:0	
1891	0	142	11:53:34.266	175TP422A6A	6DMSC	R7.0	DMS Control Tape runup 7.68kps	2R3	4	0	5.525,958:20:0	
1892	0	142	11:53:40.933	175TP422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5.525,958:30:0	
1893	0	142	11:53:40.933		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *4496.60 +/- 4	2R3	4	0	5.525,958:30:0	
1894	0	142	11:53:42.133		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4496.54 +/- 4	2R3	4	0	5.525,958:31:8	
1895	0	142	11:58:24.266	176GT6A	6TMREC	BPT	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	5.525,963:00:0	
1896	0	142	12:00:38.933	176GT6B	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5.525,965:20:0	
1897	0	142	12:00:40.933	50ZZ6XX	6DMSC	R7.0	DMS Control Tape runup 7.68kps	2R3	4	0	5.525,965:23:0	
1898	0	142	12:00:40.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4496.54 +/- 4	2R3	4	0	5.525,965:23:0	
1899	0	142	12:00:42.333		DMS:	: *US AT SP	P7, TRACK 1, FWD, TIC *4496.66 +/- 4	2R3	4	0	5.525,965:25:1	
1900	0	142	12:00:47.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4497.90 +/- 4	2R3	4	0	5.525,965:33:0	
1901	0	142	12:00:48.800		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4497.96 +/- 4	2R3	4	0	5.525,965:34:8	
1902	0	142	12:00:50.200		DMS:	: *AT SPD	R7, TRACK 2, REV, TIC *4497.84 +/- 4	2R3	4	0	5.525,965:36:9	
1903	0	142	12:00:50.933		DMS:	: *RECORD	R7, TRACK 2, REV, TIC *4497.66 +/- 4	2R3	4	0	5.525,965:38:0	
1904	0	142	12:01:02.266	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5.525,965:55:0	
1905	0	142	12:01:02.266		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *4495.01 +/- 4	2R3	4	0	5.525,965:55:0	
1906	0	142	12:01:03.466		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4494.95 +/- 4	2R3	4	0	5.525,965:56:8	
1907	0	142	12:03:27.600	192GT4B	7CONE	9.0,90.0	Check S/P Position	2R3	4	0	5.525,968:00:0	
1908	0	142	12:20:38.200	165GU4A	7SCAN	NORM:357.328999,	Check S/P Position	2R3	4	0	5.525,984:90:0	
1909	0	142	12:23:40.866	176GU6A	6TMREC	BPT	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	5.525,988:00:0	
1910	0	142	12:24:32.200	117GU	CSMOS	GS	**** GROUP START CSMOS	2R3	4	0	5.525,988:77:0	
1911	0	142	12:24:41.533	117GU105A106A4A	7STRP	0.001,-0.008,0.0	Slew = 0.51	2R3	4	0	5.525,989:00:0	
1912	0	142	12:25:06.866	117GU105A106A4B	7STRP	-0.0012,0.008,0.0	Slew = 12.01	2R3	4	0	5.525,989:38:0	
1913	0	142	12:25:19.533	117GU105A106A4C	7STRP	0.001,-0.008,0.0	Slew = 0.51	2R3	4	0	5.525,989:57:0	
1914	0	142	12:25:44.866	117GU105A106A4D	7STRP	-0.0012,0.008,0.0	Slew = 12.01	2R3	4	0	5.525,990:04:0	
1915	0	142	12:25:57.533	117GU105A106A4E	7STRP	0.001,-0.008,0.0	Slew = 0.51	2R3	4	0	5.525,990:23:0	
1916	0	142	12:26:22.866	117GU11A	CSMOS	GE	**** GROUP END CSMOS	2R3	4	0	5.525,990:61:0	
1917	0	142	12:28:08.200	176GU6B	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5.525,992:37:0	
1918	0	142	12:28:10.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4494.95 +/- 4	2R3	4	0	5.525,992:40:0	
1919	0	142	12:28:10.200	50ZZ6XX	6DMSC	R7.0	DMS Control Tape runup 7.68kps	2R3	4	0	5.525,992:40:0	
1920	0	142	12:28:11.600		DMS:	: *US AT SP	P7, TRACK 1, FWD, TIC *4495.07 +/- 4	2R3	4	0	5.525,992:42:1	
1921	0	142	12:28:16.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4496.30 +/- 4	2R3	4	0	5.525,992:50:0	
1922	0	142	12:28:18.066		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4496.36 +/- 4	2R3	4	0	5.525,992:51:8	
1923	0	142	12:28:19.466		DMS:	: *AT SPD	R7, TRACK 2, REV, TIC *4496.24 +/- 4	2R3	4	0	5.525,992:53:9	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
1924	0	142	12:28:20.200		DMS:	:*RECORD	R7, TRACK 2, REV, TIC *4496.07 +/- 4	2R3	4	0	5.525,992:55.0	
1925	0	142	12:28:32.866	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5.525,992:74.0	
1926	0	142	12:28:32.866		DMS:	:*RUNDOWN	R7, TRACK 2, REV, TIC *4493.10 +/- 4	2R3	4	0	5.525,992:74.0	
1927	0	142	12:28:34.066		DMS:	:*READY	RDY, TRACK 2, REV, TIC *4493.04 +/- 4	2R3	4	0	5.525,992:75.8	
1928	0	142	12:28:43.533	165IK4A	7SCAN	NORM:24.856,11.8	Check S/P Position	2R3	4	0	5.525,992:90.0	
1929	0	142	12:29:34.866		DMS:	:*US-RUNUP	P7, TRACK *1, *FWD, TIC 4493.04 +/- 4	2R3	4	0	5.525,993:76.0	
1930	0	142	12:29:34.866	175IK422A6A	6DMSC	R403.0	DMS Control Tape runup 403.2Kb	2R3	4	0	5.525,993:76.0	
1931	0	142	12:29:36.266		DMS:	:*US AT SP	P7, TRACK 1, FWD, TIC *4493.16 +/- 4	2R3	4	0	5.525,993:78.1	
1932	0	142	12:29:36.866	118IK	SMOS	GS		2R3	4	0	5.525,993:79.0	
1933	0	142	12:29:41.533		DMS:	:*US RD	P7, TRACK 1, FWD, TIC *4494.40 +/- 4	2R3	4	0	5.525,993:86.0	
1934	0	142	12:29:42.733		DMS:	:*RUNUP	R403, TRACK *2, *REV, TIC *4494.46 +/- 4	2R3	4	0	5.525,993:87.8	
1935	0	142	12:29:43.533	165IK4B	7VECT		Inert vect update UTC	2R3	4	0	5.525,993:89.0	
1936	0	142	12:29:46.200	175IK176A6A	6TMREC	IM4	403.2 KBPS IMAGE RECORD Record Mode Change	2R3	4	0	5.525,994:02.0	
1937	0	142	12:29:46.600		DMS:	:*AT SPD	R403, TRACK 2, REV, TIC 4471.46 +/- 4	2R3	4	0	5.525,994:02.6	
1938	0	142	12:29:46.600		DMS:	:*RECORD	R403, TRACK 2, REV, TIC *4471.46 +/- 4	2R3	4	0	5.525,994:02.6	
1939	0	142	12:29:46.866	118IK110A111A4A	7STRP	0.006,0.0008,26,	Slew = -3.01	2R3	4	0	5.525,994:03.0	
1940	0	142	12:29:50.200	175IK422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5.525,994:08.0	
1941	0	142	12:29:50.200		DMS:	:*RUNDOWN	R403, TRACK 2, REV, TIC *4427.16 +/- 4	2R3	4	0	5.525,994:08.0	
1942	0	142	12:29:52.933		DMS:	:*READY	RDY, TRACK 2, REV, TIC *4423.16 +/- 5	2R3	4	0	5.525,994:12.1	
1943	0	142	12:29:55.533	118IK11A	SMOS	GE		2R3	4	0	5.525,994:16.0	
1944	0	142	12:31:01.533		DMS:	:*US-RUNUP	P7, TRACK *1, *FWD, TIC 4423.16 +/- 5	2R3	4	0	5.525,995:24.0	
1945	0	142	12:31:01.533	175JK422A6A	6DMSC	R403.0	DMS Control Tape runup 403.2Kb	2R3	4	0	5.525,995:24.0	
1946	0	142	12:31:02.933		DMS:	:*US AT SP	P7, TRACK 1, FWD, TIC *4423.28 +/- 5	2R3	4	0	5.525,995:26.1	
1947	0	142	12:31:08.200		DMS:	:*US RD	P7, TRACK 1, FWD, TIC *4424.51 +/- 5	2R3	4	0	5.525,995:34.0	
1948	0	142	12:31:09.400		DMS:	:*RUNUP	R403, TRACK *2, *REV, TIC *4424.57 +/- 5	2R3	4	0	5.525,995:35.8	
1949	0	142	12:31:12.866	175JK176A6A	6TMREC	IM4	403.2 KBPS IMAGE RECORD Record Mode Change	2R3	4	0	5.525,995:41.0	
1950	0	142	12:31:13.266		DMS:	:*RECORD	R403, TRACK 2, REV, TIC *4401.57 +/- 5	2R3	4	0	5.525,995:41.6	
1951	0	142	12:31:13.266		DMS:	:*AT SPD	R403, TRACK 2, REV, TIC 4401.57 +/- 5	2R3	4	0	5.525,995:41.6	
1952	0	142	12:31:16.866	175JK422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5.525,995:47.0	
1953	0	142	12:31:16.866		DMS:	:*RUNDOWN	R403, TRACK 2, REV, TIC *4357.28 +/- 5	2R3	4	0	5.525,995:47.0	
1954	0	142	12:31:19.600		DMS:	:*READY	RDY, TRACK 2, REV, TIC *4353.28 +/- 5	2R3	4	0	5.525,995:51.1	
1955	0	142	13:00:04.200	165GV4A	7SCAN	NORM:2.087,1.677	Check S/P Position	2R3	4	0	5.526,023:90.0	
1956	0	142	13:03:06.866	176GV6A	6TMREC	BPT	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	5.526,027:00.0	
1957	0	142	13:03:58.200	117GV	CSMOS	GS	***** GROUP START CSMOS	2R3	4	0	5.526,027:77.0	
1958	0	142	13:04:07.533	117GV105A106A4A	7STRP	0.001,-0.008,0.0	Slew = -0.51	2R3	4	0	5.526,028:00.0	
1959	0	142	13:04:34.200	117GV105A106A4B	7STRP	-0.0012,0.008,0.0	Slew = 12.01	2R3	4	0	5.526,028:40.0	
1960	0	142	13:04:46.866	117GV105A106A4C	7STRP	0.001,-0.008,0.0	Slew = 0.51	2R3	4	0	5.526,028:59.0	
1961	0	142	13:05:13.533	117GV105A106A4D	7STRP	-0.0012,0.008,0.0	Slew = 12.01	2R3	4	0	5.526,029:08.0	
1962	0	142	13:05:26.200	117GV105A106A4E	7STRP	0.001,-0.008,0.0	Slew = 0.51	2R3	4	0	5.526,029:27.0	
1963	0	142	13:05:52.866	117GV11A	CSMOS	GE	***** GROUP END CSMOS	2R3	4	0	5.526,030:90.0	
1964	0	142	13:07:08.866	165IL4A	7SCAN	NORM:50.82,20.26	Check S/P Position	2R3	4	0	5.526,030:90.0	
1965	0	142	13:07:39.533	176GV6B	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5.526,031:45.0	
1966	0	142	13:07:41.533		DMS:	:*US-RUNUP	P7, TRACK *1, *FWD, TIC 4353.28 +/- 5	2R3	4	0	5.526,031:48.0	
1967	0	142	13:07:41.533	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5.526,031:48.0	
1968	0	142	13:07:42.933		DMS:	:*US AT SP	P7, TRACK 1, FWD, TIC *4353.40 +/- 5	2R3	4	0	5.526,031:50.1	
1969	0	142	13:07:48.200		DMS:	:*US RD	P7, TRACK 1, FWD, TIC *4354.63 +/- 5	2R3	4	0	5.526,031:58.0	
1970	0	142	13:07:49.400		DMS:	:*RUNUP	R7, TRACK *2, *REV, TIC *4354.69 +/- 5	2R3	4	0	5.526,031:59.8	
1971	0	142	13:07:50.800		DMS:	:*AT SPD	R7, TRACK 2, REV, TIC *4354.57 +/- 5	2R3	4	0	5.526,031:61.9	
1972	0	142	13:07:51.533		DMS:	:*RECORD	R7, TRACK 2, REV, TIC *4354.40 +/- 5	2R3	4	0	5.526,031:63.0	
1973	0	142	13:08:04.200	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5.526,031:82.0	
1974	0	142	13:08:04.200		DMS:	:*RUNDOWN	R7, TRACK 2, REV, TIC *4351.43 +/- 5	2R3	4	0	5.526,031:82.0	
1975	0	142	13:08:05.400		DMS:	:*READY	RDY, TRACK 2, REV, TIC *4351.37 +/- 5	2R3	4	0	5.526,031:83.8	
1976	0	142	13:11:02.200		DMS:	:*US-RUNUP	P7, TRACK *1, *FWD, TIC 4351.37 +/- 5	2R3	4	0	5.526,034:76.0	
1977	0	142	13:11:02.200	175IL422A6A	6DMSC	R403.0	DMS Control Tape runup 403.2Kb	2R3	4	0	5.526,034:76.0	
1978	0	142	13:11:03.600		DMS:	:*US AT SP	P7, TRACK 1, FWD, TIC *4351.49 +/- 5	2R3	4	0	5.526,034:78.1	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
1979	0	142	13:11:04.200	118IL	SMOS	GS		2R3	4	0	5.526,034:79.0	
1980	0	142	13:11:08.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4352.72 +/- 5	2R3	4	0	5.526,034:86.0	
1981	0	142	13:11:10.066		DMS:	: *RUNUP	R403, TRACK *2, REV, TIC *4352.78 +/- 5	2R3	4	0	5.526,034:87.8	
1982	0	142	13:11:10.866	165IL4B	7VECT		Inert vect update UTC	2R3	4	0	5.526,034:89.0	
1983	0	142	13:11:13.533	175IL176A6A	6TMREC	IM4	403.2 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	5.526,035:02.0	
1984	0	142	13:11:13.933		DMS:	: *AT_SPD	R403, TRACK 2, REV, TIC 4329.78 +/- 5	2R3	4	0	5.526,035:02.6	
1985	0	142	13:11:13.933		DMS:	: *RECORD	R403, TRACK 2, REV, TIC *4329.78 +/- 5	2R3	4	0	5.526,035:02.6	
1986	0	142	13:11:14.200	118IL110A111A4A	7STRP	0.006,-0.0019,26	Slew = ,3.01	2R3	4	0	5.526,035:03.0	
1987	0	142	13:11:17.533		DMS:	: *RUNDOWN	R403, TRACK 2, REV, TIC *4285.49 +/- 5	2R3	4	0	5.526,035:08.0	
1988	0	142	13:11:17.533	175IL422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5.526,035:08.0	
1989	0	142	13:11:20.266		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4281.49 +/- 5	2R3	4	0	5.526,035:12.1	
1990	0	142	13:12:28.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4281.49 +/- 5	2R3	4	0	5.526,036:24.0	
1991	0	142	13:12:28.866	175JL422A6A	6DMSC	R403,0	DMS Control Tape runup 403.2kb	2R3	4	0	5.526,036:24.0	
1992	0	142	13:12:30.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4281.61 +/- 5	2R3	4	0	5.526,036:26.1	
1993	0	142	13:12:35.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4282.84 +/- 5	2R3	4	0	5.526,036:34.0	
1994	0	142	13:12:36.733		DMS:	: *RUNUP	R403, TRACK *2, REV, TIC *4282.90 +/- 5	2R3	4	0	5.526,036:35.8	
1995	0	142	13:12:40.200	175JL176A6A	6TMREC	IM4	403.2 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	5.526,036:41.0	
1996	0	142	13:12:40.600		DMS:	: *AT_SPD	R403, TRACK 2, REV, TIC 4259.90 +/- 6	2R3	4	0	5.526,036:41.6	
1997	0	142	13:12:40.600		DMS:	: *RECORD	R403, TRACK 2, REV, TIC *4259.90 +/- 5	2R3	4	0	5.526,036:41.6	
1998	0	142	13:12:44.200	175JL422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5.526,036:47.0	
1999	0	142	13:12:44.200		DMS:	: *RUNDOWN	R403, TRACK 2, REV, TIC *4215.60 +/- 6	2R3	4	0	5.526,036:47.0	
2000	0	142	13:12:46.933		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4211.60 +/- 6	2R3	4	0	5.526,036:51.1	
2001	0	142	13:13:55.533	175JZ422A6A	6DMSC	R403,0	DMS Control Tape runup 403.2kb	2R3	4	0	5.526,037:63.0	
2002	0	142	13:13:55.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4211.60 +/- 6	2R3	4	0	5.526,037:63.0	
2003	0	142	13:13:56.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4211.72 +/- 6	2R3	4	0	5.526,037:65.1	
2004	0	142	13:14:02.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4212.96 +/- 6	2R3	4	0	5.526,037:73.0	
2005	0	142	13:14:03.400		DMS:	: *RUNUP	R403, TRACK *2, REV, TIC *4213.02 +/- 6	2R3	4	0	5.526,037:74.8	
2006	0	142	13:14:06.866	175JZ176A6A	6TMREC	IM4	403.2 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	5.526,037:80.0	
2007	0	142	13:14:07.266		DMS:	: *RECORD	R403, TRACK 2, REV, TIC *4190.02 +/- 6	2R3	4	0	5.526,037:80.6	
2008	0	142	13:14:07.266		DMS:	: *AT_SPD	R403, TRACK 2, REV, TIC 4190.02 +/- 6	2R3	4	0	5.526,037:81.0	
2009	0	142	13:14:07.533	118IL11A	SMOS	GE		2R3	4	0	5.526,037:81.0	
2010	0	142	13:14:10.866		DMS:	: *RUNDOWN	R403, TRACK 2, REV, TIC *4145.72 +/- 6	2R3	4	0	5.526,037:86.0	
2011	0	142	13:14:10.866	175JZ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5.526,037:86.0	
2012	0	142	13:14:13.600		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4141.72 +/- 6	2R3	4	0	5.526,037:90.1	
2013	0	142	14:25:04.933	28NNNEBRLT02-			-----START-----	2R3	4	0	:	:
2014	0	142	14:25:11.533	20DH5A	37PL		Program Load (halts microprocessor & unwri	4	0	5.526,108:16.0		
2015	0	142	14:25:14.866	20DH5B	37MRL		Memory Realocate (software operates from R	4	0	5.526,108:21.0		
2016	0	142	14:25:24.866	20DH6A	6MCPY	NIMS	NIMS,1000,LLM1A,7300,77F7	4	0	5.526,108:36.0		
2017	0	142	14:25:34.866	20DH6B	6MCPY	NIMS	NIMS,1598,LLM1A,77F8,781D	4	0	5.526,108:51.0		
2018	0	142	14:25:44.866	20DH5C	37IRT		Instrument Reset (goes into POR state)	4	0	5.526,108:66.0		
2019	0	142	14:25:48.200	20DH5D	37MN		Memory Normal (software operates from ROM)	260	4	0	5.526,108:71.0	
2020	0	142	14:25:54.200	20DH4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	5.526,108:80.0	
2021	0	142	14:27:06.266	28NNNEBRLT02-			-----STOP-----	2R0	4	0	:	:
2022	0	142	14:27:06.266	28JNNEBRLT02			-----START-----	2R0	4	0	:	:
2023	0	142	14:27:58.200	125DH4A	37IST	0,2,0,OFF,0,1,0	Gain State 2	2R0	4	0	5.526,110:84.0	
2024	0	142	14:27:58.200	125DH4B	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5.526,110:84.0	
2025	0	142	14:28:58.866	125DH4B	37MB	1B,1B,0,0,0,0	Selects mirror (spatial) edit table	2R0	4	0	5.526,111:84.0	
2026	0	142	14:28:58.866	125DH11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5.526,111:84.0	
2027	0	142	14:30:03.533	165DK4A	7SCAN	NORM,41,318,18.4	Check S/P Position	2R0	4	0	5.526,112:90.0	
2028	0	142	14:33:57.533	117DK	CSMOS	GS	**** GROUP START CSMOS	2R0	4	0	5.526,116:77.0	
2029	0	142	14:34:02.200	127DH4A	NIMSTAB	GS	%%-%-% GROUP START TAB	2R0	4	0	5.526,116:84.0	
2030	0	142	14:34:02.200	127DH4A	37IOP	3.0	Long Map, Grating Start Position =00	2R3	4	0	5.526,116:85.0	
2031	0	142	14:34:02.866	127DH4B	37ETB	04,C4,35,FF,FF	Loads wavelength edit table	2R3	4	0	5.526,116:85.0	
2032	0	142	14:34:05.533	165DK4B	7VECT		Inert vect update UTC	2R3	4	0	5.526,116:89.0	
2033	0	142	14:34:06.866	117DK105A106A4A	7STRP	-0.019703,0.0,0,	Slew = -0.03	2R3	4	0	5.526,117:00.0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
2034	0	142	14:34:10.866	432DH6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	2R3	4	0	5,526,117:06:0	
2035	0	142	14:34:10.866	127DH11A	NIMSTAB	GE	%%%GROUP END TAB	2R3	4	0	5,526,117:06:0	
2036	0	142	14:42:12.200	411J6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,526,125:00:0	
2037	0	142	14:42:12.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4141.72 +/- 6	2R3	4	0	5,526,125:00:0	
2038	0	142	14:42:13.600		DMS:	: *US AT SP	P7, TRACK 1, FWD, TIC *4141.84 +/- 6	2R3	4	0	5,526,125:02:1	
2039	0	142	14:42:18.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4143.08 +/- 6	2R3	4	0	5,526,125:10:1	
2040	0	142	14:42:20.066		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4143.14 +/- 6	2R3	4	0	5,526,125:11:8	
2041	0	142	14:42:21.466		DMS:	: *AT SPD	R7, TRACK 2, REV, TIC 4143.02 +/- 6	2R3	4	0	5,526,125:13:9	
2042	0	142	14:42:21.466		DMS:	: *RECORD	R7, TRACK 2, REV, TIC *4143.02 +/- 6	2R3	4	0	5,526,125:13:9	
2043	0	142	14:42:22.200	411J6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,526,125:15:0	
2044	0	142	14:44:16.200	432EH6A	6RTDS2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	2R3	4	0	5,526,127:04:0	
2045	0	142	14:44:23.533	411J6C	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5,526,127:15:0	
2046	0	142	14:44:26.200	175TQ176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	5,526,127:19:0	
2047	0	142	14:44:26.866	175TQ422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,526,127:20:0	
2048	0	142	14:44:33.533		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *4112.06 +/- 6	2R3	4	0	5,526,127:30:0	
2049	0	142	14:44:33.533	175TQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,526,127:30:0	
2050	0	142	14:44:34.733		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4112.00 +/- 6	2R3	4	0	5,526,127:31:8	
2051	0	142	14:45:09.533	125DI	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	5,526,127:84:0	
2052	0	142	14:45:09.533	125DI4A	37IST	0,2,0,OFF,0,1,0	Gain State 2	2R3	4	0	5,526,127:84:0	
2053	0	142	14:45:10.866	117DK11A	CSMOS	GE	**** GROUP END CSMOS	2R3	4	0	5,526,127:86:0	
2054	0	142	14:45:13.533	165DL4A	7SCAN	NORM,42,141,19,9	Check S/P Position	2R3	4	0	5,526,127:90:0	
2055	0	142	14:45:18.266	28JNNEBRLT02			-----STOP-----	2R3	4	0	:	:
2056	0	142	14:45:18.266	28JNNTZRLT02			-----START-----	2R3	4	0	:	:
2057	0	142	14:46:10.200	125DI4B	37MB	1B,1B,0,0,0,0	Selects mirror (spatial) edit table	2R3	4	0	5,526,128:84:0	
2058	0	142	14:46:10.200	125DI11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	5,526,128:84:0	
2059	0	142	14:49:07.533	117DL	CSMOS	GS	**** GROUP START CSMOS	2R3	4	0	5,526,131:77:0	
2060	0	142	14:49:12.200	127DI4A	37IOP	3,0	Long Map, Grating Start Position =00	2R3	4	0	5,526,131:84:0	
2061	0	142	14:49:12.200	127DI	NIMSTAB	GS	%%GROUP START TAB	2R3	4	0	5,526,131:84:0	
2062	0	142	14:49:12.866	127DI4B	37ETB	04,C4,35,FF,FF	Loads wavelength edit table	2R3	4	0	5,526,131:85:0	
2063	0	142	14:49:15.533	165DL4B	7VECT		Inert vect update UTC	2R3	4	0	5,526,132:00:0	
2064	0	142	14:49:16.866	117DL105A106A4A	7STRP	-0.019703,0,0,0,	Slew =,0.03	2R3	4	0	5,526,132:00:0	
2065	0	142	14:49:20.866	127DI11A	NIMSTAB	GE	%%GROUP END TAB	2R3	4	0	5,526,132:06:0	
2066	0	142	14:49:20.866	432DI6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	2R3	4	0	5,526,132:06:0	
2067	0	142	14:59:26.200	432EI6A	6RTDS2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	2R3	4	0	5,526,142:04:0	
2068	0	142	15:00:20.866	117DL11A	CSMOS	GE	**** GROUP END CSMOS	2R3	4	0	5,526,142:86:0	
2069	0	142	15:00:28.266	28JNNTZRLT02			-----STOP-----	2R3	4	0	:	:
2070	0	142	19:59:41.533	411KW6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,526,439:00:0	
2071	0	142	19:59:41.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4112.00 +/- 6	2R3	4	0	5,526,439:00:0	
2072	0	142	19:59:42.933		DMS:	: *US AT SP	P7, TRACK 1, FWD, TIC *4112.12 +/- 6	2R3	4	0	5,526,439:02:1	
2073	0	142	19:59:48.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4113.36 +/- 6	2R3	4	0	5,526,439:10:0	
2074	0	142	19:59:49.400		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4113.42 +/- 6	2R3	4	0	5,526,439:11:8	
2075	0	142	19:59:50.800		DMS:	: *RECORD	R7, TRACK 2, REV, TIC *4113.30 +/- 6	2R3	4	0	5,526,439:13:9	
2076	0	142	19:59:50.800		DMS:	: *AT SPD	R7, TRACK 2, REV, TIC 4113.30 +/- 6	2R3	4	0	5,526,439:13:9	
2077	0	142	19:59:51.533	411KW6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,526,439:15:0	
2078	0	142	20:01:52.866	411KW6C	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5,526,441:15:0	
2079	0	142	20:01:55.533	175TR176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	5,526,441:19:0	
2080	0	142	20:01:56.200	175TR422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,526,441:20:0	
2081	0	142	20:02:02.866	175TR422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,526,441:30:0	
2082	0	142	20:02:02.866		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *4082.34 +/- 6	2R3	4	0	5,526,441:30:0	
2083	0	142	20:02:04.066		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4082.28 +/- 6	2R3	4	0	5,526,441:31:8	
2084	0	142	20:46:58.866	488AK6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,526,485:70:0	
2085	0	142	21:16:32.866	488AK6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5,526,515:01:0	
2086	0	142	21:30:00.200	480SG6A	6MROH	44,23E8,0,A2	read from LLM2A44,23E8,0,A2	2R3	4	0	5,526,528:29:0	
2087	0	142	21:36:40.200	480SG6B	6MROH	45,23E8,0,B2	read from LLM2B45,23E8,0,B2	2R3	4	0	5,526,534:83:0	
2088	0	142	22:04:11.533	20MC6A	6CKSUM	MAG 4040,46F0		2R3	4	0	5,526,562:12:0	

Line	YR	DOY	SCET - GMT	PSID	Command Parameters	Description	GCM	GO	GS	RIM	MFI
2089	0	142	22:05:08.200	480MB6	6MROH	12 read from LLM1A12,2282,0,A2	2R3	4	0	5,526,563:06:0	
2090	0	142	22:05:08.200	480MB6A	6MROH	12,2282,0,A2	2R3	4	0	5,526,563:06:0	
2091	0	142	22:10:11.600	28NNNEBRLT03-	-----START-----		2R3	4	0	:	:
2092	0	142	22:10:18.200	20DJ5A	37PL	Program Load (halts microprocessor & unwri	4	0	5,526,568:16:0		
2093	0	142	22:10:21.533	20DJ5B	37MRL	Memory Realocate (software operates from R	4	0	5,526,568:21:0		
2094	0	142	22:10:31.533	20DJ6A	NIMS	NIMS,1000,LLM1A,7300,77F7	4	0	5,526,568:36:0		
2095	0	142	22:10:41.533	20DJ6B	6MCPY	NIMS,1598,LLM1A,77F8,781D	4	0	5,526,568:51:0		
2096	0	142	22:10:51.533	20DJ5C	37IRT	Instrument Reset (goes into POR state)	4	0	5,526,568:66:0		
2097	0	142	22:10:54.866	20DJ5D	37MNI	Memory Normal (software operates from ROM)	260	4	0	5,526,568:71:0	
2098	0	142	22:11:00.866	20DJ4A	37IST	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	5,526,568:80:0	
2099	0	142	22:12:12.933	28NNNEBRLT03-	-----STOP-----		2R0	4	0	:	:
2100	0	142	22:12:12.933	28JNNEBRLT03	-----START-----		2R0	4	0	:	:
2101	0	142	22:13:04.866	125DJ	NIMSINIT	##### GROUP START INIT	2R0	4	0	5,526,570:84:0	
2102	0	142	22:13:04.866	125DJ4A	37IST	Gain State 2	2R0	4	0	5,526,570:84:0	
2103	0	142	22:14:05.533	125DJ11A	NIMSINIT	##### GROUP END INIT	2R0	4	0	5,526,571:84:0	
2104	0	142	22:14:05.533	125DJ4B	37MB	1B,1B,0,0,0,0	2R0	4	0	5,526,571:84:0	
2105	0	142	22:15:10.200	165DM4A	7SCAN	NORM,71.117999,2	2R0	4	0	5,526,572:90:0	
2106	0	142	22:19:04.200	117DM	CSMOS	**** GROUP START CSMOS	2R0	4	0	5,526,576:77:0	
2107	0	142	22:19:08.866	127DJ4A	37IOP	3.0	2R3	4	0	5,526,576:84:0	
2108	0	142	22:19:08.866	127DJ	NIMSTAB	%%% GROUP START TAB	2R3	4	0	5,526,576:84:0	
2109	0	142	22:19:09.533	127DJ4B	37ETB	04,C4,35,FF,FF	2R3	4	0	5,526,576:85:0	
2110	0	142	22:19:12.200	165DM4B	7VECT	Inert vect update UTC	2R3	4	0	5,526,576:89:0	
2111	0	142	22:19:13.533	117DM105A106A4A	7STRP	0.019703,0,0,0,0	2R3	4	0	5,526,577:00:0	
2112	0	142	22:19:17.533	432DJ6A	6RTSL2	NIMSEL,AACNCG,RT	2R3	4	0	5,526,577:06:0	
2113	0	142	22:19:17.533	127DJ11A	NIMSTAB	%%% GROUP END TAB	2R3	4	0	5,526,577:06:0	
2114	0	142	22:29:22.866	432FD6A	6RTDS2	NIMDSL,AACNCG,RT	2R3	4	0	5,526,587:04:0	
2115	0	142	22:30:17.533	117DM11A	CSMOS	**** GROUP END CSMOS	2R3	4	0	5,526,587:86:0	
2116	0	142	22:30:24.933	28JNNEBRLT03	-----STOP-----		2R3	4	0	:	:
2117	0	142	22:30:24.933	28JNNTZRLT03	-----START-----		2R3	4	0	:	:
2118	0	142	22:35:19.533	125DK	NIMSINIT	##### GROUP START INIT	2R3	4	0	5,526,592:84:0	
2119	0	142	22:35:19.533	125DK4A	37IST	0,2,0,OFF,0,1,0	2R3	4	0	5,526,592:84:0	
2120	0	142	22:35:23.533	165DN4A	7SCAN	NORM,72.061,26.0	2R3	4	0	5,526,592:90:0	
2121	0	142	22:36:20.200	125DK4B	37MB	1B,1B,0,0,0,0	2R3	4	0	5,526,593:84:0	
2122	0	142	22:36:20.200	125DK11A	NIMSINIT	%%% GROUP END INIT	2R3	4	0	5,526,593:84:0	
2123	0	142	22:39:17.533	117DN	CSMOS	**** GROUP START CSMOS	2R3	4	0	5,526,596:77:0	
2124	0	142	22:39:22.200	127DK4A	37IOP	3.0	2R3	4	0	5,526,596:84:0	
2125	0	142	22:39:22.200	127DK	NIMSTAB	%%% GROUP START TAB	2R3	4	0	5,526,596:84:0	
2126	0	142	22:39:22.866	127DK4B	37ETB	04,C4,35,FF,FF	2R3	4	0	5,526,596:85:0	
2127	0	142	22:39:25.533	165DN4B	7VECT	Inert vect update UTC	2R3	4	0	5,526,596:89:0	
2128	0	142	22:39:26.866	117DN105A106A4A	7STRP	0.019703,0,0,0,0	2R3	4	0	5,526,597:00:0	
2129	0	142	22:39:30.866	127DK11A	NIMSTAB	%%% GROUP END TAB	2R3	4	0	5,526,597:06:0	
2130	0	142	22:39:30.866	432DK6A	6RTSL2	NIMSEL,AACNCG,RT	2R3	4	0	5,526,597:06:0	
2131	0	142	22:49:36.200	432EK6A	6RTDS2	NIMDSL,AACNCG,RT	2R3	4	0	5,526,607:04:0	
2132	0	142	22:50:30.866	117DN11A	CSMOS	**** GROUP END CSMOS	2R3	4	0	5,526,607:86:0	
2133	0	142	22:50:38.266	28JNNTZRLT03	-----STOP-----		2R3	4	0	:	:
2134	0	142	23:00:00.200	20TS4A	7SAFE	STOP	2R3	4	0	5,526,647:00:0	
2135	0	142	23:00:50.200	20TS4B	7SLEW	DIS,POS,0.0	2R3	4	0	5,526,647:75:0	
2136	0	142	23:30:58.200	20TS4F	7STAR	1,714,297.09	2R3	4	0	5,526,647:87:0	
2137	0	142	23:31:00.200	20TS4G	7STAR	2,586,151.424,12	2R3	4	0	5,526,647:90:0	
2138	0	142	23:31:02.200	20TS4H	7STAR	3,348,192.96	2R3	4	0	5,526,648:02:0	
2139	0	142	23:31:04.200	20TS4I	7STAR	4,0,0,0,0,0	2R3	4	0	5,526,648:05:0	
2140	0	142	23:31:06.200	20TS4J	7STAR	5,0,0,0,0,0	2R3	4	0	5,526,648:08:0	
2141	0	142	23:31:08.200	20TS4K	7STAR	6,0,0,0,0,0	2R3	4	0	5,526,648:11:0	
2142	0	142	23:35:02.866	432OE431A6A	6RCDSL	DDSNCG,PLSNCG,EP	2R3	4	0	5,526,651:90:0	
2143	0	142	23:35:03.533	432OE6A	6RTSL1	R/T Select of DDS and	2R3	4	0	5,526,652:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
2144	0	143	00:03:00.200	20UO4A	7SAFE	UNSTOW	S/P TO 153 deg cone	2R3	4	0	5,526,672:61:0	
2145	0	143	00:03:00.200	488AK6C	6TMSED	NORM,AH2	Sci, Eng, and D/L Chan	2R3	4	0	5,526,679:58:0	
2146	0	143	00:29:39.533	411JK6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,526,706:00:0	
2147	0	143	00:29:39.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4082.28 +/- 6	2R3	4	0	5,526,706:00:0	
2148	0	143	00:29:40.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4082.40 +/- 6	2R3	4	0	5,526,706:02:1	
2149	0	143	00:29:46.200		DMS:	: *US_RD	P7, TRACK *2, *REV, TIC *4083.70 +/- 6	2R3	4	0	5,526,706:10:0	
2150	0	143	00:29:47.400		DMS:	: *RUNUP	R7, TRACK 2, REV, TIC *4083.58 +/- 6	2R3	4	0	5,526,706:11:8	
2151	0	143	00:29:48.800		DMS:	: *RECORD	R7, TRACK 2, REV, TIC 4083.58 +/- 6	2R3	4	0	5,526,706:13:9	
2152	0	143	00:29:48.800		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 4083.58 +/- 6	2R3	4	0	5,526,706:13:9	
2153	0	143	00:29:49.533	411JK6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,526,706:15:0	
2154	0	143	00:31:50.866	411JK6C	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5,526,708:15:0	
2155	0	143	00:31:53.533	175TS176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	5,526,708:19:0	
2156	0	143	00:31:54.200	175TS422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,526,708:20:0	
2157	0	143	00:32:00.866		DMS:	: *RUNDOWN	R7, TRACK 2, REV, TIC *4052.63 +/- 6	2R3	4	0	5,526,708:30:0	
2158	0	143	00:32:00.866	175TS422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,526,708:30:0	
2159	0	143	00:32:02.066		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4052.57 +/- 6	2R3	4	0	5,526,708:31:8	
2160	0	143	00:39:00.200	20SV4I	7MODE	INT	AACS INERTIAL MODE	2R3	4	0	5,526,715:22:0	
2161	0	143	00:54:00.200	20SV4K	7SLEW	INIT_POS,17,45	Stator movement	2R3	4	0	5,526,730:07:0	
2162	0	143	01:06:00.200	20SV4L	7SLEW	DIS_POS,0,0	Stator movement	2R3	4	0	5,526,741:86:0	
2163	0	143	01:13:00.200	20SV4M	7SLEW	INIT_NEG,17,45	Stator movement	2R3	4	0	5,526,748:79:0	
2164	0	143	01:25:00.200	20SV4N	7SLEW	DIS_POS,0,0	Stator movement	2R3	4	0	5,526,760:67:0	
2165	0	143	01:37:00.200	20SV4AH	7MODE	CRU	AACS CRUISE MODE	2R3	4	0	5,526,772:55:0	
2166	0	143	01:53:04.200	20SW4A	7SAFE	STOP	S/P NO MOVEMENT	2R3	4	0	5,526,788:45:0	
2167	0	143	01:53:54.200	20SW4B	7SLEW	DIS_POS,0,0	Stator movement	2R3	4	0	5,526,789:29:0	
2168	0	143	02:00:00.200	481UA4A	7VECT		Inert vect update UTC	2R3	4	0	5,526,795:32:0	
2169	0	143	02:13:00.200	488AK6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5,526,808:19:0	
2170	0	143	02:15:00.200	480SH6A	6MROH	44,23E8,0,A2	read from LLM2A44,23E8,0,A2	2R3	4	0	5,526,810:17:0	
2171	0	143	02:21:40.200	480SH6B	6MROH	45,23E8,0,B2	read from LLM2B45,23E8,0,B2	2R3	4	0	5,526,816:71:0	
2172	0	143	03:17:34.266	28NNEQBLGE01-		-----START-----		2R3	4	0	:	:
2173	0	143	03:17:40.866	20DL5A	37PL		Program Load (halts microprocessor & unwri	4	0	5,526,872:16:0		
2174	0	143	03:17:44.200	20DL5B	37MRL		Memory Realocate (software operates from R	4	0	5,526,872:21:0		
2175	0	143	03:17:54.200	20DL6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7	4	0	5,526,872:36:0		
2176	0	143	03:18:04.200	20DL6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D	4	0	5,526,872:51:0		
2177	0	143	03:18:14.200	20DL5C	37IRT		Instrument Reset (goes into POR state)	4	0	5,526,872:66:0		
2178	0	143	03:18:17.533	20DL5D	37MNI		Memory Normal (software operates from ROM)	260	4	0	5,526,872:71:0	
2179	0	143	03:18:23.533	20DL4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	5,526,872:80:0	
2180	0	143	03:19:35.600	28JNEQBLGE01		-----START-----		2R0	4	0	:	:
2181	0	143	03:19:35.600	28NNEQBLGE01-		-----STOP-----		2R0	4	0	:	:
2182	0	143	03:20:27.533	125DL4A	37IST	0,2,0,OFF,0,1,0	Gain State 2	2R0	4	0	5,526,874:84:0	
2183	0	143	03:20:27.533	125DL	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,526,874:84:0	
2184	0	143	03:21:28.200	125DL4B	37MB	1B,1B,0,0,0,0	Selects mirror (spatial) edit table	2R0	4	0	5,526,875:84:0	
2185	0	143	03:21:28.200	125DL11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,526,875:84:0	
2186	0	143	03:21:32.200	165DO4A	7SCAN	NORM,85,219,25,7	Check S/P Position	2R0	4	0	5,526,875:90:0	
2187	0	143	03:24:30.200	127DL	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	5,526,878:84:0	
2188	0	143	03:24:30.200	127DL4A	37IOP	3,0	Long Map, Grating Start Position =00	2R3	4	0	5,526,878:84:0	
2189	0	143	03:24:30.866	127DL4B	37ETB	04,C4,35,FF,FF	Loads wavelength edit table	2R3	4	0	5,526,878:85:0	
2190	0	143	03:24:38.866	127DL11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,526,879:06:0	
2191	0	143	03:24:38.866	432DL6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	2R3	4	0	5,526,879:06:0	
2192	0	143	03:25:26.200	117DO	CSMOS	GS	***** GROUP START CSMOS	2R3	4	0	5,526,879:77:0	
2193	0	143	03:25:34.200	165DO4B	7VECT		Inert vect update UTC	2R3	4	0	5,526,879:89:0	
2194	0	143	03:25:35.533	117DO105A106A4A	7STRP	0,00885,0,0,0,0,0	Slew =,0.03	2R3	4	0	5,526,880:00:0	
2195	0	143	03:29:40.866	432EL6A	6RTDS2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	2R3	4	0	5,526,884:04:0	
2196	0	143	03:30:35.533	117DO11A	CSMOS	GE	***** GROUP END CSMOS	2R3	4	0	5,526,884:86:0	
2197	0	143	03:30:42.933	28JNEQBLGE01		-----STOP-----		2R3	4	0	:	:
2198	0	143	03:35:08.200	488AL6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5,526,889:40:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
2199	0	143	03:49:04.866	488AL6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,526,903:21:0	
2200	0	143	05:32:00.200	488AL6C	6TMSED	NORMAL1	Sci, Eng, and D/L Chan	2R3	4	0	5,527,005:02:0	
2201	0	143	05:37:06.266	28NNEQBLGE02-		-----START-----		2R3	4	0	:	:
2202	0	143	05:37:12.866	20DM5A	37PL		Program Load (halts microprocessor & unwri	4	0	0	5,527,010:16:0	
2203	0	143	05:37:16.200	20DM5B	37MRL		Memory Realocate (software operates from R	4	0	0	5,527,010:21:0	
2204	0	143	05:37:26.200	20DM6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7	4	0	0	5,527,010:36:0	
2205	0	143	05:37:36.200	20DM6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D	4	0	0	5,527,010:51:0	
2206	0	143	05:37:46.200	20DM5C	37IRT		Instrument Reset (goes into POR state)	4	0	0	5,527,010:66:0	
2207	0	143	05:37:49.533	20DM5D	37MNI		Memory Normal (software operates from ROM)	260	4	0	5,527,010:71:0	
2208	0	143	05:37:55.533	20DM4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	5,527,010:80:0	
2209	0	143	05:38:06.866	488AL6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R0	4	0	5,527,011:06:0	
2210	0	143	05:39:07.600	28JNEQBLGE02		-----START-----		2R0	4	0	:	:
2211	0	143	05:39:07.600	28NNEQBLGE02-		-----STOP-----		2R0	4	0	:	:
2212	0	143	05:39:59.533	125DM4A	37IST	0,2,0,OFF,0,1,0	Gain State 2	2R0	4	0	5,527,012:84:0	
2213	0	143	05:39:59.533	125DM4	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,527,012:84:0	
2214	0	143	05:40:03.533	165DP4A	7SCAN	NORM,88.544,25.8	Check S/P Position	2R0	4	0	5,527,012:90:0	
2215	0	143	05:41:00.200	125DM4B	37MB	1B,1B,0,0,0,0	Selects mirror (spatial) edit table	2R0	4	0	5,527,013:84:0	
2216	0	143	05:41:00.200	125DM11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,527,013:84:0	
2217	0	143	05:43:57.533	117DP	CSMOS	GS	***** GROUP START CSMOS	2R0	4	0	5,527,016:77:0	
2218	0	143	05:44:02.200	127DM	NIMSTAB	GS	%%-%-% GROUP START TAB	2R0	4	0	5,527,016:84:0	
2219	0	143	05:44:02.200	127DM4A	37IOP	3,0	Long Map, Grating Start Position =00	2R3	4	0	5,527,016:84:0	
2220	0	143	05:44:02.866	127DM4B	37ETB	04,C4,35,FF,FF	Loads wavelength edit table	2R3	4	0	5,527,016:85:0	
2221	0	143	05:44:05.533	165DP4B	7VECT		Inert vect update UTC	2R3	4	0	5,527,016:89:0	
2222	0	143	05:44:06.866	117DP105A106A4A	7STRP	0,00885,0,0,0,0,0,	Slew = 0.03	2R3	4	0	5,527,017:00:0	
2223	0	143	05:44:10.866	127DM11A	NIMSTAB	GE	%%-%-% GROUP END TAB	2R3	4	0	5,527,017:06:0	
2224	0	143	05:44:10.866	432DM6G	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	2R3	4	0	5,527,017:06:0	
2225	0	143	05:49:06.866	117DP11A	CSMOS	GE	***** GROUP END CSMOS	2R3	4	0	5,527,021:86:0	
2226	0	143	05:49:12.866	432EM6A	6RTDS2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	2R3	4	0	5,527,022:04:0	
2227	0	143	05:49:14.266	28JNEQBLGE02		-----STOP-----		2R3	4	0	:	:
2228	0	143	07:10:03.533		DMS:	:*US-RUNUP	P7, TRACK *1, *FWD, TIC 4052.57 +/- 6	2R3	4	0	5,527,102:00:0	
2229	0	143	07:10:03.533	411JL6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,527,102:00:0	
2230	0	143	07:10:04.933		DMS:	:*US AT SP	P7, TRACK 1, FWD, TIC *4052.69 +/- 6	2R3	4	0	5,527,102:02:1	
2231	0	143	07:10:10.200		DMS:	:*US RD	P7, TRACK 1, FWD, TIC *4053.92 +/- 6	2R3	4	0	5,527,102:10:0	
2232	0	143	07:10:11.400		DMS:	:*RUNUP	R7, TRACK *2, *REV, TIC *4053.98 +/- 6	2R3	4	0	5,527,102:11:8	
2233	0	143	07:10:12.800		DMS:	:*AT SPD	R7, TRACK 2, REV, TIC 4053.86 +/- 6	2R3	4	0	5,527,102:13:9	
2234	0	143	07:10:12.800		DMS:	:*RECORD	R7, TRACK 2, REV, TIC *4053.86 +/- 6	2R3	4	0	5,527,102:13:9	
2235	0	143	07:10:13.533	411JL6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,527,102:15:0	
2236	0	143	07:12:14.866	411JL6C	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5,527,104:15:0	
2237	0	143	07:12:17.533	175TT176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	5,527,104:19:0	
2238	0	143	07:12:18.200	175TT422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,527,104:20:0	
2239	0	143	07:12:24.866	175TT422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,527,104:30:0	
2240	0	143	07:12:24.866		DMS:	:*RUNDOWN	R7, TRACK 2, REV, TIC *4022.91 +/- 6	2R3	4	0	5,527,104:30:0	
2241	0	143	07:12:26.066		DMS:	:*READY	RDY, TRACK 2, REV, TIC *4022.85 +/- 6	2R3	4	0	5,527,104:31:8	
2242	0	143	07:18:12.933	28NNEQBLGE03-		-----START-----		2R3	4	0	:	:
2243	0	143	07:18:19.533	20DN5A	37PL		Program Load (halts microprocessor & unwri	4	0	0	5,527,110:16:0	
2244	0	143	07:18:22.866	20DN5B	37MRL		Memory Realocate (software operates from R	4	0	0	5,527,110:21:0	
2245	0	143	07:18:32.866	20DN6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7	4	0	0	5,527,110:36:0	
2246	0	143	07:18:42.866	20DN6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D	4	0	0	5,527,110:51:0	
2247	0	143	07:18:52.866	20DN5C	37IRT		Instrument Reset (goes into POR state)	4	0	0	5,527,110:66:0	
2248	0	143	07:18:56.200	20DN5D	37MNI		Memory Normal (software operates from ROM)	260	4	0	5,527,110:71:0	
2249	0	143	07:19:02.200	20DN4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	5,527,110:80:0	
2250	0	143	07:20:09.533	165DQ4A	7SCAN	NORM,90.693999,2	Check S/P Position	2R0	4	0	5,527,111:90:0	
2251	0	143	07:20:14.266	28NNEQBLGE03-		-----STOP-----		2R0	4	0	:	:
2252	0	143	07:20:14.266	28JNEQBLGE03		-----START-----		2R0	4	0	:	:
2253	0	143	07:21:06.200	125DN4A	37IST	0,2,0,OFF,0,1,0	Gain State 2	2R0	4	0	5,527,112:84:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
2254	0	143	07:21:06.200	125DN	NIMSNIT	GS	##### GROUP START INIT	2R0	4	0	5,527,112:84:0	
2255	0	143	07:22:06.866	125DN11A	NIMSNIT	GE	##### GROUP END INIT	2R0	4	0	5,527,113:84:0	
2256	0	143	07:22:06.866	125DN4B	37MB	1B,1B,0,0,0,0	Selects mirror (spatial) edit table	2R0	4	0	5,527,113:84:0	
2257	0	143	07:24:03.533	117DQ	CSMOS	GS	**** GROUP START CSMOS	2R0	4	0	5,527,115:77:0	
2258	0	143	07:24:08.200	127DN	NIMSTAB	GS	%% %% GROUP START TAB	2R0	4	0	5,527,115:84:0	
2259	0	143	07:24:08.200	127DN4A	37IOP	3,0	Long Map, Grating Start Position =00	2R3	4	0	5,527,115:84:0	
2260	0	143	07:24:08.866	127DN4B	37ETB	04,C4,35,FF,FF	Loads wavelength edit table	2R3	4	0	5,527,115:85:0	
2261	0	143	07:24:11.533	165DQ4B	7VECT		Inert vect update UTC	2R3	4	0	5,527,115:89:0	
2262	0	143	07:24:12.866	117DQ105A106A4A	7STRP	0,00885,0,0,0,0	Slew = 0.03	2R3	4	0	5,527,116:00:0	
2263	0	143	07:24:16.866	127DN11A	NIMSTAB	GE	%% %% GROUP END TAB	2R3	4	0	5,527,116:06:0	
2264	0	143	07:24:16.866	432DN6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	2R3	4	0	5,527,116:06:0	
2265	0	143	07:25:30.866	488AL6E	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,527,117:26:0	
2266	0	143	07:29:12.866	117DQ11A	CSMOS	GE	**** GROUP END CSMOS	2R3	4	0	5,527,120:86:0	
2267	0	143	07:29:18.866	432EN6A	6RTDS2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	2R3	4	0	5,527,121:04:0	
2268	0	143	07:29:20.266	28JNEQBLGE03		-----STOP-----		2R3	4	0	:	
2269	0	143	09:39:45.600	28JNEQBLGE04		-----START-----		2R3	4	0	:	
2270	0	143	09:39:37.533	125D04A	37IST	0,2,0,OFF,0,1,0	Gain State 2	2R3	4	0	5,527,249:84:0	
2271	0	143	09:39:37.533	125D0A	NIMSNIT	GS	##### GROUP START INIT	2R3	4	0	5,527,249:84:0	
2272	0	143	09:39:41.533	165DR4A	7SCAN	NORM,93.375,25.8	Check S/P Position	2R3	4	0	5,527,249:90:0	
2273	0	143	09:40:38.200	125D04B	37MB	1B,1B,0,0,0,0	Selects mirror (spatial) edit table	2R3	4	0	5,527,250:84:0	
2274	0	143	09:40:38.200	125D011A	NIMSNIT	GE	##### GROUP END INIT	2R3	4	0	5,527,250:84:0	
2275	0	143	09:43:35.533	117DR	CSMOS	GS	**** GROUP START CSMOS	2R3	4	0	5,527,253:77:0	
2276	0	143	09:43:40.200	127D04A	37IOP	3,0	Long Map, Grating Start Position =00	2R3	4	0	5,527,253:84:0	
2277	0	143	09:43:40.200	127D0A	NIMSTAB	GS	%% %% GROUP START TAB	2R3	4	0	5,527,253:84:0	
2278	0	143	09:43:40.866	127D04B	37ETB	04,C4,35,FF,FF	Loads wavelength edit table	2R3	4	0	5,527,253:85:0	
2279	0	143	09:43:43.533	165DR4B	7VECT		Inert vect update UTC	2R3	4	0	5,527,253:89:0	
2280	0	143	09:43:44.866	117DR105A106A4A	7STRP	0,00885,0,0,0,0	Slew = 0.03	2R3	4	0	5,527,254:00:0	
2281	0	143	09:43:48.866	127D011A	NIMSTAB	GE	%% %% GROUP END TAB	2R3	4	0	5,527,254:06:0	
2282	0	143	09:43:48.866	432D06A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	2R3	4	0	5,527,254:06:0	
2283	0	143	09:48:44.866	117DR11A	CSMOS	GE	**** GROUP END CSMOS	2R3	4	0	5,527,258:86:0	
2284	0	143	09:48:50.866	432E06A	6RTDS2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	2R3	4	0	5,527,259:04:0	
2285	0	143	09:48:52.266	28JNEQBLGE04		-----STOP-----		2R3	4	0	:	
2286	0	143	10:08:44.866	488AM6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,527,278:66:0	
2287	0	143	10:37:24.266	28NNEQBLGE05-		-----START-----		2R3	4	0	:	
2288	0	143	10:37:30.866	20DP5A	37PL		Program Load (halts microprocessor & unwri	4	0	5,527,307:16:0		
2289	0	143	10:37:34.200	20DP5B	37MRL		Memory Realocate (software operates from R	4	0	5,527,307:21:0		
2290	0	143	10:37:44.200	20DP6A	6MCPY	NIMS	NIMS,1000,LLM1A,7300,77F7	4	0	5,527,307:36:0		
2291	0	143	10:37:54.200	20DP6B	6MCPY	NIMS	NIMS,1598,LLM1A,77F8,781D	4	0	5,527,307:51:0		
2292	0	143	10:38:04.200	20DP5C	37IRT		Instrument Reset (goes into POR state)	4	0	5,527,307:66:0		
2293	0	143	10:38:07.533	20DP5D	37MNI		Memory Normal (software operates from ROM)	260	4	0	5,527,307:71:0	
2294	0	143	10:38:13.533	20DP4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	5,527,307:80:0	
2295	0	143	10:39:25.600	28JNEQBLGE05		-----START-----		2R0	4	0	:	
2296	0	143	10:39:25.600	28NNEQBLGE05-		-----STOP-----		2R0	4	0	:	
2297	0	143	10:40:21.533	165DS4A	7SCAN	NORM,94.447,25.7	Check S/P Position	2R0	4	0	5,527,309:90:0	
2298	0	143	10:41:18.200	125DP4A	37IST	0,2,0,OFF,0,1,0	Gain State 2	2R0	4	0	5,527,310:84:0	
2299	0	143	10:41:18.200	125DP	NIMSNIT	GS	##### GROUP START INIT	2R0	4	0	5,527,310:84:0	
2300	0	143	10:42:18.866	125DP11A	NIMSNIT	GE	##### GROUP END INIT	2R0	4	0	5,527,311:84:0	
2301	0	143	10:42:18.866	125DP4B	37MB	1B,1B,0,0,0,0	Selects mirror (spatial) edit table	2R0	4	0	5,527,311:84:0	
2302	0	143	10:44:15.533	117DS	CSMOS	GS	**** GROUP START CSMOS	2R0	4	0	5,527,313:77:0	
2303	0	143	10:44:20.200	127DP4A	37IOP	3,0	Long Map, Grating Start Position =00	2R3	4	0	5,527,313:84:0	
2304	0	143	10:44:20.200	127DP	NIMSTAB	GS	%% %% GROUP START TAB	2R3	4	0	5,527,313:84:0	
2305	0	143	10:44:20.866	127DP4B	37ETB	04,C4,35,FF,FF	Loads wavelength edit table	2R3	4	0	5,527,313:85:0	
2306	0	143	10:44:23.533	165DS4B	7VECT		Inert vect update UTC	2R3	4	0	5,527,313:89:0	
2307	0	143	10:44:24.866	117DS105A106A4A	7STRP	0,00885,0,0,0,0	Slew = 0.03	2R3	4	0	5,527,314:00:0	
2308	0	143	10:44:28.866	127DP11A	NIMSTAB	GE	%% %% GROUP END TAB	2R3	4	0	5,527,314:06:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
2309	0	143	10:44:28.866	432DP6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	2R3	4	0	5,527,314:06:0	
2310	0	143	10:49:24.866	117DS11A	CSMOS	GE	**** GROUP END CSMOS	2R3	4	0	5,527,318:86:0	
2311	0	143	10:49:30.866	432EP6A	6RTDS2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	2R3	4	0	5,527,319:04:0	
2312	0	143	10:49:32.266	28JNEQBLGE05		-----STOP-----		2R3	4	0	:::	
2313	0	143	11:04:42.266	28JNAURORA01		-----START-----		2R3	4	0	:::	
2314	0	143	11:05:33.533	33AA4	37MB	0,0,0,0,0,0	Selects mirror (spatial) edit table	2R3	4	0	5,527,334:83:0	
2315	0	143	11:05:38.200	165DT4A	7SCAN	NORM,92.74,28.26	Check S/P Position	2R3	4	0	5,527,334:90:0	
2316	0	143	11:07:35.533	125DQ11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	5,527,336:84:0	
2317	0	143	11:07:35.533	125DQ4A	37IST	0,2,0,OFF,0,1,0	Gain State 2	2R3	4	0	5,527,336:84:0	
2318	0	143	11:07:35.533	125DQ	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	5,527,336:84:0	
2319	0	143	11:08:36.200	127DQ	NIMSTAB	GS	##### GROUP START TAB	2R3	4	0	5,527,337:84:0	
2320	0	143	11:08:36.200	127DQ4A	37IOP	3,0	Long Map, Grating Start Position =00	2R3	4	0	5,527,337:84:0	
2321	0	143	11:08:36.866	127DQ4B	37ETB	04,C4,35,FF,FF	Loads wavelength edit table	2R3	4	0	5,527,337:85:0	
2322	0	143	11:08:44.866	127DQ11A	NIMSTAB	GE	##### GROUP END TAB	2R3	4	0	5,527,338:06:0	
2323	0	143	11:09:26.866	175DQ422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R3	4	0	5,527,338:69:0	
2324	0	143	11:09:26.866		DMS:	:*US-RUNUP	P7, TRACK 1, *FWD, TIC 4022.85 +/- 6	2R3	4	0	5,527,338:69:0	
2325	0	143	11:09:28.266		DMS:	:*US_AT_SP	P7, TRACK 1, FWD, TIC *4022.97 +/- 6	2R3	4	0	5,527,338:71:1	
2326	0	143	11:09:32.200	117DT	CSMOS	GS	**** GROUP START CSMOS	2R3	4	0	5,527,338:77:0	
2327	0	143	11:09:33.533		DMS:	:*US_RD	P7, TRACK 1, FWD, TIC *4024.20 +/- 6	2R3	4	0	5,527,338:79:0	
2328	0	143	11:09:34.733		DMS:	:*RUNUP	R28, TRACK *2, *REV, TIC *4024.26 +/- 6	2R3	4	0	5,527,338:80:8	
2329	0	143	11:09:38.200	175DQ176A6A	6TMREC	MPW	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	5,527,338:86:0	
2330	0	143	11:09:38.733		DMS:	:*AT_SPD	R28, TRACK 2, REV, TIC 4022.76 +/- 6	2R3	4	0	5,527,338:86:8	
2331	0	143	11:09:38.733		DMS:	:*RECORD	R28, TRACK 2, REV, TIC *4022.76 +/- 6	2R3	4	0	5,527,338:86:8	
2332	0	143	11:09:38.866	28JNAURORA01-	NIMPBK	301DQ	JUPITER AURORA OBSERVATION	2R3	4	0	:::	
2333	0	143	11:09:41.533	117DT105A106A4A	7STRP	0,0,36016,0,0,0,0	Slew =-0.06	2R3	4	0	5,527,339:00:0	
2334	0	143	11:12:12.200	28JNAURORA01-	DESEL	300DQ	JUPITER AURORA OBSERVATION	2R3	4	0	:::	
2335	0	143	11:12:14.866		DMS:	:*RUNDOWN	R28, TRACK 2, REV, TIC *3885.54 +/- 6	2R3	4	0	5,527,341:48:0	
2336	0	143	11:12:14.866	175DQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,527,341:48:0	
2337	0	143	11:12:16.066		DMS:	:*READY	RDY, TRACK 2, REV, TIC *3885.24 +/- 6	2R3	4	0	5,527,341:49:8	
2338	0	143	11:19:48.200	117DT11A	CSMOS	GE	**** GROUP END CSMOS	2R3	4	0	5,527,349:00:0	
2339	0	143	11:19:52.266	28JNAURORA01		-----STOP-----		2R3	4	0	:::	
2340	0	143	11:28:54.200	411JM6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,527,358:00:0	
2341	0	143	11:28:54.200		DMS:	:*US-RUNUP	P7, TRACK *1, *FWD, TIC 3885.24 +/- 6	2R3	4	0	5,527,358:00:0	
2342	0	143	11:28:55.600		DMS:	:*US_AT_SP	P7, TRACK 1, FWD, TIC *3885.36 +/- 6	2R3	4	0	5,527,358:02:1	
2343	0	143	11:29:00.866		DMS:	:*US_RD	P7, TRACK 1, FWD, TIC *3886.59 +/- 6	2R3	4	0	5,527,358:10:0	
2344	0	143	11:29:02.066		DMS:	:*RUNUP	R7, TRACK *2, *REV, TIC *3886.65 +/- 6	2R3	4	0	5,527,358:11:8	
2345	0	143	11:29:03.466		DMS:	:*RECORD	R7, TRACK 2, REV, TIC *3886.53 +/- 6	2R3	4	0	5,527,358:13:9	
2346	0	143	11:29:03.466		DMS:	:*AT_SPD	R7, TRACK 2, REV, TIC 3886.53 +/- 6	2R3	4	0	5,527,358:13:9	
2347	0	143	11:29:04.200	411JM6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,527,358:15:0	
2348	0	143	11:31:05.533	411JM6C	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5,527,360:15:0	
2349	0	143	11:31:08.200	175TU176A6A	6TMREC	LPC	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	5,527,360:19:0	
2350	0	143	11:31:08.866	175TU422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,527,360:20:0	
2351	0	143	11:31:15.533		DMS:	:*RUNDOWN	R7, TRACK 2, REV, TIC *3855.58 +/- 6	2R3	4	0	5,527,360:30:0	
2352	0	143	11:31:15.533	175TU422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,527,360:30:0	
2353	0	143	11:31:16.733		DMS:	:*READY	RDY, TRACK 2, REV, TIC *3855.52 +/- 6	2R3	4	0	5,527,360:31:8	
2354	0	143	12:03:20.933	28NNAURORA02-		-----START-----		2R3	4	0	:::	
2355	0	143	12:04:02.866	20DS5A	37PL		Program Load (halts microprocessor & unwri	4	0	5,527,392:69:0		
2356	0	143	12:04:10.200	20DS5B	37MRL		Memory Realocate (software operates from R	4	0	5,527,392:80:0		
2357	0	143	12:04:18.200	20DS6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7	4	0	5,527,393:01:0		
2358	0	143	12:04:28.200	20DS6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D	4	0	5,527,393:16:0		
2359	0	143	12:04:38.200	20DS5C	37IRT		Instrument Reset (goes into POR state)	4	0	5,527,393:31:0		
2360	0	143	12:04:57.533	20DS5D	37MNI		Memory Normal (software operates from ROW)	260	4	0	5,527,393:60:0	
2361	0	143	12:05:10.866	20DS4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	5,527,393:80:0	
2362	0	143	12:05:22.266	28JNAURORA02		-----START-----		2R0	4	0	:::	
2363	0	143	12:05:22.266	28NNAURORA02-		-----STOP-----		2R0	4	0	:::	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
2364	0	143	12:06:14.200	125DS11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5.527,394:84:0	
2365	0	143	12:06:14.200	125DS	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5.527,394:84:0	
2366	0	143	12:06:14.200	125DS4A	37IST	0,2,0,OFF,0,1,0	Gain State 2	2R0	4	0	5.527,394:84:0	
2367	0	143	12:06:18.200	165DV4A	7SCAN	NORM,93.971999,2	Check S/P Position	2R0	4	0	5.527,394:90:0	
2368	0	143	12:07:14.866	127DS4A	37IOP	3,0	Long Map, Grating Start Position =00	2R3	4	0	5.527,395:84:0	
2369	0	143	12:07:14.866	127DS	NIMSTAB	GS	Load wavelenght edit table	2R3	4	0	5.527,395:84:0	
2370	0	143	12:07:15.533	127DS4B	37ETB	04,C4,35,FF,FF	Loads wavelenght edit table	2R3	4	0	5.527,395:85:0	
2371	0	143	12:07:23.533	127DS11A	NIMSTAB	GE	##### GROUP END TAB	2R3	4	0	5.527,396:06:0	
2372	0	143	12:10:12.200	117DV	CSMOS	GS	##### GROUP START CSMOS	2R3	4	0	5.527,398:77:0	
2373	0	143	12:10:21.533	117DV105A106A4A	6TMSTRP	0,036016,0,0,0,0	Slew =-0.06	2R3	4	0	5.527,399:69:0	
2374	0	143	12:11:07.533	175DS422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R3	4	0	5.527,399:69:0	
2375	0	143	12:11:07.533		DMS:	:*US-RUNUP	P7, TRACK *1, *FWD, TIC 3855.52 +/- 6	2R3	4	0	5.527,399:69:0	
2376	0	143	12:11:08.933		DMS:	:*US AT SP	P7, TRACK 1, FWD, TIC *3855.64 +/- 6	2R3	4	0	5.527,399:71:1	
2377	0	143	12:11:14.200		DMS:	:*US_RD	P7, TRACK 1, FWD, TIC *3856.87 +/- 6	2R3	4	0	5.527,399:79:0	
2378	0	143	12:11:15.400		DMS:	:*RUNUP	R28, TRACK *2, *REV, TIC *3856.93 +/- 6	2R3	4	0	5.527,399:80:8	
2379	0	143	12:11:18.866	175DS176A6A	6TMREC	MPW	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	5.527,399:86:0	
2380	0	143	12:11:19.400		DMS:	:*RECORD	R28, TRACK 2, REV, TIC *3855.43 +/- 6	2R3	4	0	5.527,399:86:8	
2381	0	143	12:11:19.400		DMS:	:*AT_SPD	R28, TRACK 2, REV, TIC 3855.43 +/- 6	2R3	4	0	5.527,399:86:8	
2382	0	143	12:11:19.533	28JNAURORA02-	NIMPBK	301DS	JUPITER AURORA OBSERVATION	2R3	4	0	:	:
2383	0	143	12:11:19.533	28JNAURORA02-	NIMPBK	301DO	JUPITER AURORA OBSERVATION	2R3	4	0	:	:
2384	0	143	12:13:59.533	28JNAURORA02-	DESEL	300DO	JUPITER AURORA OBSERVATION	2R3	4	0	:	:
2385	0	143	12:13:59.533	28JNAURORA02-	DESEL	300DS	JUPITER AURORA OBSERVATION	2R3	4	0	:	:
2386	0	143	12:14:02.200		DMS:	:*RUNDOWN	R28, TRACK 2, REV, TIC *3712.34 +/- 6	2R3	4	0	5.527,402:58:0	
2387	0	143	12:14:02.200	175DS422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5.527,402:58:0	
2388	0	143	12:14:03.400		DMS:	:*READY	RDY, TRACK 2, REV, TIC *3712.04 +/- 6	2R3	4	0	5.527,402:59:8	
2389	0	143	12:20:28.200	117DV11A	CSMOS	GE	##### GROUP END CSMOS	2R3	4	0	5.527,409:00:0	
2390	0	143	12:20:32.266	28JNAURORA02			-----STOP-----	2R3	4	0	:	:
2391	0	143	13:03:00.266	28NAURORA03-			-----START-----	2R3	4	0	:	:
2392	0	143	13:03:42.200	20DT5A	37PL		Program Load (halts microprocessor & unwri	4	0	5.527,451:69:0		
2393	0	143	13:03:49.533	20DT5B	37MRL		Memory Realocate (software operates from R	4	0	5.527,451:80:0		
2394	0	143	13:03:57.533	20DT6A	6MCPY	NIMS	NIMS,1000,LLM1A,7300,77F7	4	0	5.527,452:01:0		
2395	0	143	13:04:07.533	20DT6B	6MCPY	NIMS	NIMS,1598,LLM1A,77F8,781D	4	0	5.527,452:16:0		
2396	0	143	13:04:17.533	20DT5C	37IRT		Instrument Reset (goes into POR state)	4	0	5.527,452:31:0		
2397	0	143	13:04:37.533	20DT5D	37MN		Memory Normal (software operates from ROM)	260	4	0	5.527,452:61:0	
2398	0	143	13:04:50.200	20DT4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	5.527,452:80:0	
2399	0	143	13:05:01.600	28JNAURORA03			-----START-----	2R0	4	0	:	:
2400	0	143	13:05:01.600	28NAURORA03-			-----STOP-----	2R0	4	0	:	:
2401	0	143	13:05:53.533	125DT11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5.527,453:84:0	
2402	0	143	13:05:53.533	125DT	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5.527,453:84:0	
2403	0	143	13:05:53.533	125DT4A	37IST	0,2,0,OFF,0,1,0	Gain State 2	2R0	4	0	5.527,453:84:0	
2404	0	143	13:05:57.533	165DW4A	7SCAN	NORM,94.879,28,0	Check S/P Position	2R0	4	0	5.527,453:90:0	
2405	0	143	13:06:54.200	127DT4A	37IOP	3,0	Long Map, Grating Start Position =00	2R3	4	0	5.527,454:84:0	
2406	0	143	13:06:54.200	127DT	NIMSTAB	GS	##### GROUP START TAB	2R3	4	0	5.527,454:84:0	
2407	0	143	13:06:54.866	127DT4B	37ETB	04,C4,35,FF,FF	Loads wavelenght edit table	2R3	4	0	5.527,454:85:0	
2408	0	143	13:07:02.866	127DT11A	NIMSTAB	GE	##### GROUP END TAB	2R3	4	0	5.527,455:06:0	
2409	0	143	13:09:51.533	117DW	CSMOS	GS	##### GROUP START CSMOS	2R3	4	0	5.527,457:77:0	
2410	0	143	13:10:00.866	117DW105A106A4A	6TMSTRP	0,036016,0,0,0,0	Slew =-0.06	2R3	4	0	5.527,458:00:0	
2411	0	143	13:10:46.866	175DT422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R3	4	0	5.527,458:69:0	
2412	0	143	13:10:46.866		DMS:	:*US-RUNUP	P7, TRACK *1, *FWD, TIC 3712.04 +/- 6	2R3	4	0	5.527,458:69:0	
2413	0	143	13:10:48.266		DMS:	:*US AT SP	P7, TRACK 1, FWD, TIC *3712.16 +/- 6	2R3	4	0	5.527,458:71:1	
2414	0	143	13:10:53.533		DMS:	:*US_RD	P7, TRACK 1, FWD, TIC *3713.40 +/- 6	2R3	4	0	5.527,458:79:0	
2415	0	143	13:10:54.733		DMS:	:*RUNUP	R28, TRACK *2, *REV, TIC *3713.46 +/- 6	2R3	4	0	5.527,458:80:8	
2416	0	143	13:10:58.200	175DT176A6A	6TMREC	MPW	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	5.527,458:86:0	
2417	0	143	13:10:58.733		DMS:	:*RECORD	R28, TRACK 2, REV, TIC *3711.96 +/- 6	2R3	4	0	5.527,458:86:8	
2418	0	143	13:10:58.733		DMS:	:*AT_SPD	R28, TRACK 2, REV, TIC 3711.96 +/- 6	2R3	4	0	5.527,458:86:8	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
2419	0	143	13:10:58.866	28JNAURORA03-	NIMPBK	301DT	JUPITER AURORA OBSERVATION	2R3	4	0	:	:
2420	0	143	13:13:38.866	28JNAURORA03-	DESEL	300DT	JUPITER AURORA OBSERVATION	2R3	4	0	:	:
2421	0	143	13:13:41.533	175DT422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,527,461:58:0	
2422	0	143	13:13:41.533		DMS:	: *RUNDOWN	R28, TRACK 2, REV, TIC *3568.87 +/- 6	2R3	4	0	5,527,461:58:0	
2423	0	143	13:13:42.733		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3568.57 +/- 6	2R3	4	0	5,527,461:59:8	
2424	0	143	13:20:07.533	117DW11A	CSMOS	GE	***** GROUP END CSMOS	2R3	4	0	5,527,468:00:0	
2425	0	143	13:20:11.600	28JNAURORA03			-----STOP-----	2R3	4	0	:	:
2426	0	143	14:23:53.600	28NNAURORA04-			-----START-----	2R3	4	0	:	:
2427	0	143	14:24:35.533	20DV5A	37PL		Program Load (halts microprocessor & unwri	4	0	5,527,531:69:0		
2428	0	143	14:24:42.866	20DV5B	37MRL		Memory Realocate (software operates from R	4	0	5,527,531:80:0		
2429	0	143	14:24:50.866	20DV6A	6MCPY	NIMS	NIMS,1000,LLM1A,7300,77F7	4	0	5,527,532:01:0		
2430	0	143	14:25:00.866	20DV6B	6MCPY	NIMS	NIMS,1598,LLM1A,77F8,781D	4	0	5,527,532:16:0		
2431	0	143	14:25:10.866	20DV5C	37IRT		Instrument Reset (goes into POR state)	4	0	5,527,532:31:0		
2432	0	143	14:25:30.866	20DV5D	37MNL		Memory Normal (software operates from ROM)	260	4	0	5,527,532:61:0	
2433	0	143	14:25:43.533	20DV4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	5,527,532:80:0	
2434	0	143	14:25:50.200	165DY4A	7SCAN	NORM,96.315,27.9	Check S/P Position	2R0	4	0	5,527,532:90:0	
2435	0	143	14:25:54.933	28JNAURORA04			-----START-----	2R0	4	0	:	:
2436	0	143	14:25:54.933	28NNAURORA04-			-----STOP-----	2R0	4	0	:	:
2437	0	143	14:26:46.866	125DV4A	37IST	0,2,0,OFF,0,1,0	Gain State 2	2R0	4	0	5,527,533:84:0	
2438	0	143	14:26:46.866	125DV11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,527,533:84:0	
2439	0	143	14:26:46.866	125DV	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,527,533:84:0	
2440	0	143	14:27:47.533	127DV4A	37IOP	3,0	Long Map, Grating Start Position =00	2R3	4	0	5,527,534:84:0	
2441	0	143	14:27:47.533	127DV	NIMSTAB	GS	%%-%-%-% GROUP START TAB	2R3	4	0	5,527,534:84:0	
2442	0	143	14:27:48.200	127DV4B	37ETB	04,C4,35,FF,FF	Loads wavelength edit table	2R3	4	0	5,527,534:85:0	
2443	0	143	14:27:56.200	127DV11A	NIMSTAB	GE	%%-%-%-% GROUP END TAB	2R3	4	0	5,527,535:06:0	
2444	0	143	14:29:44.200	117DY	CSMOS	GS	***** GROUP START CSMOS	2R3	4	0	5,527,536:77:0	
2445	0	143	14:29:53.533	117DY105A106A4A	7STRP	0,0,360,16,0,0,0,0	Slew = 0.06	2R3	4	0	5,527,537:00:0	
2446	0	143	14:30:39.533	175DV422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R3	4	0	5,527,537:69:0	
2447	0	143	14:30:39.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC *3568.57 +/- 6	2R3	4	0	5,527,537:69:0	
2448	0	143	14:30:40.933		DMS:	: *US AT SP	P7, TRACK 1, FWD, TIC *3568.69 +/- 6	2R3	4	0	5,527,537:71:1	
2449	0	143	14:30:46.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3569.93 +/- 6	2R3	4	0	5,527,537:79:0	
2450	0	143	14:30:47.400		DMS:	: *RUNUP	R28, TRACK *2, *REV, TIC *3569.99 +/- 6	2R3	4	0	5,527,537:80:8	
2451	0	143	14:30:50.866	175DV176A6A	6TMREC	MPW	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	5,527,537:86:0	
2452	0	143	14:30:51.400		DMS:	: *RECORD	R28, TRACK 2, REV, TIC *3568.49 +/- 6	2R3	4	0	5,527,537:86:8	
2453	0	143	14:30:51.400		DMS:	: *AT SPD	R28, TRACK 2, REV, TIC *3568.49 +/- 6	2R3	4	0	5,527,537:86:8	
2454	0	143	14:30:51.533	28JNAURORA04-	NIMPBK	301DV	JUPITER AURORA OBSERVATION	2R3	4	0	:	:
2455	0	143	14:30:51.533	28JNAURORA04-	NIMPBK	301DP	JUPITER AURORA OBSERVATION	2R3	4	0	:	:
2456	0	143	14:32:01.400	28JNAURORA04-	NIMPBK	301EU	JUPITER AURORA OBSERVATION	2R3	4	0	:	:
2457	0	143	14:32:12.333	28JNAURORA04-	DESEL	300EU	JUPITER AURORA OBSERVATION	2R3	4	0	:	:
2458	0	143	14:33:31.533	28JNAURORA04-	DESEL	300DP	JUPITER AURORA OBSERVATION	2R3	4	0	:	:
2459	0	143	14:33:31.533	28JNAURORA04-	DESEL	300DV	JUPITER AURORA OBSERVATION	2R3	4	0	:	:
2460	0	143	14:33:34.200		DMS:	: *RUNDOWN	R28, TRACK 2, REV, TIC *3425.40 +/- 6	2R3	4	0	5,527,540:58:0	
2461	0	143	14:33:34.200	175DV422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,527,540:58:0	
2462	0	143	14:33:35.400		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3425.10 +/- 6	2R3	4	0	5,527,540:59:8	
2463	0	143	14:40:00.200	117DY11A	CSMOS	GE	***** GROUP END CSMOS	2R3	4	0	5,527,547:00:0	
2464	0	143	14:40:04.266	28JNAURORA04			-----STOP-----	2R3	4	0	:	:
2465	0	143	14:48:09.600	28NNGLOBAL01-			-----START-----	2R3	4	0	:	:
2466	0	143	14:48:51.533	20DW5A	37PL		Program Load (halts microprocessor & unwri	4	0	5,527,555:69:0		
2467	0	143	14:48:58.866	20DW5B	37MRL		Memory Realocate (software operates from R	4	0	5,527,555:80:0		
2468	0	143	14:49:06.866	20DW6A	6MCPY	NIMS	NIMS,1000,LLM1A,7300,77F7	4	0	5,527,556:01:0		
2469	0	143	14:49:16.866	20DW6B	6MCPY	NIMS	NIMS,1598,LLM1A,77F8,781D	4	0	5,527,556:16:0		
2470	0	143	14:49:26.866	20DW5C	37IRT		Instrument Reset (goes into POR state)	4	0	5,527,556:31:0		
2471	0	143	14:49:46.866	20DW5D	37MNL		Memory Normal (software operates from ROM)	260	4	0	5,527,556:61:0	
2472	0	143	14:49:59.533	20DW4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	5,527,556:80:0	
2473	0	143	14:50:10.933	28NNGLOBAL01-			-----STOP-----	2R0	4	0	:	:

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
2474	0	143	14:50:10.933	28JNGLOBAL01-165DZ4A	7SCAN	-----START----- NORM,97.374,28.3	Check S/P Position	2R0	4	0	:	:
2475	0	143	14:51:06.866	165DZ4A	37IST	0,2,0,OFF,0,1,0	Gain State 2	2R0	4	0	5,527,557:90:0	
2476	0	143	14:52:03.533	125DW4A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,527,558:84:0	
2477	0	143	14:52:03.533	125DW11A	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,527,558:84:0	
2478	0	143	14:52:03.533	125DW	NIMSINIT	GS	##### GROUP START CSMOS	2R0	4	0	5,527,561:77:0	
2479	0	143	14:55:00.866	117DZ	CSMOS	7.6	Fixed Map, Grating Start Position =06	2R7	4	6	5,527,561:84:0	
2480	0	143	14:55:05.533	127DW4A	NIMSTAB	GS	%%-%-% GROUP START TAB	2R7	4	6	5,527,561:84:0	
2481	0	143	14:55:05.533	127DW	NIMSTAB	GS	%%-%-% GROUP START TAB	2R7	4	6	5,527,561:84:0	
2482	0	143	14:55:06.200	127DW4B	37ETB	04,C4,1B,FF,FF	Loads wavelenght edit table	2R7	4	6	5,527,561:85:0	
2483	0	143	14:55:10.200	117DZ105A106A4A	7STRP	0,065092,0,0,0,0	Slew =-0.76	2R7	4	6	5,527,562:00:0	
2484	0	143	14:55:14.200	127DW11A	NIMSTAB	GE	%%-%-% GROUP END TAB	2R7	4	6	5,527,562:06:0	
2485	0	143	14:56:40.200	117DZ105A106A4B	7STRP	-0,065594,0,0,0,0	Slew =12.01	2R7	4	6	5,527,563:44:0	
2486	0	143	14:56:50.200	117DZ105A106A4C	7STRP	0,065092,0,0,0,0	Slew =-0.76	2R7	4	6	5,527,563:59:0	
2487	0	143	14:58:20.200	117DZ105A106A4D	7STRP	-0,065594,0,0,0,0	Slew =12.01	2R7	4	6	5,527,565:12:0	
2488	0	143	14:58:30.200	117DZ105A106A4E	7STRP	0,065092,0,0,0,0	Slew =-0.76	2R7	4	6	5,527,565:27:0	
2489	0	143	15:00:00.200	117DZ105A106A4F	7STRP	-0,065594,0,0,0,0	Slew =12.01	2R7	4	6	5,527,566:71:0	
2490	0	143	15:00:10.200	117DZ105A106A4G	7STRP	0,065092,0,0,0,0	Slew =-0.76	2R7	4	6	5,527,566:86:0	
2491	0	143	15:01:40.200	117DZ105A106A4H	7STRP	-0,065594,0,0,0,0	Slew =12.01	2R7	4	6	5,527,568:39:0	
2492	0	143	15:01:50.200	117DZ105A106A4I	7STRP	0,065092,0,0,0,0	Slew =-0.76	2R7	4	6	5,527,568:54:0	
2493	0	143	15:03:20.200	117DZ105A106A4J	7STRP	-0,065594,0,0,0,0	Slew =12.01	2R7	4	6	5,527,570:07:0	
2494	0	143	15:03:30.200	117DZ105A106A4K	7STRP	0,065092,0,0,0,0	Slew =-0.76	2R7	4	6	5,527,570:22:0	
2495	0	143	15:05:00.200	117DZ105A106A4L	7STRP	-0,065594,0,0,0,0	Slew =12.01	2R7	4	6	5,527,571:66:0	
2496	0	143	15:05:10.200	117DZ105A106A4M	7STRP	0,065092,0,0,0,0	Slew =-0.76	2R7	4	6	5,527,571:81:0	
2497	0	143	15:06:39.533		DMS:	:*US-RUNUP	P7, TRACK *1, *FWD, TIC 3425.10 +/- 6	2R7	4	6	5,527,573:33:0	
2498	0	143	15:06:39.533	175DW422A6A	6DMSC	R28:0	DMS Control Tape runup 28.8kbp	2R7	4	6	5,527,573:33:0	
2499	0	143	15:06:40.200	117DZ105A106A4N	7STRP	-0,065594,0,0,0,0	Slew =12.01	2R7	4	6	5,527,573:34:0	
2500	0	143	15:06:40.933		DMS:	:*US AT SP	P7, TRACK 1, FWD, TIC *3425.22 +/- 6	2R7	4	6	5,527,573:35:1	
2501	0	143	15:06:46.200		DMS:	:*US RD	P7, TRACK 1, FWD, TIC *3426.46 +/- 6	2R7	4	6	5,527,573:43:0	
2502	0	143	15:06:47.400		DMS:	:*RUNUP	R28, TRACK *2, *REV, TIC *3426.52 +/- 6	2R7	4	6	5,527,573:44:8	
2503	0	143	15:06:50.200	117DZ105A106A4O	7STRP	0,065092,0,0,0,0	Slew =-0.76	2R7	4	6	5,527,573:49:0	
2504	0	143	15:06:50.866	175DW176A6A	6TMREC	MPW	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R7	4	6	5,527,573:50:0	
2505	0	143	15:06:51.400		DMS:	:*RECORD	R28, TRACK 2, REV, TIC *3425.02 +/- 6	2R7	4	6	5,527,573:50:8	
2506	0	143	15:06:51.400		DMS:	:*AT SPD	R28, TRACK 2, REV, TIC 3425.02 +/- 6	2R7	4	6	5,527,573:50:8	
2507	0	143	15:06:51.533	28JNGLOBAL01-	NIMPBK	301DR	JUPITER GLOBAL OBSERVATION	2R7	4	6	:	:
2508	0	143	15:08:20.200	117DZ105A106A4P	7STRP	-0,065594,0,0,0,0	Slew =12.01	2R7	4	6	5,527,575:02:0	
2509	0	143	15:08:30.200	117DZ105A106A4Q	7STRP	0,065092,0,0,0,0	Slew =-0.76	2R7	4	6	5,527,575:17:0	
2510	0	143	15:10:00.200	117DZ105A106A4R	7STRP	-0,065594,0,0,0,0	Slew =12.01	2R7	4	6	5,527,576:61:0	
2511	0	143	15:10:10.200	117DZ105A106A4S	7STRP	0,065092,0,0,0,0	Slew =-0.76	2R7	4	6	5,527,576:76:0	
2512	0	143	15:11:36.000	28JNGLOBAL01-	NIMPBK	301EV	JUPITER GLOBAL OBSERVATION	2R7	4	6	:	:
2513	0	143	15:11:40.200	117DZ105A106A4T	7STRP	-0,065594,0,0,0,0	Slew =12.01	2R7	4	6	5,527,578:29:0	
2514	0	143	15:11:50.200	117DZ105A106A4U	7STRP	0,065092,0,0,0,0	Slew =-0.76	2R7	4	6	5,527,578:44:0	
2515	0	143	15:11:51.533	28JNGLOBAL01-	DESEL	300DR	JUPITER GLOBAL OBSERVATION	2R7	4	6	:	:
2516	0	143	15:11:51.533	28JNGLOBAL01-	DESEL	300EV	JUPITER GLOBAL OBSERVATION	2R7	4	6	:	:
2517	0	143	15:11:54.200		DMS:	:*RUNDOWN	R28, TRACK 2, REV, TIC *3158.88 +/- 6	2R7	4	6	5,527,578:50:0	
2518	0	143	15:11:54.200	175DW422A6B	6DMSC	RDY:0	DMS Control Tape stop	2R7	4	6	5,527,578:50:0	
2519	0	143	15:11:55.400		DMS:	:*READY	RDY, TRACK 2, REV, TIC *3158.58 +/- 6	2R7	4	6	5,527,578:51:8	
2520	0	143	15:13:20.200	117DZ105A106A4V	7STRP	-0,065594,0,0,0,0	Slew =12.01	2R7	4	6	5,527,579:88:0	
2521	0	143	15:13:30.200	117DZ105A106A4W	7STRP	0,065092,0,0,0,0	Slew =-0.76	2R7	4	6	5,527,580:12:0	
2522	0	143	15:14:26.933	28JNGLOBAL01-		-----STOP-----		2R7	4	6	:	:
2523	0	143	15:14:26.933	28NAURORA05-		-----START-----		2R7	4	6	:	:
2524	0	143	15:15:00.200	117DZ11A	CSMOS	GE	***** GROUP END CSMOS	2R7	4	6	5,527,581:56:0	
2525	0	143	15:15:08.866	20DX5A	37PL		Program Load (halts microprocessor & unwri	4	6	5,527,581:69:0		
2526	0	143	15:15:16.200	20DX5B	37MRL		Memory Realocate (software operates from R	4	6	5,527,581:80:0		
2527	0	143	15:15:24.200	20DX6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7	4	6	5,527,582:01:0		
2528	0	143	15:15:34.200	20DX6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D	4	6	5,527,582:16:0		

Line	YR	DOY	SCET - GMT	PSID	Command Parameters	Description	GCM	GO	GS	RIM	MFI
2529	0	143	15:15:44.200	20DX5C	37IRT	Instrument Reset (goes into POR state)		4	0	5,527,582:31:0	
2530	0	143	15:16:04.200	20DX5D	37MN	Memory Normal (software operates from ROM)	260	4	0	5,527,582:61:0	
2531	0	143	15:16:16.866	20DX4A	37IST 1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	5,527,582:80:0	
2532	0	143	15:16:23.533	165KA4A	NORM,97.099999,2	Check S/P Position	2R0	4	0	5,527,582:90:0	
2533	0	143	15:16:28.266	28NNAURORA05-	-----STOP-----		2R0	4	0	::	
2534	0	143	15:16:28.266	28JNAURORA05	-----START-----		2R0	4	0	::	
2535	0	143	15:17:20.200	125DX11A	NIMSINIT GE	##### GROUP END INIT	2R0	4	0	5,527,583:84:0	
2536	0	143	15:17:20.200	125DX	NIMSINIT GS	##### GROUP START INIT	2R0	4	0	5,527,583:84:0	
2537	0	143	15:17:20.200	125DX4A	37IST 0,2,0,OFF,0,1,0	Gain State 2	2R0	4	0	5,527,583:84:0	
2538	0	143	15:18:20.866	127DX	NIMSTAB GS	%%%%% GROUP START TAB	2R0	4	0	5,527,584:84:0	
2539	0	143	15:18:20.866	127DX4A	37IOP 3,0	Long Map, Grating Start Position =00	2R3	4	0	5,527,584:84:0	
2540	0	143	15:18:21.533	127DX4B	37ETB 04,C4,35,FF,FF	Loads wavelength edit table	2R3	4	0	5,527,584:85:0	
2541	0	143	15:18:29.533	127DX11A	NIMSTAB GE	%%%%% GROUP END TAB	2R3	4	0	5,527,585:06:0	
2542	0	143	15:20:17.533	117KA	CSMOS GS	**** GROUP START CSMOS	2R3	4	0	5,527,586:77:0	
2543	0	143	15:20:26.866	117KA105A106A4A	7STRP 0.036016,0,0,0,0	Slew =-0.06	2R3	4	0	5,527,587:00:0	
2544	0	143	15:21:12.866	175DX422A6A	6DMSC R28,0	DMS Control Tape runup 28.8kbp	2R3	4	0	5,527,587:69:0	
2545	0	143	15:21:12.866		DMS: :*US-RUNUP	P7, TRACK *1, *FWD, TIC 3158.58 +/- 6	2R3	4	0	5,527,587:69:0	
2546	0	143	15:21:14.266		DMS: :*US AT SP	P7, TRACK 1, FWD, TIC *3158.70 +/- 6	2R3	4	0	5,527,587:71:1	
2547	0	143	15:21:19.533		DMS: :*US RD	P7, TRACK 1, FWD, TIC *3159.94 +/- 6	2R3	4	0	5,527,587:79:0	
2548	0	143	15:21:20.733		DMS: :*RUNUP	R28, TRACK *2, *REV, TIC *3160.00 +/- 6	2R3	4	0	5,527,587:80:8	
2549	0	143	15:21:24.200	175DX176A6A	6TMREC MPW	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	5,527,587:86:0	
2550	0	143	15:21:24.733		DMS: :*RECORD	R28, TRACK 2, REV, TIC *3158.50 +/- 6	2R3	4	0	5,527,587:86:8	
2551	0	143	15:21:24.733		DMS: :*AT SPD	R28, TRACK 2, REV, TIC 3158.50 +/- 6	2R3	4	0	5,527,587:86:8	
2552	0	143	15:21:24.866	28JNAURORA05-	NIMPBK 301DX	JUPITER AURORA OBSERVATION	2R3	4	0	::	
2553	0	143	15:21:24.866	28JNAURORA05-	NIMPBK 301DU	JUPITER AURORA OBSERVATION	2R3	4	0	::	
2554	0	143	15:21:34.866	28JNAURORA05-	DESEL 300DU	JUPITER AURORA OBSERVATION	2R3	4	0	::	
2555	0	143	15:24:04.866	28JNAURORA05-	DESEL 300DX	JUPITER AURORA OBSERVATION	2R3	4	0	::	
2556	0	143	15:24:07.533	175DX422A6B	6DMSC RDY,0	DMS Control Tape stop	2R3	4	0	5,527,590:58:0	
2557	0	143	15:24:07.533		DMS: :*RUNDOWN	R28, TRACK 2, REV, TIC *3015.41 +/- 6	2R3	4	0	5,527,590:58:0	
2558	0	143	15:24:08.733		DMS: :*READY	RDY, TRACK 2, REV, TIC *3015.11 +/- 6	2R3	4	0	5,527,590:59:8	
2559	0	143	15:30:33.533	117KA11A	CSMOS GE	**** GROUP END CSMOS	2R3	4	0	5,527,597:00:0	
2560	0	143	15:30:37.600	28JNAURORA05	-----STOP-----		2R3	4	0	::	
2561	0	143	16:05:00.266	28NNAURORA06-	-----START-----		2R3	4	0	::	
2562	0	143	16:05:42.200	20DY5A	37PL	Program Load (halts microprocessor & unwri	4	0	5,527,631:69:0		
2563	0	143	16:05:49.533	20DY5B	37MRL	Memory Realocate (software operates from R	4	0	5,527,631:80:0		
2564	0	143	16:05:56.200	165KB4A	7SCAN NORM,97.844,27.7	Check S/P Position	4	0	5,527,631:90:0		
2565	0	143	16:05:57.533	20DY6A	6MCOPY NIMS	NIMS,1000,LLM1A,7300,77F7	4	0	5,527,632:01:0		
2566	0	143	16:06:07.533	20DY6B	6MCOPY NIMS	NIMS,1598,LLM1A,77F8,781D	4	0	5,527,632:16:0		
2567	0	143	16:06:17.533	20DY5C	37IRT	Instrument Reset (goes into POR state)	4	0	5,527,632:31:0		
2568	0	143	16:06:24.200	20DY5D	37MN	Memory Normal (software operates from ROM)	260	4	0	5,527,632:41:0	
2569	0	143	16:06:50.200	20DY4A	37IST 1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	5,527,632:80:0	
2570	0	143	16:07:01.600	28NNAURORA06-	-----STOP-----		2R0	4	0	::	
2571	0	143	16:07:01.600	28JNAURORA06	-----START-----		2R0	4	0	::	
2572	0	143	16:07:53.533	125DY4A	37IST 0,2,0,OFF,0,1,0	Gain State 2	2R0	4	0	5,527,633:84:0	
2573	0	143	16:07:53.533	125DY	NIMSINIT GS	##### GROUP START INIT	2R0	4	0	5,527,633:84:0	
2574	0	143	16:07:53.533	125DY11A	NIMSINIT GE	##### GROUP END INIT	2R0	4	0	5,527,633:84:0	
2575	0	143	16:09:50.200	117KB	CSMOS GS	**** GROUP START CSMOS	2R0	4	0	5,527,635:77:0	
2576	0	143	16:09:54.866	127DY4A	37IOP 3,0	Long Map, Grating Start Position =00	2R3	4	0	5,527,635:84:0	
2577	0	143	16:09:54.866	127DY	NIMSTAB GS	%%%%% GROUP START TAB	2R3	4	0	5,527,635:84:0	
2578	0	143	16:09:55.533	127DY4B	37ETB 04,C4,35,FF,FF	Loads wavelength edit table	2R3	4	0	5,527,635:85:0	
2579	0	143	16:09:59.533	117KB105A106A4A	7STRP 0.036016,0,0,0,0	Slew =-0.06	2R3	4	0	5,527,636:00:0	
2580	0	143	16:10:03.533	127DY11A	NIMSTAB GE	%%%%% GROUP END TAB	2R3	4	0	5,527,636:06:0	
2581	0	143	16:10:45.533		DMS: :*US-RUNUP	P7, TRACK *1, *FWD, TIC 3015.11 +/- 6	2R3	4	0	5,527,636:69:0	
2582	0	143	16:10:45.533	175DY422A6A	6DMSC R28,0	DMS Control Tape runup 28.8kbp	2R3	4	0	5,527,636:69:0	
2583	0	143	16:10:46.933		DMS: :*US AT SP	P7, TRACK 1, FWD, TIC *3015.23 +/- 6	2R3	4	0	5,527,636:71:1	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
2584	0	143	16:10:52.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3016.47 +/- 6	2R3	4	0	5.527,636:79:0	
2585	0	143	16:10:53.400		DMS:	: *RUNUP	R28, TRACK *2, *REV, TIC *3016.53 +/- 6	2R3	4	0	5.527,636:80:8	
2586	0	143	16:10:56.866	175DY176A6A	6TMREC	MPW	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	5.527,636:86:0	
2587	0	143	16:10:57.400		DMS:	: *AT_SPD	R28, TRACK 2, REV, TIC 3015.03 +/- 6	2R3	4	0	5.527,636:86:8	
2588	0	143	16:10:57.400		DMS:	: *RECORD	R28, TRACK 2, REV, TIC *3015.03 +/- 6	2R3	4	0	5.527,636:86:8	
2589	0	143	16:10:57.533	28JNAURORA06-	NIMPBK	301DY	JUPITER AURORA OBSERVATION	2R3	4	0	:	:
2590	0	143	16:13:34.866	28JNAURORA06-	DESEL	300DY	JUPITER AURORA OBSERVATION	2R3	4	0	:	:
2591	0	143	16:13:37.533		DMS:	: *RUNDOWN	R28, TRACK 2, REV, TIC *2874.28 +/- 6	2R3	4	0	5.527,639:54:0	
2592	0	143	16:13:37.533	175DY422A6B	6DMSC	RDY.0	DMS Control Tape stop	2R3	4	0	5.527,639:54:0	
2593	0	143	16:13:38.733		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2873.98 +/- 6	2R3	4	0	5.527,639:55:8	
2594	0	143	16:20:06.200	117KB11A	CSMOS	GE	***** GROUP END CSMOS	2R3	4	0	5.527,646:00:0	
2595	0	143	16:20:10.266	28JNAURORA06	-----STOP-----			2R3	4	0	:	:
2596	0	143	16:33:14.200	165IM4A	7SCAN	NORM,98.28,24,75	Check S/P Position	2R3	4	0	5.527,658:90:0	
2597	0	143	16:35:11.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2873.98 +/- 6	2R3	4	0	5.527,660:84:0	
2598	0	143	16:35:11.533	175IM422A6A	6DMSC	R115:0	DMS Control Tape runup 115.2kb	2R3	4	0	5.527,660:84:0	
2599	0	143	16:35:12.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2874.10 +/- 6	2R3	4	0	5.527,660:86:1	
2600	0	143	16:35:13.533	118IM	SMOS	GS		2R3	4	0	5.527,660:87:0	
2601	0	143	16:35:14.866	165IM4B	7VECT		Inert vect update UTC	2R3	4	0	5.527,660:89:0	
2602	0	143	16:35:18.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2875.34 +/- 6	2R3	4	0	5.527,661:03:0	
2603	0	143	16:35:19.400		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *2875.40 +/- 6	2R3	4	0	5.527,661:04:8	
2604	0	143	16:35:22.866	175IM176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	5.527,661:10:0	
2605	0	143	16:35:23.400		DMS:	: *RECORD	R115, TRACK 2, REV, TIC *2869.10 +/- 6	2R3	4	0	5.527,661:10:8	
2606	0	143	16:35:23.400		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 2869.10 +/- 7	2R3	4	0	5.527,661:10:8	
2607	0	143	16:35:23.533	28JNFEATR01+	NIMPBK	301FM	JUPITER FTRAK SSI RIDEALONG	2R3	4	0	:	:
2608	0	143	16:35:23.533	118IM110A11A4A	7STRP	0.001:0.00731,18	Slew = 2.01	2R3	4	0	5.527,661:11:0	
2609	0	143	16:36:24.200	118IM110A11A4B	7STRP	-0.00831,-0.0073	Slew = 2.01	2R3	4	0	5.527,662:11:0	
2610	0	143	16:37:24.866	118IM110A11A4C	7STRP	0.001:0.00731,18	Slew = 2.01	2R3	4	0	5.527,663:11:0	
2611	0	143	16:37:41.533	28JNFEATR01+	NIMPBK	301EE	JUPITER FTRAK SSI RIDEALONG	2R3	4	0	:	:
2612	0	143	16:37:59.533	28JNFEATR01+	DESEL	300EE	JUPITER FTRAK SSI RIDEALONG	2R3	4	0	:	:
2613	0	143	16:38:22.266	28NNGLOBAL02-	-----START-----			2R3	4	0	:	:
2614	0	143	16:38:25.533	118IM11A	SMOS	GE		2R3	4	0	5.527,664:11:0	
2615	0	143	16:39:02.866	28JNFEATR01+	DESEL	300FM	JUPITER FTRAK SSI RIDEALONG	4	0	:	:	
2616	0	143	16:39:04.200	20DZ5A	37PL		Program Load (halts microprocessor & unwri	4	0	5.527,664:69:0		
2617	0	143	16:39:11.533	20DZ5B	37MRL		Memory Realocate (software operates from R	4	0	5.527,664:80:0		
2618	0	143	16:39:19.533	20DZ6A	6MCOPI	NIMS	NIMS,1000,LLM1A,7300,77F7	4	0	5.527,665:01:0		
2619	0	143	16:39:20.200		DMS:	: *RUNDOWN	R115, TRACK 2, REV, TIC *2036.60 +/- 7	4	0	5.527,665:02:0		
2620	0	143	16:39:20.200	175IM422A6B	6DMSC	RDY.0	DMS Control Tape stop	4	0	5.527,665:02:0		
2621	0	143	16:39:21.400		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2035.60 +/- 7	4	0	5.527,665:03:8		
2622	0	143	16:39:29.533	20DZ6B	6MCOPI	NIMS	NIMS,1598,LLM1A,77F8,781D	4	0	5.527,665:16:0		
2623	0	143	16:39:39.533	20DZ5C	37IRT		Instrument Reset (goes into POR state)	4	0	5.527,665:31:0		
2624	0	143	16:39:59.533	20DZ5D	37MN		Memory Normal (software operates from ROM)	260	4	0	5.527,665:61:0	
2625	0	143	16:40:12.200	20DZ4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	5.527,665:80:0	
2626	0	143	16:40:23.600	28NNGLOBAL02-	-----STOP-----			2R0	4	0	:	:
2627	0	143	16:41:19.533	165KC4A	7SCAN	NORM,99.03,28,13	Check S/P Position	2R0	4	0	5.527,666:90:0	
2628	0	143	16:41:24.266	28JNGLOBAL02-	-----START-----			2R0	4	0	:	:
2629	0	143	16:42:16.200	125DZ	NIMSNIT	GS	##### GROUP START INIT	2R0	4	0	5.527,667:84:0	
2630	0	143	16:42:16.200	125DZ4A	37IST	0,2,0,OFF,0,1,0	Gain State 2	2R0	4	0	5.527,667:84:0	
2631	0	143	16:42:16.200	125DZ11A	NIMSNIT	GE	##### GROUP END INIT	2R0	4	0	5.527,667:84:0	
2632	0	143	16:45:13.533	117KC	CSMOS	GS	***** GROUP START CSMOS	2R0	4	0	5.527,670:77:0	
2633	0	143	16:45:18.200	127DZ	NIMSTAB	GS	%%%% GROUP START TAB	2R0	4	0	5.527,670:84:0	
2634	0	143	16:45:18.200	127DZ4A	37IOP	7,6	Fixed Map, Grating Start Position =06	2R7	4	6	5.527,670:84:0	
2635	0	143	16:45:18.866	127DZ4B	37ETB	04,C4,1B,FF,FF	Loads wavelength edit table	2R7	4	6	5.527,670:85:0	
2636	0	143	16:45:22.866	117KC105A106A4A	7STRP	0.065092,0,0,0,0	Slew = 0.76	2R7	4	6	5.527,671:00:0	
2637	0	143	16:45:26.866	127DZ11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R7	4	6	5.527,671:06:0	
2638	0	143	16:46:52.866	117KC105A106A4B	7STRP	-0.065594,0.0075	Slew = 12.01	2R7	4	6	5.527,672:44:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
2639	0	143	16:47:02.866	117KC105A106A4C	7STRP	0.065092,0,0,0,0	Slew =0.76	2R7	4	6	5.527,672:59.0	
2640	0	143	16:48:32.866	117KC105A106A4D	7STRP	-0.065594,0.0075	Slew =12.01	2R7	4	6	5.527,674:12.0	
2641	0	143	16:48:42.866	117KC105A106A4E	7STRP	0.065092,0,0,0,0	Slew =0.76	2R7	4	6	5.527,674:27.0	
2642	0	143	16:50:12.866	117KC105A106A4F	7STRP	-0.065594,0.0075	Slew =12.01	2R7	4	6	5.527,675:71.0	
2643	0	143	16:50:22.866	117KC105A106A4G	7STRP	0.065092,0,0,0,0	Slew =0.76	2R7	4	6	5.527,675:86.0	
2644	0	143	16:51:52.866	117KC105A106A4H	7STRP	-0.065594,0.0075	Slew =12.01	2R7	4	6	5.527,677:39.0	
2645	0	143	16:52:02.866	117KC105A106A4I	7STRP	0.065092,0,0,0,0	Slew =0.76	2R7	4	6	5.527,677:54.0	
2646	0	143	16:53:32.866	117KC105A106A4J	7STRP	-0.065594,0.0075	Slew =12.01	2R7	4	6	5.527,679:07.0	
2647	0	143	16:53:42.866	117KC105A106A4K	7STRP	0.065092,0,0,0,0	Slew =0.76	2R7	4	6	5.527,679:22.0	
2648	0	143	16:55:12.866	117KC105A106A4L	7STRP	-0.065594,0.0075	Slew =12.01	2R7	4	6	5.527,680:66.0	
2649	0	143	16:55:22.866	117KC105A106A4M	7STRP	0.065092,0,0,0,0	Slew =0.76	2R7	4	6	5.527,680:81.0	
2650	0	143	16:56:52.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2035.60 +/- 7	2R7	4	6	5.527,682:33.0	
2651	0	143	16:56:52.200	175DZ422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R7	4	6	5.527,682:33.0	
2652	0	143	16:56:52.866	117KC105A106A4N	7STRP	-0.065594,0.0075	Slew =12.01	2R7	4	6	5.527,682:34.0	
2653	0	143	16:56:53.600		DMS:	: *US AT SP	P7, TRACK 1, FWD, TIC *2035.72 +/- 7	2R7	4	6	5.527,682:35.1	
2654	0	143	16:56:58.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2036.95 +/- 7	2R7	4	6	5.527,682:43.0	
2655	0	143	16:57:00.066		DMS:	: *RUNUP	R28, TRACK *2, *REV, TIC *2037.01 +/- 7	2R7	4	6	5.527,682:44.8	
2656	0	143	16:57:02.866	117KC105A106A4O	7STRP	0.065092,0,0,0,0	Slew =0.76	2R7	4	6	5.527,682:49.0	
2657	0	143	16:57:03.533	175DZ176A6A	6TMREC	MPW	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R7	4	6	5.527,682:50.0	
2658	0	143	16:57:04.066		DMS:	: *AT SPD	R28, TRACK 2, REV, TIC 2035.51 +/- 7	2R7	4	6	5.527,682:50.8	
2659	0	143	16:57:04.066		DMS:	: *RECORD	R28, TRACK 2, REV, TIC *2035.51 +/- 7	2R7	4	6	5.527,682:50.8	
2660	0	143	16:57:04.200	28JNGLOBAL02-	NIMPBK	301DZ	JUPITER GLOBAL OBSERVATION	2R7	4	6	: :	
2661	0	143	16:58:32.866	117KC105A106A4P	7STRP	-0.065594,0.0075	Slew =12.01	2R7	4	6	5.527,684:02.0	
2662	0	143	16:58:42.866	117KC105A106A4Q	7STRP	0.065092,0,0,0,0	Slew =0.76	2R7	4	6	5.527,684:17.0	
2663	0	143	17:00:12.866	117KC105A106A4R	7STRP	-0.065594,0.0075	Slew =12.01	2R7	4	6	5.527,685:61.0	
2664	0	143	17:00:22.866	117KC105A106A4S	7STRP	0.065092,0,0,0,0	Slew =0.76	2R7	4	6	5.527,685:76.0	
2665	0	143	17:01:52.866	117KC105A106A4T	7STRP	-0.065594,0.0075	Slew =12.01	2R7	4	6	5.527,687:29.0	
2666	0	143	17:02:02.866	117KC105A106A4U	7STRP	0.065092,0,0,0,0	Slew =0.76	2R7	4	6	5.527,687:44.0	
2667	0	143	17:02:44.200	28JNGLOBAL02-	DESEL	300DZ	JUPITER GLOBAL OBSERVATION	2R7	4	6	: :	
2668	0	143	17:02:46.866	175DZ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	6	5.527,688:19.0	
2669	0	143	17:02:46.866		DMS:	: *RUNDOWN	R28, TRACK 2, REV, TIC *1734.22 +/- 7	2R7	4	6	5.527,688:19.0	
2670	0	143	17:02:48.066		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1733.92 +/- 7	2R7	4	6	5.527,688:20.8	
2671	0	143	17:03:32.866	117KC105A106A4V	7STRP	-0.065594,0.0075	Slew =12.01	2R7	4	6	5.527,688:88.0	
2672	0	143	17:03:38.933	28JNGLOBAL02-		-----STOP-----		2R7	4	6	: :	
2673	0	143	17:03:38.933	28NNAURORA07-		-----START-----		2R7	4	6	: :	
2674	0	143	17:03:42.866	117KC105A106A4W	7STRP	0.065092,0,0,0,0	Slew =0.76	2R7	4	6	5.527,689:12.0	
2675	0	143	17:04:20.866	20EA5A	37PL		Program Load (halts microprocessor & unwri	2R7	4	6	5.527,689:69.0	
2676	0	143	17:04:28.200	20EA5B	37MRL		Memory Realocate (software operates from R	2R7	4	6	5.527,689:80.0	
2677	0	143	17:04:36.200	20EA6A	6MCOPI	NIMS	NIMS,1000,LLM1A,7300,77F7	2R7	4	6	5.527,690:01.0	
2678	0	143	17:04:46.200	20EA6B	6MCOPI	NIMS	NIMS,1598,LLM1A,77F8,781D	2R7	4	6	5.527,690:16.0	
2679	0	143	17:04:56.200	20EA5C	37IRT		Instrument Reset (goes into POR state)	2R7	4	0	5.527,690:31.0	
2680	0	143	17:05:02.866	20EA5D	37MN		Memory Normal (software operates from ROW)	260	4	0	5.527,690:41.0	
2681	0	143	17:05:12.866	117KC11A	CSMOS	GE	**** GROUP END CSMOS	260	4	0	5.527,690:56.0	
2682	0	143	17:05:28.866	20EA4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	5.527,690:80.0	
2683	0	143	17:05:35.533	165KD4A	7SCAN	NORM:98.704,27.7	Check S/P Position	2R0	4	0	5.527,690:90.0	
2684	0	143	17:05:40.266	28NNAURORA07-		-----STOP-----		2R0	4	0	: :	
2685	0	143	17:05:40.266	28JNAURORA07		-----START-----		2R0	4	0	: :	
2686	0	143	17:06:32.200	125EA4A	37IST	0,2,0,OFF,0,1,0	Gain State 2	2R0	4	0	5.527,691:84.0	
2687	0	143	17:06:32.200	125EA	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5.527,691:84.0	
2688	0	143	17:06:32.200	125EA11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5.527,691:84.0	
2689	0	143	17:08:33.533	127EA4A	37IOP	3,0	Long Map, Grating Start Position =00	2R3	4	0	5.527,693:84.0	
2690	0	143	17:08:33.533	127EA	NIMSTAB	GS	%%%% GROUP START TAB	2R3	4	0	5.527,693:84.0	
2691	0	143	17:08:34.200	127EA4B	37ETB	04,C4,35,FF,FF	Loads wavelength edit table	2R3	4	0	5.527,693:85.0	
2692	0	143	17:08:42.200	127EA11A	NIMSTAB	GE	%%%% GROUP END TAB	2R3	4	0	5.527,694:06.0	
2693	0	143	17:09:24.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1733.92 +/- 7	2R3	4	0	5.527,694:69.0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
2694	0	143	17:09:24.200	175EA422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R3	4	0	5.527,694:69:0	
2695	0	143	17:09:25.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1734.04 +/- 7	2R3	4	0	5.527,694:71:1	
2696	0	143	17:09:29.533	117KD	CSMOS	GS	***** GROUP START CSMOS	2R3	4	0	5.527,694:77:0	
2697	0	143	17:09:30.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1735.28 +/- 7	2R3	4	0	5.527,694:79:0	
2698	0	143	17:09:32.066		DMS:	: *RUNUP	R28, TRACK *2, *REV, TIC *1735.34 +/- 7	2R3	4	0	5.527,694:80:8	
2699	0	143	17:09:35.533	175EA176A6A	6TMREC	MPW	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	5.527,694:86:0	
2700	0	143	17:09:36.066		DMS:	: *RECORD	R28, TRACK 2, REV, TIC *1733.84 +/- 7	2R3	4	0	5.527,694:86:8	
2701	0	143	17:09:36.066		DMS:	: *AT_SPD	R28, TRACK 2, REV, TIC 1733.84 +/- 7	2R3	4	0	5.527,694:86:8	
2702	0	143	17:09:36.200	28JNAURORA07-	NIMPBK	301EA	JUPITER AURORA OBSERVATION	2R3	4	0	:	:
2703	0	143	17:09:38.866	117KD105A106A4A	7STRP	0.036016,0.0,0.0	Slew =-0.06	2R3	4	0	5.527,695:00:0	
2704	0	143	17:11:03.333	28JNAURORA07-	NIMPBK	301EW	JUPITER AURORA OBSERVATION	2R3	4	0	:	:
2705	0	143	17:11:13.400	28JNAURORA07-	DESELC	300EW	JUPITER AURORA OBSERVATION	2R3	4	0	:	:
2706	0	143	17:12:13.533	28JNAURORA07-	DESELC	300EA	JUPITER AURORA OBSERVATION	2R3	4	0	:	:
2707	0	143	17:12:16.200	175EA422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5.527,697:54:0	
2708	0	143	17:12:16.200		DMS:	: *RUNDOWN	R28, TRACK 2, REV, TIC *1593.10 +/- 7	2R3	4	0	5.527,697:54:0	
2709	0	143	17:12:17.400		DMS:	: *READY	R28, TRACK 2, REV, TIC *1592.80 +/- 7	2R3	4	0	5.527,697:55:8	
2710	0	143	17:19:45.533	117KD11A	CSMOS	GE	***** GROUP END CSMOS	2R3	4	0	5.527,705:00:0	
2711	0	143	17:19:49.600	28JNAURORA07		-----STOP-----		2R3	4	0	:	:
2712	0	143	17:26:49.533	165IN4A	7SCAN	NORM,97.679999,2	Check S/P Position	2R3	4	0	5.527,711:90:0	
2713	0	143	17:28:46.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1592.80 +/- 7	2R3	4	0	5.527,713:84:0	
2714	0	143	17:28:46.866	175IN422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	5.527,713:84:0	
2715	0	143	17:28:48.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1592.92 +/- 7	2R3	4	0	5.527,713:86:1	
2716	0	143	17:28:48.866	118IN	SMOS	GS	Inert vect update UTC	2R3	4	0	5.527,713:87:0	
2717	0	143	17:28:50.200	165IN4B	7VECT			2R3	4	0	5.527,713:89:0	
2718	0	143	17:28:53.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1594.15 +/- 7	2R3	4	0	5.527,714:03:0	
2719	0	143	17:28:54.733		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *1594.21 +/- 7	2R3	4	0	5.527,714:04:8	
2720	0	143	17:28:58.200	175IN176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	5.527,714:10:0	
2721	0	143	17:28:58.733		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 1587.91 +/- 7	2R3	4	0	5.527,714:10:8	
2722	0	143	17:28:58.733		DMS:	: *RECORD	R115, TRACK 2, REV, TIC *1587.91 +/- 7	2R3	4	0	5.527,714:10:8	
2723	0	143	17:28:58.866	118IN110A11A4A	7STRP	0.0,0.00731,182,	Slew =-3.71	2R3	4	0	5.527,714:11:0	
2724	0	143	17:28:58.866	28JNFEATR02+	NIMPBK	301FN	JUPITER FTRAK SSI RIDEALONG	2R3	4	0	:	:
2725	0	143	17:29:59.533	118IN110A11A4B	7STRP	-0.00731,-0.0073	Slew = 4.01	2R3	4	0	5.527,715:11:0	
2726	0	143	17:30:50.866	28JNFEATR02+	NIMPBK	301EF	JUPITER FTRAK SSI RIDEALONG	2R3	4	0	:	:
2727	0	143	17:31:00.200	118IN110A11A4C	7STRP	0.0,0.00731,182,	Slew =-3.71	2R3	4	0	5.527,716:11:0	
2728	0	143	17:31:06.866	28JNFEATR02+	DESELC	300EF	JUPITER FTRAK SSI RIDEALONG	2R3	4	0	:	:
2729	0	143	17:32:00.866	118IN110A11A4D	7STRP	-0.00731,-0.0073	Slew =-4.01	2R3	4	0	5.527,717:11:0	
2730	0	143	17:33:01.533	118IN110A11A4E	7STRP	0.0,0.00731,182,	Slew =-3.71	2R3	4	0	5.527,718:11:0	
2731	0	143	17:34:02.200	118IN11A	SMOS	GE		2R3	4	0	5.527,719:11:0	
2732	0	143	17:34:54.866	28JNFEATR02+	DESELC	300FN	JUPITER FTRAK SSI RIDEALONG	2R3	4	0	:	:
2733	0	143	17:34:56.200	175IN422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5.527,720:01:0	
2734	0	143	17:34:56.200		DMS:	: *RUNDOWN	R115, TRACK 2, REV, TIC *331.19 +/- 7	2R3	4	0	5.527,720:01:0	
2735	0	143	17:34:57.400		DMS:	: *READY	RDY, TRACK 2, REV, TIC *330.19 +/- 7	2R3	4	0	5.527,720:02:8	
2736	0	143	17:39:24.866		DMS:	: READY	RDY, TRACK *3, *FWD, TIC 330.19 +/- 7	2R3	4	0	5.527,724:40:0	
2737	0	143	17:39:24.866	465KC6A	6DMSC	RDY,3	DMS Control Tape stop	2R3	4	0	5.527,724:40:0	
2738	0	143	18:04:18.933	28NAURORA08-		-----START-----		2R3	4	0	:	:
2739	0	143	18:05:00.866	20EB5A	37PL		Program Load (halts microprocessor & unwri	4	0	5.527,749:69:0		
2740	0	143	18:05:08.200	20EB5B	37MRL		Memory Realocate (software operates from R	4	0	5.527,749:80:0		
2741	0	143	18:05:16.200	20EB6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7	4	0	5.527,750:01:0		
2742	0	143	18:05:26.200	20EB6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D	4	0	5.527,750:16:0		
2743	0	143	18:05:36.200	20EB5C	37IRT		Instrument Reset (goes into POR state)	4	0	5.527,750:31:0		
2744	0	143	18:05:42.866	20EB5D	37MN		Memory Normal (software operates from ROM)	260	4	0	5.527,750:41:0	
2745	0	143	18:06:08.866	20EB4A	37IST	1.2,0.OFF,0.0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	5.527,750:80:0	
2746	0	143	18:06:15.533	165KE4A	7SCAN	NORM,99.542999,2	Check S/P Position	2R0	4	0	5.527,750:90:0	
2747	0	143	18:06:20.266	28JNAURORA08		-----START-----		2R0	4	0	:	:
2748	0	143	18:06:20.266	28NAURORA08-		-----STOP-----		2R0	4	0	:	:

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
2749	0	143	18:07:12.200	125EB4A	37IST	0,2,0,OFF,0,1,0	Gain State 2	2R0	4	0	5,527,751:84:0	
2750	0	143	18:07:12.200	125EB	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,527,751:84:0	
2751	0	143	18:07:12.200	125EB11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,527,751:84:0	
2752	0	143	18:09:13.533	127EB4A	37IOP	3,0	Long Map, Grating Start Position =00	2R3	4	0	5,527,753:84:0	
2753	0	143	18:09:13.533	127EB	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	5,527,753:84:0	
2754	0	143	18:09:14.200	127EB4B	37ETB	04,C4,35,FF,FF	Loads wavelength edit table	2R3	4	0	5,527,753:85:0	
2755	0	143	18:09:22.200	127EB11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	5,527,754:06:0	
2756	0	143	18:10:09.533	117KE	CSMOS	GS	**** GROUP START CSMOS	2R3	4	0	5,527,754:77:0	
2757	0	143	18:10:18.866	117KE105A106A4A	7STRP	0,036016,0,0,0,0	Slw = 0.06	2R3	4	0	5,527,755:00:0	
2758	0	143	18:11:06.200	175EB422A6A	DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 330.19 +/- 7	2R3	4	0	5,527,755:71:0	
2759	0	143	18:11:06.200	175EB422A6A	6DMSC	R28,3	DMS Control	2R3	4	0	5,527,755:71:0	
2760	0	143	18:11:12.866	175EB176A6A	DMS:	: *RUNUP	R28, TRACK *3, FWD, TIC 330.19 +/- 7	2R3	4	0	5,527,755:81:0	
2761	0	143	18:11:16.200	175EB176A6A	6TMREC	MPW	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	5,527,755:86:0	
2762	0	143	18:11:16.866	175EB176A6A	DMS:	: *AT_SPD	R28, TRACK 3, FWD, TIC 331.69 +/- 7	2R3	4	0	5,527,755:87:0	
2763	0	143	18:11:16.866	175EB176A6A	DMS:	: *RECORD	R28, TRACK 3, FWD, TIC * 331.69 +/- 7	2R3	4	0	5,527,755:87:0	
2764	0	143	18:11:16.866	28JNAURORA08-	NIMPBK	301EH	JUPITER AURORA OBSERVATION	2R3	4	0	:	
2765	0	143	18:12:35.533	28JNAURORA08-	NIMPBK	301EH	JUPITER AURORA OBSERVATION	2R3	4	0	:	
2766	0	143	18:12:51.533	28JNAURORA08-	DESEL	300EH	JUPITER AURORA OBSERVATION	2R3	4	0	:	
2767	0	143	18:13:52.200	28JNAURORA08-	DESEL	300EZ	JUPITER AURORA OBSERVATION	2R3	4	0	:	
2768	0	143	18:13:52.866	175EB422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,527,758:48:0	
2769	0	143	18:13:52.866	175EB422A6B	DMS:	: *RUNDOWN	R28, TRACK 3, FWD, TIC * 468.80 +/- 7	2R3	4	0	5,527,758:48:0	
2770	0	143	18:13:54.066	175EB422A6B	DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 469.10 +/- 7	2R3	4	0	5,527,758:49:8	
2771	0	143	18:20:25.533	117KE11A	CSMOS	GE	**** GROUP END CSMOS	2R3	4	0	5,527,765:00:0	
2772	0	143	18:20:29.600	28NNGLOBAL03-	-----START-----			2R3	4	0	:	
2773	0	143	18:20:29.600	28JNAURORA08	-----STOP-----			2R3	4	0	:	
2774	0	143	18:20:45.533	165IO4A	7SCAN	NORM,96.999,24.8	Check S/P Position	2R3	4	0	5,527,765:30:0	
2775	0	143	18:21:11.533	20EC5A	37PL		Program Load (halts microprocessor & unwri	4	0	5,527,765:69:0		
2776	0	143	18:21:18.866	20EC5B	37MRL		Memory Realocate (software operates from R	4	0	5,527,765:80:0		
2777	0	143	18:21:26.866	20EC6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7	4	0	5,527,766:01:0		
2778	0	143	18:21:36.866	20EC6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D	4	0	5,527,766:16:0		
2779	0	143	18:21:46.866	20EC5C	37IRT		Instrument Reset (goes into POR state)	4	0	5,527,766:31:0		
2780	0	143	18:22:06.866	20EC5D	37MN		Memory Normal (software operates from ROM)	260	4	0	5,527,766:61:0	
2781	0	143	18:22:19.533	20EC4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	5,527,766:80:0	
2782	0	143	18:22:23.533	175IO422A6A	6DMSC	R115,3	DMS Control	2R0	4	0	5,527,766:86:0	
2783	0	143	18:22:23.533	175IO422A6A	DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 469.10 +/- 7	2R0	4	0	5,527,766:86:0	
2784	0	143	18:22:24.200	118IO	SMOS	GS	Inert vect update UTC	2R0	4	0	5,527,766:87:0	
2785	0	143	18:22:25.533	165IO4B	7VECT			2R0	4	0	5,527,766:89:0	
2786	0	143	18:22:30.200	165IO4B	DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 469.10 +/- 7	2R0	4	0	5,527,767:05:0	
2787	0	143	18:22:30.933	28NNGLOBAL03-	-----STOP-----			2R0	4	0	:	
2788	0	143	18:22:30.933	28JNGLOBAL03-	-----START-----			2R0	4	0	:	
2789	0	143	18:22:33.533	175IO176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	2R0	4	0	5,527,767:10:0	
2790	0	143	18:22:34.200	175IO176A6A	DMS:	: *RECORD	R115, TRACK 3, FWD, TIC * 475.40 +/- 7	2R0	4	0	5,527,767:11:0	
2791	0	143	18:22:34.200	28JNFEATRK03+	NIMPBK	301FO	JUPITER FTRAK SSI RIDEALONG	2R0	4	0	:	
2792	0	143	18:22:34.200	118IO110A111A4A	7STRP	-0.0036,0.00731,	Slw = 3.71	2R0	4	0	5,527,767:11:0	
2793	0	143	18:22:34.200	118IO110A111A4A	DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 475.40 +/- 7	2R0	4	0	5,527,767:11:0	
2794	0	143	18:23:34.866	118IO110A111A4B	7STRP	-0.00371,-0.0073	Slw = 4.01	2R0	4	0	5,527,768:11:0	
2795	0	143	18:24:00.200	28JNFEATRK03+	NIMPBK	301EI	JUPITER FTRAK SSI RIDEALONG	2R0	4	0	:	
2796	0	143	18:24:23.533	125EC11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,527,768:84:0	
2797	0	143	18:24:23.533	125EC	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,527,768:84:0	
2798	0	143	18:24:23.533	125EC4A	37IST	0,2,0,OFF,0,1,0	Gain State 2	2R0	4	0	5,527,768:84:0	
2799	0	143	18:24:35.533	118IO110A111A4C	7STRP	-0.0036,0.00731,	Slw = 3.71	2R0	4	0	5,527,769:11:0	
2800	0	143	18:25:24.200	127EC	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	5,527,769:84:0	
2801	0	143	18:25:24.200	127EC4A	37IOP	7,6	Fixed Map, Grating Start Position =06	2R7	4	6	5,527,769:84:0	
2802	0	143	18:25:24.866	127EC4B	37ETB	04,C4,1B,FF,FF	Loads wavelength edit table	2R7	4	6	5,527,769:85:0	
2803	0	143	18:25:32.866	127EC11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R7	4	6	5,527,770:06:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
2804	0	143	18:25:36.200	118IO110A111A4D	7STRP	-0.00371,-0.0073	Slew =-4.01	2R7	4	6	5,527,770:11.0	
2805	0	143	18:25:36.200	28JNFEATR03+	DESEL	300EI	JUPITER FTRAK SSI RIDEALONG	2R7	4	6	:	
2806	0	143	18:26:36.866	118IO110A111A4E	7STRP	-0.0036,0.00731,	Slew =-3.71	2R7	4	6	5,527,771:11.0	
2807	0	143	18:27:37.533	118IO11A	SMOS	GE		2R7	4	6	5,527,772:11.0	
2808	0	143	18:28:30.200	28JNFEATR03+	DESEL	300FO	JUPITER FTRAK SSI RIDEALONG	2R7	4	6	:	
2809	0	143	18:28:31.533	175IO422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	6	5,527,773:01.0	
2810	0	143	18:28:31.533		DMS:	: *RUNDOWN	R115, TRACK 3, FWD, TIC *1731.65 +/- 7	2R7	4	6	5,527,773:01.0	
2811	0	143	18:28:32.733		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1732.65 +/- 7	2R7	4	6	5,527,773:02.8	
2812	0	143	18:28:44.200	165KF4A	7SCAN	NORM,100.704,27.	Check S/P Position	2R7	4	6	5,527,773:20.0	
2813	0	143	18:29:22.200	117KF	CSMOS	GS	**** GROUP START CSMOS	2R7	4	6	5,527,773:77.0	
2814	0	143	18:29:31.533	117KF105A106A4A	7STRP	0.072125,0.0,0.0	Slew =-0.76	2R7	4	6	5,527,774:00.0	
2815	0	143	18:31:10.866	117KF105A106A4B	7STRP	-0.072627,0.0075	Slew =-12.01	2R7	4	6	5,527,775:58.0	
2816	0	143	18:31:20.866	117KF105A106A4C	7STRP	0.072125,0.0,0.0	Slew =-0.76	2R7	4	6	5,527,775:73.0	
2817	0	143	18:33:00.200	117KF105A106A4D	7STRP	-0.072627,0.0075	Slew =12.01	2R7	4	6	5,527,777:40.0	
2818	0	143	18:33:10.200	117KF105A106A4E	7STRP	0.072125,0.0,0.0	Slew =-0.76	2R7	4	6	5,527,777:55.0	
2819	0	143	18:34:49.533	117KF105A106A4F	7STRP	-0.072627,0.0075	Slew =12.01	2R7	4	6	5,527,779:22.0	
2820	0	143	18:34:59.533	117KF105A106A4G	7STRP	0.072125,0.0,0.0	Slew =-0.76	2R7	4	6	5,527,779:37.0	
2821	0	143	18:36:38.866	117KF105A106A4H	7STRP	-0.072627,0.0075	Slew =12.01	2R7	4	6	5,527,781:04.0	
2822	0	143	18:36:48.866	117KF105A106A4I	7STRP	0.072125,0.0,0.0	Slew =-0.76	2R7	4	6	5,527,781:19.0	
2823	0	143	18:38:28.200	117KF105A106A4J	7STRP	-0.072627,0.0075	Slew =12.01	2R7	4	6	5,527,782:77.0	
2824	0	143	18:38:38.200	117KF105A106A4K	7STRP	0.072125,0.0,0.0	Slew =-0.76	2R7	4	6	5,527,783:01.0	
2825	0	143	18:40:17.533	117KF105A106A4L	7STRP	-0.072627,0.0075	Slew =12.01	2R7	4	6	5,527,784:59.0	
2826	0	143	18:40:27.533	117KF105A106A4M	7STRP	0.072125,0.0,0.0	Slew =-0.76	2R7	4	6	5,527,784:74.0	
2827	0	143	18:42:04.866		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1732.65 +/- 7	2R7	4	6	5,527,786:38.0	
2828	0	143	18:42:04.866	175EC422A6A	6DMSC	R28,3	DMS Control	2R7	4	6	5,527,786:38.0	
2829	0	143	18:42:06.866	117KF105A106A4N	7STRP	-0.072627,0.0075	Slew =12.01	2R7	4	6	5,527,786:41.0	
2830	0	143	18:42:11.533		DMS:	: *RUNUP	R28, TRACK *3, FWD, TIC 1732.65 +/- 7	2R7	4	6	5,527,786:48.0	
2831	0	143	18:42:14.866	175EC176A6A	6TMREC	MPW	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R7	4	6	5,527,786:53.0	
2832	0	143	18:42:15.533		DMS:	: *RECORD	R28, TRACK 3, FWD, TIC *1734.15 +/- 7	2R7	4	6	5,527,786:54.0	
2833	0	143	18:42:15.533		DMS:	: *AT SPD	R28, TRACK 3, FWD, TIC 1734.15 +/- 7	2R7	4	6	5,527,786:54.0	
2834	0	143	18:42:15.533	28JNGLOBAL03-	NIMPBK	301EC	JUPITER GLOBAL OBSERVATION	2R7	4	6	:	
2835	0	143	18:42:16.866	117KF105A106A4O	7STRP	0.072125,0.0,0.0	Slew =-0.76	2R7	4	6	5,527,786:56.0	
2836	0	143	18:43:56.200	117KF105A106A4P	7STRP	-0.072627,0.0075	Slew =12.01	2R7	4	6	5,527,788:23.0	
2837	0	143	18:44:06.200	117KF105A106A4Q	7STRP	0.072125,0.0,0.0	Slew =-0.76	2R7	4	6	5,527,788:38.0	
2838	0	143	18:45:45.533	117KF105A106A4R	7STRP	-0.072627,0.0075	Slew =12.01	2R7	4	6	5,527,790:05.0	
2839	0	143	18:45:55.533	117KF105A106A4S	7STRP	0.072125,0.0,0.0	Slew =-0.76	2R7	4	6	5,527,790:20.0	
2840	0	143	18:47:32.866	28JNGLOBAL03-	DESEL	300EC	JUPITER GLOBAL OBSERVATION	2R7	4	6	:	
2841	0	143	18:47:33.533	175EC422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	6	5,527,791:76.0	
2842	0	143	18:47:33.533		DMS:	: *RUNDOWN	R28, TRACK 3, FWD, TIC *2013.64 +/- 7	2R7	4	6	5,527,791:76.0	
2843	0	143	18:47:34.733		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2013.94 +/- 7	2R7	4	6	5,527,791:77.8	
2844	0	143	18:47:34.866	117KF105A106A4T	7STRP	-0.072627,0.0075	Slew =12.01	2R7	4	6	5,527,791:78.0	
2845	0	143	18:47:44.866	117KF105A106A4U	7STRP	0.072125,0.0,0.0	Slew =-0.76	2R7	4	6	5,527,792:02.0	
2846	0	143	18:49:24.200	117KF11A	CSMOS	GE	**** GROUP END CSMOS	2R7	4	6	5,527,793:60.0	
2847	0	143	18:49:48.933	28JNGLOBAL03-		-----STOP-----		2R7	4	6	:	
2848	0	143	18:51:46.200		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2013.94 +/- 7	2R7	4	6	5,527,796:00.0	
2849	0	143	18:51:46.200	411JN6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R7	4	6	5,527,796:00.0	
2850	0	143	18:51:52.866		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2013.94 +/- 7	2R7	4	6	5,527,796:10.0	
2851	0	143	18:51:54.266		DMS:	: *AT SPD	R7, TRACK 3, FWD, TIC 2014.06 +/- 7	2R7	4	6	5,527,796:12.1	
2852	0	143	18:51:54.266		DMS:	: *RECORD	R7, TRACK 3, FWD, TIC *2014.06 +/- 7	2R7	4	6	5,527,796:12.1	
2853	0	143	18:51:56.200	411JN6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R7	4	6	5,527,796:15.0	
2854	0	143	18:53:57.533	411JN6C	6TMREC	NRC	NO RECORD Record Mode Change	2R7	4	6	5,527,798:15.0	
2855	0	143	18:53:58.200	411JN6D	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	6	5,527,798:16.0	
2856	0	143	18:53:58.200		DMS:	: *RUNDOWN	R7, TRACK 3, FWD, TIC *2043.11 +/- 7	2R7	4	6	5,527,798:16.0	
2857	0	143	18:53:59.400		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2043.17 +/- 7	2R7	4	6	5,527,798:17.8	
2858	0	143	19:25:12.266	28NNAURORA09-		-----START-----		2R7	4	6	:	

Line	YR	DOY	SCET - GMT	PSID	Command Parameters	Description	GCM	GO	GS	RIM	MFI
2859	0	143	19:25:54.200	20ED5A	37PL	Program Load (halts microprocessor & unwri		4	6	5,527,829:69:0	
2860	0	143	19:26:01.533	20ED5B	37MRL	Memory Realocate (software operates from R		4	6	5,527,829:80:0	
2861	0	143	19:26:08.200	165KG4A	7SCAN	CHECK S/P Position		4	6	5,527,829:90:0	
2862	0	143	19:26:09.533	20ED6A	6MCPY	NIMS,1000,LLM1A,7300,77F7		4	6	5,527,830:01:0	
2863	0	143	19:26:19.533	20ED6B	6MCPY	NIMS,1598,LLM1A,77F8,781D		4	6	5,527,830:16:0	
2864	0	143	19:26:29.533	20ED5C	37IRT	Instrument Reset (goes into POR state)		4	0	5,527,830:31:0	
2865	0	143	19:26:36.200	20ED5D	37MNI	Memory Normal (software operates from ROM)		260	4	0	5,527,830:41:0
2866	0	143	19:27:02.200	20ED4A	37IST	Chopper ON, Sync, Chopper (Ref)		2R0	4	0	5,527,830:80:0
2867	0	143	19:27:13.600	28NNAURORA09-		-----STOP-----		2R0	4	0	0
2868	0	143	19:27:13.600	28JNAURORA09		-----START-----		2R0	4	0	0
2869	0	143	19:28:05.533	125ED4A	37IST	Gain State 2		2R0	4	0	5,527,831:84:0
2870	0	143	19:28:05.533	125ED11A	NIMSINIT	##### GROUP END INIT		2R0	4	0	5,527,831:84:0
2871	0	143	19:28:05.533	125ED	NIMSINIT	##### GROUP START INIT		2R0	4	0	5,527,831:84:0
2872	0	143	19:30:02.200	117KG	CSMOS	***** GROUP START CSMOS		2R0	4	0	5,527,833:77:0
2873	0	143	19:30:06.866	127ED	NIMSTAB	%%%%%%%%% GROUP START TAB		2R0	4	0	5,527,833:84:0
2874	0	143	19:30:06.866	127ED4A	37IOP	Long Map, Grating Start Position =00		2R3	4	0	5,527,833:84:0
2875	0	143	19:30:07.533	127ED4B	37ETB	Loads wavelength edit table		2R3	4	0	5,527,833:85:0
2876	0	143	19:30:11.533	117KG105A106A4A	7STRP	Stew =,0.06		2R3	4	0	5,527,834:00:0
2877	0	143	19:30:15.533	127ED11A	NIMSTAB	%%%%%%%%% GROUP END TAB		2R3	4	0	5,527,834:06:0
2878	0	143	19:30:58.866	175ED422A6A	DMS:	: *E4-DELAY		2R3	4	0	5,527,834:71:0
2879	0	143	19:30:58.866	175ED422A6A	6DMSC	R28,3		2R3	4	0	5,527,834:71:0
2880	0	143	19:31:05.533		DMS:	: *RUNUP		2R3	4	0	5,527,834:81:0
2881	0	143	19:31:08.866	175ED176A6A	6TMREC	R28, TRACK *3, FWD, TIC 2043.17 +/- 7		2R3	4	0	5,527,834:81:0
2882	0	143	19:31:09.533		DMS:	: *RECORD		2R3	4	0	5,527,834:86:0
2883	0	143	19:31:09.533	28JNAURORA09-	NIMPBK	JUPITER AURORA OBSERVATION		2R3	4	0	5,527,834:87:0
2884	0	143	19:31:09.533		DMS:	: *AT SPD		2R3	4	0	0
2885	0	143	19:33:44.866	28JNAURORA09-	DESEL	JUPITER AURORA OBSERVATION		2R3	4	0	0
2886	0	143	19:33:45.533		DMS:	: *RUNDOWN		2R3	4	0	5,527,837:48:0
2887	0	143	19:33:45.533	175ED422A6B	6DMSC	DMS Control Tape stop		2R3	4	0	5,527,837:48:0
2888	0	143	19:33:46.733		DMS:	: *READY		2R3	4	0	5,527,837:49:8
2889	0	143	19:40:18.200	117KG11A	CSMOS	***** GROUP END CSMOS		2R3	4	0	5,527,844:00:0
2890	0	143	19:40:22.266	28JNAURORA09		-----STOP-----		2R3	4	0	0
2891	0	143	20:24:51.600	28NNAURORA10-		-----START-----		2R3	4	0	0
2892	0	143	20:25:33.533	20EG5A	37PL	Program Load (halts microprocessor & unwri		4	0	5,527,888:69:0	
2893	0	143	20:25:40.866	20EG5B	37MRL	Memory Realocate (software operates from R		4	0	5,527,888:80:0	
2894	0	143	20:25:47.533	165KI4A	7SCAN	CHECK S/P Position		4	0	5,527,888:90:0	
2895	0	143	20:25:48.866	20EG6A	NORM,101,342999,	NIMS,1000,LLM1A,7300,77F7		4	0	5,527,889:01:0	
2896	0	143	20:25:58.866	20EG6B	6MCPY	NIMS,1598,LLM1A,77F8,781D		4	0	5,527,889:16:0	
2897	0	143	20:26:08.866	20EG5C	37IRT	Instrument Reset (goes into POR state)		4	0	5,527,889:31:0	
2898	0	143	20:26:15.533	20EG5D	37MNI	Memory Normal (software operates from ROM)		260	4	0	5,527,889:41:0
2899	0	143	20:26:41.533	20EG4A	37IST	Chopper ON, Sync, Chopper (Ref)		2R0	4	0	5,527,889:80:0
2900	0	143	20:26:52.933	28JNAURORA10		-----START-----		2R0	4	0	0
2901	0	143	20:26:52.933	28NNAURORA10-		-----STOP-----		2R0	4	0	0
2902	0	143	20:27:44.866	125EG11A	NIMSINIT	##### GROUP END INIT		2R0	4	0	5,527,890:84:0
2903	0	143	20:27:44.866	125EG	NIMSINIT	##### GROUP START INIT		2R0	4	0	5,527,890:84:0
2904	0	143	20:27:44.866	125EG4A	37IST	Gain State 2		2R0	4	0	5,527,890:84:0
2905	0	143	20:29:41.533	117KI	CSMOS	***** GROUP START CSMOS		2R0	4	0	5,527,892:77:0
2906	0	143	20:29:46.200	127EG4A	37IOP	Long Map, Grating Start Position =00		2R3	4	0	5,527,892:84:0
2907	0	143	20:29:46.200	127EG	NIMSTAB	%%%%%%%%% GROUP START TAB		2R3	4	0	5,527,892:84:0
2908	0	143	20:29:46.866	127EG4B	37ETB	Loads wavelength edit table		2R3	4	0	5,527,892:85:0
2909	0	143	20:29:50.866	117KI105A106A4A	7STRP	Stew =,0.06		2R3	4	0	5,527,893:00:0
2910	0	143	20:29:54.866	127EG11A	NIMSTAB	%%%%%%%%% GROUP END TAB		2R3	4	0	5,527,893:06:0
2911	0	143	20:30:38.200		DMS:	: *E4-DELAY		2R3	4	0	5,527,893:71:0
2912	0	143	20:30:38.200	175EG422A6A	6DMSC	R28,3		2R3	4	0	5,527,893:71:0
2913	0	143	20:30:44.866		DMS:	: *RUNUP		2R3	4	0	5,527,893:81:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
2914	0	143	20:30:48.200	175EG176A6A	6TMREC	MPW	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	5,527,893:86:0	
2915	0	143	20:30:48.866	28JNAURORA10-	NIMPBK	301EG	JUPITER AURORA OBSERVATION	2R3	4	0	:	:
2916	0	143	20:30:48.866		DMS:	: *RECORD	R28, TRACK 3, FWD, TIC *2183.58 +/- 7	2R3	4	0	5,527,893:87:0	
2917	0	143	20:30:48.866		DMS:	: *AT_SPD	R28, TRACK 3, FWD, TIC 2183.58 +/- 7	2R3	4	0	5,527,893:87:0	
2918	0	143	20:30:58.000	28JNAURORA10-	NIMPBK	301EX	JUPITER AURORA OBSERVATION	2R3	4	0	:	:
2919	0	143	20:31:07.666	28JNAURORA10-	DESEL	300EX	JUPITER AURORA OBSERVATION	2R3	4	0	:	:
2920	0	143	20:33:24.200	28JNAURORA10-	DESEL	300EG	JUPITER AURORA OBSERVATION	2R3	4	0	:	:
2921	0	143	20:33:24.866		DMS:	: *RUNDOWN	R28, TRACK 3, FWD, TIC *2320.69 +/- 7	2R3	4	0	5,527,896:48:0	
2922	0	143	20:33:24.866	175EG422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,527,896:48:0	
2923	0	143	20:33:26.066		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2320.99 +/- 7	2R3	4	0	5,527,896:49:8	
2924	0	143	20:39:57.533	117K111A	CSMOS	GE	***** GROUP END CSMOS	2R3	4	0	5,527,903:00:0	
2925	0	143	20:40:01.600	28JNAURORA10		-----STOP-----		2R3	4	0	:	:
2926	0	143	23:50:02.133	165IP4A	7SCAN	NORM,114,216999,	Check S/P Position	2R3	4	0	5,528,090:90:0	
2927	0	143	23:51:56.133	118IP	SMOS	GS		2R3	4	0	5,528,092:79:0	
2928	0	143	23:52:02.800	165IP4B	7VECT		Inert vect update UTC	2R3	4	0	5,528,092:89:0	
2929	0	143	23:52:04.133		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2320.99 +/- 7	2R3	4	0	5,528,093:00:0	
2930	0	143	23:52:04.133	175IP422A6A	6DMSC	R403.3	DMS Control	2R3	4	0	5,528,093:00:0	
2931	0	143	23:52:06.133	118IP110A111A4A	7STRP	-0.0035,0.0,0.26,0	Slew =,1.76	2R3	4	0	5,528,093:03:0	
2932	0	143	23:52:10.800		DMS:	: *RUNUP	R403, TRACK *3, FWD, TIC 2320.99 +/- 7	2R3	4	0	5,528,093:10:0	
2933	0	143	23:52:14.133	175IP176A6A	6TMREC	IM4	403.2 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	5,528,093:15:0	
2934	0	143	23:52:14.666		DMS:	: *AT_SPD	R403, TRACK 3, FWD, TIC 2343.99 +/- 7	2R3	4	0	5,528,093:15:8	
2935	0	143	23:52:14.666		DMS:	: *RECORD	R403, TRACK 3, FWD, TIC *2343.99 +/- 7	2R3	4	0	5,528,093:15:8	
2936	0	143	23:52:14.800	118IP110A111A4B	7STRP	0.0035,0.0,0.0,0.0	Slew =,1.76	2R3	4	0	5,528,093:16:0	
2937	0	143	23:52:16.800	175IP422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,528,093:19:0	
2938	0	143	23:52:16.800		DMS:	: *RUNDOWN	R403, TRACK 3, FWD, TIC *2370.24 +/- 7	2R3	4	0	5,528,093:19:0	
2939	0	143	23:52:19.533		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2374.24 +/- 7	2R3	4	0	5,528,093:23:1	
2940	0	143	23:52:23.466	118IP110A111A4C	7STRP	-0.0035,0.0,0.26,0	Slew =,1.76	2R3	4	0	5,528,093:29:0	
2941	0	143	23:52:32.133	118IP110A111A4D	7STRP	0.0035,0.0,0.0,0.0	Slew =,1.76	2R3	4	0	5,528,093:42:0	
2942	0	143	23:52:38.800		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2374.24 +/- 7	2R3	4	0	5,528,093:52:0	
2943	0	143	23:52:38.800	175JP422A6A	6DMSC	R403.3	DMS Control	2R3	4	0	5,528,093:52:0	
2944	0	143	23:52:40.800	118IP110A111A4E	7STRP	-0.0035,0.0,0.26,0	Slew =,1.76	2R3	4	0	5,528,093:55:0	
2945	0	143	23:52:45.466		DMS:	: *RUNUP	R403, TRACK *3, FWD, TIC 2374.24 +/- 7	2R3	4	0	5,528,093:62:0	
2946	0	143	23:52:48.800	175JP176A6A	6TMREC	IM4	403.2 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	5,528,093:67:0	
2947	0	143	23:52:49.333		DMS:	: *RECORD	R403, TRACK 3, FWD, TIC *2397.24 +/- 7	2R3	4	0	5,528,093:67:8	
2948	0	143	23:52:49.333		DMS:	: *AT_SPD	R403, TRACK 3, FWD, TIC 2397.24 +/- 8	2R3	4	0	5,528,093:67:8	
2949	0	143	23:52:49.466	118IP11A	SMOS	GE		2R3	4	0	5,528,093:68:0	
2950	0	143	23:52:51.466	175JP422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,528,093:71:0	
2951	0	143	23:52:51.466		DMS:	: *RUNDOWN	R403, TRACK 3, FWD, TIC *2423.49 +/- 8	2R3	4	0	5,528,093:71:0	
2952	0	143	23:52:54.200		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2427.49 +/- 8	2R3	4	0	5,528,093:75:1	
2953	0	144	01:57:30.933	28NNEQBLGE06-		-----START-----		2R3	4	0	:	:
2954	0	144	01:57:37.466	20EH5A	37PL		Program Load (halts microprocessor & unwri	4	0	5,528,217:16:0		
2955	0	144	01:57:40.800	20EH5B	37MRL		Memory Reallocate (software operates from R	4	0	5,528,217:21:0		
2956	0	144	01:57:50.800	20EH6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7	4	0	5,528,217:36:0		
2957	0	144	01:58:00.800	20EH6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D	4	0	5,528,217:51:0		
2958	0	144	01:58:10.800	20EH5C	37IRT		Instrument Reset (goes into POR state)	4	0	5,528,217:66:0		
2959	0	144	01:58:14.133	20EH5D	37MTN		Memory Normal (software operates from ROM)	260	4	0	5,528,217:71:0	
2960	0	144	01:58:20.133	20EH4A	37IST	1.2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	5,528,217:80:0	
2961	0	144	01:58:27.466		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2427.49 +/- 8	2R0	4	0	5,528,218:00:0	
2962	0	144	01:58:27.466	411JO6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R0	4	0	5,528,218:00:0	
2963	0	144	01:58:34.133		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2427.49 +/- 8	2R0	4	0	5,528,218:10:0	
2964	0	144	01:58:35.533		DMS:	: *RECORD	R7, TRACK 3, FWD, TIC *2427.61 +/- 8	2R0	4	0	5,528,218:12:1	
2965	0	144	01:58:35.533		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2427.61 +/- 8	2R0	4	0	5,528,218:12:1	
2966	0	144	01:58:37.466	411JO6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R0	4	0	5,528,218:15:0	
2967	0	144	01:59:27.466	165KJ4A	7SCAN	NORM,106.03,24.9	Check S/P Position	2R0	4	0	5,528,218:90:0	
2968	0	144	01:59:32:266	28JNEQBLGE06		-----START-----		2R0	4	0	:	:

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
2969	0	144	01:59:32.266	28NNEQBLGE06-		-----STOP-----		2R0	4	0	:	:
2970	0	144	02:00:24.133	125EH	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,528,219:84:0	
2971	0	144	02:00:24.133	125EH4A	37IST	0,2,0,OFF,0,1,0	Gain State 2	2R0	4	0	5,528,219:84:0	
2972	0	144	02:00:38.800	411JO6C	6TMREC	NRC	NO RECORD Record Mode Change	2R0	4	0	5,528,220:15:0	
2973	0	144	02:00:39.466		DMS:	: *RUNDOWN	R7, TRACK 3, FWD, TIC *2456.66 +/- 8	2R0	4	0	5,528,220:16:0	
2974	0	144	02:00:39.466	411JO6D	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	5,528,220:16:0	
2975	0	144	02:00:40.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2456.72 +/- 8	2R0	4	0	5,528,220:17:8	
2976	0	144	02:01:24.800	125EH11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,528,220:84:0	
2977	0	144	02:01:24.800	125EH4B	37MB	1B,1B,0,0,0,0	Selects mirror (spatial) edit table	2R0	4	0	5,528,220:84:0	
2978	0	144	02:03:21.466	117KJ	CSMOS	GS	**** GROUP START CSMOS	2R0	4	0	5,528,222:77:0	
2979	0	144	02:03:26.133	127EH	NIMSTAB	GS	%%/%/% GROUP START TAB	2R0	4	0	5,528,222:84:0	
2980	0	144	02:03:26.133	127EH4A	37IOP	3,0	Long Map, Grating Start Position =00	2R3	4	0	5,528,222:84:0	
2981	0	144	02:03:26.800	127EH4B	37ETB	04,C4,35,FF,FF	Loads wavelength edit table	2R3	4	0	5,528,222:85:0	
2982	0	144	02:03:29.466	165KJ4B	7VECT		Inert vect update UTC	2R3	4	0	5,528,222:89:0	
2983	0	144	02:03:30.800	117KJ105A106A4A	7STRP	0.00885,0,0,0,0,	Slew =,0.03	2R3	4	0	5,528,223:00:0	
2984	0	144	02:03:34.800	127EH11A	NIMSTAB	GE	%%/%/% GROUP END TAB	2R3	4	0	5,528,223:06:0	
2985	0	144	02:03:34.800	432FA6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	2R3	4	0	5,528,223:06:0	
2986	0	144	02:08:30.800	117KJ11A	CSMOS	GE	**** GROUP END CSMOS	2R3	4	0	5,528,227:86:0	
2987	0	144	02:08:36.800	432FH6A	6RTDS2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	2R3	4	0	5,528,228:04:0	
2988	0	144	02:08:38.266	28JNEQBLGE06		-----STOP-----		2R3	4	0	:	:
2989	0	144	03:00:00.133	481UD4A	7VECT	BB1	Inert vect update UTC	2R3	4	0	5,528,278:79:0	
2990	0	144	03:57:50.266	28NNEQBLGE07-		-----START-----		2R3	4	0	:	:
2991	0	144	03:57:56.800	20E15A	37PL		Program Load (halts microprocessor & unwri	4	0	5,528,336:16:0		
2992	0	144	03:58:00.133	20E15B	37MRL		Memory Realocate (software operates from R	4	0	5,528,336:21:0		
2993	0	144	03:58:10.133	20E16A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7	4	0	5,528,336:36:0		
2994	0	144	03:58:20.133	20E16B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D	4	0	5,528,336:51:0		
2995	0	144	03:58:30.133	20E15C	37IRT		Instrument Reset (goes into POR state)	4	0	5,528,336:66:0		
2996	0	144	03:58:33.466	20E15D	37MN		Memory Normal (software operates from ROM)	260	4	0	5,528,336:71:0	
2997	0	144	03:58:39.466	20E14A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	5,528,336:80:0	
2998	0	144	03:59:46.800	165KK4A	7SCAN	NORM;107.110999,	Check S/P Position	2R0	4	0	5,528,337:90:0	
2999	0	144	03:59:51.600	28NNEQBLGE07-		-----STOP-----		2R0	4	0	:	:
3000	0	144	03:59:51.600	28JNEQBLGE07		-----START-----		2R0	4	0	:	:
3001	0	144	04:00:43.466	125EI	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,528,338:84:0	
3002	0	144	04:00:43.466	125E14A	37IST	0,2,0,OFF,0,1,0	Gain State 2	2R0	4	0	5,528,338:84:0	
3003	0	144	04:01:44.133	125E11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	5,528,339:84:0	
3004	0	144	04:01:44.133	125E14B	37MB	1B,1B,0,0,0,0	Selects mirror (spatial) edit table	2R0	4	0	5,528,339:84:0	
3005	0	144	04:03:40.800	117KK	CSMOS	GS	**** GROUP START CSMOS	2R0	4	0	5,528,341:77:0	
3006	0	144	04:03:45.466	127E14A	37IOP	3,0	Long Map, Grating Start Position =00	2R3	4	0	5,528,341:84:0	
3007	0	144	04:03:45.466	127E1	NIMSTAB	GS	%%/%/% GROUP START TAB	2R3	4	0	5,528,341:84:0	
3008	0	144	04:03:46.133	127E14B	37ETB	04,C4,35,FF,FF	Loads wavelength edit table	2R3	4	0	5,528,341:85:0	
3009	0	144	04:03:48.800	165KK4B	7VECT		Inert vect update UTC	2R3	4	0	5,528,341:89:0	
3010	0	144	04:03:50.133	117KK105A106A4A	7STRP	0.00885,0,0,0,0,	Slew =,0.03	2R3	4	0	5,528,342:00:0	
3011	0	144	04:03:54.133	127E11A	NIMSTAB	GE	%%/%/% GROUP END TAB	2R3	4	0	5,528,342:06:0	
3012	0	144	04:03:54.133	432FB6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	2R3	4	0	5,528,342:06:0	
3013	0	144	04:08:50.133	117KK11A	CSMOS	GE	**** GROUP END CSMOS	2R3	4	0	5,528,346:86:0	
3014	0	144	04:08:56.133	432FI6A	6RTDS2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	2R3	4	0	5,528,347:04:0	
3015	0	144	04:08:57.600	28JNEQBLGE07		-----STOP-----		2R3	4	0	:	:
3016	0	144	05:17:02.133	488AN6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,528,414:36:0	
3017	0	144	05:38:04.800	488AN6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,528,435:19:0	
3018	0	144	05:58:09.600	28NNEQBLGE08-		-----START-----		2R3	4	0	:	:
3019	0	144	05:58:16.133	20EJ5A	37PL		Program Load (halts microprocessor & unwri	4	0	5,528,455:16:0		
3020	0	144	05:58:19.466	20EJ5B	37MRL		Memory Realocate (software operates from R	4	0	5,528,455:21:0		
3021	0	144	05:58:29.466	20EJ6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7	4	0	5,528,455:36:0		
3022	0	144	05:58:39.466	20EJ6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D	4	0	5,528,455:51:0		
3023	0	144	05:58:49.466	20EJ5C	37IRT		Instrument Reset (goes into POR state)	4	0	5,528,455:66:0		

Line	YR	DOY	SCET - GMT	PSID	Command Parameters	Description	GCM	GO	GS	RIM	MFI
3024	0	144	05:58:52.800	20EJ5D	37MN	Memory Normal (software operates from ROM)	260	4	0	5,528,455:71:0	
3025	0	144	05:58:58.800	20EJ4A	37IST 1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	5,528,455:80:0	
3026	0	144	06:00:06.133	165KL4A	7SCAN NORM,108.113999,-----START-----	Check S/P Position	2R0	4	0	5,528,456:90:0	
3027	0	144	06:00:10.933	28JNEQBLGE08	-----STOP-----		2R0	4	0	:::	
3028	0	144	06:00:10.933	28NNEQBLGE08	-----STOP-----		2R0	4	0	:::	
3029	0	144	06:01:02.800	125EJ	NIMSINIT GS	##### GROUP START INIT	2R0	4	0	5,528,457:84:0	
3030	0	144	06:01:02.800	125EJ4A	37IST 0,2,0,OFF,0,1,0	Gain State 2	2R0	4	0	5,528,457:84:0	
3031	0	144	06:02:03.466	125EJ11A	NIMSINIT GE	##### GROUP END INIT	2R0	4	0	5,528,458:84:0	
3032	0	144	06:02:03.466	125EJ4B	37MB 1B,1B,0,0,0,0	Selects mirror (spatial) edit table	2R0	4	0	5,528,458:84:0	
3033	0	144	06:04:00.133	117KL	CSMOS GS	**** GROUP START CSMOS	2R0	4	0	5,528,460:77:0	
3034	0	144	06:04:04.800	127EJ	NIMSTAB GS	**** GROUP START TAB	2R0	4	0	5,528,460:84:0	
3035	0	144	06:04:04.800	127EJ4A	37IOP 3,0	Long Map, Grating Start Position =00	2R3	4	0	5,528,460:84:0	
3036	0	144	06:04:05.466	127EJ4B	37ETB 04,C4,35,FF,FF	Loads wavelength edit table	2R3	4	0	5,528,460:85:0	
3037	0	144	06:04:08.133	165KL4B	7VECT	Inert vect update UTC	2R3	4	0	5,528,460:89:0	
3038	0	144	06:04:09.466	117KL105A106A4A	7STRP 0,00885,0,0,0,0,	Slew =-0.03	2R3	4	0	5,528,461:00:0	
3039	0	144	06:04:13.466	432FC6A	6RTSL2 NIMSEL,AACNCG,RT	NIMS R/T SELECT	2R3	4	0	5,528,461:06:0	
3040	0	144	06:04:13.466	127EJ11A	NIMSTAB GE	%%%%%% GROUP END TAB	2R3	4	0	5,528,461:06:0	
3041	0	144	06:06:10.800	411JP6A	6DMSC R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,528,463:00:0	
3042	0	144	06:06:10.800		DMS: :*E4-DELAY	RDY, TRACK *1, FWD, TIC 2456.72 +/- 8	2R3	4	0	5,528,463:00:0	
3043	0	144	06:06:17.466		DMS: :*RUNUP	R7, TRACK *3, FWD, TIC 2456.72 +/- 8	2R3	4	0	5,528,463:10:0	
3044	0	144	06:06:18.866		DMS: :*RECORD	R7, TRACK 3, FWD, TIC *2456.84 +/- 8	2R3	4	0	5,528,463:12:1	
3045	0	144	06:06:18.866		DMS: :*AT SPD	R7, TRACK 3, FWD, TIC 2456.84 +/- 8	2R3	4	0	5,528,463:12:1	
3046	0	144	06:06:20.800	411JP6B	6TMREC BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,528,463:15:0	
3047	0	144	06:08:22.133	411JP6C	6TMREC NRC	NO RECORD Record Mode Change	2R3	4	0	5,528,465:15:0	
3048	0	144	06:08:22.800	411JP6D	6DMSC RDY,0	DMS Control Tape stop	2R3	4	0	5,528,465:16:0	
3049	0	144	06:08:22.800		DMS: :*RUNDOWN	R7, TRACK 3, FWD, TIC *2485.88 +/- 8	2R3	4	0	5,528,465:16:0	
3050	0	144	06:08:24.000		DMS: :*READY	RDY, TRACK 3, FWD, TIC *2485.94 +/- 8	2R3	4	0	5,528,465:17:8	
3051	0	144	06:09:09.466	117KL11A	CSMOS GE	**** GROUP END CSMOS	2R3	4	0	5,528,465:86:0	
3052	0	144	06:09:15.466	432FJ6A	6RTDS2 NIMDSL,AACNCG,RT	NIMS R/T DESELECT	2R3	4	0	5,528,466:04:0	
3053	0	144	06:09:16.933	28JNEQBLGE08	-----STOP-----		2R3	4	0	:::	
3054	0	144	07:00:00.133	480SI6A	6MROH 44,23E8,0,A2	read from LLM2A44,23E8,0,A2	2R3	4	0	5,528,516:21:0	
3055	0	144	07:06:40.133	480SI6B	6MROH 45,23E8,0,B2	read from LLM2B45,23E8,0,B2	2R3	4	0	5,528,522:75:0	
3056	0	144	07:25:28.800	488AN6C	6TMSED NORM,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,528,541:39:0	
3057	0	144	07:57:28.266	28NNEQBLGE09	-----STOP-----		2R3	4	0	:::	
3058	0	144	07:57:34.800	20EK5A	37PL	Program Load (halts microprocessor & unwri	4	0	5,528,573:16:0		
3059	0	144	07:57:38.133	20EK5B	37MRL	Memory Realocate (software operates from R	4	0	5,528,573:21:0		
3060	0	144	07:57:48.133	20EK6A	6MCOPY NIMS	NIMS,1000,LLM1A,7300,77F7	4	0	5,528,573:36:0		
3061	0	144	07:57:58.133	20EK6B	6MCOPY NIMS	NIMS,1598,LLM1A,77F8,781D	4	0	5,528,573:51:0		
3062	0	144	07:58:08.133	20EK5C	37IRT	Instrument Reset (goes into POR state)	4	0	5,528,573:66:0		
3063	0	144	07:58:11.466	20EK5D	37MN	Memory Normal (software operates from ROM)	260	4	0	5,528,573:71:0	
3064	0	144	07:58:17.466	20EK4A	37IST 1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	5,528,573:80:0	
3065	0	144	07:59:24.800	165KM4A	7SCAN NORM,109.08,24.6	Check S/P Position	2R0	4	0	5,528,574:90:0	
3066	0	144	07:59:29.600	28NNEQBLGE09	-----STOP-----		2R0	4	0	:::	
3067	0	144	07:59:29.600	28JNEQBLGE09	-----STOP-----		2R0	4	0	:::	
3068	0	144	08:00:21.466	125EK4A	37IST 0,2,0,OFF,0,1,0	Gain State 2	2R0	4	0	5,528,575:84:0	
3069	0	144	08:00:21.466	125EK	NIMSINIT GS	##### GROUP START INIT	2R0	4	0	5,528,575:84:0	
3070	0	144	08:01:22.133	125EK11A	NIMSINIT GE	##### GROUP END INIT	2R0	4	0	5,528,576:84:0	
3071	0	144	08:01:22.133	125EK4B	37MB 1B,1B,0,0,0,0	Selects mirror (spatial) edit table	2R0	4	0	5,528,576:84:0	
3072	0	144	08:03:18.800	117KM	CSMOS GS	**** GROUP START CSMOS	2R0	4	0	5,528,578:77:0	
3073	0	144	08:03:23.466	127EK	NIMSTAB GS	**** GROUP START TAB	2R0	4	0	5,528,578:84:0	
3074	0	144	08:03:23.466	127EK4A	37IOP 3,0	Long Map, Grating Start Position =00	2R3	4	0	5,528,578:84:0	
3075	0	144	08:03:24.133	127EK4B	37ETB 04,C4,35,FF,FF	Loads wavelength edit table	2R3	4	0	5,528,578:85:0	
3076	0	144	08:03:26.800	165KM4B	7VECT	Inert vect update UTC	2R3	4	0	5,528,578:89:0	
3077	0	144	08:03:28.133	117KM105A106A4A	7STRP 0,00885,0,0,0,0,	Slew =-0.03	2R3	4	0	5,528,579:00:0	
3078	0	144	08:03:32.133	432FE6A	6RTSL2 NIMSEL,AACNCG,RT	NIMS R/T SELECT	2R3	4	0	5,528,579:06:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
3079	0	144	08:03:32.133	127EK11A	NIMSTAB	GE	%%%GROUP END TAB	2R3	4	0	5,528,579:06:0	
3080	0	144	08:08:28.133	117KM11A	CSMOS	GE	****GROUP END CSMOS	2R3	4	0	5,528,583:86:0	
3081	0	144	08:08:34.133	432FK6A	6RTDS2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	2R3	4	0	5,528,584:04:0	
3082	0	144	08:08:35.600	28JNEQBLGE09		-----STOP-----		2R3	4	0	:	
3083	0	144	08:39:52.133	411KX6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,528,615:00:0	
3084	0	144	08:39:52.133		DMS:	:*E4-DELAY	RDY, TRACK *1, FWD, TIC 2485.94 +/- 8	2R3	4	0	5,528,615:00:0	
3085	0	144	08:39:58.800		DMS:	:*RUNUP	R7, TRACK *3, FWD, TIC 2485.94 +/- 8	2R3	4	0	5,528,615:10:0	
3086	0	144	08:40:00.200		DMS:	:*RECORD	R7, TRACK 3, FWD, TIC *2486.06 +/- 8	2R3	4	0	5,528,615:12:1	
3087	0	144	08:40:00.200		DMS:	:*AT_SPD	R7, TRACK 3, FWD, TIC 2486.06 +/- 8	2R3	4	0	5,528,615:12:1	
3088	0	144	08:40:02.133	411KX6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,528,615:15:0	
3089	0	144	08:42:03.466	411KX6C	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5,528,617:15:0	
3090	0	144	08:42:04.133	411KX6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,528,617:16:0	
3091	0	144	08:42:04.133		DMS:	:*RUNDOWN	R7, TRACK 3, FWD, TIC *2515.11 +/- 8	2R3	4	0	5,528,617:16:0	
3092	0	144	08:42:05.333		DMS:	:*READY	RDY, TRACK 3, FWD, TIC *2515.17 +/- 8	2R3	4	0	5,528,617:17:8	
3093	0	144	09:57:47.600	28NNEQBLGE10-		-----START-----		2R3	4	0	:	
3094	0	144	09:57:54.133	20EL5A	37PL		Program Load (halts microprocessor & unwri	4	0	5,528,692:16:0		
3095	0	144	09:57:57.466	20EL5B	37MRL		Memory Realocate (software operates from R	4	0	5,528,692:21:0		
3096	0	144	09:58:07.466	20EL6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7	4	0	5,528,692:36:0		
3097	0	144	09:58:17.466	20EL6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D	4	0	5,528,692:51:0		
3098	0	144	09:58:27.466	20EL5C	37IRT		Instrument Reset (goes into POR state)	4	0	5,528,692:66:0		
3099	0	144	09:58:30.800	20EL5D	37MN		Memory Normal (software operates from ROM)	260	4	0	5,528,692:71:0	
3100	0	144	09:58:36.800	20EL4A	37IST	1,2,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	5,528,692:80:0	
3101	0	144	09:59:44.133	165KN4A	7SCAN	NORM,109.983,24.	Check S/P Position	2R0	4	0	5,528,693:90:0	
3102	0	144	09:59:48.933	28JNEQBLGE10		-----START-----		2R0	4	0	:	
3103	0	144	09:59:48.933	28NNEQBLGE10-		-----STOP-----		2R0	4	0	:	
3104	0	144	10:00:40.800	125EL	NIMSINIT	GS	#####GROUP START INIT	2R0	4	0	5,528,694:84:0	
3105	0	144	10:00:40.800	125EL4A	37IST	0,2,0,OFF,0,1,0	Gain State 2	2R0	4	0	5,528,694:84:0	
3106	0	144	10:01:41.466	125EL11A	NIMSINIT	GE	#####GROUP END INIT	2R0	4	0	5,528,695:84:0	
3107	0	144	10:01:41.466	125EL4B	37MB	1B,1B,0,0,0,0	Selects mirror (spatial) edit table	2R0	4	0	5,528,695:84:0	
3108	0	144	10:03:38.133	117KN	CSMOS	GS	****GROUP START CSMOS	2R0	4	0	5,528,697:77:0	
3109	0	144	10:03:42.800	127EL	NIMSTAB	GS	%%%GROUP START TAB	2R0	4	0	5,528,697:84:0	
3110	0	144	10:03:42.800	127EL4A	37IOP	3,0	Long Map, Grating Start Position =00	2R3	4	0	5,528,697:84:0	
3111	0	144	10:03:43.466	127EL4B	37ETB	04,C4,35,FF,FF	Loads wavelength edit table	2R3	4	0	5,528,697:85:0	
3112	0	144	10:03:46.133	165KN4B	7VECT		Inert vect update UTC	2R3	4	0	5,528,697:89:0	
3113	0	144	10:03:47.466	117KN105A106A4A	7STRP	0,00885,0,0,0,0,	Slew =-0,03	2R3	4	0	5,528,698:00:0	
3114	0	144	10:03:51.466	432FF6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	2R3	4	0	5,528,698:06:0	
3115	0	144	10:03:51.466	127EL11A	NIMSTAB	GE	****GROUP END CSMOS	2R3	4	0	5,528,698:06:0	
3116	0	144	10:08:47.466	117KN11A	CSMOS	GE	****GROUP END CSMOS	2R3	4	0	5,528,702:86:0	
3117	0	144	10:08:53.466	432FL6A	6RTDS2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	2R3	4	0	5,528,703:04:0	
3118	0	144	10:08:54.933	28JNEQBLGE10		-----STOP-----		2R3	4	0	:	
3119	0	144	10:38:46.800	488AN6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5,528,732:55:0	
3120	0	144	12:29:23.466		DMS:	:*E4-DELAY	RDY, TRACK *1, FWD, TIC 2515.17 +/- 8	2R3	4	0	5,528,842:00:0	
3121	0	144	12:29:23.466	411JQ6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,528,842:00:0	
3122	0	144	12:29:30.133		DMS:	:*RUNUP	R7, TRACK *3, FWD, TIC 2515.17 +/- 8	2R3	4	0	5,528,842:10:0	
3123	0	144	12:29:31.533		DMS:	:*RECORD	R7, TRACK 3, FWD, TIC *2515.29 +/- 8	2R3	4	0	5,528,842:12:1	
3124	0	144	12:29:31.533		DMS:	:*AT_SPD	R7, TRACK 3, FWD, TIC 2515.29 +/- 8	2R3	4	0	5,528,842:12:1	
3125	0	144	12:29:33.466	411JQ6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,528,842:15:0	
3126	0	144	12:31:34.800	411JQ6C	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5,528,844:15:0	
3127	0	144	12:31:35.466	411JQ6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,528,844:16:0	
3128	0	144	12:31:35.466		DMS:	:*RUNDOWN	RDY, TRACK 3, FWD, TIC *2544.40 +/- 8	2R3	4	0	5,528,844:16:0	
3129	0	144	12:31:36.666		DMS:	:*READY	DMS Control Tape runup 7.68kps	2R3	4	0	5,528,844:17:8	
3130	0	144	19:10:48.133	411JR6A	6DMSC	R7,0	DMS Control Tape stop	2R3	4	0	5,529,239:00:0	
3131	0	144	19:10:48.133		DMS:	:*E4-DELAY	RDY, TRACK *1, FWD, TIC 2544.40 +/- 8	2R3	4	0	5,529,239:00:0	
3132	0	144	19:10:54.800		DMS:	:*RUNUP	R7, TRACK *3, FWD, TIC 2544.40 +/- 8	2R3	4	0	5,529,239:10:0	
3133	0	144	19:10:56.200		DMS:	:*AT_SPD	R7, TRACK 3, FWD, TIC 2544.52 +/- 8	2R3	4	0	5,529,239:12:1	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
3134	0	144	19:10:56.200		DMS:	:*RECORD	R7, TRACK 3, FWD, TIC *2544.52 +/- 8	2R3	4	0	5.529,239:12.1	
3135	0	144	19:10:58.133	411JR6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5.529,239:15.0	
3136	0	144	19:12:59.466	411JR6C	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5.529,241:15.0	
3137	0	144	19:13:00.133		DMS:	:*RUNDOWN	R7, TRACK 3, FWD, TIC *2573.56 +/- 8	2R3	4	0	5.529,241:16.0	
3138	0	144	19:13:00.133	411JR6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5.529,241:16.0	
3139	0	144	19:13:01.333		DMS:	:*READY	RDY, TRACK 3, FWD, TIC *2573.62 +/- 8	2R3	4	0	5.529,241:17.8	
3140	0	144	20:42:02.800	488AO6A	6TMSED	NORMAL1	Sci, Eng, and D/L Chan	2R3	4	0	5.529,329:22.0	
3141	0	144	21:13:04.133	488AO6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5.529,359:84.0	
3142	0	144	23:00:28.133	488AO6C	6TMSED	NORMAL1	Sci, Eng, and D/L Chan	2R3	4	0	5.529,466:13.0	
3143	0	145	01:54:55.466	432OU43TA6A	6RCDL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2R3	4	0	5.529,638:62.0	
3144	0	145	01:54:56.133	432OU6A	6RTSL1		RT Select of DDS and	2R3	4	0	5.529,638:63.0	
3145	0	145	03:13:48.133	488AP6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5.529,716:63.0	
3146	0	145	03:16:08.133	411JS6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5.529,719:00.0	
3147	0	145	03:16:08.133		DMS:	:*E4-DELAY	RDY, TRACK *1, FWD, TIC 2573.62 +/- 8	2R3	4	0	5.529,719:00.0	
3148	0	145	03:16:14.800		DMS:	:*RUNUP	R7, TRACK *3, FWD, TIC 2573.62 +/- 8	2R3	4	0	5.529,719:10.0	
3149	0	145	03:16:16.200		DMS:	:*RECORD	R7, TRACK 3, FWD, TIC *2573.74 +/- 8	2R3	4	0	5.529,719:12.1	
3150	0	145	03:16:16.200		DMS:	:*AT SPD	R7, TRACK 3, FWD, TIC 2573.74 +/- 8	2R3	4	0	5.529,719:12.1	
3151	0	145	03:16:18.133	411JS6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5.529,719:15.0	
3152	0	145	03:18:19.466	411JS6C	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5.529,721:15.0	
3153	0	145	03:18:20.133		DMS:	:*RUNDOWN	R7, TRACK 3, FWD, TIC *2602.79 +/- 8	2R3	4	0	5.529,721:16.0	
3154	0	145	03:18:20.133	411JS6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5.529,721:16.0	
3155	0	145	03:18:21.333		DMS:	:*READY	RDY, TRACK 3, FWD, TIC *2602.85 +/- 8	2R3	4	0	5.529,721:17.8	
3156	0	145	03:55:28.800	488AP6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5.529,757:83.0	
3157	0	145	10:08:40.066		DMS:	:*E4-DELAY	RDY, TRACK *1, FWD, TIC 2602.85 +/- 8	2R3	4	0	5.530,127:00.0	
3158	0	145	10:08:40.066	411JT6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5.530,127:00.0	
3159	0	145	10:08:46.733		DMS:	:*RUNUP	R7, TRACK *3, FWD, TIC 2602.85 +/- 8	2R3	4	0	5.530,127:10.0	
3160	0	145	10:08:48.133		DMS:	:*RECORD	R7, TRACK 3, FWD, TIC *2602.97 +/- 8	2R3	4	0	5.530,127:12.1	
3161	0	145	10:08:48.133		DMS:	:*AT SPD	R7, TRACK 3, FWD, TIC 2602.97 +/- 8	2R3	4	0	5.530,127:12.1	
3162	0	145	10:08:50.066	411JT6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5.530,127:15.0	
3163	0	145	10:10:51.400	411JT6C	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5.530,129:15.0	
3164	0	145	10:10:52.066		DMS:	:*RUNDOWN	R7, TRACK 3, FWD, TIC *2632.02 +/- 8	2R3	4	0	5.530,129:16.0	
3165	0	145	10:10:52.066	411JT6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5.530,129:16.0	
3166	0	145	10:10:53.266		DMS:	:*READY	RDY, TRACK 3, FWD, TIC *2632.08 +/- 8	2R3	4	0	5.530,129:17.8	
3167	0	145	11:14:22.733	165IQ4A	7SCAN	NORM,104.716999,	Check S/P Position	2R3	4	0	5.530,191:90.0	
3168	0	145	11:16:23.400	165IQ4B	7VECT		Inert vect update UTC	2R3	4	0	5.530,193:89.0	
3169	0	145	11:16:28.733	118IQ	SMOS	GS		2R3	4	0	5.530,194:06.0	
3170	0	145	11:16:55.400	118IQ110A11A4A	7STRP	-0.0014,0.0,182,	Slew =4,0,9	2R3	4	0	5.530,194:46.0	
3171	0	145	11:19:57.400	118IQ11A	SMOS	GE		2R3	4	0	5.530,197:46.0	
3172	0	145	11:20:18.733		DMS:	:*E4-DELAY	RDY, TRACK *1, FWD, TIC 2632.08 +/- 8	2R3	4	0	5.530,197:78.0	
3173	0	145	11:20:18.733	175IQ422A6A	6DMSC	R403,3	DMS Control	2R3	4	0	5.530,197:78.0	
3174	0	145	11:20:25.400		DMS:	:*RUNUP	R403, TRACK *3, FWD, TIC 2632.08 +/- 8	2R3	4	0	5.530,197:88.0	
3175	0	145	11:20:28.733	175IQ176A6A	6TMREC	IM4	403.2 KBPS IMAGE RECORD Record Mode Change	2R3	4	0	5.530,198:02.0	
3176	0	145	11:20:29.266		DMS:	:*AT SPD	R403, TRACK 3, FWD, TIC 2655.08 +/- 8	2R3	4	0	5.530,198:02.8	
3177	0	145	11:20:29.266		DMS:	:*RECORD	R403, TRACK 3, FWD, TIC *2655.08 +/- 8	2R3	4	0	5.530,198:02.8	
3178	0	145	11:20:31.400		DMS:	:*RUNDOWN	R403, TRACK 3, FWD, TIC *2681.33 +/- 8	2R3	4	0	5.530,198:06.0	
3179	0	145	11:20:31.400	175IQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5.530,198:06.0	
3180	0	145	11:20:34.133		DMS:	:*READY	RDY, TRACK 3, FWD, TIC *2685.33 +/- 8	2R3	4	0	5.530,198:10.1	
3181	0	145	11:24:29.400	165IZ4A	7SCAN	NORM,105.025999,	Check S/P Position	2R3	4	0	5.530,201:90.0	
3182	0	145	11:25:22.066		DMS:	:*E4-DELAY	RDY, TRACK *1, FWD, TIC 2685.33 +/- 8	2R3	4	0	5.530,202:78.0	
3183	0	145	11:25:22.066	175KA422A6A	6DMSC	R7,3	DMS Control	2R3	4	0	5.530,202:78.0	
3184	0	145	11:25:28.733		DMS:	:*RUNUP	R7, TRACK *3, FWD, TIC 2685.33 +/- 8	2R3	4	0	5.530,202:88.0	
3185	0	145	11:25:30.066	175KA176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	5.530,202:90.0	
3186	0	145	11:25:30.133		DMS:	:*AT SPD	R7, TRACK 3, FWD, TIC 2685.45 +/- 8	2R3	4	0	5.530,202:90.1	
3187	0	145	11:25:30.133		DMS:	:*RECORD	R7, TRACK 3, FWD, TIC *2685.45 +/- 8	2R3	4	0	5.530,202:90.1	
3188	0	145	11:25:37.400	175KA422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5.530,203:10.0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
3189	0	145	11:25:37.400		DMS:	:*RUNDOWN	R7, TRACK 3, FWD, TIC *2687.15 +/- 8	2R3	4	0	5.530,203:10:0	
3190	0	145	11:25:38.600		DMS:	:*READY	RDY, TRACK 3, FWD, TIC *2687.21 +/- 8	2R3	4	0	5.530,203:11:8	
3191	0	145	13:00:06.066	20KA4B	7SAFE	UNSTOW	S/P TO 153 deg cone	2R3	4	0	5.530,296:50:0	
3192	0	145	17:02:12.733		DMS:	:*E4-DELAY	RDY, TRACK *1, FWD, TIC 2687.21 +/- 8	2R3	4	0	5.530,536:00:0	
3193	0	145	17:02:12.733	411JU6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5.530,536:00:0	
3194	0	145	17:02:19.400		DMS:	:*RUNUP	R7, TRACK *3, FWD, TIC 2687.21 +/- 8	2R3	4	0	5.530,536:10:0	
3195	0	145	17:02:20.800		DMS:	:*AT SPD	R7, TRACK 3, FWD, TIC 2687.33 +/- 8	2R3	4	0	5.530,536:12:1	
3196	0	145	17:02:20.800		DMS:	:*RECORD	R7, TRACK 3, FWD, TIC *2687.33 +/- 8	2R3	4	0	5.530,536:12:1	
3197	0	145	17:02:22.733	411JU6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5.530,536:15:0	
3198	0	145	17:04:24.066	411JU6C	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5.530,538:15:0	
3199	0	145	17:04:24.733		DMS:	:*RUNDOWN	R7, TRACK 3, FWD, TIC *2716.38 +/- 8	2R3	4	0	5.530,538:16:0	
3200	0	145	17:04:24.733	411JU6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5.530,538:16:0	
3201	0	145	17:04:25.933		DMS:	:*READY	RDY, TRACK 3, FWD, TIC *2716.44 +/- 8	2R3	4	0	5.530,538:17:8	
3202	0	145	22:56:20.066	20UL4B	7SAFE	UNSTOW	S/P TO 153 deg cone	2R3	4	0	5.530,886:21:0	
3203	0	145	23:09:14.733		DMS:	:*E4-DELAY	RDY, TRACK *1, FWD, TIC 2716.44 +/- 8	2R3	4	0	5.530,899:00:0	
3204	0	145	23:09:14.733	411JV6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5.530,899:00:0	
3205	0	145	23:09:21.400		DMS:	:*RUNUP	R7, TRACK *3, FWD, TIC 2716.44 +/- 8	2R3	4	0	5.530,899:10:0	
3206	0	145	23:09:22.800		DMS:	:*AT SPD	R7, TRACK 3, FWD, TIC 2716.56 +/- 8	2R3	4	0	5.530,899:12:1	
3207	0	145	23:09:22.800		DMS:	:*RECORD	R7, TRACK 3, FWD, TIC *2716.56 +/- 8	2R3	4	0	5.530,899:12:1	
3208	0	145	23:09:24.733	411JV6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5.530,899:15:0	
3209	0	145	23:11:26.066	411JV6C	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5.530,901:15:0	
3210	0	145	23:11:26.733		DMS:	:*RUNDOWN	R7, TRACK 3, FWD, TIC *2745.60 +/- 8	2R3	4	0	5.530,901:16:0	
3211	0	145	23:11:26.733	411JV6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5.530,901:16:0	
3212	0	145	23:11:27.933		DMS:	:*READY	RDY, TRACK 3, FWD, TIC *2745.66 +/- 8	2R3	4	0	5.530,901:17:8	
3213	0	145	23:15:20.066	20UL4D	7MODE	INT	AACS INERTIAL MODE	2R3	4	0	5.530,905:02:0	
3214	0	145	23:21:04.066	488AQ6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5.530,910:63:0	
3215	0	146	00:42:58.066	488AQ6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5.530,991:63:0	
3216	0	146	01:30:16.733	488AQ6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5.531,038:44:0	
3217	0	146	01:34:40.733	488AQ6D	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5.531,042:76:0	
3218	0	146	02:02:00.066	20UL4F	7MODE	CRU	AACS CRUISE MODE	2R3	4	0	5.531,069:78:0	
3219	0	146	03:43:48.733	488AQ6E	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5.531,170:50:0	
3220	0	146	05:12:05.400	488AR6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5.531,257:78:0	
3221	0	146	05:23:02.066	488AR6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5.531,268:62:0	
3222	0	146	06:59:24.733	411LF6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5.531,364:00:0	
3223	0	146	06:59:24.733		DMS:	:*E4-DELAY	RDY, TRACK *1, FWD, TIC 2745.66 +/- 8	2R3	4	0	5.531,364:00:0	
3224	0	146	06:59:31.400		DMS:	:*RUNUP	R7, TRACK *3, FWD, TIC 2745.66 +/- 8	2R3	4	0	5.531,364:10:0	
3225	0	146	06:59:32.800		DMS:	:*RECORD	R7, TRACK 3, FWD, TIC *2745.78 +/- 8	2R3	4	0	5.531,364:12:1	
3226	0	146	06:59:32.800		DMS:	:*AT SPD	R7, TRACK 3, FWD, TIC 2745.78 +/- 8	2R3	4	0	5.531,364:12:1	
3227	0	146	06:59:34.733	411LF6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5.531,364:15:0	
3228	0	146	07:01:36.066	411LF6C	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5.531,366:15:0	
3229	0	146	07:01:36.733	411LF6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5.531,366:16:0	
3230	0	146	07:01:36.733		DMS:	:*RUNDOWN	R7, TRACK 3, FWD, TIC *2774.83 +/- 8	2R3	4	0	5.531,366:16:0	
3231	0	146	07:01:37.933		DMS:	:*READY	RDY, TRACK 3, FWD, TIC *2774.89 +/- 8	2R3	4	0	5.531,366:17:8	
3232	0	146	07:20:26.066	488AR6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5.531,384:72:0	
3233	0	146	07:37:20.733	488AR6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5.531,401:47:0	
3234	0	146	07:37:22.066	20BB6A	6TMSED	NORM,AH2	Sci, Eng, and D/L Chan	2R3	4	0	5.531,401:49:0	
3235	0	146	07:54:00.066	20AA4AA	7STAT	10.00.307.6886,2	Stator inertial point	2R3	4	0	5.531,417:90:0	
3236	0	146	07:54:12.066	20AA6AA	6MROH	7.6744,0,A10	read from AACSA7,6744,0,A10	2R3	4	0	5.531,418:17:0	
3237	0	146	08:00:00.066	474AA416A4B	7MODE	INT	AACS INERTIAL MODE	2R3	4	0	5.531,423:84:0	
3238	0	146	08:02:00.066	474AA416A4D	7SAFE	UNSTOW	S/P TO 153 deg cone	2R3	4	0	5.531,425:82:0	
3239	0	146	08:02:20.066	20AA4AD	7STAT	17.45.307.6886,2	Stator inertial point	2R3	4	0	5.531,426:21:0	
3240	0	146	08:06:14.066	474AA416A4E	7BURN	307.688599,20.0	ALERT -- Thruster fire	2R3	4	0	5.531,430:08:0	
3241	0	146	08:30:30.066	20AA4AM	7SLEW	DIS,POS,0.0	Stator movement	2R3	4	0	5.531,454:08:0	
3242	0	146	08:35:22.066	20AA4AN	7MODE	CRU	AACS CRUISE MODE	2R3	4	0	5.531,458:82:0	
3243	0	146	13:33:36.733	488AS6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5.531,753:79:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
3244	0	146	15:38:50.066	488A56B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5.531,877:65.0	
3245	0	146	16:31:42.066	411JW6A	6DMSC	R7.0	DMS Control Tape runup 7.68kps	2R3	4	0	5.531,930:00.0	
3246	0	146	16:31:42.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2774.89 +/- 8	2R3	4	0	5.531,930:00.0	
3247	0	146	16:31:48.733		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2774.89 +/- 8	2R3	4	0	5.531,930:10.0	
3248	0	146	16:31:50.133		DMS:	: *RECORD	R7, TRACK 3, FWD, TIC *2775.01 +/- 8	2R3	4	0	5.531,930:12.1	
3249	0	146	16:31:50.133		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2775.01 +/- 8	2R3	4	0	5.531,930:12.1	
3250	0	146	16:31:52.066	411JW6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5.531,930:15.0	
3251	0	146	16:33:53.400	411JW6C	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5.531,932:15.0	
3252	0	146	16:33:54.066	411JW6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5.531,932:16.0	
3253	0	146	16:33:54.066		DMS:	: *RUNDOWN	R7, TRACK 3, FWD, TIC *2804.06 +/- 8	2R3	4	0	5.531,932:16.0	
3254	0	146	16:33:55.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2804.12 +/- 8	2R3	4	0	5.531,932:17.8	
3255	0	146	16:35:00.066	444SB443A4A	7MODE	CRU	AACS CRUISE MODE	2R3	4	0	5.531,933:24.0	
3256	0	146	16:39:46.733	432OQ431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2R3	4	0	5.531,937:90.0	
3257	0	146	16:39:47.400	432OQ6A	6RTSL1		R/T Select of DDS and	2R3	4	0	5.531,938:00.0	
3258	0	146	20:42:06.000	488AT6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5.532,177:59.0	
3259	0	146	21:03:00.666	488AT6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5.532,198:30.0	
3260	0	146	22:46:08.666	488AT6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5.532,300:30.0	
3261	0	146	22:48:03.333	488AT6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5.532,302:20.0	
3262	0	147	01:42:45.333	411JX6A	6DMSC	R7.0	DMS Control Tape runup 7.68kps	2R3	4	0	5.532,475:00.0	
3263	0	147	01:42:45.333		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2804.12 +/- 8	2R3	4	0	5.532,475:00.0	
3264	0	147	01:42:52.000		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2804.12 +/- 8	2R3	4	0	5.532,475:10.0	
3265	0	147	01:42:53.400		DMS:	: *RECORD	R7, TRACK 3, FWD, TIC *2804.24 +/- 8	2R3	4	0	5.532,475:12.1	
3266	0	147	01:42:53.400		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2804.24 +/- 8	2R3	4	0	5.532,475:12.1	
3267	0	147	01:42:55.333	411JX6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5.532,475:15.0	
3268	0	147	01:44:56.666	411JX6C	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5.532,477:15.0	
3269	0	147	01:44:57.333	411JX6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5.532,477:16.0	
3270	0	147	01:44:57.333		DMS:	: *RUNDOWN	R7, TRACK 3, FWD, TIC *2833.28 +/- 8	2R3	4	0	5.532,477:16.0	
3271	0	147	01:44:58.533		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2833.34 +/- 8	2R3	4	0	5.532,477:17.8	
3272	0	147	01:49:36.666	488AT6E	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5.532,481:71.0	
3273	0	147	02:53:50.666	488AU6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5.532,545:28.0	
3274	0	147	03:36:16.666	488AU6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5.532,587:25.0	
3275	0	147	08:56:31.333	411JY6A	6DMSC	R7.0	DMS Control Tape runup 7.68kps	2R3	4	0	5.532,904:00.0	
3276	0	147	08:56:31.333		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2833.34 +/- 8	2R3	4	0	5.532,904:00.0	
3277	0	147	08:56:38.000		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2833.34 +/- 8	2R3	4	0	5.532,904:10.0	
3278	0	147	08:56:39.400		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2833.46 +/- 8	2R3	4	0	5.532,904:12.1	
3279	0	147	08:56:39.400		DMS:	: *RECORD	R7, TRACK 3, FWD, TIC *2833.46 +/- 8	2R3	4	0	5.532,904:12.1	
3280	0	147	08:56:41.333	411JY6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5.532,904:15.0	
3281	0	147	08:58:42.666	411JY6C	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5.532,906:15.0	
3282	0	147	08:58:43.333	411JY6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5.532,906:16.0	
3283	0	147	08:58:43.333		DMS:	: *RUNDOWN	R7, TRACK 3, FWD, TIC *2862.57 +/- 8	2R3	4	0	5.532,906:16.0	
3284	0	147	08:58:44.533		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2862.57 +/- 8	2R3	4	0	5.532,906:17.8	
3285	0	147	15:50:04.000	411JZ6A	6DMSC	R7.0	DMS Control Tape runup 7.68kps	2R3	4	0	5.533,313:00.0	
3286	0	147	15:50:04.000		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2862.57 +/- 8	2R3	4	0	5.533,313:00.0	
3287	0	147	15:50:10.666		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2862.57 +/- 8	2R3	4	0	5.533,313:10.0	
3288	0	147	15:50:12.066		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2862.69 +/- 8	2R3	4	0	5.533,313:12.1	
3289	0	147	15:50:12.066		DMS:	: *RECORD	R7, TRACK 3, FWD, TIC *2862.69 +/- 8	2R3	4	0	5.533,313:12.1	
3290	0	147	15:50:14.000	411JZ6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5.533,313:15.0	
3291	0	147	15:52:15.333	411JZ6C	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5.533,315:15.0	
3292	0	147	15:52:16.000	411JZ6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5.533,315:16.0	
3293	0	147	15:52:16.000		DMS:	: *RUNDOWN	R7, TRACK 3, FWD, TIC *2891.74 +/- 8	2R3	4	0	5.533,315:16.0	
3294	0	147	15:52:17.200		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2891.80 +/- 8	2R3	4	0	5.533,315:17.8	
3295	0	147	20:36:06.666	488AV6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5.533,595:82.0	
3296	0	147	21:57:04.666	488AV6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R3	4	0	5.533,675:89.0	
3297	0	148	02:34:24.666	488AV6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5.533,950:24.0	
3298	0	148	03:58:09.333	488AW6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5.534,033:08.0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
3299	0	148	04:04:00.666	488AW6B	6TMSED	FILL,AL1	Sci, Eng. and D/L Chan	2R3	4	0	5.534,038:80:0	
3300	0	148	04:40:16.600	488AW6C	6TMSED	FILL,AL2	Sci, Eng. and D/L Chan	2R3	4	0	5.534,074:68:0	
3301	0	148	06:38:49.933	411KA6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5.534,192:00:0	
3302	0	148	06:38:49.933		DMS:	:*E4-DELAY	RDY, TRACK *1, FWD, TIC 2891.80 +/- 8	2R3	4	0	5.534,192:00:0	
3303	0	148	06:38:56.600		DMS:	:*RUNUP	R7, TRACK *3, FWD, TIC 2891.80 +/- 8	2R3	4	0	5.534,192:10:0	
3304	0	148	06:38:58.000		DMS:	:*RECORD	R7, TRACK 3, FWD, TIC *2891.92 +/- 8	2R3	4	0	5.534,192:12:1	
3305	0	148	06:38:58.000		DMS:	:*AT SPD	R7, TRACK 3, FWD, TIC 2891.92 +/- 8	2R3	4	0	5.534,192:12:1	
3306	0	148	06:38:59.933	411KA6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5.534,192:15:0	
3307	0	148	06:41:01.266	411KA6C	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5.534,194:15:0	
3308	0	148	06:41:01.933	411KA6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5.534,194:16:0	
3309	0	148	06:41:01.933		DMS:	:*RUNDOWN	R7, TRACK 3, FWD, TIC *2920.97 +/- 8	2R3	4	0	5.534,194:16:0	
3310	0	148	06:41:03.133		DMS:	:*READY	RDY, TRACK 3, FWD, TIC *2921.03 +/- 8	2R3	4	0	5.534,194:17:8	
3311	0	148	11:51:07.933	488AX6A	6TMSED	NORM,AL2	Sci, Eng. and D/L Chan	2R3	4	0	5.534,500:79:0	
3312	0	148	15:28:48.600	488AX6B	6TMSED	NORM,AL1	Sci, Eng. and D/L Chan	2R3	4	0	5.534,716:14:0	
3313	0	148	15:38:53.266	488AX6C	6TMSED	FILL,AL1	Sci, Eng. and D/L Chan	2R3	4	0	5.534,726:11:0	
3314	0	148	16:19:12.600	411KB6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5.534,766:00:0	
3315	0	148	16:19:12.600		DMS:	:*E4-DELAY	RDY, TRACK *1, FWD, TIC 2921.03 +/- 8	2R3	4	0	5.534,766:00:0	
3316	0	148	16:19:19.266		DMS:	:*RUNUP	R7, TRACK *3, FWD, TIC 2921.03 +/- 8	2R3	4	0	5.534,766:10:0	
3317	0	148	16:19:20.666		DMS:	:*AT SPD	R7, TRACK 3, FWD, TIC 2921.15 +/- 8	2R3	4	0	5.534,766:12:1	
3318	0	148	16:19:20.666		DMS:	:*RECORD	R7, TRACK 3, FWD, TIC *2921.15 +/- 8	2R3	4	0	5.534,766:12:1	
3319	0	148	16:19:22.600	411KB6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5.534,766:15:0	
3320	0	148	16:21:23.933	411KB6C	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5.534,768:15:0	
3321	0	148	16:21:24.600	411KB6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5.534,768:16:0	
3322	0	148	16:21:24.600		DMS:	:*RUNDOWN	R7, TRACK 3, FWD, TIC *2950.19 +/- 8	2R3	4	0	5.534,768:16:0	
3323	0	148	16:21:25.800		DMS:	:*READY	RDY, TRACK 3, FWD, TIC *2950.25 +/- 8	2R3	4	0	5.534,768:17:8	
3324	0	148	16:22:08.600	488AX6D	6TMSED	FILL,AL2	Sci, Eng. and D/L Chan	2R3	4	0	5.534,768:82:0	
3325	0	148	20:31:07.933	488AY6A	6TMSED	NORM,AL2	Sci, Eng. and D/L Chan	2R3	4	0	5.535,015:14:0	
3326	0	148	21:50:40.600	488AY6B	6TMSED	NORM,AL3	Sci, Eng. and D/L Chan	2R3	4	0	5.535,093:75:0	
3327	0	149	02:28:00.600	488AY6C	6TMSED	NORM,AL2	Sci, Eng. and D/L Chan	2R3	4	0	5.535,368:10:0	
3328	0	149	03:28:50.600	488AZ6A	6TMSED	FILL,AL2	Sci, Eng. and D/L Chan	2R3	4	0	5.535,428:25:0	
3329	0	149	06:49:46.600	411KC6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5.535,627:00:0	
3330	0	149	06:49:46.600		DMS:	:*E4-DELAY	RDY, TRACK *1, FWD, TIC 2950.25 +/- 8	2R3	4	0	5.535,627:00:0	
3331	0	149	06:49:53.266		DMS:	:*RUNUP	R7, TRACK *3, FWD, TIC 2950.25 +/- 8	2R3	4	0	5.535,627:10:0	
3332	0	149	06:49:54.666		DMS:	:*RECORD	R7, TRACK 3, FWD, TIC *2950.37 +/- 8	2R3	4	0	5.535,627:12:1	
3333	0	149	06:49:54.666		DMS:	:*AT SPD	R7, TRACK 3, FWD, TIC 2950.37 +/- 8	2R3	4	0	5.535,627:12:1	
3334	0	149	06:49:56.600	411KC6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5.535,627:15:0	
3335	0	149	06:51:57.933	411KC6C	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5.535,629:15:0	
3336	0	149	06:51:58.600	411KC6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5.535,629:16:0	
3337	0	149	06:51:58.600		DMS:	:*RUNDOWN	R7, TRACK 3, FWD, TIC *2979.42 +/- 8	2R3	4	0	5.535,629:16:0	
3338	0	149	06:51:59.800		DMS:	:*READY	RDY, TRACK 3, FWD, TIC *2979.48 +/- 8	2R3	4	0	5.535,629:17:8	
3339	0	149	12:21:09.933	488BA6A	6TMSED	NORM,AL2	Sci, Eng. and D/L Chan	2R3	4	0	5.535,954:68:0	
3340	0	149	15:24:32.533	488BA6B	6TMSED	NORM,AL1	Sci, Eng. and D/L Chan	2R3	4	0	5.536,136:10:0	
3341	0	149	15:33:55.200	488BA6C	6TMSED	FILL,AL1	Sci, Eng. and D/L Chan	2R3	4	0	5.536,145:35:0	
3342	0	149	16:03:51.866	411KD6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5.536,175:00:0	
3343	0	149	16:03:51.866		DMS:	:*E4-DELAY	RDY, TRACK *1, FWD, TIC 2979.48 +/- 8	2R3	4	0	5.536,175:00:0	
3344	0	149	16:03:58.533		DMS:	:*RUNUP	R7, TRACK *3, FWD, TIC 2979.48 +/- 8	2R3	4	0	5.536,175:10:0	
3345	0	149	16:03:59.933		DMS:	:*AT SPD	R7, TRACK 3, FWD, TIC 2979.60 +/- 8	2R3	4	0	5.536,175:12:1	
3346	0	149	16:03:59.933		DMS:	:*RECORD	R7, TRACK 3, FWD, TIC *2979.60 +/- 8	2R3	4	0	5.536,175:12:1	
3347	0	149	16:04:01.866	411KD6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5.536,175:15:0	
3348	0	149	16:06:03.200	411KD6C	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5.536,177:15:0	
3349	0	149	16:06:03.866	411KD6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5.536,177:16:0	
3350	0	149	16:06:03.866		DMS:	:*RUNDOWN	R7, TRACK 3, FWD, TIC *3008.65 +/- 8	2R3	4	0	5.536,177:16:0	
3351	0	149	16:06:05.066		DMS:	:*READY	RDY, TRACK 3, FWD, TIC *3008.71 +/- 8	2R3	4	0	5.536,177:17:8	
3352	0	149	16:15:44.533	488BA6D	6TMSED	FILL,AL2	Sci, Eng. and D/L Chan	2R3	4	0	5.536,186:68:0	
3353	0	149	21:56:09.866	488BB6A	6TMSED	NORM,AL2	Sci, Eng. and D/L Chan	2R3	4	0	5.536,523:39:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
3354	0	149	22:01:20.533	488BB6B	6TMSED	NORM,AL3	Sci, Eng. and D/L Chan	2R3	4	0	5.536,528:50:0	
3355	0	150	02:23:44.533	488BB6C	6TMSED	NORM,AL2	Sci, Eng. and D/L Chan	2R3	4	0	5.536,788:06:0	
3356	0	150	03:51:37.200	488BB6D	6TMSED	FILL,AL2	Sci, Eng. and D/L Chan	2R3	4	0	5.536,874:89:0	
3357	0	150	03:59:44.533	488BC6A	6TMSED	FILL,AL1	Sci, Eng. and D/L Chan	2R3	4	0	5.536,883:01:0	
3358	0	150	04:57:11.866	488BC6B	6TMSED	NORM,AL1	Sci, Eng. and D/L Chan	2R3	4	0	5.536,939:76:0	
3359	0	150	05:17:55.866	488BC6C	6TMSED	FILL,AL1	Sci, Eng. and D/L Chan	2R3	4	0	5.536,960:31:0	
3360	0	150	05:44:53.200	411KE6A	6DMSC	R7.0	DMS Control Tape runup 7.68kps	2R3	4	0	5.536,987:00:0	
3361	0	150	05:44:53.200		DMS:	:*E4-DELAY	RDY, TRACK *1, FWD, TIC 3008.71 +/- 8	2R3	4	0	5.536,987:00:0	
3362	0	150	05:44:59.866		DMS:	:*RUNUP	R7, TRACK *3, FWD, TIC 3008.71 +/- 8	2R3	4	0	5.536,987:10:0	
3363	0	150	05:45:01.266		DMS:	:*RECORD	R7, TRACK 3, FWD, TIC *3008.83 +/- 8	2R3	4	0	5.536,987:12:1	
3364	0	150	05:45:01.266		DMS:	:*AT_SPD	R7, TRACK 3, FWD, TIC 3008.83 +/- 8	2R3	4	0	5.536,987:12:1	
3365	0	150	05:45:03.200	411KE6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5.536,987:15:0	
3366	0	150	05:47:04.533	411KE6C	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5.536,989:15:0	
3367	0	150	05:47:05.200	411KE6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5.536,989:16:0	
3368	0	150	05:47:05.200		DMS:	:*RUNDOWN	R7, TRACK 3, FWD, TIC *3037.93 +/- 8	2R3	4	0	5.536,989:16:0	
3369	0	150	05:47:06.400		DMS:	:*READY	RDY, TRACK 3, FWD, TIC *3037.93 +/- 8	2R3	4	0	5.536,989:17:8	
3370	0	150	07:05:19.866	488BC6D	6TMSED	NORM,AL1	Sci, Eng. and D/L Chan	2R3	4	0	5.537,066:51:0	
3371	0	150	07:11:44.533	488BC6E	6TMSED	NORM,AL2	Sci, Eng. and D/L Chan	2R3	4	0	5.537,072:82:0	
3372	0	150	13:22:56.533	488BD6A	6TMSED	NORM,AL1	Sci, Eng. and D/L Chan	2R3	4	0	5.537,440:02:0	
3373	0	150	15:08:57.200	488BE6A	6TMSED	FILL,AL1	Sci, Eng. and D/L Chan	2R3	4	0	5.537,544:79:0	
3374	0	150	17:47:49.866	411KF6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5.537,702:00:0	
3375	0	150	17:47:49.866		DMS:	:*E4-DELAY	RDY, TRACK *1, FWD, TIC 3037.93 +/- 8	2R3	4	0	5.537,702:00:0	
3376	0	150	17:47:56.533		DMS:	:*RUNUP	R7, TRACK *3, FWD, TIC 3037.93 +/- 8	2R3	4	0	5.537,702:10:0	
3377	0	150	17:47:57.933		DMS:	:*AT_SPD	R7, TRACK 3, FWD, TIC 3038.05 +/- 8	2R3	4	0	5.537,702:12:1	
3378	0	150	17:47:57.933		DMS:	:*RECORD	R7, TRACK 3, FWD, TIC *3038.05 +/- 8	2R3	4	0	5.537,702:12:1	
3379	0	150	17:47:59.866	411KF6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5.537,702:15:0	
3380	0	150	17:50:01.200	411KF6C	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5.537,704:15:0	
3381	0	150	17:50:01.866	411KF6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5.537,704:16:0	
3382	0	150	17:50:01.866		DMS:	:*RUNDOWN	R7, TRACK 3, FWD, TIC *3067.10 +/- 8	2R3	4	0	5.537,704:16:0	
3383	0	150	17:50:03.066		DMS:	:*READY	RDY, TRACK 3, FWD, TIC *3067.16 +/- 8	2R3	4	0	5.537,704:17:8	
3384	0	150	20:59:59.866	481UE4A	7VECT	BB1	Inert vect update UTC	2R3	4	0	5.537,892:05:0	
3385	0	151	00:40:21.800	411KG6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5.538,110:00:0	
3386	0	151	00:40:21.800		DMS:	:*E4-DELAY	RDY, TRACK *1, FWD, TIC 3067.16 +/- 8	2R3	4	0	5.538,110:00:0	
3387	0	151	00:40:28.466		DMS:	:*RUNUP	R7, TRACK *3, FWD, TIC 3067.16 +/- 8	2R3	4	0	5.538,110:10:0	
3388	0	151	00:40:29.866		DMS:	:*RECORD	R7, TRACK 3, FWD, TIC *3067.28 +/- 8	2R3	4	0	5.538,110:12:1	
3389	0	151	00:40:29.866		DMS:	:*AT_SPD	R7, TRACK 3, FWD, TIC 3067.28 +/- 8	2R3	4	0	5.538,110:12:1	
3390	0	151	00:40:31.800	411KG6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5.538,110:15:0	
3391	0	151	00:42:33.133	411KG6C	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5.538,112:15:0	
3392	0	151	00:42:33.800	411KG6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5.538,112:16:0	
3393	0	151	00:42:33.800		DMS:	:*RUNDOWN	R7, TRACK 3, FWD, TIC *3096.33 +/- 8	2R3	4	0	5.538,112:16:0	
3394	0	151	00:42:35.000		DMS:	:*READY	RDY, TRACK 3, FWD, TIC *3096.39 +/- 8	2R3	4	0	5.538,112:17:8	
3395	0	151	04:52:13.133	488BF6A	6TMSED	NORM,AL1	Sci, Eng. and D/L Chan	2R3	4	0	5.538,359:08:0	
3396	0	151	05:12:53.800	488BF6B	6TMSED	FILL,AL1	Sci, Eng. and D/L Chan	2R3	4	0	5.538,379:49:0	
3397	0	151	07:00:17.800	488BF6C	6TMSED	NORM,AL1	Sci, Eng. and D/L Chan	2R3	4	0	5.538,485:69:0	
3398	0	151	07:16:00.466	488BF6D	6TMSED	NORM,AL2	Sci, Eng. and D/L Chan	2R3	4	0	5.538,501:27:0	
3399	0	151	09:08:57.133	411KH6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5.538,613:00:0	
3400	0	151	09:08:57.133		DMS:	:*E4-DELAY	RDY, TRACK *1, FWD, TIC 3096.39 +/- 8	2R3	4	0	5.538,613:00:0	
3401	0	151	09:09:03.800		DMS:	:*RUNUP	R7, TRACK *3, FWD, TIC 3096.39 +/- 8	2R3	4	0	5.538,613:10:0	
3402	0	151	09:09:05.200		DMS:	:*RECORD	R7, TRACK 3, FWD, TIC *3096.51 +/- 8	2R3	4	0	5.538,613:12:1	
3403	0	151	09:09:05.200		DMS:	:*AT_SPD	R7, TRACK 3, FWD, TIC 3096.51 +/- 8	2R3	4	0	5.538,613:12:1	
3404	0	151	09:09:07.133	411KH6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5.538,613:15:0	
3405	0	151	09:11:08.466	411KH6C	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5.538,615:15:0	
3406	0	151	09:11:09.133		DMS:	:*RUNDOWN	R7, TRACK 3, FWD, TIC *3125.55 +/- 8	2R3	4	0	5.538,615:16:0	
3407	0	151	09:11:09.133	411KH6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5.538,615:16:0	
3408	0	151	09:11:10.333		DMS:	:*READY	RDY, TRACK 3, FWD, TIC *3125.61 +/- 8	2R3	4	0	5.538,615:17:8	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
3409	0	151	09:13:54.466	488BF6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5.538,617:82.0	
3410	0	151	09:32:32.466	488BG6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5.538,636:30.0	
3411	0	151	16:05:31.800	411KI6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5.539,025:00.0	
3412	0	151	16:05:31.800		DMS:	:*E4-DELAY	RDY, TRACK *1, FWD, TIC 3125.61 +/- 8	2R3	4	0	5.539,025:00.0	
3413	0	151	16:05:38.466		DMS:	:*RUNUP	R7, TRACK *3, FWD, TIC 3125.61 +/- 8	2R3	4	0	5.539,025:10.0	
3414	0	151	16:05:39.866		DMS:	:*AT_SPD	R7, TRACK 3, FWD, TIC 3125.73 +/- 8	2R3	4	0	5.539,025:12.1	
3415	0	151	16:05:39.866		DMS:	:*RECORD	R7, TRACK 3, FWD, TIC *3125.73 +/- 8	2R3	4	0	5.539,025:12.1	
3416	0	151	16:05:41.800	411KI6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5.539,025:15.0	
3417	0	151	16:07:43.133	411KI6C	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5.539,027:15.0	
3418	0	151	16:07:43.800		DMS:	:*RUNDOWN	R7, TRACK 3, FWD, TIC *3154.78 +/- 8	2R3	4	0	5.539,027:16.0	
3419	0	151	16:07:43.800	411KI6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5.539,027:16.0	
3420	0	151	16:07:45.000		DMS:	:*READY	RDY, TRACK 3, FWD, TIC *3154.84 +/- 8	2R3	4	0	5.539,027:17.8	
3421	0	151	22:40:53.133	488BH6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5.539,416:01.0	
3422	0	151	22:52:59.800	488BH6B	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2R3	4	0	5.539,427:90.0	
3423	0	151	23:05:59.800	20RP4C	7STAT	10.00,230.0,-19.	Stator inertial point	2R3	4	0	5.539,440:77.0	
3424	0	151	23:06:11.800	20RP6D	6MROH	7,6744,0,A10	read from AACSA7,6744,0,A10	2R3	4	0	5.539,441:04.0	
3425	0	151	23:25:01.800	490UA412A4B	7MODE	INT	AACS INERTIAL MODE	2R3	4	0	5.539,459:61.0	
3426	0	151	23:29:59.800	490UA412A4D	7SAFE	UNSTOW	SIP TO 153 deg cone	2R3	4	0	5.539,464:53.0	
3427	0	151	23:30:19.800	20RP4D	7STAT	17.45,230.0,-19.	Stator inertial point	2R3	4	0	5.539,464:83.0	
3428	0	151	23:34:09.800	490UA412A4E	7VECT	RTH	Inert vect update UTC	2R3	4	0	5.539,468:64.0	
3429	0	151	23:34:13.800	490UA412A4F	7TURN	2,RTH	ALERT Thruster	2R3	4	0	5.539,468:70.0	
3430	0	151	23:38:01.800	490UA412A40A4A	7STAR	1,586,151,424,12	Star catalog update	2R3	4	0	5.539,472:48.0	
3431	0	151	23:38:03.800	490UA412A406A4B	7STAR	2,425,331,28	Star catalog update	2R3	4	0	5.539,472:51.0	
3432	0	151	23:38:05.800	490UA412A406A4C	7STAR	3,275,130,83	Star catalog update	2R3	4	0	5.539,472:54.0	
3433	0	151	23:38:07.800	490UA412A406A4D	7STAR	4,0,0,0,0,0	Star catalog update	2R3	4	0	5.539,472:57.0	
3434	0	151	23:38:09.800	490UA412A406A4E	7STAR	5,0,0,0,0,0	Star catalog update	2R3	4	0	5.539,472:60.0	
3435	0	151	23:38:11.800	490UA412A406A4F	7STAR	6,0,0,0,0,0	Star catalog update	2R3	4	0	5.539,472:63.0	
3436	0	151	23:48:05.800	20RP4F	7SLEW	DIS,POS,0.0	Stator movement	2R3	4	0	5.539,482:44.0	
3437	0	151	23:56:09.800	490UA412A4G	7MODE	CRU	AACS CRUISE MODE	2R3	4	0	5.539,490:42.0	
3438	0	152	01:09:59.133	432OM431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2R3	4	0	5.539,563:43.0	
3439	0	152	01:09:59.800	432OM6A	6RTSL1		RT Select of DDS and	2R3	4	0	5.539,563:44.0	
3440	0	152	01:30:59.800	488BH6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5.539,584:23.0	
3441	0	152	02:38:40.466	488BH6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R3	4	0	5.539,651:17.0	
3442	0	152	03:34:08.466	488BH6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5.539,706:04.0	
3443	0	152	03:56:45.133	488BI6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5.539,728:37.0	
3444	0	152	04:08:16.466	488BI6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5.539,739:73.0	
3445	0	152	04:44:32.466	488BI6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5.539,775:61.0	
3446	0	152	06:29:01.133	411KJ6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5.539,879:00.0	
3447	0	152	06:29:01.133		DMS:	:*E4-DELAY	RDY, TRACK *1, FWD, TIC 3154.84 +/- 8	2R3	4	0	5.539,879:00.0	
3448	0	152	06:29:07.800		DMS:	:*RUNUP	R7, TRACK *3, FWD, TIC 3154.84 +/- 8	2R3	4	0	5.539,879:10.0	
3449	0	152	06:29:09.200		DMS:	:*RECORD	R7, TRACK 3, FWD, TIC *3154.96 +/- 8	2R3	4	0	5.539,879:12.1	
3450	0	152	06:29:09.200		DMS:	:*AT_SPD	R7, TRACK 3, FWD, TIC 3154.96 +/- 8	2R3	4	0	5.539,879:12.1	
3451	0	152	06:29:11.133	411KJ6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5.539,879:15.0	
3452	0	152	06:31:12.466	411KJ6C	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5.539,881:15.0	
3453	0	152	06:31:13.133		DMS:	:*RUNDOWN	R7, TRACK 3, FWD, TIC *3184.01 +/- 8	2R3	4	0	5.539,881:16.0	
3454	0	152	06:31:13.133	411KJ6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5.539,881:16.0	
3455	0	152	06:31:14.333		DMS:	:*READY	RDY, TRACK 3, FWD, TIC *3184.07 +/- 8	2R3	4	0	5.539,881:17.8	
3456	0	152	13:39:45.066		DMS:	:*E4-DELAY	RDY, TRACK *1, FWD, TIC 3184.07 +/- 8	2R3	4	0	5.540,305:00.0	
3457	0	152	13:39:45.066	411KK6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5.540,305:00.0	
3458	0	152	13:39:51.733		DMS:	:*RUNUP	R7, TRACK *3, FWD, TIC 3184.19 +/- 8	2R3	4	0	5.540,305:10.0	
3459	0	152	13:39:53.133		DMS:	:*AT_SPD	R7, TRACK 3, FWD, TIC 3184.19 +/- 8	2R3	4	0	5.540,305:12.1	
3460	0	152	13:39:53.133		DMS:	:*RECORD	R7, TRACK 3, FWD, TIC *3184.19 +/- 8	2R3	4	0	5.540,305:12.1	
3461	0	152	13:39:55.066	411KK6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5.540,305:15.0	
3462	0	152	13:41:56.400	411KK6C	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5.540,307:15.0	
3463	0	152	13:41:57.066	411KK6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5.540,307:16.0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
3464	0	152	13:41:57.066		DMS:	:*RUNDOWN	R7, TRACK 3, FWD, TIC *3213.23 +/- 8	2R3	4	0	5,540,307:16.0	
3465	0	152	13:41:58.266		DMS:	:*READY	RDY, TRACK 3, FWD, TIC *3213.29 +/- 8	2R3	4	0	5,540,307:17.8	
3466	0	152	20:01:15.733	488BJ6A	6TMSED	NORM,AL2	Sci. Eng. and D/L Chan	2R3	4	0	5,540,682:29.0	
3467	0	152	20:27:28.400	488BJ6B	6TMSED	NORM,AL3	Sci. Eng. and D/L Chan	2R3	4	0	5,540,708:22.0	
3468	0	152	21:16:32.400	488BJ6C	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	2R3	4	0	5,540,756:70.0	
3469	0	153	01:01:59.733	20UR4B	7SLEW	DIS,POS,0.0	Stator movement	2R3	4	0	5,540,979:68.0	
3470	0	153	01:02:59.733	20UR4D	7MODE	SPNL	AACS ALL-SPIN LOW	2R3	4	0	5,540,980:67.0	
3471	0	153	01:04:59.733	20UR4E	7SAFE	UNSTOW	SIP TO 153 deg cone	2R3	4	0	5,540,982:65.0	
3472	0	153	01:10:29.733	20UR4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	2R3	4	0	5,540,988:14.0	
3473	0	153	01:10:30.400	20UR4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	2R3	4	0	5,540,988:15.0	
3474	0	153	01:10:50.400	20UR4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	2R3	4	0	5,540,988:45.0	
3475	0	153	01:10:51.066	20UR4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	2R3	4	0	5,540,988:46.0	
3476	0	153	01:11:11.066	20UR4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	2R3	4	0	5,540,988:76.0	
3477	0	153	01:11:11.733	20UR4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	2R3	4	0	5,540,988:77.0	
3478	0	153	01:11:21.733	20UR4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	2R3	4	0	5,540,989:01.0	
3479	0	153	01:11:22.400	20UR4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	2R3	4	0	5,540,989:02.0	
3480	0	153	01:11:32.400	20UR4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	2R3	4	0	5,540,989:17.0	
3481	0	153	01:11:33.066	20UR4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	2R3	4	0	5,540,989:18.0	
3482	0	153	01:13:19.733	20UR4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	2R3	4	0	5,540,990:87.0	
3483	0	153	01:13:20.400	20UR4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	2R3	4	0	5,540,990:88.0	
3484	0	153	01:13:40.400	20UR4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	2R3	4	0	5,540,991:27.0	
3485	0	153	01:13:41.066	20UR4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	2R3	4	0	5,540,991:28.0	
3486	0	153	01:14:01.066	20UR4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	2R3	4	0	5,540,991:58.0	
3487	0	153	01:14:01.733	20UR4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	2R3	4	0	5,540,991:59.0	
3488	0	153	01:14:11.733	20UR4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	2R3	4	0	5,540,991:74.0	
3489	0	153	01:14:12.400	20UR4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	2R3	4	0	5,540,991:75.0	
3490	0	153	01:14:22.400	20UR4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	2R3	4	0	5,540,991:90.0	
3491	0	153	01:14:23.066	20UR4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	2R3	4	0	5,540,992:00.0	
3492	0	153	01:15:19.733	20UR4Z	7MODE	CRU	AACS CRUISE MODE	2R3	4	0	5,540,992:85.0	
3493	0	153	01:34:59.733	4320K31A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2R3	4	0	5,541,012:35.0	
3494	0	153	01:35:00.400	4320K6A	6RTSL1		RT Select of DDS and	2R3	4	0	5,541,012:36.0	
3495	0	153	01:56:16.400	488BJ6D	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	2R3	4	0	5,541,033:39.0	
3496	0	153	02:06:40.400	488BK6A	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	2R3	4	0	5,541,043:65.0	
3497	0	153	05:23:07.066	411KL6A	6DMSC	R7.0	DMS Control Tape runup 7.68kps	2R3	4	0	5,541,238:00.0	
3498	0	153	05:23:07.066		DMS:	:*E4-DELAY	RDY, TRACK *1, FWD, TIC 3213.29 +/- 8	2R3	4	0	5,541,238:00.0	
3499	0	153	05:23:13.733		DMS:	:*RUNUP	R7, TRACK *3, FWD, TIC 3213.29 +/- 8	2R3	4	0	5,541,238:10.0	
3500	0	153	05:23:15.133		DMS:	:*RECORD	R7, TRACK 3, FWD, TIC *3213.41 +/- 8	2R3	4	0	5,541,238:12.1	
3501	0	153	05:23:15.133		DMS:	:*AT SPD	R7, TRACK 3, FWD, TIC 3213.41 +/- 8	2R3	4	0	5,541,238:12.1	
3502	0	153	05:23:17.066	411KL6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,541,238:15.0	
3503	0	153	05:25:18.400	411KL6C	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5,541,240:15.0	
3504	0	153	05:25:19.066		DMS:	:*RUNDOWN	R7, TRACK 3, FWD, TIC *3242.46 +/- 8	2R3	4	0	5,541,240:16.0	
3505	0	153	05:25:19.066	411KL6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,541,240:16.0	
3506	0	153	05:25:20.266		DMS:	:*READY	RDY, TRACK 3, FWD, TIC *3242.52 +/- 8	2R3	4	0	5,541,240:17.8	
3507	0	153	12:15:39.066		DMS:	:*E4-DELAY	RDY, TRACK *1, FWD, TIC 3242.52 +/- 8	2R3	4	0	5,541,646:00.0	
3508	0	153	12:15:39.066	411KM6A	6DMSC	R7.0	DMS Control Tape runup 7.68kps	2R3	4	0	5,541,646:00.0	
3509	0	153	12:15:45.733		DMS:	:*RUNUP	R7, TRACK *3, FWD, TIC 3242.52 +/- 8	2R3	4	0	5,541,646:10.0	
3510	0	153	12:15:47.133		DMS:	:*RECORD	R7, TRACK 3, FWD, TIC *3242.64 +/- 8	2R3	4	0	5,541,646:12.1	
3511	0	153	12:15:47.133		DMS:	:*AT SPD	R7, TRACK 3, FWD, TIC 3242.64 +/- 8	2R3	4	0	5,541,646:12.1	
3512	0	153	12:15:49.066	411KM6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,541,646:15.0	
3513	0	153	12:17:50.400	411KM6C	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5,541,648:15.0	
3514	0	153	12:17:51.066		DMS:	:*RUNDOWN	R7, TRACK 3, FWD, TIC *3271.69 +/- 8	2R3	4	0	5,541,648:16.0	
3515	0	153	12:17:51.066	411KM6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,541,648:16.0	
3516	0	153	12:17:52.266		DMS:	:*READY	RDY, TRACK 3, FWD, TIC *3271.75 +/- 8	2R3	4	0	5,541,648:17.8	
3517	0	153	19:08:11.066		DMS:	:*E4-DELAY	RDY, TRACK *1, FWD, TIC 3271.75 +/- 8	2R3	4	0	5,542,054:00.0	
3518	0	153	19:08:11.066	411KN6A	6DMSC	R7.0	DMS Control Tape runup 7.68kps	2R3	4	0	5,542,054:00.0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
3519	0	153	19:08:17.733		DMS:	:*RUNUP	R7, TRACK 3, FWD, TIC 3271.75 +/- 8	2R3	4	0	5.542,054:10:0	
3520	0	153	19:08:19.133		DMS:	:*AT SPD	R7, TRACK 3, FWD, TIC 3271.87 +/- 8	2R3	4	0	5.542,054:12:1	
3521	0	153	19:08:19.133		DMS:	:*RECORD	R7, TRACK 3, FWD, TIC 3271.87 +/- 8	2R3	4	0	5.542,054:12:1	
3522	0	153	19:08:21.066	411KN6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5.542,054:15:0	
3523	0	153	19:10:22.400	411KN6C	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5.542,056:15:0	
3524	0	153	19:10:23.066	411KN6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5.542,056:16:0	
3525	0	153	19:10:23.066		DMS:	:*RUNDOWN	R7, TRACK 3, FWD, TIC *3300.91 +/- 8	2R3	4	0	5.542,056:16:0	
3526	0	153	19:10:24.266		DMS:	:*READY	RDY, TRACK 3, FWD, TIC *3300.97 +/- 8	2R3	4	0	5.542,056:17:8	
3527	0	153	22:34:10.333	488BL6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2R3	4	0	5.542,257:66:0	
3528	0	154	02:19:28.333	488BL6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5.542,480:50:0	
3529	0	154	03:53:20.333	488BL6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R3	4	0	5.542,573:35:0	
3530	0	154	03:57:52.333	488BL6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2R3	4	0	5.542,577:79:0	
3531	0	154	04:04:00.333	488BL6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5.542,583:85:0	
3532	0	154	04:26:17.666	488BM6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5.542,605:89:0	
3533	0	154	04:46:40.333	488BM6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R3	4	0	5.542,626:12:0	
3534	0	154	05:33:58.333	488BM6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2R3	4	0	5.542,672:83:0	
3535	0	154	06:01:20.333	488BM6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5.542,699:89:0	
3536	0	154	06:09:10.333	488BM6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5.542,707:66:0	
3537	0	154	09:22:19.000	488BN6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5.542,898:68:0	
3538	0	154	09:32:32.333	488BN6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2R3	4	0	5.542,908:78:0	
3539	0	154	16:15:06.333	411KO6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5.543,307:00:0	
3540	0	154	16:15:06.333		DMS:	:*E4-DELAY	RDY, TRACK *1, FWD, TIC 3300.97 +/- 8	2R3	4	0	5.543,307:00:0	
3541	0	154	16:15:13.000		DMS:	:*RUNUP	R7, TRACK *3, FWD, TIC 3300.97 +/- 8	2R3	4	0	5.543,307:10:0	
3542	0	154	16:15:14.400		DMS:	:*RECORD	R7, TRACK 3, FWD, TIC *3301.09 +/- 8	2R3	4	0	5.543,307:12:1	
3543	0	154	16:15:14.400		DMS:	:*AT SPD	R7, TRACK 3, FWD, TIC 3301.09 +/- 8	2R3	4	0	5.543,307:12:1	
3544	0	154	16:15:16.333	411KO6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5.543,307:15:0	
3545	0	154	16:17:17.666	411KO6C	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5.543,309:15:0	
3546	0	154	16:17:18.333	411KO6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5.543,309:16:0	
3547	0	154	16:17:18.333		DMS:	:*RUNDOWN	R7, TRACK 3, FWD, TIC *3330.14 +/- 8	2R3	4	0	5.543,309:16:0	
3548	0	154	16:17:19.533		DMS:	:*READY	RDY, TRACK 3, FWD, TIC *3330.20 +/- 8	2R3	4	0	5.543,309:17:8	
3549	0	154	22:34:12.333	488BO6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2R3	4	0	5.543,681:85:0	
3550	0	155	02:19:28.333	488BO6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5.543,904:66:0	
3551	0	155	03:50:51.000	488BO6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5.543,995:09:0	
3552	0	155	03:53:20.333	488BO6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5.543,997:51:0	
3553	0	155	04:08:16.333	488BO6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2R3	4	0	5.544,012:30:0	
3554	0	155	04:17:19.666	488BP6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R3	4	0	5.544,021:26:0	
3555	0	155	04:42:24.333	488BP6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5.544,046:08:0	
3556	0	155	15:24:32.266	488BQ6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R3	4	0	5.544,681:15:0	
3557	0	155	15:54:24.266	488BQ6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5.544,710:64:0	
3558	0	155	16:00:00.266	488BQ6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5.544,716:22:0	
3559	0	155	16:13:36.266	488BQ6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5.544,729:63:0	
3560	0	155	16:49:52.266	488BQ6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2R3	4	0	5.544,765:51:0	
3561	0	155	21:24:14.933	488BR6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2R3	4	0	5.545,036:84:0	
3562	0	156	02:13:04.266	488BR6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5.545,322:52:0	
3563	0	156	03:49:04.266	488BS6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	2R3	4	0	5.545,417:47:0	
3564	0	156	04:25:20.266	488BS6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	2R3	4	0	5.545,453:35:0	
3565	0	156	04:42:24.266	488BS6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R3	4	0	5.545,470:24:0	
3566	0	156	05:28:54.266	488BS6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2R3	4	0	5.545,516:23:0	
3567	0	156	05:54:56.266	488BS6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5.545,542:00:0	
3568	0	156	06:03:50.266	488BT6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R3	4	0	5.545,550:73:0	
3569	0	156	14:14:08.266	488BU6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R3	4	0	5.546,035:65:0	
3570	0	156	15:10:19.600	488BU6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2R3	4	0	5.546,091:26:0	
3571	0	156	15:22:24.266	488BU6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2R3	4	0	5.546,103:21:0	
3572	0	156	19:00:00.200	481UF4A	7VECT	BB1	Inert vect update UTC	2R3	4	0	5.546,318:40:0	
3573	0	156	21:24:16.866	488BV6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2R3	4	0	5.546,461:12:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
3574	0	157	02:13:04.200	488BV6B	6TMSED	NORM,AL4	Sci, Eng. and D/L Chan	2R3	4	0	5,546,746:68:0	
3575	0	157	03:39:37.533	488BW6A	6TMSED	FILL,AL4	Sci, Eng. and D/L Chan	2R3	4	0	5,546,832:32:0	
3576	0	157	03:44:48.200	488BW6B	6TMSED	FILL,AL2	Sci, Eng. and D/L Chan	2R3	4	0	5,546,837:43:0	
3577	0	157	04:16:24.866	488BW6C	6TMSED	NORM,AL2	Sci, Eng. and D/L Chan	2R3	4	0	5,546,868:67:0	
3578	0	157	04:36:00.200	488BW6D	6TMSED	NORM,AL3	Sci, Eng. and D/L Chan	2R3	4	0	5,546,888:10:0	
3579	0	157	05:23:52.200	488BW6E	6TMSED	FILL,AL3	Sci, Eng. and D/L Chan	2R3	4	0	5,546,935:41:0	
3580	0	157	05:50:40.200	488BX6A	6TMSED	FILL,AL4	Sci, Eng. and D/L Chan	2R3	4	0	5,546,961:87:0	
3581	0	157	05:58:57.533	488BX6B	6TMSED	NORM,AL4	Sci, Eng. and D/L Chan	2R3	4	0	5,546,970:14:0	
3582	0	157	10:56:51.533	488BX6C	6TMSED	FILL,AL4	Sci, Eng. and D/L Chan	2R3	4	0	5,547,264:71:0	
3583	0	157	11:04:16.200	488BX6D	6TMSED	FILL,AL2	Sci, Eng. and D/L Chan	2R3	4	0	5,547,272:10:0	
3584	0	157	16:04:27.533	411KY6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,547,569:00:0	
3585	0	157	16:04:27.533		DMS:	:*E4-DELAY	RDY, TRACK *1, FWD, TIC 3330.20 +/- 8	2R3	4	0	5,547,569:00:0	
3586	0	157	16:04:34.200		DMS:	:*RUNUP	R7, TRACK *3, FWD, TIC 3330.20 +/- 8	2R3	4	0	5,547,569:10:0	
3587	0	157	16:04:35.600		DMS:	:*RECORD	R7, TRACK 3, FWD, TIC *3330.32 +/- 8	2R3	4	0	5,547,569:12:1	
3588	0	157	16:04:35.600		DMS:	:*AT SPD	R7, TRACK 3, FWD, TIC 3330.32 +/- 8	2R3	4	0	5,547,569:12:1	
3589	0	157	16:04:37.533	411KY6B	6TMREC	BTD	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,547,569:15:0	
3590	0	157	16:06:38.866	411KY6C	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5,547,571:15:0	
3591	0	157	16:06:39.533	411KY6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,547,571:16:0	
3592	0	157	16:06:39.533		DMS:	:*RUNDOWN	R7, TRACK 3, FWD, TIC *3359.37 +/- 8	2R3	4	0	5,547,571:16:0	
3593	0	157	16:06:40.733		DMS:	:*READY	RDY, TRACK 3, FWD, TIC *3359.43 +/- 8	2R3	4	0	5,547,571:17:8	
3594	0	157	21:47:13.533	411KP6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	5,547,908:00:0	
3595	0	157	21:47:13.533		DMS:	:*E4-DELAY	RDY, TRACK *1, FWD, TIC 3359.43 +/- 8	2R3	4	0	5,547,908:00:0	
3596	0	157	21:47:20.200		DMS:	:*RUNUP	R7, TRACK *3, FWD, TIC 3359.43 +/- 8	2R3	4	0	5,547,908:10:0	
3597	0	157	21:47:21.600		DMS:	:*AT SPD	R7, TRACK 3, FWD, TIC 3359.55 +/- 8	2R3	4	0	5,547,908:12:1	
3598	0	157	21:47:21.600		DMS:	:*RECORD	R7, TRACK 3, FWD, TIC *3359.55 +/- 8	2R3	4	0	5,547,908:12:1	
3599	0	157	21:47:23.533	411KP6B	6TMREC	BTD	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	5,547,908:15:0	
3600	0	157	21:49:24.866	411KP6C	6TMREC	NRC	NO RECORD Record Mode Change	2R3	4	0	5,547,910:15:0	
3601	0	157	21:49:25.533	411KP6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	5,547,910:16:0	
3602	0	157	21:49:25.533		DMS:	:*RUNDOWN	R7, TRACK 3, FWD, TIC *3388.59 +/- 8	2R3	4	0	5,547,910:16:0	
3603	0	157	21:49:26.733		DMS:	:*READY	RDY, TRACK 3, FWD, TIC *3388.65 +/- 8	2R3	4	0	5,547,910:17:8	
3604	0	158	03:56:26.800	488BY6A	6TMSED	NORM,AL2	Sci, Eng. and D/L Chan	2R3	4	0	5,548,273:15:0	
3605	0	158	04:01:52.133	488BY6B	6TMSED	NORM,AL3	Sci, Eng. and D/L Chan	2R3	4	0	5,548,278:48:0	
3606	0	158	04:31:44.133	488BY6C	6TMSED	NORM,AL4	Sci, Eng. and D/L Chan	2R3	4	0	5,548,308:06:0	
3607	0	158	08:59:36.800		DMS:	:*E4-DELAY	RDY, TRACK *1, FWD, TIC 3388.65 +/- 8	2R3	4	0	5,548,573:00:0	
3608	0	158	08:59:43.466		DMS:	:*RUNUP	R7, TRACK *3, FWD, TIC 3388.65 +/- 8	2R3	4	0	5,548,573:10:0	
3609	0	158	08:59:44.866		DMS:	:*RECORD	R7, TRACK 3, FWD, TIC *3388.77 +/- 8	2R3	4	0	5,548,573:12:1	
3610	0	158	08:59:44.866		DMS:	:*AT SPD	R7, TRACK 3, FWD, TIC 3388.77 +/- 8	2R3	4	0	5,548,573:12:1	
3611	0	158	09:01:48.800		DMS:	:*RUNDOWN	R7, TRACK 3, FWD, TIC *3417.82 +/- 8	2R3	4	0	5,548,575:16:0	
3612	0	158	09:01:50.000		DMS:	:*READY	RDY, TRACK 3, FWD, TIC *3417.88 +/- 8	2R3	4	0	5,548,575:17:8	
3613	0	158	14:57:29.466	488BZ6A	6TMSED	FILL,AL4	Sci, Eng. and D/L Chan	2R3	4	0	5,548,926:86:0	
3614	0	158	16:00:14.133		DMS:	:*E4-DELAY	RDY, TRACK *1, FWD, TIC 3417.88 +/- 8	2R3	4	0	5,548,989:00:0	
3615	0	158	16:00:20.800		DMS:	:*RUNUP	R7, TRACK *3, FWD, TIC 3417.88 +/- 8	2R3	4	0	5,548,989:10:0	
3616	0	158	16:00:22.200		DMS:	:*AT SPD	R7, TRACK 3, FWD, TIC 3418.00 +/- 8	2R3	4	0	5,548,989:12:1	
3617	0	158	16:00:22.200		DMS:	:*RECORD	R7, TRACK 3, FWD, TIC *3418.00 +/- 8	2R3	4	0	5,548,989:12:1	
3618	0	158	16:02:26.133		DMS:	:*RUNDOWN	R7, TRACK 3, FWD, TIC *3447.05 +/- 8	2R3	4	0	5,548,991:16:0	
3619	0	158	16:02:27.333		DMS:	:*READY	RDY, TRACK 3, FWD, TIC *3447.11 +/- 8	2R3	4	0	5,548,991:17:8	
3620	0	158	21:51:08.133	488CA6A	6TMSED	NORM,AL4	Sci, Eng. and D/L Chan	2R3	4	0	5,549,336:04:0	
3621	0	158	23:25:52.133	488CA6B	6TMSED	FILL,AL4	Sci, Eng. and D/L Chan	2R3	4	0	5,549,429:67:0	
3622	0	158	23:59:31.466	488CA6C	6TMSED	NORM,AL4	Sci, Eng. and D/L Chan	2R3	4	0	5,549,463:02:0	
3623	0	159	01:26:32:266	28NINCHOPOF01-		-----START-----		2R3	4	0	:	:
3624	0	159	01:27:08.800	20FN5A	37PL		Program Load (halts microprocessor & unwri	4	0	5,549,549:62:0		
3625	0	159	01:27:12.133	20FN5B	37MRL		Memory Realocate (software operates from R	4	0	5,549,549:67:0		
3626	0	159	01:27:15.466	20FN6A	6MCOPY	NIMS	NIMS,1000,LLM1A,7300,77F7	4	0	5,549,549:72:0		
3627	0	159	01:27:25.466	20FN6B	6MCOPY	NIMS	NIMS,1598,LLM1A,77F8,781D	4	0	5,549,549:87:0		
3628	0	159	01:27:39.466	20FN5C	37IRT		Instrument Reset (goes into POR state)	4	0	5,549,550:17:0		

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
3629	0	159	01:27:42.800	20FN5D	37MN		Memory Normal (software operates from ROM)	260	4	0	5,549,550:22:0	
3630	0	159	01:28:22.800	20FN4A	37IST	1,2,0,OFF,0,1,0	Chopper ON, Sync, Chopper (Ref)Gain State	2R0	4	0	5,549,550:82:0	
3631	0	159	01:29:24.800	127FN4A	37IOP	3,0	Long Map, Grating Start Position =00	2R3	4	0	5,549,551:84:0	
3632	0	159	01:29:24.800	127FN	NIMSTAB	GS	%%%%GROUP START TAB	2R3	4	0	5,549,551:84:0	
3633	0	159	01:29:25.466	127FN4B	37ETB	04,C4,35,FF,FF	Loads wavelenght edit table	2R3	4	0	5,549,551:85:0	
3634	0	159	01:29:34.133	127FN11A	NIMSTAB	GE	%%%%GROUP END TAB	2R3	4	0	5,549,552:07:0	
3635	0	159	01:34:28.133	127FO4A	37IOP	0,0	Safe, Grating Start Position =00	2R0	4	0	5,549,556:84:0	
3636	0	159	01:34:28.133	127FO	NIMSTAB	GS	%%%%GROUP START TAB	2R0	4	0	5,549,556:84:0	
3637	0	159	01:34:28.800	127FO4B	37ETB	04,C4,02,00,00	Loads wavelenght edit table	2R0	4	0	5,549,556:85:0	
3638	0	159	01:34:37.466	127FO11A	NIMSTAB	GE	%%%%GROUP END TAB	2R0	4	0	5,549,557:07:0	
3639	0	159	01:36:38.933	28NNCHOPOF01-		-----STOP-----		2R0	4	0	:	:
3640	0	159	01:37:30.133	125FN	NIMSNIT	GS	##### GROUP START INIT	2R0	4	0	5,549,559:84:0	
3641	0	159	01:37:30.133	125FN4A	37IST	1,0,0,OFF,0,0,0	Chopper ON, Sync, 63Hz (Ref)	260	4	0	5,549,559:84:0	
3642	0	159	01:38:30.800	125FN4B	37IST	1,1,0,OFF,0,0,0	Chopper OFF, N/A, 63Hz (Ref)	200	4	0	5,549,560:84:0	
3643	0	159	01:39:31.466	125FN4C	37MB	0,0,0,0,0,0	Selects mirror (spatial) edit table	200	4	0	5,549,561:84:0	
3644	0	159	01:39:31.466	125FN11A	NIMSNIT	GE	##### GROUP END INIT	200	4	0	5,549,561:84:0	
3645	0	159	02:19:28.133	488CA6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	200	4	0	5,549,601:39:0	
3646	0	159	03:29:52.133	488CA6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	200	4	0	5,549,671:05:0	
3647	0	159	03:34:11.466	488CB6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	200	4	0	5,549,675:30:0	
3648	0	159	03:51:12.133	488CB6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	200	4	0	5,549,692:14:0	
3649	0	159	03:59:08.133		DMS:	:E4-DELAY	RDY, TRACK *1, FWD, TIC 3447.11 +/- 8	200	4	0	5,549,700:00:0	
3650	0	159	03:59:08.133	411KZ6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	200	4	0	5,549,702:16:0	
3651	0	159	03:59:14.800		DMS:	:RUNUP	R7, TRACK *3, FWD, TIC 3447.11 +/- 8	200	4	0	5,549,700:10:0	
3652	0	159	03:59:16.200		DMS:	:RECORD	R7, TRACK 3, FWD, TIC *3447.23 +/- 8	200	4	0	5,549,700:12:1	
3653	0	159	03:59:16.200		DMS:	:AT SPD	R7, TRACK 3, FWD, TIC 3447.23 +/- 8	200	4	0	5,549,700:12:1	
3654	0	159	03:59:18.133	411KZ6B	6TMREC	BRT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	200	4	0	5,549,700:15:0	
3655	0	159	04:01:19.466	411KZ6C	6TMREC	NRC	NO RECORD Record Mode Change	200	4	0	5,549,702:15:0	
3656	0	159	04:01:20.133	411KZ6D	6DMSC	RDY,0	DMS Control Tape stop	200	4	0	5,549,702:16:0	
3657	0	159	04:01:20.133		DMS:	:RUNDOWN	R7, TRACK 3, FWD, TIC *3476.28 +/- 8	200	4	0	5,549,702:16:0	
3658	0	159	04:01:21.333		DMS:	:READY	RDY, TRACK 3, FWD, TIC *3476.34 +/- 8	200	4	0	5,549,702:17:8	
3659	0	159	08:33:08.800	411KQ6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	200	4	0	5,549,971:00:0	
3660	0	159	08:33:08.800		DMS:	:E4-DELAY	RDY, TRACK *1, FWD, TIC 3476.34 +/- 8	200	4	0	5,549,971:00:0	
3661	0	159	08:33:15.466		DMS:	:RUNUP	R7, TRACK *3, FWD, TIC 3476.34 +/- 8	200	4	0	5,549,971:10:0	
3662	0	159	08:33:16.866		DMS:	:AT SPD	R7, TRACK 3, FWD, TIC 3476.46 +/- 8	200	4	0	5,549,971:12:1	
3663	0	159	08:33:16.866		DMS:	:RECORD	R7, TRACK 3, FWD, TIC *3476.46 +/- 8	200	4	0	5,549,971:12:1	
3664	0	159	08:33:18.800	411KQ6B	6TMREC	BRT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	200	4	0	5,549,971:15:0	
3665	0	159	08:35:20.133	411KQ6C	6TMREC	NRC	NO RECORD Record Mode Change	200	4	0	5,549,973:15:0	
3666	0	159	08:35:20.800		DMS:	:RUNDOWN	R7, TRACK 3, FWD, TIC *3505.50 +/- 8	200	4	0	5,549,973:16:0	
3667	0	159	08:35:20.800	411KQ6D	6DMSC	RDY,0	DMS Control Tape stop	200	4	0	5,549,973:16:0	
3668	0	159	08:35:22.000		DMS:	:READY	RDY, TRACK 3, FWD, TIC *3505.56 +/- 8	200	4	0	5,549,973:17:8	
3669	0	159	15:25:40.733		DMS:	:E4-DELAY	RDY, TRACK *1, FWD, TIC 3505.56 +/- 8	200	4	0	5,550,379:00:0	
3670	0	159	15:25:40.733	411KR6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	200	4	0	5,550,379:00:0	
3671	0	159	15:25:47.400		DMS:	:RUNUP	R7, TRACK *3, FWD, TIC 3505.56 +/- 8	200	4	0	5,550,379:10:0	
3672	0	159	15:25:48.800		DMS:	:AT SPD	R7, TRACK 3, FWD, TIC 3505.68 +/- 8	200	4	0	5,550,379:12:1	
3673	0	159	15:25:48.800		DMS:	:RECORD	R7, TRACK 3, FWD, TIC *3505.68 +/- 8	200	4	0	5,550,379:12:1	
3674	0	159	15:25:50.733	411KR6B	6TMREC	BRT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	200	4	0	5,550,379:15:0	
3675	0	159	15:27:52.066	411KR6C	6TMREC	NRC	NO RECORD Record Mode Change	200	4	0	5,550,381:15:0	
3676	0	159	15:27:52.733	411KR6D	6DMSC	RDY,0	DMS Control Tape stop	200	4	0	5,550,381:16:0	
3677	0	159	15:27:52.733		DMS:	:RUNDOWN	R7, TRACK 3, FWD, TIC *3534.73 +/- 8	200	4	0	5,550,381:16:0	
3678	0	159	15:27:53.933		DMS:	:READY	RDY, TRACK 3, FWD, TIC *3534.79 +/- 8	200	4	0	5,550,381:17:8	
3679	0	159	19:37:31.400	488CC6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	200	4	0	5,550,628:07:0	
3680	0	159	19:46:56.066	488CC6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	200	4	0	5,550,637:35:0	
3681	0	159	21:05:52.066	488CC6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	200	4	0	5,550,715:41:0	
3682	0	160	02:08:48.066	488CD6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	200	4	0	5,551,015:05:0	
3683	0	160	03:36:29.400	488CD6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	200	4	0	5,551,101:17:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
3684	0	160	03:38:24.066	488CD6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	200	4	0	5.551,103:61:0	
3685	0	160	03:53:20.066	488CD6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	200	4	0	5.551,118:40:0	
3686	0	160	10:29:14.733	411KS6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	200	4	0	5.551,510:00:0	
3687	0	160	10:29:14.733		DMS:	:*E4-DELAY	RDY, TRACK *1, FWD, TIC 3534.79 +/- 8	200	4	0	5.551,510:00:0	
3688	0	160	10:29:21.400		DMS:	:*RUNUP	R7, TRACK *3, FWD, TIC 3534.79 +/- 8	200	4	0	5.551,510:10:0	
3689	0	160	10:29:22.800		DMS:	:*RECORD	R7, TRACK 3, FWD, TIC 3534.91 +/- 8	200	4	0	5.551,510:12:1	
3690	0	160	10:29:22.800		DMS:	:*AT SPD	R7, TRACK 3, FWD, TIC 3534.91 +/- 8	200	4	0	5.551,510:12:1	
3691	0	160	10:29:24.733	411KS6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	200	4	0	5.551,510:15:0	
3692	0	160	10:31:26.066	411KS6C	6TMREC	NRC	NO RECORD Record Mode Change	200	4	0	5.551,512:15:0	
3693	0	160	10:31:26.733	411KS6D	6DMSC	RDY,0	DMS Control Tape stop	200	4	0	5.551,512:16:0	
3694	0	160	10:31:26.733		DMS:	:*RUNDOWN	R7, TRACK 3, FWD, TIC 3563.96 +/- 8	200	4	0	5.551,512:16:0	
3695	0	160	10:31:27.933		DMS:	:*READY	RDY, TRACK 3, FWD, TIC 3564.02 +/- 8	200	4	0	5.551,512:17:8	
3696	0	160	17:21:46.733		DMS:	:*E4-DELAY	RDY, TRACK *1, FWD, TIC 3564.02 +/- 8	200	4	0	5.551,918:00:0	
3697	0	160	17:21:46.733	411KT6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	200	4	0	5.551,918:00:0	
3698	0	160	17:21:53.400		DMS:	:*RUNUP	R7, TRACK *3, FWD, TIC 3564.02 +/- 8	200	4	0	5.551,918:10:0	
3699	0	160	17:21:54.800		DMS:	:*AT SPD	R7, TRACK 3, FWD, TIC 3564.14 +/- 8	200	4	0	5.551,918:12:1	
3700	0	160	17:21:54.800		DMS:	:*RECORD	R7, TRACK 3, FWD, TIC 3564.14 +/- 8	200	4	0	5.551,918:12:1	
3701	0	160	17:21:56.733	411KT6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	200	4	0	5.551,918:15:0	
3702	0	160	17:23:58.066	411KT6C	6TMREC	NRC	NO RECORD Record Mode Change	200	4	0	5.551,920:15:0	
3703	0	160	17:23:58.733	411KT6D	6DMSC	RDY,0	DMS Control Tape stop	200	4	0	5.551,920:16:0	
3704	0	160	17:23:58.733		DMS:	:*RUNDOWN	R7, TRACK 3, FWD, TIC 3593.18 +/- 8	200	4	0	5.551,920:16:0	
3705	0	160	17:23:59.933		DMS:	:*READY	RDY, TRACK 3, FWD, TIC 3593.24 +/- 8	200	4	0	5.551,920:17:8	
3706	0	160	19:32:33.400	488CE6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	200	4	0	5.552,047:31:0	
3707	0	160	19:42:40.066	488CE6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	200	4	0	5.552,057:31:0	
3708	0	160	21:01:36.066	488CE6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	200	4	0	5.552,135:37:0	
3709	0	161	00:00:08.000	431ZL6A	6RCDL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	200	4	0	5.552,311:89:0	
3710	0	161	00:00:08.666	488CE6D	6TMSED	NORM,CL5	Sci, Eng, and D/L Chan	200	4	0	5.552,311:90:0	
3711	0	161	00:00:09.333	432ZL6A	6RTSL1		R/T Select of DDS and	200	4	0	5.552,312:00:0	
3712	0	161	00:05:12.000	20ZM6A	6EUVON			200	4	0	5.552,316:90:0	
3713	0	161	00:05:12.666	431ZM6A	6RCSEL	DDSNCG,PLSNCG,EP	Record Select (DDS onl	200	4	0	5.552,317:00:0	
3714	0	161	02:04:32.000	488CF6A	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	200	4	0	5.552,435:01:0	
3715	0	161	03:34:08.000	488CF6B	6TMSED	NORM,CL2	Sci, Eng, and D/L Chan	200	4	0	5.552,523:57:0	
3716	0	161	04:12:32.000	488CF6C	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	200	4	0	5.552,561:55:0	
3717	0	161	05:08:41.333	488CF6D	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	200	4	0	5.552,617:13:0	
3718	0	161	05:35:44.000	488CF6E	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	200	4	0	5.552,643:81:0	
3719	0	161	05:43:49.333	488CG6A	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	200	4	0	5.552,651:81:0	
3720	0	161	08:52:36.000	488CG6B	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	200	4	0	5.552,838:54:0	
3721	0	161	09:02:40.000	488CG6C	6TMSED	FILL,CL5	Sci, Eng, and D/L Chan	200	4	0	5.552,848:50:0	
3722	0	161	13:44:12.666	411LA6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	200	4	0	5.553,127:00:0	
3723	0	161	13:44:12.666		DMS:	:*E4-DELAY	RDY, TRACK *1, FWD, TIC 3593.24 +/- 8	200	4	0	5.553,127:00:0	
3724	0	161	13:44:19.333		DMS:	:*RUNUP	R7, TRACK *3, FWD, TIC 3593.24 +/- 8	200	4	0	5.553,127:10:0	
3725	0	161	13:44:20.733		DMS:	:*RECORD	R7, TRACK 3, FWD, TIC 3593.36 +/- 8	200	4	0	5.553,127:12:1	
3726	0	161	13:44:20.733		DMS:	:*AT SPD	R7, TRACK 3, FWD, TIC 3593.36 +/- 8	200	4	0	5.553,127:12:1	
3727	0	161	13:44:22.666	411LA6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	200	4	0	5.553,127:15:0	
3728	0	161	13:46:24.000	411LA6C	6TMREC	NRC	NO RECORD Record Mode Change	200	4	0	5.553,129:15:0	
3729	0	161	13:46:24.666		DMS:	:*RUNDOWN	R7, TRACK 3, FWD, TIC 3622.41 +/- 8	200	4	0	5.553,129:16:0	
3730	0	161	13:46:24.666	411LA6D	6DMSC	RDY,0	DMS Control Tape stop	200	4	0	5.553,129:16:0	
3731	0	161	13:46:25.866		DMS:	:*READY	RDY, TRACK 3, FWD, TIC 3622.47 +/- 8	200	4	0	5.553,129:17:8	
3732	0	161	17:59:00.666	411LE6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	200	4	0	5.553,379:00:0	
3733	0	161	17:59:00.666		DMS:	:*E4-DELAY	RDY, TRACK *1, FWD, TIC 3622.47 +/- 8	200	4	0	5.553,379:00:0	
3734	0	161	17:59:07.333		DMS:	:*RUNUP	R7, TRACK *3, FWD, TIC 3622.47 +/- 8	200	4	0	5.553,379:10:0	
3735	0	161	17:59:08.733		DMS:	:*AT SPD	R7, TRACK 3, FWD, TIC 3622.59 +/- 8	200	4	0	5.553,379:12:1	
3736	0	161	17:59:08.733		DMS:	:*RECORD	R7, TRACK 3, FWD, TIC 3622.59 +/- 8	200	4	0	5.553,379:12:1	
3737	0	161	17:59:10.666	411LE6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	200	4	0	5.553,379:15:0	
3738	0	161	18:07:12.000	411LE6C	6TMREC	NRC	NO RECORD Record Mode Change	200	4	0	5.553,381:15:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MFI
3739	0	161	18:01:12.666	411LE6D	6DMSC	RDY,0	DMS Control Tape stop	200	4	0	5,553,381:16:0	
3740	0	161	18:01:12.666		DMS:	:*RUNDOWN	R7, TRACK 3, FWD, TIC *3651.64 +/- 8	200	4	0	5,553,381:16:0	
3741	0	161	18:01:13.866		DMS:	:*READY	RDY, TRACK 3, FWD, TIC *3651.70 +/- 8	200	4	0	5,553,381:17:8	
3742	0	161	21:04:29.333	488CH6A	6TMSED	NORM,CL5	Sci, Eng, and D/L Chan	200	4	0	5,553,562:40:0	
3743	0	162	02:00:16.000	488CH6B	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	200	4	0	5,553,854:88:0	
3744	0	162	03:29:52.000	488C16A	6TMSED	NORM,CL2	Sci, Eng, and D/L Chan	200	4	0	5,553,943:53:0	
3745	0	162	04:06:08.000	488C16B	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	200	4	0	5,553,979:41:0	
3746	0	162	05:03:38.666	488C16C	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	200	4	0	5,554,036:30:0	
3747	0	162	05:29:20.000	488C16D	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	200	4	0	5,554,061:67:0	
3748	0	162	05:38:30.000	488C16E	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	200	4	0	5,554,070:73:0	
3749	0	162	13:54:55.933	488C16A	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	200	4	0	5,554,561:71:0	
3750	0	162	15:10:35.266	488C16B	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	200	4	0	5,554,636:55:0	
3751	0	162	19:27:39.266	488C16C	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	200	4	0	5,554,890:77:0	
3752	0	162	19:36:15.933	488C16D	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	200	4	0	5,554,899:33:0	
3753	0	162	21:01:35.933	488CK6A	6TMSED	NORM,CL5	Sci, Eng, and D/L Chan	200	4	0	5,554,983:69:0	
3754	0	163	01:53:51.933	488CK6B	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	200	4	0	5,555,272:74:0	
3755	0	163	03:23:27.933	488CL6A	6TMSED	NORM,CL2	Sci, Eng, and D/L Chan	200	4	0	5,555,361:39:0	
3756	0	163	03:53:19.933	488CL6B	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	200	4	0	5,555,390:88:0	
3757	0	163	04:16:47.933	488CL6C	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	200	4	0	5,555,414:16:0	
3758	0	163	14:58:55.933	488CM6A	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	200	4	0	5,556,049:23:0	
3759	0	163	15:10:28.600	488CM6B	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	200	4	0	5,556,060:61:0	
3760	0	163	15:20:15.933	488CM6C	6TMSED	FILL,CL2	Sci, Eng, and D/L Chan	200	4	0	5,556,070:32:0	
3761	0	163	19:26:43.200	488CM6D	6TMSED	NORM,CL2	Sci, Eng, and D/L Chan	200	4	0	5,556,314:09:0	
3762	0	163	19:42:39.866	488CM6E	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	200	4	0	5,556,329:79:0	
3763	0	163	20:43:34.533	488CN6A	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	200	4	0	5,556,390:10:0	
3764	0	163	21:10:07.866	488CN6B	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	200	4	0	5,556,416:34:0	
3765	0	163	21:18:36.533	488CN6C	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	200	4	0	5,556,424:69:0	
3766	0	164	01:49:35.866	488CN6D	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	200	4	0	5,556,692:70:0	
3767	0	164	02:50:23.200	488CO6A	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	200	4	0	5,556,752:81:0	
3768	0	164	02:59:59.866	488CO6B	6TMSED	FILL,CL2	Sci, Eng, and D/L Chan	200	4	0	5,556,762:36:0	
3769	0	164	03:31:43.866	488CO6C	6TMSED	NORM,CL2	Sci, Eng, and D/L Chan	200	4	0	5,556,793:71:0	
3770	0	164	03:36:15.866	488CO6D	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	200	4	0	5,556,798:24:0	
3771	0	164	04:16:47.866	488CO6E	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	200	4	0	5,556,838:32:0	
3772	0	164	04:30:38.533	488CP6A	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	200	4	0	5,556,852:04:0	
3773	0	164	04:59:55.200	411LB6A	6DMSC	RDY,0	DMS Control Tape stop	200	4	0	5,556,881:00:0	
3774	0	164	04:59:55.200		DMS:	:*E4-DELAY	RDY, TRACK *1, FWD, TIC 3651.70 +/- 8	200	4	0	5,556,881:00:0	
3775	0	164	05:00:01.866		DMS:	:*RUNUP	R7, TRACK *3, FWD, TIC 3651.70 +/- 8	200	4	0	5,556,881:10:0	
3776	0	164	05:00:03.266		DMS:	:*RECORD	R7, TRACK 3, FWD, TIC *3651.82 +/- 8	200	4	0	5,556,881:12:1	
3777	0	164	05:00:03.266		DMS:	:*AT_SPD	R7, TRACK 3, FWD, TIC 3651.82 +/- 8	200	4	0	5,556,881:12:1	
3778	0	164	05:00:05.200	411LB6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	200	4	0	5,556,881:15:0	
3779	0	164	05:02:06.533	411LB6C	6TMREC	NRC	NO RECORD Record Mode Change	200	4	0	5,556,883:15:0	
3780	0	164	05:02:07.200	411LB6D	6DMSC	RDY,0	DMS Control Tape stop	200	4	0	5,556,883:16:0	
3781	0	164	05:02:07.200		DMS:	:*RUNDOWN	R7, TRACK 3, FWD, TIC *3680.86 +/- 8	200	4	0	5,556,883:16:0	
3782	0	164	05:02:08.400		DMS:	:*READY	RDY, TRACK 3, FWD, TIC *3680.92 +/- 8	200	4	0	5,556,883:17:8	
3783	0	164	05:04:17.200	488CP6B	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	200	4	0	5,556,885:29:0	
3784	0	164	13:41:39.200	488CO6A	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	200	4	0	5,557,397:00:0	
3785	0	164	13:48:31.866	488CO6B	6TMSED	FILL,CL2	Sci, Eng, and D/L Chan	200	4	0	5,557,403:73:0	
3786	0	164	19:09:15.200	411KU6A	6DMSC	RDY,0	DMS Control Tape stop	200	4	0	5,557,721:00:0	
3787	0	164	19:09:15.200		DMS:	:*E4-DELAY	RDY, TRACK *1, FWD, TIC 3680.92 +/- 8	200	4	0	5,557,721:00:0	
3788	0	164	19:09:21.866		DMS:	:*RUNUP	R7, TRACK *3, FWD, TIC 3680.92 +/- 8	200	4	0	5,557,721:10:0	
3789	0	164	19:09:23.266		DMS:	:*AT_SPD	R7, TRACK 3, FWD, TIC 3681.04 +/- 8	200	4	0	5,557,721:12:1	
3790	0	164	19:09:23.266		DMS:	:*RECORD	R7, TRACK 3, FWD, TIC *3681.04 +/- 8	200	4	0	5,557,721:12:1	
3791	0	164	19:09:25.200	411KU6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	200	4	0	5,557,721:15:0	
3792	0	164	19:11:26.533	411KU6C	6TMREC	NRC	NO RECORD Record Mode Change	200	4	0	5,557,723:15:0	
3793	0	164	19:11:27.200	411KU6D	6DMSC	RDY,0	DMS Control Tape stop	200	4	0	5,557,723:16:0	

Line	YR	DOY	SCET - GMT	PSID	Command Parameters	Description	GCM	GO	GS	RIM	MF I
3794	0	164	19:11:27.200		DMS: : *RUNDOWN	R7, TRACK 3, FWD, TIC *3710.09 +/- 8	200	4	0	5.557,723:16:0	
3795	0	164	19:11:28.400		DMS: : *READY	RDY, TRACK 3, FWD, TIC *3710.15 +/- 8	200	4	0	5.557,723:17:8	
3796	0	165	00:23:42.533	411LC6A	6DMSC R7.0	DMS Control Tape runup 7.68kps	200	4	0	5.558,032:00:0	
3797	0	165	00:23:42.533		DMS: : *E4-DELAY	RDY, TRACK *1, FWD, TIC 3710.15 +/- 8	200	4	0	5.558,032:00:0	
3798	0	165	00:23:49.200		DMS: : *RUNUP	R7, TRACK *3, FWD, TIC 3710.15 +/- 8	200	4	0	5.558,032:10:0	
3799	0	165	00:23:50.600		DMS: : *RECORD	R7, TRACK 3, FWD, TIC *3710.27 +/- 8	200	4	0	5.558,032:12:1	
3800	0	165	00:23:50.600		DMS: : *AT SPD	R7, TRACK 3, FWD, TIC 3710.27 +/- 8	200	4	0	5.558,032:12:1	
3801	0	165	00:23:52.533	411LC6B	6TMREC BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	200	4	0	5.558,032:15:0	
3802	0	165	00:25:53.866	411LC6C	6TMREC RDY,0	NO RECORD Record Mode Change	200	4	0	5.558,034:15:0	
3803	0	165	00:25:54.533	411LC6D	6DMSC	DMS Control Tape stop	200	4	0	5.558,034:16:0	
3804	0	165	00:25:54.533		DMS: : *RUNDOWN	R7, TRACK 3, FWD, TIC *3739.32 +/- 8	200	4	0	5.558,034:16:0	
3805	0	165	00:25:55.733		DMS: : *READY	RDY, TRACK 3, FWD, TIC *3739.38 +/- 8	200	4	0	5.558,034:17:8	
3806	0	165	03:51:46.533	488CR6A	6TMSED NORM,CL2	Sci, Eng, and D/L Chan	200	4	0	5.558,237:7:1:0	
3807	0	165	04:01:51.866	488CR6B	6TMSED NORM,CL3	Sci, Eng, and D/L Chan	200	4	0	5.558,247:69:0	
3808	0	165	05:18:29.800	488CR6C	6TMSED FILL,CL3	Sci, Eng, and D/L Chan	200	4	0	5.558,323:50:0	
3809	0	165	05:44:15.800	488CR6D	6TMSED FILL,CL4	Sci, Eng, and D/L Chan	200	4	0	5.558,349:03:0	
3810	0	165	05:53:21.800	488CR6E	6TMSED NORM,CL4	Sci, Eng, and D/L Chan	200	4	0	5.558,358:03:0	
3811	0	165	10:59:59.800	481UG4A	7VECT BB1	Inert vect update UTC	200	4	0	5.558,661:27:0	
3812	0	165	13:33:35.800	488CS6A	6TMSED NORM,CL3	Sci, Eng, and D/L Chan	200	4	0	5.558,813:19:0	
3813	0	165	14:55:33.800	488CS6B	6TMSED FILL,CL3	Sci, Eng, and D/L Chan	200	4	0	5.558,894:25:0	
3814	0	165	15:05:19.800	488CS6C	6TMSED FILL,CL2	Sci, Eng, and D/L Chan	200	4	0	5.558,903:85:0	
3815	0	165	17:34:01.800	411LD6A	6DMSC R7.0	DMS Control Tape runup 7.68kps	200	4	0	5.559,051:00:0	
3816	0	165	17:34:01.800		DMS: : *E4-DELAY	RDY, TRACK *1, FWD, TIC 3739.38 +/- 8	200	4	0	5.559,051:00:0	
3817	0	165	17:34:09.866		DMS: : *RUNUP	R7, TRACK *3, FWD, TIC 3739.38 +/- 8	200	4	0	5.559,051:10:0	
3818	0	165	17:34:09.866		DMS: : *RECORD	R7, TRACK 3, FWD, TIC *3739.50 +/- 8	200	4	0	5.559,051:12:1	
3819	0	165	17:34:09.866		DMS: : *AT SPD	R7, TRACK 3, FWD, TIC 3739.50 +/- 8	200	4	0	5.559,051:12:1	
3820	0	165	17:34:11.800	411LD6B	6TMREC BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	200	4	0	5.559,051:15:0	
3821	0	165	17:36:13.133	411LD6C	6TMREC NRC	NO RECORD Record Mode Change	200	4	0	5.559,053:15:0	
3822	0	165	17:36:13.800	411LD6D	6DMSC RDY,0	DMS Control Tape stop	200	4	0	5.559,053:16:0	
3823	0	165	17:36:13.800		DMS: : *RUNDOWN	R7, TRACK 3, FWD, TIC *3768.54 +/- 8	200	4	0	5.559,053:16:0	
3824	0	165	17:36:15.000		DMS: : *READY	RDY, TRACK 3, FWD, TIC *3768.60 +/- 8	200	4	0	5.559,053:17:8	
3825	0	165	19:21:49.133	488CS6D	6TMSED NORM,CL2	Sci, Eng, and D/L Chan	200	4	0	5.559,157:55:0	
3826	0	165	19:36:15.800	488CT6A	6TMSED NORM,CL3	Sci, Eng, and D/L Chan	200	4	0	5.559,171:81:0	
3827	0	165	20:38:27.800	488CT6B	6TMSED FILL,CL3	Sci, Eng, and D/L Chan	200	4	0	5.559,233:37:0	
3828	0	165	21:10:07.133	488CT6C	6TMSED FILL,CL4	Sci, Eng, and D/L Chan	200	4	0	5.559,264:65:0	
3829	0	165	21:14:30.466	488CT6D	6TMSED NORM,CL4	Sci, Eng, and D/L Chan	200	4	0	5.559,269:05:0	
3830	0	165	22:57:33.800	432JD6B	6RTDS2 NIMNCG,AACDSL,RT	AACS DESELECT	200	4	0	5.559,370:89:0	
3831	0	165	22:57:58.466	488CT6E	6TMSED NORM,CL4	Sci, Eng, and D/L Chan	200	4	0	5.559,371:35:0	
3832	0	165	22:59:59.800		DMS: : READY	RDY, TRACK 3, FWD, TIC 3768.60 +/- 8	200	4	0	5.559,373:35:0	
3833	0	165	23:00:00.000	20A3FA	37F1PR Final Condition	Radiator Flash Heater OFF (primary relay)	200	4	0	5.559,373:35:3	
3834	0	165	23:00:00.000	20A3EZ	37C2PR Final Condition	Optics Heater 2 OFF (primary relay)	200	4	0	5.559,373:35:3	
3835	0	165	23:00:00.000	20A3EY	37C1PR Final Condition	Optics Heater 1 OFF (primary relay)	200	4	0	5.559,373:35:3	
3836	0	165	23:00:00.000	20A3EX	37HR Final Condition	Replacement Heaters OFF	200	4	0	5.559,373:35:3	
3837	0	165	23:00:00.000	20A3EW	37A Final Condition	NIMS Power ON	200	4	0	5.559,373:35:3	
3838	0	165	23:00:00.000	20A3FB	37F2PR Final Condition	Shield Flash Heater OFF (primary relay)	200	4	0	5.559,373:35:3	
3839	0	165	23:00:00.000	20A3FD	40HRPR Final Condition	RCT Heater OFF (primary relay)	200	4	0	5.559,373:35:3	
3840	0	165	23:00:00.000	20A3FE	40T1PR Final Condition	PCT Heater 1 OFF (primary relay)	200	4	0	5.559,373:35:3	
3841	0	165	23:00:00.000	20A3FF	40T2R Final Condition	PCT Heater 2 OFF	200	4	0	5.559,373:35:3	

Sequence:		G28B-AR		Created: 4/6/01		Begin: 00-165/23:00:00		Finish: 00-227/04:00:00				
Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1	0	165	22:59:59.800		DMS:	: READY	RDY, TRACK 3, FWD, TIC 3768.60 +/- 8	200	4	0	5,559,373:35:0	
2	0	165	23:00:00.000	20A3FF	40T2R	CMD,40T2R,20A3FF	PCT Heater 2 OFF	200	4	0	5,559,373:35:3	
3	0	165	23:00:00.000	20A3EW	37A	CMD,37A,20A3EW,,	NIMS Power ON	200	4	0	5,559,373:35:3	
4	0	165	23:00:00.000	20A3EX	37HR	CMD,37HR,20A3EX,	Replacement Heaters OFF	200	4	0	5,559,373:35:3	
5	0	165	23:00:00.000	20A3EY	37C1PR	CMD,37C1PR,20A3E	Optics Heater 1 OFF (primary relay)	200	4	0	5,559,373:35:3	
6	0	165	23:00:00.000	20A3EZ	37C2PR	CMD,37C2PR,20A3E	Optics Heater 2 OFF (primary relay)	200	4	0	5,559,373:35:3	
7	0	165	23:00:00.000	20A3FA	37F1PR	CMD,37F1PR,20A3F	Radiator Flash Heater OFF (primary relay)	200	4	0	5,559,373:35:3	
8	0	165	23:00:00.000	20A3FB	37F2PR	CMD,37F2PR,20A3F	Shield Flash Heater OFF (primary relay)	200	4	0	5,559,373:35:3	
9	0	165	23:00:00.000	20A3FD	40HRPR	CMD,40HRPR,20A3F	RCT Heater OFF (primary relay)	200	4	0	5,559,373:35:3	
10	0	165	23:00:00.000	20A3FE	40T1PR	CMD,40T1PR,20A3F	PCT Heater 1 OFF (primary relay)	200	4	0	5,559,373:35:3	
11	0	165	23:01:03.800	488AA6A	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	200	4	0	5,559,374:40:0	
12	0	165	23:01:37.133	432MB431A6A	6RCDSL	DDSDSL,PLSNCG,EP	Record Deselect (DDS o	200	4	0	5,559,374:90:0	
13	0	165	23:01:37.800	432MB6A	6RTSL1		RIT Select of DDS and	200	4	0	5,559,375:00:0	
14	0	165	23:02:13.133	488AA6B	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	200	4	0	5,559,375:53:0	
15	0	165	23:27:55.133		DMS:	: *SLEW-TIC	P7, TRACK *2, *REV, TIC 3768.60 +/- 8	200	4	0	5,559,401:00:0	
16	0	165	23:27:55.133	465SX6A	6DMST		325 DMS Slew to TIC	200	4	0	5,559,401:00:0	
17	0	165	23:27:55.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3768.60 +/- 8	200	4	0	5,559,401:00:0	
18	0	165	23:27:56.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3768.72 +/- 8	200	4	0	5,559,401:02:1	
19	0	165	23:28:01.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3769.96 +/- 8	200	4	0	5,559,401:10:0	
20	0	165	23:28:03.000		DMS:	: *RUNUP	P7, TRACK *2, *REV, TIC *3770.02 +/- 8	200	4	0	5,559,401:11:8	
21	0	165	23:28:04.400		DMS:	: *AT_SPD	P7, TRACK 2, REV, TIC *3769.90 +/- 8	200	4	0	5,559,401:13:9	
22	0	166	01:19:43.800	488AA6C	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	200	4	0	5,559,511:53:0	
23	0	166	02:45:45.800	488AA6D	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	200	4	0	5,559,596:61:0	
24	0	166	02:57:51.800	488AA6E	6TMSED	FILL,CL5	Sci, Eng, and D/L Chan	200	4	0	5,559,608:58:0	
25	0	166	03:32:52.600		DMS:	: *RUNDOWN	P7, TRACK 2, REV, TIC *327.06 +/- 8	200	4	0	5,559,643:24:2	
26	0	166	03:32:53.800		DMS:	: *READY	RDY, TRACK 2, REV, TIC *327.00 +/- 8	200	4	0	5,559,643:26:0	
27	0	166	06:24:29.800		DMS:	: READY	RDY, TRACK *4, REV, TIC 327.00 +/- 8	200	4	0	5,559,813:00:0	
28	0	166	06:24:29.800	465KA6A	6DMSC	RDY,4	DMS Control Tape stop	200	4	0	5,559,813:00:0	
29	0	166	06:26:24.466	465SY6A	6DTRN	CMD,6DTRN,465SY6	DMS TRACK TURNAROUND	200	4	0	5,559,814:81:0	
30	0	166	06:26:24.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 327.00 +/- 8	200	4	0	5,559,814:81:0	
31	0	166	06:26:24.466		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 327.00 +/- 8	200	4	0	5,559,814:81:0	
32	0	166	06:26:25.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *327.12 +/- 8	200	4	0	5,559,814:83:1	
33	0	166	06:26:31.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *328.35 +/- 8	200	4	0	5,559,815:00:0	
34	0	166	06:26:32.333		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC *328.41 +/- 8	200	4	0	5,559,815:01:8	
35	0	166	06:26:33.733		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC *328.29 +/- 8	200	4	0	5,559,815:03:9	
36	0	166	06:35:41.600		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC *199.87 +/- 8	200	4	0	5,559,824:06:7	
37	0	166	06:35:42.800		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC *199.81 +/- 8	200	4	0	5,559,824:08:5	
38	0	166	06:35:42.800		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/- 8	200	4	0	5,559,824:08:5	
39	0	166	06:35:44.200		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC *199.93 +/-	200	4	0	5,559,824:10:6	
40	0	166	06:35:56.200		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC *202.06 +/-	200	4	0	5,559,824:28:6	
41	0	166	06:35:57.400		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *202.12 +/-	200	4	0	5,559,824:30:4	
42	0	166	15:02:11.066	465VA6A	6DMST		5000 DMS Slew to TIC	200	4	0	5,560,325:00:0	
43	0	166	15:02:11.066		DMS:	: *TURNARND	P7, TRACK 1, FWD, TIC 202.12 +/-	200	4	0	5,560,325:00:0	
44	0	166	15:02:11.066		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	200	4	0	5,560,325:00:0	
45	0	166	15:02:11.066		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 202.12 +/-	200	4	0	5,560,325:00:0	
46	0	166	15:02:17.733		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 202.12 +/-	200	4	0	5,560,325:10:0	
47	0	166	15:02:19.133		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC *202.24 +/-	200	4	0	5,560,325:12:1	
48	0	166	20:43:19.866		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *4997.94 +/-	200	4	0	5,560,662:36:2	
49	0	166	20:43:21.066		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4998.00 +/-	200	4	0	5,560,662:38:0	
50	0	166	20:55:52.400	465VB6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kpbs	200	4	0	5,560,674:73:0	
51	0	166	20:55:52.400		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 4998.00 +/-	200	4	0	5,560,674:73:0	
52	0	166	20:55:53.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4998.12 +/-	200	4	0	5,560,674:75:1	
53	0	166	20:55:59.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4999.35 +/-	200	4	0	5,560,674:83:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
54	0	166	20:56:00.266		DMS:	: *RUNUP	P100, TRACK 4, *REV, TIC *4999.41 +/-	200	4	0	5,560,674:84:8	
55	0	166	20:56:04.133		DMS:	: *AT SPD	P100, TRACK 4, REV, TIC 4993.91 +/-	200	4	0	5,560,674:90:6	
56	0	166	20:56:04.133		DMS:	: *P SLEW	P100, TRACK 4, REV, TIC *4993.91 +/-	200	4	0	5,560,674:90:6	
57	0	166	21:21:44.400		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 255.79 +/-	200	4	0	5,560,700:35:0	
58	0	166	21:21:44.400	465VB6B	6DMSC	RDY,4	DMS Control Tape stop	200	4	0	5,560,700:35:0	
59	0	166	21:21:45.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 254.99 +/-	200	4	0	5,560,700:36:8	
60	0	166	21:44:45.733	488AB6A	6TMSED	NORM,CL5	Sci, Eng, and D/L Chan	200	4	0	5,560,723:14:0	
61	0	166	23:21:33.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 254.99 +/-	200	4	0	5,560,818:81:0	
62	0	166	23:21:33.733	465VC6A	6DTRN	CMD,6DTRN,465VC6	DMS TRACK TURNAROUND	200	4	0	5,560,818:81:0	
63	0	166	23:21:33.733		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 254.99 +/-	200	4	0	5,560,818:81:0	
64	0	166	23:21:35.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 255.11 +/-	200	4	0	5,560,818:83:1	
65	0	166	23:21:40.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 256.34 +/-	200	4	0	5,560,819:00:0	
66	0	166	23:21:41.600		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 256.40 +/-	200	4	0	5,560,819:01:8	
67	0	166	23:21:43.000		DMS:	: *AT SPD	P7, TRACK 4, REV, TIC * 256.28 +/-	200	4	0	5,560,819:03:9	
68	0	166	23:25:09.066	488AB6B	6TMSED	NORM,CH5	Sci, Eng, and D/L Chan	200	4	0	5,560,822:40:0	
69	0	166	23:25:43.666		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	200	4	0	5,560,823:00:9	
70	0	166	23:25:44.866		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	200	4	0	5,560,823:02:7	
71	0	166	23:25:44.866		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	200	4	0	5,560,823:02:7	
72	0	166	23:25:46.266		DMS:	: *AT SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	200	4	0	5,560,823:04:8	
73	0	166	23:25:58.266		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	200	4	0	5,560,823:22:8	
74	0	166	23:25:59.466		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	200	4	0	5,560,823:24:6	
75	0	166	23:31:36.400	465VD6A	6DMSC	P100,1	DMS Control Tape P/B 100.8kbps	200	4	0	5,560,828:75:0	
76	0	166	23:31:36.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	200	4	0	5,560,828:75:0	
77	0	166	23:31:43.066		DMS:	: *RUNUP	P100, TRACK 1, FWD, TIC 202.12 +/-	200	4	0	5,560,828:85:0	
78	0	166	23:31:46.933		DMS:	: *P SLEW	P100, TRACK 1, FWD, TIC * 207.62 +/-	200	4	0	5,560,828:90:8	
79	0	166	23:31:46.933		DMS:	: *AT SPD	P100, TRACK 1, FWD, TIC 207.62 +/-	200	4	0	5,560,828:90:8	
80	0	167	00:03:30.400	465VD6B	6DMSC	RDY,1	DMS Control Tape stop	200	4	0	5,560,860:34:0	
81	0	167	00:03:30.400		DMS:	: *RUNDOWN	P100, TRACK 1, FWD, TIC *6063.01 +/-	200	4	0	5,560,860:34:0	
82	0	167	00:03:31.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *6063.81 +/-	200	4	0	5,560,860:35:8	
83	0	167	00:19:06.400		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 6063.81 +/-	200	4	0	5,560,875:73:0	
84	0	167	00:19:06.400	465VE6A	6DMSC	P100,2	DMS Control Tape P/B 100.8kbps	200	4	0	5,560,875:73:0	
85	0	167	00:19:07.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.93 +/-	200	4	0	5,560,875:75:1	
86	0	167	00:19:13.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6065.17 +/-	200	4	0	5,560,875:83:0	
87	0	167	00:19:14.266		DMS:	: *RUNUP	P100, TRACK *2, *REV, TIC *6065.23 +/-	200	4	0	5,560,875:84:8	
88	0	167	00:19:18.133		DMS:	: *P SLEW	P100, TRACK 2, REV, TIC *6059.73 +/-	200	4	0	5,560,875:90:6	
89	0	167	00:19:18.133		DMS:	: *AT SPD	P100, TRACK 2, REV, TIC 6059.73 +/-	200	4	0	5,560,875:90:6	
90	0	167	00:51:14.400	465VF6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	200	4	0	5,560,907:53:0	
91	0	167	00:51:14.400		DMS:	: *RUNDOWN	P100, TRACK 2, REV, TIC * 164.96 +/-	200	4	0	5,560,907:53:0	
92	0	167	00:51:15.600		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 164.16 +/-	200	4	0	5,560,907:54:8	
93	0	167	00:51:19.466		DMS:	: *AT SPD	P100, TRACK 3, FWD, TIC 169.66 +/-	200	4	0	5,560,907:60:6	
94	0	167	00:51:19.466		DMS:	: *P SLEW	P100, TRACK 3, FWD, TIC * 169.66 +/-	200	4	0	5,560,907:60:6	
95	0	167	01:15:27.733	488AB6C	6TMSED	NORM,CH4	Sci, Eng, and D/L Chan	200	4	0	5,560,931:49:0	
96	0	167	01:23:15.066	465VF6B	6DMSC	RDY,3	DMS Control Tape stop	200	4	0	5,560,939:22:0	
97	0	167	01:23:15.066		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC *6062.38 +/-	200	4	0	5,560,939:22:0	
98	0	167	01:23:16.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *6063.18 +/-	200	4	0	5,560,939:23:8	
99	0	167	01:37:58.400	465VG6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	200	4	0	5,560,953:73:0	
100	0	167	01:37:58.400		DMS:	: *US-RUNUP	P7, TRACK *1, FWD, TIC 6063.18 +/-	200	4	0	5,560,953:73:0	
101	0	167	01:37:59.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.30 +/-	200	4	0	5,560,953:75:1	
102	0	167	01:38:05.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6064.53 +/-	200	4	0	5,560,953:83:0	
103	0	167	01:38:06.266		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *6064.59 +/-	200	4	0	5,560,953:84:8	
104	0	167	01:38:10.133		DMS:	: *P SLEW	P100, TRACK 4, REV, TIC *6059.09 +/-	200	4	0	5,560,953:90:6	
105	0	167	01:38:10.133		DMS:	: *AT SPD	P100, TRACK 4, REV, TIC 6059.09 +/-	200	4	0	5,560,953:90:6	
106	0	167	01:47:29.066	488AB6D	6TMSED	FILL,CH4	Sci, Eng, and D/L Chan	200	4	0	5,560,963:19:0	
107	0	167	01:53:51.733	488AB6E	6TMSED	FILL,CH3	Sci, Eng, and D/L Chan	200	4	0	5,560,969:47:0	
108	0	167	02:10:05.733		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 166.38 +/-	200	4	0	5,560,985:52:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
109	0	167	02:10:05.733	465VH6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	200	4	0	5,560,985:52:0	
110	0	167	02:10:06.933		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 165.58 +/-	200	4	0	5,560,985:53:8	
111	0	167	02:10:10.800		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 171.08 +/-	200	4	0	5,560,985:59:6	
112	0	167	02:10:10.800		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 171.08 +/-	200	4	0	5,560,985:59:6	
113	0	167	02:11:11.733	465VH6B	6DMSC	RDY,3	DMS Control Tape stop	200	4	0	5,560,986:60:0	
114	0	167	02:11:11.733		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC * 358.52 +/-	200	4	0	5,560,986:60:0	
115	0	167	02:11:12.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 359.32 +/-	200	4	0	5,560,986:61:8	
116	0	167	02:11:59.066	488AC6A	6TMSED	FILL,CL3	Sci, Eng. and D/L Chan	200	4	0	5,560,987:40:0	
117	0	167	02:25:41.733		DMS:	: READY	RDY, TRACK *4, *REV, TIC 359.32 +/-	200	4	0	5,561,001:00:0	
118	0	167	02:25:41.733	465VI6A	6DMSC	RDY,4	DMS Control Tape stop	200	4	0	5,561,001:00:0	
119	0	167	02:26:35.733		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 359.32 +/-	200	4	0	5,561,001:81:0	
120	0	167	02:26:35.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 359.32 +/-	200	4	0	5,561,001:81:0	
121	0	167	02:26:35.733	465VJ6A	6DTRN	CMD,6DTRN,465VJ6	DMS TRACK TURNAROUND	200	4	0	5,561,001:81:0	
122	0	167	02:26:37.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 359.44 +/-	200	4	0	5,561,001:83:1	
123	0	167	02:26:42.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 360.67 +/-	200	4	0	5,561,002:00:0	
124	0	167	02:26:43.600		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 360.73 +/-	200	4	0	5,561,002:01:8	
125	0	167	02:26:45.000		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 360.61 +/-	200	4	0	5,561,002:03:9	
126	0	167	02:38:10.800		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	200	4	0	5,561,013:31:6	
127	0	167	02:38:12.000		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	200	4	0	5,561,013:33:4	
128	0	167	02:38:12.000		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	200	4	0	5,561,013:33:4	
129	0	167	02:38:13.400		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	200	4	0	5,561,013:35:5	
130	0	167	02:38:25.400		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	200	4	0	5,561,013:53:5	
131	0	167	02:38:26.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	200	4	0	5,561,013:55:3	
132	0	167	02:58:53.066		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	200	4	0	5,561,033:75:0	
133	0	167	02:58:53.066	465SZ6A	6DMSC	P100,1	DMS Control Tape P/B 100.8kbps	200	4	0	5,561,033:75:0	
134	0	167	02:58:59.733		DMS:	: *RUNUP	P100, TRACK 1, FWD, TIC 202.12 +/-	200	4	0	5,561,033:85:0	
135	0	167	02:59:03.600		DMS:	: *AT_SPD	P100, TRACK 1, FWD, TIC 207.62 +/-	200	4	0	5,561,033:90:8	
136	0	167	02:59:03.600		DMS:	: *P_SLEW	P100, TRACK 1, FWD, TIC * 207.62 +/-	200	4	0	5,561,033:90:8	
137	0	167	03:18:31.066		DMS:	: *RUNDOWN	P100, TRACK 1, FWD, TIC * 3798.95 +/-	200	4	0	5,561,053:22:0	
138	0	167	03:18:31.066	465SZ6B	6DMSC	RDY,1	DMS Control Tape stop	200	4	0	5,561,053:22:0	
139	0	167	03:18:32.266		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 3799.75 +/-	200	4	0	5,561,053:23:8	
140	0	167	03:24:20.400	465KB6A	6DMSC	RDY,3	DMS Control Tape stop	200	4	0	5,561,059:00:0	
141	0	167	03:24:20.400		DMS:	: READY	RDY, TRACK *3, FWD, TIC 3799.75 +/-	200	4	0	5,561,059:00:0	
142	0	167	03:27:03.733	20SG4A	7SAFE	STOP	S/P NO MOVEMENT	200	4	0	5,561,061:63:0	
143	0	167	03:27:53.733	20SG4B	7SLEW	DIS,POS,0.0	Stator movement	200	4	0	5,561,062:47:0	
144	0	167	03:29:23.733	176SA6A	6TMREC	IPB	INITIATE PLAYBACK (PB CONTROL) Record Mod	200	4	0	5,561,064:00:0	
145	0	167	03:47:53.733	488AC6B	6TMSED	NORM,CL3	Sci, Eng. and D/L Chan	200	4	0	5,561,082:27:0	
146	0	167	04:16:47.733	488AC6C	6TMSED	NORM,CL4	Sci, Eng. and D/L Chan	200	4	0	5,561,110:80:0	
147	0	167	08:27:25.733	488AD6A	6TMSED	FILL,CL4	Sci, Eng. and D/L Chan	200	4	0	5,561,358:69:0	
148	0	167	08:34:55.733	488AD6B	6TMSED	FILL,CL2	Sci, Eng. and D/L Chan	200	4	0	5,561,366:16:0	
149	0	167	19:26:55.733	488AE6A	6TMSED	NORM,CL2	Sci, Eng. and D/L Chan	200	4	0	5,562,011:01:0	
150	0	167	19:42:39.733	488AE6B	6TMSED	NORM,CL3	Sci, Eng. and D/L Chan	200	4	0	5,562,026:52:0	
151	0	167	20:53:21.733	488AE6C	6TMSED	FILL,CL3	Sci, Eng. and D/L Chan	200	4	0	5,562,096:45:0	
152	0	167	21:27:11.733	488AE6D	6TMSED	FILL,CL4	Sci, Eng. and D/L Chan	200	4	0	5,562,129:87:0	
153	0	167	21:29:51.066	488AE6E	6TMSED	NORM,CL4	Sci, Eng. and D/L Chan	200	4	0	5,562,132:53:0	
154	0	168	01:00:31.666	488AF6A	6TMSED	NORM,CL3	Sci, Eng. and D/L Chan	200	4	0	5,562,340:86:0	
155	0	168	01:35:52.333	488AF6B	6TMSED	FILL,CL3	Sci, Eng. and D/L Chan	200	4	0	5,562,375:82:0	
156	0	168	01:47:27.666	488AF6C	6TMSED	FILL,CL4	Sci, Eng. and D/L Chan	200	4	0	5,562,387:33:0	
157	0	168	05:26:36.333	488AF6D	6TMSED	NORM,CL4	Sci, Eng. and D/L Chan	200	4	0	5,562,604:09:0	
158	0	168	14:12:59.000	488AG6A	6TMSED	FILL,CL4	Sci, Eng. and D/L Chan	200	4	0	5,563,124:63:0	
159	0	168	20:11:38.333	488AG6B	6TMSED	NORM,CL4	Sci, Eng. and D/L Chan	200	4	0	5,563,479:37:0	
160	0	168	21:16:31.666	488AH6A	6TMSED	NORM,CL5	Sci, Eng. and D/L Chan	200	4	0	5,563,543:53:0	
161	0	169	01:00:31.666	488AH6B	6TMSED	NORM,CL4	Sci, Eng. and D/L Chan	200	4	0	5,563,765:11:0	
162	0	169	02:37:32.333	488AH6C	6TMSED	FILL,CL4	Sci, Eng. and D/L Chan	200	4	0	5,563,861:06:0	
163	0	169	02:45:03.666	488AH6D	6TMSED	FILL,CL2	Sci, Eng. and D/L Chan	200	4	0	5,563,868:46:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
164	0	169	03:21:59.666	488A16A	6TMSED	NORM,CL2	Sci, Eng, and D/L Chan	200	4	0	5,563,905:03:0	
165	0	169	03:27:43.666	488A16B	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	200	4	0	5,563,910:64:0	
166	0	169	04:12:31.666	488A16C	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	200	4	0	5,563,955:01:0	
167	0	169	14:29:03.600	488A16A	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	200	4	0	5,564,564:70:0	
168	0	169	14:55:57.600	488A16B	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	200	4	0	5,564,591:34:0	
169	0	169	19:08:02.266	488A16C	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	200	4	0	5,564,840:62:0	
170	0	169	19:17:03.600	488A16D	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	200	4	0	5,564,849:55:0	
171	0	169	21:22:55.600	488AK6A	6TMSED	NORM,CL5	Sci, Eng, and D/L Chan	200	4	0	5,564,974:08:0	
172	0	170	00:54:07.600	488AK6B	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	200	4	0	5,565,182:88:0	
173	0	170	02:32:35.600	488AK6C	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	200	4	0	5,565,280:32:0	
174	0	170	02:38:39.600	488AK6D	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	200	4	0	5,565,286:32:0	
175	0	170	05:23:03.600	488AL6A	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	200	4	0	5,565,448:86:0	
176	0	170	06:03:27.600	488AL6B	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	200	4	0	5,565,488:82:0	
177	0	170	06:55:16.933	488AL6C	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	200	4	0	5,565,540:14:0	
178	0	170	07:28:56.266	488AL6D	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	200	4	0	5,565,573:40:0	
179	0	170	12:29:35.600	488AM6A	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	200	4	0	5,565,870:72:0	
180	0	170	13:00:00.266	481UB4A	7VECT	BB1	Inert vect update UTC	200	4	0	5,565,900:79:0	
181	0	170	14:35:27.600	488AM6B	6TMSED	NORM,CL2	Sci, Eng, and D/L Chan	200	4	0	5,565,995:25:0	
182	0	170	14:49:47.600	488AM6C	6TMSED	FILL,CL2	Sci, Eng, and D/L Chan	200	4	0	5,566,009:41:0	
183	0	170	15:07:27.600	488AM6D	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	200	4	0	5,566,026:84:0	
184	0	170	19:03:05.600	488AN6A	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	200	4	0	5,566,259:88:0	
185	0	170	19:17:03.600	488AN6B	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	200	4	0	5,566,273:71:0	
186	0	170	21:22:55.533	488AN6C	6TMSED	NORM,CL5	Sci, Eng, and D/L Chan	200	4	0	5,566,398:24:0	
187	0	170	23:59:22.866	431MB6A	6RCSEL	DDSSEL,PLSNCG,EP	Record Select (DDS onl)	200	4	0	5,566,553:00:0	
188	0	171	00:45:35.533	488AN6D	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	200	4	0	5,566,598:64:0	
189	0	171	02:31:54.200	488AO6A	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	200	4	0	5,566,703:77:0	
190	0	171	02:38:39.533	488AO6B	6TMSED	FILL,CL2	Sci, Eng, and D/L Chan	200	4	0	5,566,710:48:0	
191	0	171	03:07:08.200	488AO6C	6TMSED	NORM,CL2	Sci, Eng, and D/L Chan	200	4	0	5,566,738:63:0	
192	0	171	03:23:27.533	488AO6D	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	200	4	0	5,566,754:76:0	
193	0	171	04:12:31.533	488AO6E	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	200	4	0	5,566,803:33:0	
194	0	171	12:22:22.866	488AP6A	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	200	4	0	5,567,287:76:0	
195	0	171	12:29:35.533	488AP6B	6TMSED	FILL,CL2	Sci, Eng, and D/L Chan	200	4	0	5,567,294:88:0	
196	0	172	03:07:10.866	488AQ6A	6TMSED	NORM,CL2	Sci, Eng, and D/L Chan	200	4	0	5,568,162:83:0	
197	0	172	03:23:27.533	488AQ6B	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	200	4	0	5,568,179:01:0	
198	0	172	04:12:31.533	488AQ6C	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	200	4	0	5,568,227:49:0	
199	0	172	14:11:48.133	488AR6A	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	200	4	0	5,568,820:21:0	
200	0	172	14:14:07.466	488AR6B	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	200	4	0	5,568,822:48:0	
201	0	172	18:58:13.466	488AR6C	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	200	4	0	5,569,103:46:0	
202	0	172	19:12:47.466	488AR6D	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	200	4	0	5,569,117:83:0	
203	0	172	21:33:35.466	488AS6A	6TMSED	NORM,CL5	Sci, Eng, and D/L Chan	200	4	0	5,569,257:15:0	
204	0	172	23:49:47.466	488AS6B	6TMSED	FILL,CL5	Sci, Eng, and D/L Chan	200	4	0	5,569,391:79:0	
205	0	172	23:54:23.466	488AS6C	6TMSED	FILL,CL2	Sci, Eng, and D/L Chan	200	4	0	5,569,396:38:0	
206	0	173	18:57:18.066	488AT6A	6TMSED	NORM,CL2	Sci, Eng, and D/L Chan	200	4	0	5,570,526:70:0	
207	0	173	19:38:23.400	488AT6B	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	200	4	0	5,570,567:37:0	
208	0	173	20:17:59.400	488AT6C	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	200	4	0	5,570,606:52:0	
209	0	173	20:55:03.400	488AT6D	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	200	4	0	5,570,643:21:0	
210	0	173	22:41:51.400	488AT6E	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	200	4	0	5,570,748:78:0	
211	0	173	23:05:19.400	488AU6A	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	200	4	0	5,570,772:06:0	
212	0	174	00:11:14.733	488AU6B	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	200	4	0	5,570,837:24:0	
213	0	174	18:53:21.400	488AV6A	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	200	4	0	5,571,947:04:0	
214	0	174	19:08:31.400	488AV6B	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	200	4	0	5,571,962:04:0	
215	0	174	21:42:07.400	488AV6C	6TMSED	NORM,CL5	Sci, Eng, and D/L Chan	200	4	0	5,572,113:87:0	
216	0	174	23:26:18.733	176UW6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	200	4	0	5,572,217:00:0	
217	0	174	23:32:00.066	20UQ4B	7SLEW	DIS,POS,0.0	Stator movement	200	4	0	5,572,222:57:0	
218	0	174	23:33:00.066	20UQ4D	7MODE	SPNL	AACS ALL-SPIN LOW	200	4	0	5,572,223:56:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
219	0	174	23:35:00.066	20UQ4E	7SAFE	UNSTOW	S/P TO 153 deg cone	200	4	0	5,572,225:54:0	
220	0	174	23:40:30.066	20UQ4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	200	4	0	5,572,231:03:0	
221	0	174	23:40:30.733	20UQ4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	200	4	0	5,572,231:04:0	
222	0	174	23:40:50.733	20UQ4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	200	4	0	5,572,231:34:0	
223	0	174	23:40:51.400	20UQ4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	200	4	0	5,572,231:35:0	
224	0	174	23:41:11.400	20UQ4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	200	4	0	5,572,231:65:0	
225	0	174	23:41:12.066	20UQ4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	200	4	0	5,572,231:66:0	
226	0	174	23:41:22.066	20UQ4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	200	4	0	5,572,231:81:0	
227	0	174	23:41:22.733	20UQ4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	200	4	0	5,572,231:82:0	
228	0	174	23:41:32.733	20UQ4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	200	4	0	5,572,232:06:0	
229	0	174	23:41:33.400	20UQ4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	200	4	0	5,572,232:07:0	
230	0	174	23:43:02.066	20UQ4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	200	4	0	5,572,233:76:0	
231	0	174	23:43:20.733	20UQ4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	200	4	0	5,572,233:77:0	
232	0	174	23:43:40.733	20UQ4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	200	4	0	5,572,234:16:0	
233	0	174	23:43:41.400	20UQ4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	200	4	0	5,572,234:17:0	
234	0	174	23:44:01.400	20UQ4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	200	4	0	5,572,234:47:0	
235	0	174	23:44:02.066	20UQ4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	200	4	0	5,572,234:48:0	
236	0	174	23:44:12.066	20UQ4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	200	4	0	5,572,234:63:0	
237	0	174	23:44:12.733	20UQ4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	200	4	0	5,572,234:64:0	
238	0	174	23:44:22.733	20UQ4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	200	4	0	5,572,234:79:0	
239	0	174	23:44:23.400	20UQ4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	200	4	0	5,572,234:80:0	
240	0	174	23:45:20.066	20UQ4Z	7MODE	CRU	AACS CRUISE MODE	200	4	0	5,572,235:74:0	
241	0	175	00:00:47.400	488AV6D	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	200	4	0	5,572,251:09:0	
242	0	175	00:10:04.066	20UW4A	7SAFE	STOP	S/P NO MOVEMENT	200	4	0	5,572,260:25:0	
243	0	175	00:10:54.066	20UW4B	7SLEW	DIS,POS,0.0	Stator movement	200	4	0	5,572,261:09:0	
244	0	175	00:12:49.400	176UX6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	200	4	0	5,572,263:00:0	
245	0	175	00:42:38.066	488AV6E	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	200	4	0	5,572,292:44:0	
246	0	175	00:49:51.400	488AW6A	6TMSED	FILL,CL2	Sci, Eng, and D/L Chan	200	4	0	5,572,299:57:0	
247	0	175	03:12:22.666	488AW6B	6TMSED	NORM,CL2	Sci, Eng, and D/L Chan	200	4	0	5,572,440:53:0	
248	0	175	03:17:03.333	488AW6C	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	200	4	0	5,572,445:19:0	
249	0	175	04:08:15.333	488AW6D	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	200	4	0	5,572,495:77:0	
250	0	175	10:57:58.666	488AX6A	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	200	4	0	5,572,901:06:0	
251	0	175	11:04:15.333	488AX6B	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	200	4	0	5,572,907:25:0	
252	0	175	18:48:25.333	488AY6A	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	200	4	0	5,573,366:31:0	
253	0	175	19:08:31.333	488AY6B	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	200	4	0	5,573,386:20:0	
254	0	175	19:23:00.000	488AY6C	6TMSED	NORM,CH4	Sci, Eng, and D/L Chan	200	4	0	5,573,400:49:0	
255	0	175	19:26:30.000	176UE6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	200	4	0	5,573,404:00:0	
256	0	175	19:53:30.000	20SP4I	7MODE	INT	AACS INERTIAL MODE	200	4	0	5,573,430:64:0	
257	0	175	20:08:30.000	20SP4K	7SLEW	INIT,POS,17.45	Stator movement	200	4	0	5,573,445:49:0	
258	0	175	20:20:30.000	20SP4L	7SLEW	DIS,POS,0.0	Stator movement	200	4	0	5,573,457:37:0	
259	0	175	20:27:30.000	20SP4M	7SLEW	INIT,NEG,17.45	Stator movement	200	4	0	5,573,464:30:0	
260	0	175	20:39:30.000	20SP4N	7SLEW	DIS,POS,0.0	Stator movement	200	4	0	5,573,476:18:0	
261	0	175	20:46:30.000	20SP4O	7SLEW	INIT,POS,4.36	Stator movement	200	4	0	5,573,483:11:0	
262	0	175	20:58:30.000	20SP4P	7SLEW	DIS,POS,0.0	Stator movement	200	4	0	5,573,494:90:0	
263	0	175	21:05:30.000	20SP4Q	7SLEW	INIT,NEG,4.36	Stator movement	200	4	0	5,573,501:83:0	
264	0	175	21:17:30.000	20SP4R	7SLEW	DIS,POS,0.0	Stator movement	200	4	0	5,573,513:71:0	
265	0	175	21:29:30.000	20SP4AH	7MODE	CRU	AACS CRUISE MODE	200	4	0	5,573,525:59:0	
266	0	175	21:42:07.333	488AY6D	6TMSED	NORM,CH5	Sci, Eng, and D/L Chan	200	4	0	5,573,538:12:0	
267	0	175	21:45:00.000	488AY6E	6TMSED	NORM,CL5	Sci, Eng, and D/L Chan	200	4	0	5,573,540:89:0	
268	0	175	21:45:04.000	20UP4A	7SAFE	STOP	S/P NO MOVEMENT	200	4	0	5,573,541:04:0	
269	0	175	21:45:54.000	20UP4B	7SLEW	DIS,POS,0.0	Stator movement	200	4	0	5,573,541:79:0	
270	0	175	21:47:02.666	176UF6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	200	4	0	5,573,543:00:0	
271	0	175	23:50:07.333	488AZ6A	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	200	4	0	5,573,664:66:0	
272	0	176	02:30:07.333	488AZ6B	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	200	4	0	5,573,822:88:0	
273	0	176	02:46:22.666	488AZ6C	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	200	4	0	5,573,839:04:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
274	0	176	03:58:26.666	488AZ6D	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	200	4	0	5,573,910:29:0	
275	0	176	04:17:49.333	488AZ6E	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	200	4	0	5,573,929:44:0	
276	0	176	04:54:53.333	488BA6A	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	200	4	0	5,573,966:13:0	
277	0	176	07:13:51.333	488BA6B	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	200	4	0	5,574,103:53:0	
278	0	176	10:28:03.333	488BA6C	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	200	4	0	5,574,295:59:0	
279	0	176	10:34:23.333	488BA6D	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	200	4	0	5,574,301:83:0	
280	0	176	18:48:29.266	488BB6A	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	200	4	0	5,574,900:53:0	
281	0	176	19:08:31.266	488BB6B	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	200	4	0	5,574,810:36:0	
282	0	176	21:48:31.266	488BB6C	6TMSED	NORM,CL5	Sci, Eng, and D/L Chan	200	4	0	5,574,968:58:0	
283	0	176	23:39:27.266	488BB6D	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	200	4	0	5,575,078:32:0	
284	0	177	02:25:51.266	488BC6A	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	200	4	0	5,575,242:84:0	
285	0	177	02:43:45.266	488BC6B	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	200	4	0	5,575,260:57:0	
286	0	177	02:49:19.266	488BC6C	6TMSED	FILL,CL2	Sci, Eng, and D/L Chan	200	4	0	5,575,266:12:0	
287	0	177	03:04:15.266	488BC6D	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	200	4	0	5,575,280:82:0	
288	0	177	06:17:11.266	488BC6E	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	200	4	0	5,575,471:65:0	
289	0	177	11:43:29.266	488BD6A	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	200	4	0	5,575,794:39:0	
290	0	177	11:51:11.266	488BD6B	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	200	4	0	5,575,802:04:0	
291	0	177	18:43:33.266	488BE6A	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	200	4	0	5,576,209:80:0	
292	0	177	19:02:07.266	488BE6B	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	200	4	0	5,576,228:22:0	
293	0	177	21:57:03.266	488BE6C	6TMSED	NORM,CL5	Sci, Eng, and D/L Chan	200	4	0	5,576,401:23:0	
294	0	177	23:30:55.200	488BE6D	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	200	4	0	5,576,494:08:0	
295	0	178	00:12:47.866	488BE6E	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	200	4	0	5,576,535:46:0	
296	0	178	00:19:59.200	488BF6A	6TMSED	FILL,CL2	Sci, Eng, and D/L Chan	200	4	0	5,576,542:56:0	
297	0	178	02:47:35.866	488BF6B	6TMSED	NORM,CL2	Sci, Eng, and D/L Chan	200	4	0	5,576,688:55:0	
298	0	178	03:08:31.200	488BF6C	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	200	4	0	5,576,709:27:0	
299	0	178	04:03:59.200	488BF6D	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	200	4	0	5,576,764:14:0	
300	0	178	10:18:14.533	488BG6A	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	200	4	0	5,577,134:27:0	
301	0	178	10:25:51.200	488BG6B	6TMSED	FILL,CL2	Sci, Eng, and D/L Chan	200	4	0	5,577,141:75:0	
302	0	179	19:32:43.133	488BH6A	6TMSED	NORM,CL2	Sci, Eng, and D/L Chan	200	4	0	5,579,106:78:0	
303	0	179	19:38:23.133	488BH6B	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	200	4	0	5,579,112:42:0	
304	0	179	20:57:34.466	488BH6C	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	200	4	0	5,579,190:71:0	
305	0	179	21:34:38.466	488BH6D	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	200	4	0	5,579,227:40:0	
306	0	179	23:36:39.800	488BH6E	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	200	4	0	5,579,348:11:0	
307	0	180	18:53:46.466	488BI6A	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	200	4	0	5,580,492:47:0	
308	0	180	19:02:07.133	488BI6B	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	200	4	0	5,580,500:70:0	
309	0	181	01:03:30.400	488BJ6A	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	200	4	0	5,580,858:17:0	
310	0	181	01:11:11.066	488BJ6B	6TMSED	FILL,CL2	Sci, Eng, and D/L Chan	200	4	0	5,580,865:71:0	
311	0	181	18:37:51.733	488BK6A	6TMSED	NORM,CL2	Sci, Eng, and D/L Chan	200	4	0	5,581,900:87:0	
312	0	181	19:27:43.066	488BK6B	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	200	4	0	5,581,950:24:0	
313	0	181	19:52:25.733	488BK6C	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	200	4	0	5,581,974:64:0	
314	0	181	20:29:29.733	488BK6D	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	200	4	0	5,582,011:33:0	
315	0	182	00:41:48.400	488BL6A	6TMSED	FILL,CL3	Sci, Eng, and D/L Chan	200	4	0	5,582,260:82:0	
316	0	182	00:54:07.066	488BL6B	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	200	4	0	5,582,273:07:0	
317	0	182	01:03:07.066	431YL6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	200	4	0	5,582,281:89:0	
318	0	182	01:06:17.733	20YC6A	6HICON			200	4	0	5,582,285:11:0	
319	0	182	01:07:11.066	431YM6A	6RCSEL	DDSNCG,PLSNCG,EP	Record Select (DDS onl	200	4	0	5,582,286:00:0	
320	0	182	01:59:59.733	488BL6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	200	4	0	5,582,338:21:0	
321	0	182	06:17:33.666	488BL6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	200	4	0	5,582,592:88:0	
322	0	182	13:25:03.000	488BM6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	200	4	0	5,583,015:69:0	
323	0	182	14:20:31.000	488BM6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	200	4	0	5,583,070:56:0	
324	0	182	14:20:42.333	488BM6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	200	4	0	5,583,070:73:0	
325	0	182	14:37:35.000	488BM6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	200	4	0	5,583,087:45:0	
326	0	182	18:43:56.333	488BM6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	200	4	0	5,583,331:13:0	
327	0	182	18:53:35.000	488BN6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	200	4	0	5,583,340:62:0	
328	0	183	01:55:37.000	488BO6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	200	4	0	5,583,758:07:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
329	0	183	02:00:15.000	488BO6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	200	4	0	5,583,762:60:0	
330	0	183	02:52:57.666	488BO6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	200	4	0	5,583,814:72:0	
331	0	183	03:49:03.000	488BO6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	200	4	0	5,583,870:24:0	
332	0	183	04:07:18.333	488BO6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	200	4	0	5,583,888:29:0	
333	0	183	04:44:22.333	488BP6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	200	4	0	5,583,924:89:0	
334	0	183	13:31:27.000	488BQ6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	200	4	0	5,584,446:24:0	
335	0	183	14:20:42.333	488BQ6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	200	4	0	5,584,494:89:0	
336	0	183	14:37:35.000	488BQ6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	200	4	0	5,584,511:61:0	
337	0	183	20:47:41.600	488BR6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	200	4	0	5,584,877:65:0	
338	0	184	01:55:58.933	488BR6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	200	4	0	5,585,182:56:0	
339	0	184	02:16:31.600	488BR6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	200	4	0	5,585,202:85:0	
340	0	184	02:25:50.933	488BR6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	200	4	0	5,585,212:14:0	
341	0	184	02:48:02.933	488BS6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	200	4	0	5,585,234:10:0	
342	0	184	03:49:02.933	488BS6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	200	4	0	5,585,294:40:0	
343	0	184	03:52:14.266	488BS6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	200	4	0	5,585,297:54:0	
344	0	184	04:29:18.266	488BS6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	200	4	0	5,585,334:23:0	
345	0	184	09:56:59.600	488BT6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	200	4	0	5,585,658:31:0	
346	0	184	10:08:46.933	488BT6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	200	4	0	5,585,670:00:0	
347	0	184	19:52:45.600	488BU6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	200	4	0	5,586,247:51:0	
348	0	185	01:33:36.200	488BU6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	200	4	0	5,586,584:60:0	
349	0	185	01:41:02.866	488BU6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	200	4	0	5,586,592:02:0	
350	0	185	02:28:08.266	488BV6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	200	4	0	5,586,638:54:0	
351	0	185	02:53:34.866	488BV6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	200	4	0	5,586,663:69:0	
352	0	185	04:03:58.866	488BV6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	200	4	0	5,586,733:35:0	
353	0	185	13:43:24.866	488BW6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	200	4	0	5,587,306:41:0	
354	0	185	13:50:38.866	488BW6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	200	4	0	5,587,313:55:0	
355	0	186	02:28:12.866	488BX6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	200	4	0	5,588,027:77:0	
356	0	186	02:53:34.866	488BX6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	200	4	0	5,588,087:85:0	
357	0	186	04:03:58.866	488BX6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	200	4	0	5,588,157:51:0	
358	0	186	11:33:23.466	488BY6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	200	4	0	5,588,602:03:0	
359	0	186	11:40:30.800	488BY6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	200	4	0	5,588,609:07:0	
360	0	186	18:33:16.133	488BZ6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	200	4	0	5,589,017:27:0	
361	0	186	19:34:06.800	488BZ6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	200	4	0	5,589,077:43:0	
362	0	186	19:37:01.466	488BZ6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	200	4	0	5,589,080:32:0	
363	0	186	20:14:05.466	488BZ6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	200	4	0	5,589,117:01:0	
364	0	187	00:56:14.800	488CA6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	200	4	0	5,589,396:06:0	
365	0	187	01:20:59.466	488CA6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	200	4	0	5,589,420:49:0	
366	0	187	01:38:54.800	488CA6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	200	4	0	5,589,438:24:0	
367	0	187	10:24:18.800	488CB6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	200	4	0	5,589,957:81:0	
368	0	187	10:57:50.800	488CB6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	200	4	0	5,589,991:05:0	
369	0	187	11:00:53.466	28NNRCTRLT01-	-----START-----			200	4	0	:	:
370	0	187	11:11:56.800	176XU6A	6TMREC	PBB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	200	4	0	5,590,005:00:0	
371	0	187	11:15:02.800	20XE4A	7SAFE	UNSTOW	S/P TO 153 deg cone	200	4	0	5,590,008:06:0	
372	0	187	11:19:09.466	20DA4A	7SAFE	STOP	S/P NO MOVEMENT	200	4	0	5,590,012:12:0	
373	0	187	11:19:59.466	20DA4B	7SLEW	DIS,POS,0.0	Stator movement	200	4	0	5,590,012:87:0	
374	0	187	11:22:03.466	176XV6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	200	4	0	5,590,015:00:0	
375	0	187	11:23:04.133	185XE10A3A	40HRP		1 RCT Heater ON (primary relay)	200	4	0	5,590,016:00:0	
376	0	187	11:23:09.466	185XE10B3A	40HRP		2 RCT Heater ON (primary relay)	200	4	0	5,590,016:08:0	
377	0	187	18:06:38.800	488CC6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	200	4	0	5,590,415:13:0	
378	0	187	18:23:42.800	488CC6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	200	4	0	5,590,432:02:0	
379	0	187	18:49:18.800	488CC6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	200	4	0	5,590,457:31:0	
380	0	187	23:09:30.066	20EA5A	37PL		Program Load (halts microprocessor & unwri	4	0	5,590,714:61:0		
381	0	187	23:09:33.400	20EA5B	37MRL		Memory Realocate (software operates from R	4	0	5,590,714:66:0		
382	0	187	23:09:36.733	20EA6A	6MCPY	NIMS	NIMS,1000,LLM1A,7300,77F7	4	0	5,590,714:71:0		
383	0	187	23:09:46.733	20EA6B	6MCPY	NIMS	NIMS,1598,LLM1A,77F8,781D	4	0	5,590,714:86:0		

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
384	0	187	23:10:00.733	20EA5C	37IRT		Instrument Reset (goes into POR state)		4	0	5,590,715:16:0	
385	0	187	23:10:04.066	20EA5D	37MN		Memory Normal (software operates from ROM)	260	4	0	5,590,715:21:0	
386	0	187	23:10:44.066	20EA4A	37IST	1,2,0,OFF,0,1,0	Chopper ON, Sync, Chopper (Ref)Gain State	2R0	4	0	5,590,715:81:0	
387	0	187	23:17:50.733	125XE	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	5,590,722:84:0	
388	0	187	23:17:50.733	125XE4A	37IST	1,0,0,OFF,0,0,0	Chopper ON, Sync, 63Hz (Ref)	260	4	0	5,590,722:84:0	
389	0	187	23:18:51.400	125XE4B	37IST	1,0,0,OFF,0,0,0	Chopper ON, Sync, Chopper (Ref)	2R0	4	0	5,590,723:84:0	
390	0	187	23:19:52.066	125XE4C	37IST	0,2,0,OFF,0,1,3	Gain State 1	1R0	4	0	5,590,724:84:0	
391	0	187	23:20:52.733	125XE11A	NIMSINIT	GE	##### GROUP END INIT	1R0	4	0	5,590,725:84:0	
392	0	187	23:20:52.733	125XE4D	37MB	1B,1B,0,0,0,0	Selects mirror (spatial) edit table	1R0	4	0	5,590,725:84:0	
393	0	187	23:22:54.066	127XE	NIMSTAB	GS	##### GROUP START TAB	1R0	4	0	5,590,727:84:0	
394	0	187	23:22:54.066	127XE4A	37IOP	3,0	Long Map, Grating Start Position =00	1R3	4	0	5,590,727:84:0	
395	0	187	23:22:54.733	127XE4B	37ETB	0A,CA,18,03,FF,1	Loads wavelength edit table	1R3	4	0	5,590,727:85:0	
396	0	187	23:23:02.733	127XE11A	NIMSTAB	GE	##### GROUP END TAB	1R3	4	0	5,590,728:06:0	
397	0	187	23:27:01.400	176XE6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1R3	4	0	5,590,732:00:0	
398	0	187	23:33:05.400	192XE4A	7CONE	17,0,119,7	Check S/P Position	1R3	4	0	5,590,738:00:0	
399	0	187	23:35:26.733	432XE6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	1R3	4	0	5,590,740:30:0	
400	0	187	23:36:26.066	432XF6A	6RTDS2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	1R3	4	0	5,590,741:28:0	
401	0	187	23:39:09.400	192XE4B	7CONE	17,0,0,0	Check S/P Position	1R3	4	0	5,590,744:00:0	
402	0	187	23:41:30.733	432XU6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	1R3	4	0	5,590,746:30:0	
403	0	187	23:43:30.733	432XV6A	6RTDS2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	1R3	4	0	5,590,748:28:0	
404	0	187	23:45:13.400	192XE4C	7CONE	17,0,119,7	Check S/P Position	1R3	4	0	5,590,750:00:0	
405	0	187	23:47:14.733	185XE10C3A	40HRPR		1 RCT Heater OFF (primary relay)	1R3	4	0	5,590,752:00:0	
406	0	187	23:47:20.066	185XE10D3A	40HRPR		2 RCT Heater OFF (primary relay)	1R3	4	0	5,590,752:08:0	
407	0	187	23:47:34.733	432XW6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	1R3	4	0	5,590,752:30:0	
408	0	187	23:48:34.066	432XY6A	6RTDS2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	1R3	4	0	5,590,753:28:0	
409	0	187	23:50:12.066	125DC4A	37IST	0,2,0,OFF,0,1,1	Gain State 4	4R3	4	0	5,590,754:84:0	
410	0	187	23:50:12.066	125DC	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	5,590,754:84:0	
411	0	187	23:50:12.066	125DC11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	5,590,754:84:0	
412	0	187	23:51:12.733	127DC	NIMSTAB	GS	##### GROUP START TAB	4R3	4	0	5,590,755:84:0	
413	0	187	23:51:12.733	127DC4A	37IOP	3,0	Long Map, Grating Start Position =00	4R3	4	0	5,590,755:84:0	
414	0	187	23:51:13.400	127DC4B	37ETB	07,C,7,31,80,00,0	Loads wavelength edit table	4R3	4	0	5,590,755:85:0	
415	0	187	23:51:17.400	192XE4D	7CONE	17,0,153,0	Check S/P Position	4R3	4	0	5,590,756:00:0	
416	0	187	23:51:21.400	127DC11A	NIMSTAB	GE	##### GROUP END TAB	4R3	4	0	5,590,756:06:0	
417	0	187	23:51:37.400	432DC6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	4R3	4	0	5,590,756:30:0	
418	0	187	23:52:13.400	125DD4A	37IST	0,2,1,OFF,1,0,1	OPCAL	4R3	4	0	5,590,756:84:0	
419	0	187	23:52:13.400	125DD11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	5,590,756:84:0	
420	0	187	23:52:13.400	125DD	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	5,590,756:84:0	
421	0	187	23:54:14.733	125DE11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	5,590,758:84:0	
422	0	187	23:54:14.733	125DE	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	5,590,758:84:0	
423	0	187	23:54:14.733	125DE4A	37IST	0,2,1,OFF,1,0,1	OPCAL	4R3	4	0	5,590,758:84:0	
424	0	187	23:54:38.066	432DE6A	6RTDS2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	4R3	4	0	5,590,759:28:0	
425	0	187	23:58:17.400	127XF	NIMSTAB	GS	##### GROUP START TAB	4R3	4	0	5,590,762:84:0	
426	0	187	23:58:17.400	127XF4A	37IOP	0,0	Safe, Grating Start Position =00	4R0	4	0	5,590,762:84:0	
427	0	187	23:58:18.066	127XF4B	37ETB	04,C,4,02,00,00	Loads wavelength edit table	4R0	4	0	5,590,762:85:0	
428	0	187	23:58:26.066	127XF11A	NIMSTAB	GE	##### GROUP END TAB	4R0	4	0	5,590,763:06:0	
429	0	188	00:01:19.400	125XF4A	37MB	0,0,0,0,0,0	Selects mirror (spatial) edit table	4R0	4	0	5,590,765:84:0	
430	0	188	00:01:19.400	125XF	NIMSINIT	GS	##### GROUP START INIT	4R0	4	0	5,590,765:84:0	
431	0	188	00:02:20.066	125XF4B	37IST	1,0,0,OFF,0,0,0	Chopper ON, Sync, 63Hz (Ref)	460	4	0	5,590,766:84:0	
432	0	188	00:03:20.733	125XF11A	NIMSINIT	GE	##### GROUP END INIT	460	4	0	5,590,767:84:0	
433	0	188	00:03:28.132	125XF4C	37IST	1,1,0,OFF,0,0,0	Chopper OFF, N/A, 63Hz (Ref)	400	4	0	5,590,767:84:0	
434	0	188	00:16:38.733	28NNRCTRLT01-		-----STOP-----		400	4	0	:	
435	0	188	00:19:44.066	20DB4A	7SAFE	STOP	S/P NO MOVEMENT	400	4	0	5,590,784:12:0	
436	0	188	00:20:34.066	20DB4B	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5,590,784:87:0	
437	0	188	00:22:38.066	176XF6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	400	4	0	5,590,787:00:0	
438	0	188	01:14:07.400	488CD6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,590,837:84:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
439	0	188	01:21:50.733	488CD6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	400	4	0	5,590,845:51:0	
440	0	188	09:53:24.066	488CE6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	400	4	0	5,591,351:45:0	
441	0	188	10:08:46.733	488CE6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	400	4	0	5,591,366:64:0	
442	0	188	10:57:50.733	488CE6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,591,415:21:0	
443	0	188	13:43:32.733	488CE6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,591,579:10:0	
444	0	188	13:50:38.733	488CE6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	400	4	0	5,591,586:12:0	
445	0	188	18:18:26.066	488CF6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	400	4	0	5,591,850:89:0	
446	0	188	18:23:42.733	488CF6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	400	4	0	5,591,856:18:0	
447	0	188	18:30:39.400	28NNPCTRLT01-		-----START-----		400	4	0	:	:
448	0	188	18:49:18.733	488CF6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,591,881:47:0	
449	0	189	00:34:35.400	176FB6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	400	4	0	5,592,223:00:0	
450	0	189	00:37:44.066	444FB443A4A	7SAFE	UNSTOW	S/P TO 153 deg cone	400	4	0	5,592,226:10:0	
451	0	189	00:41:44.066	444FB443A4B	7MODE	SPNL	AACS ALL-SPIN LOW	400	4	0	5,592,230:06:0	
452	0	189	00:50:44.066	444FB443A4C	7CLK	17.45,0.0	Check S/P Position	400	4	0	5,592,238:88:0	
453	0	189	00:53:43.400	125FB4A	37IST	1,0,0,OFF,0,0,0	Chopper ON, Sync, 63Hz (Ref)	460	4	0	5,592,241:84:0	
454	0	189	00:53:43.400	125FB4B	NIMSINIT	GS	##### GROUP START INIT	460	4	0	5,592,241:84:0	
455	0	189	00:54:44.066	125FB4B	37IST	1,2,0,OFF,0,1,1	Chopper ON, Sync, Chopper (Ref)Gain State	4R0	4	0	5,592,242:84:0	
456	0	189	00:55:44.733	125FB11A	NIMSINIT	GE	##### GROUP END INIT	4R0	4	0	5,592,243:84:0	
457	0	189	00:55:44.733	125FB4C	37MB	1B,1B,0,0,0,0	Selects mirror (spatial) edit table	4R0	4	0	5,592,243:84:0	
458	0	189	00:58:46.733	127FB	NIMSTAB	GS	%%%% GROUP START TAB	4R0	4	0	5,592,246:84:0	
459	0	189	00:58:46.733	127FB4A	37IOP	3,0	Long Map, Grating Start Position =00	4R3	4	0	5,592,246:84:0	
460	0	189	00:58:47.400	127FB4B	37ETB	0A,CA,19,FF,C0,1	Loads wavelength edit table	4R3	4	0	5,592,246:85:0	
461	0	189	00:58:55.400	127FB11A	NIMSTAB	GE	%%%% GROUP END TAB	4R3	4	0	5,592,247:06:0	
462	0	189	00:59:11.400	432FB6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	4R3	4	0	5,592,247:30:0	
463	0	189	01:01:11.400	432FC6A	6RTDS2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	4R3	4	0	5,592,249:28:0	
464	0	189	01:01:53.400	192FC4A	7CONE	17,0,54,88	Check S/P Position	4R3	4	0	5,592,250:00:0	
465	0	189	01:01:54.066	192FC4B	7CLK	17,0,244,07	Check S/P Position	4R3	4	0	5,592,250:01:0	
466	0	189	01:05:15.400	432FD6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	4R3	4	0	5,592,253:30:0	
467	0	189	01:15:20.733	432FE6A	6RTDS2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	4R3	4	0	5,592,263:28:0	
468	0	189	01:15:58.066	127FE	NIMSTAB	GS	%%%% GROUP START TAB	4R3	4	0	5,592,263:84:0	
469	0	189	01:15:58.066	127FE4A	37IOP	0,0	Safe, Grating Start Position =00	4R0	4	0	5,592,263:84:0	
470	0	189	01:15:58.733	127FE4B	37ETB	04,C,4,02,00,00	Loads wavelength edit table	4R0	4	0	5,592,263:85:0	
471	0	189	01:16:06.733	127FE11A	NIMSTAB	GE	%%%% GROUP END TAB	4R0	4	0	5,592,264:06:0	
472	0	189	01:16:06.733	20FE4A	7SAFE	UNSTOW	S/P TO 153 deg cone	4R0	4	0	5,592,264:06:0	
473	0	189	01:17:59.400	125FE	NIMSINIT	GS	##### GROUP START INIT	4R0	4	0	5,592,265:84:0	
474	0	189	01:17:59.400	125FE4A	37IST	1,0,0,OFF,0,0,0	Chopper ON, Sync, 63Hz (Ref)	460	4	0	5,592,265:84:0	
475	0	189	01:19:00.066	125FE4B	37IST	1,1,0,OFF,0,0,0	Chopper OFF, N/A, 63Hz (Ref)	400	4	0	5,592,266:84:0	
476	0	189	01:20:00.733	125FE4C	37MB	0,0,0,0,0,0,0	Selects mirror (spatial) edit table	400	4	0	5,592,267:84:0	
477	0	189	01:20:00.733	125FE11A	NIMSINIT	GE	##### GROUP END INIT	400	4	0	5,592,267:84:0	
478	0	189	01:21:12.733	444FF443A4A	7SAFE	UNSTOW	S/P TO 153 deg cone	400	4	0	5,592,269:10:0	
479	0	189	01:25:12.733	444FF443A4B	7MODE	CRU	AACS CRUISE MODE	400	4	0	5,592,273:06:0	
480	0	189	01:30:22.733	488CG6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	400	4	0	5,592,278:16:0	
481	0	189	01:37:23.400	488CG6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	400	4	0	5,592,285:10:0	
482	0	189	01:39:26.066	20FH4A	7SAFE	STOP	S/P NO MOVEMENT	400	4	0	5,592,287:12:0	
483	0	189	01:40:16.066	20FH4B	7SLEW	DIS,POS,0,0	Stator movement	400	4	0	5,592,287:87:0	
484	0	189	01:41:19.400	176FH6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	400	4	0	5,592,289:00:0	
485	0	189	02:20:49.400	28NNPCTRLT01-		-----STOP-----		400	4	0	:	:
486	0	189	06:49:28.733	488CG6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	400	4	0	5,592,593:70:0	
487	0	189	08:16:48.666	488CH6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	400	4	0	5,592,680:13:0	
488	0	189	08:53:52.666	488CH6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	400	4	0	5,592,716:73:0	
489	0	189	12:13:00.000	488CH6C	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	400	4	0	5,592,913:67:0	
490	0	189	12:16:18.000	176UA6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	400	4	0	5,592,917:00:0	
491	0	189	12:26:00.000	20SH4C	7STAT	10,00,238.53,-19	Stator inertial point	400	4	0	5,592,926:54:0	
492	0	189	12:26:12.000	20SH6D	6MROH	7,6744,0,A,10	read from AACSA7,6744,0,A,10	400	4	0	5,592,926:72:0	
493	0	189	12:40:14.666	488CH6D	6TMSED	NORM,AH2	Sci, Eng, and D/L Chan	400	4	0	5,592,940:62:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
494	0	189	12:45:02.000	490UB412A4B	7MODE	INT	AACS INERTIAL MODE	400	4	0	5,592,945:38:0	
495	0	189	12:50:00.000	490UB412A4D	7SAFE	UNSTOW	S/P TO 153 deg cone	400	4	0	5,592,950:30:0	
496	0	189	12:50:20.000	20SH4D	7STAT	17.45,238.53,-19	Stator inertial point	400	4	0	5,592,950:60:0	
497	0	189	12:54:10.000	490UB412A4E	7VECT		Inert vect update UTC	400	4	0	5,592,954:41:0	
498	0	189	12:54:14.000	490UB412A4F	7TURN	2,RTH	ALERT Thruster	400	4	0	5,592,954:47:0	
499	0	189	12:58:02.000	490UB412A406A4A	7STAR	1,425,331.28	Star catalog update	400	4	0	5,592,958:25:0	
500	0	189	12:58:04.000	490UB412A406A4B	7STAR	2,253,200.48	Star catalog update	400	4	0	5,592,958:28:0	
501	0	189	12:58:06.000	490UB412A406A4C	7STAR	3,128,295.85	Star catalog update	400	4	0	5,592,958:31:0	
502	0	189	12:58:08.000	490UB412A406A4D	7STAR	4,0,0,0,0,0,0	Star catalog update	400	4	0	5,592,958:34:0	
503	0	189	12:58:10.000	490UB412A406A4E	7STAR	5,0,0,0,0,0,0	Star catalog update	400	4	0	5,592,958:37:0	
504	0	189	12:58:12.000	490UB412A406A4F	7STAR	6,0,0,0,0,0,0	Star catalog update	400	4	0	5,592,958:40:0	
505	0	189	13:08:06.000	20SH4F	7SLEW	DIS,POS,0,0	Stator movement	400	4	0	5,592,968:21:0	
506	0	189	13:16:10.000	490UB412A4G	7MODE	CRU	AACS CRUISE MODE	400	4	0	5,592,976:19:0	
507	0	189	14:02:03.333	488C6E	6TMSED	FILL,AH2	Sci, Eng, and D/L Chan	400	4	0	5,593,021:54:0	
508	0	189	14:05:34.666	488C6A	6TMSED	FILL,AH1	Sci, Eng, and D/L Chan	400	4	0	5,593,025:07:0	
509	0	189	14:41:50.666	488C6B	6TMSED	FILL,AH4	Sci, Eng, and D/L Chan	400	4	0	5,593,060:86:0	
510	0	189	14:50:04.000	20US4A	7SAFE	STOP	S/P NO MOVEMENT	400	4	0	5,593,069:07:0	
511	0	189	14:50:54.000	20US4B	7SLEW	DIS,POS,0,0	Stator movement	400	4	0	5,593,069:82:0	
512	0	189	14:51:00.000	488C6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,593,070:00:0	
513	0	189	14:52:00.666	176UB6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	400	4	0	5,593,071:00:0	
514	0	189	18:13:10.666	488C6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,593,269:87:0	
515	0	189	18:59:58.666	488C6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,593,316:22:0	
516	0	190	01:11:10.666	488C6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,593,683:33:0	
517	0	190	01:34:33.333	488C6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,593,706:44:0	
518	0	190	10:33:14.666	488C6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,594,239:23:0	
519	0	190	11:14:54.666	488C6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,594,280:42:0	
520	0	190	18:17:23.266	488C6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,594,698:27:0	
521	0	190	20:06:29.933	488C6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,594,806:19:0	
522	0	191	01:11:10.600	488C6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,595,107:49:0	
523	0	191	01:54:37.933	488C6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,595,150:47:0	
524	0	191	11:08:19.266	488C6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,595,698:11:0	
525	0	191	11:19:10.600	488C6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,595,708:78:0	
526	0	191	17:51:39.933	488C6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,596,097:03:0	
527	0	191	17:55:58.600	488C6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	400	4	0	5,596,101:27:0	
528	0	191	18:04:41.266	488C6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	400	4	0	5,596,109:83:0	
529	0	191	18:38:38.600	488C6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,596,143:45:0	
530	0	191	19:23:39.933	488C6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,596,188:02:0	
531	0	191	19:57:19.266	488C6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,596,221:28:0	
532	0	192	00:59:43.933	488C6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,596,520:36:0	
533	0	193	10:03:30.533	488C6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,598,482:34:0	
534	0	193	10:59:58.533	488C6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,598,538:20:0	
535	0	193	17:47:06.466	488C6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,598,940:80:0	
536	0	193	17:51:42.466	488C6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	400	4	0	5,598,945:39:0	
537	0	193	17:59:52.466	488C6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	400	4	0	5,598,953:46:0	
538	0	193	18:30:06.466	488C6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,598,983:37:0	
539	0	193	19:18:29.133	488C6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,599,031:23:0	
540	0	193	19:52:08.466	488C6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,599,064:49:0	
541	0	194	00:44:55.133	488C6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,599,354:09:0	
542	0	194	09:58:36.466	488C6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,599,901:64:0	
543	0	194	10:53:34.466	488C6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,599,956:06:0	
544	0	194	17:42:33.800	488C6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,600,360:51:0	
545	0	194	17:47:26.466	488C6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,600,365:35:0	
546	0	194	17:53:37.133	488C6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,600,371:45:0	
547	0	194	18:38:38.466	488C6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,600,416:02:0	
548	0	195	01:02:38.400	488C6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,600,795:73:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
549	0	195	01:19:37.733	488CV6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,600,812:55:0	
550	0	195	01:26:06.400	488CV6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	400	4	0	5,600,819:01:0	
551	0	195	09:25:01.733	488CW6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	400	4	0	5,601,292:61:0	
552	0	195	09:34:38.400	488CW6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,601,302:16:0	
553	0	195	10:49:18.400	488CW6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,601,376:02:0	
554	0	195	11:26:41.733	176UM6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	400	4	0	5,601,413:00:0	
555	0	195	11:32:45.733		DMS:	: *SLEW-TIC	P7, TRACK *1, FWD, TIC 3799.75 +/-	400	4	0	5,601,419:00:0	
556	0	195	11:32:45.733	465WA6A	6DMST		5000 DMS Slew to TIC	400	4	0	5,601,419:00:0	
557	0	195	11:32:45.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 3799.75 +/-	400	4	0	5,601,419:00:0	
558	0	195	11:32:52.400		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 3799.75 +/-	400	4	0	5,601,419:10:0	
559	0	195	11:32:53.800		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC *3799.87 +/-	400	4	0	5,601,419:12:1	
560	0	195	12:58:04.533		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *4997.94 +/-	400	4	0	5,601,503:34:2	
561	0	195	12:58:05.733		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4998.00 +/-	400	4	0	5,601,503:36:0	
562	0	195	13:47:01.733	488CW6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,601,551:72:0	
563	0	195	13:50:38.400	488CW6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,601,555:33:0	
564	0	195	17:26:27.066		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 4998.00 +/-	400	4	0	5,601,768:73:0	
565	0	195	17:26:27.066	465WB6A	6DMSC	P100.4	DMS Control Tape P/B 100.8kpbs	400	4	0	5,601,768:73:0	
566	0	195	17:26:28.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4998.12 +/-	400	4	0	5,601,768:75:1	
567	0	195	17:26:33.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4999.35 +/-	400	4	0	5,601,768:83:0	
568	0	195	17:26:34.933		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *4999.41 +/-	400	4	0	5,601,768:84:8	
569	0	195	17:26:38.800		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *4993.91 +/-	400	4	0	5,601,768:90:6	
570	0	195	17:26:38.800		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 4993.91 +/-	400	4	0	5,601,768:90:6	
571	0	195	17:48:43.733	488CX6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,601,790:76:0	
572	0	195	17:52:19.066		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 255.79 +/-	400	4	0	5,601,794:35:0	
573	0	195	17:52:19.066	465WB6B	6DMSC	RDY.4	DMS Control Tape stop	400	4	0	5,601,794:35:0	
574	0	195	17:52:20.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 254.99 +/-	400	4	0	5,601,794:36:8	
575	0	195	18:34:22.400	488CX6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,601,835:89:0	
576	0	195	19:51:07.733		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 254.99 +/-	400	4	0	5,601,911:81:0	
577	0	195	19:51:07.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 254.99 +/-	400	4	0	5,601,911:81:0	
578	0	195	19:51:07.733	465WC6A	6DTRN	CMD.6DTRN,465WC6	DMS TRACK TURNAROUND	400	4	0	5,601,911:81:0	
579	0	195	19:51:09.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 255.11 +/-	400	4	0	5,601,911:83:1	
580	0	195	19:51:14.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 256.34 +/-	400	4	0	5,601,912:00:0	
581	0	195	19:51:15.600		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 256.40 +/-	400	4	0	5,601,912:01:8	
582	0	195	19:51:17.000		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 256.28 +/-	400	4	0	5,601,912:03:9	
583	0	195	19:55:09.066	488CX6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,601,915:79:0	
584	0	195	19:55:17.666		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	400	4	0	5,601,916:00:9	
585	0	195	19:55:18.866		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	400	4	0	5,601,916:02:7	
586	0	195	19:55:18.866		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	400	4	0	5,601,916:02:7	
587	0	195	19:55:20.266		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	400	4	0	5,601,916:04:8	
588	0	195	19:55:32.266		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	400	4	0	5,601,916:22:8	
589	0	195	19:55:33.466		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	400	4	0	5,601,916:24:6	
590	0	195	20:01:10.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	400	4	0	5,601,921:75:0	
591	0	195	20:01:10.400	465WD6A	6DMSC	P100.1	DMS Control Tape P/B 100.8kpbs	400	4	0	5,601,921:75:0	
592	0	195	20:01:17.066		DMS:	: *RUNUP	P100, TRACK 1, FWD, TIC 202.12 +/-	400	4	0	5,601,921:85:0	
593	0	195	20:01:20.933		DMS:	: *AT_SPD	P100, TRACK 1, FWD, TIC 207.62 +/-	400	4	0	5,601,921:90:8	
594	0	195	20:01:20.933		DMS:	: *P_SLEW	P100, TRACK 1, FWD, TIC * 207.62 +/-	400	4	0	5,601,921:90:8	
595	0	195	20:33:04.400		DMS:	: *RUNDOWN	P100, TRACK 1, FWD, TIC *6063.01 +/-	400	4	0	5,601,953:34:0	
596	0	195	20:33:04.400	465WD6B	6DMSC	RDY.1	DMS Control Tape stop	400	4	0	5,601,953:34:0	
597	0	195	20:33:05.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *6063.81 +/-	400	4	0	5,601,953:35:8	
598	0	195	20:48:40.400		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 6063.81 +/-	400	4	0	5,601,968:73:0	
599	0	195	20:48:40.400	465WE6A	6DMSC	P100.2	DMS Control Tape P/B 100.8kpbs	400	4	0	5,601,968:73:0	
600	0	195	20:48:41.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.93 +/-	400	4	0	5,601,968:75:1	
601	0	195	20:48:47.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6065.17 +/-	400	4	0	5,601,968:83:0	
602	0	195	20:48:48.266		DMS:	: *RUNUP	P100, TRACK *2, *REV, TIC *6065.23 +/-	400	4	0	5,601,968:84:8	
603	0	195	20:48:52.133		DMS:	: *P_SLEW	P100, TRACK 2, REV, TIC *6059.73 +/-	400	4	0	5,601,968:90:6	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
604	0	195	20:48:52.133		DMS:	: *AT_SPD	P100, TRACK 2, REV, TIC 6059.73 +/-	400	4	0	5,601,968	90:6
605	0	195	21:20:48.400	465WF6A	6DMSC	P100.3	DMS Control Tape P/B 100.8kpbs	400	4	0	5,602,000	53:0
606	0	195	21:20:48.400		DMS:	: *RUNDOWN	P100, TRACK 2, REV, TIC * 164.96 +/-	400	4	0	5,602,000	53:0
607	0	195	21:20:49.600		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 164.16 +/-	400	4	0	5,602,000	54:8
608	0	195	21:20:53.466		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 169.66 +/-	400	4	0	5,602,000	60:6
609	0	195	21:20:53.466		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 169.66 +/-	400	4	0	5,602,000	60:6
610	0	195	21:52:49.066	465WF6B	6DMSC	RDY.3	DMS Control Tape stop	400	4	0	5,602,032	22:0
611	0	195	21:52:49.066		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC *6062.38 +/-	400	4	0	5,602,032	22:0
612	0	195	21:52:50.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *6063.18 +/-	400	4	0	5,602,032	23:8
613	0	195	22:07:32.400		DMS:	: *US-RUNUP	P7, TRACK *1, FWD, TIC 6063.18 +/-	400	4	0	5,602,046	73:0
614	0	195	22:07:32.400	465WG6A	6DMSC	P100.4	DMS Control Tape P/B 100.8kpbs	400	4	0	5,602,046	73:0
615	0	195	22:07:33.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.30 +/-	400	4	0	5,602,046	75:1
616	0	195	22:07:39.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6064.53 +/-	400	4	0	5,602,046	83:0
617	0	195	22:07:40.266		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *6064.59 +/-	400	4	0	5,602,046	84:8
618	0	195	22:07:44.133		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 6059.09 +/-	400	4	0	5,602,046	90:6
619	0	195	22:07:44.133		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *6059.09 +/-	400	4	0	5,602,046	90:6
620	0	195	22:39:39.733		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 166.38 +/-	400	4	0	5,602,078	52:0
621	0	195	22:39:39.733	465WH6A	6DMSC	P100.3	DMS Control Tape P/B 100.8kpbs	400	4	0	5,602,078	52:0
622	0	195	22:39:40.933		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 165.58 +/-	400	4	0	5,602,078	53:8
623	0	195	22:39:44.800		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 171.08 +/-	400	4	0	5,602,078	59:6
624	0	195	22:39:44.800		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 171.08 +/-	400	4	0	5,602,078	59:6
625	0	195	22:40:45.733	465WH6B	6DMSC	RDY.3	DMS Control Tape stop	400	4	0	5,602,079	60:0
626	0	195	22:40:45.733		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC * 358.52 +/-	400	4	0	5,602,079	60:0
627	0	195	22:40:46.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 359.32 +/-	400	4	0	5,602,079	61:8
628	0	195	22:41:59.066	488CX6D	6TMSED	NORM/AL5	Sci, Eng, and D/L Chan	400	4	0	5,602,080	79:0
629	0	195	22:55:15.733	465WI6A	6DMSC	RDY.4	DMS Control Tape stop	400	4	0	5,602,094	00:0
630	0	195	22:55:15.733		DMS:	: *READY	RDY, TRACK *4, *REV, TIC 359.32 +/-	400	4	0	5,602,094	00:0
631	0	195	22:56:09.733		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 359.32 +/-	400	4	0	5,602,094	81:0
632	0	195	22:56:09.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 359.32 +/-	400	4	0	5,602,094	81:0
633	0	195	22:56:09.733	465WJ6A	6DTRN	CMD.6DTRN.465WJ6	DMS TRACK TURNAROUND	400	4	0	5,602,094	81:0
634	0	195	22:56:11.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 359.44 +/-	400	4	0	5,602,094	83:1
635	0	195	22:56:16.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 360.67 +/-	400	4	0	5,602,095	00:0
636	0	195	22:56:17.600		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 360.73 +/-	400	4	0	5,602,095	01:8
637	0	195	22:56:19.000		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 360.61 +/-	400	4	0	5,602,095	03:9
638	0	195	23:07:44.800		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	400	4	0	5,602,106	31:6
639	0	195	23:07:46.000		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	400	4	0	5,602,106	33:4
640	0	195	23:07:46.000		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	400	4	0	5,602,106	33:4
641	0	195	23:07:47.400		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	400	4	0	5,602,106	35:5
642	0	195	23:07:59.400		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	400	4	0	5,602,106	53:5
643	0	195	23:08:00.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	400	4	0	5,602,106	55:3
644	0	196	00:01:59.733	20UR4B	7SLEW	DIS.POS.0.0	Stator movement	400	4	0	5,602,160	00:0
645	0	196	00:02:59.733	20UR4D	7MODE	SPNL	AACS ALL-SPIN LOW	400	4	0	5,602,160	90:0
646	0	196	00:04:59.733	20UR4E	7SAFE	UNSTOW	S/P TO 153 deg cone	400	4	0	5,602,162	88:0
647	0	196	00:10:29.733	20UR4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	400	4	0	5,602,168	37:0
648	0	196	00:10:30.400	20UR4H	7VENT	0.611,1.0989,8	ALERT -- Thruster fire	400	4	0	5,602,168	38:0
649	0	196	00:10:50.400	20UR4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	400	4	0	5,602,168	68:0
650	0	196	00:10:51.066	20UR4J	7VENT	0.611,1.0989,6	ALERT -- Thruster fire	400	4	0	5,602,168	69:0
651	0	196	00:11:11.066	20UR4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	400	4	0	5,602,169	08:0
652	0	196	00:11:11.733	20UR4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	400	4	0	5,602,169	09:0
653	0	196	00:11:21.733	20UR4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	400	4	0	5,602,169	24:0
654	0	196	00:11:22.400	20UR4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	400	4	0	5,602,169	25:0
655	0	196	00:11:32.400	20UR4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	400	4	0	5,602,169	40:0
656	0	196	00:11:33.066	20UR4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	400	4	0	5,602,169	41:0
657	0	196	00:13:19.733	20UR4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	400	4	0	5,602,171	19:0
658	0	196	00:13:20.400	20UR4T	7VENT	0.611,1.0989,7	ALERT -- Thruster fire	400	4	0	5,602,171	20:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
659	0	196	00:13:40.400	20UR4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	400	4	0	5,602,171:50:0	
660	0	196	00:13:41.066	20UR4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	400	4	0	5,602,171:51:0	
661	0	196	00:14:01.066	20UR4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	400	4	0	5,602,171:81:0	
662	0	196	00:14:01.733	20UR4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	400	4	0	5,602,171:82:0	
663	0	196	00:14:11.733	20UR4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	400	4	0	5,602,172:06:0	
664	0	196	00:14:12.400	20UR4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	400	4	0	5,602,172:07:0	
665	0	196	00:14:22.400	20UR4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	400	4	0	5,602,172:22:0	
666	0	196	00:14:23.066	20UR4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	400	4	0	5,602,172:23:0	
667	0	196	00:15:19.733	20UR4Z	7MODE	CRU	AACS CRUISE MODE	400	4	0	5,602,173:17:0	
668	0	196	00:40:03.733	20UY4A	7SAFE	DIS,POS,0.0	SIP NO MOVEMENT	400	4	0	5,602,197:59:0	
669	0	196	00:40:53.733	20UY4B	7SLEW		Stator movement	400	4	0	5,602,198:43:0	
670	0	196	00:42:26.400	176UZ6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	400	4	0	5,602,200:00:0	
671	0	196	00:56:14.400	488CY6A	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,602,213:59:0	
672	0	196	01:20:06.400	488CY6B	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,602,237:23:0	
673	0	196	09:53:47.666	488CZ6A	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,602,745:27:0	
674	0	196	11:23:14.333	488CZ6B	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,602,833:69:0	
675	0	196	11:56:53.666	488CZ6C	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,602,867:04:0	
676	0	196	17:35:09.000	488DA6A	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,603,201:53:0	
677	0	196	17:48:49.666	488DA6B	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,603,215:10:0	
678	0	196	18:34:22.333	488DA6C	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,603,260:14:0	
679	0	196	19:10:58.333	488DA6D	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,603,296:32:0	
680	0	196	19:40:04.333	488DA6E	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,603,325:12:0	
681	0	196	21:25:02.333	488DB6A	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,603,428:86:0	
682	0	196	22:07:42.333	488DB6B	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,603,471:13:0	
683	0	197	00:56:14.333	488DB6C	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,603,637:75:0	
684	0	197	01:15:12.333	488DB6D	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,603,656:53:0	
685	0	197	09:48:53.666	488DC6A	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,604,164:57:0	
686	0	197	10:38:38.333	488DC6B	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,604,213:75:0	
687	0	197	17:32:32.333	488DD6A	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,604,623:16:0	
688	0	197	17:36:46.333	488DD6B	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,604,627:33:0	
689	0	197	17:43:55.666	488DD6C	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,604,634:40:0	
690	0	197	18:30:06.333	488DD6D	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,604,680:10:0	
691	0	197	21:10:06.266	488DD6E	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,604,838:32:0	
692	0	197	22:16:14.266	488DE6A	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,604,903:69:0	
693	0	198	00:56:14.266	488DE6B	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,605,062:00:0	
694	0	198	01:10:16.933	488DE6C	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,605,075:81:0	
695	0	198	09:48:58.266	488DF6A	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,605,588:80:0	
696	0	198	10:34:22.266	488DF6B	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,605,633:71:0	
697	0	198	17:32:22.933	488DG6A	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,606,047:18:0	
698	0	198	17:36:46.266	488DG6B	6TMSED	FILL,AL3	Sci. Eng. and D/L Chan	400	4	0	5,606,051:49:0	
699	0	198	17:45:20.266	488DG6C	6TMSED	NORM,AL3	Sci. Eng. and D/L Chan	400	4	0	5,606,060:01:0	
700	0	198	18:08:46.266	488DG6D	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,606,083:17:0	
701	0	198	19:03:00.266	488DG6E	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,606,136:75:0	
702	0	198	19:36:39.600	488DH6A	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,606,170:10:0	
703	0	198	22:45:12.933	488DH6B	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,606,356:54:0	
704	0	198	22:52:30.266	488DH6C	6TMSED	FILL,AL3	Sci. Eng. and D/L Chan	400	4	0	5,606,363:73:0	
705	0	199	09:10:24.866	488DI6A	6TMSED	NORM,AL3	Sci. Eng. and D/L Chan	400	4	0	5,606,974:84:0	
706	0	199	09:19:42.200	488DI6B	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,606,984:10:0	
707	0	199	10:30:06.200	488DI6C	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,607,053:67:0	
708	0	199	13:47:59.533	488DI6D	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,607,249:41:0	
709	0	199	13:52:46.200	488DI6E	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,607,254:16:0	
710	0	200	17:34:12.133	488DJ6A	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,608,897:32:0	
711	0	200	18:15:10.133	488DJ6B	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,608,937:79:0	
712	0	200	20:44:30.133	488DJ6C	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,609,085:51:0	
713	0	200	22:16:14.133	488DJ6D	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,609,176:26:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
714	0	201	00:47:42.133	488DK6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,609,326:08:0	
715	0	201	01:10:35.466	488DK6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,609,348:66:0	
716	0	201	09:39:16.133	488DL6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,609,851:74:0	
717	0	201	11:07:44.133	488DL6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,609,939:28:0	
718	0	201	11:41:23.466	488DL6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,609,972:54:0	
719	0	201	14:20:39.466	488DL6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,610,130:10:0	
720	0	201	17:34:18.133	488DM6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,610,321:57:0	
721	0	201	18:15:10.133	488DM6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,610,362:04:0	
722	0	201	20:50:54.133	488DM6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,610,516:06:0	
723	0	201	22:01:18.133	488DM6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,610,585:63:0	
724	0	202	00:41:18.133	488DN6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,610,743:85:0	
725	0	202	01:00:41.466	488DN6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,610,763:10:0	
726	0	202	17:29:24.733	488DO6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,611,740:88:0	
727	0	202	18:15:10.066	488DO6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,611,786:20:0	
728	0	202	21:05:50.066	488DO6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,611,955:01:0	
729	0	202	21:46:22.066	488DO6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,611,995:09:0	
730	0	202	23:48:02.733	488DP6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,612,115:40:0	
731	0	202	23:52:14.066	488DP6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,612,119:53:0	
732	0	203	09:39:29.400	488DQ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,612,700:35:0	
733	0	203	10:19:26.066	488DQ6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,612,739:81:0	
734	0	203	17:23:21.333	488DR6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,613,159:14:0	
735	0	203	17:28:14.000	488DR6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	400	4	0	5,613,163:89:0	
736	0	203	17:40:51.333	488DR6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	400	4	0	5,613,176:42:0	
737	0	203	17:55:58.000	488DR6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,613,191:37:0	
738	0	203	19:07:30.000	488DR6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,613,262:14:0	
739	0	203	19:41:09.333	488DS6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,613,295:40:0	
740	0	203	23:45:53.333	488DS6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,613,537:44:0	
741	0	204	09:29:35.333	488DT6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,614,114:70:0	
742	0	204	10:19:26.000	488DT6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,614,164:06:0	
743	0	204	17:13:16.000	488DU6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,614,573:32:0	
744	0	204	17:17:34.000	488DU6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,614,577:55:0	
745	0	204	17:24:37.333	488DU6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,614,584:53:0	
746	0	204	18:10:54.000	488DU6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,614,630:32:0	
747	0	204	23:48:11.266	488DV6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,614,963:85:0	
748	0	204	23:52:13.933	488DV6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,614,967:85:0	
749	0	205	09:24:41.266	488DW6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,615,534:09:0	
750	0	205	10:19:25.933	488DW6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,615,588:22:0	
751	0	205	17:08:34.600	488DX6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,615,992:81:0	
752	0	205	17:13:17.933	488DX6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,615,997:51:0	
753	0	205	17:19:43.266	488DX6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,616,003:83:0	
754	0	205	18:10:53.933	488DX6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,616,054:48:0	
755	0	205	23:47:38.600	488DY6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,616,387:52:0	
756	0	205	23:52:13.933	488DY6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	400	4	0	5,616,392:10:0	
757	0	206	08:55:07.866	488DZ6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	400	4	0	5,616,929:04:0	
758	0	206	09:00:29.866	488DZ6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	400	4	0	5,616,934:32:0	
759	0	206	09:19:41.866	488DZ6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,616,953:31:0	
760	0	206	10:17:13.200	488DZ6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,617,010:21:0	
761	0	206	10:50:52.533	488DZ6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,617,043:47:0	
762	0	206	12:59:59.866	481UC4A	7VECT	BB1	Inert vect update UTC	400	4	0	5,617,171:20:0	
763	0	206	13:46:10.533	488EA6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,617,216:81:0	
764	0	206	17:54:50.533	488EA6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,617,462:75:0	
765	0	206	18:06:37.866	488EA6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,617,474:44:0	
766	0	206	20:48:34.533	488EB6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,617,634:59:0	
767	0	206	20:53:01.866	488EB6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,617,639:05:0	
768	0	207	09:19:54.533	488EC6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,618,377:66:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
769	0	207	10:15:09.866	488EC6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,618,432:34:0	
770	0	207	17:03:15.200	488ED6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,618,835:89:0	
771	0	207	17:06:53.866	488ED6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,618,839:53:0	
772	0	207	17:14:56.533	488ED6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,618,847:49:0	
773	0	207	18:06:37.800	488ED6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,618,898:60:0	
774	0	207	22:04:04.466	488ED6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,619,133:45:0	
775	0	208	10:33:13.800	488EE6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,619,874:38:0	
776	0	208	17:02:37.800	488EF6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,620,259:49:0	
777	0	208	18:00:13.800	488EF6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,620,316:46:0	
778	0	208	23:08:59.800	488EG6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,620,621:80:0	
779	0	208	23:13:49.800	488EG6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,620,626:60:0	
780	0	209	09:15:07.733	488EH6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,621,221:32:0	
781	0	209	10:41:54.400	488EH6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,621,307:16:0	
782	0	209	11:15:33.733	488EH6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,621,340:42:0	
783	0	209	13:46:29.066	488EH6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,621,489:66:0	
784	0	209	17:10:09.733	488EI6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,621,691:15:0	
785	0	209	18:00:13.733	488EI6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,621,740:62:0	
786	0	209	23:09:03.733	488EI6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,622,046:11:0	
787	0	209	23:13:49.733	488EJ6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,622,050:76:0	
788	0	210	09:10:13.733	488EK6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,622,640:62:0	
789	0	210	10:10:53.733	488EK6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,622,700:62:0	
790	0	210	12:53:35.733	488EK6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,622,861:54:0	
791	0	210	12:57:17.733	488EK6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,622,865:23:0	
792	0	210	17:05:15.666	488EL6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,623,110:45:0	
793	0	210	17:55:57.666	488EL6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,623,160:58:0	
794	0	211	00:02:53.666	488EM6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,623,523:49:0	
795	0	211	00:31:38.333	488EM6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,623,551:88:0	
796	0	211	09:10:20.333	488EN6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,624,064:88:0	
797	0	211	10:06:37.666	488EN6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,624,120:58:0	
798	0	211	16:54:05.666	488EO6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	400	4	0	5,624,523:57:0	
799	0	211	17:11:09.666	488EO6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	400	4	0	5,624,540:46:0	
800	0	211	17:41:01.666	488EO6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,624,570:04:0	
801	0	211	18:21:39.000	488EO6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,624,610:20:0	
802	0	211	18:55:18.333	488EO6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,624,643:46:0	
803	0	212	00:13:33.600	488EP6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	400	4	0	5,624,958:24:0	
804	0	212	00:29:40.266	488EP6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	400	4	0	5,624,974:18:0	
805	0	212	00:41:17.600	488EP6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,624,985:63:0	
806	0	212	09:15:26.266	488EQ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,625,494:17:0	
807	0	212	10:06:37.600	488EQ6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,625,544:74:0	
808	0	212	16:54:05.600	488ER6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,625,947:73:0	
809	0	212	17:55:57.600	488ER6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,626,008:90:0	
810	0	212	23:03:00.933	488ES6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,626,312:61:0	
811	0	212	23:07:25.600	488ES6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	400	4	0	5,626,317:03:0	
812	0	213	00:50:51.600	488ES6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	400	4	0	5,626,419:30:0	
813	0	213	00:56:13.600	488ES6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	400	4	0	5,626,424:58:0	
814	0	213	01:11:09.600	488ES6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,626,439:37:0	
815	0	213	03:36:13.600	488ET6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,626,582:80:0	
816	0	213	08:17:49.600	488ET6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	400	4	0	5,626,861:35:0	
817	0	213	08:41:17.600	488ET6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,626,884:54:0	
818	0	213	10:06:37.533	488EU6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,626,968:90:0	
819	0	213	13:48:16.200	488EU6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,627,188:18:0	
820	0	213	13:52:45.533	488EU6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	400	4	0	5,627,192:58:0	
821	0	214	00:45:57.533	488EV6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	400	4	0	5,627,838:60:0	
822	0	214	01:00:29.533	488EV6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	400	4	0	5,627,853:03:0	
823	0	214	01:47:25.533	488EV6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,627,899:41:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
824	0	214	02:11:23.533	488EV6D	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,627,923:14:0	
825	0	214	02:45:02.200	488EV6E	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,627,956:39:0	
826	0	214	08:22:01.533	488EW6A	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,628,289:65:0	
827	0	214	16:55:42.200	488EX6A	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,628,797:68:0	
828	0	214	17:51:41.533	488EX6B	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,628,853:11:0	
829	0	214	23:43:41.466	488EY6A	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,629,201:23:0	
830	0	215	00:22:05.466	488EY6B	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,629,239:21:0	
831	0	215	08:55:47.466	488EZ6A	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,629,747:26:0	
832	0	215	10:02:21.466	488EZ6B	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,629,813:11:0	
833	0	215	16:39:21.466	488FA6A	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,630,205:69:0	
834	0	215	16:43:25.466	488FA6B	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,630,209:71:0	
835	0	215	16:50:49.466	488FA6C	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,630,217:09:0	
836	0	215	17:47:25.466	488FA6D	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,630,273:07:0	
837	0	215	23:39:25.466	488FB6A	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,630,621:19:0	
838	0	216	00:17:00.800	488FB6B	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,630,658:35:0	
839	0	216	00:24:13.466	488FB6C	6TMSED	FILL,AL3	Sci. Eng. and D/L Chan	400	4	0	5,630,665:47:0	
840	0	216	08:17:13.400	488FC6A	6TMSED	NORM,AL3	Sci. Eng. and D/L Chan	400	4	0	5,631,133:29:0	
841	0	216	08:26:21.400	488FC6B	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,631,142:32:0	
842	0	216	09:55:57.400	488FC6C	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,631,230:88:0	
843	0	216	10:56:39.400	176UG6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	400	4	0	5,631,291:00:0	
844	0	216	11:02:00.066	20UU4B	7MSLEW	DIS,POS,0.0	Stator movement	400	4	0	5,631,296:26:0	
845	0	216	11:03:00.066	20UU4D	7MODE	SPNL	AACS ALL-SPIN LOW	400	4	0	5,631,297:25:0	
846	0	216	11:05:00.066	20UU4E	7SAFE	UNSTOW	SIP TO 153 deg cone	400	4	0	5,631,299:23:0	
847	0	216	11:10:30.066	20UU4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	400	4	0	5,631,304:63:0	
848	0	216	11:10:30.733	20UU4H	7VENT	0.611,1.0989,8	ALERT -- Thruster fire	400	4	0	5,631,304:64:0	
849	0	216	11:10:50.733	20UU4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	400	4	0	5,631,305:03:0	
850	0	216	11:10:51.400	20UU4J	7VENT	0.611,1.0989,6	ALERT -- Thruster fire	400	4	0	5,631,305:04:0	
851	0	216	11:11:11.400	20UU4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	400	4	0	5,631,305:34:0	
852	0	216	11:11:12.066	20UU4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	400	4	0	5,631,305:35:0	
853	0	216	11:11:22.066	20UU4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	400	4	0	5,631,305:50:0	
854	0	216	11:11:22.733	20UU4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	400	4	0	5,631,305:51:0	
855	0	216	11:11:32.733	20UU4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	400	4	0	5,631,305:66:0	
856	0	216	11:11:33.400	20UU4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	400	4	0	5,631,305:67:0	
857	0	216	11:13:20.066	20UU4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	400	4	0	5,631,307:45:0	
858	0	216	11:13:20.733	20UU4T	7VENT	0.611,1.0989,7	ALERT -- Thruster fire	400	4	0	5,631,307:46:0	
859	0	216	11:13:40.733	20UU4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	400	4	0	5,631,307:76:0	
860	0	216	11:13:41.400	20UU4V	7VENT	0.611,1.0989,1	ALERT -- Thruster fire	400	4	0	5,631,307:77:0	
861	0	216	11:14:01.400	20UU4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	400	4	0	5,631,308:16:0	
862	0	216	11:14:02.066	20UU4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	400	4	0	5,631,308:17:0	
863	0	216	11:14:12.066	20UU4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	400	4	0	5,631,308:32:0	
864	0	216	11:14:12.733	20UU4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	400	4	0	5,631,308:33:0	
865	0	216	11:14:22.733	20UU4AW	7VENT	1.211,1.333,9	ALERT -- Thruster fire	400	4	0	5,631,308:48:0	
866	0	216	11:14:23.400	20UU4AX	7VENT	1.211,0.666,11	ALERT -- Thruster fire	400	4	0	5,631,308:49:0	
867	0	216	11:15:20.066	20UU4Z	7MODE	CRU	AACS CRUISE MODE	400	4	0	5,631,309:43:0	
868	0	216	11:40:04.066	20UG4A	7SAFE	STOP	SIP NO MOVEMENT	400	4	0	5,631,333:85:0	
869	0	216	11:40:54.066	20UG4B	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5,631,334:69:0	
870	0	216	11:42:09.400	176UH6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	400	4	0	5,631,336:00:0	
871	0	216	13:49:48.066	488FC6D	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,631,462:22:0	
872	0	216	13:54:53.400	488FC6E	6TMSED	FILL,AL2	Sci. Eng. and D/L Chan	400	4	0	5,631,467:25:0	
873	0	216	16:51:16.733	488FD6A	6TMSED	NORM,AL2	Sci. Eng. and D/L Chan	400	4	0	5,631,641:66:0	
874	0	216	16:56:13.400	488FD6B	6TMSED	NORM,AL3	Sci. Eng. and D/L Chan	400	4	0	5,631,646:56:0	
875	0	216	17:32:29.400	488FD6C	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,631,682:44:0	
876	0	216	18:01:05.400	488FD6D	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,631,710:70:0	
877	0	216	18:34:44.733	488FD6E	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,631,744:05:0	
878	0	216	23:47:57.400	488FE6A	6TMSED	NORM,AL3	Sci. Eng. and D/L Chan	400	4	0	5,632,053:75:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
879	0	217	00:14:50.066	488FE6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	400	4	0	5,632,080:37:0	
880	0	217	00:24:13.400	488FE6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	400	4	0	5,632,089:63:0	
881	0	217	00:41:18.733	488FE6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	400	4	0	5,632,106:54:0	
882	0	217	00:47:41.400	488FE6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	400	4	0	5,632,112:82:0	
883	0	217	01:02:37.400	488FF6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,632,127:61:0	
884	0	217	01:46:03.400	488FF6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,632,170:57:0	
885	0	217	02:19:42.733	488FF6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,632,203:83:0	
886	0	217	03:36:13.400	488FF6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,632,279:53:0	
887	0	217	08:19:45.400	488FG6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,632,560:00:0	
888	0	217	08:24:13.400	488FG6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,632,564:38:0	
889	0	217	16:46:03.333	488FH6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,633,060:67:0	
890	0	217	17:41:01.333	488FH6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,633,115:09:0	
891	0	217	23:33:01.333	488FI6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,633,463:21:0	
892	0	218	00:12:20.666	488FI6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,633,502:11:0	
893	0	218	00:19:57.333	488FI6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	400	4	0	5,633,509:59:0	
894	0	218	00:37:25.333	488FI6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	400	4	0	5,633,526:84:0	
895	0	218	00:56:13.333	488FI6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,633,545:47:0	
896	0	218	03:36:13.333	488FI6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,633,703:69:0	
897	0	218	08:19:50.000	488FI6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,633,984:23:0	
898	0	218	08:24:13.333	488FI6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,633,988:54:0	
899	0	218	16:41:10.666	488FK6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,634,480:08:0	
900	0	218	17:41:01.333	488FK6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,634,539:25:0	
901	0	218	23:28:45.333	488FL6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,634,883:17:0	
902	0	219	00:12:33.333	488FL6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,634,926:46:0	
903	0	219	09:06:14.600	488FM6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,635,454:30:0	
904	0	219	10:30:45.933	488FM6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,635,537:84:0	
905	0	219	11:04:25.266	488FM6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,635,571:19:0	
906	0	219	15:47:37.266	488FN6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,635,851:27:0	
907	0	219	16:36:17.266	488FN6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,635,899:39:0	
908	0	219	17:15:43.933	488FN6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,635,938:40:0	
909	0	219	17:41:01.266	488FN6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,635,963:41:0	
910	0	219	17:46:42.600	488FN6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,635,969:07:0	
911	0	219	23:24:29.266	488FO6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,636,303:13:0	
912	0	220	00:12:39.933	488FO6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,636,350:72:0	
913	0	220	00:22:05.266	488FO6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,636,360:10:0	
914	0	221	10:29:42.533	488FP6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,638,385:21:0	
915	0	221	15:15:20.533	488FP6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,638,667:66:0	
916	0	221	15:20:13.200	488FP6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	400	4	0	5,638,672:50:0	
917	0	222	08:37:55.800	488FQ6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	400	4	0	5,639,698:78:0	
918	0	222	08:47:41.133	488FQ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,639,708:46:0	
919	0	222	10:00:25.133	488FQ6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,639,780:40:0	
920	0	222	10:34:04.466	488FQ6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,639,813:66:0	
921	0	222	15:32:59.133	488FR6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,640,109:32:0	
922	0	222	16:26:38.466	488FR6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,640,162:38:0	
923	0	222	17:00:23.133	488FR6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,640,195:72:0	
924	0	222	17:32:29.133	488FR6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,640,227:49:0	
925	0	222	17:33:37.800	488FR6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,640,228:61:0	
926	0	222	18:52:59.800	488FS6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,640,307:15:0	
927	0	222	18:56:52.466	176UC6A	6TMREC	PBB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	400	4	0	5,640,311:00:0	
928	0	222	19:05:59.800	20SI4C	7STAT	10,00,247.50,-21	Stator inertial point	400	4	0	5,640,320:02:0	
929	0	222	19:06:11.800	20SI6D	6MROH	7,6744,0,A10	read from AACSA7,6744,0,A10	400	4	0	5,640,320:20:0	
930	0	222	19:25:01.800	490UC412A4B	7MODE	INT	AACS INERTIAL MODE	400	4	0	5,640,338:77:0	
931	0	222	19:29:59.800	490UC412A4D	7SAFE	UNSTOW	S/P TO 153 deg cone	400	4	0	5,640,343:69:0	
932	0	222	19:30:19.800	20SI4D	7STAT	17,45,247.50,-21	Stator inertial point	400	4	0	5,640,344:08:0	
933	0	222	19:34:09.800	490UC412A4E	7VECT	RTH	Inert vect update UTC	400	4	0	5,640,347:80:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
934	0	222	19:34:13.800	490UC412A4F	7TURN	2,RTH	ALERT Thruster	400	4	0	5,640,347:86:0	
935	0	222	19:38:01.800	490UC412A406A4A	7STAR		1,552,343.73 Star catalog update	400	4	0	5,640,351:64:0	
936	0	222	19:38:03.800	490UC412A406A4B	7STAR		2,225,176.62 Star catalog update	400	4	0	5,640,351:67:0	
937	0	222	19:38:05.800	490UC412A406A4C	7STAR		3,142,193.42 Star catalog update	400	4	0	5,640,351:70:0	
938	0	222	19:38:07.800	490UC412A406A4D	7STAR		4,122,305.11 Star catalog update	400	4	0	5,640,351:73:0	
939	0	222	19:38:09.800	490UC412A406A4E	7STAR	5,0,0,0,0,0,0	Star catalog update	400	4	0	5,640,351:76:0	
940	0	222	19:38:11.800	490UC412A406A4F	7STAR	6,0,0,0,0,0,0	Star catalog update	400	4	0	5,640,351:79:0	
941	0	222	19:48:05.800	20SI4F	7SLEW	DIS,POS,0,0	Stator movement	400	4	0	5,640,361:60:0	
942	0	222	19:56:09.800	490UC412A4A4G	7MODE	CRU	AACS CRUISE MODE	400	4	0	5,640,369:58:0	
943	0	222	21:30:53.800	20SY4B	7SAFE	STOP	SIP NO MOVEMENT	400	4	0	5,640,462:46:0	
944	0	222	21:30:53.800	20SY4B	7SAFE	STOP	Stator movement	400	4	0	5,640,463:30:0	
945	0	222	21:30:59.800	488FS6B	6TMSED	NORM,AL5	Sci, Eng. and D/L Chan	400	4	0	5,640,463:39:0	
946	0	222	21:32:35.133	176SZ6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	400	4	0	5,640,465:00:0	
947	0	222	23:13:49.133	488FS6C	6TMSED	NORM,AL4	Sci, Eng. and D/L Chan	400	4	0	5,640,565:11:0	
948	0	222	23:57:49.133	488FS6D	6TMSED	FILL,AL4	Sci, Eng. and D/L Chan	400	4	0	5,640,608:58:0	
949	0	223	00:05:01.133	488FS6E	6TMSED	FILL,AL3	Sci, Eng. and D/L Chan	400	4	0	5,640,615:69:0	
950	0	223	08:08:02.466	488FT6A	6TMSED	NORM,AL3	Sci, Eng. and D/L Chan	400	4	0	5,641,093:43:0	
951	0	223	08:17:49.133	488FT6B	6TMSED	NORM,AL4	Sci, Eng. and D/L Chan	400	4	0	5,641,103:13:0	
952	0	223	09:43:09.066	488FT6C	6TMSED	NORM,AL5	Sci, Eng. and D/L Chan	400	4	0	5,641,187:49:0	
953	0	223	13:50:51.733	488FT6D	6TMSED	FILL,AL5	Sci, Eng. and D/L Chan	400	4	0	5,641,432:48:0	
954	0	223	17:29:58.400	488FU6A	6TMSED	NORM,AL5	Sci, Eng. and D/L Chan	400	4	0	5,641,649:21:0	
955	0	223	23:24:29.066	488FU6B	6TMSED	NORM,AL4	Sci, Eng. and D/L Chan	400	4	0	5,641,999:77:0	
956	0	224	00:00:45.066	488FV6A	6TMSED	NORM,AL2	Sci, Eng. and D/L Chan	400	4	0	5,642,035:65:0	
957	0	224	00:17:49.066	488FV6B	6TMSED	NORM,AL3	Sci, Eng. and D/L Chan	400	4	0	5,642,052:54:0	
958	0	224	00:32:45.066	488FV6C	6TMSED	NORM,AL4	Sci, Eng. and D/L Chan	400	4	0	5,642,067:33:0	
959	0	224	02:42:53.066	488FV6D	6TMSED	NORM,AL5	Sci, Eng. and D/L Chan	400	4	0	5,642,196:06:0	
960	0	224	07:49:45.066	488FW6A	6TMSED	FILL,AL5	Sci, Eng. and D/L Chan	400	4	0	5,642,499:51:0	
961	0	224	07:54:21.066	488FW6B	6TMSED	FILL,AL2	Sci, Eng. and D/L Chan	400	4	0	5,642,504:10:0	
962	0	224	17:56:51.733	176SP6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	400	4	0	5,643,100:00:0	
963	0	224	18:02:55.733	465WK6A	6DMST		5000 DMS Slew to TIC	400	4	0	5,643,106:00:0	
964	0	224	18:02:55.733	DMS:		: *TURNARND	P7, TRACK 1, FWD, TIC 202.12 +/-	400	4	0	5,643,106:00:0	
965	0	224	18:02:55.733	DMS:		: *SLEW-TIC	P7, TRACK 1, FWD, TIC 202.12 +/-	400	4	0	5,643,106:00:0	
966	0	224	18:02:55.733	DMS:		: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	400	4	0	5,643,106:00:0	
967	0	224	18:03:02.400	DMS:		: *RUNUP	P7, TRACK 1, FWD, TIC 202.12 +/-	400	4	0	5,643,106:10:0	
968	0	224	18:03:03.800	DMS:		: *AT SPD	P7, TRACK 1, FWD, TIC *202.24 +/-	400	4	0	5,643,106:12:1	
969	0	224	23:44:04.466	DMS:		: *RUNDOWN	P7, TRACK 1, FWD, TIC *4997.94 +/-	400	4	0	5,643,443:36:2	
970	0	224	23:44:05.666	DMS:		: *READY	RDY, TRACK 1, FWD, TIC *4998.00 +/-	400	4	0	5,643,443:38:0	
971	0	224	23:56:37.000	DMS:		: *US-RUNUP	P7, TRACK 1, FWD, TIC 4998.00 +/-	400	4	0	5,643,455:73:0	
972	0	224	23:56:37.000	6DMSC		P100.4	DMS Control Tape P/B 100 kbps	400	4	0	5,643,455:73:0	
973	0	224	23:56:38.400	DMS:		: *US_AT SP	P7, TRACK 1, FWD, TIC *4998.12 +/-	400	4	0	5,643,455:75:1	
974	0	224	23:56:43.666	DMS:		: *US_RD	P7, TRACK 1, FWD, TIC *4999.35 +/-	400	4	0	5,643,455:83:0	
975	0	224	23:56:44.866	DMS:		: *RUNUP	P100, TRACK 4, *REV, TIC *4999.41 +/-	400	4	0	5,643,455:84:8	
976	0	224	23:56:48.733	DMS:		: *P SLEW	P100, TRACK 4, REV, TIC *4993.91 +/-	400	4	0	5,643,455:90:6	
977	0	224	23:56:48.733	DMS:		: *AT SPD	P100, TRACK 4, REV, TIC 4993.91 +/-	400	4	0	5,643,455:90:6	
978	0	225	00:12:15.000	488FX6A	6TMSED	NORM,AL2	Sci, Eng. and D/L Chan	400	4	0	5,643,471:24:0	
979	0	225	00:17:49.000	488FX6B	6TMSED	NORM,AL3	Sci, Eng. and D/L Chan	400	4	0	5,643,476:70:0	
980	0	225	00:22:29.000	DMS:		: *RUNDOWN	P100, TRACK 4, REV, TIC * 255.79 +/-	400	4	0	5,643,481:35:0	
981	0	225	00:22:29.000	6DMSC		RDY.4	DMS Control Tape stop	400	4	0	5,643,481:35:0	
982	0	225	00:22:30.200	DMS:		: *READY	RDY, TRACK 4, REV, TIC * 254.99 +/-	400	4	0	5,643,481:36:8	
983	0	225	00:58:21.000	488FX6C	6TMSED	NORM,AL4	Sci, Eng. and D/L Chan	400	4	0	5,643,516:78:0	
984	0	225	01:35:06.333	488FX6D	6TMSED	FILL,AL4	Sci, Eng. and D/L Chan	400	4	0	5,643,553:19:0	
985	0	225	02:08:45.666	488FX6E	6TMSED	NORM,AL4	Sci, Eng. and D/L Chan	400	4	0	5,643,586:45:0	
986	0	225	02:21:17.666	DMS:		: *US-RUNUP	P7, TRACK *1, *FWD, TIC 254.99 +/-	400	4	0	5,643,598:81:0	
987	0	225	02:21:17.666	DMS:		: *DMS-TURN	P7, TRACK 4, REV, TIC 254.99 +/-	400	4	0	5,643,598:81:0	
988	0	225	02:21:17.666	6DTRN		CMD.6DTRN.465WM6	DMS TRACK TURNAROUND	400	4	0	5,643,598:81:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
989	0	225	02:21:19.066		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 255.11 +/-	400	4	0	5,643,598:83:1	
990	0	225	02:21:24.333		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 256.34 +/-	400	4	0	5,643,599:00:0	
991	0	225	02:21:25.533		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 256.40 +/-	400	4	0	5,643,599:01:8	
992	0	225	02:21:26.933		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 256.28 +/-	400	4	0	5,643,599:03:9	
993	0	225	02:25:09.666	488FY6A	6TMSED	NORM/AL4	Sci, Eng, and D/L Chan	400	4	0	5,643,602:65:0	
994	0	225	02:25:27.600		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	400	4	0	5,643,603:00:9	
995	0	225	02:25:28.800		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	400	4	0	5,643,603:02:7	
996	0	225	02:25:28.800		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	400	4	0	5,643,603:02:7	
997	0	225	02:25:30.200		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	400	4	0	5,643,603:04:8	
998	0	225	02:25:42.200		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	400	4	0	5,643,603:22:8	
999	0	225	02:25:43.400		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	400	4	0	5,643,603:24:6	
1000	0	225	02:31:20.333	465WN6A	6DMSC	P100.1	DMS Control Tape P/B 100.8kpbs	400	4	0	5,643,608:75:0	
1001	0	225	02:31:20.333		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	400	4	0	5,643,608:75:0	
1002	0	225	02:31:27.000		DMS:	: *RUNUP	P100, TRACK 1, FWD, TIC 202.12 +/-	400	4	0	5,643,608:85:0	
1003	0	225	02:31:30.866		DMS:	: *AT_SPD	P100, TRACK 1, FWD, TIC 207.62 +/-	400	4	0	5,643,608:90:8	
1004	0	225	02:31:30.866		DMS:	: *P_SLEW	P100, TRACK 1, FWD, TIC * 207.62 +/-	400	4	0	5,643,608:90:8	
1005	0	225	03:03:14.333	465WN6B	6DMSC	RDY.1	DMS Control Tape stop	400	4	0	5,643,640:34:0	
1006	0	225	03:03:14.333		DMS:	: *RUNDOWN	P100, TRACK 1, FWD, TIC *6063.01 +/-	400	4	0	5,643,640:34:0	
1007	0	225	03:03:15.533		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *6063.81 +/-	400	4	0	5,643,640:35:8	
1008	0	225	03:18:50.333	465WO6A	6DMSC	P100.2	DMS Control Tape P/B 100.8kpbs	400	4	0	5,643,655:73:0	
1009	0	225	03:18:50.333		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 6063.81 +/-	400	4	0	5,643,655:73:0	
1010	0	225	03:18:51.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.93 +/-	400	4	0	5,643,655:75:1	
1011	0	225	03:18:57.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6065.17 +/-	400	4	0	5,643,655:83:0	
1012	0	225	03:18:58.200		DMS:	: *RUNUP	P100, TRACK *2, *REV, TIC *6065.23 +/-	400	4	0	5,643,655:84:8	
1013	0	225	03:19:02.066		DMS:	: *P_SLEW	P100, TRACK 2, REV, TIC *6059.73 +/-	400	4	0	5,643,655:90:6	
1014	0	225	03:19:02.066		DMS:	: *AT_SPD	P100, TRACK 2, REV, TIC 6059.73 +/-	400	4	0	5,643,655:90:6	
1015	0	225	03:50:58.333		DMS:	: *RUNDOWN	P100, TRACK 2, REV, TIC * 164.96 +/-	400	4	0	5,643,687:53:0	
1016	0	225	03:50:58.333	465WP6A	6DMSC	P100.3	DMS Control Tape P/B 100.8kpbs	400	4	0	5,643,687:53:0	
1017	0	225	03:50:59.533		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 164.16 +/-	400	4	0	5,643,687:54:8	
1018	0	225	03:51:03.400		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 169.66 +/-	400	4	0	5,643,687:60:6	
1019	0	225	03:51:03.400		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 169.66 +/-	400	4	0	5,643,687:60:6	
1020	0	225	04:22:59.000	465WP6B	6DMSC	RDY.3	DMS Control Tape stop	400	4	0	5,643,719:22:0	
1021	0	225	04:22:59.000		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC *6062.38 +/-	400	4	0	5,643,719:22:0	
1022	0	225	04:23:00.200		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *6063.18 +/-	400	4	0	5,643,719:23:8	
1023	0	225	04:37:42.333		DMS:	: *US-RUNUP	P7, TRACK *1, FWD, TIC 6063.18 +/-	400	4	0	5,643,733:73:0	
1024	0	225	04:37:42.333	465WQ6A	6DMSC	P100.4	DMS Control Tape P/B 100.8kpbs	400	4	0	5,643,733:73:0	
1025	0	225	04:37:43.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.30 +/-	400	4	0	5,643,733:75:1	
1026	0	225	04:37:49.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6064.53 +/-	400	4	0	5,643,733:83:0	
1027	0	225	04:37:50.200		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *6064.59 +/-	400	4	0	5,643,733:84:8	
1028	0	225	04:37:54.066		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 6059.09 +/-	400	4	0	5,643,733:90:6	
1029	0	225	04:37:54.066		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *6059.09 +/-	400	4	0	5,643,733:90:6	
1030	0	225	05:09:49.666	465WR6A	6DMSC	P100.3	DMS Control Tape P/B 100.8kpbs	400	4	0	5,643,765:52:0	
1031	0	225	05:09:49.666		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 166.38 +/-	400	4	0	5,643,765:52:0	
1032	0	225	05:09:50.866		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 165.58 +/-	400	4	0	5,643,765:53:8	
1033	0	225	05:09:54.733		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 171.08 +/-	400	4	0	5,643,765:59:6	
1034	0	225	05:09:54.733		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 171.08 +/-	400	4	0	5,643,765:59:6	
1035	0	225	05:10:55.666		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC * 358.52 +/-	400	4	0	5,643,766:60:0	
1036	0	225	05:10:55.666	465WR6B	6DMSC	RDY.3	DMS Control Tape stop	400	4	0	5,643,766:60:0	
1037	0	225	05:10:56.866		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 359.32 +/-	400	4	0	5,643,766:61:8	
1038	0	225	05:11:59.666	488FY6B	6TMSED	NORM/AL4	Sci, Eng, and D/L Chan	400	4	0	5,643,767:65:0	
1039	0	225	05:25:25.666		DMS:	: *READY	RDY, TRACK *4, *REV, TIC 359.32 +/-	400	4	0	5,643,781:00:0	
1040	0	225	05:25:25.666	465WS6A	6DMSC	RDY.4	DMS Control Tape stop	400	4	0	5,643,781:00:0	
1041	0	225	05:26:19.666		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 359.32 +/-	400	4	0	5,643,781:81:0	
1042	0	225	05:26:19.666	465WT6A	6DTRN	CMD.6DTRN,465WT6	DMS TRACK TURNAROUND	400	4	0	5,643,781:81:0	
1043	0	225	05:26:19.666		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 359.32 +/-	400	4	0	5,643,781:81:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1044	0	225	05:26:21.066		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 359.44 +/-	400	4	0	5,643,781.83:1	
1045	0	225	05:26:26.333		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC * 360.67 +/-	400	4	0	5,643,782:00:0	
1046	0	225	05:26:27.533		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 360.73 +/-	400	4	0	5,643,782:01:8	
1047	0	225	05:26:28.933		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 360.61 +/-	400	4	0	5,643,782:03:9	
1048	0	225	05:37:54.733		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	400	4	0	5,643,793:31:6	
1049	0	225	05:37:55.933		DMS:	: *TURNARND	P7, TRACK 1, FWD, TIC * 199.81 +/-	400	4	0	5,643,793:33:4	
1050	0	225	05:37:55.933		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	400	4	0	5,643,793:33:4	
1051	0	225	05:37:57.333		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	400	4	0	5,643,793:35:5	
1052	0	225	05:38:09.333		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	400	4	0	5,643,793:53:5	
1053	0	225	05:38:10.533		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	400	4	0	5,643,793:55:3	
1054	0	225	05:53:04.333	20UT4A	7SAFE	STOP	S/P NO MOVEMENT	400	4	0	5,643,808:31:0	
1055	0	225	05:53:54.333	20UT4B	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5,643,809:15:0	
1056	0	225	05:55:45.666	176SQ6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	400	4	0	5,643,811:00:0	
1057	0	225	07:38:18.333	488FY6C	6TMSED	FILL,AL4	Sci, Eng. and D/L Chan	400	4	0	5,643,912:38:0	
1058	0	225	07:47:57.000	488FY6D	6TMSED	FILL,AL5	Sci, Eng. and D/L Chan	400	4	0	5,643,921:87:0	
1059	0	225	17:25:13.666	488FZ6A	6TMSED	NORM,AL5	Sci, Eng. and D/L Chan	400	4	0	5,644,492:81:0	
1060	0	225	19:53:17.000	488FZ6B	6TMSED	NORM,AL6	Sci, Eng. and D/L Chan	400	4	0	5,644,639:29:0	
1061	0	225	20:29:33.000	488FZ6C	6TMSED	NORM,AL4	Sci, Eng. and D/L Chan	400	4	0	5,644,675:17:0	
1062	0	225	23:24:29.000	488FZ6D	6TMSED	NORM,AL5	Sci, Eng. and D/L Chan	400	4	0	5,644,848:18:0	
1063	0	226	00:09:17.000	488GA6A	6TMSED	NORM,AL3	Sci, Eng. and D/L Chan	400	4	0	5,644,892:46:0	
1064	0	226	00:51:57.000	488GA6B	6TMSED	NORM,AL4	Sci, Eng. and D/L Chan	400	4	0	5,644,934:64:0	
1065	0	226	01:00:00.333	481UA4A	7VECT		Inert vect update UTC	400	4	0	5,644,942:61:0	
1066	0	226	01:29:59.000	488GA6C	6TMSED	FILL,AL4	Sci, Eng. and D/L Chan	400	4	0	5,644,972:29:0	
1067	0	226	02:03:38.333	488GA6D	6TMSED	NORM,AL4	Sci, Eng. and D/L Chan	400	4	0	5,645,005:55:0	
1068	0	226	07:38:24.933	488GB6A	6TMSED	FILL,AL4	Sci, Eng. and D/L Chan	400	4	0	5,645,336:64:0	
1069	0	226	08:22:04.266	488GB6B	6TMSED	NORM,AL4	Sci, Eng. and D/L Chan	400	4	0	5,645,379:80:0	
1070	0	226	09:04:56.933	488GB6C	6TMSED	FILL,AL4	Sci, Eng. and D/L Chan	400	4	0	5,645,422:26:0	
1071	0	226	09:38:36.266	488GB6D	6TMSED	NORM,AL4	Sci, Eng. and D/L Chan	400	4	0	5,645,455:52:0	
1072	0	226	09:44:56.266	488GB6E	6TMSED	FILL,AL4	Sci, Eng. and D/L Chan	400	4	0	5,645,461:76:0	
1073	0	226	10:18:35.600	488GC6A	6TMSED	NORM,AL4	Sci, Eng. and D/L Chan	400	4	0	5,645,495:11:0	
1074	0	226	16:03:01.600	488GC6B	6TMSED	FILL,AL4	Sci, Eng. and D/L Chan	400	4	0	5,645,835:70:0	
1075	0	226	16:09:16.933	488GC6C	6TMSED	FILL,AL3	Sci, Eng. and D/L Chan	400	4	0	5,645,841:87:0	
1076	0	226	16:18:27.600	488GC6D	6TMSED	NORM,AL3	Sci, Eng. and D/L Chan	400	4	0	5,645,851:03:0	
1077	0	226	16:43:24.933	488GD6A	6TMSED	NORM,AL4	Sci, Eng. and D/L Chan	400	4	0	5,645,875:65:0	
1078	0	226	17:24:54.266	488GD6B	6TMSED	FILL,AL4	Sci, Eng. and D/L Chan	400	4	0	5,645,916:68:0	
1079	0	226	18:03:33.600	488GD6C	6TMSED	NORM,AL4	Sci, Eng. and D/L Chan	400	4	0	5,645,954:89:0	
1080	0	226	22:32:36.266	488GD6D	6TMSED	FILL,AL4	Sci, Eng. and D/L Chan	400	4	0	5,646,221:06:0	
1081	0	226	22:39:40.933	488GD6E	6TMSED	FILL,AL2	Sci, Eng. and D/L Chan	400	4	0	5,646,228:06:0	
1082	0	227	00:07:08.933	488GE6A	6TMSED	FILL,AL3	Sci, Eng. and D/L Chan	400	4	0	5,646,314:52:0	
1083	0	227	00:34:51.600	488GE6B	6TMSED	NORM,AL3	Sci, Eng. and D/L Chan	400	4	0	5,646,341:89:0	
1084	0	227	00:43:24.933	488GE6C	6TMSED	NORM,AL4	Sci, Eng. and D/L Chan	400	4	0	5,646,350:40:0	
1085	0	227	01:24:52.266	488GE6D	6TMSED	FILL,AL4	Sci, Eng. and D/L Chan	400	4	0	5,646,391:40:0	
1086	0	227	01:58:31.600	488GE6E	6TMSED	NORM,AL4	Sci, Eng. and D/L Chan	400	4	0	5,646,424:66:0	
1087	0	227	03:49:00.933	176SV6A	6TMREC	PBB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	400	4	0	5,646,534:00:0	
1088	0	227	04:00:00.000	20A3EW	37A	Final Condition	NIMS Power ON	400	4	0	5,646,544:78:6	
1089	0	227	04:00:00.000	20A3EX	37HR	Final Condition	Replacement Heaters OFF	400	4	0	5,646,544:78:6	
1090	0	227	04:00:00.000	20A3EY	37C1PR	Final Condition	Optics Heater 1 OFF (primary relay)	400	4	0	5,646,544:78:6	
1091	0	227	04:00:00.000	20A3EZ	37C2PR	Final Condition	Optics Heater 2 OFF (primary relay)	400	4	0	5,646,544:78:6	
1092	0	227	04:00:00.000	20A3FA	37F1PR	Final Condition	Radiator Flash Heater OFF (primary relay)	400	4	0	5,646,544:78:6	
1093	0	227	04:00:00.000	20A3FB	37F2PR	Final Condition	Shield Flash Heater OFF (primary relay)	400	4	0	5,646,544:78:6	
1094	0	227	04:00:00.000	20A3FD	40HRPR	Final Condition	RCT Heater OFF (primary relay)	400	4	0	5,646,544:78:6	
1095	0	227	04:00:00.000	20A3FE	40T1PR	Final Condition	PCT Heater 1 OFF (primary relay)	400	4	0	5,646,544:78:6	
1096	0	227	04:00:00.000	20A3FF	40T2R	Final Condition	PCT Heater 2 OFF	400	4	0	5,646,544:78:6	
1097	0	227	04:00:00.266		DMS:	: READY	RDY, TRACK 1, FWD, TIC 202.12 +/-	400	4	0	5,646,544:79:0	

Sequence:		G28C-AC		Created: 4/25/01		Begin: 00-227/04:00:00		Finish: 00-290/23:00:00				
Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1	0	227	04:00:00.000	20A3FE	40T1PR	Initial Condition	PCT Heater 1 OFF (primary relay)	400	4	0	5,646,544:78:6	
2	0	227	04:00:00.000	20A3FF	40T2R	Initial Condition	PCT Heater 2 OFF	400	4	0	5,646,544:78:6	
3	0	227	04:00:00.000	20A3EW	37A	Initial Condition	NIMS Power ON	400	4	0	5,646,544:78:6	
4	0	227	04:00:00.000	20A3EX	37HR	Initial Condition	Replacement Heaters OFF	400	4	0	5,646,544:78:6	
5	0	227	04:00:00.000	20A3EY	37C1PR	Initial Condition	Optics Heater 1 OFF (primary relay)	400	4	0	5,646,544:78:6	
6	0	227	04:00:00.000	20A3EZ	37C2PR	Initial Condition	Optics Heater 2 OFF (primary relay)	400	4	0	5,646,544:78:6	
7	0	227	04:00:00.000	20A3FA	37F1PR	Initial Condition	Radiator Flash Heater OFF (primary relay)	400	4	0	5,646,544:78:6	
8	0	227	04:00:00.000	20A3FB	37F2PR	Initial Condition	Shield Flash Heater OFF (primary relay)	400	4	0	5,646,544:78:6	
9	0	227	04:00:00.000	20A3FD	40HRPR	Initial Condition	RCT Heater OFF (primary relay)	400	4	0	5,646,544:78:6	
10	0	227	04:00:00.266		DMS:	: READY	RDY, TRACK 1, FWD, TIC 202.12 +/-	400	4	0	5,646,544:79:0	
11	0	227	04:01:08.266	432MC431A6A	6RCDSL	DDSDSL,PLSNCG,EP	Record Deselect (DDS o	400	4	0	5,646,545:90:0	
12	0	227	04:01:08.933	432MC6A	6RTSL1		R/T Select of DDS and	400	4	0	5,646,546:00:0	
13	0	227	04:01:48.933	488AA6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,646,546:60:0	
14	0	227	04:05:04.266	20SA4A	7SAFE	STOP	S/P NO MOVEMENT	400	4	0	5,646,549:80:0	
15	0	227	04:05:54.266	20SA4B	7SLEW	DIS,POS,0.0	Slator movement	400	4	0	5,646,550:64:0	
16	0	227	04:06:12.266	176SA6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	400	4	0	5,646,551:00:0	
17	0	227	08:51:56.933	488AA6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,646,833:55:0	
18	0	227	09:07:35.600	488AA6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,646,849:07:0	
19	0	227	09:36:41.600	488AA6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,646,877:78:0	
20	0	227	13:50:46.933	488AB6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,647,129:14:0	
21	0	227	13:54:52.933	488AB6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,647,133:19:0	
22	0	228	01:07:16.200	488AC6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,647,798:19:0	
23	0	228	02:29:44.200	488AC6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,647,879:70:0	
24	0	228	03:03:23.533	488AC6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,647,913:05:0	
25	0	228	10:00:12.866	488AD6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,648,325:27:0	
26	0	228	11:32:27.533	488AD6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,648,416:48:0	
27	0	228	12:01:33.533	488AD6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,648,445:28:0	
28	0	228	18:49:16.866	488AE6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,648,848:50:0	
29	0	228	19:38:43.533	488AE6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,648,897:41:0	
30	0	229	08:12:26.133	488AF6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,649,642:80:0	
31	0	229	08:39:08.800	488AF6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,649,669:27:0	
32	0	229	18:51:24.800	488AG6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,650,274:76:0	
33	0	229	19:38:26.133	488AG6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,650,321:31:0	
34	0	229	19:44:44.800	488AG6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	400	4	0	5,650,327:53:0	
35	0	230	23:53:58.733	488AH6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	400	4	0	5,651,998:23:0	
36	0	231	00:17:48.733	488AH6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,652,021:75:0	
37	0	231	01:14:22.066	488AH6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,652,077:69:0	
38	0	231	01:48:01.400	488AH6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,652,111:04:0	
39	0	231	08:39:08.733	488AI6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,652,517:59:0	
40	0	231	09:42:06.733	488AI6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,652,579:84:0	
41	0	231	10:11:12.733	488AI6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,652,608:64:0	
42	0	231	11:23:24.733	488AI6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,652,680:10:0	
43	0	231	15:56:28.733	488AJ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,652,950:16:0	
44	0	231	18:51:24.733	488AJ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,653,123:17:0	
45	0	231	19:39:05.400	488AJ6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,653,170:31:0	
46	0	232	01:02:46.666	488AK6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,653,490:43:0	
47	0	232	02:24:15.333	488AK6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,653,571:05:0	
48	0	232	02:57:54.666	488AK6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,653,604:31:0	
49	0	232	08:28:28.666	488AL6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,653,931:25:0	
50	0	232	09:31:58.666	488AL6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,653,994:07:0	
51	0	232	10:01:04.666	488AL6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,654,022:78:0	
52	0	232	10:53:32.666	488AL6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,654,074:68:0	
53	0	232	15:47:18.666	488AM6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,654,365:26:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
54	0	232	15:50:04.666	488AM6B	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,654,368:02:0	
55	0	233	01:02:53.333	488AN6A	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,654,914:16:0	
56	0	233	01:13:16.666	488AN6B	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,654,925:03:0	
57	0	233	08:07:03.266	488AO6A	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,655,334:24:0	
58	0	233	08:51:09.933	488AO6B	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,655,377:81:0	
59	0	233	10:34:20.600	488AO6C	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,655,479:85:0	
60	0	233	16:30:36.600	488AP6A	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,655,832:26:0	
61	0	233	18:45:00.600	488AP6B	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,655,965:19:0	
62	0	233	19:29:19.933	488AP6C	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,656,009:04:0	
63	0	234	00:43:01.266	488AQ6A	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,656,319:26:0	
64	0	234	02:03:59.933	488AQ6B	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,656,399:34:0	
65	0	234	02:37:39.266	488AQ6C	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,656,432:60:0	
66	0	234	05:44:12.600	488AQ6D	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,656,617:15:0	
67	0	234	06:31:08.600	488AQ6E	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,656,663:53:0	
68	0	234	08:09:16.600	488AR6A	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,656,760:58:0	
69	0	234	08:46:44.600	488AR6B	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,656,797:63:0	
70	0	234	09:15:50.600	488AR6C	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,656,826:43:0	
71	0	234	10:19:24.600	488AR6D	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,656,889:31:0	
72	0	234	13:53:20.600	488AR6E	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,657,100:84:0	
73	0	234	13:57:00.600	488AS6A	6TMSED	FILL,AL3	Sci. Eng. and D/L Chan	400	4	0	5,657,104:50:0	
74	0	234	23:39:28.533	488AT6A	6TMSED	NORM,AL3	Sci. Eng. and D/L Chan	400	4	0	5,657,680:56:0	
75	0	234	23:58:36.533	488AT6B	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,657,699:49:0	
76	0	235	00:58:53.200	488AT6C	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,657,759:14:0	
77	0	235	01:32:32.533	488AT6D	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,657,792:40:0	
78	0	235	03:53:16.533	488AT6E	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,657,931:57:0	
79	0	235	09:21:36.533	488AU6A	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,658,256:32:0	
80	0	235	09:50:42.533	488AU6B	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,658,285:12:0	
81	0	235	10:04:28.533	488AU6C	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,658,298:68:0	
82	0	235	13:53:26.533	488AU6D	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,658,525:18:0	
83	0	235	13:57:00.533	488AU6E	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,658,528:66:0	
84	0	236	07:53:18.466	488AV6A	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,659,593:18:0	
85	0	236	08:05:00.466	488AV6B	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,659,604:70:0	
86	0	236	09:49:32.466	488AV6C	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,659,708:14:0	
87	0	236	16:56:12.466	488AW6A	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,660,130:12:0	
88	0	236	18:47:08.466	488AW6B	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,660,239:77:0	
89	0	236	19:19:42.466	488AW6C	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,660,272:05:0	
90	0	237	07:03:25.133	488AX6A	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,660,968:03:0	
91	0	237	07:50:04.466	488AX6B	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,661,014:16:0	
92	0	237	08:56:37.800	176SB6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	400	4	0	5,661,080:00:0	
93	0	237	09:01:59.800	20UR4B	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5,661,085:28:0	
94	0	237	09:02:59.800	20UR4D	7MODE	SPNL	AACS ALL-SPIN LOW	400	4	0	5,661,086:27:0	
95	0	237	09:04:59.800	20UR4E	7SAFE	UNSTOW	SIP TO 153 deg cone	400	4	0	5,661,088:25:0	
96	0	237	09:10:29.800	20UR4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	400	4	0	5,661,093:65:0	
97	0	237	09:10:30.466	20UR4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	400	4	0	5,661,093:66:0	
98	0	237	09:10:50.466	20UR4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	400	4	0	5,661,094:05:0	
99	0	237	09:10:51.133	20UR4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	400	4	0	5,661,094:06:0	
100	0	237	09:11:11.133	20UR4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	400	4	0	5,661,094:36:0	
101	0	237	09:11:11.800	20UR4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	400	4	0	5,661,094:37:0	
102	0	237	09:11:21.800	20UR4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	400	4	0	5,661,094:52:0	
103	0	237	09:11:22.466	20UR4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	400	4	0	5,661,094:53:0	
104	0	237	09:11:32.466	20UR4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	400	4	0	5,661,094:68:0	
105	0	237	09:11:33.133	20UR4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	400	4	0	5,661,094:69:0	
106	0	237	09:13:19.800	20UR4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	400	4	0	5,661,096:47:0	
107	0	237	09:13:20.466	20UR4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	400	4	0	5,661,096:48:0	
108	0	237	09:13:40.466	20UR4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	400	4	0	5,661,096:78:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
109	0	237	09:13:41.133	20UR4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	400	4	0	5,661,096:79:0	
110	0	237	09:14:01.133	20UR4AC	7VENT	0.611,1.1333,2	ALERT -- Thruster fire	400	4	0	5,661,097:18:0	
111	0	237	09:14:01.800	20UR4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	400	4	0	5,661,097:19:0	
112	0	237	09:14:11.800	20UR4AE	7VENT	0.611,1.1333,2	ALERT -- Thruster fire	400	4	0	5,661,097:34:0	
113	0	237	09:14:12.466	20UR4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	400	4	0	5,661,097:35:0	
114	0	237	09:14:22.466	20UR4AW	7VENT	1.211,1.1333,9	ALERT -- Thruster fire	400	4	0	5,661,097:50:0	
115	0	237	09:14:23.133	20UR4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	400	4	0	5,661,097:51:0	
116	0	237	09:15:19.800	20UR4Z	7MODE	CRU	AACS CRUISE MODE	400	4	0	5,661,098:45:0	
117	0	237	09:34:36.466	488AX6C	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,661,117:51:0	
118	0	237	09:40:03.800	20SC4A	7SAFE	STOP	SIP NO MOVEMENT	400	4	0	5,661,123:71:0	
119	0	237	09:40:53.800	20SC4B	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5,661,123:71:0	
120	0	237	09:42:07.800	176SC6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	400	4	0	5,661,125:00:0	
121	0	237	13:53:29.733	488AY6A	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,661,373:55:0	
122	0	237	13:57:00.400	488AY6B	6TMSED	FILL,AL3	Sci. Eng. and D/L Chan	400	4	0	5,661,377:07:0	
123	0	237	23:24:50.400	488AZ6A	6TMSED	NORM,AL3	Sci. Eng. and D/L Chan	400	4	0	5,661,938:61:0	
124	0	237	23:35:08.400	488AZ6B	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,661,948:78:0	
125	0	238	00:34:52.400	488AZ6C	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,662,007:85:0	
126	0	238	07:45:48.400	488BA6A	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,662,434:12:0	
127	0	238	08:49:48.400	488BA6B	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,662,497:39:0	
128	0	238	09:16:14.400	488BA6C	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,662,523:52:0	
129	0	238	09:45:20.400	488BA6D	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,662,552:32:0	
130	0	238	17:41:00.400	488BB6A	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,663,022:72:0	
131	0	238	19:18:37.066	488BB6B	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,663,119:30:0	
132	0	238	19:21:16.400	488BB6C	6TMSED	FILL,AL3	Sci. Eng. and D/L Chan	400	4	0	5,663,121:87:0	
133	0	238	23:14:58.333	488BB6D	6TMSED	NORM,AL3	Sci. Eng. and D/L Chan	400	4	0	5,663,353:08:0	
134	0	238	23:24:28.333	488BB6E	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,663,362:44:0	
135	0	239	00:43:24.333	488BC6A	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,663,440:50:0	
136	0	239	09:32:28.333	488BD6A	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,663,963:73:0	
137	0	239	17:06:52.333	488BE6A	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,664,413:19:0	
138	0	239	18:40:44.333	488BE6B	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,664,506:04:0	
139	0	239	19:20:00.333	488BE6C	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,664,544:80:0	
140	0	239	19:27:40.333	488BE6D	6TMSED	FILL,AL3	Sci. Eng. and D/L Chan	400	4	0	5,664,552:42:0	
141	0	239	23:15:05.666	488BF6A	6TMSED	NORM,AL3	Sci. Eng. and D/L Chan	400	4	0	5,664,777:35:0	
142	0	239	23:28:44.333	488BF6B	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,664,790:80:0	
143	0	240	00:38:15.000	488BF6C	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,664,859:57:0	
144	0	240	01:11:54.333	488BF6D	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,664,892:83:0	
145	0	240	01:53:48.333	488BF6E	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,664,934:32:0	
146	0	240	09:01:28.933	488BG6A	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,665,357:30:0	
147	0	240	09:04:44.266	488BG6B	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,665,360:50:0	
148	0	240	09:29:12.266	488BG6C	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,665,384:68:0	
149	0	240	16:53:22.266	488BH6A	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,665,824:03:0	
150	0	240	16:56:12.266	488BH6B	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,665,826:76:0	
151	0	240	23:13:53.600	488BI6A	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,666,200:34:0	
152	0	241	00:15:40.266	488BI6B	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,666,261:43:0	
153	0	241	02:21:53.600	488BI6C	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,666,386:28:0	
154	0	241	02:25:48.266	488BI6D	6TMSED	FILL,AL3	Sci. Eng. and D/L Chan	400	4	0	5,666,390:16:0	
155	0	241	06:50:15.600	488BJ6A	6TMSED	NORM,AL3	Sci. Eng. and D/L Chan	400	4	0	5,666,651:66:0	
156	0	241	06:58:52.266	488BJ6B	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,666,660:22:0	
157	0	241	08:13:38.933	488BJ6C	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,666,734:18:0	
158	0	241	08:19:56.266	488BJ6D	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,666,740:38:0	
159	0	241	08:44:57.600	488BJ6E	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,666,765:15:0	
160	0	241	13:52:28.933	488BK6A	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,667,069:28:0	
161	0	241	13:57:00.266	488BK6B	6TMSED	FILL,AL3	Sci. Eng. and D/L Chan	400	4	0	5,667,073:71:0	
162	0	241	23:10:20.866	488BL6A	6TMSED	NORM,AL3	Sci. Eng. and D/L Chan	400	4	0	5,667,621:04:0	
163	0	241	23:20:12.200	488BL6B	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,667,630:72:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
164	0	242	00:33:00.200	488BL6C	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,667,702:72:0	
165	0	242	01:06:39.533	488BL6D	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,667,736:07:0	
166	0	242	01:30:20.200	488BL6E	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,667,759:45:0	
167	0	242	06:37:32.200	488BM6A	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,668,063:29:0	
168	0	242	07:20:12.200	488BM6B	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,668,105:47:0	
169	0	242	08:10:44.200	488BM6C	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,668,155:45:0	
170	0	242	08:39:50.866	488BM6D	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,668,184:26:0	
171	0	242	08:45:32.200	488BM6E	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,668,189:83:0	
172	0	242	14:00:04.866	176SU6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	400	4	0	5,668,501:00:0	
173	0	242	14:02:00.200	20SU6A	6TMSED	NORM,AH6	Sci. Eng. and D/L Chan	400	4	0	5,668,502:82:0	
174	0	242	14:02:06.200	176KA6A	6TMREC	ORT	OPNAV - REAL TIME Record Mode Change	400	4	0	5,668,503:00:0	
175	0	242	14:03:30.200	20UZ4A	7SCAN	NORM,155.718,11.	Check S/P Position	400	4	0	5,668,504:35:0	
176	0	242	14:36:00.200	444SA443A4B	7MODE	INT	AACS INERTIAL MODE	400	4	0	5,668,536:48:0	
177	0	242	15:02:45.533	165IA4A	7SCAN	NORM,156.682999,	Check S/P Position	400	4	0	5,668,562:90:0	
178	0	242	15:06:47.533	165IA4B	7VECT		Inert vect update UTC	400	4	0	5,668,566:89:0	
179	0	242	15:41:10.866	165IB4A	7SCAN	NORM,158.546999,	Check S/P Position	400	4	0	5,668,600:90:0	
180	0	242	15:54:19.533	165IC4A	7SCAN	NORM,158.549,10.	Check S/P Position	400	4	0	5,668,613:90:0	
181	0	242	16:11:22.200	165ID4A	7SCAN	NORM,158.605,10.	Check S/P Position	400	4	0	5,668,630:77:0	
182	0	242	16:11:40.200	118ID	GS			400	4	0	5,668,631:13:0	
183	0	242	16:12:25.533	118ID110A11A4A	7STRP	GE	Slew =0.51	400	4	0	5,668,631:81:0	
184	0	242	16:12:34.200	118ID11A	SMODE			400	4	0	5,668,632:03:0	
185	0	242	16:34:00.200	444SC443A4A	7MODE	GRU	AACS CRUISE MODE	400	4	0	5,668,653:21:0	
186	0	242	16:39:36.200	20KA4B	7SAFE	UNSTOW	S/P TO 153 deg cone	400	4	0	5,668,658:70:0	
187	0	242	16:47:04.200	20SX4A	7SAFE	STOP	S/P NO MOVEMENT	400	4	0	5,668,666:14:0	
188	0	242	16:47:54.200	20SX4B	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5,668,666:89:0	
189	0	242	16:49:56.866	176SV6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	400	4	0	5,668,669:00:0	
190	0	242	16:50:00.200	20SU6B	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,668,669:05:0	
191	0	242	17:17:32.200	488BN6A	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,668,696:26:0	
192	0	242	18:36:28.200	488BN6B	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,668,774:32:0	
193	0	242	18:50:27.533	488BN6C	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,668,788:17:0	
194	0	242	18:59:56.200	488BN6D	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,668,797:51:0	
195	0	243	09:21:31.466	488BO6A	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,669,649:62:0	
196	0	243	17:17:32.133	488BP6A	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,670,120:42:0	
197	0	243	18:36:28.133	488BP6B	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,670,198:48:0	
198	0	243	18:50:35.466	488BP6C	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,670,212:45:0	
199	0	244	06:39:18.133	488BQ6A	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,670,913:38:0	
200	0	244	07:09:32.133	488BQ6B	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,670,943:29:0	
201	0	244	07:26:24.133	176SD6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	400	4	0	5,670,960:00:0	
202	0	244	07:33:00.133	488BQ6C	6TMSED	NORM,AH5	Sci. Eng. and D/L Chan	400	4	0	5,670,966:48:0	
203	0	244	08:09:00.133	20SV4I	7MODE	INT	AACS INERTIAL MODE	400	4	0	5,671,002:12:0	
204	0	244	08:24:00.133	20SV4K	7SLEW	INIT,POS,17.45	Stator movement	400	4	0	5,671,016:88:0	
205	0	244	08:30:36.133	488BQ6D	6TMSED	NORM,AH6	Sci. Eng. and D/L Chan	400	4	0	5,671,023:45:0	
206	0	244	08:36:00.133	20SV4L	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5,671,028:76:0	
207	0	244	08:43:00.133	20SV4M	7SLEW	INIT,NEG,17.45	Stator movement	400	4	0	5,671,035:69:0	
208	0	244	08:55:00.133	20SV4N	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5,671,047:57:0	
209	0	244	09:07:00.133	20SV4AH	7MODE	CRU	AACS CRUISE MODE	400	4	0	5,671,059:45:0	
210	0	244	09:23:04.133	20SW4A	7SAFE	STOP	S/P NO MOVEMENT	400	4	0	5,671,075:35:0	
211	0	244	09:23:54.133	20SW4B	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5,671,076:19:0	
212	0	244	09:25:42.800	176SE6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	400	4	0	5,671,078:00:0	
213	0	244	09:43:00.133	488BQ6E	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,671,095:09:0	
214	0	244	13:54:00.800	488BR6A	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,671,343:32:0	
215	0	244	13:57:00.133	488BR6B	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,671,346:28:0	
216	0	244	23:09:23.400	488BS6A	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,671,892:57:0	
217	0	245	00:27:38.066	488BS6B	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,671,970:01:0	
218	0	245	01:01:17.400	488BS6C	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,672,003:27:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
219	0	245	01:15:24.066	488BS6D	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,672,017:23:0	
220	0	245	09:02:36.066	488BT6A	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,672,479:29:0	
221	0	245	10:31:44.733	488BT6B	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,672,567:44:0	
222	0	245	10:58:34.066	488BT6C	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,672,594:01:0	
223	0	245	17:32:06.066	488BU6A	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,672,968:74:0	
224	0	245	18:32:12.066	488BU6B	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,673,042:60:0	
225	0	245	18:45:50.066	488BU6C	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,673,056:13:0	
226	0	245	18:55:40.066	488BU6D	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,673,065:79:0	
227	0	246	00:02:44.733	488BV6A	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,673,369:52:0	
228	0	246	01:45:16.000	488BV6B	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,673,470:88:0	
229	0	246	07:07:24.000	488BW6A	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,673,789:51:0	
230	0	246	07:39:24.000	488BW6B	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,673,821:19:0	
231	0	246	08:35:14.666	488BW6C	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,673,876:40:0	
232	0	246	09:04:20.666	488BW6D	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,673,905:20:0	
233	0	246	17:51:40.000	488BX6A	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,674,426:68:0	
234	0	246	18:40:58.000	488BX6B	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,674,475:46:0	
235	0	246	23:09:38.666	488BX6C	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,674,741:21:0	
236	0	246	23:35:08.000	488BX6D	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,674,766:40:0	
237	0	247	01:34:36.000	488BY6A	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,674,884:54:0	
238	0	247	03:59:36.000	431MC6A	6RCSEL	DDSSEL,PL,SNCG,EP	Record Select (DDS onl)	400	4	0	5,675,028:00:0	
239	0	247	17:21:47.933	488BZ6A	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,675,821:35:0	
240	0	247	18:32:11.933	488BZ6B	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,675,891:01:0	
241	0	247	18:40:41.933	488BZ6C	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,675,899:38:0	
242	0	247	18:47:07.933	488BZ6D	6TMSED	FILL,AL3	Sci. Eng. and D/L Chan	400	4	0	5,675,905:71:0	
243	0	247	22:46:05.266	488BZ6E	6TMSED	NORM,AL3	Sci. Eng. and D/L Chan	400	4	0	5,676,142:10:0	
244	0	247	22:54:35.933	488CA6A	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,676,150:48:0	
245	0	248	00:07:15.266	488CA6B	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,676,222:35:0	
246	0	248	00:30:35.933	488CA6C	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,676,245:43:0	
247	0	248	00:37:35.266	488CA6D	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,676,252:35:0	
248	0	248	05:08:15.933	488CB6A	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,676,520:08:0	
249	0	248	05:12:11.933	488CB6B	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,676,523:89:0	
250	0	248	06:24:48.600	488CB6C	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,676,595:72:0	
251	0	248	06:27:13.266	488CB6D	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,676,598:16:0	
252	0	248	06:52:27.933	488CB6E	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,676,623:13:0	
253	0	248	06:58:11.266	488CC6A	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,676,628:73:0	
254	0	248	08:00:43.933	488CC6B	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,676,690:60:0	
255	0	248	13:54:15.266	488CC6A	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,677,040:27:0	
256	0	248	13:56:59.933	488CD6B	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,677,043:01:0	
257	0	248	23:39:53.200	488CE6A	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,677,619:45:0	
258	0	249	00:19:55.866	488CE6B	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,677,659:09:0	
259	0	249	00:59:53.200	488CE6C	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,677,698:56:0	
260	0	249	01:28:59.866	488CE6D	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,677,727:37:0	
261	0	249	06:18:19.866	488CF6A	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,678,013:51:0	
262	0	249	06:46:03.866	488CF6B	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,678,040:90:0	
263	0	249	07:50:03.866	488CF6C	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,678,104:26:0	
264	0	249	07:51:14.533	488CF6D	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,678,105:41:0	
265	0	249	08:18:04.533	488CF6E	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,678,131:90:0	
266	0	249	14:09:03.200	488CG6A	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,678,479:10:0	
267	0	249	14:11:55.866	488CG6B	6TMSED	FILL,AL3	Sci. Eng. and D/L Chan	400	4	0	5,678,481:87:0	
268	0	249	22:36:20.533	488CH6A	6TMSED	NORM,AL3	Sci. Eng. and D/L Chan	400	4	0	5,678,980:75:0	
269	0	249	22:46:03.866	488CH6B	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,678,990:40:0	
270	0	250	00:02:00.533	488CH6C	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,679,065:50:0	
271	0	250	00:26:19.866	488CH6D	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,679,089:55:0	
272	0	250	00:32:39.866	488CH6E	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,679,095:79:0	
273	0	250	04:53:27.200	488CI6A	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,679,353:72:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
274	0	250	04:57:15.866	488C16B	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,679,357:51:0	
275	0	250	06:41:47.866	488C16C	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,679,460:86:0	
276	0	250	06:44:27.866	488C16D	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,679,463:53:0	
277	0	250	07:45:47.800	488C16E	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,679,524:22:0	
278	0	250	17:23:55.800	488C16A	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,680,096:02:0	
279	0	250	18:23:39.800	488C16B	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,680,155:09:0	
280	0	250	18:41:28.466	488C16C	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,680,172:65:0	
281	0	250	18:51:23.800	488C16D	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,680,182:48:0	
282	0	250	23:33:21.800	488C16A	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,680,461:36:0	
283	0	251	00:51:55.800	488C16B	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,680,539:09:0	
284	0	251	04:54:33.800	488C16C	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,680,779:06:0	
285	0	251	04:57:15.800	488C16D	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,680,781:67:0	
286	0	251	06:15:10.466	488C16A	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,680,858:72:0	
287	0	251	07:11:39.800	488C16B	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,680,914:60:0	
288	0	251	07:39:36.466	488C16C	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,680,942:27:0	
289	0	251	08:08:42.466	488C16D	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,680,971:07:0	
290	0	251	13:54:08.466	488C16A	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,681,312:65:0	
291	0	251	13:59:07.800	488C16B	6TMSED	FILL,AL3	Sci. Eng. and D/L Chan	400	4	0	5,681,317:59:0	
292	0	251	22:26:35.733	488C16A	6TMSED	NORM,AL3	Sci. Eng. and D/L Chan	400	4	0	5,681,819:49:0	
293	0	251	23:53:23.733	488C16B	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,681,828:22:0	
294	0	251	23:53:23.066	488C16C	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,681,905:34:0	
295	0	251	23:56:27.733	488C16D	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,681,908:38:0	
296	0	252	00:23:37.733	488C16E	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,681,935:26:0	
297	0	252	03:11:11.066	176SF6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	400	4	0	5,682,101:00:0	
298	0	252	03:16:19.733	20UL4B	7SAFE	UNSTOW	SIP TO 153 deg cone	400	4	0	5,682,106:08:0	
299	0	252	03:35:19.733	20UL4D	7MODE	INT	AACS INERTIAL MODE	400	4	0	5,682,124:80:0	
300	0	252	06:14:25.733	488CO6A	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,682,282:21:0	
301	0	252	06:21:59.733	20UL4F	7MODE	CRU	AACS CRUISE MODE	400	4	0	5,682,289:65:0	
302	0	252	06:22:59.733	488CO6B	6TMSED	FILL,AH5	Sci. Eng. and D/L Chan	400	4	0	5,682,290:64:0	
303	0	252	06:30:09.066	20AS6A	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,682,297:71:0	
304	0	252	06:53:59.733	20BA4AA	7STAT	10.00,37.5787,-6	Stator inertial point	400	4	0	5,682,321:33:0	
305	0	252	06:54:11.733	20BA6AA	6MROH	7.6744,0,A2	read from AACSA7.6744.0,A2	400	4	0	5,682,321:51:0	
306	0	252	06:59:59.733	474BA416A4B	7MODE	INT	AACS INERTIAL MODE	400	4	0	5,682,327:27:0	
307	0	252	07:01:59.733	474BA416A4D	7SAFE	UNSTOW	SIP TO 153 deg cone	400	4	0	5,682,329:25:0	
308	0	252	07:02:19.733	20BA4AD	7STAT	17.45,37.5787,-6	Stator inertial point	400	4	0	5,682,329:55:0	
309	0	252	07:06:13.733	474BA416A4E	7BURN	Z,37.5787,-65.56	ALERT -- Thruster fire	400	4	0	5,682,333:42:0	
310	0	252	07:18:31.733	488CO6C	6TMSED	NORM,AH5	Sci. Eng. and D/L Chan	400	4	0	5,682,345:57:0	
311	0	252	07:31:01.733	20BA4AF	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5,682,357:90:0	
312	0	252	07:34:29.733	488CO6D	6TMSED	FILL,AH5	Sci. Eng. and D/L Chan	400	4	0	5,682,361:38:0	
313	0	252	07:36:53.733	20BA4AG	7MODE	CRU	AACS CRUISE MODE	400	4	0	5,682,363:72:0	
314	0	252	07:58:09.733	20BA4AJ	7STAT	10.00,37.5787,-6	Stator inertial point	400	4	0	5,682,384:75:0	
315	0	252	07:58:21.733	20BA6AB	6MROH	7.6744,0,A10	read from AACSA7.6744.0,A10	400	4	0	5,682,385:02:0	
316	0	252	08:03:35.733	488CO6E	6TMSED	NORM,AH5	Sci. Eng. and D/L Chan	400	4	0	5,682,390:18:0	
317	0	252	08:04:09.733	20BA4AK	7MODE	INT	AACS INERTIAL MODE	400	4	0	5,682,390:69:0	
318	0	252	08:06:09.733	474BA416A4G	7BURN	T,37.5787,-65.56	ALERT -- Thruster fire	400	4	0	5,682,392:67:0	
319	0	252	08:39:28.400	488CP6A	6TMSED	FILL,AH5	Sci. Eng. and D/L Chan	400	4	0	5,682,425:62:0	
320	0	252	09:08:34.400	488CP6B	6TMSED	NORM,AH5	Sci. Eng. and D/L Chan	400	4	0	5,682,454:42:0	
321	0	252	09:14:13.733	20BA4AM	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5,682,460:05:0	
322	0	252	09:19:05.733	20BA4AN	7MODE	CRU	AACS CRUISE MODE	400	4	0	5,682,464:79:0	
323	0	252	10:38:21.733	20BA4AT	7STAT	10.00,37.5787,-6	Stator inertial point	400	4	0	5,682,543:24:0	
324	0	252	10:38:33.733	20BA6AC	6MROH	7.6744,0,A10	read from AACSA7.6744.0,A10	400	4	0	5,682,543:42:0	
325	0	252	10:44:21.733	20BA4AV	7MODE	INT	AACS INERTIAL MODE	400	4	0	5,682,549:18:0	
326	0	252	10:46:21.733	474BA416A4M	7BURN	T,37.5787,-65.56	ALERT -- Thruster fire	400	4	0	5,682,551:16:0	
327	0	252	11:51:07.733	488CP6C	6TMSED	NORM,AH6	Sci. Eng. and D/L Chan	400	4	0	5,682,615:21:0	
328	0	252	11:54:25.733	20BA4AX	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5,682,618:45:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
329	0	252	11:59:17.733	20BA4AY	7MODE	CRU	AACS CRUISE MODE	400	4	0	5,682,623:28:0	
330	0	252	13:14:19.733	488CP6D	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	400	4	0	5,682,697:47:0	
331	0	252	13:42:49.733	20BB4A	7SAFE	STOP	S/P NO MOVEMENT	400	4	0	5,682,725:64:0	
332	0	252	13:43:39.733	20BB4B	7SLEW	DIS,POS,0,0	Stator movement	400	4	0	5,682,726:48:0	
333	0	252	13:45:09.066	176BA6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	400	4	0	5,682,728:00:0	
334	0	252	13:54:16.400	488CP6E	6TMSED	FILL,AH5	Sci, Eng, and D/L Chan	400	4	0	5,682,737:02:0	
335	0	252	13:59:07.733	488CQ6A	6TMSED	FILL,AH4	Sci, Eng, and D/L Chan	400	4	0	5,682,741:75:0	
336	0	252	14:32:40.400	176SG6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	400	4	0	5,682,775:00:0	
337	0	252	14:34:59.733	444SB443A4A	7MODE	CRU	AACS CRUISE MODE	400	4	0	5,682,777:27:0	
338	0	252	14:40:59.733	488CQ6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,682,783:21:0	
339	0	252	14:41:03.733	20SG4A	7SAFE	STOP	S/P NO MOVEMENT	400	4	0	5,682,783:27:0	
340	0	252	14:41:53.733	20SG4B	7SLEW	DIS,POS,0,0	Stator movement	400	4	0	5,682,784:11:0	
341	0	252	14:44:48.400	176SH6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	400	4	0	5,682,787:00:0	
342	0	252	23:40:23.733	488CR6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,683,316:64:0	
343	0	252	23:50:03.733	488CR6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,683,326:24:0	
344	0	253	00:59:23.733	488CR6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,683,394:76:0	
345	0	253	01:28:29.733	488CR6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,683,423:56:0	
346	0	253	07:54:21.666	488CS6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,683,805:22:0	
347	0	253	08:28:27.666	488CS6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,683,838:88:0	
348	0	253	10:25:47.666	488CS6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,683,955:01:0	
349	0	253	14:22:35.666	488CT6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,684,189:19:0	
350	0	253	14:39:11.000	488CT6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,684,205:56:0	
351	0	253	14:43:55.666	488CT6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	400	4	0	5,684,210:28:0	
352	0	253	22:16:50.333	488CU6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	400	4	0	5,684,658:22:0	
353	0	253	22:26:51.666	488CU6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,684,668:14:0	
354	0	253	22:56:43.666	488CU6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,684,697:63:0	
355	0	254	00:26:19.666	488CU6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,684,786:28:0	
356	0	254	06:01:03.666	488CV6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,685,117:33:0	
357	0	254	07:22:53.000	488CV6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,685,198:26:0	
358	0	254	17:31:31.600	488CW6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,685,786:36:0	
359	0	254	17:54:06.266	488CW6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,685,822:52:0	
360	0	254	17:58:03.600	488CW6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,685,826:44:0	
361	0	254	22:41:41.600	176SO6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	400	4	0	5,686,107:00:0	
362	0	254	22:47:45.600	465WK6A	6DMST		5000 DMS Slew to TIC	400	4	0	5,686,113:00:0	
363	0	254	22:47:45.600		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	400	4	0	5,686,113:00:0	
364	0	254	22:47:45.600		DMS:	:*SLEW-TIC	P7, TRACK 1, FWD, TIC 202.12 +/-	400	4	0	5,686,113:00:0	
365	0	254	22:47:45.600		DMS:	:*TURNARND	P7, TRACK 1, FWD, TIC 202.12 +/-	400	4	0	5,686,113:00:0	
366	0	254	22:47:52.266		DMS:	:*RUNUP	P7, TRACK 1, FWD, TIC 202.12 +/-	400	4	0	5,686,113:10:0	
367	0	254	22:47:53.666		DMS:	:*AT SPD	P7, TRACK 1, FWD, TIC *202.24 +/-	400	4	0	5,686,113:12:1	
368	0	255	04:28:54.400		DMS:	:*RUNDOWN	P7, TRACK 1, FWD, TIC *4997.94 +/-	400	4	0	5,686,450:36:2	
369	0	255	04:28:55.600		DMS:	:*READY	RDY, TRACK 1, FWD, TIC *4998.00 +/-	400	4	0	5,686,450:38:0	
370	0	255	04:41:26.933		DMS:	:*US-RUNUP	P7, TRACK 1, FWD, TIC 4998.00 +/-	400	4	0	5,686,462:73:0	
371	0	255	04:41:26.933	465WL6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	400	4	0	5,686,462:73:0	
372	0	255	04:41:28.333		DMS:	:*US_AT_SP	P7, TRACK 1, FWD, TIC *4998.12 +/-	400	4	0	5,686,462:75:1	
373	0	255	04:41:33.600		DMS:	:*US_RD	P7, TRACK 1, FWD, TIC *4999.35 +/-	400	4	0	5,686,462:83:0	
374	0	255	04:41:34.800		DMS:	:*RUNUP	P100, TRACK 4, REV, TIC *4999.41 +/-	400	4	0	5,686,462:84:8	
375	0	255	04:41:38.666		DMS:	:*P_SLEW	P100, TRACK 4, REV, TIC *4999.91 +/-	400	4	0	5,686,462:90:6	
376	0	255	04:41:38.666		DMS:	:*AT SPD	P100, TRACK 4, REV, TIC 4993.91 +/-	400	4	0	5,686,462:90:6	
377	0	255	05:07:18.933		DMS:	:*RUNDOWN	P100, TRACK 4, REV, TIC *255.79 +/-	400	4	0	5,686,488:35:0	
378	0	255	05:07:18.933	465WL6B	6DMSC	RDY,4	DMS Control Tape stop	400	4	0	5,686,488:35:0	
379	0	255	05:07:20.133		DMS:	:*READY	RDY, TRACK 4, REV, TIC *254.99 +/-	400	4	0	5,686,488:36:8	
380	0	255	05:55:40.266	488CX6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,686,536:19:0	
381	0	255	06:16:11.600	488CX6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,686,556:46:0	
382	0	255	07:10:10.266		DMS:	:*US-RUNUP	P7, TRACK *1, *FWD, TIC 254.99 +/-	400	4	0	5,686,609:81:0	
383	0	255	07:10:10.266		DMS:	:*DMS-TURN	P7, TRACK 4, REV, TIC 254.99 +/-	400	4	0	5,686,609:81:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	GRIM	MF I
384	0	255	07:10:10.266	465WM6A	6DTRN	CMD,6DTRN,465WM6	DMS TRACK TURNAROUND	400	4	0	5,686,609:81:0	
385	0	255	07:10:11.666		DMS:	: *US AT_SP	P7, TRACK 1, FWD, TIC * 255.11 +/-	400	4	0	5,686,609:83:1	
386	0	255	07:10:16.933		DMS:	: *US RD	P7, TRACK 1, FWD, TIC * 256.34 +/-	400	4	0	5,686,610:00:0	
387	0	255	07:10:18.133		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 256.40 +/-	400	4	0	5,686,610:01:8	
388	0	255	07:10:19.533		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 256.28 +/-	400	4	0	5,686,610:03:9	
389	0	255	07:11:39.600	488CX6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,686,611:33:0	
390	0	255	07:14:09.600	488CX6D	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	400	4	0	5,686,613:76:0	
391	0	255	07:14:20.200		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	400	4	0	5,686,614:00:9	
392	0	255	07:14:21.400		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	400	4	0	5,686,614:02:7	
393	0	255	07:14:21.400		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	400	4	0	5,686,614:02:7	
394	0	255	07:14:22.800		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	400	4	0	5,686,614:04:8	
395	0	255	07:14:34.800		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	400	4	0	5,686,614:22:8	
396	0	255	07:14:36.000		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	400	4	0	5,686,614:24:6	
397	0	255	07:20:12.933	465WN6A	6DMSC	P100,1	DMS Control Tape P/B 100.8kbps	400	4	0	5,686,619:75:0	
398	0	255	07:20:12.933		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	400	4	0	5,686,619:75:0	
399	0	255	07:20:19.600		DMS:	: *RUNUP	P100, TRACK 1, FWD, TIC 202.12 +/-	400	4	0	5,686,619:85:0	
400	0	255	07:20:23.466		DMS:	: *P_SLEW	P100, TRACK 1, FWD, TIC * 207.62 +/-	400	4	0	5,686,619:90:8	
401	0	255	07:20:23.466		DMS:	: *AT_SPD	P100, TRACK 1, FWD, TIC 207.62 +/-	400	4	0	5,686,619:90:8	
402	0	255	07:52:06.933		DMS:	: *RUNDOWN	P100, TRACK 1, FWD, TIC * 6063.01 +/-	400	4	0	5,686,651:34:0	
403	0	255	07:52:06.933	465WN6B	6DMSC	RDY,1	DMS Control Tape stop	400	4	0	5,686,651:35:8	
404	0	255	07:52:08.133		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 6063.81 +/-	400	4	0	5,686,651:35:8	
405	0	255	08:07:42.933		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 6063.81 +/-	400	4	0	5,686,666:73:0	
406	0	255	08:07:42.933	465WO6A	6DMSC	P100,2	DMS Control Tape P/B 100.8kbps	400	4	0	5,686,666:73:0	
407	0	255	08:07:44.333		DMS:	: *US AT_SP	P7, TRACK 1, FWD, TIC * 6063.93 +/-	400	4	0	5,686,666:75:1	
408	0	255	08:07:49.600		DMS:	: *US RD	P7, TRACK 1, FWD, TIC * 6065.17 +/-	400	4	0	5,686,666:83:0	
409	0	255	08:07:50.800		DMS:	: *RUNUP	P100, TRACK *2, *REV, TIC * 6065.23 +/-	400	4	0	5,686,666:84:8	
410	0	255	08:07:54.666		DMS:	: *P_SLEW	P100, TRACK 2, REV, TIC * 6059.73 +/-	400	4	0	5,686,666:90:6	
411	0	255	08:07:54.666		DMS:	: *AT_SPD	P100, TRACK 2, REV, TIC 6059.73 +/-	400	4	0	5,686,666:90:6	
412	0	255	08:39:50.933	465WP6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	400	4	0	5,686,698:53:0	
413	0	255	08:39:50.933		DMS:	: *RUNDOWN	P100, TRACK 2, REV, TIC * 164.96 +/-	400	4	0	5,686,698:53:0	
414	0	255	08:39:52.133		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 164.16 +/-	400	4	0	5,686,698:54:8	
415	0	255	08:39:56.000		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 169.66 +/-	400	4	0	5,686,698:60:6	
416	0	255	08:39:56.000		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 169.66 +/-	400	4	0	5,686,698:60:6	
417	0	255	09:11:51.600		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC * 6062.38 +/-	400	4	0	5,686,730:22:0	
418	0	255	09:11:51.600	465WP6B	6DMSC	RDY,3	DMS Control Tape stop	400	4	0	5,686,730:23:8	
419	0	255	09:11:52.800		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 6063.18 +/-	400	4	0	5,686,730:23:8	
420	0	255	09:26:34.933		DMS:	: *US-RUNUP	P7, TRACK *1, FWD, TIC 6063.18 +/-	400	4	0	5,686,744:73:0	
421	0	255	09:26:34.933	465WQ6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	400	4	0	5,686,744:73:0	
422	0	255	09:26:36.333		DMS:	: *US AT_SP	P7, TRACK 1, FWD, TIC * 6063.30 +/-	400	4	0	5,686,744:75:1	
423	0	255	09:26:41.600		DMS:	: *US RD	P7, TRACK 1, FWD, TIC * 6064.53 +/-	400	4	0	5,686,744:83:0	
424	0	255	09:26:42.800		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC * 6064.59 +/-	400	4	0	5,686,744:84:8	
425	0	255	09:26:46.666		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC * 6059.09 +/-	400	4	0	5,686,744:90:6	
426	0	255	09:26:46.666		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 6059.09 +/-	400	4	0	5,686,744:90:6	
427	0	255	09:58:42.266		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 166.38 +/-	400	4	0	5,686,776:52:0	
428	0	255	09:58:42.266	465WR6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	400	4	0	5,686,776:52:0	
429	0	255	09:58:43.466		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 165.58 +/-	400	4	0	5,686,776:53:8	
430	0	255	09:58:47.333		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 171.08 +/-	400	4	0	5,686,776:59:6	
431	0	255	09:58:47.333		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 171.08 +/-	400	4	0	5,686,776:59:6	
432	0	255	09:59:48.266	465WR6B	6DMSC	RDY,3	DMS Control Tape stop	400	4	0	5,686,777:60:0	
433	0	255	09:59:48.266		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC * 358.52 +/-	400	4	0	5,686,777:60:0	
434	0	255	09:59:49.466		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 359.32 +/-	400	4	0	5,686,777:61:8	
435	0	255	10:00:59.600	488CX6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,686,778:76:0	
436	0	255	10:14:18.266		DMS:	: *READY	RDY, TRACK *4, *REV, TIC 359.32 +/-	400	4	0	5,686,792:00:0	
437	0	255	10:14:18.266	465WS6A	6DMSC	RDY,4	DMS Control Tape stop	400	4	0	5,686,792:00:0	
438	0	255	10:15:12.266	465WT6A	6DTRN	CMD,6DTRN,465WT6	DMS TRACK TURNAROUND	400	4	0	5,686,792:81:0	

Line	YR	DOY	SCET - GMT	PSID	Command Parameters	Description	GCM	GO	GS	GRIM	MF I
439	0	255	10:15:12.266		DMS: : *DMS-TURN	P7, TRACK 4, REV, TIC 359.32 +/-	400	4	0	5,686,792:81:0	
440	0	255	10:15:12.266		DMS: : *US-RUNUP	P7, TRACK *1, *FWD, TIC 359.32 +/-	400	4	0	5,686,792:81:0	
441	0	255	10:15:13.666		DMS: : *US AT SP	P7, TRACK 1, FWD, TIC * 359.44 +/-	400	4	0	5,686,792:83:1	
442	0	255	10:15:18.933		DMS: : *US_RD	P7, TRACK 1, FWD, TIC * 360.67 +/-	400	4	0	5,686,793:00:0	
443	0	255	10:15:20.133		DMS: : *RUNUP	P7, TRACK *4, *REV, TIC * 360.73 +/-	400	4	0	5,686,793:01:8	
444	0	255	10:15:21.533		DMS: : *AT SPD	P7, TRACK 4, REV, TIC * 360.61 +/-	400	4	0	5,686,793:03:9	
445	0	255	10:26:47.333		DMS: : *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	400	4	0	5,686,804:31:6	
446	0	255	10:26:48.533		DMS: : *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	400	4	0	5,686,804:33:4	
447	0	255	10:26:48.533		DMS: : *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	400	4	0	5,686,804:33:4	
448	0	255	10:26:49.933		DMS: : *AT SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	400	4	0	5,686,804:35:5	
449	0	255	10:27:01.933		DMS: : *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	400	4	0	5,686,804:53:5	
450	0	255	10:27:03.133		DMS: : *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	400	4	0	5,686,804:55:3	
451	0	255	10:45:04.266	20SL4A	7SAFE STOP	S/P NO MOVEMENT	400	4	0	5,686,822:39:0	
452	0	255	10:45:54.266	20SL4B	7SLEW DIS,POS,0,0	Stator movement	400	4	0	5,686,823:23:0	
453	0	255	10:46:39.600	176SL6A	6TMREC RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	400	4	0	5,686,824:00:0	
454	0	255	13:55:59.600	488CY6A	6TMSED FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,687,011:23:0	
455	0	255	13:59:07.600	488CY6B	6TMSED FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,687,014:32:0	
456	0	255	23:38:58.866	488CZ6A	6TMSED NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,687,587:76:0	
457	0	256	00:59:01.533	488CZ6B	6TMSED FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,687,667:00:0	
458	0	256	01:28:07.533	488CZ6C	6TMSED NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,687,696:71:0	
459	0	256	07:27:23.533	488DA6A	6TMSED NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,688,031:29:0	
460	0	256	08:00:22.866	488DA6B	6TMSED FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,688,083:66:0	
461	0	256	08:27:12.200	488DA6C	6TMSED NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,688,110:23:0	
462	0	256	14:21:07.533	488DB6A	6TMSED FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,688,460:26:0	
463	0	256	14:24:43.533	488DB6B	6TMSED FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,688,463:77:0	
464	0	256	22:10:52.200	488DC6A	6TMSED NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,688,924:79:0	
465	0	256	22:46:03.533	488DC6B	6TMSED NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,688,959:61:0	
466	0	257	00:07:07.533	488DC6C	6TMSED NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,689,039:77:0	
467	0	257	05:55:51.533	488DD6A	6TMSED FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,689,384:68:0	
468	0	257	06:59:07.533	488DD6B	6TMSED FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,689,387:89:0	
469	0	257	06:35:55.533	488DD6C	6TMSED NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,689,424:34:0	
470	0	257	06:46:03.533	488DD6D	6TMSED NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,689,434:36:0	
471	0	257	07:53:51.533	488DD6E	6TMSED FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,689,501:41:0	
472	0	257	08:22:57.533	488DE6A	6TMSED NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,689,530:21:0	
473	0	257	09:06:51.533	488DE6B	6TMSED NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,689,573:59:0	
474	0	257	10:55:24.133	176SW6A	6TMREC PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	400	4	0	5,689,681:00:0	
475	0	257	10:57:00.133	20SK6A	6TMSED NORM,AH6	Sci, Eng, and D/L Chan	400	4	0	5,689,682:53:0	
476	0	257	10:57:25.466	176KB6A	6TMREC ORT	OPNAV - REAL TIME Record Mode Change	400	4	0	5,689,683:00:0	
477	0	257	10:58:30.133	20SY4A	7SCAN NORM,159.511,9.6	Check S/P Position	400	4	0	5,689,684:06:0	
478	0	257	11:31:00.133	444SM443A4B	7MODE INT	AACS INERTIAL MODE	400	4	0	5,689,716:19:0	
479	0	257	11:58:04.800	165IE4A	7SCAN NORM,159.198,9.5	Check S/P Position	400	4	0	5,689,742:90:0	
480	0	257	12:02:06.800	165IE4B	7VECT	Inert vect update UTC	400	4	0	5,689,746:89:0	
481	0	257	12:36:30.133	165IF4A	7SCAN NORM,160.321999,	Check S/P Position	400	4	0	5,689,780:90:0	
482	0	257	12:49:38.800	165IG4A	7SCAN NORM,160.323,9.3	Check S/P Position	400	4	0	5,689,793:90:0	
483	0	257	13:06:41.466	165IH4A	7SCAN NORM,160.379,9.2	Check S/P Position	400	4	0	5,689,810:77:0	
484	0	257	13:07:00.133	118IH	SMOS GS		400	4	0	5,689,811:14:0	
485	0	257	13:07:44.800	118IH10A111A4A	7STRP 0.00102,0.0,26,0	Slew = -.51	400	4	0	5,689,811:81:0	
486	0	257	13:07:53.466	118IH11A	SMOS GE		400	4	0	5,689,812:03:0	
487	0	257	13:29:00.133	444SN443A4A	7MODE CRU	AACS CRUISE MODE	400	4	0	5,689,832:83:0	
488	0	257	13:34:36.133	20KC4B	7SAFE UNSTOP	S/P TO 153 deg cone	400	4	0	5,689,838:41:0	
489	0	257	13:42:04.133	20SZ4A	7SAFE STOP	S/P NO MOVEMENT	400	4	0	5,689,845:76:0	
490	0	257	13:42:54.133	20SZ4B	7SLEW DIS,POS,0,0	Stator movement	400	4	0	5,689,846:60:0	
491	0	257	13:44:15.466	176SX6A	6TMREC RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	400	4	0	5,689,848:00:0	
492	0	257	13:45:00.133	20SK6B	6TMSED NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,689,848:67:0	
493	0	257	13:56:10.133	488DE6C	6TMSED FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,689,859:71:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
494	0	257	13:59:07.466	488DE6D	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,689,862:64:0	
495	0	257	23:19:13.466	488DF6A	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,690,416:59:0	
496	0	258	00:00:43.466	488DF6B	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,690,457:63:0	
497	0	258	04:56:03.466	488DF6C	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,690,749:71:0	
498	0	258	04:59:23.466	488DF6D	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,690,753:07:0	
499	0	258	05:51:02.133	488DG6A	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,690,804:14:0	
500	0	258	06:01:15.466	488DG6B	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,690,814:24:0	
501	0	258	06:56:43.466	488DG6C	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,690,869:11:0	
502	0	258	08:56:55.466	176SN6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	400	4	0	5,690,988:00:0	
503	0	258	09:02:00.133	20SN4B	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5,690,993:02:0	
504	0	258	09:03:00.133	20SN4D	7MODE	SPNL	AACS ALL-SPIN LOW	400	4	0	5,690,994:01:0	
505	0	258	09:05:00.133	20SN4E	7SAFE	UNSTOW	S/P TO 153 deg cone	400	4	0	5,690,995:90:0	
506	0	258	09:10:30.133	20SN4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	400	4	0	5,691,001:39:0	
507	0	258	09:10:30.800	20SN4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	400	4	0	5,691,001:40:0	
508	0	258	09:10:50.800	20SN4J	7VENT	0.611,1.333,6	ALERT -- Thruster fire	400	4	0	5,691,001:70:0	
509	0	258	09:10:51.466	20SN4I	7VENT	0.611,10.989,6	ALERT -- Thruster fire	400	4	0	5,691,001:71:0	
510	0	258	09:11:11.466	20SN4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	400	4	0	5,691,002:10:0	
511	0	258	09:11:12.133	20SN4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	400	4	0	5,691,002:11:0	
512	0	258	09:11:22.133	20SN4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	400	4	0	5,691,002:26:0	
513	0	258	09:11:22.800	20SN4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	400	4	0	5,691,002:27:0	
514	0	258	09:11:33.800	20SN4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	400	4	0	5,691,002:42:0	
515	0	258	09:11:33.466	20SN4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	400	4	0	5,691,002:43:0	
516	0	258	09:13:20.133	20SN4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	400	4	0	5,691,004:21:0	
517	0	258	09:13:20.800	20SN4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	400	4	0	5,691,004:22:0	
518	0	258	09:13:40.800	20SN4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	400	4	0	5,691,004:52:0	
519	0	258	09:13:41.466	20SN4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	400	4	0	5,691,004:53:0	
520	0	258	09:14:01.466	20SN4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	400	4	0	5,691,004:83:0	
521	0	258	09:14:02.133	20SN4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	400	4	0	5,691,004:84:0	
522	0	258	09:14:12.133	20SN4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	400	4	0	5,691,005:08:0	
523	0	258	09:14:12.800	20SN4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	400	4	0	5,691,005:09:0	
524	0	258	09:14:22.800	20SN4AW	7VENT	1.211,1.333,9	ALERT -- Thruster fire	400	4	0	5,691,005:24:0	
525	0	258	09:14:23.466	20SN4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	400	4	0	5,691,005:25:0	
526	0	258	09:15:20.133	20SN4Z	7MODE	CRU	AACS CRUISE MODE	400	4	0	5,691,006:19:0	
527	0	258	09:40:04.133	20SR4A	7SAFE	STOP	S/P NO MOVEMENT	400	4	0	5,691,030:61:0	
528	0	258	09:40:54.133	20SR4B	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5,691,031:45:0	
529	0	258	09:42:25.466	176SP6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	400	4	0	5,691,033:00:0	
530	0	258	13:55:56.800	488DH6A	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,691,283:67:0	
531	0	258	13:59:07.466	488DH6B	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,691,286:80:0	
532	0	258	22:11:07.400	488DI6A	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,691,773:43:0	
533	0	258	23:11:39.400	488DI6B	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,691,833:31:0	
534	0	258	23:28:39.400	488DI6C	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,691,850:14:0	
535	0	258	23:57:45.400	488DI6D	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,691,878:85:0	
536	0	259	04:55:16.733	488DJ6A	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,692,173:17:0	
537	0	259	06:29:23.400	488DJ6B	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,692,266:24:0	
538	0	259	06:52:27.400	488DJ6C	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,692,289:07:0	
539	0	259	14:16:09.400	488DK6A	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,692,727:82:0	
540	0	259	14:18:19.400	488DK6B	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,692,730:04:0	
541	0	259	23:29:28.733	488DL6A	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,693,275:13:0	
542	0	260	00:46:32.733	488DL6B	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,693,353:31:0	
543	0	260	01:17:38.733	488DL6C	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,693,382:11:0	
544	0	260	07:50:03.333	488DM6A	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,693,770:20:0	
545	0	260	09:14:52.666	488DM6B	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,693,854:10:0	
546	0	260	09:41:42.000	488DM6C	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,693,880:58:0	
547	0	260	14:16:14.666	488DN6A	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,694,152:15:0	
548	0	260	14:18:19.333	488DN6B	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,694,154:20:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
549	0	260	22:49:35.333	488DO6A	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,694,659;79:0	
550	0	260	23:41:31.333	488DO6B	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,694,711:21:0	
551	0	261	06:24:43.333	488DP6A	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,695,110:00:0	
552	0	261	06:43:55.333	488DP6B	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,695,128:90:0	
553	0	261	14:16:20.666	488DQ6A	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,695,576:40:0	
554	0	261	14:18:19.333	488DQ6B	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,695,578:36:0	
555	0	261	23:19:42.600	488DR6A	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,696,113:76:0	
556	0	261	23:32:59.266	488DR6B	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,696,126:88:0	
557	0	262	06:14:03.266	488DS6A	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,696,523:57:0	
558	0	262	07:38:15.266	488DS6B	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,696,606:82:0	
559	0	262	08:07:21.933	488DS6C	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,696,635:63:0	
560	0	262	08:11:23.266	488DS6D	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,696,639:61:0	
561	0	262	13:56:37.933	488DT6A	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,696,981:11:0	
562	0	262	13:59:07.266	488DT6B	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,696,983:53:0	
563	0	263	02:19:51.866	488DU6A	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,697,716:17:0	
564	0	263	03:38:09.200	488DU6B	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,697,793:56:0	
565	0	263	04:07:15.866	488DU6C	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,697,822:37:0	
566	0	263	09:38:51.200	488DV6A	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,698,150:32:0	
567	0	263	10:00:11.200	488DV6B	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,698,171:41:0	
568	0	263	10:44:30.533	488DV6C	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,698,215:26:0	
569	0	263	11:11:20.533	488DV6D	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,698,241:75:0	
570	0	263	17:00:27.200	488DW6A	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,698,587:09:0	
571	0	263	17:45:49.200	488DW6B	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,698,631:88:0	
572	0	263	22:54:57.866	488DW6C	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,698,937:65:0	
573	0	263	23:22:19.200	488DX6A	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,698,964:70:0	
574	0	264	04:56:25.200	488DX6B	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,699,295:18:0	
575	0	264	04:59:23.200	488DX6C	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,699,298:12:0	
576	0	264	05:26:46.533	488DY6A	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,699,325:20:0	
577	0	264	05:37:47.200	488DY6B	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,699,336:10:0	
578	0	264	06:22:35.200	488DY6C	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,699,380:38:0	
579	0	264	17:00:27.133	488DZ6A	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,700,011:25:0	
580	0	264	17:43:58.466	488DZ6B	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,700,054:29:0	
581	0	264	17:45:15.133	488DZ6C	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,700,055:53:0	
582	0	264	21:51:51.133	488DZ6D	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,700,299:43:0	
583	0	264	22:37:31.133	488DZ6E	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,700,344:58:0	
584	0	264	23:07:56.466	488EA6A	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,700,374:66:0	
585	0	264	23:37:02.466	488EA6B	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,700,403:46:0	
586	0	265	04:56:00.466	488EA6C	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,700,718:88:0	
587	0	265	05:03:39.133	488EA6D	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,700,726:48:0	
588	0	265	06:59:13.133	488EB6A	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,700,840:75:0	
589	0	265	13:56:53.800	488EC6A	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,701,253:83:0	
590	0	265	13:59:07.133	488EC6B	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,701,256:10:0	
591	0	265	23:50:11.733	488ED6A	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,701,840:63:0	
592	0	266	01:07:48.400	488ED6B	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,701,917:41:0	
593	0	266	01:36:54.400	488ED6C	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,701,946:21:0	
594	0	266	03:31:55.066	488ED6D	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,702,059:89:0	
595	0	266	04:44:27.066	488ED6E	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,702,131:65:0	
596	0	266	06:26:07.733	488EE6A	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,702,232:25:0	
597	0	266	06:33:15.066	488EE6B	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,702,239:29:0	
598	0	266	09:44:21.066	488EE6C	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,702,428:29:0	
599	0	266	13:56:59.066	488EF6A	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,702,678:16:0	
600	0	266	13:59:07.066	488EF6B	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,702,680:26:0	
601	0	266	23:45:18.400	488EG6A	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,703,260:03:0	
602	0	267	01:02:41.733	488EG6B	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,703,336:52:0	
603	0	267	01:31:47.733	488EG6C	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,703,365:32:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
604	0	267	02:23:39.066	488EG6D	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,703,416:58:0	
605	0	267	05:44:11.066	488EG6E	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,703,614:88:0	
606	0	267	09:34:35.000	488EH6A	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,703,842:76:0	
607	0	267	09:48:29.000	488EH6B	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,703,856:53:0	
608	0	267	21:52:12.333	488EI6A	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,704,562:42:0	
609	0	267	21:52:43.000	488EI6B	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,704,572:78:0	
610	0	267	22:58:51.000	488EI6C	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,704,638:24:0	
611	0	268	06:00:00.333	481UA4A	7VECT	BB1	Inert vect update UTC	400	4	0	5,705,054:72:0	
612	0	268	13:07:23.666	488EJ6A	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,705,477:44:0	
613	0	268	13:10:03.000	488EJ6B	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,705,480:10:0	
614	0	269	00:10:32.933	488EK6A	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,706,133:32:0	
615	0	269	01:23:54.933	488EK6B	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,706,205:83:0	
616	0	269	01:28:50.933	488EK6C	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,706,210:72:0	
617	0	269	01:55:40.266	488EK6D	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,706,237:29:0	
618	0	269	06:24:42.933	488EL6A	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,706,503:37:0	
619	0	269	06:36:28.266	488EL6B	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,706,515:03:0	
620	0	269	06:43:54.933	488EL6C	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,706,522:36:0	
621	0	269	23:19:46.266	488EM6A	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,707,507:28:0	
622	0	270	08:58:41.533	488EN6A	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,708,079:79:0	
623	0	270	09:25:31.533	488EN6B	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,708,106:37:0	
624	0	270	15:35:06.866	488EO6A	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,708,471:85:0	
625	0	270	17:04:42.866	488EO6B	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,708,560:50:0	
626	0	270	17:18:52.200	488EO6C	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,708,574:50:0	
627	0	270	21:27:32.200	488EO6D	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,708,820:44:0	
628	0	270	21:37:46.866	488EP6A	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,708,830:56:0	
629	0	270	22:37:30.866	488EP6B	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,708,889:63:0	
630	0	271	06:27:53.533	488EQ6A	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,709,354:82:0	
631	0	271	06:31:06.866	488EQ6B	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,709,358:08:0	
632	0	271	22:30:52.800	488ER6A	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,710,307:28:0	
633	0	271	22:43:54.800	488ER6B	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,710,320:18:0	
634	0	272	04:59:22.800	488ES6A	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,710,691:49:0	
635	0	272	05:22:50.800	488ES6B	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,710,714:68:0	
636	0	272	06:17:05.466	488ES6C	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,710,768:36:0	
637	0	272	06:46:11.466	488ES6D	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,710,797:16:0	
638	0	272	06:48:10.800	488ES6E	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,710,799:13:0	
639	0	272	13:58:14.800	488ET6A	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,711,224:44:0	
640	0	272	22:35:06.133	488EU6A	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,711,735:60:0	
641	0	273	05:01:30.733	488EV6A	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,712,117:75:0	
642	0	273	05:37:46.733	488EV6B	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,712,153:63:0	
643	0	273	12:52:18.733	488EW6A	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,712,583:41:0	
644	0	273	12:55:06.733	488EW6B	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,712,586:20:0	
645	0	273	21:27:53.400	488EX6A	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,713,093:33:0	
646	0	273	21:52:42.733	488EX6B	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,713,117:83:0	
647	0	273	22:41:54.733	488EX6C	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,713,166:52:0	
648	0	273	23:11:00.733	488EX6D	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,713,195:32:0	
649	0	274	00:13:30.733	488EX6E	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,713,257:15:0	
650	0	274	05:13:25.400	488EY6A	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,713,553:71:0	
651	0	274	06:15:15.400	488EY6B	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,713,614:85:0	
652	0	274	06:28:15.400	488EY6C	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,713,627:72:0	
653	0	274	06:55:05.400	488EY6D	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,713,654:30:0	
654	0	274	15:33:28.666	488EZ6A	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,714,167:02:0	
655	0	275	01:30:20.000	488FA6A	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,714,757:29:0	
656	0	275	02:48:09.333	488FA6B	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,714,834:26:0	
657	0	275	03:14:59.333	488FA6C	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,714,860:75:0	
658	0	275	07:00:58.666	488FA6D	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,715,084:30:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
659	0	275	09:11:06.666	488FB6A	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,715,213:03:0	
660	0	275	09:58:07.333	488FB6B	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,715,259:48:0	
661	0	275	10:24:57.333	488FB6C	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,715,286:06:0	
662	0	275	16:30:34.666	488FC6A	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,715,647:61:0	
663	0	275	16:57:12.666	488FC6B	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,715,674:01:0	
664	0	275	17:04:42.666	488FC6C	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,715,681:39:0	
665	0	275	22:30:25.933	488FC6D	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,716,003:52:0	
666	0	276	13:58:40.600	488FD6A	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,716,921:56:0	
667	0	277	01:30:33.266	488FE6A	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,717,605:81:0	
668	0	277	02:47:56.600	488FE6B	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,717,682:39:0	
669	0	277	03:14:45.933	488FE6C	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,717,708:87:0	
670	0	277	07:05:14.533	488FE6D	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,717,936:82:0	
671	0	277	09:11:06.533	488FF6A	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,718,061:35:0	
672	0	277	09:38:50.533	488FF6B	6TMSED	NORM,AL7	Sci. Eng. and D/L Chan	400	4	0	5,718,088:74:0	
673	0	277	09:49:17.866	488FF6C	6TMSED	FILL,AL7	Sci. Eng. and D/L Chan	400	4	0	5,718,099:14:0	
674	0	277	10:13:50.533	488FF6D	6TMSED	NORM,AL7	Sci. Eng. and D/L Chan	400	4	0	5,718,123:39:0	
675	0	277	12:10:18.533	488FF6E	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,718,238:56:0	
676	0	277	16:26:18.533	488FG6A	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,718,491:73:0	
677	0	277	16:57:25.200	488FG6B	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,718,522:52:0	
678	0	277	17:04:42.533	488FG6C	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,718,529:71:0	
679	0	277	22:20:39.200	488FG6D	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,718,842:23:0	
680	0	278	04:46:34.533	488FH6A	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,719,223:85:0	
681	0	278	05:14:18.533	488FH6B	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,719,251:33:0	
682	0	278	08:58:18.533	488FH6C	6TMSED	NORM,AL7	Sci. Eng. and D/L Chan	400	4	0	5,719,472:82:0	
683	0	278	12:42:18.533	488FH6A	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,719,694:40:0	
684	0	278	13:38:33.200	488FI6B	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,719,750:06:0	
685	0	278	13:42:02.533	488FI6C	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,719,753:47:0	
686	0	278	20:58:25.133	488FJ6A	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,720,185:09:0	
687	0	278	21:24:58.466	488FJ6B	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,720,211:33:0	
688	0	278	22:11:22.466	488FJ6C	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,720,257:23:0	
689	0	278	22:40:28.466	488FJ6D	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,720,286:03:0	
690	0	278	23:24:26.466	488FJ6E	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,720,329:47:0	
691	0	279	04:58:57.800	488FK6A	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,720,660:33:0	
692	0	279	06:00:47.133	488FK6B	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,720,721:46:0	
693	0	279	06:12:42.466	488FK6C	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,720,733:27:0	
694	0	279	06:39:32.466	488FK6D	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,720,759:76:0	
695	0	279	08:39:06.466	488FK6E	6TMSED	NORM,AL7	Sci. Eng. and D/L Chan	400	4	0	5,720,878:08:0	
696	0	279	08:56:12.466	176SQ6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	400	4	0	5,720,895:00:0	
697	0	279	09:01:59.800	20SP4B	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5,720,900:66:0	
698	0	279	09:02:59.800	20SP4D	7MODE	SPNL	AACS ALL-SPIN LOW	400	4	0	5,720,901:65:0	
699	0	279	09:04:59.800	20SP4E	7SAFE	UNSTOW	S/P TO 153 deg cone	400	4	0	5,720,903:63:0	
700	0	279	09:10:29.800	20SP4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	400	4	0	5,720,909:12:0	
701	0	279	09:10:30.466	20SP4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	400	4	0	5,720,909:13:0	
702	0	279	09:10:50.466	20SP4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	400	4	0	5,720,909:43:0	
703	0	279	09:10:51.133	20SP4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	400	4	0	5,720,909:44:0	
704	0	279	09:11:11.133	20SP4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	400	4	0	5,720,909:74:0	
705	0	279	09:11:11.800	20SP4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	400	4	0	5,720,909:75:0	
706	0	279	09:11:21.800	20SP4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	400	4	0	5,720,909:90:0	
707	0	279	09:11:22.466	20SP4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	400	4	0	5,720,910:00:0	
708	0	279	09:11:32.466	20SP4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	400	4	0	5,720,910:15:0	
709	0	279	09:11:33.133	20SP4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	400	4	0	5,720,910:16:0	
710	0	279	09:13:19.800	20SP4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	400	4	0	5,720,911:85:0	
711	0	279	09:13:20.466	20SP4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	400	4	0	5,720,911:86:0	
712	0	279	09:13:40.466	20SP4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	400	4	0	5,720,912:25:0	
713	0	279	09:13:41.133	20SP4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	400	4	0	5,720,912:26:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
714	0	279	09:14:01.133	20SP4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	400	4	0	5,720,912:56:0	
715	0	279	09:14:01.800	20SP4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	400	4	0	5,720,912:57:0	
716	0	279	09:14:11.800	20SP4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	400	4	0	5,720,912:72:0	
717	0	279	09:14:12.466	20SP4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	400	4	0	5,720,912:73:0	
718	0	279	09:14:22.466	20SP4AW	7VENT	1.211,1.333,9	ALERT -- Thruster fire	400	4	0	5,720,912:88:0	
719	0	279	09:14:23.133	20SP4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	400	4	0	5,720,912:89:0	
720	0	279	09:15:19.800	20SP4Z	7MODE	GRU	AACS CRUISE MODE	400	4	0	5,720,913:83:0	
721	0	279	09:40:03.800	20SQ4A	7SAFE	STOP	S/P NO MOVEMENT	400	4	0	5,720,938:34:0	
722	0	279	09:40:53.800	20SQ4B	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5,720,939:18:0	
723	0	279	09:42:43.133	176SR6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	400	4	0	5,720,941:00:0	
724	0	279	12:57:14.466	488FL6A	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,721,133:35:0	
725	0	279	13:58:59.800	488FL6B	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,721,194:42:0	
726	0	279	22:10:52.466	488FM6A	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,721,680:85:0	
727	0	280	04:27:22.400	488FN6A	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,722,053:27:0	
728	0	280	05:03:38.400	488FN6B	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,722,089:15:0	
729	0	280	08:19:54.400	488FN6C	6TMSED	NORM,AL7	Sci. Eng. and D/L Chan	400	4	0	5,722,283:25:0	
730	0	280	12:14:40.400	488FO6A	6TMSED	FILL,AL7	Sci. Eng. and D/L Chan	400	4	0	5,722,515:42:0	
731	0	280	12:16:42.400	488FO6B	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,722,517:43:0	
732	0	280	20:43:37.733	488FP6A	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,723,018:75:0	
733	0	280	21:14:18.400	488FP6B	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,723,049:15:0	
734	0	280	22:01:09.733	488FP6C	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,723,095:46:0	
735	0	280	22:30:15.733	488FP6D	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,723,124:26:0	
736	0	280	23:09:30.400	488FP6E	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,723,163:09:0	
737	0	281	04:20:58.400	488FQ6A	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,723,471:13:0	
738	0	281	04:59:22.400	488FQ6B	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,723,509:11:0	
739	0	281	05:42:30.400	488FQ6C	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,723,551:71:0	
740	0	281	06:09:20.400	488FQ6D	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,723,578:29:0	
741	0	281	07:58:34.400	488FQ6E	6TMSED	NORM,AL7	Sci. Eng. and D/L Chan	400	4	0	5,723,686:32:0	
742	0	281	12:15:08.333	488FR6A	6TMSED	FILL,AL7	Sci. Eng. and D/L Chan	400	4	0	5,723,940:09:0	
743	0	281	12:16:42.333	488FR6B	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,723,941:59:0	
744	0	282	01:01:05.000	488FS6A	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,724,697:57:0	
745	0	282	02:17:25.666	488FS6B	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,724,773:12:0	
746	0	282	02:44:15.000	488FS6C	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,724,799:60:0	
747	0	282	07:07:22.333	488FT6A	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,725,059:81:0	
748	0	282	08:41:14.333	488FT6B	6TMSED	NORM,AL7	Sci. Eng. and D/L Chan	400	4	0	5,725,152:66:0	
749	0	282	09:28:47.000	488FT6C	6TMSED	FILL,AL7	Sci. Eng. and D/L Chan	400	4	0	5,725,199:68:0	
750	0	282	09:53:19.666	488FT6D	6TMSED	NORM,AL7	Sci. Eng. and D/L Chan	400	4	0	5,725,224:02:0	
751	0	282	13:20:42.333	488FU6A	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,725,429:11:0	
752	0	282	16:11:22.333	488FU6B	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,725,597:83:0	
753	0	282	16:27:56.333	488FU6C	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,725,614:27:0	
754	0	282	16:34:50.333	488FU6D	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,725,621:11:0	
755	0	282	22:01:10.333	488FV6A	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,725,943:79:0	
756	0	283	04:12:26.266	488FW6A	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,726,311:05:0	
757	0	283	04:48:42.266	488FW6B	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,726,346:84:0	
758	0	283	07:35:06.266	488FW6C	6TMSED	NORM,AL7	Sci. Eng. and D/L Chan	400	4	0	5,726,511:45:0	
759	0	283	13:22:50.266	488FX6A	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,726,855:37:0	
760	0	283	13:58:54.933	488FX6B	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,726,891:08:0	
761	0	283	14:01:14.266	488FX6C	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,726,893:35:0	
762	0	283	22:27:09.600	488FY6A	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,727,393:68:0	
763	0	283	22:43:54.266	488FY6B	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,727,410:28:0	
764	0	283	23:42:14.933	488FY6C	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,727,468:01:0	
765	0	284	00:09:04.266	488FY6D	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,727,494:49:0	
766	0	284	07:07:22.266	488FZ6A	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,727,908:22:0	
767	0	284	08:41:14.200	488FZ6B	6TMSED	NORM,AL7	Sci. Eng. and D/L Chan	400	4	0	5,728,001:07:0	
768	0	284	09:18:34.866	488FZ6C	6TMSED	FILL,AL7	Sci. Eng. and D/L Chan	400	4	0	5,728,038:01:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
769	0	284	09:43:07.533	488FZ6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	400	4	0	5,728,062:26:0	
770	0	284	13:27:06.200	488GA6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,728,283:73:0	
771	0	284	16:07:06.200	488GA6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,728,442:04:0	
772	0	284	16:28:07.533	488GA6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,728,462:76:0	
773	0	284	16:34:50.200	488GA6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,728,469:43:0	
774	0	284	22:11:22.200	488GB6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,728,802:28:0	
775	0	285	07:13:46.200	488GC6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	400	4	0	5,729,338:68:0	
776	0	285	12:40:25.533	488GC6B	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	400	4	0	5,729,661:74:0	
777	0	285	12:42:18.200	488GC6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,729,663:61:0	
778	0	285	15:41:36.200	176SK6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	400	4	0	5,729,841:00:0	
779	0	285	15:47:40.200		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	400	4	0	5,729,847:00:0	
780	0	285	15:47:40.200		DMS:	:*SLEW-TIC	P7, TRACK 1, FWD, TIC 202.12 +/-	400	4	0	5,729,847:00:0	
781	0	285	15:47:40.200	465WA6A	6DMST		5000 DMS Slew to TIC	400	4	0	5,729,847:00:0	
782	0	285	15:47:40.200		DMS:	:*TURNARND	P7, TRACK 1, FWD, TIC 202.12 +/-	400	4	0	5,729,847:00:0	
783	0	285	15:47:46.866		DMS:	:*RUNUP	P7, TRACK 1, FWD, TIC 202.12 +/-	400	4	0	5,729,847:10:0	
784	0	285	15:47:48.266		DMS:	:*AT_SPD	P7, TRACK 1, FWD, TIC * 202.24 +/-	400	4	0	5,729,847:12:1	
785	0	285	21:12:20.800	488GD6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,730,168:10:0	
786	0	285	21:28:48.933		DMS:	:*RUNDOWN	P7, TRACK 1, FWD, TIC *4997.94 +/-	400	4	0	5,730,184:36:2	
787	0	285	21:28:50.133		DMS:	:*READY	RDY, TRACK 1, FWD, TIC *4998.00 +/-	400	4	0	5,730,184:38:0	
788	0	285	21:41:21.466	465WB6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	400	4	0	5,730,196:73:0	
789	0	285	21:41:21.466		DMS:	:*US-RUNUP	P7, TRACK 1, FWD, TIC 4998.00 +/-	400	4	0	5,730,196:73:0	
790	0	285	21:41:22.866		DMS:	:*US AT_SP	P7, TRACK 1, FWD, TIC *4998.12 +/-	400	4	0	5,730,196:75:1	
791	0	285	21:41:28.133		DMS:	:*US RD	P7, TRACK 1, FWD, TIC *4999.35 +/-	400	4	0	5,730,196:83:0	
792	0	285	21:41:29.333		DMS:	:*RUNUP	P100, TRACK 4, REV, TIC *4999.41 +/-	400	4	0	5,730,196:84:8	
793	0	285	21:41:33.200		DMS:	:*AT_SPD	P100, TRACK 4, REV, TIC 4993.91 +/-	400	4	0	5,730,196:90:6	
794	0	285	21:41:33.200		DMS:	:*P_SLEW	P100, TRACK 4, REV, TIC *4993.91 +/-	400	4	0	5,730,196:90:6	
795	0	285	22:07:13.466		DMS:	:*RUNDOWN	P100, TRACK 4, REV, TIC * 255.79 +/-	400	4	0	5,730,222:35:0	
796	0	285	22:07:13.466	465WB6B	6DMSC	RDY,4	DMS Control Tape stop	400	4	0	5,730,222:35:0	
797	0	285	22:07:14.666		DMS:	:*READY	RDY, TRACK 4, REV, TIC * 254.99 +/-	400	4	0	5,730,222:36:8	
798	0	285	22:26:17.466	488GD6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,730,241:22:0	
799	0	285	22:26:58.133	488GD6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,730,243:81:0	
800	0	285	22:53:52.133	488GD6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,730,268:47:0	
801	0	286	00:10:04.800	465WC6A	6DTRN	CMD,6DTRN,465WC6	DMS TRACK TURNAROUND	400	4	0	5,730,343:81:0	
802	0	286	00:10:04.800		DMS:	:*DMS-TURN	P7, TRACK 4, REV, TIC 254.99 +/-	400	4	0	5,730,343:81:0	
803	0	286	00:10:04.800		DMS:	:*US-RUNUP	P7, TRACK *1, FWD, TIC 254.99 +/-	400	4	0	5,730,343:81:0	
804	0	286	00:10:06.200		DMS:	:*US AT_SP	P7, TRACK 1, FWD, TIC * 255.11 +/-	400	4	0	5,730,343:83:1	
805	0	286	00:10:11.466		DMS:	:*US RD	P7, TRACK 1, FWD, TIC * 256.34 +/-	400	4	0	5,730,344:00:0	
806	0	286	00:10:12.666		DMS:	:*RUNUP	P7, TRACK *4, REV, TIC * 256.40 +/-	400	4	0	5,730,344:01:8	
807	0	286	00:10:14.066		DMS:	:*AT_SPD	P7, TRACK 4, REV, TIC * 256.28 +/-	400	4	0	5,730,344:03:9	
808	0	286	00:14:09.466	488GD6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,730,347:84:0	
809	0	286	00:14:14.733		DMS:	:*REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	400	4	0	5,730,348:00:9	
810	0	286	00:14:15.933		DMS:	:*TURNARND	P7, TRACK *1, FWD, TIC * 199.81 +/-	400	4	0	5,730,348:02:7	
811	0	286	00:14:15.933		DMS:	:*RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	400	4	0	5,730,348:02:7	
812	0	286	00:14:17.333		DMS:	:*AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	400	4	0	5,730,348:04:8	
813	0	286	00:14:29.333		DMS:	:*AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	400	4	0	5,730,348:22:8	
814	0	286	00:14:30.533		DMS:	:*READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	400	4	0	5,730,348:24:6	
815	0	286	00:20:07.466	465WD6A	6DMSC	P100,1	DMS Control Tape P/B 100.8kbps	400	4	0	5,730,353:75:0	
816	0	286	00:20:07.466		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	400	4	0	5,730,353:75:0	
817	0	286	00:20:14.133		DMS:	:*RUNUP	P100, TRACK 1, FWD, TIC 202.12 +/-	400	4	0	5,730,353:85:0	
818	0	286	00:20:18.000		DMS:	:*P_SLEW	P100, TRACK 1, FWD, TIC * 207.62 +/-	400	4	0	5,730,353:90:8	
819	0	286	00:20:18.000		DMS:	:*AT_SPD	P100, TRACK 1, FWD, TIC 207.62 +/-	400	4	0	5,730,353:90:8	
820	0	286	00:52:01.466		DMS:	:*RUNDOWN	P100, TRACK 1, FWD, TIC *6063.01 +/-	400	4	0	5,730,385:34:0	
821	0	286	00:52:01.466	465WD6B	6DMSC	RDY,1	DMS Control Tape stop	400	4	0	5,730,385:34:0	
822	0	286	00:52:02.666		DMS:	:*READY	RDY, TRACK 1, FWD, TIC *6063.81 +/-	400	4	0	5,730,385:35:8	
823	0	286	01:07:37.466		DMS:	:*US-RUNUP	P7, TRACK 1, FWD, TIC 6063.81 +/-	400	4	0	5,730,400:73:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
824	0	286	01:07:37.466	465WE6A	6DMSC	P100,2	DMS Control Tape P/B 100.8kbps	400	4	0	5,730,400:73:0	
825	0	286	01:07:38.866		DMS:	: *US AT_SP	P7, TRACK 1, FWD, TIC *6063.93 +/-	400	4	0	5,730,400:75:1	
826	0	286	01:07:44.133		DMS:	: *US RD	P7, TRACK 1, FWD, TIC *6065.17 +/-	400	4	0	5,730,400:83:0	
827	0	286	01:07:45.333		DMS:	: *RUNUP	P100, TRACK 2, *REV, TIC *6065.23 +/-	400	4	0	5,730,400:84:8	
828	0	286	01:07:49.200		DMS:	: *AT_SPD	P100, TRACK 2, REV, TIC *6059.73 +/-	400	4	0	5,730,400:90:6	
829	0	286	01:07:49.200		DMS:	: *P_SLEW	P100, TRACK 2, REV, TIC *6059.73 +/-	400	4	0	5,730,400:90:6	
830	0	286	01:39:45.466	465WF6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	400	4	0	5,730,432:53:0	
831	0	286	01:39:45.466		DMS:	: *RUNDOWN	P100, TRACK 2, REV, TIC *164.96 +/-	400	4	0	5,730,432:53:0	
832	0	286	01:39:46.666		DMS:	: *RUNUP	P100, TRACK 3, *FWD, TIC *164.16 +/-	400	4	0	5,730,432:54:8	
833	0	286	01:39:50.533		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC *169.66 +/-	400	4	0	5,730,432:60:6	
834	0	286	01:39:50.533		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC *169.66 +/-	400	4	0	5,730,432:60:6	
835	0	286	02:11:46.133		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC *6062.38 +/-	400	4	0	5,730,464:22:0	
836	0	286	02:11:46.133	465WF6B	6DMSC	RDY,3	DMS Control Tape stop	400	4	0	5,730,464:22:0	
837	0	286	02:11:47.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *6063.18 +/-	400	4	0	5,730,464:23:8	
838	0	286	02:26:29.466		DMS:	: *US-RUNUP	P7, TRACK *1, FWD, TIC *6063.18 +/-	400	4	0	5,730,478:73:0	
839	0	286	02:26:29.466	465WG6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	400	4	0	5,730,478:73:0	
840	0	286	02:26:30.866		DMS:	: *US AT_SP	P7, TRACK 1, FWD, TIC *6063.30 +/-	400	4	0	5,730,478:75:1	
841	0	286	02:26:36.133		DMS:	: *US RD	P7, TRACK 1, FWD, TIC *6064.53 +/-	400	4	0	5,730,478:83:0	
842	0	286	02:26:37.333		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *6064.59 +/-	400	4	0	5,730,478:84:8	
843	0	286	02:26:41.200		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *6059.09 +/-	400	4	0	5,730,478:90:6	
844	0	286	02:26:41.200		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC *6059.09 +/-	400	4	0	5,730,478:90:6	
845	0	286	02:58:36.800		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC *166.38 +/-	400	4	0	5,730,510:52:0	
846	0	286	02:58:36.800	465WH6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	400	4	0	5,730,510:52:0	
847	0	286	02:58:38.000		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC *165.58 +/-	400	4	0	5,730,510:53:8	
848	0	286	02:58:41.866		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC *171.08 +/-	400	4	0	5,730,510:59:6	
849	0	286	02:58:41.866		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC *171.08 +/-	400	4	0	5,730,510:59:6	
850	0	286	02:59:42.800	465WH6B	6DMSC	RDY,3	DMS Control Tape stop	400	4	0	5,730,511:60:0	
851	0	286	02:59:42.800		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC *358.52 +/-	400	4	0	5,730,511:60:0	
852	0	286	02:59:44.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *359.32 +/-	400	4	0	5,730,511:61:8	
853	0	286	03:00:59.466	488GE6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,730,512:84:0	
854	0	286	03:14:12.800	465WI6A	6DMSC	RDY,4	DMS Control Tape stop	400	4	0	5,730,526:00:0	
855	0	286	03:14:12.800		DMS:	: *READY	RDY, TRACK *4, *REV, TIC *359.32 +/-	400	4	0	5,730,526:00:0	
856	0	286	03:15:06.800	465WJ6A	6DTRN	CMD,6DTRN,465WJ6	DMS TRACK TURNAROUND	400	4	0	5,730,526:81:0	
857	0	286	03:15:06.800		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC *359.32 +/-	400	4	0	5,730,526:81:0	
858	0	286	03:15:06.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC *359.32 +/-	400	4	0	5,730,526:81:0	
859	0	286	03:15:08.200		DMS:	: *US AT_SP	P7, TRACK 1, FWD, TIC *359.44 +/-	400	4	0	5,730,526:83:1	
860	0	286	03:15:13.466		DMS:	: *US RD	P7, TRACK 1, FWD, TIC *360.67 +/-	400	4	0	5,730,527:00:0	
861	0	286	03:15:14.666		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC *360.73 +/-	400	4	0	5,730,527:01:8	
862	0	286	03:15:16.066		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC *360.61 +/-	400	4	0	5,730,527:03:9	
863	0	286	03:26:41.866		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC *199.87 +/-	400	4	0	5,730,538:31:6	
864	0	286	03:26:43.066		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC *199.81 +/-	400	4	0	5,730,538:33:4	
865	0	286	03:26:43.066		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC *199.81 +/-	400	4	0	5,730,538:33:4	
866	0	286	03:26:44.466		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC *199.93 +/-	400	4	0	5,730,538:35:5	
867	0	286	03:26:56.466		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC *202.06 +/-	400	4	0	5,730,538:53:5	
868	0	286	03:26:57.666		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *202.12 +/-	400	4	0	5,730,538:55:3	
869	0	286	03:45:04.133	20SM4A	7SAFE	STOP	S/P NO MOVEMENT	400	4	0	5,730,556:47:0	
870	0	286	03:45:54.133	20SM4B	7SLEW	DIS,POS,0,0	Stator movement	400	4	0	5,730,557:31:0	
871	0	286	03:46:34.133	176SM6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	400	4	0	5,730,558:00:0	
872	0	286	07:15:54.133	488GE6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	400	4	0	5,730,765:03:0	
873	0	286	08:23:23.466	488GE6C	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	400	4	0	5,730,831:71:0	
874	0	286	08:47:56.800	488GE6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	400	4	0	5,730,856:06:0	
875	0	286	13:31:22.133	488GF6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,731,136:34:0	
876	0	286	13:59:41.466	488GF6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,731,164:35:0	
877	0	286	23:06:33.466	488GG6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,731,705:22:0	
878	0	287	00:21:56.800	488GG6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,731,779:73:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
879	0	287	00:48:46.133	488GG6C	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,731,806:30:0	
880	0	287	06:54:34.066	488GH6A	6TMSED	NORM,AL7	Sci. Eng. and D/L Chan	400	4	0	5,732,168:10:0	
881	0	287	07:13:18.066	488GH6B	6TMSED	FILL,AL7	Sci. Eng. and D/L Chan	400	4	0	5,732,186:58:0	
882	0	287	07:37:50.733	488GH6C	6TMSED	NORM,AL7	Sci. Eng. and D/L Chan	400	4	0	5,732,210:83:0	
883	0	287	11:59:56.733	488GH6D	6TMSED	FILL,AL7	Sci. Eng. and D/L Chan	400	4	0	5,732,470:12:0	
884	0	287	12:01:46.066	488GH6E	6TMSED	FILL,AL4	Sci. Eng. and D/L Chan	400	4	0	5,732,471:85:0	
885	0	287	20:14:18.733	488G16A	6TMSED	NORM,AL4	Sci. Eng. and D/L Chan	400	4	0	5,732,959:06:0	
886	0	287	20:25:14.066	488G16B	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,732,969:79:0	
887	0	287	21:20:42.066	488G16C	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,733,024:66:0	
888	0	288	06:56:42.066	488G16A	6TMSED	NORM,AL7	Sci. Eng. and D/L Chan	400	4	0	5,733,594:36:0	
889	0	288	11:45:38.733	488G16B	6TMSED	FILL,AL7	Sci. Eng. and D/L Chan	400	4	0	5,733,880:15:0	
890	0	288	11:46:50.066	488G16C	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,733,881:31:0	
891	0	289	00:46:45.333	488GK6A	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,734,652:63:0	
892	0	289	02:01:45.333	488GK6B	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,734,726:79:0	
893	0	289	02:28:35.333	488GK6C	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,734,753:37:0	
894	0	289	07:07:22.000	488GL6A	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,735,029:11:0	
895	0	289	08:26:18.000	488GL6B	6TMSED	NORM,AL7	Sci. Eng. and D/L Chan	400	4	0	5,735,107:17:0	
896	0	289	08:58:06.666	488GL6C	6TMSED	FILL,AL7	Sci. Eng. and D/L Chan	400	4	0	5,735,138:59:0	
897	0	289	09:22:40.000	488GL6D	6TMSED	NORM,AL7	Sci. Eng. and D/L Chan	400	4	0	5,735,162:85:0	
898	0	289	13:31:22.000	488GM6A	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,735,408:82:0	
899	0	289	15:52:10.000	488GM6B	6TMSED	NORM,AL5	Sci. Eng. and D/L Chan	400	4	0	5,735,548:14:0	
900	0	289	16:13:36.666	488GM6C	6TMSED	FILL,AL5	Sci. Eng. and D/L Chan	400	4	0	5,735,569:33:0	
901	0	289	16:19:54.000	488GM6D	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,735,575:53:0	
902	0	289	22:56:50.000	488GN6A	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,735,968:14:0	
903	0	290	08:06:38.600	488GO6A	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,736,511:84:0	
904	0	290	08:33:27.933	488GO6B	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,736,538:41:0	
905	0	290	14:00:03.933	488GO6C	6TMSED	FILL,AL6	Sci. Eng. and D/L Chan	400	4	0	5,736,861:42:0	
906	0	290	22:46:55.266	488GP6A	6TMSED	NORM,AL6	Sci. Eng. and D/L Chan	400	4	0	5,737,382:48:0	
907	0	290	22:54:28.600	176SZ6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	400	4	0	5,737,390:00:0	
908	0	290	22:59:59.933		DMS:	: READY	RDY, TRACK 1, FWD, TIC 202.12 +/-	400	4	0	5,737,395:42:0	
909	0	290	23:00:00.000	20A3EW	37A	Final Condition	NIMS Power ON	400	4	0	5,737,395:42:1	
910	0	290	23:00:00.000	20A3EX	37HR	Final Condition	Replacement Heaters OFF	400	4	0	5,737,395:42:1	
911	0	290	23:00:00.000	20A3EY	37C1PR	Final Condition	Optics Heater 1 OFF (primary relay)	400	4	0	5,737,395:42:1	
912	0	290	23:00:00.000	20A3EZ	37C2PR	Final Condition	Optics Heater 2 OFF (primary relay)	400	4	0	5,737,395:42:1	
913	0	290	23:00:00.000	20A3FA	37F1PR	Final Condition	Radiator Flash Heater OFF (primary relay)	400	4	0	5,737,395:42:1	
914	0	290	23:00:00.000	20A3FB	37F2PR	Final Condition	Shield Flash Heater OFF (primary relay)	400	4	0	5,737,395:42:1	
915	0	290	23:00:00.000	20A3FD	40HRPR	Final Condition	RCT Heater OFF (primary relay)	400	4	0	5,737,395:42:1	
916	0	290	23:00:00.000	20A3FE	40T1PR	Final Condition	PCT Heater 1 OFF (primary relay)	400	4	0	5,737,395:42:1	
917	0	290	23:00:00.000	20A3FF	40T2R	Final Condition	PCT Heater 2 OFF	400	4	0	5,737,395:42:1	

Sequence:		G28D-AR		Created: 5/1/01		Begin: 00-290/23:00:00		Finish: 00-361/22:30:00				
Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1	0	290	22:59:59.933		DMS:	: READY	RDY, TRACK 1, FWD, TIC 202.12 +/-	400	4	0	5,737,395:42:0	
2	0	290	23:00:00.000	20A3EW	37A	Initial Condition	NIMS Power ON	400	4	0	5,737,395:42:1	
3	0	290	23:00:00.000	20A3EX	37HR	Initial Condition	Replacement Heaters OFF	400	4	0	5,737,395:42:1	
4	0	290	23:00:00.000	20A3EY	37C1PR	Initial Condition	Optics Heater 1 OFF (primary relay)	400	4	0	5,737,395:42:1	
5	0	290	23:00:00.000	20A3EZ	37C2PR	Initial Condition	Optics Heater 2 OFF (primary relay)	400	4	0	5,737,395:42:1	
6	0	290	23:00:00.000	20A3FA	37F1PR	Initial Condition	Radiator Flash Heater OFF (primary relay)	400	4	0	5,737,395:42:1	
7	0	290	23:00:00.000	20A3FB	37F2PR	Initial Condition	Shield Flash Heater OFF (primary relay)	400	4	0	5,737,395:42:1	
8	0	290	23:00:00.000	20A3FD	40HRPR	Initial Condition	PCT Heater OFF (primary relay)	400	4	0	5,737,395:42:1	
9	0	290	23:00:00.000	20A3FE	40T1PR	Initial Condition	PCT Heater 1 OFF (primary relay)	400	4	0	5,737,395:42:1	
10	0	290	23:00:00.000	20A3FF	40T2R	Initial Condition	PCT Heater 2 OFF	400	4	0	5,737,395:42:1	
11	0	290	23:00:57.933	488AA6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,737,396:38:0	
12	0	290	23:01:31.933	432JE6B	6RTDS2	NIMDSL,AACDSL,RT	NIMS R/T DESELECTAACS DESELECT	400	4	0	5,737,396:89:0	
13	0	290	23:02:03.933	20SG4A	7SAFE	STOP	S/P NO MOVEMENT	400	4	0	5,737,397:46:0	
14	0	290	23:02:13.266	488AA6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,737,397:60:0	
15	0	290	23:02:53.933	20SG4B	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5,737,398:30:0	
16	0	290	23:04:35.266	176SA6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	400	4	0	5,737,400:00:0	
17	0	291	00:01:34.600	488AA6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,737,456:33:0	
18	0	291	00:28:23.933	488AA6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,737,482:81:0	
19	0	291	03:46:49.933	488AA6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,737,679:13:0	
20	0	291	04:10:17.933	488AB6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,737,702:32:0	
21	0	291	05:11:33.933	488AB6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,737,762:86:0	
22	0	291	05:38:23.266	488AB6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,737,789:43:0	
23	0	291	06:20:25.933	488AB6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	400	4	0	5,737,831:05:0	
24	0	291	11:40:35.866	488AC6A	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	400	4	0	5,738,147:64:0	
25	0	291	11:42:33.866	488AC6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,738,149:59:0	
26	0	291	20:04:40.533	488AD6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,738,646:22:0	
27	0	291	20:14:33.866	488AD6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,738,656:02:0	
28	0	291	20:44:25.866	488AD6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,738,685:51:0	
29	0	292	06:20:25.866	488AE6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	400	4	0	5,739,255:21:0	
30	0	292	13:33:29.866	488AF6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,739,683:49:0	
31	0	292	13:39:13.200	488AF6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,739,689:18:0	
32	0	292	13:42:01.866	488AF6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,739,691:89:0	
33	0	292	19:59:45.200	488AG6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,740,065:50:0	
34	0	292	20:14:33.866	488AG6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,740,080:18:0	
35	0	292	21:10:01.800	488AG6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,740,135:05:0	
36	0	292	21:39:07.800	488AG6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,740,163:76:0	
37	0	292	21:39:53.800	488AG6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,740,164:54:0	
38	0	292	21:56:29.133	176SD6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	400	4	0	5,740,181:00:0	
39	0	292	22:02:59.800	488AH6A	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	400	4	0	5,740,187:40:0	
40	0	292	22:38:59.800	20SV4I	7MODE	INT	AACS INERTIAL MODE	400	4	0	5,740,223:04:0	
41	0	292	22:53:59.800	20SV4K	7SLEW	INIT,POS,17.45	Stator movement	400	4	0	5,740,237:80:0	
42	0	292	23:05:59.800	20SV4L	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5,740,249:68:0	
43	0	292	23:12:59.800	20SV4M	7SLEW	INIT,NEG,17.45	Stator movement	400	4	0	5,740,256:61:0	
44	0	292	23:24:59.800	20SV4N	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5,740,268:49:0	
45	0	292	23:36:59.800	20SV4AH	7MODE	CRU	AACS CRUISE MODE	400	4	0	5,740,280:37:0	
46	0	292	23:53:03.800	20SX4A	7SAFE	STOP	S/P NO MOVEMENT	400	4	0	5,740,296:27:0	
47	0	292	23:53:53.800	20SX4B	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5,740,297:11:0	
48	0	292	23:55:47.800	176SE6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	400	4	0	5,740,299:00:0	
49	0	293	00:12:59.800	488AH6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,740,316:01:0	
50	0	293	06:05:29.800	488AI6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	400	4	0	5,740,664:58:0	
51	0	293	06:12:46.466	488AI6B	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	400	4	0	5,740,671:76:0	
52	0	293	06:37:19.800	488AI6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	400	4	0	5,740,696:11:0	
53	0	293	13:27:05.800	488AJ6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,741,101:35:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
54	0	293	14:00:19.800	488AJ6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,741,134:23:0	
55	0	293	21:27:10.466	488AK6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,741,576:17:0	
56	0	294	03:38:17.800	488AL6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,741,943:21:0	
57	0	294	04:35:53.800	488AL6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,742,000:18:0	
58	0	294	04:51:18.466	488AL6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,742,015:40:0	
59	0	294	05:18:08.466	488AL6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,742,041:89:0	
60	0	294	11:25:23.733	488AM6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,742,405:18:0	
61	0	294	22:57:16.400	488AN6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,743,089:43:0	
62	0	295	07:47:53.733	488AO6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,743,614:24:0	
63	0	295	08:04:57.733	488AO6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	400	4	0	5,743,631:13:0	
64	0	295	13:22:49.733	488AO6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,743,945:47:0	
65	0	295	15:28:41.733	488AP6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,744,070:00:0	
66	0	295	15:44:06.400	488AP6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,744,085:22:0	
67	0	295	15:50:01.733	488AP6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,744,091:09:0	
68	0	295	21:47:20.333	488AQ6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,744,444:44:0	
69	0	296	07:47:53.666	488AR6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,745,038:40:0	
70	0	296	08:04:57.666	488AR6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,745,055:29:0	
71	0	296	09:11:07.666	488AR6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,745,120:69:0	
72	0	296	09:37:57.000	488AR6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,745,147:26:0	
73	0	296	14:48:09.666	488AS6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,745,454:08:0	
74	0	296	15:42:16.333	488AS6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,745,507:55:0	
75	0	296	15:43:37.666	488AS6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,745,508:86:0	
76	0	296	15:52:09.666	488AS6D	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	400	4	0	5,745,517:35:0	
77	0	297	10:01:33.600	488AT6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	400	4	0	5,746,594:74:0	
78	0	297	12:34:39.600	20ZC6A	6MCOPI	B1A1A,5018,UVS,0	B1A1A,5018,UVS,0118,011FF	400	4	0	5,746,746:21:0	
79	0	297	13:04:59.600	20ZC6B	6MCOPI	B1A1A,5118,UVS,0	B1A1A,5118,UVS,0118,011FF	400	4	0	5,746,776:21:0	
80	0	297	13:18:33.600	488AT6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,746,789:59:0	
81	0	297	14:00:38.933	488AT6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,746,831:25:0	
82	0	297	21:32:28.933	488AU6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,747,278:13:0	
83	0	298	06:28:57.600	488AV6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	400	4	0	5,747,808:66:0	
84	0	298	06:59:48.266	20ZD6A	6MCOPI	B1A1A,5218,UVS,0	B1A1A,5218,UVS,0118,011FF	400	4	0	5,747,839:21:0	
85	0	298	07:30:08.266	20ZD6B	6MCOPI	B1A1A,5318,UVS,0	B1A1A,5318,UVS,0118,011FF	400	4	0	5,747,869:21:0	
86	0	298	07:31:59.600	20ZD6C	6MROH	17,5000,31,B2	read from B1A2B17,5000,31,B	400	4	0	5,747,871:06:0	
87	0	298	13:12:09.533	488AW6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,748,207:45:0	
88	0	298	15:00:43.533	488AW6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,748,314:79:0	
89	0	299	04:57:35.533	488AX6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,749,142:49:0	
90	0	299	06:10:54.866	488AX6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,749,215:05:0	
91	0	299	06:37:44.200	488AX6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,749,241:53:0	
92	0	299	14:33:13.533	488AY6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,749,711:77:0	
93	0	299	15:24:24.200	488AY6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,749,762:42:0	
94	0	299	15:30:49.533	488AY6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,749,768:74:0	
95	0	299	21:12:38.200	488AZ6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,750,106:79:0	
96	0	299	21:56:14.866	176TA6A	6TMREC	TPB	TERMINATE PLAYBACK (PB CONTROL) Record Mo	400	4	0	5,750,150:00:0	
97	0	299	22:02:18.866	465VA6A	6DMST		5000 DMS Slew to TIC	400	4	0	5,750,156:00:0	
98	0	299	22:02:18.866		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 202.12 +/-	400	4	0	5,750,156:00:0	
99	0	299	22:02:18.866		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	400	4	0	5,750,156:00:0	
100	0	299	22:02:18.866		DMS:	: *TURNARND	P7, TRACK 1, FWD, TIC 202.12 +/-	400	4	0	5,750,156:00:0	
101	0	299	22:02:25.533		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 202.12 +/-	400	4	0	5,750,156:10:0	
102	0	299	22:02:26.933		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC *202.24 +/-	400	4	0	5,750,156:12:1	
103	0	299	22:25:51.533	488AZ6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,750,179:26:0	
104	0	299	22:52:41.466	488AZ6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,750,205:75:0	
105	0	300	03:43:27.600		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *4997.94 +/-	400	4	0	5,750,493:36:2	
106	0	300	03:43:28.800		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4998.00 +/-	400	4	0	5,750,493:38:0	
107	0	300	03:56:00.133		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 4998.00 +/-	400	4	0	5,750,505:73:0	
108	0	300	03:56:00.133	465VB6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	400	4	0	5,750,505:73:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
109	0	300	03:56:01.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4998.12 +/-	400	4	0	5,750,505:75:1	
110	0	300	03:56:06.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4999.35 +/-	400	4	0	5,750,505:83:0	
111	0	300	03:56:08.000		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *4999.41 +/-	400	4	0	5,750,505:84:8	
112	0	300	03:56:11.866		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 4993.91 +/-	400	4	0	5,750,505:90:6	
113	0	300	03:56:11.866		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *4993.91 +/-	400	4	0	5,750,505:90:6	
114	0	300	04:21:52.133		DMS:	: * RUNDOWN	P100, TRACK 4, REV, TIC * 255.79 +/-	400	4	0	5,750,531:35:0	
115	0	300	04:21:52.133	465VB6B	6DMSC	RDY,4	DMS Control Tape stop	400	4	0	5,750,531:35:0	
116	0	300	04:21:53.333		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 254.99 +/-	400	4	0	5,750,531:36:8	
117	0	300	05:00:50.800	488BA6A	6TIMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,750,569:85:0	
118	0	300	05:05:45.466	488BA6B	6TIMSED	FILL,AL7	Sci, Eng, and D/L Chan	400	4	0	5,750,574:72:0	
119	0	300	06:11:46.800	488BA6C	6TIMSED	NORM,AL7	Sci, Eng, and D/L Chan	400	4	0	5,750,640:08:0	
120	0	300	06:12:13.466	488BA6D	6TIMSED	FILL,AL7	Sci, Eng, and D/L Chan	400	4	0	5,750,640:48:0	
121	0	300	06:21:41.466	465VC6A	6DTRN	CMD,6DTRN,465VC6	DMS TRACK TURNAROUND	400	4	0	5,750,649:81:0	
122	0	300	06:21:41.466		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 254.99 +/-	400	4	0	5,750,649:81:0	
123	0	300	06:21:41.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 254.99 +/-	400	4	0	5,750,649:81:0	
124	0	300	06:21:42.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 255.11 +/-	400	4	0	5,750,649:83:1	
125	0	300	06:21:48.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 256.34 +/-	400	4	0	5,750,650:00:0	
126	0	300	06:21:49.333		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 256.40 +/-	400	4	0	5,750,650:01:8	
127	0	300	06:21:50.733		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 256.28 +/-	400	4	0	5,750,650:03:9	
128	0	300	06:25:09.466	488BA6E	6TIMSED	FILL,AH7	Sci, Eng, and D/L Chan	400	4	0	5,750,653:29:0	
129	0	300	06:25:51.400		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	400	4	0	5,750,654:00:9	
130	0	300	06:25:52.600		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	400	4	0	5,750,654:02:7	
131	0	300	06:25:52.600		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	400	4	0	5,750,654:02:7	
132	0	300	06:25:54.000		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	400	4	0	5,750,654:04:8	
133	0	300	06:26:06.000		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	400	4	0	5,750,654:22:8	
134	0	300	06:26:07.200		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	400	4	0	5,750,654:24:6	
135	0	300	06:31:44.133		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	400	4	0	5,750,659:75:0	
136	0	300	06:31:44.133	465VD6A	6DMSC	P100,1	DMS Control Tape P/B 100.8kbps	400	4	0	5,750,659:75:0	
137	0	300	06:31:50.800		DMS:	: *RUNUP	P100, TRACK 1, FWD, TIC 202.12 +/-	400	4	0	5,750,659:85:0	
138	0	300	06:31:54.666		DMS:	: *P_SLEW	P100, TRACK 1, FWD, TIC * 207.62 +/-	400	4	0	5,750,659:90:8	
139	0	300	06:31:54.666		DMS:	: *AT_SPD	P100, TRACK 1, FWD, TIC 207.62 +/-	400	4	0	5,750,659:90:8	
140	0	300	06:36:46.800	488BB6A	6TIMSED	NORM,AH7	Sci, Eng, and D/L Chan	400	4	0	5,750,664:74:0	
141	0	300	07:03:38.133	465VD6B	6DMSC	RDY,1	DMS Control Tape stop	400	4	0	5,750,691:34:0	
142	0	300	07:03:38.133		DMS:	: * RUNDOWN	P100, TRACK 1, FWD, TIC *6063.01 +/-	400	4	0	5,750,691:34:0	
143	0	300	07:03:39.333		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *6063.81 +/-	400	4	0	5,750,691:35:8	
144	0	300	07:19:14.133	465VE6A	6DMSC	P100,2	DMS Control Tape P/B 100.8kbps	400	4	0	5,750,706:73:0	
145	0	300	07:19:14.133		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 6063.81 +/-	400	4	0	5,750,706:73:0	
146	0	300	07:19:15.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.93 +/-	400	4	0	5,750,706:75:1	
147	0	300	07:19:20.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6065.17 +/-	400	4	0	5,750,706:83:0	
148	0	300	07:19:22.000		DMS:	: *RUNUP	P100, TRACK *2, *REV, TIC *6065.23 +/-	400	4	0	5,750,706:84:8	
149	0	300	07:19:25.866		DMS:	: *P_SLEW	P100, TRACK 2, REV, TIC *6059.73 +/-	400	4	0	5,750,706:90:6	
150	0	300	07:19:25.866		DMS:	: *AT_SPD	P100, TRACK 2, REV, TIC 6059.73 +/-	400	4	0	5,750,706:90:6	
151	0	300	07:51:22.133	465VF6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	400	4	0	5,750,738:53:0	
152	0	300	07:51:22.133		DMS:	: * RUNDOWN	P100, TRACK 2, REV, TIC * 164.96 +/-	400	4	0	5,750,738:53:0	
153	0	300	07:51:23.333		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 164.16 +/-	400	4	0	5,750,738:54:8	
154	0	300	07:51:27.200		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 169.66 +/-	400	4	0	5,750,738:60:6	
155	0	300	07:51:27.200		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 169.66 +/-	400	4	0	5,750,738:60:6	
156	0	300	08:23:22.800	465VF6B	6DMSC	RDY,3	DMS Control Tape stop	400	4	0	5,750,770:22:0	
157	0	300	08:23:22.800		DMS:	: * RUNDOWN	P100, TRACK 3, FWD, TIC *6062.38 +/-	400	4	0	5,750,770:22:0	
158	0	300	08:23:24.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *6063.18 +/-	400	4	0	5,750,770:23:8	
159	0	300	08:38:06.133	465VG6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	400	4	0	5,750,784:73:0	
160	0	300	08:38:06.133		DMS:	: *US-RUNUP	P7, TRACK *1, FWD, TIC 6063.18 +/-	400	4	0	5,750,784:73:0	
161	0	300	08:38:07.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.30 +/-	400	4	0	5,750,784:75:1	
162	0	300	08:38:12.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6064.53 +/-	400	4	0	5,750,784:83:0	
163	0	300	08:38:14.000		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *6064.59 +/-	400	4	0	5,750,784:84:8	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
164	0	300	08:38:17.866		DMS:	: *AT SPD	P100, TRACK 4, REV, TIC 6059.09 +/-	400	4	0	5,750,784:90:6	
165	0	300	08:38:17.866		DMS:	: *P SLEW	P100, TRACK 4, REV, TIC *6059.09 +/-	400	4	0	5,750,784:90:6	
166	0	300	09:10:13.466	465VH6A	6DMSC	P100.3	DMS Control Tape P/B 100.8kbps	400	4	0	5,750,816:52:0	
167	0	300	09:10:13.466		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 166.38 +/-	400	4	0	5,750,816:52:0	
168	0	300	09:10:14.666		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 165.58 +/-	400	4	0	5,750,816:53:8	
169	0	300	09:10:18.533		DMS:	: *P SLEW	P100, TRACK 3, FWD, TIC * 171.08 +/-	400	4	0	5,750,816:59:6	
170	0	300	09:10:18.533		DMS:	: *AT SPD	P100, TRACK 3, FWD, TIC 171.08 +/-	400	4	0	5,750,816:59:6	
171	0	300	09:11:19.466		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC * 358.52 +/-	400	4	0	5,750,817:60:0	
172	0	300	09:11:19.466	465VH6B	6DMSC	RDY, 3	DMS Control Tape stop	400	4	0	5,750,817:60:0	
173	0	300	09:11:20.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 359.32 +/-	400	4	0	5,750,817:61:8	
174	0	300	09:11:59.466	488BB6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	400	4	0	5,750,818:29:0	
175	0	300	09:25:49.466		DMS:	: *READY	RDY, TRACK *4, *REV, TIC 359.32 +/-	400	4	0	5,750,832:00:0	
176	0	300	09:25:49.466	465VI6A	6DMSC	RDY, 4	DMS Control Tape stop	400	4	0	5,750,832:00:0	
177	0	300	09:26:43.466	465VJ6A	6DTRN	CMD,6DTRN,465VJ6	DMS TRACK TURNAROUND	400	4	0	5,750,832:81:0	
178	0	300	09:26:43.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 359.32 +/-	400	4	0	5,750,832:81:0	
179	0	300	09:26:43.466		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 359.32 +/-	400	4	0	5,750,832:81:0	
180	0	300	09:26:44.866		DMS:	: *US AT SP	P7, TRACK 1, FWD, TIC * 359.44 +/-	400	4	0	5,750,832:83:1	
181	0	300	09:26:50.133		DMS:	: *US RD	P7, TRACK 1, FWD, TIC * 360.67 +/-	400	4	0	5,750,833:00:0	
182	0	300	09:26:51.333		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 360.73 +/-	400	4	0	5,750,833:01:8	
183	0	300	09:26:52.733		DMS:	: *AT SPD	P7, TRACK 4, REV, TIC * 360.61 +/-	400	4	0	5,750,833:03:9	
184	0	300	09:38:18.533		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	400	4	0	5,750,844:31:6	
185	0	300	09:38:19.733		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	400	4	0	5,750,844:33:4	
186	0	300	09:38:19.733		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	400	4	0	5,750,844:33:4	
187	0	300	09:38:21.133		DMS:	: *AT SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	400	4	0	5,750,844:35:5	
188	0	300	09:38:33.133		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	400	4	0	5,750,844:53:5	
189	0	300	09:38:34.333		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	400	4	0	5,750,844:55:3	
190	0	300	09:55:12.800	20PB6A	6HICON			400	4	0	5,750,861:06:0	
191	0	300	10:00:10.800	432JF6B	6RTDS2	NIMDSL,AACNCG,RT	NIMS R/T DESELECT	400	4	0	5,750,865:89:0	
192	0	300	10:00:11.466	432JF431A6A	6RCDSL	DDSDSL,PLSDSL,EP	Record Deselect (DDS o	400	4	0	5,750,865:90:0	
193	0	300	10:00:12.133	432JF6D	6RTSL2	NIMNCG,AACSEL,RT	AACS SELECT	400	4	0	5,750,866:00:0	
194	0	300	10:00:12.133	432JF6C	6RTSL1		R/T Select of DDS and	400	4	0	5,750,866:00:0	
195	0	300	13:03:37.466	488BC6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,751,047:37:0	
196	0	300	13:59:50.133		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 202.12 +/-	400	4	0	5,751,103:00:0	
197	0	300	13:59:50.133		DMS:	: *TURNARND	P7, TRACK 1, FWD, TIC 202.12 +/-	400	4	0	5,751,103:00:0	
198	0	300	13:59:50.133		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	400	4	0	5,751,103:00:0	
199	0	300	13:59:50.133	465JA6A	6DMST		225 DMS Slew to TIC	400	4	0	5,751,103:00:0	
200	0	300	13:59:56.800		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 202.12 +/-	400	4	0	5,751,103:10:0	
201	0	300	13:59:58.200		DMS:	: *AT SPD	P7, TRACK 1, FWD, TIC * 202.24 +/-	400	4	0	5,751,103:12:1	
202	0	300	14:00:51.466	488BC6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,751,104:01:0	
203	0	300	14:01:25.600		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC * 222.94 +/-	400	4	0	5,751,104:52:2	
204	0	300	14:01:26.800		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 223.00 +/-	400	4	0	5,751,104:54:0	
205	0	300	15:42:49.466	175ZQ422A6A	6DMSC	RT,1	DMS Control Tape runup 7.68kbp	400	4	0	5,751,204:78:0	
206	0	300	15:42:49.466		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 223.00 +/-	400	4	0	5,751,204:78:0	
207	0	300	15:42:56.133		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 223.00 +/-	400	4	0	5,751,204:88:0	
208	0	300	15:42:57.466	175ZQ176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCIPWS RECORD Record	400	4	0	5,751,204:90:0	
209	0	300	15:42:57.533		DMS:	: *AT SPD	R7, TRACK 1, FWD, TIC 223.12 +/-	400	4	0	5,751,204:90:1	
210	0	300	15:42:57.533		DMS:	: *RECORD	R7, TRACK 1, FWD, TIC * 223.12 +/-	400	4	0	5,751,204:90:1	
211	0	300	15:57:07.466		DMS:	: *RUNDOWN	R7, TRACK 1, FWD, TIC * 422.32 +/-	400	4	0	5,751,219:00:0	
212	0	300	15:57:07.466	175ZQ422A6B	6DMSC	RDY, 0	DMS Control Tape stop	400	4	0	5,751,219:00:0	
213	0	300	15:57:08.666		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 422.38 +/-	400	4	0	5,751,219:01:8	
214	0	300	20:53:22.800		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 422.38 +/-	400	4	0	5,751,512:00:0	
215	0	300	20:53:22.800	411JA6A	6DMSC	RT,0	DMS Control Tape runup 7.68kps	400	4	0	5,751,512:00:0	
216	0	300	20:53:29.466		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 422.38 +/-	400	4	0	5,751,512:10:0	
217	0	300	20:53:30.866		DMS:	: *AT SPD	R7, TRACK 1, FWD, TIC 422.50 +/-	400	4	0	5,751,512:12:1	
218	0	300	20:53:30.866		DMS:	: *RECORD	R7, TRACK 1, FWD, TIC * 422.50 +/-	400	4	0	5,751,512:12:1	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
219	0	300	20:53:32.800	411JA6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,751,512:15:0	
220	0	300	20:55:34.133	411JA6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,751,514:15:0	
221	0	300	20:55:34.800	411JA6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,751,514:16:0	
222	0	300	20:55:34.800		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC * 451.55 +/-	400	4	0	5,751,514:16:0	
223	0	300	20:55:36.000		DMS:	:*READY	RDY, TRACK 1, FWD, TIC * 451.61 +/-	400	4	0	5,751,514:17:8	
224	0	300	22:42:43.466	488BD6A	6TMSED	NORM,AL6	Sci, Eng. and D/L Chan	400	4	0	5,751,620:13:0	
225	0	300	23:55:47.466	488BD6B	6TMSED	FILL,AL6	Sci, Eng. and D/L Chan	400	4	0	5,751,692:37:0	
226	0	301	00:22:37.466	488BD6C	6TMSED	NORM,AL6	Sci, Eng. and D/L Chan	400	4	0	5,751,718:86:0	
227	0	301	06:28:57.466	488BE6A	6TMSED	NORM,AL5	Sci, Eng. and D/L Chan	400	4	0	5,752,081:23:0	
228	0	301	07:22:17.466	488BE6B	6TMSED	NORM,AL6	Sci, Eng. and D/L Chan	400	4	0	5,752,134:00:0	
229	0	301	08:05:45.466	488BE6C	6TMSED	FILL,AL6	Sci, Eng. and D/L Chan	400	4	0	5,752,176:90:0	
230	0	301	08:32:35.466	488BE6D	6TMSED	NORM,AL6	Sci, Eng. and D/L Chan	400	4	0	5,752,203:48:0	
231	0	301	08:35:45.400	488BE6E	6TMSED	FILL,AL6	Sci, Eng. and D/L Chan	400	4	0	5,752,206:60:0	
232	0	301	09:02:35.400	488BF6A	6TMSED	NORM,AL6	Sci, Eng. and D/L Chan	400	4	0	5,752,233:18:0	
233	0	301	14:00:55.400	488BF6B	6TMSED	FILL,AL6	Sci, Eng. and D/L Chan	400	4	0	5,752,528:23:0	
234	0	301	16:53:34.066		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 451.61 +/-	400	4	0	5,752,699:00:0	
235	0	301	16:53:34.066	411JB6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,752,699:00:0	
236	0	301	16:53:40.733		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 451.61 +/-	400	4	0	5,752,699:10:0	
237	0	301	16:53:42.133		DMS:	:*AT_SPD	R7, TRACK 1, FWD, TIC 451.73 +/-	400	4	0	5,752,699:12:1	
238	0	301	16:53:42.133		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC * 451.73 +/-	400	4	0	5,752,699:12:1	
239	0	301	16:53:44.066	411JB6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,752,699:15:0	
240	0	301	16:55:45.400	411JB6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,752,701:15:0	
241	0	301	16:55:46.066	411JB6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,752,701:16:0	
242	0	301	16:55:46.066		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC * 480.78 +/-	400	4	0	5,752,701:16:0	
243	0	301	16:55:47.266		DMS:	:*READY	RDY, TRACK 1, FWD, TIC * 480.84 +/-	400	4	0	5,752,701:17:8	
244	0	301	21:17:47.400	488BG6A	6TMSED	NORM,AL6	Sci, Eng. and D/L Chan	400	4	0	5,752,960:29:0	
245	0	301	22:30:43.400	488BG6B	6TMSED	FILL,AL6	Sci, Eng. and D/L Chan	400	4	0	5,753,032:41:0	
246	0	301	22:53:00.066	488BG6C	6TMSED	FILL,AH6	Sci, Eng. and D/L Chan	400	4	0	5,753,054:44:0	
247	0	301	22:57:33.400	488BG6D	6TMSED	NORM,AH6	Sci, Eng. and D/L Chan	400	4	0	5,753,058:90:0	
248	0	302	00:54:00.066	20CA4AA	7STAT	10,00:332:8857.1	Stator inertial point	400	4	0	5,753,174:14:0	
249	0	302	00:54:12.066	20CA6AA	6MROH	7,6744,0,A10	read from AACSA7,6744,0,A10	400	4	0	5,753,174:32:0	
250	0	302	01:00:00.066	474CA416A4B	7MODE	INT	AACS INERTIAL MODE	400	4	0	5,753,180:08:0	
251	0	302	01:02:00.066	474CA416A4D	7SAFE	UNSTOW	S/P TO 153 deg cone	400	4	0	5,753,182:06:0	
252	0	302	01:02:20.066	20CA4AD	7STAT	17,45,332:8857,1	Stator inertial point	400	4	0	5,753,182:36:0	
253	0	302	01:06:14.066	474CA416A4E	7BURN	332,885696,11.5	ALERT -- Thruster fire	400	4	0	5,753,186:23:0	
254	0	302	01:14:48.733	20CA4AM	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5,753,194:67:0	
255	0	302	01:19:40.733	20CA4AN	7MODE	CRU	AACS CRUISE MODE	400	4	0	5,753,199:50:0	
256	0	302	04:01:00.066	488BH6A	6TMSED	NORM,AL6	Sci, Eng. and D/L Chan	400	4	0	5,753,359:09:0	
257	0	302	04:09:59.400	432PD431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	400	4	0	5,753,367:90:0	
258	0	302	04:10:00.066	432PD6A	6RTSL1		R/T Select of DDS and	400	4	0	5,753,368:00:0	
259	0	302	07:25:41.400	488BH6B	6TMSED	FILL,AL6	Sci, Eng. and D/L Chan	400	4	0	5,753,561:49:0	
260	0	302	07:57:31.400	488BH6C	6TMSED	NORM,AL6	Sci, Eng. and D/L Chan	400	4	0	5,753,593:02:0	
261	0	302	08:32:00.066	20UQ4B	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5,753,627:11:0	
262	0	302	08:33:00.066	20UQ4D	7MODE	SPNL	AACS ALL-SPIN LOW	400	4	0	5,753,628:10:0	
263	0	302	08:35:00.066	20UQ4E	7SAFE	UNSTOW	S/P TO 153 deg cone	400	4	0	5,753,630:08:0	
264	0	302	08:40:30.066	20UQ4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	400	4	0	5,753,635:48:0	
265	0	302	08:40:30.733	20UQ4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	400	4	0	5,753,635:49:0	
266	0	302	08:40:50.733	20UQ4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	400	4	0	5,753,635:79:0	
267	0	302	08:40:51.400	20UQ4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	400	4	0	5,753,635:80:0	
268	0	302	08:41:11.400	20UQ4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	400	4	0	5,753,636:19:0	
269	0	302	08:41:12.066	20UQ4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	400	4	0	5,753,636:20:0	
270	0	302	08:41:22.066	20UQ4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	400	4	0	5,753,636:35:0	
271	0	302	08:41:22.733	20UQ4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	400	4	0	5,753,636:36:0	
272	0	302	08:41:32.733	20UQ4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	400	4	0	5,753,636:51:0	
273	0	302	08:41:33.400	20UQ4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	400	4	0	5,753,636:52:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
274	0	302	08:43:20.066	20UQ4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	400	4	0	5,753,638:30:0	
275	0	302	08:43:20.733	20UQ4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	400	4	0	5,753,638:31:0	
276	0	302	08:43:40.733	20UQ4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	400	4	0	5,753,638:61:0	
277	0	302	08:43:41.400	20UQ4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	400	4	0	5,753,638:62:0	
278	0	302	08:44:01.400	20UQ4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	400	4	0	5,753,639:01:0	
279	0	302	08:44:02.066	20UQ4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	400	4	0	5,753,639:02:0	
280	0	302	08:44:12.066	20UQ4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	400	4	0	5,753,639:17:0	
281	0	302	08:44:12.733	20UQ4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	400	4	0	5,753,639:18:0	
282	0	302	08:44:22.733	20UQ4AW	7VENT	1.211,1.333,9	ALERT -- Thruster fire	400	4	0	5,753,639:33:0	
283	0	302	08:44:23.400	20UQ4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	400	4	0	5,753,639:34:0	
284	0	302	08:45:20.066	20UQ4Z	7MODE	CRU	AACS CRUISE MODE	400	4	0	5,753,640:28:0	
285	0	302	09:04:59.400	432PP431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	400	4	0	5,753,659:68:0	
286	0	302	09:05:00.066	432PP6A	6RTSL1		R/T Select of DDS and	400	4	0	5,753,659:69:0	
287	0	302	10:55:59.400	488BI6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,753,769:48:0	
288	0	302	17:47:59.400	411JC6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,754,177:00:0	
289	0	302	17:47:59.400		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 480.84 +/-	400	4	0	5,754,177:00:0	
290	0	302	17:48:06.066		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 480.84 +/-	400	4	0	5,754,177:10:0	
291	0	302	17:48:07.466		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC * 480.96 +/-	400	4	0	5,754,177:12:1	
292	0	302	17:48:07.466		DMS:	:*AT_SPD	R7, TRACK 1, FWD, TIC 480.96 +/-	400	4	0	5,754,177:12:1	
293	0	302	17:48:09.400	411JC6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,754,177:15:0	
294	0	302	17:50:10.733	411JC6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,754,179:15:0	
295	0	302	17:50:11.400	411JC6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,754,179:16:0	
296	0	302	17:50:11.400		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC * 510.00 +/-	400	4	0	5,754,179:16:0	
297	0	302	17:50:12.600		DMS:	:*READY	RDY, TRACK 1, FWD, TIC * 510.06 +/-	400	4	0	5,754,179:17:8	
298	0	303	00:41:32.000		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 510.06 +/-	400	4	0	5,754,586:00:0	
299	0	303	00:41:32.000	411JD6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,754,586:00:0	
300	0	303	00:41:38.666		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 510.06 +/-	400	4	0	5,754,586:10:0	
301	0	303	00:41:40.066		DMS:	:*AT_SPD	R7, TRACK 1, FWD, TIC 510.18 +/-	400	4	0	5,754,586:12:1	
302	0	303	00:41:40.066		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC * 510.18 +/-	400	4	0	5,754,586:12:1	
303	0	303	00:41:42.000	411JD6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,754,586:15:0	
304	0	303	00:43:43.333	411JD6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,754,588:15:0	
305	0	303	00:43:44.000		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC * 539.23 +/-	400	4	0	5,754,588:16:0	
306	0	303	00:43:44.000	411JD6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,754,588:16:0	
307	0	303	00:43:45.200		DMS:	:*READY	RDY, TRACK 1, FWD, TIC * 539.29 +/-	400	4	0	5,754,588:17:8	
308	0	303	07:34:04.000	411JE6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,754,994:00:0	
309	0	303	07:34:04.000		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 539.29 +/-	400	4	0	5,754,994:00:0	
310	0	303	07:34:10.666		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 539.29 +/-	400	4	0	5,754,994:10:0	
311	0	303	07:34:12.066		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC * 539.41 +/-	400	4	0	5,754,994:12:1	
312	0	303	07:34:12.066		DMS:	:*AT_SPD	R7, TRACK 1, FWD, TIC 539.41 +/-	400	4	0	5,754,994:12:1	
313	0	303	07:34:14.000	411JE6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,754,994:15:0	
314	0	303	07:36:15.333	411JE6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,754,996:15:0	
315	0	303	07:36:16.000	411JE6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,754,996:16:0	
316	0	303	07:36:16.000		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC * 568.46 +/-	400	4	0	5,754,996:16:0	
317	0	303	07:36:17.200		DMS:	:*READY	RDY, TRACK 1, FWD, TIC * 568.52 +/-	400	4	0	5,754,996:17:8	
318	0	303	14:27:36.666	411JF6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,755,403:00:0	
319	0	303	14:27:36.666		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 568.52 +/-	400	4	0	5,755,403:00:0	
320	0	303	14:27:43.333		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 568.52 +/-	400	4	0	5,755,403:10:0	
321	0	303	14:27:44.733		DMS:	:*AT_SPD	R7, TRACK 1, FWD, TIC 568.64 +/-	400	4	0	5,755,403:12:1	
322	0	303	14:27:44.733		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC * 568.64 +/-	400	4	0	5,755,403:12:1	
323	0	303	14:27:46.666	411JF6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,755,403:15:0	
324	0	303	14:29:48.000	411JF6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,755,405:15:0	
325	0	303	14:29:48.666	411JF6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,755,405:16:0	
326	0	303	14:29:48.666		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC * 597.68 +/-	400	4	0	5,755,405:16:0	
327	0	303	14:29:49.866		DMS:	:*READY	RDY, TRACK 1, FWD, TIC * 597.74 +/-	400	4	0	5,755,405:17:8	
328	0	303	17:20:30.666	411JG6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,755,574:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
329	0	303	17:20:30.666		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 597.74 +/-	400	4	0	5,755,574:00:0	
330	0	303	17:20:37.333		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 597.74 +/-	400	4	0	5,755,574:10:0	
331	0	303	17:20:38.733		DMS:	:*AT SPD	R7, TRACK 1, FWD, TIC 597.86 +/-	400	4	0	5,755,574:12:1	
332	0	303	17:20:38.733		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC * 597.86 +/-	400	4	0	5,755,574:12:1	
333	0	303	17:20:40.666	411JG6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,755,574:15:0	
334	0	303	17:22:42.000	411JG6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,755,576:15:0	
335	0	303	17:22:42.666	411JG6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,755,576:16:0	
336	0	303	17:22:42.666		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC * 626.91 +/-	400	4	0	5,755,576:16:0	
337	0	303	17:22:43.866		DMS:	:*READY	RDY, TRACK 1, FWD, TIC * 626.97 +/-	400	4	0	5,755,576:17:8	
338	0	303	22:22:55.333	488BJ6A	6TMSED	NORM,AL6	Sci, Eng. and D/L Chan	400	4	0	5,755,873:08:0	
339	0	304	06:33:13.266	488BK6A	6TMSED	NORM,AL7	Sci, Eng. and D/L Chan	400	4	0	5,756,358:00:0	
340	0	304	12:48:41.266	488BL6A	6TMSED	NORM,AL6	Sci, Eng. and D/L Chan	400	4	0	5,756,729:31:0	
341	0	304	14:48:09.266	488BL6B	6TMSED	NORM,AL5	Sci, Eng. and D/L Chan	400	4	0	5,756,847:45:0	
342	0	304	14:59:44.600	488BL6C	6TMSED	FILL,AL5	Sci, Eng. and D/L Chan	400	4	0	5,756,858:87:0	
343	0	304	15:07:21.266	488BL6D	6TMSED	FILL,AL6	Sci, Eng. and D/L Chan	400	4	0	5,756,866:44:0	
344	0	304	17:52:41.266		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 626.97 +/-	400	4	0	5,757,030:00:0	
345	0	304	17:52:41.266	411JH6A	6DMSC	RDY,0	DMS Control Tape runup 7.68kps	400	4	0	5,757,030:00:0	
346	0	304	17:52:47.933		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 626.97 +/-	400	4	0	5,757,030:10:0	
347	0	304	17:52:49.333		DMS:	:*AT SPD	R7, TRACK 1, FWD, TIC 627.09 +/-	400	4	0	5,757,030:12:1	
348	0	304	17:52:49.333		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC * 627.09 +/-	400	4	0	5,757,030:12:1	
349	0	304	17:52:51.266	411JH6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,757,030:15:0	
350	0	304	17:54:52.600	411JH6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,757,032:15:0	
351	0	304	17:54:53.266		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC * 656.14 +/-	400	4	0	5,757,032:16:0	
352	0	304	17:54:53.266	411JH6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,757,032:16:0	
353	0	304	17:54:54.466		DMS:	:*READY	RDY, TRACK 1, FWD, TIC * 656.20 +/-	400	4	0	5,757,032:17:8	
354	0	304	22:22:57.933	488BM6A	6TMSED	NORM,AL6	Sci, Eng. and D/L Chan	400	4	0	5,757,297:28:0	
355	0	305	07:07:21.266	488BN6A	6TMSED	NORM,AL5	Sci, Eng. and D/L Chan	400	4	0	5,757,815:85:0	
356	0	305	07:13:45.266	488BN6B	6TMSED	NORM,AL6	Sci, Eng. and D/L Chan	400	4	0	5,757,822:24:0	
357	0	305	08:25:30.600	488BN6C	6TMSED	FILL,AL6	Sci, Eng. and D/L Chan	400	4	0	5,757,893:21:0	
358	0	305	08:52:19.933	488BN6D	6TMSED	NORM,AL6	Sci, Eng. and D/L Chan	400	4	0	5,757,919:69:0	
359	0	305	14:07:37.266	488BO6A	6TMSED	NORM,AL5	Sci, Eng. and D/L Chan	400	4	0	5,758,231:53:0	
360	0	305	14:59:48.533	488BO6B	6TMSED	FILL,AL5	Sci, Eng. and D/L Chan	400	4	0	5,758,283:18:0	
361	0	305	15:07:21.200	488BO6C	6TMSED	FILL,AL6	Sci, Eng. and D/L Chan	400	4	0	5,758,290:60:0	
362	0	305	20:58:02.533	488BP6A	6TMSED	NORM,AL6	Sci, Eng. and D/L Chan	400	4	0	5,758,637:45:0	
363	0	306	06:58:49.200	488BQ6A	6TMSED	NORM,AL7	Sci, Eng. and D/L Chan	400	4	0	5,759,231:61:0	
364	0	306	12:38:01.200	488BQ6B	6TMSED	NORM,AL6	Sci, Eng. and D/L Chan	400	4	0	5,759,567:13:0	
365	0	306	13:35:05.200	488BR6A	6TMSED	FILL,AL6	Sci, Eng. and D/L Chan	400	4	0	5,759,623:53:0	
366	0	306	13:37:45.200	488BR6B	6TMSED	FILL,AL4	Sci, Eng. and D/L Chan	400	4	0	5,759,626:20:0	
367	0	306	19:00:45.200	488BR6C	6TMSED	NORM,AL4	Sci, Eng. and D/L Chan	400	4	0	5,759,945:61:0	
368	0	306	19:10:33.200	488BR6D	6TMSED	NORM,AL5	Sci, Eng. and D/L Chan	400	4	0	5,759,955:33:0	
369	0	306	19:40:25.200	488BS6A	6TMSED	NORM,AL6	Sci, Eng. and D/L Chan	400	4	0	5,759,984:82:0	
370	0	307	06:01:16.466	488BT6A	6TMSED	FILL,AL6	Sci, Eng. and D/L Chan	400	4	0	5,760,598:85:0	
371	0	307	06:05:29.133	488BT6B	6TMSED	FILL,AL7	Sci, Eng. and D/L Chan	400	4	0	5,760,603:09:0	
372	0	307	06:12:13.133	488BT6C	6TMSED	NORM,AL7	Sci, Eng. and D/L Chan	400	4	0	5,760,609:69:0	
373	0	307	12:33:45.133	488BU6A	6TMSED	NORM,AL6	Sci, Eng. and D/L Chan	400	4	0	5,760,987:09:0	
374	0	307	13:26:18.466	488BU6B	6TMSED	FILL,AL6	Sci, Eng. and D/L Chan	400	4	0	5,761,039:07:0	
375	0	307	16:19:07.800	411J16A	6DMSC	RDY,0	DMS Control Tape runup 7.68kps	400	4	0	5,761,210:00:0	
376	0	307	16:19:07.800		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 656.20 +/-	400	4	0	5,761,210:00:0	
377	0	307	16:19:14.466		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 656.20 +/-	400	4	0	5,761,210:10:0	
378	0	307	16:19:15.866		DMS:	:*AT SPD	R7, TRACK 1, FWD, TIC 656.32 +/-	400	4	0	5,761,210:12:1	
379	0	307	16:19:15.866		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC * 656.32 +/-	400	4	0	5,761,210:12:1	
380	0	307	16:19:17.800	411J16B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,761,210:15:0	
381	0	307	16:21:19.133	411J16C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,761,212:15:0	
382	0	307	16:21:19.800		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC * 685.36 +/-	400	4	0	5,761,212:16:0	
383	0	307	16:21:19.800	411J16D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,761,212:16:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GC	GO	GS	RIM	MF I
384	0	307	16:21:21.000		DMS:	:*READY	RDY, TRACK 1, FWD, TIC * 685.42 +/-	400	4	0	5,761,212:17:8	
385	0	307	21:58:09.133	488BV6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,761,545:27:0	
386	0	307	23:10:21.800	488BV6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,761,616:65:0	
387	0	307	23:37:11.133	488BV6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,761,643:22:0	
388	0	308	05:54:49.133	488BW6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,762,016:66:0	
389	0	308	06:43:53.133	488BW6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	400	4	0	5,762,065:23:0	
390	0	308	07:36:43.800	488BW6C	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	400	4	0	5,762,117:47:0	
391	0	308	08:01:17.133	488BW6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	400	4	0	5,762,141:73:0	
392	0	308	12:23:05.066	488BX6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,762,400:66:0	
393	0	308	13:01:21.733	488BX6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,762,438:53:0	
394	0	308	19:54:19.066		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 685.42 +/-	400	4	0	5,762,847:00:0	
395	0	308	19:54:19.066	411JJ6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,762,847:00:0	
396	0	308	19:54:25.733		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 685.42 +/-	400	4	0	5,762,847:10:0	
397	0	308	19:54:27.133		DMS:	:*AT_SPD	R7, TRACK 1, FWD, TIC 685.54 +/-	400	4	0	5,762,847:12:1	
398	0	308	19:54:27.133		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC * 685.54 +/-	400	4	0	5,762,847:12:1	
399	0	308	19:54:29.066	411JJ6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,762,847:15:0	
400	0	308	19:56:30.400	411JJ6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,762,849:15:0	
401	0	308	19:56:31.066		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC * 714.59 +/-	400	4	0	5,762,849:16:0	
402	0	308	19:56:31.066	411JJ6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,762,849:16:0	
403	0	308	19:56:32.266		DMS:	:*READY	RDY, TRACK 1, FWD, TIC * 714.65 +/-	400	4	0	5,762,849:17:8	
404	0	308	21:58:12.400	488BY6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,762,969:48:0	
405	0	309	05:05:45.066	488BZ6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	400	4	0	5,763,392:34:0	
406	0	309	12:18:49.066	488CA6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,763,820:62:0	
407	0	309	12:31:24.400	488CA6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,763,833:12:0	
408	0	309	15:24:10.400		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 714.65 +/-	400	4	0	5,764,004:00:0	
409	0	309	15:24:10.400	411JK6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,764,004:00:0	
410	0	309	15:24:17.066		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 714.65 +/-	400	4	0	5,764,004:10:0	
411	0	309	15:24:18.466		DMS:	:*AT_SPD	R7, TRACK 1, FWD, TIC 714.77 +/-	400	4	0	5,764,004:12:1	
412	0	309	15:24:18.466		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC * 714.77 +/-	400	4	0	5,764,004:12:1	
413	0	309	15:24:20.400	411JK6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,764,004:15:0	
414	0	309	15:26:21.733	411JK6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,764,006:15:0	
415	0	309	15:26:22.400	411JK6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,764,006:16:0	
416	0	309	15:26:22.400		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC * 743.82 +/-	400	4	0	5,764,006:16:0	
417	0	309	15:26:23.600		DMS:	:*READY	RDY, TRACK 1, FWD, TIC * 743.88 +/-	400	4	0	5,764,006:17:8	
418	0	309	20:48:15.066	488CB6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,764,324:47:0	
419	0	309	22:00:15.666	488CB6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,764,395:67:0	
420	0	309	22:27:05.000	488CB6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,764,422:24:0	
421	0	310	05:44:09.000	488CC6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,764,854:48:0	
422	0	310	06:48:09.000	488CC6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	400	4	0	5,764,917:75:0	
423	0	310	07:26:37.666	488CC6C	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	400	4	0	5,764,955:80:0	
424	0	310	07:51:11.000	488CC6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	400	4	0	5,764,980:15:0	
425	0	310	12:07:08.333	488CD6A	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	400	4	0	5,765,233:28:0	
426	0	310	12:08:09.000	488CD6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,765,234:28:0	
427	0	310	18:59:21.666		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 743.88 +/-	400	4	0	5,765,641:00:0	
428	0	310	18:59:21.666	411JL6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,765,641:00:0	
429	0	310	18:59:28.333		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 743.88 +/-	400	4	0	5,765,641:10:0	
430	0	310	18:59:29.733		DMS:	:*AT_SPD	R7, TRACK 1, FWD, TIC 744.00 +/-	400	4	0	5,765,641:12:1	
431	0	310	18:59:29.733		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC * 744.00 +/-	400	4	0	5,765,641:12:1	
432	0	310	18:59:31.666	411JL6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,765,641:15:0	
433	0	310	19:01:33.000	411JL6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,765,643:15:0	
434	0	310	19:01:33.666		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC * 773.05 +/-	400	4	0	5,765,643:16:0	
435	0	310	19:01:33.666	411JL6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,765,643:16:0	
436	0	310	19:01:34.866		DMS:	:*READY	RDY, TRACK 1, FWD, TIC * 773.11 +/-	400	4	0	5,765,643:17:8	
437	0	311	01:52:54.333	411JM6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,766,050:00:0	
438	0	311	01:52:54.333		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 773.11 +/-	400	4	0	5,766,050:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
439	0	311	01:53:01.000		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 773.11 +/-	400	4	0	5,766,050:10:0	
440	0	311	01:53:02.400		DMS:	: *AT SPD	R7, TRACK 1, FWD, TIC 773.23 +/-	400	4	0	5,766,050:12:1	
441	0	311	01:53:02.400		DMS:	: *RECORD	R7, TRACK 1, FWD, TIC * 773.23 +/-	400	4	0	5,766,050:12:1	
442	0	311	01:53:04.333	411JM6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,766,050:15:0	
443	0	311	01:55:05.666	411JM6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,766,052:15:0	
444	0	311	01:55:06.333		DMS:	: *RUNDOWN	R7, TRACK 1, FWD, TIC * 802.27 +/-	400	4	0	5,766,052:16:0	
445	0	311	01:55:06.333	411JM6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,766,052:16:0	
446	0	311	01:55:07.533		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 802.33 +/-	400	4	0	5,766,052:17:8	
447	0	311	08:45:26.266	411JN6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,766,458:00:0	
448	0	311	08:45:26.266		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 802.33 +/-	400	4	0	5,766,458:00:0	
449	0	311	08:45:32.933		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 802.33 +/-	400	4	0	5,766,458:10:0	
450	0	311	08:45:34.333		DMS:	: *AT SPD	R7, TRACK 1, FWD, TIC 802.45 +/-	400	4	0	5,766,458:12:1	
451	0	311	08:45:34.333		DMS:	: *RECORD	R7, TRACK 1, FWD, TIC * 802.45 +/-	400	4	0	5,766,458:12:1	
452	0	311	08:45:36.266	411JN6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,766,458:15:0	
453	0	311	08:47:37.600	411JN6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,766,460:15:0	
454	0	311	08:47:38.266		DMS:	: *RUNDOWN	R7, TRACK 1, FWD, TIC * 831.50 +/-	400	4	0	5,766,460:16:0	
455	0	311	08:47:38.266	411JN6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,766,460:16:0	
456	0	311	08:47:39.466		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 831.56 +/-	400	4	0	5,766,460:17:8	
457	0	311	10:23:18.933	488CE6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,766,554:73:0	
458	0	311	11:35:10.933	488CE6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,766,625:80:0	
459	0	311	12:52:56.933	488CE6C	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	400	4	0	5,766,702:72:0	
460	0	311	17:08:56.933	488CF6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,766,955:89:0	
461	0	311	18:27:50.266	411JO6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,767,034:00:0	
462	0	311	18:27:50.266		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 831.56 +/-	400	4	0	5,767,034:00:0	
463	0	311	18:27:56.933		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 831.56 +/-	400	4	0	5,767,034:10:0	
464	0	311	18:27:58.333		DMS:	: *AT SPD	R7, TRACK 1, FWD, TIC 831.68 +/-	400	4	0	5,767,034:12:1	
465	0	311	18:27:58.333		DMS:	: *RECORD	R7, TRACK 1, FWD, TIC * 831.68 +/-	400	4	0	5,767,034:12:1	
466	0	311	18:28:00.266	411JO6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,767,034:15:0	
467	0	311	18:30:01.600	411JO6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,767,036:15:0	
468	0	311	18:30:02.266	411JO6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,767,036:16:0	
469	0	311	18:30:02.266		DMS:	: *RUNDOWN	R7, TRACK 1, FWD, TIC * 860.73 +/-	400	4	0	5,767,036:16:0	
470	0	311	18:30:03.466		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 860.79 +/-	400	4	0	5,767,036:17:8	
471	0	311	18:38:32.933	488CF6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,767,044:54:0	
472	0	311	18:51:20.933	488CF6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,767,057:23:0	
473	0	311	22:08:20.933	488CF6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,767,252:08:0	
474	0	312	06:33:12.933	488CG6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	400	4	0	5,767,751:37:0	
475	0	312	06:50:16.933	488CG6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,767,768:26:0	
476	0	312	11:59:36.933	488CG6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,768,074:20:0	
477	0	312	13:44:08.933	488CH6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	400	4	0	5,768,177:55:0	
478	0	312	17:04:40.866	488CH6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,768,375:85:0	
479	0	312	18:34:16.866	488CH6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,768,464:50:0	
480	0	312	18:43:21.533	488CH6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,768,473:48:0	
481	0	312	18:44:56.866	488CH6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,768,475:09:0	
482	0	312	18:53:28.866	488C6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,768,483:49:0	
483	0	313	01:35:21.533		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 860.79 +/-	400	4	0	5,768,881:00:0	
484	0	313	01:35:21.533	411JP6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,768,881:00:0	
485	0	313	01:35:28.200		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 860.79 +/-	400	4	0	5,768,881:10:0	
486	0	313	01:35:29.600		DMS:	: *AT SPD	R7, TRACK 1, FWD, TIC 860.91 +/-	400	4	0	5,768,881:12:1	
487	0	313	01:35:29.600		DMS:	: *RECORD	R7, TRACK 1, FWD, TIC * 860.91 +/-	400	4	0	5,768,881:12:1	
488	0	313	01:37:32.866	411JP6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,768,881:15:0	
489	0	313	01:37:32.866	411JP6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,768,883:15:0	
490	0	313	01:37:33.533	411JP6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,768,883:16:0	
491	0	313	01:37:33.533		DMS:	: *RUNDOWN	R7, TRACK 1, FWD, TIC * 889.95 +/-	400	4	0	5,768,883:16:0	
492	0	313	01:37:34.733		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 890.01 +/-	400	4	0	5,768,883:17:8	
493	0	313	02:58:24.200	488CJ6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,768,963:12:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
494	0	313	04:10:06.866	488CJ6B	6TMSED	FILL,AL6	Sci, Eng. and D/L Chan	400	4	0	5,769,034:05:0	
495	0	313	04:36:56.200	488CJ6C	6TMSED	NORM,AL6	Sci, Eng. and D/L Chan	400	4	0	5,769,060:53:0	
496	0	313	05:29:12.866	488CJ6D	6TMSED	NORM,AL5	Sci, Eng. and D/L Chan	400	4	0	5,769,112:26:0	
497	0	313	06:45:11.533	488CJ6E	6TMSED	FILL,AL5	Sci, Eng. and D/L Chan	400	4	0	5,769,187:39:0	
498	0	313	06:52:24.866	488CK6A	6TMSED	FILL,AL7	Sci, Eng. and D/L Chan	400	4	0	5,769,194:52:0	
499	0	313	10:12:31.533	488CK6B	6TMSED	NORM,AL7	Sci, Eng. and D/L Chan	400	4	0	5,769,392:44:0	
500	0	313	11:53:12.866	488CK6C	6TMSED	NORM,AL6	Sci, Eng. and D/L Chan	400	4	0	5,769,492:06:0	
501	0	313	13:21:35.533	488CL6A	6TMSED	FILL,AL6	Sci, Eng. and D/L Chan	400	4	0	5,769,579:43:0	
502	0	313	13:27:04.866	488CL6B	6TMSED	FILL,AL7	Sci, Eng. and D/L Chan	400	4	0	5,769,584:82:0	
503	0	313	20:13:38.866	411JQ6A	6DMSC	R7,0	RDY, TRACK 1, FWD, TIC 890.01 +/-	400	4	0	5,769,987:00:0	
504	0	313	20:13:38.866	411JQ6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,769,987:00:0	
505	0	313	20:13:45.533		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 890.01 +/-	400	4	0	5,769,987:10:0	
506	0	313	20:13:46.933		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC * 890.13 +/-	400	4	0	5,769,987:12:1	
507	0	313	20:13:46.933		DMS:	:*AT_SPD	R7, TRACK 1, FWD, TIC 890.13 +/-	400	4	0	5,769,987:12:1	
508	0	313	20:13:48.866	411JQ6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,769,987:15:0	
509	0	313	20:15:50.200	411JQ6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,769,989:15:0	
510	0	313	20:15:50.866	411JQ6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,769,989:16:0	
511	0	313	20:15:50.866		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC * 919.18 +/-	400	4	0	5,769,989:16:0	
512	0	313	20:15:52.066		DMS:	:*READY	RDY, TRACK 1, FWD, TIC * 919.24 +/-	400	4	0	5,769,989:17:8	
513	0	314	03:07:11.466		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 919.24 +/-	400	4	0	5,770,396:00:0	
514	0	314	03:07:11.466	411JR6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,770,396:00:0	
515	0	314	03:07:18.133		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 919.24 +/-	400	4	0	5,770,396:10:0	
516	0	314	03:07:19.533		DMS:	:*AT_SPD	R7, TRACK 1, FWD, TIC 919.36 +/-	400	4	0	5,770,396:12:1	
517	0	314	03:07:19.533		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC * 919.36 +/-	400	4	0	5,770,396:12:1	
518	0	314	03:07:21.466	411JR6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,770,396:15:0	
519	0	314	03:09:22.800	411JR6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,770,398:15:0	
520	0	314	03:09:23.466	411JR6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,770,398:16:0	
521	0	314	03:09:23.466		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC * 948.41 +/-	400	4	0	5,770,398:16:0	
522	0	314	03:09:24.666		DMS:	:*READY	RDY, TRACK 1, FWD, TIC * 948.47 +/-	400	4	0	5,770,398:17:8	
523	0	314	06:07:34.133	488CM6A	6TMSED	NORM,AL7	Sci, Eng. and D/L Chan	400	4	0	5,770,574:36:0	
524	0	314	11:48:56.800	488CM6B	6TMSED	NORM,AL6	Sci, Eng. and D/L Chan	400	4	0	5,770,912:02:0	
525	0	314	14:03:20.800	488CN6A	6TMSED	NORM,AL5	Sci, Eng. and D/L Chan	400	4	0	5,771,044:86:0	
526	0	314	14:25:15.466	488CN6B	6TMSED	FILL,AL5	Sci, Eng. and D/L Chan	400	4	0	5,771,066:56:0	
527	0	314	14:31:04.800	488CN6C	6TMSED	FILL,AL6	Sci, Eng. and D/L Chan	400	4	0	5,771,072:34:0	
528	0	314	17:17:32.133		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 948.47 +/-	400	4	0	5,771,237:00:0	
529	0	314	17:17:32.133	411JS6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,771,237:00:0	
530	0	314	17:17:38.800		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 948.47 +/-	400	4	0	5,771,237:10:0	
531	0	314	17:17:40.200		DMS:	:*AT_SPD	R7, TRACK 1, FWD, TIC 948.59 +/-	400	4	0	5,771,237:12:1	
532	0	314	17:17:40.200		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC * 948.59 +/-	400	4	0	5,771,237:12:1	
533	0	314	17:17:42.133	411JS6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,771,237:15:0	
534	0	314	17:19:43.466	411JS6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,771,239:15:0	
535	0	314	17:19:44.133	411JS6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,771,239:16:0	
536	0	314	17:19:44.133		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC * 977.63 +/-	400	4	0	5,771,239:16:0	
537	0	314	17:19:45.333		DMS:	:*READY	RDY, TRACK 1, FWD, TIC * 977.69 +/-	400	4	0	5,771,239:17:8	
538	0	314	22:13:28.133	488CO6A	6TMSED	NORM,AL6	Sci, Eng. and D/L Chan	400	4	0	5,771,529:62:0	
539	0	315	06:01:39.466	488CP6A	6TMSED	FILL,AL6	Sci, Eng. and D/L Chan	400	4	0	5,771,992:66:0	
540	0	315	06:07:36.800	488CP6B	6TMSED	FILL,AL7	Sci, Eng. and D/L Chan	400	4	0	5,771,998:56:0	
541	0	315	06:12:36.133	488CP6C	6TMSED	NORM,AL7	Sci, Eng. and D/L Chan	400	4	0	5,772,003:50:0	
542	0	315	11:38:16.800	488CP6D	6TMSED	NORM,AL6	Sci, Eng. and D/L Chan	400	4	0	5,772,325:59:0	
543	0	315	13:56:40.733	488CQ6A	6TMSED	FILL,AL6	Sci, Eng. and D/L Chan	400	4	0	5,772,462:48:0	
544	0	315	16:49:02.733	411JT6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,772,633:00:0	
545	0	315	16:49:02.733		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 977.69 +/-	400	4	0	5,772,633:00:0	
546	0	315	16:49:09.400		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 977.69 +/-	400	4	0	5,772,633:10:0	
547	0	315	16:49:10.800		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC * 977.81 +/-	400	4	0	5,772,633:12:1	
548	0	315	16:49:10.800		DMS:	:*AT_SPD	R7, TRACK 1, FWD, TIC 977.81 +/-	400	4	0	5,772,633:12:1	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
549	0	315	16:49:12.733	411JT6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE	Record Mode	400	4	0	5,772,633:15:0
550	0	315	16:51:14.066	411JT6C	6TMREC	NRC	NO RECORD	Record Mode Change	400	4	0	5,772,635:15:0
551	0	315	16:51:14.733	411JT6D	6DMSC	RDY,0	DMS Control	Tape stop	400	4	0	5,772,635:16:0
552	0	315	16:51:15.933		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC *1006.86 +/-		400	4	0	5,772,635:16:0
553	0	315	16:51:15.933		DMS:	:*READY	RDY, TRACK 1, FWD, TIC *1006.92 +/-		400	4	0	5,772,635:17:8
554	0	315	21:43:31.400	488CR6A	6TMSED	NORM,AL6	Sci, Eng. and D/L Chan		400	4	0	5,772,924:22:0
555	0	315	22:54:59.400	488CR6B	6TMSED	FILL,AL6	Sci, Eng. and D/L Chan		400	4	0	5,772,994:84:0
556	0	315	23:20:30.066	31N6B,	6MROH		12 read from LLM1A12,2282.0,A2		400	4	0	5,773,020:14:0
557	0	315	23:21:49.400	488CR6C	6TMSED	NORM,AL6	Sci, Eng. and D/L Chan		400	4	0	5,773,021:42:0
558	0	316	05:10:00.733	488CS6A	6TMSED	NORM,AL5	Sci, Eng. and D/L Chan		400	4	0	5,773,365:75:0
559	0	316	06:24:40.733	488CS6B	6TMSED	NORM,AL7	Sci, Eng. and D/L Chan		400	4	0	5,773,439:61:0
560	0	316	07:01:22.066	488CS6C	6TMSED	FILL,AL7	Sci, Eng. and D/L Chan		400	4	0	5,773,475:87:0
561	0	316	07:25:54.733	488CS6D	6TMSED	NORM,AL7	Sci, Eng. and D/L Chan		400	4	0	5,773,500:21:0
562	0	316	11:07:23.400	488CS6E	6TMSED	FILL,AL7	Sci, Eng. and D/L Chan		400	4	0	5,773,719:25:0
563	0	316	11:08:24.733	488CT6A	6TMSED	FILL,AL6	Sci, Eng. and D/L Chan		400	4	0	5,773,720:26:0
564	0	316	17:59:38.733	411JU6A	6DMSC	R7,0	DMS Control	Tape runup 7.68kps	400	4	0	5,774,127:00:0
565	0	316	17:59:38.733		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 1006.92 +/-		400	4	0	5,774,127:00:0
566	0	316	17:59:45.400		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 1006.92 +/-		400	4	0	5,774,127:10:0
567	0	316	17:59:46.800		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC *1007.04 +/-		400	4	0	5,774,127:12:1
568	0	316	17:59:46.800		DMS:	:*AT SPD	R7, TRACK 1, FWD, TIC 1007.04 +/-		400	4	0	5,774,127:12:1
569	0	316	17:59:48.733	411JU6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE	Record Mode	400	4	0	5,774,127:15:0
570	0	316	18:01:50.066	411JU6C	6TMREC	NRC	NO RECORD	Record Mode Change	400	4	0	5,774,129:15:0
571	0	316	18:01:50.733		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC *1036.09 +/-		400	4	0	5,774,129:16:0
572	0	316	18:01:50.733	411JU6D	6DMSC	RDY,0	DMS Control	Tape stop	400	4	0	5,774,129:16:0
573	0	316	18:01:51.933		DMS:	:*READY	RDY, TRACK 1, FWD, TIC *1036.15 +/-		400	4	0	5,774,129:17:8
574	0	317	00:53:11.333	411JV6A	6DMSC	R7,0	DMS Control	Tape runup 7.68kps	400	4	0	5,774,536:00:0
575	0	317	00:53:11.333		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 1036.15 +/-		400	4	0	5,774,536:00:0
576	0	317	00:53:18.000		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 1036.15 +/-		400	4	0	5,774,536:10:0
577	0	317	00:53:19.400		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC *1036.27 +/-		400	4	0	5,774,536:12:1
578	0	317	00:53:19.400		DMS:	:*AT SPD	R7, TRACK 1, FWD, TIC 1036.27 +/-		400	4	0	5,774,536:12:1
579	0	317	00:53:21.333	411JV6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE	Record Mode	400	4	0	5,774,536:15:0
580	0	317	00:55:22.666	411JV6C	6TMREC	NRC	NO RECORD	Record Mode Change	400	4	0	5,774,538:15:0
581	0	317	00:55:23.333		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC *1065.31 +/-		400	4	0	5,774,538:16:0
582	0	317	00:55:23.333	411JV6D	6DMSC	RDY,0	DMS Control	Tape stop	400	4	0	5,774,538:16:0
583	0	317	00:55:24.533		DMS:	:*READY	RDY, TRACK 1, FWD, TIC *1065.37 +/-		400	4	0	5,774,538:17:8
584	0	317	07:45:43.333		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 1065.37 +/-		400	4	0	5,774,944:00:0
585	0	317	07:45:43.333	411JW6A	6DMSC	R7,0	DMS Control	Tape runup 7.68kps	400	4	0	5,774,944:00:0
586	0	317	07:45:50.000		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 1065.37 +/-		400	4	0	5,774,944:10:0
587	0	317	07:45:51.400		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC *1065.49 +/-		400	4	0	5,774,944:12:1
588	0	317	07:45:51.400		DMS:	:*AT SPD	R7, TRACK 1, FWD, TIC 1065.49 +/-		400	4	0	5,774,944:12:1
589	0	317	07:45:53.333	411JW6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE	Record Mode	400	4	0	5,774,944:15:0
590	0	317	07:47:54.666	411JW6C	6TMREC	NRC	NO RECORD	Record Mode Change	400	4	0	5,774,946:15:0
591	0	317	07:47:55.333	411JW6D	6DMSC	RDY,0	DMS Control	Tape stop	400	4	0	5,774,946:16:0
592	0	317	07:47:55.333		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC *1094.54 +/-		400	4	0	5,774,946:16:0
593	0	317	07:47:56.533		DMS:	:*READY	RDY, TRACK 1, FWD, TIC *1094.60 +/-		400	4	0	5,774,946:17:8
594	0	317	14:38:15.333	411JX6A	6DMSC	R7,0	DMS Control	Tape runup 7.68kps	400	4	0	5,775,352:00:0
595	0	317	14:38:15.333		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 1094.60 +/-		400	4	0	5,775,352:00:0
596	0	317	14:38:22.000		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 1094.60 +/-		400	4	0	5,775,352:10:0
597	0	317	14:38:23.400		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC *1094.72 +/-		400	4	0	5,775,352:12:1
598	0	317	14:38:23.400		DMS:	:*AT SPD	R7, TRACK 1, FWD, TIC 1094.72 +/-		400	4	0	5,775,352:12:1
599	0	317	14:38:25.333	411JX6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE	Record Mode	400	4	0	5,775,352:15:0
600	0	317	14:40:26.666	411JX6C	6TMREC	NRC	NO RECORD	Record Mode Change	400	4	0	5,775,354:15:0
601	0	317	14:40:27.333		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC *1123.77 +/-		400	4	0	5,775,354:16:0
602	0	317	14:40:27.333	411JX6D	6DMSC	RDY,0	DMS Control	Tape stop	400	4	0	5,775,354:16:0
603	0	317	14:40:28.533		DMS:	:*READY	RDY, TRACK 1, FWD, TIC *1123.83 +/-		400	4	0	5,775,354:17:8

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
604	0	317	21:31:48.000		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 1123.83 +/-	400	4	0	5,775,761:00:0	
605	0	317	21:31:48.000	411JY6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,775,761:00:0	
606	0	317	21:31:54.666		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 1123.83 +/-	400	4	0	5,775,761:10:0	
607	0	317	21:31:56.066		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC *1123.95 +/-	400	4	0	5,775,761:12:1	
608	0	317	21:31:56.066		DMS:	:*AT SPD	R7, TRACK 1, FWD, TIC 1123.95 +/-	400	4	0	5,775,761:12:1	
609	0	317	21:31:58.000	411JY6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,775,761:15:0	
610	0	317	21:33:59.333	411JY6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,775,763:15:0	
611	0	317	21:34:00.000	411JY6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,775,763:16:0	
612	0	317	21:34:00.000		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC *1152.99 +/-	400	4	0	5,775,763:16:0	
613	0	317	21:34:01.200		DMS:	:*READY	RDY, TRACK 1, FWD, TIC *1153.05 +/-	400	4	0	5,775,763:17:8	
614	0	318	02:38:35.333	488CU6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,776,064:38:0	
615	0	318	04:46:32.666	488CU6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	400	4	0	5,776,190:88:0	
616	0	318	11:14:48.600	488CV6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,776,574:88:0	
617	0	318	12:01:59.933	20UV4B	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5,776,621:58:0	
618	0	318	12:02:59.933	20UV4D	7MODE	SPNL	AACS ALL-SPIN LOW	400	4	0	5,776,622:57:0	
619	0	318	12:04:59.933	20UV4E	7SAFE	UNSTOW	SIP TO 153 deg cone	400	4	0	5,776,624:55:0	
620	0	318	12:10:29.933	20UV4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	400	4	0	5,776,630:04:0	
621	0	318	12:10:30.600	20UV4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	400	4	0	5,776,630:05:0	
622	0	318	12:10:50.600	20UV4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	400	4	0	5,776,630:35:0	
623	0	318	12:10:51.266	20UV4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	400	4	0	5,776,630:36:0	
624	0	318	12:11:11.266	20UV4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	400	4	0	5,776,630:66:0	
625	0	318	12:11:11.933	20UV4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	400	4	0	5,776,630:67:0	
626	0	318	12:11:21.933	20UV4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	400	4	0	5,776,630:82:0	
627	0	318	12:11:22.600	20UV4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	400	4	0	5,776,630:83:0	
628	0	318	12:11:32.600	20UV4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	400	4	0	5,776,631:07:0	
629	0	318	12:11:33.266	20UV4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	400	4	0	5,776,631:08:0	
630	0	318	12:13:19.933	20UV4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	400	4	0	5,776,632:77:0	
631	0	318	12:13:20.600	20UV4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	400	4	0	5,776,632:78:0	
632	0	318	12:13:40.600	20UV4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	400	4	0	5,776,633:17:0	
633	0	318	12:13:41.266	20UV4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	400	4	0	5,776,633:18:0	
634	0	318	12:14:01.266	20UV4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	400	4	0	5,776,633:48:0	
635	0	318	12:14:01.933	20UV4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	400	4	0	5,776,633:49:0	
636	0	318	12:14:11.933	20UV4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	400	4	0	5,776,633:64:0	
637	0	318	12:14:12.600	20UV4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	400	4	0	5,776,633:65:0	
638	0	318	12:14:22.600	20UV4AW	7VENT	1.211,1.333,9	ALERT -- Thruster fire	400	4	0	5,776,633:80:0	
639	0	318	12:14:23.266	20UV4AX	7VENT	1.211,0.666,11	ALERT -- Thruster fire	400	4	0	5,776,633:81:0	
640	0	318	12:15:19.933	20UV4Z	7MODE	CRU	AACS CRUISE MODE	400	4	0	5,776,634:75:0	
641	0	318	12:34:59.266	432PF431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	400	4	0	5,776,654:24:0	
642	0	318	12:34:59.933	432PF6A	6RTSL1		R/T Select of DDS and	400	4	0	5,776,654:25:0	
643	0	318	13:44:08.600	488CV6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,776,722:60:0	
644	0	318	14:05:23.266	488CV6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,776,743:61:0	
645	0	318	14:11:52.600	488CV6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,776,750:08:0	
646	0	318	16:57:36.600	411JZ6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,776,914:00:0	
647	0	318	16:57:36.600		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 1153.05 +/-	400	4	0	5,776,914:00:0	
648	0	318	16:57:43.266		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 1153.05 +/-	400	4	0	5,776,914:10:0	
649	0	318	16:57:44.666		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC *1153.17 +/-	400	4	0	5,776,914:12:1	
650	0	318	16:57:44.666		DMS:	:*AT SPD	R7, TRACK 1, FWD, TIC 1153.17 +/-	400	4	0	5,776,914:12:1	
651	0	318	16:57:46.600	411JZ6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,776,914:15:0	
652	0	318	16:59:47.933	411JZ6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,776,916:15:0	
653	0	318	16:59:48.600	411JZ6D	6DMSC	RDY,0	R7, TRACK 1, FWD, TIC *1182.22 +/-	400	4	0	5,776,916:16:0	
654	0	318	16:59:48.600	411JZ6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,776,916:16:0	
655	0	318	16:59:49.800		DMS:	:*READY	RDY, TRACK 1, FWD, TIC *1182.28 +/-	400	4	0	5,776,916:17:8	
656	0	318	22:08:35.933	488CW6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,777,221:52:0	
657	0	318	23:19:53.933	488CW6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,777,292:08:0	
658	0	318	23:46:43.266	488CW6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,777,318:56:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
659	0	319	04:48:40.600	488CX6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,777,617:23:0	
660	0	319	06:24:40.600	488CX6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,777,712:18:0	
661	0	319	06:43:52.600	488CX6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	400	4	0	5,777,731:17:0	
662	0	319	06:46:15.933	488CX6D	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	400	4	0	5,777,733:50:0	
663	0	319	07:10:48.600	488CX6E	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	400	4	0	5,777,757:75:0	
664	0	319	11:08:24.600	488CY6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,777,992:74:0	
665	0	319	13:39:52.600	488CY6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,778,142:56:0	
666	0	319	13:56:56.600	488CY6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	400	4	0	5,778,159:45:0	
667	0	319	16:19:52.600	488CY6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,778,300:78:0	
668	0	319	18:00:08.600	488CZ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,778,400:02:0	
669	0	319	18:13:34.600	488CZ6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,778,413:28:0	
670	0	319	18:15:04.600	488CZ6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,778,414:72:0	
671	0	319	18:23:36.600	488CZ6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,778,423:21:0	
672	0	319	19:18:38.533	488CZ6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,778,477:60:0	
673	0	320	05:52:40.533	488DA6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,779,104:66:0	
674	0	320	05:59:04.533	488DA6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	400	4	0	5,779,111:05:0	
675	0	320	10:59:52.533	488DA6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,779,408:50:0	
676	0	320	13:33:28.533	488DB6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,779,560:42:0	
677	0	320	13:52:40.533	488DB6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,779,579:41:0	
678	0	320	14:59:50.533	488DB6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,779,645:80:0	
679	0	320	15:26:40.533	488DB6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,779,672:38:0	
680	0	320	16:19:52.533	488DB6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,779,725:03:0	
681	0	320	17:53:44.533	488DC6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,779,817:79:0	
682	0	320	18:11:33.200	488DC6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,779,835:44:0	
683	0	320	18:15:04.533	488DC6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	400	4	0	5,779,838:88:0	
684	0	320	18:25:44.533	488DC6D	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	400	4	0	5,779,849:47:0	
685	0	321	01:03:35.866	411KA6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,780,243:00:0	
686	0	321	01:03:35.866		DMS:	::*E4-DELAY	RDY, TRACK 1, FWD, TIC 1182.28 +/-	400	4	0	5,780,243:00:0	
687	0	321	01:03:42.533		DMS:	::*RUNUP	R7, TRACK 1, FWD, TIC 1182.28 +/-	400	4	0	5,780,243:10:0	
688	0	321	01:03:43.933		DMS:	::*AT SPD	R7, TRACK 1, FWD, TIC 1182.40 +/-	400	4	0	5,780,243:12:1	
689	0	321	01:03:43.933		DMS:	::*RECORD	R7, TRACK 1, FWD, TIC *1182.40 +/-	400	4	0	5,780,243:12:1	
690	0	321	01:03:45.866	411KA6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,780,243:15:0	
691	0	321	01:05:47.200	411KA6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,780,245:15:0	
692	0	321	01:05:47.866	411KA6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,780,245:16:0	
693	0	321	01:05:47.866		DMS:	::*RUNDOWN	R7, TRACK 1, FWD, TIC *1211.45 +/-	400	4	0	5,780,245:16:0	
694	0	321	01:05:49.066		DMS:	::*READY	RDY, TRACK 1, FWD, TIC *1211.51 +/-	400	4	0	5,780,245:17:8	
695	0	321	06:07:47.133	488DD6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	400	4	0	5,780,543:77:0	
696	0	321	10:49:12.466	488DD6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,780,822:16:0	
697	0	321	13:29:12.466	488DE6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	400	4	0	5,780,980:38:0	
698	0	321	16:04:56.466	488DE6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,781,134:40:0	
699	0	321	17:49:28.466	488DE6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,781,237:75:0	
700	0	321	18:47:04.466	488DE6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,781,294:72:0	
701	0	322	05:39:52.466	488DF6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,781,940:38:0	
702	0	322	06:00:29.800	488DF6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,781,960:74:0	
703	0	322	06:07:36.466	488DF6C	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	400	4	0	5,781,967:77:0	
704	0	322	06:12:49.133	488DF6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	400	4	0	5,781,973:00:0	
705	0	322	10:38:32.466	488DF6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,782,235:73:0	
706	0	322	13:24:56.466	488DG6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,782,400:34:0	
707	0	322	13:42:00.466	488DG6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	400	4	0	5,782,417:23:0	
708	0	322	15:58:32.400	488DG6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,782,552:26:0	
709	0	322	17:45:12.400	488DG6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,782,657:71:0	
710	0	322	17:58:38.400	488DG6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,782,671:06:0	
711	0	322	18:00:08.400	488DH6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,782,672:50:0	
712	0	322	18:08:40.400	488DH6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,782,680:90:0	
713	0	322	21:53:42.400	488DH6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,782,903:50:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
714	0	322	23:04:47.733	488DH6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,782,973:78:0	
715	0	322	23:31:37.066	488DH6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,783,000:35:0	
716	0	323	04:18:48.400	488D6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,783,284:38:0	
717	0	323	06:03:20.400	488D6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,783,387:73:0	
718	0	323	06:22:32.400	488D6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	400	4	0	5,783,406:72:0	
719	0	323	06:31:11.066	488D6D	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	400	4	0	5,783,415:31:0	
720	0	323	06:55:43.733	488D6E	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	400	4	0	5,783,439:56:0	
721	0	323	10:04:24.400	488D6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,783,626:20:0	
722	0	323	11:57:28.400	488D6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	400	4	0	5,783,738:04:0	
723	0	323	15:54:16.400	488D6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,783,972:22:0	
724	0	323	17:38:48.400	488DK6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,784,075:57:0	
725	0	323	17:53:11.066	488DK6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,784,089:77:0	
726	0	323	17:53:44.400	488DK6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,784,090:36:0	
727	0	323	18:02:16.400	488DK6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,784,098:76:0	
728	0	324	00:45:52.400	411KB6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,784,498:00:0	
729	0	324	00:45:52.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1211.51 +/-	400	4	0	5,784,498:00:0	
730	0	324	00:45:59.066		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1211.51 +/-	400	4	0	5,784,498:10:0	
731	0	324	00:46:00.466		DMS:	: *AT SPD	R7, TRACK 1, FWD, TIC 1211.63 +/-	400	4	0	5,784,498:12:1	
732	0	324	00:46:00.466		DMS:	: *RECORD	R7, TRACK 1, FWD, TIC *1211.63 +/-	400	4	0	5,784,498:12:1	
733	0	324	00:46:02.400	411KB6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,784,498:15:0	
734	0	324	00:48:03.733	411KB6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,784,500:15:0	
735	0	324	00:48:04.400	411KB6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,784,500:16:0	
736	0	324	00:48:04.400		DMS:	: *RUNDOWN	R7, TRACK 1, FWD, TIC *1240.68 +/-	400	4	0	5,784,500:16:0	
737	0	324	00:48:05.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1240.74 +/-	400	4	0	5,784,500:17:8	
738	0	324	07:38:24.333	411KC6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,784,906:00:0	
739	0	324	07:38:24.333		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1240.74 +/-	400	4	0	5,784,906:00:0	
740	0	324	07:38:31.000		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1240.74 +/-	400	4	0	5,784,906:10:0	
741	0	324	07:38:32.400		DMS:	: *AT SPD	R7, TRACK 1, FWD, TIC 1240.86 +/-	400	4	0	5,784,906:12:1	
742	0	324	07:38:32.400		DMS:	: *RECORD	R7, TRACK 1, FWD, TIC *1240.86 +/-	400	4	0	5,784,906:12:1	
743	0	324	07:38:34.333	411KC6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,784,906:15:0	
744	0	324	07:40:35.666	411KC6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,784,908:15:0	
745	0	324	07:40:36.333	411KC6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,784,908:16:0	
746	0	324	07:40:36.333		DMS:	: *RUNDOWN	R7, TRACK 1, FWD, TIC *1269.90 +/-	400	4	0	5,784,908:16:0	
747	0	324	07:40:37.533		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1269.96 +/-	400	4	0	5,784,908:17:8	
748	0	324	09:54:37.666	488DL6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,785,040:66:0	
749	0	324	10:06:32.333	488DL6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,785,052:46:0	
750	0	324	11:57:28.333	488DL6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	400	4	0	5,785,162:20:0	
751	0	324	15:43:36.333	488DL6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,785,385:79:0	
752	0	324	17:34:32.333	488DM6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,785,495:53:0	
753	0	324	17:48:26.333	488DM6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,785,509:30:0	
754	0	324	17:49:28.333	488DM6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,785,510:32:0	
755	0	324	17:58:00.333	488DM6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,785,518:72:0	
756	0	324	21:28:44.333	488DM6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,785,727:19:0	
757	0	325	05:24:56.333	488DN6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,786,198:16:0	
758	0	325	06:10:32.333	488DN6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,786,243:25:0	
759	0	325	06:16:08.333	488DN6C	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	400	4	0	5,786,248:74:0	
760	0	325	08:37:51.666	488DN6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	400	4	0	5,786,388:89:0	
761	0	325	10:00:08.333	488DN6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,786,470:32:0	
762	0	325	13:10:00.266	488DO6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,786,658:12:0	
763	0	325	13:29:12.266	488DO6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,786,677:11:0	
764	0	325	14:39:45.600	488DO6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,786,746:82:0	
765	0	325	15:06:34.933	488DO6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,786,773:39:0	
766	0	325	15:35:04.266	488DO6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,786,801:55:0	
767	0	325	17:30:16.266	488DP6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,786,915:49:0	
768	0	325	17:42:46.266	488DP6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,786,927:82:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GS	GO	RIM	MF I
769	0	325	17:51:36.266	488DP6C	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	400	4	0	5,786,936:58:0
770	0	326	00:35:24.266		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 1269.96 +/-	400	4	0	5,787,336:00:0
771	0	326	00:35:24.266	411KD6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,787,336:00:0
772	0	326	00:35:30.933		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 1269.96 +/-	400	4	0	5,787,336:10:0
773	0	326	00:35:32.333		DMS:	:*AT SPD	R7, TRACK 1, FWD, TIC 1270.08 +/-	400	4	0	5,787,336:12:1
774	0	326	00:35:32.333		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC *1270.08 +/-	400	4	0	5,787,336:12:1
775	0	326	00:35:34.266	411KD6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,787,336:15:0
776	0	326	00:37:35.600	411KD6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,787,338:15:0
777	0	326	00:37:36.266	411KD6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,787,338:16:0
778	0	326	00:37:36.266		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC *1299.13 +/-	400	4	0	5,787,338:16:0
779	0	326	00:37:37.466		DMS:	:*READY	RDY, TRACK 1, FWD, TIC *1299.19 +/-	400	4	0	5,787,338:17:8
780	0	326	03:28:18.266		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 1299.19 +/-	400	4	0	5,787,507:00:0
781	0	326	03:28:18.266	411KE6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,787,507:00:0
782	0	326	03:28:24.933		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 1299.19 +/-	400	4	0	5,787,507:10:0
783	0	326	03:28:26.333		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC *1299.31 +/-	400	4	0	5,787,507:12:1
784	0	326	03:28:26.333		DMS:	:*AT SPD	R7, TRACK 1, FWD, TIC 1299.31 +/-	400	4	0	5,787,507:12:1
785	0	326	03:28:28.266	411KE6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,787,507:15:0
786	0	326	03:30:29.600	411KE6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,787,509:15:0
787	0	326	03:30:30.266		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC *1328.36 +/-	400	4	0	5,787,509:16:0
788	0	326	03:30:30.266	411KE6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,787,509:16:0
789	0	326	03:30:31.466		DMS:	:*READY	RDY, TRACK 1, FWD, TIC *1328.42 +/-	400	4	0	5,787,509:17:8
790	0	326	08:02:51.600	488DQ6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	400	4	0	5,787,778:49:0
791	0	326	09:45:12.266	488DQ6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,787,879:69:0
792	0	326	13:03:36.266	488DQ6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,788,075:89:0
793	0	326	13:10:33.600	488DQ6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,788,082:78:0
794	0	326	13:16:24.266	488DQ6E	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	400	4	0	5,788,088:58:0
795	0	326	20:03:14.266	411KF6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,788,491:00:0
796	0	326	20:03:14.266		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 1328.42 +/-	400	4	0	5,788,491:00:0
797	0	326	20:03:20.933		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 1328.42 +/-	400	4	0	5,788,491:10:0
798	0	326	20:03:22.333		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC *1328.54 +/-	400	4	0	5,788,491:12:1
799	0	326	20:03:22.333		DMS:	:*AT SPD	R7, TRACK 1, FWD, TIC 1328.54 +/-	400	4	0	5,788,491:12:1
800	0	326	20:03:24.266	411KF6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,788,491:15:0
801	0	326	20:05:25.600	411KF6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,788,493:15:0
802	0	326	20:05:26.266		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC *1357.58 +/-	400	4	0	5,788,493:16:0
803	0	326	20:05:26.266	411KF6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,788,493:16:0
804	0	326	20:05:27.466		DMS:	:*READY	RDY, TRACK 1, FWD, TIC *1357.64 +/-	400	4	0	5,788,493:17:8
805	0	327	02:55:46.200	411KG6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,788,899:00:0
806	0	327	02:55:46.200		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 1357.64 +/-	400	4	0	5,788,899:00:0
807	0	327	02:55:52.866		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 1357.64 +/-	400	4	0	5,788,899:10:0
808	0	327	02:55:54.266		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC *1357.76 +/-	400	4	0	5,788,899:12:1
809	0	327	02:55:54.266		DMS:	:*AT SPD	R7, TRACK 1, FWD, TIC 1357.76 +/-	400	4	0	5,788,899:12:1
810	0	327	02:55:56.200	411KG6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,788,899:15:0
811	0	327	02:57:57.533	411KG6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,788,901:15:0
812	0	327	02:57:58.200	411KG6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,788,901:16:0
813	0	327	02:57:58.200		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC *1386.81 +/-	400	4	0	5,788,901:16:0
814	0	327	02:57:59.400		DMS:	:*READY	RDY, TRACK 1, FWD, TIC *1386.87 +/-	400	4	0	5,788,901:17:8
815	0	327	05:32:52.866	488DR6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	400	4	0	5,789,054:35:0
816	0	327	09:23:52.200	488DR6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,789,282:76:0
817	0	327	12:08:08.200	488DS6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	400	4	0	5,789,445:27:0
818	0	327	15:20:08.200	488DS6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,789,635:17:0
819	0	327	17:19:36.200	488DS6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,789,753:31:0
820	0	327	17:30:33.533	488DS6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,789,764:16:0
821	0	328	00:22:54.866	411KH6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,790,172:00:0
822	0	328	00:22:54.866		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 1386.87 +/-	400	4	0	5,790,172:00:0
823	0	328	00:23:01.533		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 1386.87 +/-	400	4	0	5,790,172:10:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
824	0	328	00:23:02.933		DMS:	: *AT SPD	R7, TRACK 1, FWD, TIC 1386.99 +/-	400	4	0	5,790,172:12:1	
825	0	328	00:23:02.933		DMS:	: *RECORD	R7, TRACK 1, FWD, TIC *1386.99 +/-	400	4	0	5,790,172:12:1	
826	0	328	00:23:04.866	411KH6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,790,172:15:0	
827	0	328	00:25:06.200	411KH6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,790,174:15:0	
828	0	328	00:25:06.866	411KH6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,790,174:16:0	
829	0	328	00:25:08.066		DMS:	: *RUNDOWN	R7, TRACK 1, FWD, TIC *1416.04 +/-	400	4	0	5,790,174:16:0	
830	0	328	00:25:08.066		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1416.10 +/-	400	4	0	5,790,174:17:8	
831	0	328	07:16:27.533		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1416.10 +/-	400	4	0	5,790,581:00:0	
832	0	328	07:16:27.533	411KI6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,790,581:00:0	
833	0	328	07:16:34.200		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1416.10 +/-	400	4	0	5,790,581:10:0	
834	0	328	07:16:35.600		DMS:	: *AT SPD	R7, TRACK 1, FWD, TIC 1416.22 +/-	400	4	0	5,790,581:12:1	
835	0	328	07:16:35.600		DMS:	: *RECORD	R7, TRACK 1, FWD, TIC *1416.22 +/-	400	4	0	5,790,581:12:1	
836	0	328	07:16:37.533	411KI6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,790,581:15:0	
837	0	328	07:18:38.866	411KI6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,790,583:15:0	
838	0	328	07:18:39.533		DMS:	: *RUNDOWN	R7, TRACK 1, FWD, TIC *1445.26 +/-	400	4	0	5,790,583:16:0	
839	0	328	07:18:39.533	411KI6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,790,583:16:0	
840	0	328	07:18:40.733		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1445.32 +/-	400	4	0	5,790,583:17:8	
841	0	328	11:49:40.800	488DT6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,790,851:20:0	
842	0	328	12:01:44.133	488DT6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,790,863:13:0	
843	0	328	12:59:43.466	488DT6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,790,920:45:0	
844	0	328	13:26:33.466	488DT6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,790,947:03:0	
845	0	328	15:05:12.133	488DT6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,791,044:54:0	
846	0	328	17:15:20.133	488DU6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,791,173:27:0	
847	0	328	17:31:33.466	488DU6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,791,189:31:0	
848	0	328	17:34:32.133	488DU6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	400	4	0	5,791,192:26:0	
849	0	328	17:45:12.133	488DU6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,791,202:76:0	
850	0	329	00:23:44.800		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1445.32 +/-	400	4	0	5,791,597:00:0	
851	0	329	00:23:44.800	411KJ6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,791,597:00:0	
852	0	329	00:23:51.466		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1445.32 +/-	400	4	0	5,791,597:10:0	
853	0	329	00:23:52.866		DMS:	: *AT SPD	R7, TRACK 1, FWD, TIC 1445.44 +/-	400	4	0	5,791,597:12:1	
854	0	329	00:23:52.866		DMS:	: *RECORD	R7, TRACK 1, FWD, TIC *1445.44 +/-	400	4	0	5,791,597:12:1	
855	0	329	00:23:54.800	411KJ6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,791,597:15:0	
856	0	329	00:25:56.133	411KJ6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,791,599:15:0	
857	0	329	00:25:56.800	411KJ6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,791,599:16:0	
858	0	329	00:25:56.800		DMS:	: *RUNDOWN	R7, TRACK 1, FWD, TIC *1474.49 +/-	400	4	0	5,791,599:16:0	
859	0	329	00:25:58.000		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1474.55 +/-	400	4	0	5,791,599:17:8	
860	0	329	02:47:19.466		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 1474.55 +/-	400	4	0	5,791,739:00:0	
861	0	329	02:47:19.466	465WA6A	6DMST		5000 DMS Slew to TIC	400	4	0	5,791,739:00:0	
862	0	329	02:47:19.466		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1474.55 +/-	400	4	0	5,791,739:00:0	
863	0	329	02:47:26.133		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 1474.55 +/-	400	4	0	5,791,739:10:0	
864	0	329	02:47:27.533		DMS:	: *AT SPD	P7, TRACK 1, FWD, TIC *1474.67 +/-	400	4	0	5,791,739:12:1	
865	0	329	04:03:47.466	488DV6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,791,814:57:0	
866	0	329	06:16:08.133	488DV6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	400	4	0	5,791,945:47:0	
867	0	329	06:57:58.933		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *4997.94 +/-	400	4	0	5,791,986:82:2	
868	0	329	06:58:00.133		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4998.00 +/-	400	4	0	5,791,986:84:0	
869	0	329	08:04:56.133	488DV6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,792,053:11:0	
870	0	329	08:41:00.800		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 4998.00 +/-	400	4	0	5,792,088:73:0	
871	0	329	08:41:00.800	465WB6A	6DMSC	P100.4	DMS Control Tape P/B 100.8kpbs	400	4	0	5,792,088:73:0	
872	0	329	08:41:02.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4998.12 +/-	400	4	0	5,792,088:75:1	
873	0	329	08:41:07.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4999.35 +/-	400	4	0	5,792,088:83:0	
874	0	329	08:41:08.666		DMS:	: *RUNUP	P100, TRACK 4, *REV, TIC *4999.41 +/-	400	4	0	5,792,088:84:8	
875	0	329	08:41:12.533		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *4993.91 +/-	400	4	0	5,792,088:90:6	
876	0	329	08:41:12.533		DMS:	: *AT SPD	P100, TRACK 4, REV, TIC 4993.91 +/-	400	4	0	5,792,088:90:6	
877	0	329	09:06:52.800	465WB6B	6DMSC	RDY,4	DMS Control Tape stop	400	4	0	5,792,114:35:0	
878	0	329	09:06:52.800		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC *255.79 +/-	400	4	0	5,792,114:35:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
879	0	329	09:06:54.000		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 254.99 +/-	400	4	0	5,792,114,36:8	
880	0	329	11:06:42.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 254.99 +/-	400	4	0	5,792,232:81:0	
881	0	329	11:06:42.133		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 254.99 +/-	400	4	0	5,792,232:81:0	
882	0	329	11:06:42.133	465WC6A	6DTRN	CMD,6DTRN,465WC6	DMS TRACK TURNAROUND	400	4	0	5,792,232:81:0	
883	0	329	11:06:43.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 255.11 +/-	400	4	0	5,792,233:00:0	
884	0	329	11:06:48.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 256.34 +/-	400	4	0	5,792,233:00:0	
885	0	329	11:06:50.000		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 256.40 +/-	400	4	0	5,792,233:01:8	
886	0	329	11:06:51.400		DMS:	: *AT SPD	P7, TRACK 4, REV, TIC * 256.28 +/-	400	4	0	5,792,233:03:9	
887	0	329	11:10:09.466	488DW6A	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	400	4	0	5,792,236:28:0	
888	0	329	11:10:52.066		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	400	4	0	5,792,237:00:9	
889	0	329	11:10:53.266		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	400	4	0	5,792,237:02:7	
890	0	329	11:10:53.266		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	400	4	0	5,792,237:02:7	
891	0	329	11:10:54.666		DMS:	: *AT SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	400	4	0	5,792,237:04:8	
892	0	329	11:11:06.666		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	400	4	0	5,792,237:22:8	
893	0	329	11:11:07.866		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	400	4	0	5,792,237:24:6	
894	0	329	11:16:44.800		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	400	4	0	5,792,242:75:0	
895	0	329	11:16:44.800	465WD6A	6DMSC	P100.1	DMS Control Tape P/B 100.8kbps	400	4	0	5,792,242:75:0	
896	0	329	11:16:51.466		DMS:	: *RUNUP	P100, TRACK 1, FWD, TIC 202.12 +/-	400	4	0	5,792,242:85:0	
897	0	329	11:16:55.333		DMS:	: *P SLEW	P100, TRACK 1, FWD, TIC * 207.62 +/-	400	4	0	5,792,242:90:8	
898	0	329	11:16:55.333		DMS:	: *AT SPD	P100, TRACK 1, FWD, TIC 207.62 +/-	400	4	0	5,792,242:90:8	
899	0	329	11:48:38.800		DMS:	: *RUNDOWN	P100, TRACK 1, FWD, TIC *6063.01 +/-	400	4	0	5,792,274:34:0	
900	0	329	11:48:38.800	465WD6B	6DMSC	RDY,1	DMS Control Tape stop	400	4	0	5,792,274:34:0	
901	0	329	11:48:40.000		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *6063.81 +/-	400	4	0	5,792,274:35:8	
902	0	329	12:04:14.800	465WE6A	6DMSC	P100.2	DMS Control Tape P/B 100.8kbps	400	4	0	5,792,289:73:0	
903	0	329	12:04:14.800		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 6063.81 +/-	400	4	0	5,792,289:73:0	
904	0	329	12:04:16.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.93 +/-	400	4	0	5,792,289:75:1	
905	0	329	12:04:21.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6065.17 +/-	400	4	0	5,792,289:83:0	
906	0	329	12:04:22.666		DMS:	: *RUNUP	P100, TRACK *2, *REV, TIC *6065.23 +/-	400	4	0	5,792,289:84:8	
907	0	329	12:04:26.533		DMS:	: *AT SPD	P100, TRACK 2, REV, TIC 6059.73 +/-	400	4	0	5,792,289:90:6	
908	0	329	12:04:26.533		DMS:	: *P SLEW	P100, TRACK 2, REV, TIC *6059.73 +/-	400	4	0	5,792,289:90:6	
909	0	329	12:36:22.800		DMS:	: *RUNDOWN	P100, TRACK 2, REV, TIC * 164.96 +/-	400	4	0	5,792,321:53:0	
910	0	329	12:36:22.800	465WF6A	6DMSC	P100.3	DMS Control Tape P/B 100.8kbps	400	4	0	5,792,321:53:0	
911	0	329	12:36:24.000		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 164.16 +/-	400	4	0	5,792,321:54:8	
912	0	329	12:36:27.866		DMS:	: *P SLEW	P100, TRACK 3, FWD, TIC * 169.66 +/-	400	4	0	5,792,321:60:6	
913	0	329	12:36:27.866		DMS:	: *AT SPD	P100, TRACK 3, FWD, TIC 169.66 +/-	400	4	0	5,792,321:60:6	
914	0	329	12:44:24.133	488DW6B	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	400	4	0	5,792,329:47:0	
915	0	329	13:08:23.466		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC *6062.38 +/-	400	4	0	5,792,353:22:0	
916	0	329	13:08:23.466	465WF6B	6DMSC	RDY,3	DMS Control Tape stop	400	4	0	5,792,353:22:0	
917	0	329	13:08:24.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *6063.18 +/-	400	4	0	5,792,353:23:8	
918	0	329	13:14:49.466	488DW6C	6TMSED	FILL,AH5	Sci, Eng, and D/L Chan	400	4	0	5,792,359:55:0	
919	0	329	13:18:32.133	488DW6D	6TMSED	FILL,AH4	Sci, Eng, and D/L Chan	400	4	0	5,792,363:25:0	
920	0	329	13:23:06.800		DMS:	: *US-RUNUP	P7, TRACK *1, FWD, TIC 6063.18 +/-	400	4	0	5,792,367:73:0	
921	0	329	13:23:06.800	465WG6A	6DMSC	P100.4	DMS Control Tape P/B 100.8kbps	400	4	0	5,792,367:73:0	
922	0	329	13:23:08.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.30 +/-	400	4	0	5,792,367:75:1	
923	0	329	13:23:13.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6064.53 +/-	400	4	0	5,792,367:83:0	
924	0	329	13:23:14.666		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *6064.59 +/-	400	4	0	5,792,367:84:8	
925	0	329	13:23:18.533		DMS:	: *AT SPD	P100, TRACK 4, REV, TIC 6059.09 +/-	400	4	0	5,792,367:90:6	
926	0	329	13:23:18.533		DMS:	: *P SLEW	P100, TRACK 4, REV, TIC *6059.09 +/-	400	4	0	5,792,367:90:6	
927	0	329	13:55:14.133	465WH6A	6DMSC	P100.3	DMS Control Tape P/B 100.8kbps	400	4	0	5,792,399:52:0	
928	0	329	13:55:14.133		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 166.38 +/-	400	4	0	5,792,399:52:0	
929	0	329	13:55:15.333		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 165.58 +/-	400	4	0	5,792,399:53:8	
930	0	329	13:55:19.200		DMS:	: *AT SPD	P100, TRACK 3, FWD, TIC 171.08 +/-	400	4	0	5,792,399:59:6	
931	0	329	13:55:19.200		DMS:	: *P SLEW	P100, TRACK 3, FWD, TIC * 171.08 +/-	400	4	0	5,792,399:59:6	
932	0	329	13:56:20.133		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC * 358.52 +/-	400	4	0	5,792,400:60:0	
933	0	329	13:56:20.133	465WH6B	6DMSC	RDY,3	DMS Control Tape stop	400	4	0	5,792,400:60:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GS	GO	RIM	MF I
934	0	329	13:56:21.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 359.32 +/-	400	4	0	5,792,400:61:8
935	0	329	13:56:59.466	488DW6E	6TMSD	FILL_AL4	Sci, Eng, and D/L Chan	400	4	0	5,792,401:28:0
936	0	329	14:10:50.133	465WI6A	6DMSC	RDY,4	DMS Control Tape stop	400	4	0	5,792,415:00:0
937	0	329	14:10:50.133		DMS:	: *READY	RDY, TRACK *4, *REV, TIC 359.32 +/-	400	4	0	5,792,415:00:0
938	0	329	14:11:44.133		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 359.32 +/-	400	4	0	5,792,415:81:0
939	0	329	14:11:44.133	465WJ6A	6DTRN	CMD,6DTRN,465WJ6	DMS TRACK TURNAROUND	400	4	0	5,792,415:81:0
940	0	329	14:11:44.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 359.32 +/-	400	4	0	5,792,415:81:0
941	0	329	14:11:45.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 359.44 +/-	400	4	0	5,792,415:83:1
942	0	329	14:11:50.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 360.67 +/-	400	4	0	5,792,416:00:0
943	0	329	14:11:52.000		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 360.73 +/-	400	4	0	5,792,416:01:8
944	0	329	14:11:53.400		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 360.61 +/-	400	4	0	5,792,416:03:9
945	0	329	14:23:19.200		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	400	4	0	5,792,427:31:6
946	0	329	14:23:20.400		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	400	4	0	5,792,427:33:4
947	0	329	14:23:20.400		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	400	4	0	5,792,427:33:4
948	0	329	14:23:21.800		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	400	4	0	5,792,427:35:5
949	0	329	14:23:33.800		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	400	4	0	5,792,427:53:5
950	0	329	14:23:35.000		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	400	4	0	5,792,427:55:3
951	0	329	14:49:15.466		DMS:	: *TURNARND	P7, TRACK 1, FWD, TIC 202.12 +/-	400	4	0	5,792,453:00:0
952	0	329	14:49:15.466		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 202.12 +/-	400	4	0	5,792,453:00:0
953	0	329	14:49:15.466		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	400	4	0	5,792,453:00:0
954	0	329	14:49:15.466	465JC6A	6DMST		1496 DMS Slew to TIC	400	4	0	5,792,453:00:0
955	0	329	14:49:22.133		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 202.12 +/-	400	4	0	5,792,453:10:0
956	0	329	14:49:23.533		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 202.24 +/-	400	4	0	5,792,453:12:1
957	0	329	16:21:13.600		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *1493.94 +/-	400	4	0	5,792,543:87:2
958	0	329	16:21:14.800		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1494.00 +/-	400	4	0	5,792,543:89:0
959	0	329	20:07:45.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1494.00 +/-	400	4	0	5,792,768:00:0
960	0	329	20:07:45.400	411KK6A	6DMSC	RT,0	DMS Control Tape runup 7.68kps	400	4	0	5,792,768:00:0
961	0	329	20:07:52.066		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1494.00 +/-	400	4	0	5,792,768:10:0
962	0	329	20:07:53.466		DMS:	: *RECORD	R7, TRACK 1, FWD, TIC *1494.12 +/-	400	4	0	5,792,768:12:1
963	0	329	20:07:53.466		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 1494.12 +/-	400	4	0	5,792,768:12:1
964	0	329	20:07:55.400	411KK6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,792,768:15:0
965	0	329	20:09:56.733	411KK6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,792,770:15:0
966	0	329	20:09:57.400	411KK6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,792,770:16:0
967	0	329	20:09:57.400		DMS:	: *RUNDOWN	R7, TRACK 1, FWD, TIC *1523.17 +/-	400	4	0	5,792,770:16:0
968	0	329	20:09:58.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1523.23 +/-	400	4	0	5,792,770:17:8
969	0	330	03:00:17.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1523.23 +/-	400	4	0	5,793,176:00:0
970	0	330	03:00:17.400	411KL6A	6DMSC	RT,0	DMS Control Tape runup 7.68kps	400	4	0	5,793,176:00:0
971	0	330	03:00:24.066		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1523.23 +/-	400	4	0	5,793,176:10:0
972	0	330	03:00:25.466		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 1523.35 +/-	400	4	0	5,793,176:12:1
973	0	330	03:00:25.466		DMS:	: *RECORD	R7, TRACK 1, FWD, TIC *1523.35 +/-	400	4	0	5,793,176:12:1
974	0	330	03:00:27.400	411KL6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,793,176:15:0
975	0	330	03:02:28.733	411KL6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,793,178:15:0
976	0	330	03:02:29.400	411KL6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,793,178:16:0
977	0	330	03:02:29.400		DMS:	: *RUNDOWN	R7, TRACK 1, FWD, TIC *1552.39 +/-	400	4	0	5,793,178:16:0
978	0	330	03:02:30.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1552.45 +/-	400	4	0	5,793,178:17:8
979	0	330	09:52:49.400	411KM6A	6DMSC	RT,0	DMS Control Tape runup 7.68kps	400	4	0	5,793,584:00:0
980	0	330	09:52:49.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1552.45 +/-	400	4	0	5,793,584:00:0
981	0	330	09:52:56.066		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1552.45 +/-	400	4	0	5,793,584:10:0
982	0	330	09:52:57.466		DMS:	: *RECORD	R7, TRACK 1, FWD, TIC *1552.57 +/-	400	4	0	5,793,584:12:1
983	0	330	09:52:57.466		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 1552.57 +/-	400	4	0	5,793,584:12:1
984	0	330	09:52:59.400	411KM6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,793,584:15:0
985	0	330	09:55:00.733	411KM6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,793,586:15:0
986	0	330	09:55:01.400		DMS:	: *RUNDOWN	R7, TRACK 1, FWD, TIC *1581.62 +/-	400	4	0	5,793,586:16:0
987	0	330	09:55:01.400	411KM6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,793,586:16:0
988	0	330	09:55:02.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1581.68 +/-	400	4	0	5,793,586:17:8

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
989	0	330	16:46:22.066		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 1581.68 +/-	400	4	0	5,793,993:00:0	
990	0	330	16:46:22.066	411KN6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,793,993:00:0	
991	0	330	16:46:28.733		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 1581.68 +/-	400	4	0	5,793,993:10:0	
992	0	330	16:46:30.133		DMS:	:*AT_SPD	R7, TRACK 1, FWD, TIC 1581.80 +/-	400	4	0	5,793,993:12:1	
993	0	330	16:46:30.133		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC *1581.80 +/-	400	4	0	5,793,993:12:1	
994	0	330	16:46:32.066	411KN6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,793,993:15:0	
995	0	330	16:48:33.400	411KN6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,793,995:15:0	
996	0	330	16:48:34.066		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC *1610.85 +/-	400	4	0	5,793,995:16:0	
997	0	330	16:48:34.066	411KN6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,793,995:16:0	
998	0	330	16:48:35.266		DMS:	:*READY	RDY, TRACK 1, FWD, TIC *1610.91 +/-	400	4	0	5,793,995:17:8	
999	0	330	23:38:54.066	411KO6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,794,401:00:0	
1000	0	330	23:38:54.066		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 1610.91 +/-	400	4	0	5,794,401:00:0	
1001	0	330	23:39:00.733		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 1610.91 +/-	400	4	0	5,794,401:10:0	
1002	0	330	23:39:02.133		DMS:	:*AT_SPD	R7, TRACK 1, FWD, TIC 1611.03 +/-	400	4	0	5,794,401:12:1	
1003	0	330	23:39:02.133		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC *1611.03 +/-	400	4	0	5,794,401:12:1	
1004	0	330	23:39:04.066	411KO6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,794,401:15:0	
1005	0	330	23:41:05.400	411KO6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,794,403:15:0	
1006	0	330	23:41:06.066	411KO6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,794,403:16:0	
1007	0	330	23:41:06.066		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC *1640.07 +/-	400	4	0	5,794,403:16:0	
1008	0	330	23:41:07.266		DMS:	:*READY	RDY, TRACK 1, FWD, TIC *1640.13 +/-	400	4	0	5,794,403:17:8	
1009	0	331	06:32:26.666		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 1640.13 +/-	400	4	0	5,794,810:00:0	
1010	0	331	06:32:26.666	411KP6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,794,810:00:0	
1011	0	331	06:32:33.333		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 1640.13 +/-	400	4	0	5,794,810:10:0	
1012	0	331	06:32:34.733		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC *1640.25 +/-	400	4	0	5,794,810:12:1	
1013	0	331	06:32:34.733		DMS:	:*AT_SPD	R7, TRACK 1, FWD, TIC 1640.25 +/-	400	4	0	5,794,810:12:1	
1014	0	331	06:32:36.666	411KP6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,794,810:15:0	
1015	0	331	06:34:38.000	411KP6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,794,812:15:0	
1016	0	331	06:34:38.666	411KP6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,794,812:16:0	
1017	0	331	06:34:38.666		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC *1669.30 +/-	400	4	0	5,794,812:16:0	
1018	0	331	06:34:39.866		DMS:	:*READY	RDY, TRACK 1, FWD, TIC *1669.36 +/-	400	4	0	5,794,812:17:8	
1019	0	331	09:31:27.333	488DX6A	6TMSED	NORM,AL4	Sci, Eng. and D/L Chan	400	4	0	5,794,987:04:0	
1020	0	331	09:43:04.000	488DX6B	6TMSED	NORM,AL5	Sci, Eng. and D/L Chan	400	4	0	5,794,998:48:0	
1021	0	331	10:38:20.666	488DX6C	6TMSED	FILL,AL5	Sci, Eng. and D/L Chan	400	4	0	5,795,053:18:0	
1022	0	331	11:07:26.666	488DX6D	6TMSED	NORM,AL5	Sci, Eng. and D/L Chan	400	4	0	5,795,081:89:0	
1023	0	331	12:08:08.000	488DX6E	6TMSED	NORM,AL6	Sci, Eng. and D/L Chan	400	4	0	5,795,142:00:0	
1024	0	331	14:28:56.000	488DY6A	6TMSED	NORM,AL5	Sci, Eng. and D/L Chan	400	4	0	5,795,281:23:0	
1025	0	331	17:00:24.000	488DY6B	6TMSED	NORM,AL4	Sci, Eng. and D/L Chan	400	4	0	5,795,431:05:0	
1026	0	331	17:12:48.000	488DY6C	6TMSED	FILL,AL4	Sci, Eng. and D/L Chan	400	4	0	5,795,443:29:0	
1027	0	331	17:21:44.000	488DY6D	6TMSED	FILL,AL6	Sci, Eng. and D/L Chan	400	4	0	5,795,452:14:0	
1028	0	332	00:05:00.666	411KQ6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,795,851:00:0	
1029	0	332	00:05:00.666		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 1669.36 +/-	400	4	0	5,795,851:00:0	
1030	0	332	00:05:07.333		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 1669.36 +/-	400	4	0	5,795,851:10:0	
1031	0	332	00:05:08.733		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC *1669.48 +/-	400	4	0	5,795,851:12:1	
1032	0	332	00:05:08.733		DMS:	:*AT_SPD	R7, TRACK 1, FWD, TIC 1669.48 +/-	400	4	0	5,795,851:12:1	
1033	0	332	00:05:10.666	411KQ6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,795,851:15:0	
1034	0	332	00:07:12.000	411KQ6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,795,853:15:0	
1035	0	332	00:07:12.666	411KQ6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,795,853:16:0	
1036	0	332	00:07:12.666		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC *1698.53 +/-	400	4	0	5,795,853:16:0	
1037	0	332	00:07:13.866		DMS:	:*READY	RDY, TRACK 1, FWD, TIC *1698.59 +/-	400	4	0	5,795,853:17:8	
1038	0	332	06:58:33.333		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 1698.59 +/-	400	4	0	5,796,260:00:0	
1039	0	332	06:58:33.333	411KR6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,796,260:00:0	
1040	0	332	06:58:40.000		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 1698.59 +/-	400	4	0	5,796,260:10:0	
1041	0	332	06:58:41.400		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC *1698.71 +/-	400	4	0	5,796,260:12:1	
1042	0	332	06:58:41.400		DMS:	:*AT_SPD	R7, TRACK 1, FWD, TIC 1698.71 +/-	400	4	0	5,796,260:12:1	
1043	0	332	06:58:43.333	411KR6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,796,260:15:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1044	0	332	07:00:44.666	411KR6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,796,262:15:0	
1045	0	332	07:00:45.333		DMS:	: *RUNDOWN	R7, TRACK 1, FWD, TIC *1727.75 +/-	400	4	0	5,796,262:16:0	
1046	0	332	07:00:45.333	411KR6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,796,262:16:0	
1047	0	332	07:00:46.533		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1727.81 +/-	400	4	0	5,796,262:17:8	
1048	0	332	07:14:44.000		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1727.81 +/-	400	4	0	5,796,276:00:0	
1049	0	332	07:14:44.000		DMS:	: *SLEW-TIC	P7, TRACK *2, *REV, TIC 1727.81 +/-	400	4	0	5,796,276:00:0	
1050	0	332	07:14:44.000	465JB6A	6DMST		216 DMS Slew to TIC	400	4	0	5,796,276:00:0	
1051	0	332	07:14:45.400		DMS:	: *US, AT, SP	P7, TRACK 1, FWD, TIC *1727.93 +/-	400	4	0	5,796,276:02:1	
1052	0	332	07:14:50.666		DMS:	: *US, RD	P7, TRACK 1, FWD, TIC *1729.17 +/-	400	4	0	5,796,276:10:0	
1053	0	332	07:14:51.866		DMS:	: *RUNUP	P7, TRACK *2, *REV, TIC *1729.23 +/-	400	4	0	5,796,276:11:8	
1054	0	332	07:14:53.266		DMS:	: *AT, SPD	P7, TRACK 2, REV, TIC *1729.11 +/-	400	4	0	5,796,276:13:9	
1055	0	332	09:02:19.466		DMS:	: *RUNDOWN	P7, TRACK 2, REV, TIC *218.06 +/-	400	4	0	5,796,382:37:2	
1056	0	332	09:02:20.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC *218.00 +/-	400	4	0	5,796,382:39:0	
1057	0	332	11:27:04.000	20WG4A	7SAFE	STOP	S/P NO MOVEMENT	400	4	0	5,796,525:51:0	
1058	0	332	11:27:54.000	20WG4B	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5,796,526:35:0	
1059	0	332	11:28:47.333	488DZ6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,796,527:24:0	
1060	0	332	11:29:32.000	176WG6A	6TMREC	IPB	INITIATE PLAYBACK (PB CONTROL) Record Mod	400	4	0	5,796,528:00:0	
1061	0	332	11:53:12.000	488DZ6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	400	4	0	5,796,551:37:0	
1062	0	332	14:39:35.933	488DZ6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,796,715:89:0	
1063	0	332	16:53:59.933	488DZ6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,796,848:82:0	
1064	0	332	17:13:45.266	488DZ6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,796,868:40:0	
1065	0	332	17:15:19.933	488EA6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,796,870:00:0	
1066	0	332	17:23:51.933	488EA6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,796,878:40:0	
1067	0	332	20:43:47.266	488EA6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,797,076:15:0	
1068	0	332	21:50:33.266	418KS6B	6BUFHI		6 MUB Buffer high water	400	4	0	5,797,142:18:0	
1069	0	332	21:50:33.266	418KS6A	6BUFLO		2 MUB Buffer low water m	400	4	0	5,797,142:18:0	
1070	0	333	04:33:43.933	488EB6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,797,540:86:0	
1071	0	333	05:05:33.266	488EB6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,797,572:38:0	
1072	0	333	05:12:07.933	488EB6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,797,578:84:0	
1073	0	333	09:13:45.933	488EB6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,797,817:82:0	
1074	0	333	12:25:11.933	488EC6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,798,007:21:0	
1075	0	333	12:50:14.600	176KS6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	400	4	0	5,798,032:00:0	
1076	0	333	12:55:17.933		DMS:	: *SLEW-TIC	P7, TRACK *1, *FWD, TIC 218.00 +/-	400	4	0	5,798,037:00:0	
1077	0	333	12:55:17.933		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 218.00 +/-	400	4	0	5,798,037:00:0	
1078	0	333	12:55:17.933	465KS6A	6DMST		1737 DMS Slew to TIC	400	4	0	5,798,037:00:0	
1079	0	333	12:55:24.600		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 218.00 +/-	400	4	0	5,798,037:10:0	
1080	0	333	12:55:26.000		DMS:	: *AT, SPD	P7, TRACK 1, FWD, TIC *218.12 +/-	400	4	0	5,798,037:12:1	
1081	0	333	13:00:33.266	488EC6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,798,042:18:0	
1082	0	333	13:07:51.933	488EC6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,798,049:39:0	
1083	0	333	14:43:16.733		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *1734.94 +/-	400	4	0	5,798,143:72:2	
1084	0	333	14:43:17.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1735.00 +/-	400	4	0	5,798,143:74:0	
1085	0	333	17:08:04.600	411KS6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,798,287:00:0	
1086	0	333	17:08:04.600		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1735.00 +/-	400	4	0	5,798,287:00:0	
1087	0	333	17:08:11.266		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1735.00 +/-	400	4	0	5,798,287:10:0	
1088	0	333	17:08:12.666		DMS:	: *AT, SPD	R7, TRACK 1, FWD, TIC 1735.12 +/-	400	4	0	5,798,287:12:1	
1089	0	333	17:08:12.666		DMS:	: *RECORD	R7, TRACK 1, FWD, TIC *1735.12 +/-	400	4	0	5,798,287:12:1	
1090	0	333	17:08:14.600	411KS6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP to TAPE Record Mode	400	4	0	5,798,287:15:0	
1091	0	333	17:10:15.933	411KS6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,798,289:15:0	
1092	0	333	17:10:16.600		DMS:	: *RUNDOWN	R7, TRACK 1, FWD, TIC *1764.17 +/-	400	4	0	5,798,289:16:0	
1093	0	333	17:10:16.600	411KS6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,798,289:16:0	
1094	0	333	17:10:17.800		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1764.23 +/-	400	4	0	5,798,289:17:8	
1095	0	333	18:50:23.933	20LP4A	7SAFE	STOP	S/P NO MOVEMENT	400	4	0	5,798,388:18:0	
1096	0	333	18:51:13.933	20LP4B	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5,798,389:02:0	
1097	0	333	18:53:13.933	176LP6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	400	4	0	5,798,391:00:0	
1098	0	333	21:48:45.933	488ED6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,798,564:55:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1099	0	334	04:29:27.866	488EE6A	6TMSED	NORM,AL5	Sci, Eng. and D/L Chan	400	4	0	5,798,960:82:0	
1100	0	334	04:59:19.866	488EE6B	6TMSED	NORM,AL6	Sci, Eng. and D/L Chan	400	4	0	5,798,990:40:0	
1101	0	334	06:09:43.866	488EE6C	6TMSED	FILL,AL6	Sci, Eng. and D/L Chan	400	4	0	5,799,060:06:0	
1102	0	334	06:36:33.200	488EE6D	6TMSED	NORM,AL6	Sci, Eng. and D/L Chan	400	4	0	5,799,086:54:0	
1103	0	334	11:14:47.866	488EF6A	6TMSED	NORM,AL5	Sci, Eng. and D/L Chan	400	4	0	5,799,361:71:0	
1104	0	334	12:31:51.866	176KT6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	400	4	0	5,799,438:00:0	
1105	0	334	12:36:55.200		DMS:	:*SLEW-TIC	P7, TRACK 1, FWD, TIC 1764.23 +/-	400	4	0	5,799,443:00:0	
1106	0	334	12:36:55.200		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 1764.23 +/-	400	4	0	5,799,443:00:0	
1107	0	334	12:36:55.200	465KT6A	6DMST		1770 DMS Slew to TIC	400	4	0	5,799,443:00:0	
1108	0	334	12:37:01.866		DMS:	:*RUNUP	P7, TRACK 1, FWD, TIC 1764.23 +/-	400	4	0	5,799,443:10:0	
1109	0	334	12:37:03.266		DMS:	:*AT_SPD	P7, TRACK 1, FWD, TIC *1764.35 +/-	400	4	0	5,799,443:12:1	
1110	0	334	12:37:17.333		DMS:	:*RUNDOWN	P7, TRACK 1, FWD, TIC *1767.94 +/-	400	4	0	5,799,443:33:2	
1111	0	334	12:37:18.533		DMS:	:*READY	RDY, TRACK 1, FWD, TIC *1768.00 +/-	400	4	0	5,799,443:35:0	
1112	0	334	12:40:07.866	488EF6B	6TMSED	NORM,AL4	Sci, Eng. and D/L Chan	400	4	0	5,799,446:16:0	
1113	0	334	12:42:47.200	488EF6C	6TMSED	FILL,AL4	Sci, Eng. and D/L Chan	400	4	0	5,799,448:73:0	
1114	0	334	16:49:41.866	411KT6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,799,693:00:0	
1115	0	334	16:49:41.866		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 1768.00 +/-	400	4	0	5,799,693:00:0	
1116	0	334	16:49:48.533		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 1768.00 +/-	400	4	0	5,799,693:10:0	
1117	0	334	16:49:49.933		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC *1768.12 +/-	400	4	0	5,799,693:12:1	
1118	0	334	16:49:49.933		DMS:	:*AT_SPD	R7, TRACK 1, FWD, TIC 1768.12 +/-	400	4	0	5,799,693:12:1	
1119	0	334	16:49:51.866	411KT6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,799,693:15:0	
1120	0	334	16:51:53.200	411KT6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,799,695:15:0	
1121	0	334	16:51:53.866		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC *1797.17 +/-	400	4	0	5,799,695:16:0	
1122	0	334	16:51:53.866	411KT6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,799,695:16:0	
1123	0	334	16:51:55.066		DMS:	:*READY	RDY, TRACK 1, FWD, TIC *1797.23 +/-	400	4	0	5,799,695:17:8	
1124	0	334	16:55:37.866	20LQ4A	7SAFE	STOP	SIP NO MOVEMENT	400	4	0	5,799,698:79:0	
1125	0	334	16:56:27.866	20LQ4B	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5,799,699:63:0	
1126	0	334	16:57:47.200	176LQ6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	400	4	0	5,799,701:00:0	
1127	0	334	17:01:26.533	488EF6D	6TMSED	NORM,AL4	Sci, Eng. and D/L Chan	400	4	0	5,799,704:56:0	
1128	0	334	17:13:11.866	488EF6E	6TMSED	NORM,AL5	Sci, Eng. and D/L Chan	400	4	0	5,799,716:22:0	
1129	0	334	18:12:55.866	488EG6A	6TMSED	NORM,AL6	Sci, Eng. and D/L Chan	400	4	0	5,799,775:29:0	
1130	0	335	02:11:56.533	488EH6A	6TMSED	FILL,AL6	Sci, Eng. and D/L Chan	400	4	0	5,800,249:06:0	
1131	0	335	04:28:45.200	488EH6B	6TMSED	NORM,AL6	Sci, Eng. and D/L Chan	400	4	0	5,800,384:34:0	
1132	0	335	05:39:44.533	488EH6C	6TMSED	FILL,AL6	Sci, Eng. and D/L Chan	400	4	0	5,800,454:53:0	
1133	0	335	06:06:34.533	488EH6D	6TMSED	NORM,AL6	Sci, Eng. and D/L Chan	400	4	0	5,800,481:11:0	
1134	0	335	11:04:07.800	488EI6A	6TMSED	NORM,AL5	Sci, Eng. and D/L Chan	400	4	0	5,800,775:37:0	
1135	0	335	12:32:41.800	176KU6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	400	4	0	5,800,863:00:0	
1136	0	335	12:33:43.800	488EI6B	6TMSED	NORM,AL4	Sci, Eng. and D/L Chan	400	4	0	5,800,864:02:0	
1137	0	335	12:37:45.133		DMS:	:*SLEW-TIC	P7, TRACK 1, FWD, TIC 1797.23 +/-	400	4	0	5,800,868:00:0	
1138	0	335	12:37:45.133		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 1797.23 +/-	400	4	0	5,800,868:00:0	
1139	0	335	12:37:45.133	465KU6A	6DMST		1803 DMS Slew to TIC	400	4	0	5,800,868:00:0	
1140	0	335	12:37:51.800		DMS:	:*RUNUP	P7, TRACK 1, FWD, TIC 1797.23 +/-	400	4	0	5,800,868:10:0	
1141	0	335	12:37:53.200		DMS:	:*AT_SPD	P7, TRACK 1, FWD, TIC *1797.35 +/-	400	4	0	5,800,868:12:1	
1142	0	335	12:38:07.266		DMS:	:*RUNDOWN	P7, TRACK 1, FWD, TIC *1800.94 +/-	400	4	0	5,800,868:33:2	
1143	0	335	12:38:08.466		DMS:	:*READY	RDY, TRACK 1, FWD, TIC *1801.00 +/-	400	4	0	5,800,868:35:0	
1144	0	335	12:42:46.466	488EI6C	6TMSED	FILL,AL4	Sci, Eng. and D/L Chan	400	4	0	5,800,872:88:0	
1145	0	335	12:52:55.800	488EI6D	6TMSED	FILL,AL6	Sci, Eng. and D/L Chan	400	4	0	5,800,883:01:0	
1146	0	335	16:50:31.800	411KU6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,801,118:00:0	
1147	0	335	16:50:31.800		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 1801.00 +/-	400	4	0	5,801,118:00:0	
1148	0	335	16:50:38.466		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 1801.00 +/-	400	4	0	5,801,118:10:0	
1149	0	335	16:50:39.866		DMS:	:*AT_SPD	R7, TRACK 1, FWD, TIC 1801.12 +/-	400	4	0	5,801,118:12:1	
1150	0	335	16:50:39.866		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC *1801.12 +/-	400	4	0	5,801,118:12:1	
1151	0	335	16:50:41.800	411KU6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,801,118:15:0	
1152	0	335	16:52:43.133	411KU6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,801,120:15:0	
1153	0	335	16:52:43.800	411KU6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,801,120:16:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1154	0	335	16:52:43.800		DMS:	: *RUNDOWN	R7, TRACK 1, FWD, TIC *1830.17 +/-	400	4	0	5,801,120:16:0	
1155	0	335	16:52:45.000		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1830.23 +/-	400	4	0	5,801,120:17:8	
1156	0	335	16:55:37.133	20LR4A	7SAFE	STOP	S/P NO MOVEMENT	400	4	0	5,801,123:03:0	
1157	0	335	16:56:27.133	20LR4B	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5,801,123:78:0	
1158	0	335	16:57:36.466	176LR6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	400	4	0	5,801,125:00:0	
1159	0	335	20:13:45.133	488EJ6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,801,318:90:0	
1160	0	336	04:18:47.800	488EK6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,801,798:64:0	
1161	0	336	05:04:35.800	176KV6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	400	4	0	5,801,844:00:0	
1162	0	336	05:09:39.133	465KV6A	6DMST		1836 DMS Slew to TIC	400	4	0	5,801,849:00:0	
1163	0	336	05:09:39.133		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1830.23 +/-	400	4	0	5,801,849:00:0	
1164	0	336	05:09:39.133		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 1830.23 +/-	400	4	0	5,801,849:00:0	
1165	0	336	05:09:45.800		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 1830.23 +/-	400	4	0	5,801,849:10:0	
1166	0	336	05:09:47.200		DMS:	: *AT SPD	P7, TRACK 1, FWD, TIC *1830.35 +/-	400	4	0	5,801,849:12:1	
1167	0	336	05:10:01.266		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *1833.94 +/-	400	4	0	5,801,849:33:2	
1168	0	336	05:10:02.466		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1834.00 +/-	400	4	0	5,801,849:35:0	
1169	0	336	05:15:32.466	488EK6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,801,854:75:0	
1170	0	336	05:22:47.800	488EK6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,801,862:00:0	
1171	0	336	09:22:25.800		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1834.00 +/-	400	4	0	5,802,099:00:0	
1172	0	336	09:22:25.800	411KV6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,802,099:00:0	
1173	0	336	09:22:32.466		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1834.00 +/-	400	4	0	5,802,099:10:0	
1174	0	336	09:22:33.866		DMS:	: *AT SPD	R7, TRACK 1, FWD, TIC 1834.12 +/-	400	4	0	5,802,099:12:1	
1175	0	336	09:22:33.866		DMS:	: *RECORD	R7, TRACK 1, FWD, TIC *1834.12 +/-	400	4	0	5,802,099:12:1	
1176	0	336	09:22:35.800	411KV6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,802,099:15:0	
1177	0	336	09:24:37.133	411KV6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,802,101:15:0	
1178	0	336	09:24:37.800	411KV6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,802,101:16:0	
1179	0	336	09:24:37.800		DMS:	: *RUNDOWN	R7, TRACK 1, FWD, TIC *1863.17 +/-	400	4	0	5,802,101:16:0	
1180	0	336	09:24:39.000		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1863.23 +/-	400	4	0	5,802,101:17:8	
1181	0	336	16:45:17.800	411KW6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,802,537:00:0	
1182	0	336	16:45:17.800		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1863.23 +/-	400	4	0	5,802,537:00:0	
1183	0	336	16:45:24.466		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1863.23 +/-	400	4	0	5,802,537:10:0	
1184	0	336	16:45:25.866		DMS:	: *RECORD	R7, TRACK 1, FWD, TIC *1863.35 +/-	400	4	0	5,802,537:12:1	
1185	0	336	16:45:25.866		DMS:	: *AT SPD	R7, TRACK 1, FWD, TIC 1863.35 +/-	400	4	0	5,802,537:12:1	
1186	0	336	16:45:27.800	411KW6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,802,537:15:0	
1187	0	336	16:47:29.133	411KW6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,802,539:15:0	
1188	0	336	16:47:29.800	411KW6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,802,539:16:0	
1189	0	336	16:47:29.800		DMS:	: *RUNDOWN	R7, TRACK 1, FWD, TIC *1892.39 +/-	400	4	0	5,802,539:16:0	
1190	0	336	16:47:31.000		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1892.45 +/-	400	4	0	5,802,539:17:8	
1191	0	336	18:27:50.466	20LS4A	7SAFE	STOP	S/P NO MOVEMENT	400	4	0	5,802,638:38:0	
1192	0	336	18:28:40.466	20LS4B	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5,802,639:22:0	
1193	0	336	18:30:27.133	176LS6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	400	4	0	5,802,641:00:0	
1194	0	336	21:03:44.400	488EL6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,802,792:55:0	
1195	0	336	22:14:45.733	488EL6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,802,862:77:0	
1196	0	336	22:41:35.066	488EL6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,802,889:34:0	
1197	0	337	01:53:43.733	488EL6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,803,079:37:0	
1198	0	337	03:33:25.066	176UG6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	400	4	0	5,803,178:00:0	
1199	0	337	03:38:59.733	20UU4B	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5,803,183:47:0	
1200	0	337	03:39:57.733	20UU4D	7MODE	SPNL	AACS ALL-SPIN LOW	400	4	0	5,803,184:46:0	
1201	0	337	03:41:59.733	20UU4E	7SAFE	UNSTOW	S/P TO 153 deg cone	400	4	0	5,803,186:44:0	
1202	0	337	03:47:29.733	20UU4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	400	4	0	5,803,191:84:0	
1203	0	337	03:47:30.400	20UU4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	400	4	0	5,803,191:85:0	
1204	0	337	03:47:50.400	20UU4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	400	4	0	5,803,192:24:0	
1205	0	337	03:47:51.066	20UU4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	400	4	0	5,803,192:25:0	
1206	0	337	03:48:11.066	20UU4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	400	4	0	5,803,192:55:0	
1207	0	337	03:48:11.733	20UU4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	400	4	0	5,803,192:56:0	
1208	0	337	03:48:21.733	20UU4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	400	4	0	5,803,192:71:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1209	0	337	03:48:22.400	20UU4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	400	4	0	5,803,192:72:0	
1210	0	337	03:48:32.400	20UU4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	400	4	0	5,803,192:87:0	
1211	0	337	03:48:33.066	20UU4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	400	4	0	5,803,192:88:0	
1212	0	337	03:50:19.733	20UU4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	400	4	0	5,803,194:66:0	
1213	0	337	03:50:20.400	20UU4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	400	4	0	5,803,194:67:0	
1214	0	337	03:50:40.400	20UU4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	400	4	0	5,803,195:06:0	
1215	0	337	03:50:41.066	20UU4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	400	4	0	5,803,195:07:0	
1216	0	337	03:51:01.066	20UU4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	400	4	0	5,803,195:37:0	
1217	0	337	03:51:01.733	20UU4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	400	4	0	5,803,195:38:0	
1218	0	337	03:51:11.733	20UU4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	400	4	0	5,803,195:53:0	
1219	0	337	03:51:12.400	20UU4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	400	4	0	5,803,195:54:0	
1220	0	337	03:51:22.400	20UU4AG	7VENT	1.211,1.333,9	ALERT -- Thruster fire	400	4	0	5,803,195:69:0	
1221	0	337	03:51:23.066	20UU4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	400	4	0	5,803,195:70:0	
1222	0	337	03:52:19.733	20UU4Z	7MODE	CRU	AACS CRUISE MODE	400	4	0	5,803,196:64:0	
1223	0	337	04:11:59.066	432PH431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	400	4	0	5,803,216:13:0	
1224	0	337	04:11:59.733	432PH6A	6RTSL1		R/T Select of DDS and	400	4	0	5,803,216:14:0	
1225	0	337	04:17:03.733	20UG4A	7SAFE	STOP	S/P NO MOVEMENT	400	4	0	5,803,221:15:0	
1226	0	337	04:17:53.733	20UG4B	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5,803,221:90:0	
1227	0	337	04:19:55.733	176UH6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	400	4	0	5,803,224:00:0	
1228	0	337	04:42:10.400	176KW6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	400	4	0	5,803,246:00:0	
1229	0	337	04:44:23.733	488EM6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,803,248:18:0	
1230	0	337	04:47:13.733	465KW6A	6DMST		1900 DMS Slew to TIC	400	4	0	5,803,251:00:0	
1231	0	337	04:47:13.733		DMS:	::*SLEW-TIC	P7, TRACK 1, FWD, TIC 1892.45 +/-	400	4	0	5,803,251:00:0	
1232	0	337	04:47:13.733		DMS:	::*E4-DELAY	RDY, TRACK 1, FWD, TIC 1892.45 +/-	400	4	0	5,803,251:00:0	
1233	0	337	04:47:20.400		DMS:	::*RUNUP	P7, TRACK 1, FWD, TIC 1892.45 +/-	400	4	0	5,803,251:10:0	
1234	0	337	04:47:21.800		DMS:	::*AT SPD	P7, TRACK 1, FWD, TIC *1892.57 +/-	400	4	0	5,803,251:12:1	
1235	0	337	04:47:43.866		DMS:	::*RUNDOWN	P7, TRACK 1, FWD, TIC *1897.94 +/-	400	4	0	5,803,251:45:2	
1236	0	337	04:47:45.066		DMS:	::*READY	RDY, TRACK 1, FWD, TIC *1898.00 +/-	400	4	0	5,803,251:47:0	
1237	0	337	04:52:45.066	488EM6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,803,256:42:0	
1238	0	337	05:01:27.733	488EM6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,803,265:07:0	
1239	0	337	09:00:00.400	411KX6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,803,501:00:0	
1240	0	337	09:00:00.400		DMS:	::*E4-DELAY	RDY, TRACK 1, FWD, TIC 1898.00 +/-	400	4	0	5,803,501:00:0	
1241	0	337	09:00:07.066		DMS:	::*RUNUP	R7, TRACK 1, FWD, TIC 1898.00 +/-	400	4	0	5,803,501:10:0	
1242	0	337	09:00:08.466		DMS:	::*RECORD	R7, TRACK 1, FWD, TIC *1898.12 +/-	400	4	0	5,803,501:12:1	
1243	0	337	09:00:08.466		DMS:	::*AT SPD	R7, TRACK 1, FWD, TIC 1898.12 +/-	400	4	0	5,803,501:12:1	
1244	0	337	09:00:10.400	411KX6B	6TMREC	BTD	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,803,501:15:0	
1245	0	337	09:02:11.733	411KX6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,803,503:15:0	
1246	0	337	09:02:12.400		DMS:	::*RUNDOWN	R7, TRACK 1, FWD, TIC *1927.17 +/-	400	4	0	5,803,503:16:0	
1247	0	337	09:02:12.400	411KX6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,803,503:16:0	
1248	0	337	09:02:13.600		DMS:	::*READY	RDY, TRACK 1, FWD, TIC *1927.23 +/-	400	4	0	5,803,503:17:8	
1249	0	337	16:22:52.400		DMS:	::*E4-DELAY	RDY, TRACK 1, FWD, TIC 1927.23 +/-	400	4	0	5,803,939:00:0	
1250	0	337	16:22:52.400	411KY6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,803,939:00:0	
1251	0	337	16:22:59.066		DMS:	::*RUNUP	R7, TRACK 1, FWD, TIC 1927.23 +/-	400	4	0	5,803,939:10:0	
1252	0	337	16:23:00.466		DMS:	::*RECORD	R7, TRACK 1, FWD, TIC *1927.35 +/-	400	4	0	5,803,939:12:1	
1253	0	337	16:23:00.466		DMS:	::*AT SPD	R7, TRACK 1, FWD, TIC 1927.35 +/-	400	4	0	5,803,939:12:1	
1254	0	337	16:23:02.400	411KY6B	6TMREC	BTD	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,803,939:15:0	
1255	0	337	16:25:03.733	411KY6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,803,941:15:0	
1256	0	337	16:25:04.400	411KY6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,803,941:16:0	
1257	0	337	16:25:04.400		DMS:	::*RUNDOWN	R7, TRACK 1, FWD, TIC *1956.39 +/-	400	4	0	5,803,941:16:0	
1258	0	337	16:25:05.600		DMS:	::*READY	RDY, TRACK 1, FWD, TIC *1956.45 +/-	400	4	0	5,803,941:17:8	
1259	0	337	16:28:03.733	20LT4A	7SAFE	STOP	S/P NO MOVEMENT	400	4	0	5,803,944:12:0	
1260	0	337	16:28:53.733	20LT4B	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5,803,944:87:0	
1261	0	337	16:30:57.733	176LT6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	400	4	0	5,803,947:00:0	
1262	0	337	18:58:43.066	488EN6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,804,093:12:0	
1263	0	338	04:03:51.733	488EO6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,804,632:26:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1264	0	338	04:39:58.400	176KX6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	400	4	0	5,804,668:00:0	
1265	0	338	04:45:01.733		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 1956.45 +/-	400	4	0	5,804,673:00:0	
1266	0	338	04:45:01.733		DMS:	:*SLEW-TIC	P7, TRACK 1, FWD, TIC 1956.45 +/-	400	4	0	5,804,673:00:0	
1267	0	338	04:45:01.733	465KX6A	6DMST		1964 DMS Slew to TIC	400	4	0	5,804,673:00:0	
1268	0	338	04:45:08.400		DMS:	:*RUNUP	P7, TRACK 1, FWD, TIC 1956.45 +/-	400	4	0	5,804,673:10:0	
1269	0	338	04:45:09.800		DMS:	:*AT SPD	P7, TRACK 1, FWD, TIC *1956.57 +/-	400	4	0	5,804,673:12:1	
1270	0	338	04:45:31.866		DMS:	:*RUNDOWN	P7, TRACK 1, FWD, TIC *1961.94 +/-	400	4	0	5,804,673:45:2	
1271	0	338	04:45:33.066		DMS:	:*READY	RDY, TRACK 1, FWD, TIC *1962.00 +/-	400	4	0	5,804,673:47:0	
1272	0	338	04:50:30.400	488EO6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,804,678:38:0	
1273	0	338	04:57:11.733	488EO6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,804,685:03:0	
1274	0	338	08:57:48.333	411KZ6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,804,923:00:0	
1275	0	338	08:57:48.333		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 1962.00 +/-	400	4	0	5,804,923:00:0	
1276	0	338	08:57:55.000		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 1962.00 +/-	400	4	0	5,804,923:10:0	
1277	0	338	08:57:56.400		DMS:	:*AT SPD	R7, TRACK 1, FWD, TIC 1962.12 +/-	400	4	0	5,804,923:12:1	
1278	0	338	08:57:56.400		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC *1962.12 +/-	400	4	0	5,804,923:12:1	
1279	0	338	08:57:58.333	411KZ6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,804,923:15:0	
1280	0	338	08:59:59.666	411KZ6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,804,925:15:0	
1281	0	338	09:00:00.333		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC *1991.17 +/-	400	4	0	5,804,925:16:0	
1282	0	338	09:00:00.333	411KZ6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,804,925:16:0	
1283	0	338	09:00:01.533		DMS:	:*READY	RDY, TRACK 1, FWD, TIC *1991.23 +/-	400	4	0	5,804,925:17:8	
1284	0	338	16:20:40.333		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 1991.23 +/-	400	4	0	5,805,361:00:0	
1285	0	338	16:20:40.333	411LA6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,805,361:00:0	
1286	0	338	16:20:47.000		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 1991.23 +/-	400	4	0	5,805,361:10:0	
1287	0	338	16:20:48.400		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC *1991.35 +/-	400	4	0	5,805,361:12:1	
1288	0	338	16:20:48.400		DMS:	:*AT SPD	R7, TRACK 1, FWD, TIC 1991.35 +/-	400	4	0	5,805,361:12:1	
1289	0	338	16:20:50.333	411LA6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,805,361:15:0	
1290	0	338	16:22:51.666	411LA6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,805,363:15:0	
1291	0	338	16:22:52.333	411LA6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,805,363:16:0	
1292	0	338	16:22:52.333		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC *2020.39 +/-	400	4	0	5,805,363:16:0	
1293	0	338	16:22:53.533		DMS:	:*READY	RDY, TRACK 1, FWD, TIC *2020.45 +/-	400	4	0	5,805,363:17:8	
1294	0	338	18:02:49.000	20LU4A	7SAFE	STOP	SIP NO MOVEMENT	400	4	0	5,805,462:02:0	
1295	0	338	18:03:39.000	20LU4B	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5,805,462:77:0	
1296	0	338	18:04:49.000	176LU6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	400	4	0	5,805,464:00:0	
1297	0	338	20:28:42.333	488EP6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,805,606:28:0	
1298	0	339	11:48:55.666	488EQ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,806,516:38:0	
1299	0	339	12:19:51.000	176KY6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	400	4	0	5,806,547:00:0	
1300	0	339	12:24:54.333	465KY6A	6DMST		2028 DMS Slew to TIC	400	4	0	5,806,552:00:0	
1301	0	339	12:24:54.333		DMS:	:*SLEW-TIC	P7, TRACK 1, FWD, TIC 2020.45 +/-	400	4	0	5,806,552:00:0	
1302	0	339	12:24:54.333		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 2020.45 +/-	400	4	0	5,806,552:00:0	
1303	0	339	12:25:01.000		DMS:	:*RUNUP	P7, TRACK 1, FWD, TIC 2020.45 +/-	400	4	0	5,806,552:10:0	
1304	0	339	12:25:02.400		DMS:	:*AT SPD	P7, TRACK 1, FWD, TIC *2020.57 +/-	400	4	0	5,806,552:12:1	
1305	0	339	12:25:24.466		DMS:	:*RUNDOWN	P7, TRACK 1, FWD, TIC *2025.94 +/-	400	4	0	5,806,552:45:2	
1306	0	339	12:25:25.666		DMS:	:*READY	RDY, TRACK 1, FWD, TIC *2026.00 +/-	400	4	0	5,806,552:47:0	
1307	0	339	12:30:28.333	488EQ6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,806,557:46:0	
1308	0	339	16:37:40.933		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 2026.00 +/-	400	4	0	5,806,802:00:0	
1309	0	339	16:37:40.933	411LB6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,806,802:00:0	
1310	0	339	16:37:47.600		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 2026.00 +/-	400	4	0	5,806,802:10:0	
1311	0	339	16:37:49.000		DMS:	:*AT SPD	R7, TRACK 1, FWD, TIC 2026.12 +/-	400	4	0	5,806,802:12:1	
1312	0	339	16:37:49.000		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC *2026.12 +/-	400	4	0	5,806,802:12:1	
1313	0	339	16:37:50.933	411LB6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,806,802:15:0	
1314	0	339	16:39:52.266	411LB6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,806,804:15:0	
1315	0	339	16:39:52.933		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC *2055.17 +/-	400	4	0	5,806,804:16:0	
1316	0	339	16:39:52.933	411LB6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,806,804:16:0	
1317	0	339	16:39:54.133		DMS:	:*READY	RDY, TRACK 1, FWD, TIC *2055.23 +/-	400	4	0	5,806,804:17:8	
1318	0	339	18:20:18.933	20LV4A	7SAFE	STOP	SIP NO MOVEMENT	400	4	0	5,806,903:46:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1319	0	339	18:21:08.933	20LV4B	7SLEW	DIS,POS:0.0	Stator movement	400	4	0	5,806,904:30:0	
1320	0	339	18:22:50.266	176LV6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	400	4	0	5,806,906:00:0	
1321	0	339	20:29:34.933	488ER6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,807,031:32:0	
1322	0	339	21:01:27.600	488ER6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,807,062:80:0	
1323	0	339	21:39:49.600	488ER6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,807,100:75:0	
1324	0	339	22:06:38.933	488ER6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,807,127:32:0	
1325	0	340	00:49:43.600	488ER6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,807,288:58:0	
1326	0	340	04:25:11.600	488ES6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,807,501:67:0	
1327	0	340	04:46:41.600	176KZ6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	400	4	0	5,807,523:00:0	
1328	0	340	04:51:44.933	465KZ6A	6DMST		2061 DMS Slew to TIC	400	4	0	5,807,528:00:0	
1329	0	340	04:51:44.933		DMS:	::*SLEW-TIC	P7, TRACK 1, FWD, TIC 2055.23 +/-	400	4	0	5,807,528:00:0	
1330	0	340	04:51:44.933		DMS:	::*E4-DELAY	RDY, TRACK 1, FWD, TIC 2055.23 +/-	400	4	0	5,807,528:00:0	
1331	0	340	04:51:51.600		DMS:	::*RUNUP	P7, TRACK 1, FWD, TIC 2055.23 +/-	400	4	0	5,807,528:10:0	
1332	0	340	04:51:53.000		DMS:	::*AT SPD	P7, TRACK 1, FWD, TIC *2055.35 +/-	400	4	0	5,807,528:12:1	
1333	0	340	04:52:07.066		DMS:	::*RUNDOWN	P7, TRACK 1, FWD, TIC *2058.94 +/-	400	4	0	5,807,528:33:2	
1334	0	340	04:52:08.266		DMS:	::*READY	RDY, TRACK 1, FWD, TIC *2059.00 +/-	400	4	0	5,807,528:35:0	
1335	0	340	04:57:40.933	488ES6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,807,533:79:0	
1336	0	340	05:07:51.600	488ES6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,807,543:85:0	
1337	0	340	09:04:31.600		DMS:	::*E4-DELAY	RDY, TRACK 1, FWD, TIC 2059.00 +/-	400	4	0	5,807,778:00:0	
1338	0	340	09:04:31.600	411LC6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,807,778:00:0	
1339	0	340	09:04:38.266		DMS:	::*RUNUP	R7, TRACK 1, FWD, TIC 2059.00 +/-	400	4	0	5,807,778:10:0	
1340	0	340	09:04:39.666		DMS:	::*RECORD	R7, TRACK 1, FWD, TIC *2059.12 +/-	400	4	0	5,807,778:12:1	
1341	0	340	09:04:39.666		DMS:	::*AT SPD	R7, TRACK 1, FWD, TIC 2059.12 +/-	400	4	0	5,807,778:12:1	
1342	0	340	09:04:41.600	411LC6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,807,778:15:0	
1343	0	340	09:06:42.933	411LC6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,807,780:15:0	
1344	0	340	09:06:43.600		DMS:	::*RUNDOWN	R7, TRACK 1, FWD, TIC *2088.17 +/-	400	4	0	5,807,780:16:0	
1345	0	340	09:06:43.600	411LC6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,807,780:16:0	
1346	0	340	09:06:44.800		DMS:	::*READY	RDY, TRACK 1, FWD, TIC *2088.23 +/-	400	4	0	5,807,780:17:8	
1347	0	340	09:10:31.600	20LW4A	7SAFE	STOP	S/P NO MOVEMENT	400	4	0	5,807,783:85:0	
1348	0	340	09:11:21.600	20LW4B	7SLEW	DIS,POS:0.0	Stator movement	400	4	0	5,807,784:69:0	
1349	0	340	09:12:36.933	176LW6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	400	4	0	5,807,786:00:0	
1350	0	340	10:28:40.266	488ET6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,807,861:20:0	
1351	0	340	12:31:35.600	488ET6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	400	4	0	5,807,982:72:0	
1352	0	340	12:48:39.600	488ET6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,807,999:61:0	
1353	0	340	16:13:27.600	488ET6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,808,202:20:0	
1354	0	340	16:32:26.933	176LA6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	400	4	0	5,808,221:00:0	
1355	0	340	16:37:30.266		DMS:	::*SLEW-TIC	P7, TRACK 1, FWD, TIC 2088.23 +/-	400	4	0	5,808,226:00:0	
1356	0	340	16:37:30.266		DMS:	::*E4-DELAY	RDY, TRACK 1, FWD, TIC 2088.23 +/-	400	4	0	5,808,226:00:0	
1357	0	340	16:37:30.266	465LA6A	6DMST		2094 DMS Slew to TIC	400	4	0	5,808,226:00:0	
1358	0	340	16:37:36.933		DMS:	::*RUNUP	P7, TRACK 1, FWD, TIC 2088.23 +/-	400	4	0	5,808,226:10:0	
1359	0	340	16:37:38.333		DMS:	::*AT SPD	P7, TRACK 1, FWD, TIC *2088.35 +/-	400	4	0	5,808,226:12:1	
1360	0	340	16:37:52.400		DMS:	::*RUNDOWN	P7, TRACK 1, FWD, TIC *2091.94 +/-	400	4	0	5,808,226:33:2	
1361	0	340	16:37:53.600		DMS:	::*READY	RDY, TRACK 1, FWD, TIC *2092.00 +/-	400	4	0	5,808,226:35:0	
1362	0	340	16:39:03.600	488EU6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,808,227:49:0	
1363	0	340	16:42:40.933	488EU6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,808,231:11:0	
1364	0	340	20:50:16.933	411LD6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,808,476:00:0	
1365	0	340	20:50:16.933		DMS:	::*E4-DELAY	RDY, TRACK 1, FWD, TIC 2092.00 +/-	400	4	0	5,808,476:00:0	
1366	0	340	20:50:23.600		DMS:	::*RUNUP	R7, TRACK 1, FWD, TIC 2092.00 +/-	400	4	0	5,808,476:10:0	
1367	0	340	20:50:25.000		DMS:	::*AT SPD	R7, TRACK 1, FWD, TIC 2092.12 +/-	400	4	0	5,808,476:12:1	
1368	0	340	20:50:25.000		DMS:	::*RECORD	R7, TRACK 1, FWD, TIC *2092.12 +/-	400	4	0	5,808,476:12:1	
1369	0	340	20:50:26.933	411LD6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,808,476:15:0	
1370	0	340	20:52:28.266	411LD6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,808,478:15:0	
1371	0	340	20:52:28.933		DMS:	::*RUNDOWN	R7, TRACK 1, FWD, TIC *2121.17 +/-	400	4	0	5,808,478:16:0	
1372	0	340	20:52:28.933	411LD6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,808,478:16:0	
1373	0	340	20:52:30.133		DMS:	::*READY	RDY, TRACK 1, FWD, TIC *2121.23 +/-	400	4	0	5,808,478:17:8	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1374	0	341	04:12:08.200		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 2121.23 +/-	400	4	0	5,808,913:00:0	
1375	0	341	04:12:08.200	411LE6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,808,913:00:0	
1376	0	341	04:12:14.866		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 2121.23 +/-	400	4	0	5,808,913:10:0	
1377	0	341	04:12:16.266		DMS:	:*AT_SPD	R7, TRACK 1, FWD, TIC 2121.35 +/-	400	4	0	5,808,913:12:1	
1378	0	341	04:12:16.266		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC *2121.35 +/-	400	4	0	5,808,913:12:1	
1379	0	341	04:12:18.200	411LE6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,808,913:15:0	
1380	0	341	04:14:19.533	411LE6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,808,915:15:0	
1381	0	341	04:14:20.200		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC *2150.39 +/-	400	4	0	5,808,915:16:0	
1382	0	341	04:14:20.200	411LE6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,808,915:16:0	
1383	0	341	04:14:21.400		DMS:	:*READY	RDY, TRACK 1, FWD, TIC *2150.45 +/-	400	4	0	5,808,915:17:8	
1384	0	341	11:35:00.200	411LF6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,809,351:00:0	
1385	0	341	11:35:00.200		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 2150.45 +/-	400	4	0	5,809,351:00:0	
1386	0	341	11:35:06.866		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 2150.45 +/-	400	4	0	5,809,351:10:0	
1387	0	341	11:35:08.266		DMS:	:*AT_SPD	R7, TRACK 1, FWD, TIC 2150.57 +/-	400	4	0	5,809,351:12:1	
1388	0	341	11:35:08.266		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC *2150.57 +/-	400	4	0	5,809,351:12:1	
1389	0	341	11:35:10.200	411LF6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,809,351:15:0	
1390	0	341	11:37:11.533	411LF6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,809,353:15:0	
1391	0	341	11:37:12.200	411LF6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,809,353:16:0	
1392	0	341	11:37:12.200		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC *2179.62 +/-	400	4	0	5,809,353:16:0	
1393	0	341	11:37:13.400		DMS:	:*READY	RDY, TRACK 1, FWD, TIC *2179.68 +/-	400	4	0	5,809,353:17:8	
1394	0	341	13:17:26.866	20LY4A	7SAFE	STOP	S/P NO MOVEMENT	400	4	0	5,809,452:29:0	
1395	0	341	13:18:16.866	20LY4B	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5,809,453:13:0	
1396	0	341	13:20:09.533	176LX6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	400	4	0	5,809,455:00:0	
1397	0	341	16:31:18.200	488EV6A	6TMSED	NORM,AL4	Sci, Eng. and D/L Chan	400	4	0	5,809,644:04:0	
1398	0	341	17:21:43.533	488EV6B	6TMSED	NORM,AL5	Sci, Eng. and D/L Chan	400	4	0	5,809,693:83:0	
1399	0	341	17:38:28.200	488EV6C	6TMSED	FILL,AL5	Sci, Eng. and D/L Chan	400	4	0	5,809,710:43:0	
1400	0	341	18:07:34.866	488EV6D	6TMSED	NORM,AL5	Sci, Eng. and D/L Chan	400	4	0	5,809,739:24:0	
1401	0	342	04:14:31.533	488EW6A	6TMSED	NORM,AL4	Sci, Eng. and D/L Chan	400	4	0	5,810,339:49:0	
1402	0	342	04:48:39.533	488EW6B	6TMSED	NORM,AL6	Sci, Eng. and D/L Chan	400	4	0	5,810,373:27:0	
1403	0	342	05:04:52.866	488EW6C	6TMSED	FILL,AL6	Sci, Eng. and D/L Chan	400	4	0	5,810,389:31:0	
1404	0	342	05:31:42.200	488EW6D	6TMSED	NORM,AL6	Sci, Eng. and D/L Chan	400	4	0	5,810,415:79:0	
1405	0	342	11:33:59.533	488EX6A	6TMSED	NORM,AL5	Sci, Eng. and D/L Chan	400	4	0	5,810,774:16:0	
1406	0	342	12:12:14.133	176LB6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	400	4	0	5,810,812:00:0	
1407	0	342	12:17:17.466	465LB6A	6DMST		2189 DMS Slew to TIC	400	4	0	5,810,817:00:0	
1408	0	342	12:17:17.466		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 2179.68 +/-	400	4	0	5,810,817:00:0	
1409	0	342	12:17:17.466		DMS:	:*SLEW-TIC	P7, TRACK 1, FWD, TIC 2179.68 +/-	400	4	0	5,810,817:00:0	
1410	0	342	12:17:24.133		DMS:	:*RUNUP	P7, TRACK 1, FWD, TIC 2179.68 +/-	400	4	0	5,810,817:10:0	
1411	0	342	12:17:25.533		DMS:	:*AT_SPD	P7, TRACK 1, FWD, TIC *2179.80 +/-	400	4	0	5,810,817:12:1	
1412	0	342	12:17:54.933		DMS:	:*RUNDOWN	P7, TRACK 1, FWD, TIC *2186.94 +/-	400	4	0	5,810,817:56:2	
1413	0	342	12:17:56.133		DMS:	:*READY	RDY, TRACK 1, FWD, TIC *2187.00 +/-	400	4	0	5,810,817:58:0	
1414	0	342	12:18:47.466	488EX6B	6TMSED	NORM,AL4	Sci, Eng. and D/L Chan	400	4	0	5,810,818:44:0	
1415	0	342	12:22:38.133	488EX6C	6TMSED	FILL,AL4	Sci, Eng. and D/L Chan	400	4	0	5,810,822:26:0	
1416	0	342	12:31:35.466	488EX6D	6TMSED	FILL,AL6	Sci, Eng. and D/L Chan	400	4	0	5,810,831:13:0	
1417	0	342	16:30:04.133	411LG6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,811,067:00:0	
1418	0	342	16:30:04.133		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 2187.00 +/-	400	4	0	5,811,067:00:0	
1419	0	342	16:30:10.800		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 2187.00 +/-	400	4	0	5,811,067:10:0	
1420	0	342	16:30:12.200		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC *2187.12 +/-	400	4	0	5,811,067:12:1	
1421	0	342	16:30:12.200		DMS:	:*AT_SPD	R7, TRACK 1, FWD, TIC 2187.12 +/-	400	4	0	5,811,067:12:1	
1422	0	342	16:30:14.133	411LG6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,811,067:15:0	
1423	0	342	16:32:15.466	411LG6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,811,069:15:0	
1424	0	342	16:32:16.133		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC *2216.17 +/-	400	4	0	5,811,069:16:0	
1425	0	342	16:32:16.133	411LG6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,811,069:16:0	
1426	0	342	16:32:17.333		DMS:	:*READY	RDY, TRACK 1, FWD, TIC *2216.23 +/-	400	4	0	5,811,069:17:8	
1427	0	342	16:35:28.800	20LY4A	7SAFE	STOP	S/P NO MOVEMENT	400	4	0	5,811,072:32:0	
1428	0	342	16:36:18.800	20LY4B	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5,811,073:16:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1429	0	342	16:38:09.466	176LY6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	400	4	0	5,811,075:00:0	
1430	0	342	20:28:36.133	488EY6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,811,302:83:0	
1431	0	342	21:26:19.466	176SF6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	400	4	0	5,811,360:00:0	
1432	0	342	21:33:00.133	488EY6B	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	400	4	0	5,811,366:55:0	
1433	0	342	22:09:00.133	20SW4I	7MODE	INT	AACS INERTIAL MODE	400	4	0	5,811,402:19:0	
1434	0	342	22:24:00.133	20SW4K	7SLEW	INIT_POS,17.45	Stator movement	400	4	0	5,811,417:04:0	
1435	0	342	22:36:00.133	20SW4L	7SLEW	DIS_POS,0.0	Stator movement	400	4	0	5,811,428:83:0	
1436	0	342	22:43:00.133	20SW4M	7SLEW	INIT_NEG,17.45	Stator movement	400	4	0	5,811,435:76:0	
1437	0	342	22:55:00.133	20SW4N	7SLEW	DIS_POS,0.0	Stator movement	400	4	0	5,811,447:64:0	
1438	0	342	23:07:00.133	20SW4AH	7MODE	CRU	AACS CRUISE MODE	400	4	0	5,811,459:52:0	
1439	0	342	23:27:00.133	20SY4A	7SAFE	STOP	SIP NO MOVEMENT	400	4	0	5,811,475:42:0	
1440	0	342	23:23:54.133	20SY4B	7SLEW	DIS_POS,0.0	Stator movement	400	4	0	5,811,476:26:0	
1441	0	342	23:25:38.133	176SG6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	400	4	0	5,811,478:00:0	
1442	0	342	23:43:00.133	488EY6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,811,495:16:0	
1443	0	343	11:29:43.466	488EZ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,812,194:12:0	
1444	0	343	12:02:57.466	176LC6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	400	4	0	5,812,227:00:0	
1445	0	343	12:08:00.800		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 2216.23 +/-	400	4	0	5,812,232:00:0	
1446	0	343	12:08:00.800		DMS:	::*SLEW-TIC	P7, TRACK 1, FWD, TIC 2216.23 +/-	400	4	0	5,812,232:00:0	
1447	0	343	12:08:00.800	465LC6A	6DMST		2222 DMS Slew to TIC	400	4	0	5,812,232:00:0	
1448	0	343	12:08:07.466		DMS:	:*RUNUP	P7, TRACK 1, FWD, TIC 2216.23 +/-	400	4	0	5,812,232:10:0	
1449	0	343	12:08:08.866		DMS:	:*AT_SPD	P7, TRACK 1, FWD, TIC *2216.35 +/-	400	4	0	5,812,232:12:1	
1450	0	343	12:08:22.933		DMS:	:*RUNDOWN	P7, TRACK 1, FWD, TIC *2219.94 +/-	400	4	0	5,812,232:33:2	
1451	0	343	12:08:24.133		DMS:	:*READY	RDY, TRACK 1, FWD, TIC *2220.00 +/-	400	4	0	5,812,232:35:0	
1452	0	343	12:13:21.466	488EZ6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,812,237:26:0	
1453	0	343	12:14:31.466	488EZ6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,812,238:40:0	
1454	0	343	12:23:03.466	488EZ6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,812,246:80:0	
1455	0	343	16:20:47.466	411LH6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,812,482:00:0	
1456	0	343	16:20:47.466		DMS:	::*E4-DELAY	RDY, TRACK 1, FWD, TIC 2220.00 +/-	400	4	0	5,812,482:00:0	
1457	0	343	16:20:54.133		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 2220.00 +/-	400	4	0	5,812,482:10:0	
1458	0	343	16:20:55.533		DMS:	:*AT_SPD	R7, TRACK 1, FWD, TIC *2220.12 +/-	400	4	0	5,812,482:12:1	
1459	0	343	16:20:55.533		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC *2220.12 +/-	400	4	0	5,812,482:12:1	
1460	0	343	16:20:57.466	411LH6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,812,482:15:0	
1461	0	343	16:22:58.800	411LH6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,812,484:15:0	
1462	0	343	16:22:59.466	411LH6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,812,484:16:0	
1463	0	343	16:22:59.466		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC *2249.17 +/-	400	4	0	5,812,484:16:0	
1464	0	343	16:23:00.666		DMS:	:*READY	RDY, TRACK 1, FWD, TIC *2249.23 +/-	400	4	0	5,812,484:17:8	
1465	0	343	21:53:34.066	488FA6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,812,811:11:0	
1466	0	344	03:23:19.400	488FA6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,813,137:23:0	
1467	0	344	04:33:43.400	488FB6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,813,206:80:0	
1468	0	344	04:42:35.400	488FB6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,813,215:59:0	
1469	0	344	04:52:55.400	488FB6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,813,225:79:0	
1470	0	344	12:04:48.066		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 2249.23 +/-	400	4	0	5,813,653:00:0	
1471	0	344	12:04:48.066	411L16A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,813,653:00:0	
1472	0	344	12:04:54.733		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 2249.23 +/-	400	4	0	5,813,653:10:0	
1473	0	344	12:04:56.133		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC *2249.35 +/-	400	4	0	5,813,653:12:1	
1474	0	344	12:04:56.133		DMS:	:*AT_SPD	R7, TRACK 1, FWD, TIC 2249.35 +/-	400	4	0	5,813,653:12:1	
1475	0	344	12:04:58.066	411L16B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,813,653:15:0	
1476	0	344	12:06:59.400	411L16C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,813,655:15:0	
1477	0	344	12:07:00.066	411L16D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,813,655:16:0	
1478	0	344	12:07:00.066		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC *2278.39 +/-	400	4	0	5,813,655:16:0	
1479	0	344	12:07:01.266		DMS:	:*READY	RDY, TRACK 1, FWD, TIC *2278.45 +/-	400	4	0	5,813,655:17:8	
1480	0	344	13:47:06.733	20LZ4A	7SAFE	STOP	SIP NO MOVEMENT	400	4	0	5,813,754:17:0	
1481	0	344	13:47:56.733	20LZ4B	7SLEW	DIS_POS,0.0	Stator movement	400	4	0	5,813,755:01:0	
1482	0	344	13:49:57.400	176LZ6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	400	4	0	5,813,757:00:0	
1483	0	344	17:14:26.733	488FC6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,813,959:22:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1484	0	344	18:23:34.733	488FC6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,814,027:56:0	
1485	0	344	18:52:40.733	488FC6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,814,056:36:0	
1486	0	345	03:53:11.400	488FD6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,814,590:88:0	
1487	0	345	04:37:33.400	488FD6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,814,634:77:0	
1488	0	345	08:31:11.333	488FD6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,814,865:83:0	
1489	0	345	09:02:31.333	488FD6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,814,896:82:0	
1490	0	345	09:38:35.333	488FD6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,814,932:52:0	
1491	0	345	10:07:41.333	488FE6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,814,961:32:0	
1492	0	345	15:35:03.333	488FE6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,815,285:11:0	
1493	0	345	16:12:32.000	488FF6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,815,322:17:0	
1494	0	345	16:21:59.333	488FF6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,815,331:49:0	
1495	0	345	20:23:30.000	488FF6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,815,570:36:0	
1496	0	346	03:08:23.333	488FG6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,815,970:76:0	
1497	0	346	04:22:22.000	176LD6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	400	4	0	5,816,044:00:0	
1498	0	346	04:23:03.333	488FG6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,816,044:62:0	
1499	0	346	04:27:25.333	465LD6A	6DMST		2286 DMS Slew to TIC	400	4	0	5,816,049:00:0	
1500	0	346	04:27:25.333		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2278.45 +/-	400	4	0	5,816,049:00:0	
1501	0	346	04:27:25.333		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 2278.45 +/-	400	4	0	5,816,049:00:0	
1502	0	346	04:27:32.000		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 2278.45 +/-	400	4	0	5,816,049:10:0	
1503	0	346	04:27:33.400		DMS:	: *AT SPD	P7, TRACK 1, FWD, TIC *2278.57 +/-	400	4	0	5,816,049:12:1	
1504	0	346	04:27:55.466		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *2283.94 +/-	400	4	0	5,816,049:45:2	
1505	0	346	04:27:56.666		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2284.00 +/-	400	4	0	5,816,049:47:0	
1506	0	346	04:32:31.333	488FG6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,816,054:04:0	
1507	0	346	04:42:15.333	488FG6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,816,063:61:0	
1508	0	346	08:40:12.000		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2284.00 +/-	400	4	0	5,816,299:00:0	
1509	0	346	08:40:12.000	411LJ6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,816,299:00:0	
1510	0	346	08:40:18.666		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 2284.00 +/-	400	4	0	5,816,299:10:0	
1511	0	346	08:40:20.066		DMS:	: *RECORD	R7, TRACK 1, FWD, TIC *2284.12 +/-	400	4	0	5,816,299:12:1	
1512	0	346	08:40:20.066		DMS:	: *AT SPD	R7, TRACK 1, FWD, TIC 2284.12 +/-	400	4	0	5,816,299:12:1	
1513	0	346	08:40:22.000	411LJ6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,816,299:15:0	
1514	0	346	08:42:23.333	411LJ6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,816,301:15:0	
1515	0	346	08:42:24.000	411LJ6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,816,301:16:0	
1516	0	346	08:42:24.000		DMS:	: *RUNDOWN	R7, TRACK 1, FWD, TIC *2313.17 +/-	400	4	0	5,816,301:16:0	
1517	0	346	08:42:25.200		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2313.23 +/-	400	4	0	5,816,301:17:8	
1518	0	346	16:02:03.333	411LK6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,816,736:00:0	
1519	0	346	16:02:03.333		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2313.23 +/-	400	4	0	5,816,736:00:0	
1520	0	346	16:02:10.000		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 2313.23 +/-	400	4	0	5,816,736:10:0	
1521	0	346	16:02:11.400		DMS:	: *RECORD	R7, TRACK 1, FWD, TIC *2313.35 +/-	400	4	0	5,816,736:12:1	
1522	0	346	16:02:11.400		DMS:	: *AT SPD	R7, TRACK 1, FWD, TIC 2313.35 +/-	400	4	0	5,816,736:12:1	
1523	0	346	16:02:13.333	411LK6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,816,736:15:0	
1524	0	346	16:04:14.666	411LK6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,816,738:15:0	
1525	0	346	16:04:15.333		DMS:	: *RUNDOWN	R7, TRACK 1, FWD, TIC *2342.39 +/-	400	4	0	5,816,738:16:0	
1526	0	346	16:04:15.333	411LK6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,816,738:16:0	
1527	0	346	16:04:16.533		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2342.45 +/-	400	4	0	5,816,738:17:8	
1528	0	346	17:44:49.333	20MA4A	7SAFE	STOP	S/P NO MOVEMENT	400	4	0	5,816,837:58:0	
1529	0	346	17:45:39.333	20MA4B	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5,816,838:42:0	
1530	0	346	17:47:12.666	176MA6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	400	4	0	5,816,840:00:0	
1531	0	346	20:28:27.933	488FH6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,816,999:44:0	
1532	0	347	02:59:51.266	488FI6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,817,386:52:0	
1533	0	347	03:19:29.933	176LE6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	400	4	0	5,817,406:00:0	
1534	0	347	03:24:33.266		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 2342.45 +/-	400	4	0	5,817,411:00:0	
1535	0	347	03:24:33.266		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2342.45 +/-	400	4	0	5,817,411:00:0	
1536	0	347	03:24:33.266	465LE6A	6DMST		2350 DMS Slew to TIC	400	4	0	5,817,411:00:0	
1537	0	347	03:24:39.933		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 2342.45 +/-	400	4	0	5,817,411:10:0	
1538	0	347	03:24:41.333		DMS:	: *AT SPD	P7, TRACK 1, FWD, TIC *2342.57 +/-	400	4	0	5,817,411:12:1	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1539	0	347	03:25:03.400		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *2347.94 +/-	400	4	0	5,817,411:45:2	
1540	0	347	03:25:04.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2348.00 +/-	400	4	0	5,817,411:47:0	
1541	0	347	03:29:45.266	488F6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,817,416:13:0	
1542	0	347	03:33:59.266	488F6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,817,420:30:0	
1543	0	347	07:37:19.933		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2348.00 +/-	400	4	0	5,817,661:00:0	
1544	0	347	07:37:19.933	411LL6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,817,661:00:0	
1545	0	347	07:37:26.600		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 2348.00 +/-	400	4	0	5,817,661:10:0	
1546	0	347	07:37:28.000		DMS:	: *AT SPD	R7, TRACK 1, FWD, TIC 2348.12 +/-	400	4	0	5,817,661:12:1	
1547	0	347	07:37:28.000		DMS:	: *RECORD	R7, TRACK 1, FWD, TIC *2348.12 +/-	400	4	0	5,817,661:12:1	
1548	0	347	07:37:29.933	411LL6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,817,661:15:0	
1549	0	347	07:39:31.266	411LL6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,817,663:15:0	
1550	0	347	07:39:31.933	411LL6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,817,663:16:0	
1551	0	347	07:39:31.933		DMS:	: *RUNDOWN	R7, TRACK 1, FWD, TIC *2377.17 +/-	400	4	0	5,817,663:16:0	
1552	0	347	07:39:33.133		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2377.23 +/-	400	4	0	5,817,663:17:8	
1553	0	347	14:59:11.266		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2377.23 +/-	400	4	0	5,818,098:00:0	
1554	0	347	14:59:11.266	411LM6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,818,098:00:0	
1555	0	347	14:59:17.933		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 2377.23 +/-	400	4	0	5,818,098:10:0	
1556	0	347	14:59:19.333		DMS:	: *AT SPD	R7, TRACK 1, FWD, TIC 2377.35 +/-	400	4	0	5,818,098:12:1	
1557	0	347	14:59:19.333		DMS:	: *RECORD	R7, TRACK 1, FWD, TIC *2377.35 +/-	400	4	0	5,818,098:12:1	
1558	0	347	14:59:21.266	411LM6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,818,098:15:0	
1559	0	347	15:01:22.600	411LM6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,818,100:15:0	
1560	0	347	15:01:23.266		DMS:	: *RUNDOWN	R7, TRACK 1, FWD, TIC *2406.39 +/-	400	4	0	5,818,100:16:0	
1561	0	347	15:01:23.266	411LM6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,818,100:16:0	
1562	0	347	15:01:24.466		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2406.45 +/-	400	4	0	5,818,100:17:8	
1563	0	347	22:22:03.266	411LN6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,818,536:00:0	
1564	0	347	22:22:03.266		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2406.45 +/-	400	4	0	5,818,536:00:0	
1565	0	347	22:22:09.933		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 2406.45 +/-	400	4	0	5,818,536:10:0	
1566	0	347	22:22:11.333		DMS:	: *RECORD	R7, TRACK 1, FWD, TIC *2406.57 +/-	400	4	0	5,818,536:12:1	
1567	0	347	22:22:11.333		DMS:	: *AT SPD	R7, TRACK 1, FWD, TIC 2406.57 +/-	400	4	0	5,818,536:12:1	
1568	0	347	22:22:13.266	411LN6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,818,536:15:0	
1569	0	347	22:24:14.600	411LN6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,818,538:15:0	
1570	0	347	22:24:15.266	411LN6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,818,538:16:0	
1571	0	347	22:24:15.266		DMS:	: *RUNDOWN	R7, TRACK 1, FWD, TIC *2435.62 +/-	400	4	0	5,818,538:16:0	
1572	0	347	22:24:16.466		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2435.68 +/-	400	4	0	5,818,538:17:8	
1573	0	347	22:27:31.266	20MB4A	7SAFE	STOP	S/P NO MOVEMENT	400	4	0	5,818,541:37:0	
1574	0	347	22:28:21.266	20MB4B	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5,818,542:21:0	
1575	0	347	22:30:08.600	176MB6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	400	4	0	5,818,544:00:0	
1576	0	347	23:56:05.266	488FJ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,818,629:00:0	
1577	0	348	00:21:59.266	488FJ6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,818,654:56:0	
1578	0	348	01:03:41.266	488FJ6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,818,695:78:0	
1579	0	348	01:32:47.933	488FJ6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,818,724:59:0	
1580	0	348	02:47:03.266	488FJ6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,818,798:08:0	
1581	0	348	07:36:08.533	176LF6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	400	4	0	5,819,084:00:0	
1582	0	348	07:41:11.866		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2435.68 +/-	400	4	0	5,819,089:00:0	
1583	0	348	07:41:11.866		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 2435.68 +/-	400	4	0	5,819,089:00:0	
1584	0	348	07:41:11.866	465LF6A	6DMST		2445 DMS Slew to TIC	400	4	0	5,819,089:00:0	
1585	0	348	07:41:18.533		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 2435.68 +/-	400	4	0	5,819,089:10:0	
1586	0	348	07:41:19.933		DMS:	: *AT SPD	P7, TRACK 1, FWD, TIC *2435.80 +/-	400	4	0	5,819,089:12:1	
1587	0	348	07:41:49.333		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *2442.94 +/-	400	4	0	5,819,089:56:2	
1588	0	348	07:41:50.533		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2443.00 +/-	400	4	0	5,819,089:58:0	
1589	0	348	07:46:22.533	488FK6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,819,094:11:0	
1590	0	348	07:49:59.200	488FK6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,819,097:63:0	
1591	0	348	11:53:58.533		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2443.00 +/-	400	4	0	5,819,339:00:0	
1592	0	348	11:53:58.533	411LO6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,819,339:00:0	
1593	0	348	11:54:05.200		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 2443.00 +/-	400	4	0	5,819,339:10:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1594	0	348	11:54:06.600		DMS:	: *AT SPD	R7, TRACK 1, FWD, TIC 2443.12 +/-	400	4	0	5,819,339:12:1	
1595	0	348	11:54:06.600		DMS:	: *RECORD	R7, TRACK 1, FWD, TIC *2443.12 +/-	400	4	0	5,819,339:12:1	
1596	0	348	11:54:08.533	411LO6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,819,339:15:0	
1597	0	348	11:56:09.866	411LO6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,819,341:15:0	
1598	0	348	11:56:10.533		DMS:	: *RUNDOWN	R7, TRACK 1, FWD, TIC *2472.17 +/-	400	4	0	5,819,341:16:0	
1599	0	348	11:56:10.533	411LO6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,819,341:16:0	
1600	0	348	11:56:11.733		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2472.23 +/-	400	4	0	5,819,341:17:8	
1601	0	348	13:36:13.200	20MC4A	7SAFE	STOP	S/P NO MOVEMENT	400	4	0	5,819,440:11:0	
1602	0	348	13:37:03.200	20MC4B	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5,819,440:86:0	
1603	0	348	13:39:07.866	176MC6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	400	4	0	5,819,443:00:0	
1604	0	348	16:21:04.533	488FL6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,819,603:15:0	
1605	0	348	16:32:39.200	488FL6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,819,614:56:0	
1606	0	348	17:47:19.200	488FL6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,819,688:42:0	
1607	0	349	02:44:55.200	488FM6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,820,220:14:0	
1608	0	349	04:03:51.200	488FM6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,820,298:20:0	
1609	0	349	04:16:46.533	176LG6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	400	4	0	5,820,311:00:0	
1610	0	349	04:21:49.866	465LG6A	6DMST		2478 DMS Slew to TIC	400	4	0	5,820,316:00:0	
1611	0	349	04:21:49.866		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 2472.23 +/-	400	4	0	5,820,316:00:0	
1612	0	349	04:21:49.866		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2472.23 +/-	400	4	0	5,820,316:00:0	
1613	0	349	04:21:56.533		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 2472.23 +/-	400	4	0	5,820,316:10:0	
1614	0	349	04:21:57.933		DMS:	: *AT SPD	P7, TRACK 1, FWD, TIC *2472.35 +/-	400	4	0	5,820,316:12:1	
1615	0	349	04:22:12.000		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *2475.94 +/-	400	4	0	5,820,316:33:2	
1616	0	349	04:22:13.200		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2476.00 +/-	400	4	0	5,820,316:35:0	
1617	0	349	04:27:23.200	488FM6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,820,321:45:0	
1618	0	349	04:35:51.200	488FM6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,820,329:79:0	
1619	0	349	08:34:36.533	411LP6A	6DMSC	RDY,0	DMS Control Tape runup 7.68kps	400	4	0	5,820,566:00:0	
1620	0	349	08:34:36.533		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2476.00 +/-	400	4	0	5,820,566:00:0	
1621	0	349	08:34:43.200		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 2476.00 +/-	400	4	0	5,820,566:10:0	
1622	0	349	08:34:44.600		DMS:	: *AT SPD	R7, TRACK 1, FWD, TIC 2476.12 +/-	400	4	0	5,820,566:12:1	
1623	0	349	08:34:44.600		DMS:	: *RECORD	R7, TRACK 1, FWD, TIC *2476.12 +/-	400	4	0	5,820,566:12:1	
1624	0	349	08:34:46.533	411LP6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,820,566:15:0	
1625	0	349	08:36:47.866	411LP6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,820,568:15:0	
1626	0	349	08:36:48.533	411LP6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,820,568:16:0	
1627	0	349	08:36:48.533		DMS:	: *RUNDOWN	R7, TRACK 1, FWD, TIC *2505.17 +/-	400	4	0	5,820,568:16:0	
1628	0	349	08:36:49.733		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2505.23 +/-	400	4	0	5,820,568:17:8	
1629	0	349	15:57:28.466	411LQ6A	6DMSC	RDY,0	DMS Control Tape runup 7.68kps	400	4	0	5,821,004:00:0	
1630	0	349	15:57:28.466		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2505.23 +/-	400	4	0	5,821,004:00:0	
1631	0	349	15:57:35.133		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 2505.23 +/-	400	4	0	5,821,004:10:0	
1632	0	349	15:57:36.533		DMS:	: *RECORD	R7, TRACK 1, FWD, TIC *2505.35 +/-	400	4	0	5,821,004:12:1	
1633	0	349	15:57:36.533		DMS:	: *AT SPD	R7, TRACK 1, FWD, TIC 2505.35 +/-	400	4	0	5,821,004:12:1	
1634	0	349	15:57:38.466	411LQ6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,821,004:15:0	
1635	0	349	15:59:39.800	411LQ6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,821,006:15:0	
1636	0	349	15:59:40.466		DMS:	: *RUNDOWN	R7, TRACK 1, FWD, TIC *2534.39 +/-	400	4	0	5,821,006:16:0	
1637	0	349	15:59:40.466	411LQ6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,821,006:16:0	
1638	0	349	15:59:41.666		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2534.45 +/-	400	4	0	5,821,006:17:8	
1639	0	349	16:02:41.800	20MD4A	7SAFE	STOP	S/P NO MOVEMENT	400	4	0	5,821,009:15:0	
1640	0	349	16:03:31.800	20MD4B	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5,821,009:90:0	
1641	0	349	16:05:33.800	176MD6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	400	4	0	5,821,012:00:0	
1642	0	349	18:18:21.133	488FN6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,821,143:30:0	
1643	0	350	00:24:07.133	488FO6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,821,505:07:0	
1644	0	350	00:43:19.133	488FO6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,821,524:06:0	
1645	0	350	10:38:31.133	488FP6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,822,112:66:0	
1646	0	350	11:27:19.800	176LH6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	400	4	0	5,822,161:00:0	
1647	0	350	11:31:22.466		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 2534.45 +/-	400	4	0	5,822,165:00:0	
1648	0	350	11:31:22.466	465LH6A	6DMST		2542 DMS Slew to TIC	400	4	0	5,822,165:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1649	0	350	11:31:22.466		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 2534.45 +/-	400	4	0	5,822,165:00:0	
1650	0	350	11:31:29.133		DMS:	:*RUNUP	P7, TRACK 1, FWD, TIC 2534.45 +/-	400	4	0	5,822,165:10:0	
1651	0	350	11:31:30.533		DMS:	:*AT SPD	P7, TRACK 1, FWD, TIC *2534.57 +/-	400	4	0	5,822,165:12:1	
1652	0	350	11:31:52.600		DMS:	:*RUNDOWN	P7, TRACK 1, FWD, TIC *2539.94 +/-	400	4	0	5,822,165:45:2	
1653	0	350	11:31:53.800		DMS:	:*READY	RDY, TRACK 1, FWD, TIC *2540.00 +/-	400	4	0	5,822,165:47:0	
1654	0	350	11:33:59.133	488FP6B	6TMSED	NORM,AL4	Sci, Eng. and D/L Chan	400	4	0	5,822,167:53:0	
1655	0	350	11:37:20.466	488FP6C	6TMSED	FILL,AL4	Sci, Eng. and D/L Chan	400	4	0	5,822,180:22:0	
1656	0	350	11:46:47.133	488FP6D	6TMSED	FILL,AL5	Sci, Eng. and D/L Chan	400	4	0	5,822,415:00:0	
1657	0	350	15:44:09.133	411LR6A	6DMSC	R7 0	DMS Control Tape runup 7.68kps	400	4	0	5,822,415:00:0	
1658	0	350	15:44:09.133		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 2540.00 +/-	400	4	0	5,822,415:10:0	
1659	0	350	15:44:15.800		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 2540.00 +/-	400	4	0	5,822,415:10:0	
1660	0	350	15:44:17.200		DMS:	:*AT SPD	R7, TRACK 1, FWD, TIC 2540.12 +/-	400	4	0	5,822,415:12:1	
1661	0	350	15:44:17.200		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC *2540.12 +/-	400	4	0	5,822,415:12:1	
1662	0	350	15:44:19.133	411LR6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,822,415:15:0	
1663	0	350	15:46:20.466	411LR6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,822,417:15:0	
1664	0	350	15:46:21.133		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC *2569.17 +/-	400	4	0	5,822,417:16:0	
1665	0	350	15:46:21.133	411LR6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,822,417:16:0	
1666	0	350	15:46:22.333		DMS:	:*READY	RDY, TRACK 1, FWD, TIC *2569.23 +/-	400	4	0	5,822,417:17:8	
1667	0	350	17:27:11.133	20ME4A	7SAFE	STOP	S/P NO MOVEMENT	400	4	0	5,822,516:82:0	
1668	0	350	17:28:01.133	20ME4B	7SLEW	DIS,POS:0.0	Stator movement	400	4	0	5,822,517:66:0	
1669	0	350	17:29:18.466	176ME6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	400	4	0	5,822,519:00:0	
1670	0	350	18:19:11.800	488FQ6A	6TMSED	NORM,AL5	Sci, Eng. and D/L Chan	400	4	0	5,822,568:31:0	
1671	0	350	19:28:48.466	488FQ6B	6TMSED	FILL,AL5	Sci, Eng. and D/L Chan	400	4	0	5,822,637:17:0	
1672	0	350	19:57:54.466	488FQ6C	6TMSED	NORM,AL5	Sci, Eng. and D/L Chan	400	4	0	5,822,665:88:0	
1673	0	351	00:41:11.066	488FR6A	6TMSED	NORM,AL6	Sci, Eng. and D/L Chan	400	4	0	5,822,946:12:0	
1674	0	351	01:15:12.400	488FR6B	6TMSED	FILL,AL6	Sci, Eng. and D/L Chan	400	4	0	5,822,979:71:0	
1675	0	351	01:42:02.400	488FR6C	6TMSED	NORM,AL6	Sci, Eng. and D/L Chan	400	4	0	5,823,006:29:0	
1676	0	351	01:56:53.066	176WA6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	400	4	0	5,823,021:00:0	
1677	0	351	02:01:59.733	20UR4B	7SLEW	DIS,POS:0.0	Stator movement	400	4	0	5,823,026:05:0	
1678	0	351	02:02:59.733	20UR4D	7MODE	SPNL	AACS ALL-SPIN LOW	400	4	0	5,823,027:04:0	
1679	0	351	02:04:59.733	20UR4E	7SAFE	UNSTOW	S/P TO 153 deg cone	400	4	0	5,823,029:02:0	
1680	0	351	02:10:29.733	20UR4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	400	4	0	5,823,034:42:0	
1681	0	351	02:10:30.400	20UR4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	400	4	0	5,823,034:43:0	
1682	0	351	02:10:50.400	20UR4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	400	4	0	5,823,034:73:0	
1683	0	351	02:10:51.066	20UR4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	400	4	0	5,823,034:74:0	
1684	0	351	02:11:11.066	20UR4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	400	4	0	5,823,035:13:0	
1685	0	351	02:11:11.733	20UR4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	400	4	0	5,823,035:14:0	
1686	0	351	02:11:21.733	20UR4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	400	4	0	5,823,035:29:0	
1687	0	351	02:11:22.400	20UR4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	400	4	0	5,823,035:30:0	
1688	0	351	02:11:32.400	20UR4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	400	4	0	5,823,035:45:0	
1689	0	351	02:11:33.066	20UR4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	400	4	0	5,823,035:46:0	
1690	0	351	02:13:19.733	20UR4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	400	4	0	5,823,037:24:0	
1691	0	351	02:13:20.400	20UR4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	400	4	0	5,823,037:25:0	
1692	0	351	02:13:40.400	20UR4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	400	4	0	5,823,037:55:0	
1693	0	351	02:13:41.066	20UR4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	400	4	0	5,823,037:56:0	
1694	0	351	02:14:01.066	20UR4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	400	4	0	5,823,037:86:0	
1695	0	351	02:14:01.733	20UR4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	400	4	0	5,823,037:87:0	
1696	0	351	02:14:11.733	20UR4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	400	4	0	5,823,038:11:0	
1697	0	351	02:14:12.400	20UR4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	400	4	0	5,823,038:12:0	
1698	0	351	02:14:22.400	20UR4AW	7VENT	1.211,1.333,9	ALERT -- Thruster fire	400	4	0	5,823,038:27:0	
1699	0	351	02:14:23.066	20UR4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	400	4	0	5,823,038:28:0	
1700	0	351	02:15:19.733	20UR4Z	7MODE	CRU	AACS CRUISE MODE	400	4	0	5,823,039:22:0	
1701	0	351	02:34:59.066	432PN431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	400	4	0	5,823,058:62:0	
1702	0	351	02:34:59.733	432PN6A	6RTSL1		R/T Select of DDS and	400	4	0	5,823,058:63:0	
1703	0	351	02:40:03.733	20WB4A	7SAFE	STOP	S/P NO MOVEMENT	400	4	0	5,823,063:64:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1704	0	351	02:40:53.733	20WB4B	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5,823,064:48:0	
1705	0	351	02:42:23.066	176WB6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	400	4	0	5,823,066:00:0	
1706	0	351	07:34:35.733	176LI6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	400	4	0	5,823,355:00:0	
1707	0	351	07:39:39.066	465LI6A	6DMST		2575 DMS Slew to TIC	400	4	0	5,823,360:00:0	
1708	0	351	07:39:39.066		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2569.23 +/-	400	4	0	5,823,360:00:0	
1709	0	351	07:39:39.066		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 2569.23 +/-	400	4	0	5,823,360:00:0	
1710	0	351	07:39:45.733		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 2569.23 +/-	400	4	0	5,823,360:10:0	
1711	0	351	07:39:47.133		DMS:	: *AT SPD	P7, TRACK 1, FWD, TIC *2569.35 +/-	400	4	0	5,823,360:12:1	
1712	0	351	07:40:01.200		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *2572.94 +/-	400	4	0	5,823,360:33:2	
1713	0	351	07:40:02.400		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2573.00 +/-	400	4	0	5,823,360:35:0	
1714	0	351	07:45:14.400	488FS6A	6TMSED	FILL,AL6	Sci, Eng. and D/L Chan	400	4	0	5,823,365:48:0	
1715	0	351	07:47:51.066	488FS6B	6TMSED	FILL,AL4	Sci, Eng. and D/L Chan	400	4	0	5,823,368:10:0	
1716	0	351	11:52:25.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2573.00 +/-	400	4	0	5,823,610:00:0	
1717	0	351	11:52:25.733	411LS6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,823,610:00:0	
1718	0	351	11:52:32.400		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 2573.00 +/-	400	4	0	5,823,610:10:0	
1719	0	351	11:52:33.800		DMS:	: *RECORD	R7, TRACK 1, FWD, TIC *2573.12 +/-	400	4	0	5,823,610:12:1	
1720	0	351	11:52:33.800		DMS:	: *AT SPD	R7, TRACK 1, FWD, TIC 2573.12 +/-	400	4	0	5,823,610:12:1	
1721	0	351	11:52:35.733	411LS6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,823,610:15:0	
1722	0	351	11:54:37.066	411LS6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,823,612:15:0	
1723	0	351	11:54:37.733		DMS:	: *RUNDOWN	R7, TRACK 1, FWD, TIC *2602.17 +/-	400	4	0	5,823,612:16:0	
1724	0	351	11:54:37.733	411LS6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,823,612:16:0	
1725	0	351	11:54:38.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2602.23 +/-	400	4	0	5,823,612:17:8	
1726	0	351	11:58:05.066	20MF4A	7SAFE	STOP	S/P NO MOVEMENT	400	4	0	5,823,615:54:0	
1727	0	351	11:58:55.066	20MF4B	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5,823,616:38:0	
1728	0	351	12:00:31.066	176MIF6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	400	4	0	5,823,618:00:0	
1729	0	351	15:45:56.400	488FT6A	6TMSED	NORM,AL4	Sci, Eng. and D/L Chan	400	4	0	5,823,840:86:0	
1730	0	351	16:17:43.066	488FT6B	6TMSED	NORM,AL5	Sci, Eng. and D/L Chan	400	4	0	5,823,872:34:0	
1731	0	351	17:47:19.066	488FT6C	6TMSED	NORM,AL6	Sci, Eng. and D/L Chan	400	4	0	5,823,960:90:0	
1732	0	352	02:19:19.066	488FU6A	6TMSED	NORM,AL5	Sci, Eng. and D/L Chan	400	4	0	5,824,467:33:0	
1733	0	352	03:48:55.066	488FU6B	6TMSED	NORM,AL4	Sci, Eng. and D/L Chan	400	4	0	5,824,555:89:0	
1734	0	352	03:51:58.400	176LJ6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	400	4	0	5,824,559:00:0	
1735	0	352	03:57:01.733	465LJ6A	6DMST		2608 DMS Slew to TIC	400	4	0	5,824,564:00:0	
1736	0	352	03:57:01.733		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 2602.23 +/-	400	4	0	5,824,564:00:0	
1737	0	352	03:57:01.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2602.23 +/-	400	4	0	5,824,564:00:0	
1738	0	352	03:57:08.400		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 2602.23 +/-	400	4	0	5,824,564:10:0	
1739	0	352	03:57:09.800		DMS:	: *AT SPD	P7, TRACK 1, FWD, TIC *2602.35 +/-	400	4	0	5,824,564:12:1	
1740	0	352	03:57:23.866		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *2605.94 +/-	400	4	0	5,824,564:33:2	
1741	0	352	03:57:25.066		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2606.00 +/-	400	4	0	5,824,564:35:0	
1742	0	352	04:02:15.066	488FU6C	6TMSED	FILL,AL4	Sci, Eng. and D/L Chan	400	4	0	5,824,569:15:0	
1743	0	352	04:12:23.066	488FU6D	6TMSED	FILL,AL6	Sci, Eng. and D/L Chan	400	4	0	5,824,579:17:0	
1744	0	352	08:09:48.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2606.00 +/-	400	4	0	5,824,814:00:0	
1745	0	352	08:09:48.400	411LT6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,824,814:00:0	
1746	0	352	08:09:55.066		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 2606.00 +/-	400	4	0	5,824,814:10:0	
1747	0	352	08:09:56.466		DMS:	: *RECORD	R7, TRACK 1, FWD, TIC *2606.12 +/-	400	4	0	5,824,814:12:1	
1748	0	352	08:09:56.466		DMS:	: *AT SPD	R7, TRACK 1, FWD, TIC 2606.12 +/-	400	4	0	5,824,814:12:1	
1749	0	352	08:09:58.400	411LT6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,824,814:15:0	
1750	0	352	08:11:59.733	411LT6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,824,816:15:0	
1751	0	352	08:12:00.400		DMS:	: *RUNDOWN	R7, TRACK 1, FWD, TIC *2635.17 +/-	400	4	0	5,824,816:16:0	
1752	0	352	08:12:00.400	411LT6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,824,816:16:0	
1753	0	352	08:12:01.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2635.23 +/-	400	4	0	5,824,816:17:8	
1754	0	352	15:31:39.666	411LU6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,825,251:00:0	
1755	0	352	15:31:39.666		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2635.23 +/-	400	4	0	5,825,251:00:0	
1756	0	352	15:31:46.333		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 2635.23 +/-	400	4	0	5,825,251:10:0	
1757	0	352	15:31:47.733		DMS:	: *AT SPD	R7, TRACK 1, FWD, TIC 2635.35 +/-	400	4	0	5,825,251:12:1	
1758	0	352	15:31:47.733		DMS:	: *RECORD	R7, TRACK 1, FWD, TIC *2635.35 +/-	400	4	0	5,825,251:12:1	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1759	0	352	15:31:49.666	411LU6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,825,251:15:0	
1760	0	352	15:33:51.000	411LU6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,825,253:15:0	
1761	0	352	15:33:51.666	411LU6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,825,253:16:0	
1762	0	352	15:33:51.666		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC *2664.39 +/-	400	4	0	5,825,253:16:0	
1763	0	352	15:33:52.866		DMS:	:*READY	RDY, TRACK 1, FWD, TIC *2664.45 +/-	400	4	0	5,825,253:17:8	
1764	0	352	20:13:12.333	488FV6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,825,529:41:0	
1765	0	352	20:23:00.333	488FV6B	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	400	4	0	5,825,539:13:0	
1766	0	352	20:26:54.333	176UE6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	400	4	0	5,825,543:00:0	
1767	0	352	20:36:00.333	20RF4C	7STAT	10.00,233.60,-25	Stator inertial point	400	4	0	5,825,552:00:0	
1768	0	352	20:36:12.333	20RF6D	6MROH	7,6744,0,A10	read from AACSA7,6744,0,A10	400	4	0	5,825,552:18:0	
1769	0	352	20:55:02.333	490UF412A4B	7MODE	INT	AACS INERTIAL MODE	400	4	0	5,825,570:75:0	
1770	0	352	21:00:00.333	490UF412A4D	7SAFE	UNSTOW	S/P TO 153 deg cone	400	4	0	5,825,575:67:0	
1771	0	352	21:00:20.333	20RF4D	7STAT	17.45,233.60,-25	Stator inertial point	400	4	0	5,825,576:06:0	
1772	0	352	21:04:10.333	490UF412A4E	7VECT		Inert vect update UTC	400	4	0	5,825,579:78:0	
1773	0	352	21:04:14.333	490UF412A4F	7TURN	2,RTH	ALERT Thruster	400	4	0	5,825,579:84:0	
1774	0	352	21:08:02.333	490UF412A40A4A	7STAR	11,610,278.81	Star catalog update	400	4	0	5,825,583:62:0	
1775	0	352	21:08:04.333	490UF412A40A4B	7STAR	2,383,331.27	Star catalog update	400	4	0	5,825,583:65:0	
1776	0	352	21:08:06.333	490UF412A40A4C	7STAR	3,147,167.865,20	Star catalog update	400	4	0	5,825,583:68:0	
1777	0	352	21:08:08.333	490UF412A40A4D	7STAR	4,0,0,0,0,0	Star catalog update	400	4	0	5,825,583:71:0	
1778	0	352	21:08:10.333	490UF412A40A4E	7STAR	5,0,0,0,0,0	Star catalog update	400	4	0	5,825,583:74:0	
1779	0	352	21:08:12.333	490UF412A40A4F	7STAR	6,0,0,0,0,0	Star catalog update	400	4	0	5,825,583:77:0	
1780	0	352	21:24:06.333	20RF4F	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5,825,599:52:0	
1781	0	352	21:32:10.333	490UF412A4G	7MODE	CRU	AACS CRUISE MODE	400	4	0	5,825,607:50:0	
1782	0	352	22:38:59.666	432PL431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	400	4	0	5,825,673:58:0	
1783	0	352	22:39:00.333	432PL6A	6RTSL1		R/T Select of DDS and	400	4	0	5,825,673:59:0	
1784	0	352	23:00:04.333	20US4A	7SAFE	STOP	S/P NO MOVEMENT	400	4	0	5,825,694:44:0	
1785	0	352	23:00:54.333	20US4B	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5,825,695:28:0	
1786	0	352	23:01:00.333	488FV6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,825,695:37:0	
1787	0	352	23:02:37.000	176UB6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	400	4	0	5,825,697:00:0	
1788	0	353	00:43:19.000	488FV6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,825,796:54:0	
1789	0	353	02:08:55.666	488FV6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,825,881:24:0	
1790	0	353	02:37:55.666		DMS:	:*US-RUNUP	P7, TRACK *1, *FWD, TIC 2664.45 +/-	400	4	0	5,825,909:86:0	
1791	0	353	02:37:55.666		DMS:	:*SLEW-TIC	P7, TRACK *2, *REV, TIC 2664.45 +/-	400	4	0	5,825,909:86:0	
1792	0	353	02:37:57.066		DMS:	:*US, AT SP	P7, TRACK 1, FWD, TIC *2664.57 +/-	400	4	0	5,825,909:88:1	
1793	0	353	02:38:01.666	488FW6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,825,910:04:0	
1794	0	353	02:38:02.333		DMS:	:*US, RD	P7, TRACK 1, FWD, TIC *2665.81 +/-	400	4	0	5,825,910:05:0	
1795	0	353	02:38:03.533		DMS:	:*RUNUP	P7, TRACK *2, *REV, TIC *2665.87 +/-	400	4	0	5,825,910:06:8	
1796	0	353	02:38:04.933		DMS:	:*AT SPD	P7, TRACK 2, REV, TIC *2665.75 +/-	400	4	0	5,825,910:08:9	
1797	0	353	04:13:15.800		DMS:	:*RUNDOWN	P7, TRACK 2, REV, TIC *1327.06 +/-	400	4	0	5,826,004:21:2	
1798	0	353	04:13:17.000		DMS:	:*READY	RDY, TRACK 2, REV, TIC *1327.00 +/-	400	4	0	5,826,004:23:0	
1799	0	353	08:44:58.333	488FX6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,826,272:87:0	
1800	0	353	08:51:51.000	488FX6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,826,279:69:0	
1801	0	353	11:58:10.333	488FX6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,826,464:03:0	
1802	0	353	14:33:11.000	488FX6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,826,617:31:0	
1803	0	353	15:32:55.000	488FY6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,826,676:38:0	
1804	0	353	15:42:11.000	488FY6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,826,685:53:0	
1805	0	353	15:52:07.000	488FY6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,826,695:37:0	
1806	0	353	18:34:02.333	488FY6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,826,855:50:0	
1807	0	353	19:10:31.000	488FY6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,826,891:57:0	
1808	0	354	00:24:06.933	488FZ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,827,201:71:0	
1809	0	354	01:00:00.266	481UA4A	7VECT		Inert vect update UTC	400	4	0	5,827,237:25:0	
1810	0	354	01:11:02.933	488FZ6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,827,248:18:0	
1811	0	354	07:00:00.933		DMS:	:*E4-DELAY	RDY, TRACK *1, *FWD, TIC 1327.00 +/-	400	4	0	5,827,593:30:0	
1812	0	354	07:00:07.600		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 1327.00 +/-	400	4	0	5,827,593:40:0	
1813	0	354	07:00:09.000		DMS:	:*AT SPD	R7, TRACK 1, FWD, TIC 1327.12 +/-	400	4	0	5,827,593:42:1	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1814	0	354	07:00:09.000		DMS:	: *RECORD	R7, TRACK 1, FWD, TIC *1327.12 +/-	400	4	0	5,827,593:42:1	
1815	0	354	07:02:12.933		DMS:	: *RUNDOWN	R7, TRACK 1, FWD, TIC *1356.17 +/-	400	4	0	5,827,595:46:0	
1816	0	354	07:02:14.133		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1356.23 +/-	400	4	0	5,827,595:47:8	
1817	0	354	09:20:13.600	176LK6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	400	4	0	5,827,732:00:0	
1818	0	354	09:25:16.933	465LK6A	6DMST		DMS Slew to TIC	400	4	0	5,827,737:00:0	
1819	0	354	09:25:16.933		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 1356.23 +/-	400	4	0	5,827,737:00:0	
1820	0	354	09:25:16.933		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1356.23 +/-	400	4	0	5,827,737:00:0	
1821	0	354	09:25:23.600		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 1356.23 +/-	400	4	0	5,827,737:10:0	
1822	0	354	09:25:25.000		DMS:	: *AT SPD	P7, TRACK 1, FWD, TIC *1356.35 +/-	400	4	0	5,827,737:12:1	
1823	0	354	09:30:59.600	488GA6A	6TMSED	FILL,AL6	Sci, Eng. and D/L Chan	400	4	0	5,827,742:59:0	
1824	0	354	09:34:30.933	488GA6B	6TMSED	FILL,AL4	Sci, Eng. and D/L Chan	400	4	0	5,827,746:12:0	
1825	0	354	10:58:48.400		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *2669.94 +/-	400	4	0	5,827,829:45:2	
1826	0	354	10:58:49.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2670.00 +/-	400	4	0	5,827,829:47:0	
1827	0	354	13:38:03.600	411LV6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,827,987:00:0	
1828	0	354	13:38:03.600		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2670.00 +/-	400	4	0	5,827,987:00:0	
1829	0	354	13:38:10.266		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 2670.00 +/-	400	4	0	5,827,987:10:0	
1830	0	354	13:38:11.666		DMS:	: *RECORD	R7, TRACK 1, FWD, TIC *2670.12 +/-	400	4	0	5,827,987:12:1	
1831	0	354	13:38:11.666		DMS:	: *AT SPD	R7, TRACK 1, FWD, TIC 2670.12 +/-	400	4	0	5,827,987:12:1	
1832	0	354	13:38:13.600	411LV6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,827,987:15:0	
1833	0	354	13:40:14.933	411LV6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,827,989:15:0	
1834	0	354	13:40:15.600	411LV6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,827,989:16:0	
1835	0	354	13:40:15.600		DMS:	: *RUNDOWN	R7, TRACK 1, FWD, TIC *2699.17 +/-	400	4	0	5,827,989:16:0	
1836	0	354	13:40:16.800		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2699.23 +/-	400	4	0	5,827,989:17:8	
1837	0	354	13:43:50.266	20MH4A	7SAFE	STOP	S/P NO MOVEMENT	400	4	0	5,827,992:65:0	
1838	0	354	13:44:40.266	20MH4B	7SLEW	DIS,POS:0.0	Stator movement	400	4	0	5,827,993:49:0	
1839	0	354	13:46:08.933	176MH6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	400	4	0	5,827,995:00:0	
1840	0	354	15:45:47.600	488GB6A	6TMSED	NORM,AL4	Sci, Eng. and D/L Chan	400	4	0	5,828,113:30:0	
1841	0	354	16:51:14.266	488GB6B	6TMSED	FILL,AL4	Sci, Eng. and D/L Chan	400	4	0	5,828,178:05:0	
1842	0	354	17:24:53.600	488GB6C	6TMSED	NORM,AL4	Sci, Eng. and D/L Chan	400	4	0	5,828,211:31:0	
1843	0	354	17:51:34.933	488GB6D	6TMSED	NORM,AL5	Sci, Eng. and D/L Chan	400	4	0	5,828,237:67:0	
1844	0	355	00:34:52.266	488GC6A	6TMSED	FILL,AL5	Sci, Eng. and D/L Chan	400	4	0	5,828,636:54:0	
1845	0	355	00:41:10.933	488GC6B	6TMSED	FILL,AL6	Sci, Eng. and D/L Chan	400	4	0	5,828,642:76:0	
1846	0	355	04:28:04.933	488GC6C	6TMSED	NORM,AL6	Sci, Eng. and D/L Chan	400	4	0	5,828,867:22:0	
1847	0	355	09:34:30.866	488GD6A	6TMSED	NORM,AL5	Sci, Eng. and D/L Chan	400	4	0	5,829,170:28:0	
1848	0	355	09:43:18.200	176LL6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	400	4	0	5,829,179:00:0	
1849	0	355	09:48:21.533		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2699.23 +/-	400	4	0	5,829,184:00:0	
1850	0	355	09:48:21.533		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 2699.23 +/-	400	4	0	5,829,184:00:0	
1851	0	355	09:48:21.533	465LL6A	6DMST		2705 DMS Slew to TIC	400	4	0	5,829,184:00:0	
1852	0	355	09:48:28.200		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 2699.23 +/-	400	4	0	5,829,184:10:0	
1853	0	355	09:48:29.600		DMS:	: *AT SPD	P7, TRACK 1, FWD, TIC *2699.35 +/-	400	4	0	5,829,184:12:1	
1854	0	355	09:48:43.666		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *2702.94 +/-	400	4	0	5,829,184:33:2	
1855	0	355	09:48:44.866		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2703.00 +/-	400	4	0	5,829,184:35:0	
1856	0	355	09:54:09.533	488GD6B	6TMSED	FILL,AL5	Sci, Eng. and D/L Chan	400	4	0	5,829,189:67:0	
1857	0	355	09:57:58.866	488GD6C	6TMSED	FILL,AL4	Sci, Eng. and D/L Chan	400	4	0	5,829,193:47:0	
1858	0	355	14:01:08.200	411LW6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,829,434:00:0	
1859	0	355	14:01:08.200		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2703.00 +/-	400	4	0	5,829,434:00:0	
1860	0	355	14:01:14.866		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 2703.00 +/-	400	4	0	5,829,434:10:0	
1861	0	355	14:01:16.266		DMS:	: *AT SPD	R7, TRACK 1, FWD, TIC 2703.12 +/-	400	4	0	5,829,434:12:1	
1862	0	355	14:01:16.266		DMS:	: *RECORD	R7, TRACK 1, FWD, TIC *2703.12 +/-	400	4	0	5,829,434:12:1	
1863	0	355	14:01:18.200	411LW6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,829,434:15:0	
1864	0	355	14:03:19.533	411LW6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,829,436:15:0	
1865	0	355	14:03:20.200	411LW6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,829,436:16:0	
1866	0	355	14:03:20.200		DMS:	: *RUNDOWN	R7, TRACK 1, FWD, TIC *2732.17 +/-	400	4	0	5,829,436:16:0	
1867	0	355	14:03:21.400		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2732.23 +/-	400	4	0	5,829,436:17:8	
1868	0	355	21:24:00.200	411LX6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,829,872:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1869	0	355	21:24:00.200		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 2732.23 +/-	400	4	0	5,829,872:00:0	
1870	0	355	21:24:06.866		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 2732.23 +/-	400	4	0	5,829,872:10:0	
1871	0	355	21:24:08.266		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC *2732.35 +/-	400	4	0	5,829,872:12:1	
1872	0	355	21:24:08.266		DMS:	:*AT_SPD	R7, TRACK 1, FWD, TIC 2732.35 +/-	400	4	0	5,829,872:12:1	
1873	0	355	21:24:10.200	411LX6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,829,872:15:0	
1874	0	355	21:26:11.533	411LX6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,829,874:15:0	
1875	0	355	21:26:12.200		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC *2761.39 +/-	400	4	0	5,829,874:16:0	
1876	0	355	21:26:12.200	411LX6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,829,874:16:0	
1877	0	355	21:26:13.400		DMS:	:*READY	RDY, TRACK 1, FWD, TIC *2761.45 +/-	400	4	0	5,829,874:17:8	
1878	0	355	21:29:28.200	20MI4A	7SAFE	STOP	SIP NO MOVEMENT	400	4	0	5,829,877:37:0	
1879	0	355	21:30:18.200	20MI4B	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5,829,878:21:0	
1880	0	355	21:32:05.533	176MI6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	400	4	0	5,829,880:00:0	
1881	0	355	23:40:42.200	488GE6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,830,007:18:0	
1882	0	356	00:30:30.866	488GE6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,830,056:42:0	
1883	0	356	00:49:04.200	488GE6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,830,074:74:0	
1884	0	356	01:18:10.866	488GE6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,830,103:55:0	
1885	0	356	10:04:22.866	488GF6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,830,624:02:0	
1886	0	356	10:56:56.200	176LM6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	400	4	0	5,830,676:00:0	
1887	0	356	11:01:59.533		DMS:	:*SLEW-TIC	P7, TRACK 1, FWD, TIC 2761.45 +/-	400	4	0	5,830,681:00:0	
1888	0	356	11:01:59.533	465LM6A	6DMST		DMS Slew to TIC	400	4	0	5,830,681:00:0	
1889	0	356	11:01:59.533		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 2761.45 +/-	400	4	0	5,830,681:00:0	
1890	0	356	11:02:06.200		DMS:	:*RUNUP	P7, TRACK 1, FWD, TIC 2761.45 +/-	400	4	0	5,830,681:10:0	
1891	0	356	11:02:07.600		DMS:	:*AT_SPD	P7, TRACK 1, FWD, TIC *2761.57 +/-	400	4	0	5,830,681:12:1	
1892	0	356	11:02:29.666		DMS:	:*RUNDOWN	P7, TRACK 1, FWD, TIC *2766.94 +/-	400	4	0	5,830,681:45:2	
1893	0	356	11:02:30.866		DMS:	:*READY	RDY, TRACK 1, FWD, TIC *2767.00 +/-	400	4	0	5,830,681:47:0	
1894	0	356	11:07:02.200	488GF6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,830,685:90:0	
1895	0	356	15:14:46.200		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 2767.00 +/-	400	4	0	5,830,931:00:0	
1896	0	356	15:14:46.200	411LY6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,830,931:00:0	
1897	0	356	15:14:52.866		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 2767.00 +/-	400	4	0	5,830,931:10:0	
1898	0	356	15:14:54.266		DMS:	:*AT_SPD	R7, TRACK 1, FWD, TIC 2767.12 +/-	400	4	0	5,830,931:12:1	
1899	0	356	15:14:54.266		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC *2767.12 +/-	400	4	0	5,830,931:12:1	
1900	0	356	15:14:56.200	411LY6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,830,931:15:0	
1901	0	356	15:16:57.533	411LY6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,830,933:15:0	
1902	0	356	15:16:58.200		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC *2796.17 +/-	400	4	0	5,830,933:16:0	
1903	0	356	15:16:58.200	411LY6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,830,933:16:0	
1904	0	356	15:16:59.400		DMS:	:*READY	RDY, TRACK 1, FWD, TIC *2796.23 +/-	400	4	0	5,830,933:17:8	
1905	0	356	16:00:40.200	488GF6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,830,976:36:0	
1906	0	356	17:06:20.133	488GG6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,831,041:31:0	
1907	0	356	17:39:59.466	488GG6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,831,074:57:0	
1908	0	356	17:40:54.800	488GG6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,831,075:49:0	
1909	0	356	19:33:00.133	488GG6D	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	400	4	0	5,831,186:36:0	
1910	0	356	19:35:38.133	176QB6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	400	4	0	5,831,189:00:0	
1911	0	356	20:04:00.133	20DA4AA	7STAT	10.00,148.6835,1	Stator inertial point	400	4	0	5,831,217:05:0	
1912	0	356	20:04:12.133	20DA6AA	6MROH	7.6744,0,A10	read from AACSA7,6744,0,A10	400	4	0	5,831,217:23:0	
1913	0	356	20:10:00.133	474DA416A4B	7MODE	INT	AACS INERTIAL MODE	400	4	0	5,831,222:90:0	
1914	0	356	20:12:00.133	474DA416A4D	7SAFE	UNSTOW	SIP TO 153 deg cone	400	4	0	5,831,224:88:0	
1915	0	356	20:12:20.133	20DA4AD	7STAT	17.45,148.6835,1	Stator inertial point	400	4	0	5,831,225:27:0	
1916	0	356	20:16:14.133	474DA416A4E	7BURN	148.683498,10.76	ALERT -- Thruster fire	400	4	0	5,831,229:14:0	
1917	0	356	20:26:00.133	20DA4AF	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5,831,238:74:0	
1918	0	356	20:31:52.133	20DA4AG	7MODE	CRU	AACS CRUISE MODE	400	4	0	5,831,244:56:0	
1919	0	356	20:53:08.133	20DA4AJ	7STAT	10.00,148.6835,1	Stator inertial point	400	4	0	5,831,265:59:0	
1920	0	356	20:53:20.133	20DA6AB	6MROH	7.6744,0,A10	read from AACSA7,6744,0,A10	400	4	0	5,831,265:77:0	
1921	0	356	20:59:08.133	20DA4AK	7MODE	INT	AACS INERTIAL MODE	400	4	0	5,831,271:53:0	
1922	0	356	21:01:08.133	474DA416A4G	7BURN	148.683498,10.76	ALERT -- Thruster fire	400	4	0	5,831,273:51:0	
1923	0	356	21:11:20.800	20DA4AM	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5,831,283:60:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1924	0	356	21:16:12.800	20DA4AN	7MODE	CRU	AACS CRUISE MODE	400	4	0	5,831,288:43:0	
1925	0	356	22:23:44.800	20DB4A	7SAFE	STOP	S/P NO MOVEMENT	400	4	0	5,831,355:24:0	
1926	0	356	22:24:34.800	20DB4B	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5,831,356:08:0	
1927	0	356	22:25:30.133	176DA6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	400	4	0	5,831,357:00:0	
1928	0	357	00:41:00.133	488GH6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,831,491:01:0	
1929	0	357	00:42:00.133	176QC6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	400	4	0	5,831,492:00:0	
1930	0	357	00:49:04.133	432PJ431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	400	4	0	5,831,498:90:0	
1931	0	357	00:49:04.800	432PJ6A	6RTSL1		R/T Select of DDS and	400	4	0	5,831,499:00:0	
1932	0	357	01:00:22.800	488GH6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,831,510:16:0	
1933	0	357	01:45:31.466	488GH6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,831,554:75:0	
1934	0	357	02:12:21.466	488GH6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,831,581:33:0	
1935	0	357	07:00:10.800	488GI6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,831,866:02:0	
1936	0	357	07:03:02.800	488GI6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,831,868:78:0	
1937	0	357	07:45:38.133	488GI6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,831,910:89:0	
1938	0	357	08:51:23.466	488GI6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,831,976:01:0	
1939	0	357	09:25:02.133	488GI6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,832,009:26:0	
1940	0	357	09:25:58.800	488GJ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,832,010:20:0	
1941	0	357	13:29:10.800	488GJ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,832,250:68:0	
1942	0	357	15:23:48.800	488GJ6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,832,364:11:0	
1943	0	357	15:28:38.800	488GK6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	400	4	0	5,832,368:82:0	
1944	0	357	15:43:34.800	488GK6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,832,383:61:0	
1945	0	357	17:25:37.466	488GK6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,832,484:54:0	
1946	0	357	17:36:38.800	488GK6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,832,495:45:0	
1947	0	357	18:34:10.800	488GK6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,832,552:36:0	
1948	0	357	19:03:16.800	488GL6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,832,581:16:0	
1949	0	358	01:38:46.800	488GM6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,832,972:30:0	
1950	0	358	03:34:43.400	176LN6A	6TMREC	PPB	PAUSE PLAYBACK (PB CONTROL) Record Mode C	400	4	0	5,833,087:00:0	
1951	0	358	03:39:46.733	465LN6A	6DMST		2802 DMS Slew to TIC	400	4	0	5,833,092:00:0	
1952	0	358	03:39:46.733		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 2796.23 +/-	400	4	0	5,833,092:00:0	
1953	0	358	03:39:46.733		DMS:	:*SLEW-TIC	P7, TRACK 1, FWD, TIC 2796.23 +/-	400	4	0	5,833,092:00:0	
1954	0	358	03:39:53.400		DMS:	:*RUNUP	P7, TRACK 1, FWD, TIC 2796.23 +/-	400	4	0	5,833,092:10:0	
1955	0	358	03:39:54.800		DMS:	:*AT SPD	P7, TRACK 1, FWD, TIC *2796.35 +/-	400	4	0	5,833,092:12:1	
1956	0	358	03:40:08.866		DMS:	:*RUNDOWN	P7, TRACK 1, FWD, TIC *2799.94 +/-	400	4	0	5,833,092:33:2	
1957	0	358	03:40:10.066		DMS:	:*READY	RDY, TRACK 1, FWD, TIC *2800.00 +/-	400	4	0	5,833,092:35:0	
1958	0	358	03:42:30.733	488GM6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	400	4	0	5,833,094:64:0	
1959	0	358	03:44:51.400	488GM6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	400	4	0	5,833,097:02:0	
1960	0	358	03:55:18.733	488GM6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,833,107:33:0	
1961	0	358	07:52:33.400		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 2800.00 +/-	400	4	0	5,833,342:00:0	
1962	0	358	07:52:33.400	411LZ6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,833,342:00:0	
1963	0	358	07:52:40.066		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 2800.00 +/-	400	4	0	5,833,342:10:0	
1964	0	358	07:52:41.466		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC *2800.12 +/-	400	4	0	5,833,342:12:1	
1965	0	358	07:52:41.466		DMS:	:*AT SPD	R7, TRACK 1, FWD, TIC 2800.12 +/-	400	4	0	5,833,342:12:1	
1966	0	358	07:52:43.400	411LZ6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,833,342:15:0	
1967	0	358	07:54:44.733	411LZ6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,833,344:15:0	
1968	0	358	07:54:45.400		DMS:	:*RUNDOWN	R7, TRACK 1, FWD, TIC *2829.17 +/-	400	4	0	5,833,344:16:0	
1969	0	358	07:54:45.400	411LZ6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,833,344:16:0	
1970	0	358	07:54:46.600		DMS:	:*READY	RDY, TRACK 1, FWD, TIC *2829.23 +/-	400	4	0	5,833,344:17:8	
1971	0	358	15:14:24.733	411MA6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,833,779:00:0	
1972	0	358	15:14:24.733		DMS:	:*E4-DELAY	RDY, TRACK 1, FWD, TIC 2829.23 +/-	400	4	0	5,833,779:00:0	
1973	0	358	15:14:31.400		DMS:	:*RUNUP	R7, TRACK 1, FWD, TIC 2829.23 +/-	400	4	0	5,833,779:10:0	
1974	0	358	15:14:32.800		DMS:	:*RECORD	R7, TRACK 1, FWD, TIC *2829.35 +/-	400	4	0	5,833,779:12:1	
1975	0	358	15:14:32.800		DMS:	:*AT SPD	R7, TRACK 1, FWD, TIC 2829.35 +/-	400	4	0	5,833,779:12:1	
1976	0	358	15:14:34.733	411MA6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,833,779:15:0	
1977	0	358	15:16:36.066	411MA6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,833,781:15:0	
1978	0	358	15:16:36.733	411MA6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,833,781:16:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1979	0	358	15:16:36.733		DMS:	: *RUNDOWN	R7, TRACK 1, FWD, TIC *2858.39 +/-	400	4	0	5,833,781:16:0	
1980	0	358	15:16:37.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2858.45 +/-	400	4	0	5,833,781:17:8	
1981	0	358	22:37:16.733	411MB6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,834,217:00:0	
1982	0	358	22:37:16.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2858.45 +/-	400	4	0	5,834,217:00:0	
1983	0	358	22:37:23.400		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 2858.45 +/-	400	4	0	5,834,217:10:0	
1984	0	358	22:37:24.800		DMS:	: *AT SPD	R7, TRACK 1, FWD, TIC 2858.57 +/-	400	4	0	5,834,217:12:1	
1985	0	358	22:37:24.800		DMS:	: *RECORD	R7, TRACK 1, FWD, TIC *2858.57 +/-	400	4	0	5,834,217:12:1	
1986	0	358	22:37:26.733	411MB6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,834,217:15:0	
1987	0	358	22:39:28.066	411MB6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,834,219:15:0	
1988	0	358	22:39:28.733		DMS:	: *RUNDOWN	R7, TRACK 1, FWD, TIC *2887.62 +/-	400	4	0	5,834,219:16:0	
1989	0	358	22:39:28.733	411MB6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,834,219:16:0	
1990	0	358	22:39:29.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2887.68 +/-	400	4	0	5,834,219:17:8	
1991	0	359	00:19:37.400	20MK4A	7SAFE	STOP	S/P NO MOVEMENT	400	4	0	5,834,318:20:0	
1992	0	359	00:20:27.400	20MK4B	7SLEW	DIS,POS,0.0	Stator movement	400	4	0	5,834,319:04:0	
1993	0	359	00:22:26.066	176MIK6A	6TMREC	RPB	RESUME PLAYBACK (PB CONTROL) Record Mode	400	4	0	5,834,321:00:0	
1994	0	359	04:42:51.400	488GN6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,834,578:51:0	
1995	0	359	09:08:54.733	488GN6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,834,841:63:0	
1996	0	359	10:38:30.733	488GN6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,834,930:28:0	
1997	0	359	11:04:06.733	488GO6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,834,955:57:0	
1998	0	359	14:03:18.666	488GO6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,835,132:78:0	
1999	0	359	15:03:02.666	488GO6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,835,191:85:0	
2000	0	359	15:16:51.333	488GO6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,835,205:54:0	
2001	0	359	15:26:30.666	488GO6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,835,215:13:0	
2002	0	359	18:43:43.333	488GP6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,835,410:17:0	
2003	0	359	19:36:06.666	488GP6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,835,462:00:0	
2004	0	359	22:48:06.666	488GP6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,835,651:81:0	
2005	0	360	00:01:32.000	488GP6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,835,724:46:0	
2006	0	360	00:26:14.666	488GP6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,835,748:86:0	
2007	0	360	00:32:19.333	488GQ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,835,754:87:0	
2008	0	360	06:29:17.333	176SB6A	6TMREC	TPB	TERMINATE PLAYBACK (PB CONTROL) Record Mo	400	4	0	5,836,108:00:0	
2009	0	360	06:34:20.666		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2887.68 +/-	400	4	0	5,836,113:00:0	
2010	0	360	06:34:20.666		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 2887.68 +/-	400	4	0	5,836,113:00:0	
2011	0	360	06:34:20.666	465LO6A	6DMST		2897 DMS Slew to TIC	400	4	0	5,836,113:00:0	
2012	0	360	06:34:27.333		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 2887.68 +/-	400	4	0	5,836,113:10:0	
2013	0	360	06:34:28.733		DMS:	: *AT SPD	P7, TRACK 1, FWD, TIC *2887.80 +/-	400	4	0	5,836,113:12:1	
2014	0	360	06:34:58.133		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *2894.94 +/-	400	4	0	5,836,113:56:2	
2015	0	360	06:34:59.333		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2895.00 +/-	400	4	0	5,836,113:58:0	
2016	0	360	06:39:35.333	488GR6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,836,118:17:0	
2017	0	360	10:47:07.333		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2895.00 +/-	400	4	0	5,836,363:00:0	
2018	0	360	10:47:07.333	411MC6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,836,363:00:0	
2019	0	360	10:47:14.000		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 2895.00 +/-	400	4	0	5,836,363:10:0	
2020	0	360	10:47:15.400		DMS:	: *AT SPD	R7, TRACK 1, FWD, TIC 2895.12 +/-	400	4	0	5,836,363:12:1	
2021	0	360	10:47:15.400		DMS:	: *RECORD	R7, TRACK 1, FWD, TIC *2895.12 +/-	400	4	0	5,836,363:12:1	
2022	0	360	10:47:17.333	411MC6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,836,363:15:0	
2023	0	360	10:49:18.666	411MC6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,836,365:15:0	
2024	0	360	10:49:19.333	411MC6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,836,365:16:0	
2025	0	360	10:49:19.333		DMS:	: *RUNDOWN	R7, TRACK 1, FWD, TIC *2924.17 +/-	400	4	0	5,836,365:16:0	
2026	0	360	10:49:20.533		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2924.23 +/-	400	4	0	5,836,365:17:8	
2027	0	360	16:56:10.666	411MD6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	400	4	0	5,836,728:00:0	
2028	0	360	16:56:10.666		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2924.23 +/-	400	4	0	5,836,728:00:0	
2029	0	360	16:56:17.333		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 2924.23 +/-	400	4	0	5,836,728:10:0	
2030	0	360	16:56:18.733		DMS:	: *AT SPD	R7, TRACK 1, FWD, TIC 2924.35 +/-	400	4	0	5,836,728:12:1	
2031	0	360	16:56:18.733		DMS:	: *RECORD	R7, TRACK 1, FWD, TIC *2924.35 +/-	400	4	0	5,836,728:12:1	
2032	0	360	16:56:20.666	411MD6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	400	4	0	5,836,728:15:0	
2033	0	360	16:58:22.000	411MD6C	6TMREC	NRC	NO RECORD Record Mode Change	400	4	0	5,836,730:15:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2034	0	360	16:58:22.666	411MD6D	6DMSC	RDY,0	DMS Control Tape stop	400	4	0	5,836,730:16:0	
2035	0	360	16:58:22.666		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *2953.39 +/-	400	4	0	5,836,730:16:0	
2036	0	360	16:58:23.866		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *2953.45 +/-	400	4	0	5,836,730:17:8	
2037	0	360	17:02:14.666		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 2953.45 +/-	400	4	0	5,836,734:00:0	
2038	0	360	17:02:14.666		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 2953.45 +/-	400	4	0	5,836,734:00:0	
2039	0	360	17:02:14.666	465WK6A	6DMST		5000 DMS Slew to TIC	400	4	0	5,836,734:00:0	
2040	0	360	17:02:21.333		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 2953.45 +/-	400	4	0	5,836,734:10:0	
2041	0	360	17:02:22.733		DMS:	: *AT SPD	P7, TRACK 1, FWD, TIC *2953.57 +/-	400	4	0	5,836,734:12:1	
2042	0	360	19:13:39.333	488GS6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,836,863:88:0	
2043	0	360	19:27:44.133		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *4997.94 +/-	400	4	0	5,836,877:81:2	
2044	0	360	19:27:45.333		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4998.00 +/-	400	4	0	5,836,877:83:0	
2045	0	360	20:24:20.666	488GS6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	400	4	0	5,836,933:80:0	
2046	0	360	20:53:26.666	488GS6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,836,962:60:0	
2047	0	360	22:55:55.933	465WL6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	400	4	0	5,837,083:73:0	
2048	0	360	22:55:55.933		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 4998.00 +/-	400	4	0	5,837,083:73:0	
2049	0	360	22:55:57.333		DMS:	: *US_AT SP	P7, TRACK 1, FWD, TIC *4998.12 +/-	400	4	0	5,837,083:75:1	
2050	0	360	22:56:02.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4999.35 +/-	400	4	0	5,837,083:83:0	
2051	0	360	22:56:03.800		DMS:	: *RUNUP	P100, TRACK *, *REV, TIC *4999.41 +/-	400	4	0	5,837,083:84:8	
2052	0	360	22:56:07.666		DMS:	: *AT SPD	P100, TRACK 4, REV, TIC 4993.91 +/-	400	4	0	5,837,083:90:6	
2053	0	360	22:56:07.666		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *4993.91 +/-	400	4	0	5,837,083:90:6	
2054	0	360	23:21:47.933		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 255.79 +/-	400	4	0	5,837,109:35:0	
2055	0	360	23:21:47.933	465WL6B	6DMSC	RDY,4	DMS Control Tape stop	400	4	0	5,837,109:35:0	
2056	0	360	23:21:49.133		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 254.99 +/-	400	4	0	5,837,109:36:8	
2057	0	360	23:59:59.933	418KT6A	6BUFLO		2 MUB Buffer low water m	400	4	0	5,837,147:15:0	
2058	0	360	23:59:59.933	418KT6B	6BUFHI		10 MUB Buffer high water	400	4	0	5,837,147:15:0	
2059	0	361	01:21:37.266	465WM6A	6DTRN	CMD,6DTRN,465WM6	DMS TRACK TURNAROUND	400	4	0	5,837,227:81:0	
2060	0	361	01:21:37.266		DMS:	: *US-RUNUP	P7, TRACK *, *FWD, TIC 254.99 +/-	400	4	0	5,837,227:81:0	
2061	0	361	01:21:37.266		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 254.99 +/-	400	4	0	5,837,227:81:0	
2062	0	361	01:21:38.666		DMS:	: *US_AT SP	P7, TRACK 1, FWD, TIC * 255.11 +/-	400	4	0	5,837,227:83:1	
2063	0	361	01:21:43.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 256.34 +/-	400	4	0	5,837,228:00:0	
2064	0	361	01:21:45.133		DMS:	: *RUNUP	P7, TRACK *, *REV, TIC * 256.40 +/-	400	4	0	5,837,228:01:8	
2065	0	361	01:21:46.533		DMS:	: *AT SPD	P7, TRACK 4, REV, TIC * 256.28 +/-	400	4	0	5,837,228:03:9	
2066	0	361	01:25:09.266	488GT6A	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	400	4	0	5,837,231:35:0	
2067	0	361	01:25:47.200		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	400	4	0	5,837,232:00:9	
2068	0	361	01:25:48.400		DMS:	: *TURNARND	P7, TRACK *, *FWD, TIC * 199.81 +/-	400	4	0	5,837,232:02:7	
2069	0	361	01:25:48.400		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	400	4	0	5,837,232:02:7	
2070	0	361	01:25:49.800		DMS:	: *AT SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	400	4	0	5,837,232:04:8	
2071	0	361	01:26:01.800		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	400	4	0	5,837,232:22:8	
2072	0	361	01:26:03.000		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	400	4	0	5,837,232:24:6	
2073	0	361	01:31:39.933		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	400	4	0	5,837,237:75:0	
2074	0	361	01:31:39.933	465WN6A	6DMSC	P100,1	DMS Control Tape P/B 100.8kbps	400	4	0	5,837,237:75:0	
2075	0	361	01:31:46.600		DMS:	: *RUNUP	P100, TRACK 1, FWD, TIC 202.12 +/-	400	4	0	5,837,237:85:0	
2076	0	361	01:31:50.466		DMS:	: *AT SPD	P100, TRACK 1, FWD, TIC 207.62 +/-	400	4	0	5,837,237:90:8	
2077	0	361	01:31:50.466		DMS:	: *P_SLEW	P100, TRACK 1, FWD, TIC * 207.62 +/-	400	4	0	5,837,237:90:8	
2078	0	361	01:55:50.600	488GT6B	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	400	4	0	5,837,261:67:0	
2079	0	361	02:03:33.933		DMS:	: *RUNDOWN	P100, TRACK 1, FWD, TIC *6063.01 +/-	400	4	0	5,837,269:34:0	
2080	0	361	02:03:33.933	465WN6B	6DMSC	RDY,1	DMS Control Tape stop	400	4	0	5,837,269:34:0	
2081	0	361	02:03:35.133		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *6063.81 +/-	400	4	0	5,837,269:35:8	
2082	0	361	02:19:09.933	465WO6A	6DMSC	P100,2	DMS Control Tape P/B 100.8kbps	400	4	0	5,837,284:73:0	
2083	0	361	02:19:09.933		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 6063.81 +/-	400	4	0	5,837,284:73:0	
2084	0	361	02:19:11.333		DMS:	: *US_AT SP	P7, TRACK 1, FWD, TIC *6063.93 +/-	400	4	0	5,837,284:75:1	
2085	0	361	02:19:16.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6065.17 +/-	400	4	0	5,837,284:83:0	
2086	0	361	02:19:17.800		DMS:	: *RUNUP	P100, TRACK *, *REV, TIC *6065.23 +/-	400	4	0	5,837,284:84:8	
2087	0	361	02:19:21.666		DMS:	: *P_SLEW	P100, TRACK 2, REV, TIC *6059.73 +/-	400	4	0	5,837,284:90:6	
2088	0	361	02:19:21.666		DMS:	: *AT SPD	P100, TRACK 2, REV, TIC 6059.73 +/-	400	4	0	5,837,284:90:6	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2089	0	361	02:51:17.933		DMS:	: *RUNDOWN	P100, TRACK 2, REV, TIC * 164.96 +/-	400	4	0	5,837,316:53:0	
2090	0	361	02:51:17.933	465WP6A	6DMSC	P100.3	DMS Control Tape P/B 100.8kbps	400	4	0	5,837,316:53:0	
2091	0	361	02:51:19.133		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 164.16 +/-	400	4	0	5,837,316:54:8	
2092	0	361	02:51:23.000		DMS:	: *AT SPD	P100, TRACK 3, FWD, TIC 169.66 +/-	400	4	0	5,837,316:60:6	
2093	0	361	02:51:23.000		DMS:	: *P SLEW	P100, TRACK 3, FWD, TIC * 169.66 +/-	400	4	0	5,837,316:60:6	
2094	0	361	03:23:18.600	465WP6B	6DMSC	RDY,3	DMS Control Tape stop	400	4	0	5,837,348:22:0	
2095	0	361	03:23:18.600		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC *6062.38 +/-	400	4	0	5,837,348:22:0	
2096	0	361	03:23:19.800		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *6063.18 +/-	400	4	0	5,837,348:23:8	
2097	0	361	03:38:01.933	465WQ6A	6DMSC	P100.4	DMS Control Tape P/B 100.8kbps	400	4	0	5,837,362:73:0	
2098	0	361	03:38:01.933		DMS:	: *US-RUNUP	P7, TRACK *1, FWD, TIC 6063.18 +/-	400	4	0	5,837,362:73:0	
2099	0	361	03:38:03.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.30 +/-	400	4	0	5,837,362:75:1	
2100	0	361	03:38:08.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6064.53 +/-	400	4	0	5,837,362:83:0	
2101	0	361	03:38:09.800		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *6064.59 +/-	400	4	0	5,837,362:84:8	
2102	0	361	03:38:13.666		DMS:	: *AT SPD	P100, TRACK 4, REV, TIC 6059.09 +/-	400	4	0	5,837,362:90:6	
2103	0	361	03:38:13.666		DMS:	: *P SLEW	P100, TRACK 4, REV, TIC *6059.09 +/-	400	4	0	5,837,362:90:6	
2104	0	361	03:40:44.600	488GT6C	6TMSED	FILL,AH6	Sci, Eng, and D/L Chan	400	4	0	5,837,365:44:0	
2105	0	361	04:07:33.933	488GT6D	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	400	4	0	5,837,392:01:0	
2106	0	361	04:10:09.266	465WR6A	6DMSC	P100.3	DMS Control Tape P/B 100.8kbps	400	4	0	5,837,394:52:0	
2107	0	361	04:10:09.266		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 166.38 +/-	400	4	0	5,837,394:52:0	
2108	0	361	04:10:10.466		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 165.58 +/-	400	4	0	5,837,394:53:8	
2109	0	361	04:10:14.333		DMS:	: *AT SPD	P100, TRACK 3, FWD, TIC 171.08 +/-	400	4	0	5,837,394:59:6	
2110	0	361	04:10:14.333		DMS:	: *P SLEW	P100, TRACK 3, FWD, TIC * 171.08 +/-	400	4	0	5,837,394:59:6	
2111	0	361	04:11:15.266	465WR6B	6DMSC	RDY,3	DMS Control Tape stop	400	4	0	5,837,395:60:0	
2112	0	361	04:11:15.266		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC * 358.52 +/-	400	4	0	5,837,395:60:0	
2113	0	361	04:11:16.466		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 359.32 +/-	400	4	0	5,837,395:61:8	
2114	0	361	04:11:59.266	488GT6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,837,396:35:0	
2115	0	361	04:25:45.266		DMS:	: READY	RDY, TRACK *4, *REV, TIC 359.32 +/-	400	4	0	5,837,410:00:0	
2116	0	361	04:25:45.266	465WS6A	6DMSC	RDY,4	DMS Control Tape stop	400	4	0	5,837,410:00:0	
2117	0	361	04:26:39.266	465WT6A	6DTRN	CMD,6DTRN,465WT6	DMS TRACK TURNAROUND	400	4	0	5,837,410:81:0	
2118	0	361	04:26:39.266		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 359.32 +/-	400	4	0	5,837,410:81:0	
2119	0	361	04:26:39.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 359.32 +/-	400	4	0	5,837,410:81:0	
2120	0	361	04:26:40.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 359.44 +/-	400	4	0	5,837,410:83:1	
2121	0	361	04:26:45.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 360.67 +/-	400	4	0	5,837,411:00:0	
2122	0	361	04:26:47.133		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 360.73 +/-	400	4	0	5,837,411:01:8	
2123	0	361	04:26:48.533		DMS:	: *AT SPD	P7, TRACK 4, REV, TIC * 360.61 +/-	400	4	0	5,837,411:03:9	
2124	0	361	04:38:14.333		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	400	4	0	5,837,422:31:6	
2125	0	361	04:38:15.533		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	400	4	0	5,837,422:33:4	
2126	0	361	04:38:15.533		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	400	4	0	5,837,422:33:4	
2127	0	361	04:38:16.933		DMS:	: *AT SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	400	4	0	5,837,422:35:5	
2128	0	361	04:38:28.933		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	400	4	0	5,837,422:53:5	
2129	0	361	04:38:30.133		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	400	4	0	5,837,422:55:3	
2130	0	361	06:40:54.600	488GU6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	400	4	0	5,837,543:61:0	
2131	0	361	10:42:43.933	488GU6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	400	4	0	5,837,782:76:0	
2132	0	361	12:33:42.600	488GU6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	400	4	0	5,837,892:54:0	
2133	0	361	14:37:26.600	488GV6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,838,014:88:0	
2134	0	361	14:58:46.600	488GV6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	400	4	0	5,838,036:06:0	
2135	0	361	15:30:46.600	488GV6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,838,067:65:0	
2136	0	361	16:11:37.266	488GV6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	400	4	0	5,838,108:10:0	
2137	0	361	16:45:16.600	488GV6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	400	4	0	5,838,141:36:0	
2138	0	361	22:29:59.933		DMS:	: READY	RDY, TRACK 1, FWD, TIC 202.12 +/-	400	4	0	5,838,482:30:0	
2139	0	361	22:30:00.000	20A3EW	37A	Final Condition	NIMS Power ON	400	4	0	5,838,482:30:1	
2140	0	361	22:30:00.000	20A3EX	37HR	Final Condition	Replacement Heaters OFF	400	4	0	5,838,482:30:1	
2141	0	361	22:30:00.000	20A3EY	37C1PR	Final Condition	Optics Heater 1 OFF (primary relay)	400	4	0	5,838,482:30:1	
2142	0	361	22:30:00.000	20A3EZ	37C2PR	Final Condition	Optics Heater 2 OFF (primary relay)	400	4	0	5,838,482:30:1	
2143	0	361	22:30:00.000	20A3FA	37F1PR	Final Condition	Radiator Flash Heater OFF (primary relay)	400	4	0	5,838,482:30:1	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2144	0	361	22:30:00.000	20A3FB	37F2PR	Final Condition	Shield Flash Heater OFF (primary relay)	400	4	0	5,838,482:30:1	
2145	0	361	22:30:00.000	20A3FD	40HRPR	Final Condition	RCT Heater OFF (primary relay)	400	4	0	5,838,482:30:1	
2146	0	361	22:30:00.000	20A3FE	40T1PR	Final Condition	PCT Heater 1 OFF (primary relay)	400	4	0	5,838,482:30:1	
2147	0	361	22:30:00.000	20A3FF	40T2R	Final Condition	PCT Heater 2 OFF	400	4	0	5,838,482:30:1	

28GNCALDRA01

OAPEL: 28GNCALDRA01 ALIAS: 28GSCALDRA01
 EXT: B PSID: IE
 SCLK1: 05524440:09:0 SCLK2: 05524440:49:0
 SCET1: 00-141/10:18:34.933 SCET2: 00-141/10:19:02.266
 TARGET: GANYMEDE PARTITION: 1

MODE: 0 GAIN: 2
 CHOP: 1 GRAT_OFF: 4
 PTAB_A: 1 0 0 0 0 012 PTAB_B: 1 0 0 0 0 012
 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: 15 TLMFMT: IM4

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

WETGID: 0013015001 00 13 015 001
 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	1BDFF	1,1011,1101,1111,1111

28GNFEATRE01

```

OAPEL: 28GNFEATRE01      ALIAS: 28GNFEATRE01
EXT: A                    PSID: DA
SCLK1: 05524442:86:0     SCLK2: 05524450:83:0
SCET1: 00-141/10:21:28.266 SCET2: 00-141/10:29:30.933
TARGET: GANYMEDE        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: 0
THRESHOLD_VALUES: 000, 000, 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

28GNSMOOTH02

```

OAPEL: 28GNSMOOTH02          ALIAS: 28GSSMOOTH02
EXT: A                        PSID: IF
SCLK1: 05524451:08:0        SCLK2: 05524451:23:0
SCET1: 00-141/10:29:42.266  SCET2: 00-141/10:29:52.266
TARGET: GANYMEDE           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: IM4
  
```

```

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 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

28GNBRTDRK02

```

OAPEL: 28GNBRTDRK02      ALIAS: 28GSBRTDRK02
EXT: A                    PSID: IG
SCLK1: 05524452:09:0     SCLK2: 05524452:24:0
SCET1: 00-141/10:30:42.933 SCET2: 00-141/10:30:52.933
TARGET: GANYMEDE        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: IM4
  
```

```

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 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

28GNNICHOL02

```

OAPEL: 28GNNICHOL02      ALIAS: 28GSNICHOL02
EXT: A                    PSID: IH
SCLK1: 05524453:09:0     SCLK2: 05524453:24:0
SCET1: 00-141/10:31:43.600 SCET2: 00-141/10:31:53.600
TARGET: GANYMEDE        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: IM4
  
```

```

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 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

28GNARBELA02

```

OAPEL: 28GNARBELA02      ALIAS: 28GSARBELA02
EXT: A                    PSID: II
SCLK1: 05524454:08:0     SCLK2: 05524454:76:0
SCET1: 00-141/10:32:44.266 SCET2: 00-141/10:33:28.933
TARGET: GANYMEDE        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: IM4
  
```

```

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 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

28GNLMSCAN01

```

OAPEL: 28GNLMSCAN01      ALIAS: 28GNLMSCAN01
EXT: A                    PSID: DB
SCLK1: 05524458:87:0     SCLK2: 05524470:73:0
SCET1: 00-141/10:37:38.933 SCET2: 00-141/10:49:38.266
TARGET: GANYMEDE        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, 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

28GNPERRIN01

```

OAPEL: 28GNPERRIN01      ALIAS: 28GNPERRIN01
EXT: A                    PSID: DC
SCLK1: 05524542:86:0     SCLK2: 05524550:78:0
SCET1: 00-141/12:02:34.933 SCET2: 00-141/12:10:34.933
TARGET: GANYMEDE        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: 0
THRESHOLD_VALUES: 000, 000, 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

28GNGLOBAL01

```

OAPEL: 28GNGLOBAL01      ALIAS: 28GNGLOBAL01
EXT: A                    PSID: DD
SCLK1: 05524800:86:0     SCLK2: 05524812:74:0
SCET1: 00-141/16:23:26.933 SCET2: 00-141/16:35:26.933
TARGET: GANYMEDE        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: 0
THRESHOLD_VALUES: 000, 000, 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

28ENECLPSE01

```

OAPEL: 28ENECLPSE01      ALIAS: 28ENECLPSE01
EXT: A                    PSID: DE
SCLK1: 05525138:86:0     SCLK2: 05525139:85:0
SCET1: 00-141/22:05:12.266 SCET2: 00-141/22:06:12.266
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: 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, 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

28JNNEBRLT01

```

OAPEL: 28JNNEBRLT01      ALIAS: 28JNNEBRLT01
EXT: R                    PSID: DF
SCLK1: 05525923:00:0     SCLK2: 05525932:12:0
SCET1: 2000-142/11:17:57.600 SCET2: 2000-142/11:27:11.600
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: 1                   RECORD: 0
  
```

```

MB_DOWN: 11011          MB_UP: 11011
COMP_FLAG: 0
EST_COMP: 0.0           EST_COMPV: 00.
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

28JNNTZRLT01

```

OAPEL: 28JNNTZRLT01      ALIAS: 28JNNTZRLT01
EXT: R                    PSID: DG
SCLK1: 05525945:00:0     SCLK2: 05525954:12:0
SCET1: 2000-142/11:40:12.266 SCET2: 2000-142/11:49:26.266
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: 1                  RECORD: 0
  
```

```

MB_DOWN: 11011          MB_UP: 11011
COMP_FLAG: 0
EST_COMP: 0.0           EST_COMPV: 00.
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, 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

28JNNEBRLT02

```

OAPEL: 28JNNEBRLT02      ALIAS: 28JNNEBRLT02
EXT: R                    PSID: DH
SCLK1: 05526118:00:0     SCLK2: 05526127:12:0
SCET1: 2000-142/14:35:07.533 SCET2: 2000-142/14:44:21.466
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: 1                   RECORD: 0
  
```

```

MB_DOWN: 11011          MB_UP: 11011
COMP_FLAG: 0
EST_COMP: 0.0           EST_COMPV: 00.
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

28JNNTZRLT02

```

OAPEL: 28JNNTZRLT02      ALIAS: 28JNNTZRLT02
EXT: R                    PSID: DI
SCLK1: 05526133:00:0     SCLK2: 05526142:12:0
SCET1: 2000-142/14:50:07.533 SCET2: 2000-142/14:59:31.533
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: 1                   RECORD: 0
  
```

```

MB_DOWN: 11011          MB_UP: 11011
COMP_FLAG: 0
EST_COMP: 0.0          EST_COMPV: 00.
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

28JNNEBRLT03

```

OAPEL: 28JNNEBRLT03      ALIAS: 28JNNEBRLT03
EXT: R                    PSID: DJ
SCLK1: 05526578:00:0     SCLK2: 05526587:12:0
SCET1: 2000-142/22:20:13.200 SCET2: 2000-142/22:29:28.200
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: 1                   RECORD: 0
  
```

```

MB_DOWN: 11011          MB_UP: 11011
COMP_FLAG: 0
EST_COMP: 0.0          EST_COMPV: 00.
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, 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

28JNNTZRLT03

```

OAPEL: 28JNNTZRLT03      ALIAS: 28JNNTZRLT03
EXT: R                    PSID: DK
SCLK1: 05526598:00:0     SCLK2: 05526607:12:0
SCET1: 2000-142/22:40:27.533 SCET2: 2000-142/22:49:41.533
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: 1                    RECORD: 0
  
```

```

MB_DOWN: 11011           MB_UP: 11011
COMP_FLAG: 0
EST_COMP: 0.0           EST_COMPV: 00.
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, 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

28JNEQBLGE01

```

OAPEL: 28JNEQBLGE01      ALIAS: 28JNEQBLGE01
EXT: R                    PSID: DL
SCLK1: 05526880:00:0     SCLK2: 05526884:12:0
SCET1: 2000-143/03:25:35.533 SCET2: 2000-143/03:29:46.200
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: 1                    RECORD: 0
  
```

```

MB_DOWN: 11011           MB_UP: 11011
COMP_FLAG: 0
EST_COMP: 0.0           EST_COMPV: 00.
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, 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

28JNEQBLGE02

```

OAPEL: 28JNEQBLGE02      ALIAS: 28JNEQBLGE02
EXT: R                    PSID: DM
SCLK1: 05527018:00:0     SCLK2: 05527022:12:0
SCET1: 2000-143/05:45:07.533 SCET2: 2000-143/05:49:18.200
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: 1                   RECORD: 0
  
```

```

MB_DOWN: 11011          MB_UP: 11011
COMP_FLAG: 0
EST_COMP: 0.0          EST_COMPV: 00.
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

28JNEQBLGE03

```

OAPEL: 28JNEQBLGE03      ALIAS: 28JNEQBLGE03
EXT: R                    PSID: DQ
SCLK1: 05527117:00:0     SCLK2: 05527121:12:0
SCET1: 2000-143/07:25:13.533 SCET2: 2000-143/07:29:24.200
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: 1                  RECORD: 0
  
```

```

MB_DOWN: 11011          MB_UP: 11011
COMP_FLAG: 0
EST_COMP: 0.0          EST_COMPV: 00.
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, 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

28JNEQBLGE04

```

OAPEL: 28JNEQBLGE04      ALIAS: 28JNEQBLGE04
EXT: R                    PSID: DO
SCLK1: 05527255:00:0     SCLK2: 05527259:12:0
SCET1: 2000-143/09:44:45.533 SCET2: 2000-143/09:48:56.200
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: 1                  RECORD: 0
  
```

```

MB_DOWN: 11011          MB_UP: 11011
COMP_FLAG: 0
EST_COMP: 0.0          EST_COMPV: 00.
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, 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

28JNEQBLGE05

```

OAPEL: 28JNEQBLGE05      ALIAS: 28JNEQBLGE05
EXT: R                    PSID: DS
SCLK1: 05527315:00:0     SCLK2: 05527319:12:0
SCET1: 2000-143/10:45:35.533 SCET2: 2000-143/10:49:36.200
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: 1                   RECORD: 0
  
```

```

MB_DOWN: 11011          MB_UP: 11011
COMP_FLAG: 0
EST_COMP: 0.0          EST_COMPV: 00.
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, 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

28JNAURORA01

```

OAPEL: 28JNAURORA01      ALIAS: 28JNAURORA01
EXT: A                    PSID: DT
SCLK1: 05527338:86:0     SCLK2: 05527341:44:0
SCET1: 00-143/11:09:38.866 SCET2: 00-143/11:12:12.200
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: 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, 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

28JNAURORA02

```

OAPEL: 28JNAURORA02      ALIAS: 28JNAURORA02
EXT: A                    PSID: DS
SCLK1: 05527399:86:0     SCLK2: 05527402:53:0
SCET1: 00-143/12:11:19.533 SCET2: 00-143/12:13:59.533
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: 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, 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

28JNAURORA03

```

OAPEL: 28JNAURORA03      ALIAS: 28JNAURORA03
EXT: A                    PSID: DT
SCLK1: 05527458:86:0     SCLK2: 05527461:53:0
SCET1: 00-143/13:10:58.866 SCET2: 00-143/13:13:38.866
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: 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, 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

28JNAURORA04

```

OAPEL: 28JNAURORA04      ALIAS: 28JNAURORA04
EXT: A                    PSID: DY
SCLK1: 05527537:86:0     SCLK2: 05527540:53:0
SCET1: 00-143/14:30:51.533 SCET2: 00-143/14:33:31.533
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: 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, 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

28JNGLOBAL01

```

OAPEL: 28JNGLOBAL01      ALIAS: 28JNGLOBAL01
EXT: A                    PSID: DZ
SCLK1: 05527573:50:0     SCLK2: 05527578:45:0
SCET1: 00-143/15:06:51.533 SCET2: 00-143/15:11:51.533
TARGET: JUPITER          PARTITION: 1
  
```

```

MODE: 7                   GAIN: 2
CHOP: 1                   GRAT_OFF: 4
PTAB_A: 1 1 0 0 012      PTAB_B: 1 1 0 0 012
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: 15            TLMFMT: MPW
  
```

```

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

```

WETGID: 0713015001      07 13 015 001
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

28JNAURORA05

```

OAPEL: 28JNAURORA05      ALIAS: 28JNAURORA05
EXT: A                    PSID: KA
SCLK1: 05527587:86:0     SCLK2: 05527590:53:0
SCET1: 00-143/15:21:24.866 SCET2: 00-143/15:24:04.866
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: 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, 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

28JNAURORA06

```

OAPEL: 28JNAURORA06      ALIAS: 28JNAURORA06
EXT: A                    PSID: KB
SCLK1: 05527636:86:0     SCLK2: 05527639:49:0
SCET1: 00-143/16:10:57.533 SCET2: 00-143/16:13:34.866
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: 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, 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

28JNFEATR01

```

OAPEL: 28JNFEATR01          ALIAS: 28JSFEATR01
EXT: A                      PSID: IM
SCLK1: 05527661:10:0       SCLK2: 05527664:67:0
SCET1: 00-143/16:35:23.533 SCET2: 00-143/16:39:03.000
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: 360             TLMFMT: HIM
  
```

```

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 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

28JNGLOBAL02

```

OAPEL: 28JNGLOBAL02      ALIAS: 28JNGLOBAL02
EXT: A                    PSID: KC
SCLK1: 05527682:51:0     SCLK2: 05527688:15:0
SCET1: 00-143/16:57:04.200 SCET2: 00-143/17:02:44.200
TARGET: JUPITER          PARTITION: 1
  
```

```

MODE: 7                   GAIN: 2
CHOP: 1                   GRAT_OFF: 4
PTAB_A: 1 1 0 0 012      PTAB_B: 1 1 0 0 012
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: 15            TLMFMT: MPW
  
```

```

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

```

WETGID: 0713015001      07 13 015 001
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

28JNAURORA07

```

OAPEL: 28JNAURORA07      ALIAS: 28JNAURORA07
EXT: A                    PSID: KD
SCLK1: 05527694:87:0     SCLK2: 05527697:49:0
SCET1: 00-143/17:09:36.200 SCET2: 00-143/17:12:13.533
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: 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, 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

28JNFEATR02

```

OAPEL: 28JNFEATR02          ALIAS: 28JSFEATR02
EXT: A                      PSID: IN
SCLK1: 05527714:10:0       SCLK2: 05527719:89:0
SCET1: 00-143/17:28:58.866 SCET2: 00-143/17:34:54.866
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: 360            TLMFMT: HIM
  
```

```

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 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

28JNAURORA08

```

OAPEL: 28JNAURORA08      ALIAS: 28JNAURORA08
EXT: A                    PSID: KE
SCLK1: 05527755:87:0     SCLK2: 05527758:47:0
SCET1: 00-143/18:11:16.866 SCET2: 00-143/18:13:52.200
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: 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, 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

28JNFEATR03

```

OAPEL: 28JNFEATR03          ALIAS: 28JSFEATR03
EXT: A                      PSID: IO
SCLK1: 05527767:11:0       SCLK2: 05527769:90:0
SCET1: 00-143/18:22:34.200 SCET2: 00-143/18:25:28.200
TARGET: JUPITER            PARTITION: 1
  
```

```

MODE: 0                    GAIN: 2
CHOP: 1                   GRAT_OFF: 4
PTAB_A: 1 0 0 0 0 12     PTAB_B: 1 0 0 0 0 12
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: 15           TLMFMT: HIM
  
```

```

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

```

WETGID: 0013015001      00 13 015 001
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

28JNFEATR03

```

OAPEL: 28JNFEATR03          ALIAS: 28JSFEATR03
EXT: B                      PSID: IO
SCLK1: 05527770:00:0       SCLK2: 05527772:90:0
SCET1: 00-143/18:25:28.866 SCET2: 00-143/18:28:30.200
TARGET: JUPITER            PARTITION: 1
  
```

```

MODE: 7                    GAIN: 2
CHOP: 1                   GRAT_OFF: 4
PTAB_A: 1 1 0 0 012      PTAB_B: 1 1 0 0 012
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: 15           TLMFMT: HIM
  
```

```

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

```

WETGID: 0713015001      07 13 015 001
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

28JNGLOBAL03

```

OAPEL: 28JNGLOBAL03      ALIAS: 28JNGLOBAL03
EXT: A                    PSID: EC
SCLK1: 05527786:54:0     SCLK2: 05527791:74:0
SCET1: 00-143/18:42:15.533 SCET2: 00-143/18:47:32.866
TARGET: JUPITER          PARTITION: 1
  
```

```

MODE: 7                  GAIN: 2
CHOP: 1                  GRAT_OFF: 4
PTAB_A: 1 1 0 0 012     PTAB_B: 1 1 0 0 012
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: 15           TLMFMT: MPW
  
```

```

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

```

WETGID: 0713015001      07 13 015 001
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

28JNAURORA09

```

OAPEL: 28JNAURORA09      ALIAS: 28JNAURORA09
EXT: A                    PSID: KG
SCLK1: 05527834:87:0     SCLK2: 05527837:46:0
SCET1: 00-143/19:31:09.533 SCET2: 00-143/19:33:44.866
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: 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, 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

28JNAURORA10

```

OAPEL: 28JNAURORA10      ALIAS: 28JNAURORA10
EXT: A                    PSID: KI
SCLK1: 05527893:87:0     SCLK2: 05527896:47:0
SCET1: 00-143/20:30:48.866 SCET2: 00-143/20:33:24.200
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: 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, 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

28JNEQBLGE06

```

OAPEL: 28JNEQBLGE06      ALIAS: 28JNEQBLGE06
EXT: R                    PSID: KJ
SCLK1: 05528224:00:0     SCLK2: 05528228:12:0
SCET1: 2000-144/02:03:91.466  SCET2: 2000-144/02:08:42.133
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: 1                   RECORD: 0
  
```

```

MB_DOWN: 11011           MB_UP: 11011
COMP_FLAG: 0
EST_COMP: 0.0           EST_COMPV: 00.
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, 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

28JNEQBLGE07

```

OAPEL: 28JNEQBLGE07      ALIAS: 28JNEQBLGE07
EXT: R                    PSID: KK
SCLK1: 05528343:00:0     SCLK2: 05528347:12:0
SCET1: 2000-144/04:04:50.800 SCET2: 2000-144/04:09:01.466
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: 1                   RECORD: 0
  
```

```

MB_DOWN: 11011          MB_UP: 11011
COMP_FLAG: 0
EST_COMP: 0.0           EST_COMPV: 00.
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, 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

28JNEQBLGE08

```

OAPEL: 28JNEQBLGE08      ALIAS: 28JNEQBLGE08
EXT: R                    PSID: KL
SCLK1: 05528462:00:0     SCLK2: 05528466:12:1
SCET1: 2000-144/06:05:10.133 SCET2: 2000-144/06:09:20.800
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: 1                  RECORD: 0
  
```

```

MB_DOWN: 11011          MB_UP: 11011
COMP_FLAG: 0
EST_COMP: 0.0          EST_COMPV: 00.
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, 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

28JNEQBLGE09

```

OAPEL: 28JNEQBLGE09      ALIAS: 28JNEQBLGE09
EXT: R                    PSID: KM
SCLK1: 05528580:00:0     SCLK2: 05528584:12:0
SCET1: 2000-144/08:04:28.800 SCET2: 2000-144/08:08:39.466
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: 1                  RECORD: 0
  
```

```

MB_DOWN: 11011          MB_UP: 11011
COMP_FLAG: 0
EST_COMP: 0.0          EST_COMPV: 00.
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, 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

28JNEQBLGE10

```

OAPEL: 28JNEQBLGE10      ALIAS: 28JNEQBLGE10
EXT: R                    PSID: KN
SCLK1: 05528699:00:0     SCLK2: 05528703:12:0
SCET1: 2000-144/10:04:48.133 SCET2: 2000-144/10:08:58.800
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: 1                    RECORD: 0
  
```

```

MB_DOWN: 11011           MB_UP: 11011
COMP_FLAG: 0
EST_COMP: 0.0           EST_COMPV: 00.
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

28NNPCTRLT01

```

OAPEL: 28NNPCTRLT01      ALIAS: LSNNPCTRLT01
EXT: R                    PSID: FB
SCLK1: 05592248:00:0     SCLK2: 05592249:12:0
SCET1: 2000-189/00:59:52.066 SCET2: 2000-189/01:01:00.733
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, 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

28NNPCTRLT01

```

OAPEL: 28NNPCTRLT01      ALIAS: LSNNPCTRLT01
EXT: S                    PSID: FB
SCLK1: 05592254:00:0     SCLK2: 05592263:12:0
SCET1: 2000-189/01:05:56.066 SCET2: 2000-189/01:15:10.066
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, 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

NIMS G28 OBSTAB

This is a time-ordered ASCII TABLE (listing) of GALILEO NIMS observation parameters for use by downlink data processing of the NIMS G28 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
 <tbdb> 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: <tbdb>
* 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=freeerun
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      |repeat count,mirror op,autobias...SEF: functions of MODE (from 37IOP) as modified by
PTAB_B(6) 12 89 - 100  |...grating start, grating delta... 37MPT, unless special sequence (modes 12-15)
.         |...number of grating positions) in which case values come from 37SS
                                         parameters <tbd>
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 SEF: 37MB data byte 1, bits 4-8 <tbd>
                                         position blocking, down scan)
# RTISELUP  5 112 - 116     .RTI select, 5 binary bits (for mirror SEF: 37MB data byte 2, bits 4-8 <tbd>
                                         position blocking, up scan)
<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)
                                         17 136 - 152
NWAVERTOT  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
-----

```

```

-----
# WETGID      10 319 - 328      .Wavelength selection group ID (unique)      PBK: WET_GID      (realtime <tbd>)
Rule of formation: mmeelll1nnn 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 BHHH 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.)

```

```

-----
.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 ).

```


Chapter 5 - Detailed Observation Designs

Contents

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5.2	NIMS G28 Observations	3-90

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.

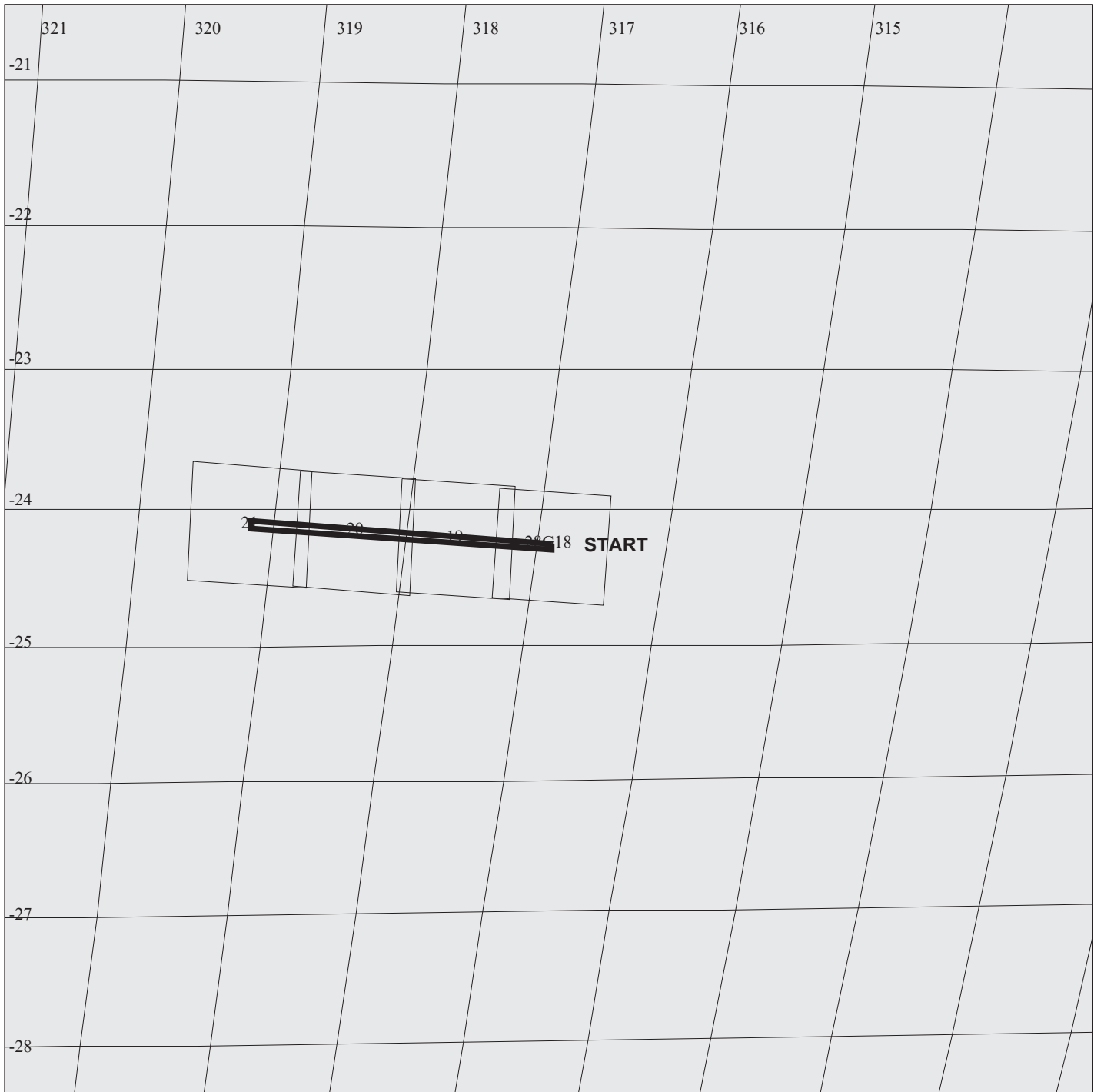
The Pointer plots have the spatial extent of the actual data returned outlined with a thick line. When no data were returned for a particular observation, its Pointer plot has a single slash across the plot with the text "NO DATA RETURNED" printed in the upper left corner of the plot.

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 return 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 Software Reload		ACTIVITY ID: 28NNFEATRE01-	
		START TIME: 00-141/10:15:30.933	
Activity ID: Orbit 28 Target N Inst N OAPEL FEATRE SeqNo 01 -			
Title	NIMS Software Reload	Instrument	NIMS
Requestor	NIMS-SWG/M. SEGURA	Team NIMS Working Group	SWG
Time System	CDS	Load ID	Calendar Date 05/20/00 Week 20
Start	GEE+CDS 00000005:00:0	00-141/10:15:30.933	GEE+000/00:05:03.333
End	GEE+CDS 00000007:00:0	00-141/10:17:32.266	GEE+000/00:07:04.666
Duration	00000002:00:0	000/00:02:01.333	000/00:02:01.333
Top Label	28NNFEATRE01-		
Bottom Label			
Plot Key	NIMS	Type	SCI
CDS Bytes	0	Report Options	BOTH
CDS Source	OAP	Spin State	DUAL
		Scan Platform	No
		DMS	No
Observation Objective			
NIMS reload			
Each NIMS GEM observation will have an instrument reload before the start of each observation. Each reload has its own OAPEL form, but only this first is included in the NIMSGUIDE. The NIMS G28 reload OAPELS are:			
28NNFEATRE01, 28NNLMSCAN01, 28NNPERRIN01, 28NNGLOBAL01, 28ENECLPSE01, 28NNNEBRLT01, 28NNNEBRLT02, 28NNNEBRLT03, 28NNEQBLGE01, 28NNEQBLGE02, 28NNEQBLGE03, 28NNEQBLGE05, 28NNAURORA02, 28NNAURORA03, 28NNAURORA04, 28NNGLOBAL01, 28NNAURORA05, 28NNAURORA06, 28NNGLOBAL02, 28NNAURORA07, 28NNAURORA08, 28NNGLOBAL03, 28NNAURORA09, 28NNAURORA10, 28NNEQBLGE06, 28NNEQBLGE07, 28NNEQBLGE08, 28NNEQBLGE09, 28NNEQBLGE10			
28NNNTZGLT01, 28NNNTZGLT02, 28NNNTZGLT03, 28NNEQBLGE04, 28NNAURORA01 did not have reloads.			
Design Detail			
Use a standard set of commands to halt the instrument, load the software and reinitialize the instrument.			
37PL - Halt NIMS Processor 37MRL - Memory Reallocate 6MCPY - Copy flight software from CDS to NIMS 1000 6MCPY - Copy flight software from CDS to NIMS 1598 37IRT - Instrument Reset 37MN - Memory Normal 37IST - Chopper Reference.			
Galileo Activity Plan Form		05/31/00 10:48:23 rev 1/99	



165IE:TT= 0 TMC= 1 C= 10.73 XC= 0.00 BS= 0/6927 TC= 1(-24.2 318.0)
 A= 262 pD= 84 SR=17.450 RA50= 87.88 DEC50= 25.17 cone=137.64 clock=278.65
 118IE:#SB= 1 Cs= -7.15 XCs= 0.00 TPP= 26 SR= 3.600 RR=12.000 BM=F RC= 1 BS= 3/6927
 1:#s= 4 #p= 1 Cr= 0.00 XCr= 0.00

28GNCALDRA01

DESIGN G3.2 herb : 4/ 3/2000 14:51:38

FILE:P.28GSCALDRA01

TARGET BODY : GANYMEDE

MINI:m.28GSCALDRA01

S/C EPH:/DATA/NAVIO/000224-tour.NS

PERIAPSIS:

START:GEE 00-141/10:10:27.600 +CDS 08:00:0

OBSERVATION:28GSCALDRA01

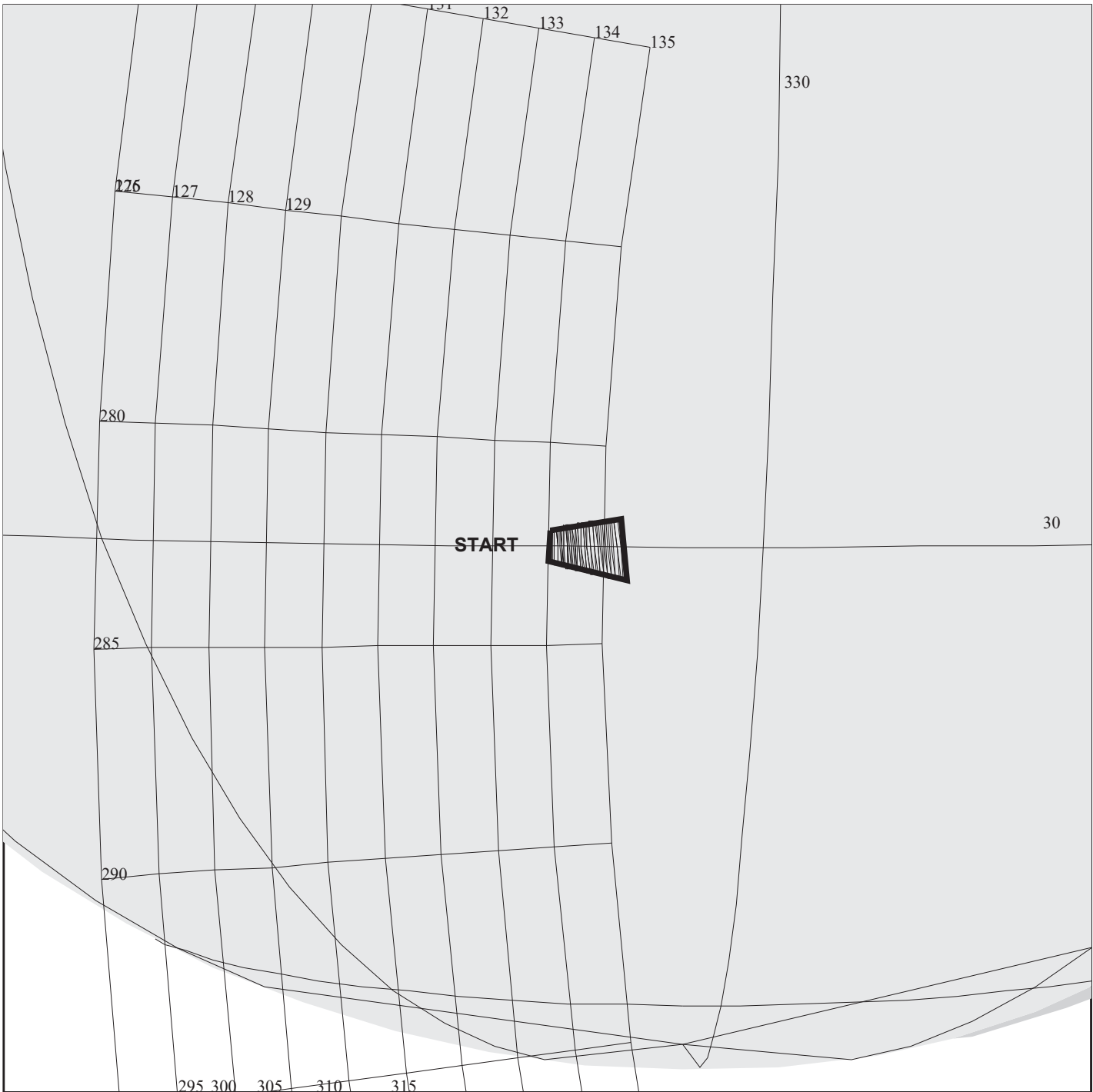
ALIAS: 28GSCALDRA01

THINNING:

BODY PLOT TIME:TARGET-TIME D= 84 S= 10.000

DESCRIP:CALDERA-LIKE FEATURES

Caldera-like Features		ACTIVITY ID:	28GNCALDRA01-		
		START TIME:	00-141/10:16:58.266		
Activity ID: Orbit 28 Target G Inst N OAPEL CALDRA SeqNo 01 -					
Title	Caldera-like Features		Instrument		NIMS
Requestor	SSI	Team	NIMS	Working Group	SWG
Time System	CDS	Load ID	Calendar Date	05/20/00	Week 20
Start	GEE+CDS	00000006:40:0	00-141/10:16:58.266	GEE+000/00:06:30.666	
End	GEE+CDS	00000009:00:0	00-141/10:19:33.600	GEE+000/00:09:06.000	
Duration		00000002:51:0	000/00:02:35.334	000/00:02:35.334	
Top Label	28GNCALDRA01-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	300	Report Options	BOTH		
CDS Source	OAP	Spin State	DUAL	Scan Platform	No
				DMS	No
Observation Objective					
Image caldera-like features on sub-jovian hemisphere, to access volcanis models for these features and constrain the rheology of potential cryomagma.					
ride-along behind SSI.					
Data Returned					
Design Detail					
Alias: 28GSCALDRA01					
1x4 mosaic at latitude -24, West longitude 317 to 319					
SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT					
Safe Mode (FS), Gain 2, Grating Start 0, IM4, GXM17, GXM15					
Galileo Activity Plan Form			05/31/00	00:00:00	rev 6/95



28GNFEATRE01

165DA:TT= 0 TMC=1 C= -7.20 XC= 0.00 BS= 0/7291 TC= 1(-30 338)
 A= 162 pD= 1446 SR=17.450 RA50= 91.88 DEC50= 22.56 cone=134.06 clock=282.56
 117DA:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/7291
 1:#s= 1 Cs= 14.30 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 1446 rD= 2

TARGET G3.1 lisac: 4/10/2000 11:54:24

FILE:P.28GNFEATRE01

TARGET BODY : GANYMEDE

MINI:m.target

S/C EPH:/DATA/NAVIO/000224-tour.NS

PERIAPSIS:

THINNING:NIM 2

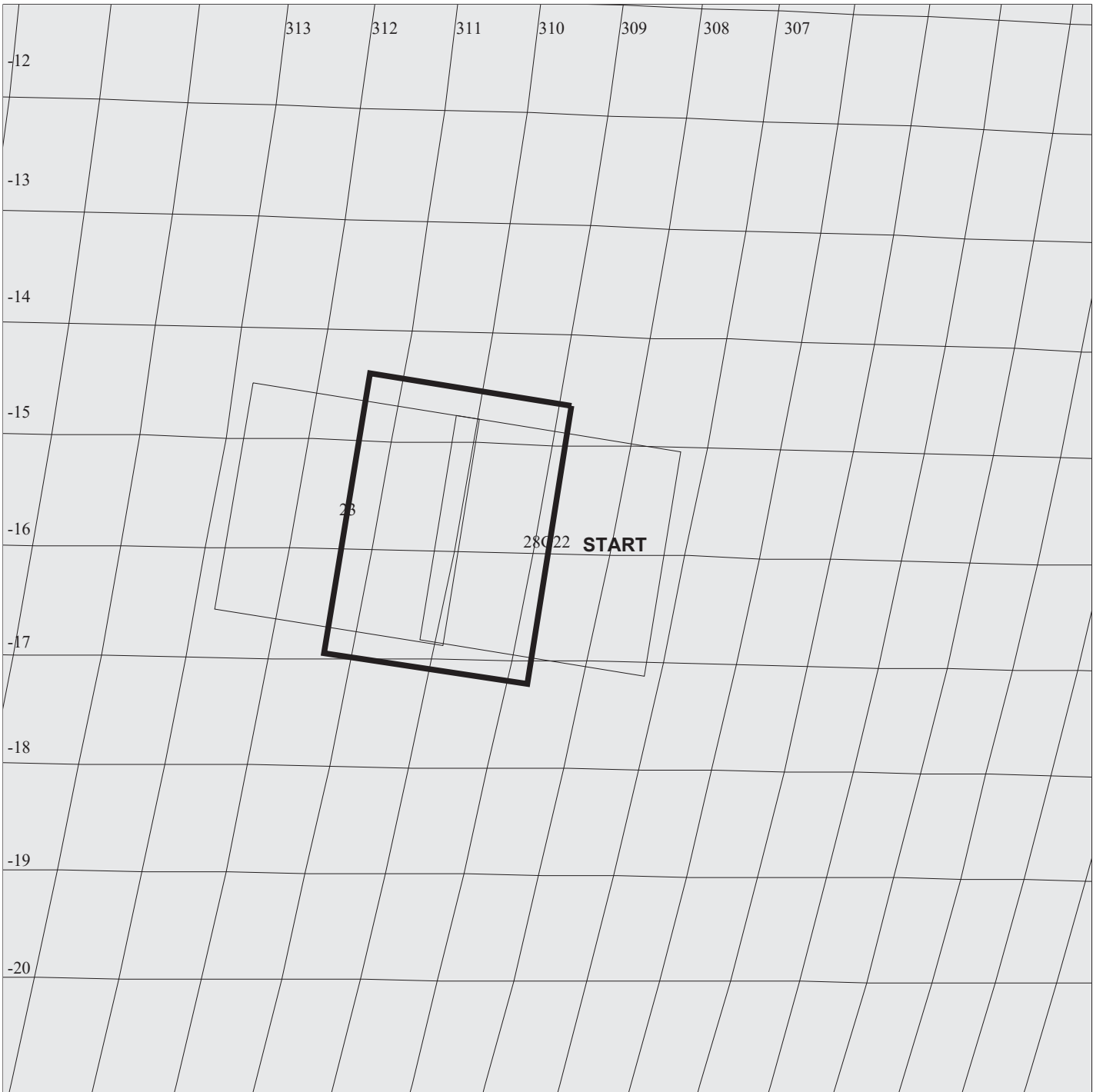
START:GEE 00-141/10:10:27.600 +CDS 10:00:0

BODY PLOT TIME:TARGET-TIME D= 1446 S= 2.000

OBSERVATION:28GNFEATRE01

DESCRIP:GANYMEDE_HIRES_FEATURE

Ganymede Hi-Res Feature		ACTIVITY ID:	28GNFEATRE01-		
		START TIME:	00-141/10:19:33.600		
Activity ID: Orbit 28 Target G Inst N OAPEL FEATRE SeqNo 01 -					
Title	Ganymede Hi-Res Feature		Instrument		NIMS
Requestor	NIMS-SWG/M. SEGURA		Team	NIMS Working Group	SWG
Time System	CDS	Load ID	Calendar Date	05/20/00	Week 20
Start	GEE+CDS 00000009:00:0		00-141/10:19:33.600	GEE+000/00:09:06.000	
End	GEE+CDS 00000018:00:0		00-141/10:28:39.600	GEE+000/00:18:12.000	
Duration	00000009:00:0		000/00:09:06.000	000/00:09:06.000	
Top Label	28GNFEATRE01-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	300	Report Options	BOTH		
CDS Source	OAP	Spin State	DUAL	Scan Platform	No
				DMS	No
Observation Objective					
High resolution observation of a dark crater, ice and background dark regio in a search for compositional differences.					
Data Returned					
Design Detail					
BTG=2.76 MB, TICS=424, FMT=MPW					
Latitude: 30 South, Longitude 338 West					
SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT					
Fixed Long Map (XLM), Gain 2, Grating Start 0, MPW, GLM442, GLM360					
Galileo Activity Plan Form			05/31/00	00:00:00	rev 6/95



28GNSMOOTH02

DESIGN G3.2 herb : 4/ 4/2000 14:24:36

FILE:P.28GSSMOOTH02

TARGET BODY : GANYMEDE

MINI:m.28GSSMOOTH02

S/C EPH:/DATA/NAVIO/000224-tour.NS

PERIAPSIS:

START:GEE 00-141/10:10:27.600 +CDS 19:00:0

OBSERVATION:28GSSMOOTH02

165IF:TT= 0 TMC= 1 C= 3.65 XC= 0.00 BS= 0/8929 TC= 1(-15.8 310.1)
 A= 160 pD= 32 SR=17.450 RA50= 68.45 DEC50= 25.39 cone=154.86 clock=272.32
 118IF:#SB= 1 Cs= -7.31 XCs= 0.00 TPP= 26 SR= 3.700 RR=12.000 BM=F RC= 1 BS= 3/8929
 1:#s= 2 #p= 1 Cr= 0.00 XCr= 0.00

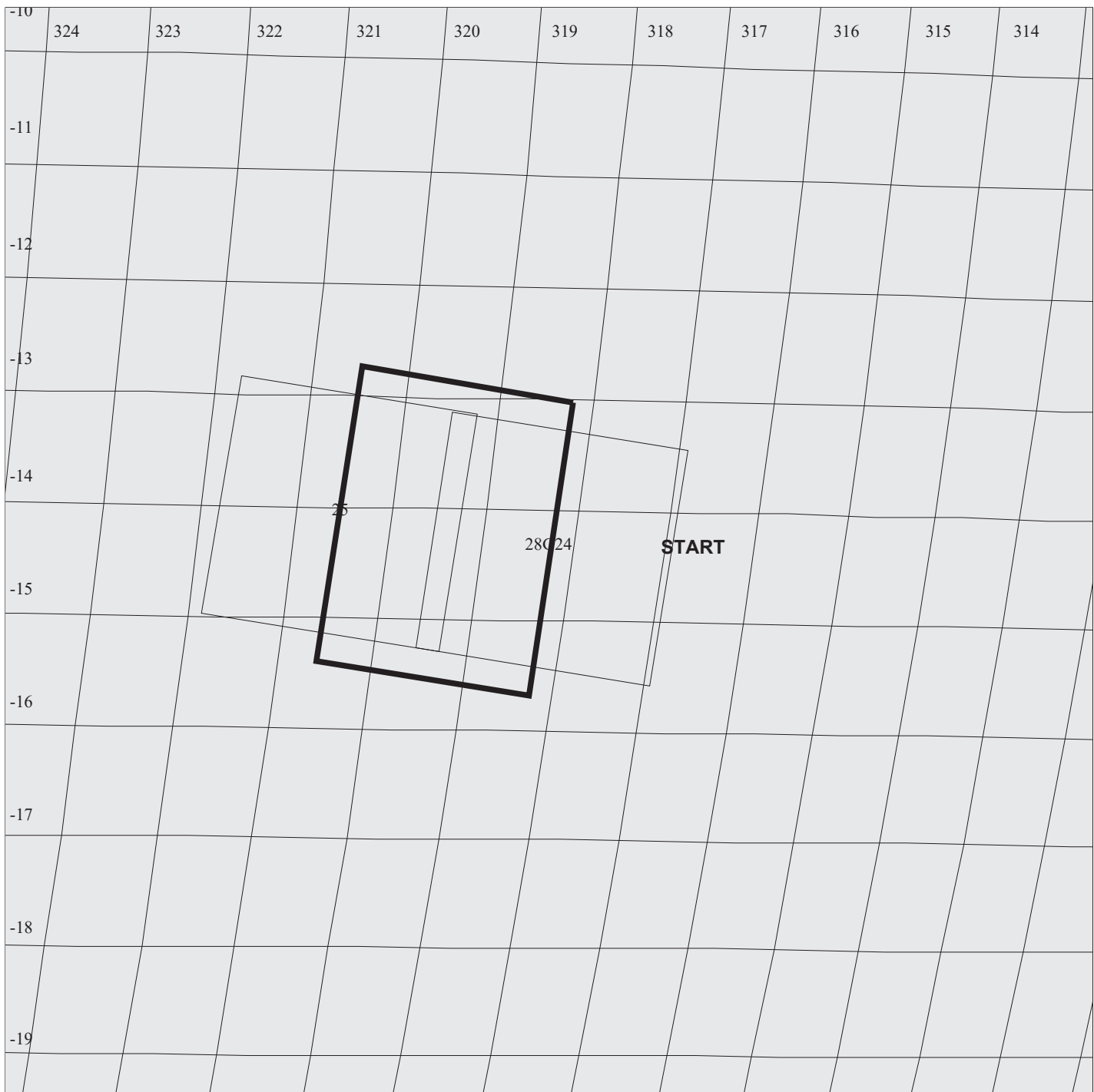
ALIAS: 28GSSMOOTH02

THINNING:

BODY PLOT TIME:TARGET-TIME D= 32 S= 10.000

DESCRIP:SMOOTH BRIGHT TERRAIN CONTEXT

Smooth Bright Terrain Context		ACTIVITY ID:	28GNSMOOTH02-		
		START TIME:	00-141/10:28:39.600		
Activity ID: Orbit 28 Target G Inst N OAPEL SMOOTH SeqNo 02 -					
Title	Smooth Bright Terrain Context		Instrument		NIMS
Requestor	SSI	Team	NIMS	Working Group	SWG
Time System	CDS	Load ID	Calendar Date	05/20/00	Week 20
Start	GEE+CDS	00000018:00:0	00-141/10:28:39.600	GEE+000/00:18:12.000	
End	GEE+CDS	00000019:10:0	00-141/10:29:46.933	GEE+000/00:19:19.333	
Duration		00000001:10:0	000/00:01:07.333	000/00:01:07.333	
Top Label	28GNSMOOTH02-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	300	Report Options	BOTH	Scan Platform	No
CDS Source	OAP	Spin State	DUAL	DMS	No
Observation Objective					
Stereo context for 28GSSMOOTH01.					
Image boundary of smooth bright terrain and possibly embayed grooved terrain, to access volcanic vs tectonic hypotheses for the formation of bright terrain and impactor populations on smooth bright terrain.					
ride-along behind SSI.					
Data Returned					
Design Detail					
Alias: 28GSSMOOTH02					
1x2 mosaic at latitude -16, West longitude 309 to 311.					
SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT					
Fixed Long Map (XLM), Gain 2, Grating Start 0, IM4, GLM442, GLM360					
Galileo Activity Plan Form			05/31/00	00:00:00	rev 6/95



165IG:TT= 0 TMC= 1 C= 3.65 XC= 0.00 BS= 0/9111 TC= 1(-14.2 319.4)
 A= 140 pD= 32 SR=17.450 RA50= 69.65 DEC50= 25.81 cone=153.71 clock=272.15
 118IG:#SB= 1 Cs= -7.31 XCs= 0.00 TPP= 26 SR= 3.700 RR=12.000 BM=F RC= 1 BS= 3/9111
 1:#s= 2 #p= 1 Cr= 0.00 XCr= 0.00

28GNBRTDRK02

DESIGN G3.2 herb : 4/ 3/2000 14:54:41

FILE:P.28GSBRTDRK02

TARGET BODY : GANYMEDE

MINI:m.28GSBRTDRK02

S/C EPH:/DATA/NAVIO/000224-tour.NS

PERIAPSIS:

START:GEE 00-141/10:10:27.600 +CDS 20:00:0

OBSERVATION:28GSBRTDRK02

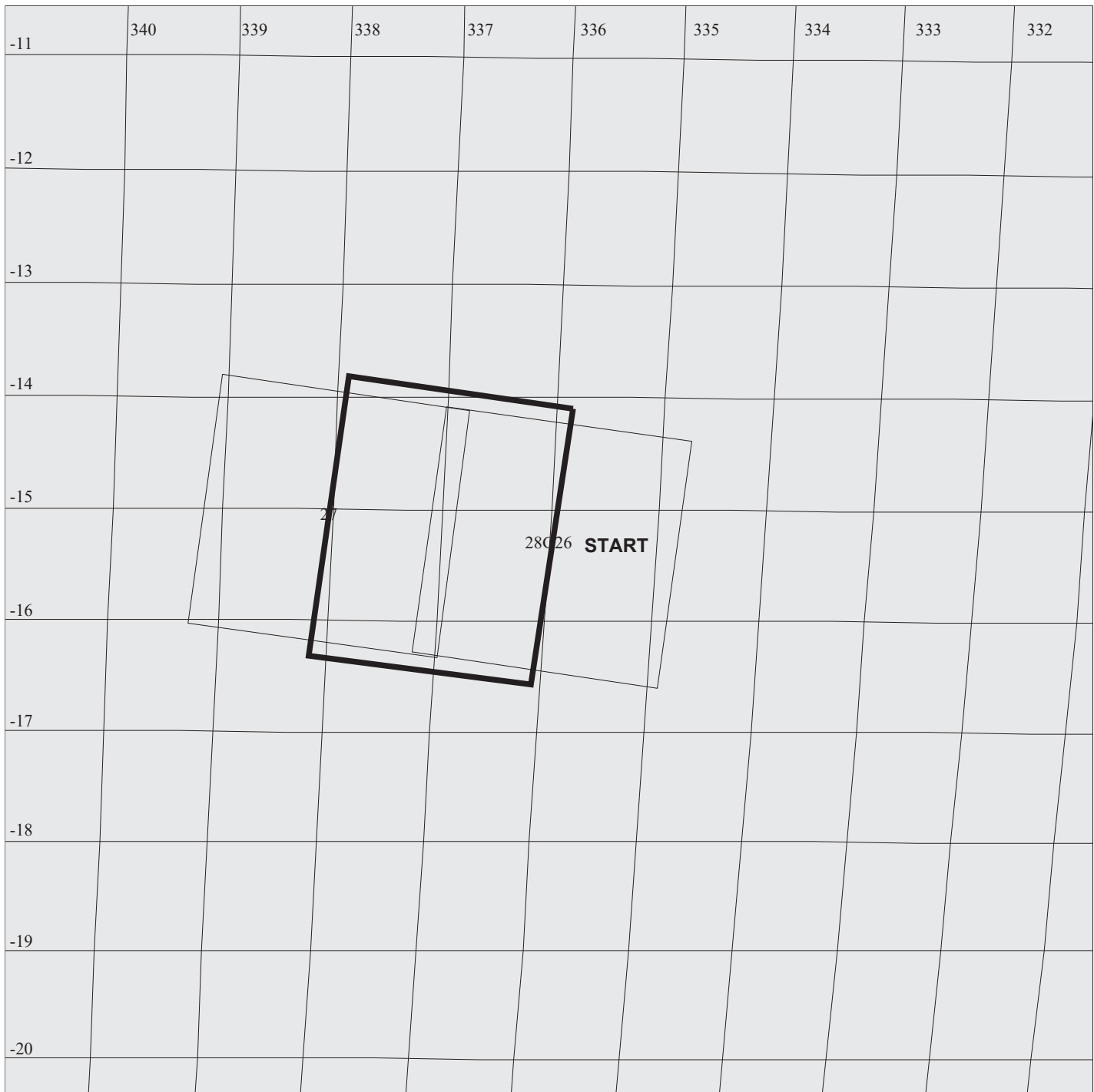
ALIAS: 28GSBRTDRK02

THINNING:

BODY PLOT TIME:TARGET-TIME D= 32 S= 10.000

DESCRIP:BRIGHT-DARK TERRAIN CONTEXT

Bright-Dark Terrain Boundary Context		ACTIVITY ID:	28GNBRTDRK02-		
		START TIME:	00-141/10:29:46.933		
Activity ID: Orbit 28 Target G Inst N OAPEL BRTDRK SeqNo 02 -					
Title	Bright-Dark Terrain Boundary Context		Instrument		NIMS
Requestor	SSI	Team	NIMS Working Group	SWG	
Time System	CDS	Load ID	Calendar Date	05/20/00	Week 20
Start	GEE+CDS	00000019:10:0	00-141/10:29:46.933	GEE+000/00:19:19.333	
End	GEE+CDS	00000020:10:0	00-141/10:30:47.600	GEE+000/00:20:20.000	
Duration		00000001:00:0	000/00:01:00.667	000/00:01:00.667	
Top Label	28GNBRTDRK02-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	300	Report Options	BOTH	Scan Platform	No
CDS Source	OAP	Spin State	DUAL	DMS	No
Observation Objective					
Stereo context for 28GSBRTDRK01.					
Image boundary of bright and dark terrain, to assess the nature of the breakup of dark terrain and volcanic vs tectonic hypotheses for the formation of bright terrain.					
ride-along behind SSI.					
Data Returned					
Design Detail					
Alias: 28GSBRTDRK02					
1x2 mosaic at latitude -14, West longitude 318 to 320.					
SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT					
Fixed Long Map (XLM), Gain 2, Grating Start 0, IM4, GLM442, GLM360					
Galileo Activity Plan Form			05/31/00	00:00:00	rev 6/95



165IH:TT= 0 TMC= 1 C= 3.65 XC= 0.00 BS= 0/9293 TC= 1(-15.2 337.0)
 A= 140 pD= 32 SR=17.450 RA50= 72.92 DEC50= 25.90 cone=150.85 clock=273.72
 118IH:#SB= 1 Cs= -7.31 XCs= 0.00 TPP= 26 SR= 3.700 RR=12.000 BM=F RC= 1 BS= 3/9293
 1:#s= 2 #p= 1 Cr= 0.00 XCr= 0.00

28GNNICHOL02

DESIGN G3.2 herb : 4/ 3/2000 14:56:17

FILE:P.28GSNICHOL02

TARGET BODY : GANYMEDE

MINI:m.28GSNICHOL02

S/C EPH:/DATA/NAVIO/000224-tour.NS

PERIAPSIS:

START:GEE 00-141/10:10:27.600 +CDS 21:00:0

OBSERVATION:28GSNICHOL02

ALIAS: 28GSNICHOL02

THINNING:

BODY PLOT TIME:TARGET-TIME D= 32 S= 10.000

DESCRIP:PRISTINE DARK TERRAIN CONTEXT

Pristine Dark Terrain Context		ACTIVITY ID:	28GNNICHOL02-		
		START TIME:	00-141/10:30:47.600		
Activity ID: Orbit 28 Target G Inst N OAPEL NICHOL SeqNo 02 -					
Title	Pristine Dark Terrain Context		Instrument		NIMS
Requestor	SSI	Team	NIMS	Working Group	SWG
Time System	CDS	Load ID	Calendar Date	05/20/00	Week 20
Start	GEE+CDS	00000020:10:0	00-141/10:30:47.600	GEE+000/00:20:20.000	
End	GEE+CDS	00000021:10:0	00-141/10:31:48.266	GEE+000/00:21:20.666	
Duration		00000001:00:0	000/00:01:00.666	000/00:01:00.666	
Top Label	28GNNICHOL02-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	300	Report Options	BOTH		
CDS Source	OAP	Spin State	DUAL	Scan Platform	No
				DMS	No
Observation Objective					
Stereo context for 28GSNICHOL01.					
Image pristine dark terrain, to assess nature of ancient surfaces and dark terrain impactor population at small sizes.					
ride-along behind SSI.					
Data Returned					
Design Detail					
Alias: 28GSNICHOL02					
1x2 mosaic at latitude -15, West longitude 336 to 338.					
SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT					
Fixed Long Map (XLM), Gain 2, Grating Start 0, IM4, GLM442, GLM360					
Galileo Activity Plan Form			05/31/00	00:00:00	rev 6/95



28GNARBELA02

DESIGN G3.2 herb : 4/ 3/2000 14:57:43

FILE:P.28GSARBELA02

TARGET BODY : GANYMEDE

MINI:m.28GSARBELA02

S/C EPH:/DATA/NAVIO/000224-tour.NS

PERIAPSIS:

START:GEE 00-141/10:10:27.600 +CDS 22:00:0

OBSERVATION:28GSARBELA02

165II:TT= 0 TMC= 1 C= 5.85 XC= -7.31 BS= 0/9475 TC= 1(-15.2 347.0)
 A= 140 pD= 136 SR=17.450 RA50= 74.21 DEC50= 26.33 cone=149.62 clock=273.45
 118II:#SB= 1 Cs= -6.50 XCs= 0.00 TPP= 26 SR= 3.700 RR= 3.900 BM=F RC= 1 BS= 3/9475
 1:#s= 2 #p= 3 Cr= 3.91 XCr= 7.31

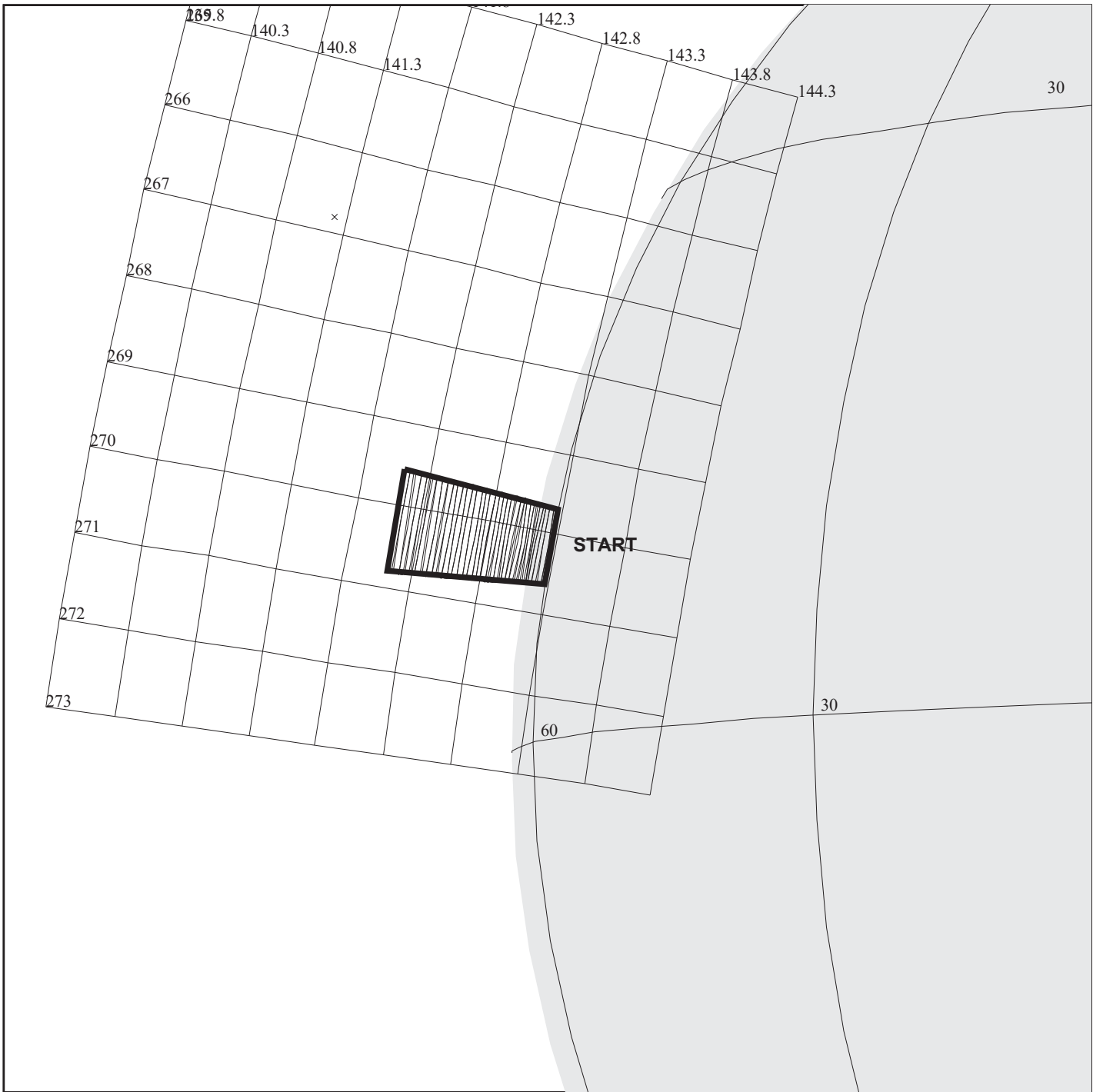
ALIAS: 28GSARBELA02

THINNING:

BODY PLOT TIME:TARGET-TIME D= 136 S= 10.000

DESCRIP:SMOOTH "PLANK" FEATURE CONTEXT

Smooth Plank Feature Context		ACTIVITY ID: 28GNARBELA02-	
		START TIME: 00-141/10:31:48.266	
Activity ID: Orbit 28 Target G Inst N OAPEL ARBELA SeqNo 02 -			
Title	Smooth Plank Feature Context	Instrument	
Requestor	SSI	Team NIMS	Working Group NIMS SWG
Time System	CDS	Load ID	Calendar Date 05/20/00 Week 20
Start	GEE+CDS	00000021:10:0	00-141/10:31:48.266 GEE+000/00:21:20.666
End	GEE+CDS	00000022:60:0	00-141/10:33:22.266 GEE+000/00:22:54.666
Duration		00000001:50:0	000/00:01:34.000 000/00:01:34.000
Top Label	28GNARBELA02-		
Bottom Label			
Plot Key	NIMS	Type	SCI
CDS Bytes	300	Report Options	BOTH
CDS Source	OAP	Spin State	DUAL
		Scan Platform	No
		DMS	No
Observation Objective			
Investigation of terminus of smooth plank feature and its relationship with dark terrain and bright grooved terrain, also stereo context for 28GSARBELA01. Includes high resolution of dark grooved terrain and fractured craters in Nicholson Regio.			
ride-along behind SSI.			
Data Returned			
Design Detail			
Alias: 28GSARBELA02			
2x3 mosaic at latitude -13 TO -17, West longitude 345 to 349.			
SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT			
Fixed Long Map (XLM), Gain 2, Grating Start 0, IM4, GLM442, GLM360			
Galileo Activity Plan Form		05/31/00 00:00:00	rev 6/95



28GNLMSCAN01

165DB:TT= 0 TMC= 1 C= 0.00 XC= 0.00 BS= 0/0385 TC= 1(10 60)
 A= 142 pD= 1810 SR=17.450 RA50= 80.68 DEC50= 29.64 cone=143.28 clock=270.15
 117DB:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/0385
 1:#s= 1 Cs= -17.80 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 1810 rD= 2

TARGET G3.1 lisac: 4/10/2000 11:54:24

FILE:P.28GNLMSCAN01

TARGET BODY : GANYMEDE

MINI:m.target

S/C EPH:/DATA/NAVIO/000224-tour.NS

PERIAPSIS:

START:GEE 00-141/10:10:27.600 +CDS 27:00:0

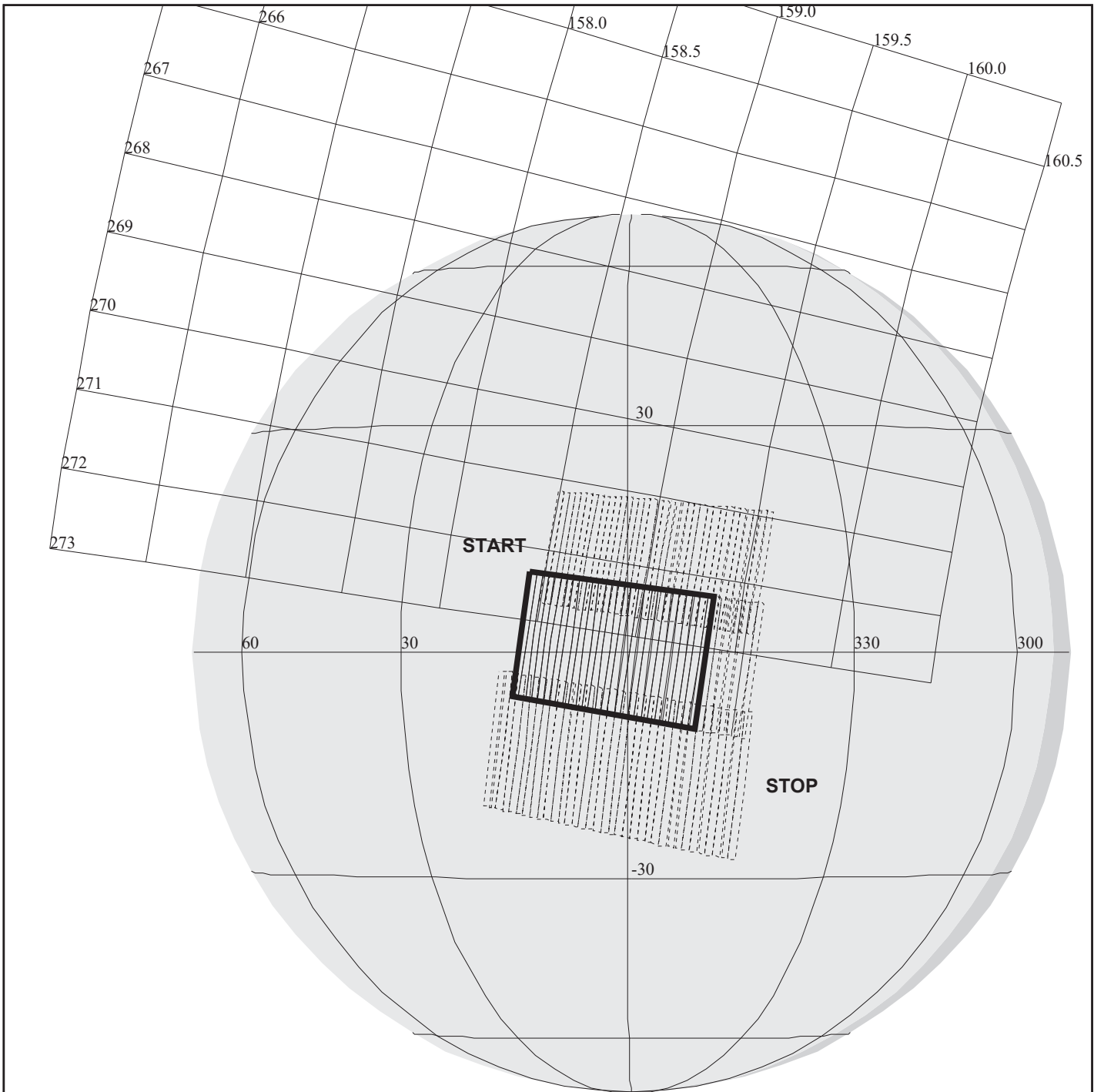
OBSERVATION:28GNLMSCAN01

THINNING:NIM 2

BODY PLOT TIME:TARGET-TIME D= 1810 S= 2.000

DESCRIP:GANYMEDE_LIMB_SCAN

Ganymede Limb Scan		ACTIVITY ID:	28GNLMSCAN01-		
		START TIME:	00-141/10:36:44.933		
Activity ID: Orbit 28 Target G Inst N OAPEL LMSCAN SeqNo 01 -					
Title	Ganymede LIMB SCAN		Instrument		NIMS
Requestor	NIMS-SWG/M. SEGURA		Team	NIMS Working Group	SWG
Time System	CDS	Load ID	Calendar Date	05/20/00	Week 20
Start	GEE+CDS	00000026:00:0	00-141/10:36:44.933	GEE+000/00:26:17.333	
End	GEE+CDS	00000037:00:0	00-141/10:47:52.266	GEE+000/00:37:24.666	
Duration		00000011:00:0	000/00:11:07.333	000/00:11:07.333	
Top Label	28GNLMSCAN01-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	300	Report Options	BOTH	Scan Platform	No
CDS Source	OAP	Spin State	DUAL	DMS	No
Observation Objective					
Search for Ganymede atmosphere.					
Data Returned					
Design Detail					
BTG=3.46 MB, TICS=530, FMT=MPW					
One LM scan from off-limb to on target.					
SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT					
Fixed Long Map (XLM), Gain 4, Grating Start 0, MPW, GLM442, GLM360					
Galileo Activity Plan Form			05/31/00	00:00:00	rev 6/95



28GNPERRIN01

165DC:TT= 0 TMC= 1 C= -8.50 XC= -8.00 BS= 0/3853 TC= 3
 A= 728 pD= 5450 SR=17.450 RA50= 64.55 DEC50= 24.35 cone=158.55 clock=271.95
 117DC:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/3853
 1:#s= 3 Cs= 17.80 XCs= 0.00 Cr= -17.80 XCr= 8.00 sD= 1790 rD= 40

TARGET G3.1 lisac: 4/10/2000 11:54:24

FILE:P.28GNPERRIN01

TARGET BODY : GANYMEDE

MINI:m.target

S/C EPH:/DATA/NAVIO/000224-tour.NS

PERIAPSIS:

START:GEE 00-141/10:10:27.600 +CDS 101:00:0

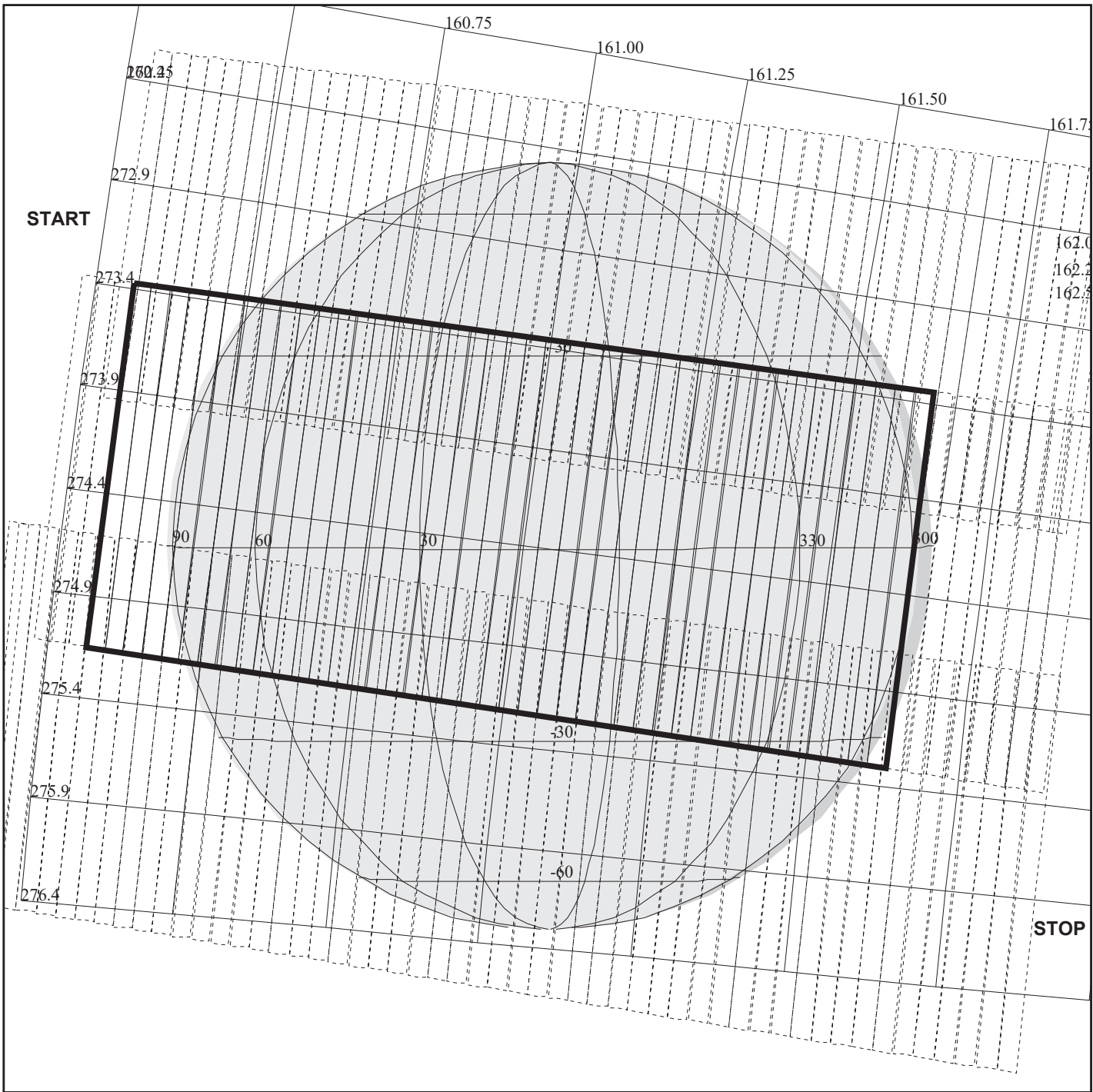
OBSERVATION:28GNPERRIN01

THINNING:NIM 2

BODY PLOT TIME:TARGET-TIME D= 5450 S= 0.800

DESCRIP:GANYMEDE_PERRINE_REGION

Ganymede Perrine Region		ACTIVITY ID:	28GNPERRIN01-		
		START TIME:	00-141/11:48:32.266		
Activity ID: Orbit 28 Target G Inst N OAPEL PERRIN SeqNo 01 -					
Title	Ganymede Perrine Region		Instrument		NIMS
Requestor	NIMS-SWG/M. SEGURA		Team	NIMS Working Group	SWG
Time System	CDS	Load ID	Calendar Date	05/20/00	Week 20
Start	GEE+CDS 00000097:00:0		00-141/11:48:32.266	GEE+000/01:38:04.666	
End	GEE+CDS 00000131:00:0		00-141/12:22:54.933	GEE+000/02:12:27.333	
Duration	00000034:00:0		000/00:34:22.667	000/00:34:22.667	
Top Label	28GNPERRIN01-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	300	Report Options	BOTH		
CDS Source	OAP	Spin State	DUAL	Scan Platform	No
				DMS	No
Observation Objective					
To determine surface compositional differences.					
Data Returned					
Design Detail					
BTG=7.29 MB, TICS=424, FMT=MPW					
LM, 3 scan observation of the Perrine Region.					
Due to the loss of the LPU record mode, only the center scan was recorded.					
SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT					
Fixed Long Map (XLM), Gain 2, Grating Start 0, MPW, GLM442, GLM360					
Galileo Activity Plan Form			05/31/00	00:00:00	rev 6/95



165DD:TT= 0 TMC=1 C= -13.00 XC= -7.30 BS= 0/9717 TC= 3
 A= 728 pD= 0 SR=17.450 RA50= 62.89 DEC50= 23.38 cone=160.30 clock=273.11
 117DD:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/9717
 1:#s= 3 Cs= 27.00 XCs= 0.00 Cr= -27.00 XCr= 7.00 sD= 2730 rD= 44

28GNGLOBAL01

TARGET G3.1 lisac: 4/10/2000 11:54:24

FILE:P.28GNGLOBAL01

TARGET BODY : GANYMEDE

MINI:m.target

S/C EPH:/DATA/NAVIO/000224-tour.NS

PERIAPSIS:

START:GEE 00-141/10:10:27.600 +CDS 353:00:0

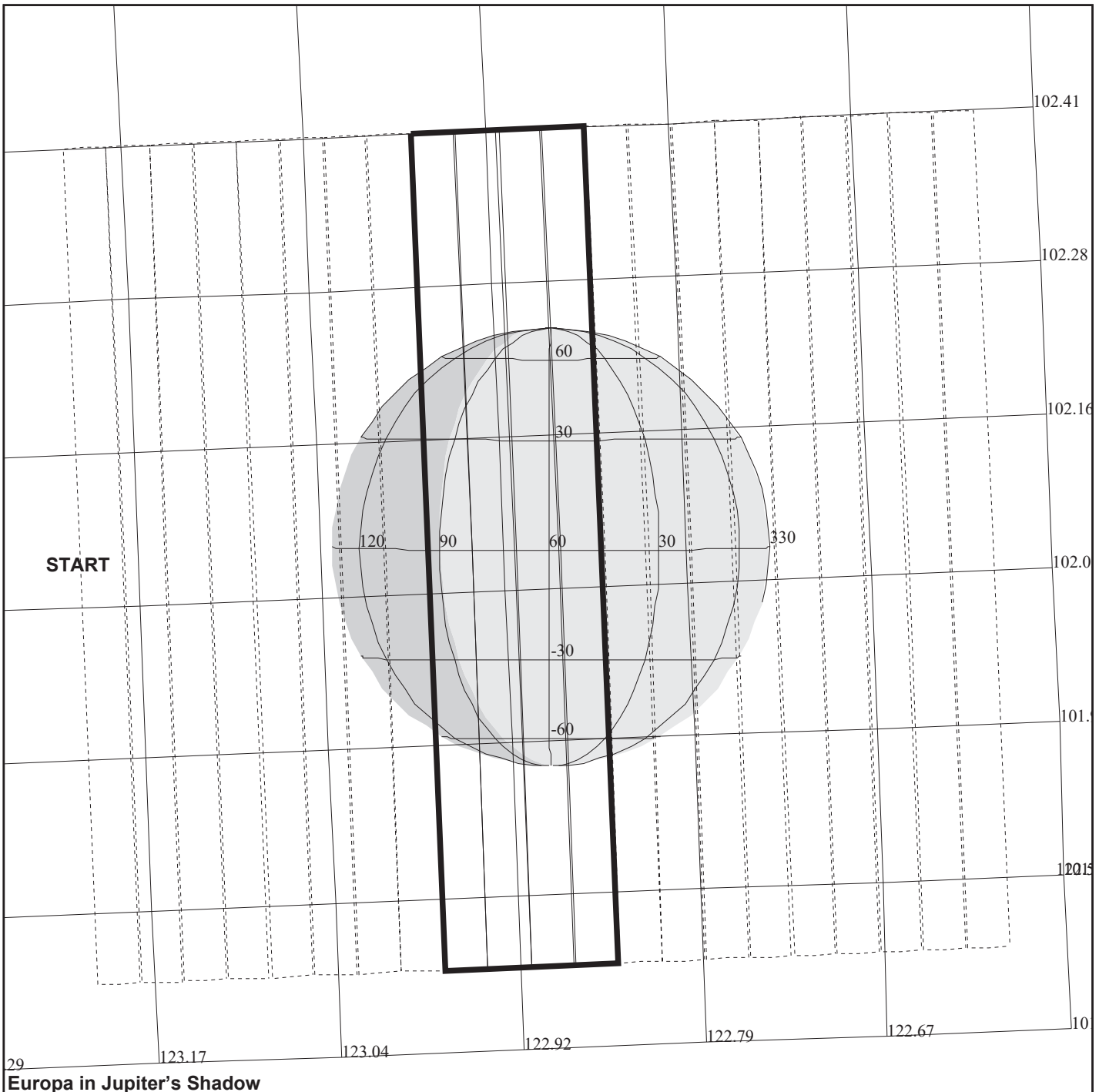
OBSERVATION:28GNGLOBAL01

THINNING:NIM 2

BODY PLOT TIME:TARGET-TIME D= 0 S= 0.700

DESCRIP:GANYMEDE_GLOBAL_COMPOSITION_MAP

Ganymede Global Composition Map		ACTIVITY ID:	28GNGLOBAL01-		
		START TIME:	00-141/16:03:20.266		
Activity ID: Orbit 28 Target G Inst N OAPEL GLOBAL SeqNo 01 -					
Title	Ganymede Global Composition Map		Instrument		NIMS
Requestor	NIMS-SWG/M. SEGURA		Team	NIMS Working Group	SWG
Time System	CDS	Load ID	Calendar Date	05/20/00	Week 20
Start	GEE+CDS 00000349:00:0		00-141/16:03:20.266	GEE+000/05:52:52.666	
End	GEE+CDS 00000399:00:0		00-141/16:53:53.600	GEE+000/06:43:26.000	
Duration	00000050:00:0		000/00:50:33.334	000/00:50:33.334	
Top Label	28GNGLOBAL01-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	300	Report Options	BOTH		
CDS Source	OAP	Spin State	DUAL	Scan Platform	No
			DMS		No
Observation Objective					
To obtain a spectral map of the whole satellite disk.					
Data Returned					
Design Detail					
BTG=10.93 MB, TICS=635, FMT=MPW					
LM, Global observation					
Due to the loss of the LPU record mode, only the center scan was recorded.					
SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT					
Fixed Long Map (XLM), Gain 2, Grating Start 0, MPW, GLM442, GLM360					
Galileo Activity Plan Form			05/31/00	00:00:00	rev 6/95



Europa in Jupiter's Shadow

165DE:TT= 0 TMC= 1 C= 5.50 XC= 0.00 BS= 0/3781 TC= 3
 A= 728 pD= 1082 SR=17.450 RA50=350.10 DEC50= -4.87 cone=123.20 clock=102.07
 117DE:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/3781
 1:#s= 1 Cs= -10.60 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 1082 rD= 44

28ENECLPSE01

TARGET G3.1 lisac: 4/10/2000 11:54:24

FILE:P.28ENECLPSE01

TARGET BODY : EUROPA

MINI:m.target

S/C EPH:/DATA/NAVIO/000224-tour.NS

PERIAPSIS:

START:EEE 00-141/21:28:54.933 +CDS 34:00:0

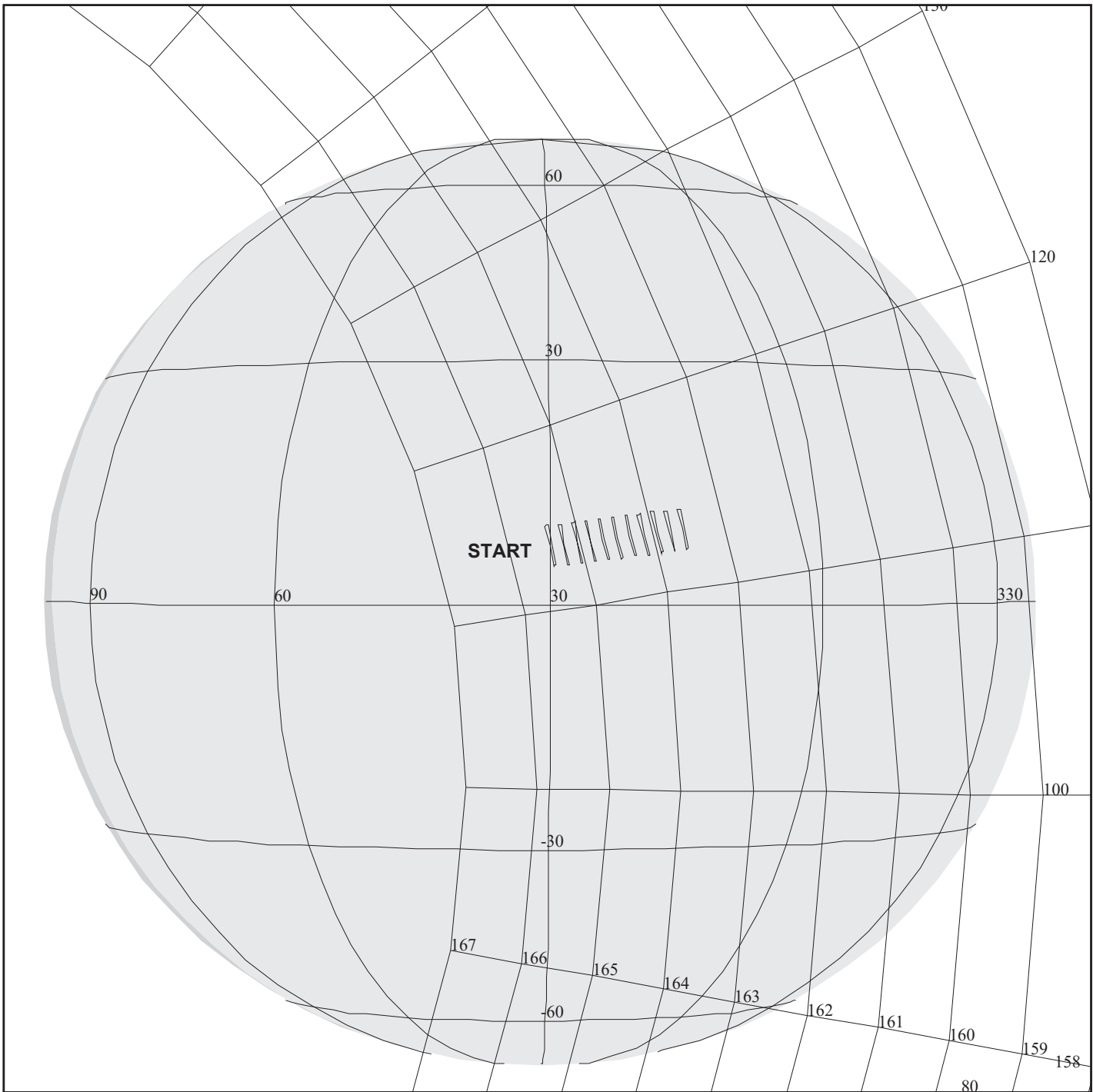
OBSERVATION:28ENECLPSE01

THINNING:NIM 2

BODY PLOT TIME:TARGET-TIME D= 1082 S= 0.400

DESCRIP:EUROPA_ECLIPSE_OBSERVATION

Europa Eclipse Obs		ACTIVITY ID: 28ENECLPSE01-	
		START TIME: 00-141/21:59:14.933	
Activity ID: Orbit 28 Target E Inst N OAPEL ECLPSE SeqNo 01 -			
Title	Ganymede Hi-Res Feature	Instrument	
Requestor	NIMS-SWG/M. SEGURA	Team NIMS	Working Group NIMS SWG
Time System	CDS	Load ID	Calendar Date 05/20/00 Week 20
Start	EEE+CDS 00000030:00:0	00-141/21:59:14.933	EEE+000/00:30:20.000
End	EEE+CDS 00000040:00:0	00-141/22:09:21.599	EEE+000/00:40:26.666
Duration	00000010:00:0	000/00:10:06.666	000/00:10:06.666
Top Label	28ENECLPSE01-		
Bottom Label			
Plot Key	NIMS	Type	SCI
CDS Bytes	300	Report Options	BOTH
CDS Source	OAP	Spin State	DUAL
		Scan Platform	No
		DMS	No
Observation Objective			
A distant observation of Europa while within Jupiter's shadow.			
Data Returned			
Design Detail			
BTG=0.97, TICS=72, FMT=MPW			
Due to the loss of the LPU record mode, only the central third of the scan was recorded.			
SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT			
Fixed Long Map (XLM), Gain 4, Grating Start 0, MPW, ELM442, ELM360			
Galileo Activity Plan Form		05/31/00 00:00:00	rev 6/95



28JNNEBRLT01

165DI:TT= 0 TMC= 1 C= 0.00 XC= 0.00 BS= 0/6651 TC= 1(7 30)
 A= 728 pD= 1992 SR=17.450 RA50= 28.69 DEC50= 13.91 cone=165.48 clock=113.59
 117DI:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/6651
 1:#s= 1 Cs= -19.70 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 1992 rD= 2

TARGET G3.1 lisac: 4/10/2000 11:54:24

FILE:P.28JNNEBRLT01

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/000224-tour.NS

PERIAPSIS:

THINNING:NIM 7

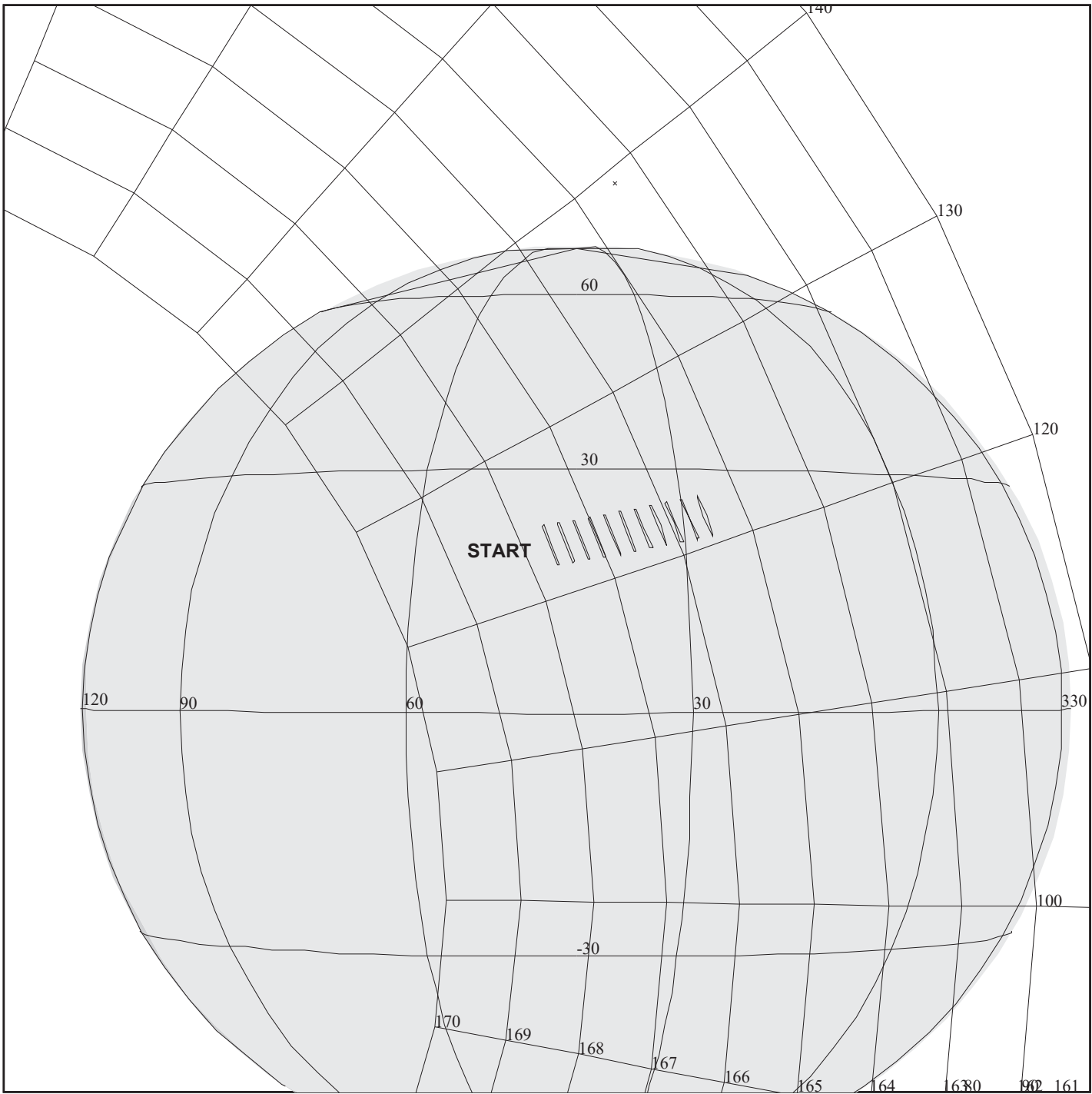
START:JEE 00-142/04:52:47.600 +CDS 380:00:0

BODY PLOT TIME:TARGET-TIME D= 1992 S= 0.900

OBSERVATION:28JNNEBRLT01

DESCRIP:JUPITER_NEB_REALTIME_OBS

Jupiter NEB R/T Obs 01		ACTIVITY ID: 28JNNEBRLT01-	
		START TIME: 00-142/11:12:58.266	
Activity ID: Orbit 28 Target J Inst N OAPEL NEBRLT SeqNo 01 -			
Title	Jupiter NEB R/T Obs 01	Instrument	NIMS
Requestor	NIMS-SWG/M. SEGURA	Team	NIMS Working Group
Requestor		Working Group	AWG
Time System	CDS	Load ID	Calendar Date 05/21/00 Week 20
Start	JEE+CDS 00000376:00:0	00-142/11:12:58.266	JEE+000/06:20:10.666
End	JEE+CDS 00000391:00:0	00-142/11:28:08.266	JEE+000/06:35:20.666
Duration	00000015:00:0	000/00:15:10.000	000/00:15:10.000
Top Label	28JNNEBRLT01-		
Bottom Label			
Plot Key	NIMS	Type	SCI
CDS Bytes	300	Report Options	BOTH
CDS Source	OAP	Spin State	DUAL
		Scan Platform	No
		DMS	No
Observation Objective			
North Equatorial Belt (NEB) scan. Central meridian spectra.			
Data Returned			
Design Detail			
R/T Enc BTG=0.128 MB, BDT Center to Limb LM mode			
Mirror Blocked (11011,11011) (1B,1B)			
SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT			
Fixed Long Map (XLM), Gain 2, Grating Start 0, R/T, JLM408			
Galileo Activity Plan Form		05/31/00 00:00:00	rev 6/95



28JNNTZRLT01

165DJ:TT= 0 TMC= 1 C= 0.00 XC= 0.00 BS= 0/0655 TC= 1(20 45)
 A= 728 pD= 1992 SR=17.450 RA50= 30.79 DEC50= 16.31 cone=167.69 clock=123.28
 117DJ:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/0655
 1:#s= 1 Cs= -19.70 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 1992 rD= 2

TARGET G3.1 lisac: 4/10/2000 11:54:24

FILE:P.28JNNTZRLT01

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/000224-tour.NS

PERIAPSIS:

START:JEE 00-142/04:52:47.600 +CDS 402:00:0

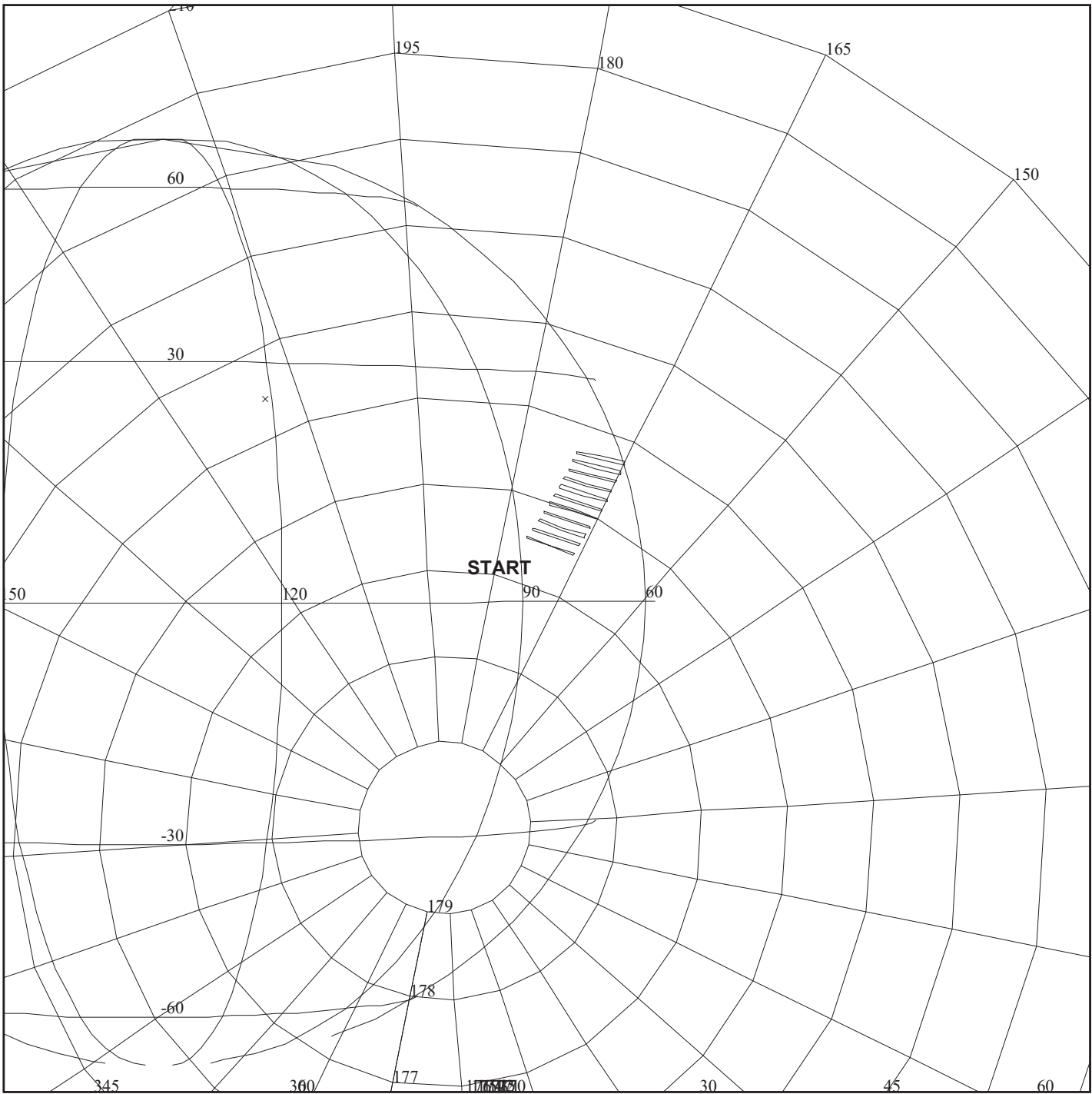
OBSERVATION:28JNNTZRLT01

THINNING:NIM 7

BODY PLOT TIME:TARGET-TIME D= 1992 S= 0.900

DESCRIP:JUPITER_NTZ_REALTIME_OBS

Jupiter NTZ R/T Obs 01		ACTIVITY ID: 28JNNTZRLT01-	
		START TIME: 00-142/11:35:12.933	
Activity ID: Orbit 28 Target J Inst N OAPEL NTZRLT SeqNo 01 -			
Title	Jupiter NTZ R/T Obs 01	Instrument	NIMS
Requestor	NIMS-SWG/M. SEGURA	Team NIMS Working Group	AWG
Time System	CDS	Load ID	Calendar Date 05/21/00 Week 20
Start	JEE+CDS 00000398:00:0	00-142/11:35:12.933	JEE+000/06:42:25.333
End	JEE+CDS 00000413:00:0	00-142/11:50:22.933	JEE+000/06:57:35.333
Duration	00000015:00:0	000/00:15:10.000	000/00:15:10.000
Top Label	28JNNTZRLT01-		
Bottom Label			
Plot Key	NIMS	Type	SCI
CDS Bytes	300	Report Options	BOTH
CDS Source	OAP	Spin State	DUAL
		Scan Platform	No
		DMS	No
Observation Objective			
North Temperate Zone (NTZ) scan. Central meridian spectra.			
Data Returned			
Design Detail			
R/T Enc BTG=0.128 MB, BDT Center to Limb LM mode			
Mirror Blocked (11011,11011) (1B,1B)			
SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT			
Fixed Long Map (XLM), Gain 2, Grating Start 0, R/T, JLM408			
Galileo Activity Plan Form		05/31/00 00:00:00	rev 6/95



28JNNEBRLT02

165DK:TT= 0 TMC= 1 C= 0.00 XC= 0.00 BS= 0/2140 TC= 1(7 85)
 A= 728 pD= 1992 SR=17.450 RA50= 41.32 DEC50= 18.49 cone=176.50 clock=170.88
 117DK:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/2140
 1:#s= 1 Cs= -19.70 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 1992 rD= 2

TARGET G3.1 lisac: 4/10/2000 11:54:24

FILE:P.28JNNEBRLT02

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/000224-tour.NS

PERIAPSIS:

THINNING:NIM 7

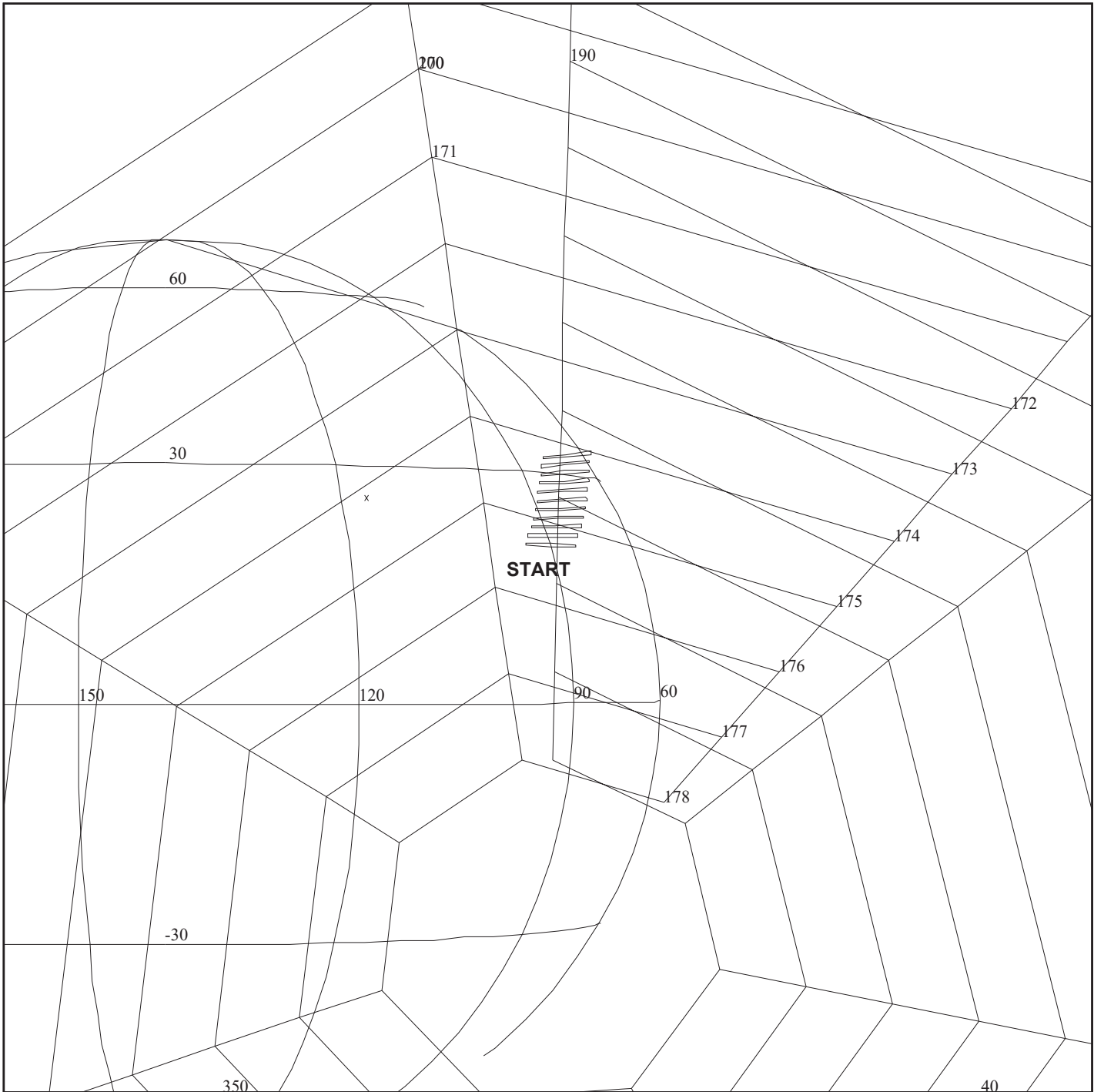
START:JEE 00-142/04:52:47.600 +CDS 575:00:0

BODY PLOT TIME:TARGET-TIME D= 1992 S= 0.900

OBSERVATION:28JNNEBRLT02

DESCRIP:JUPITER_NEB_REALTIME_OBS

Jupiter NEB R/T Obs 02		ACTIVITY ID: 28JNNEBRLT02-	
		START TIME: 00-142/14:30:08.266	
Activity ID: Orbit 28 Target J Inst N OAPEL NEBRLT SeqNo 02 -			
Title	Jupiter NEB R/T Obs 02	Instrument	NIMS
Requestor	NIMS-SWG/M. SEGURA	Team NIMS Working Group	AWG
Time System	CDS	Load ID	Calendar Date 05/21/00 Week 20
Start	JEE+CDS 00000571:00:0	00-142/14:30:08.266	JEE+000/09:37:20.666
End	JEE+CDS 00000586:00:0	00-142/14:45:18.266	JEE+000/09:52:30.666
Duration	00000015:00:0	000/00:15:10.000	000/00:15:10.000
Top Label	28JNNEBRLT02-		
Bottom Label			
Plot Key	NIMS	Type	SCI
CDS Bytes	300	Report Options	BOTH
CDS Source	OAP	Spin State	DUAL
		Scan Platform	No
		DMS	No
Observation Objective			
North Equatorial Belt (NEB) scan. Central meridian spectra.			
Data Returned			
Design Detail			
R/T Enc BTG=0.128 MB, BDT Center to Limb LM mode			
Near cone-pole			
Mirror Blocked (11011,11011) (1B,1B)			
SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT			
Fixed Long Map (XLM), Gain 2, Grating Start 0, R/T, JLM408			
Galileo Activity Plan Form		05/31/00 00:00:00	rev 6/95



165DL:TT= 0 TMC= 1 C= 0.00 XC= 0.00 BS= 0/4870 TC= 1(20 90)
 A= 728 pD= 1992 SR=17.450 RA50= 42.14 DEC50= 19.98 cone=175.55 clock=191.08
 117DL:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/4870
 1:#s= 1 Cs= -19.70 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 1992 rD= 2

28JNNTZRLT02

TARGET G3.1 lisac: 4/10/2000 11:54:24

FILE:P.28JNNTZRLT02

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/000224-tour.NS

PERIAPSIS:

START:JEE 00-142/04:52:47.600 +CDS 590:00:0

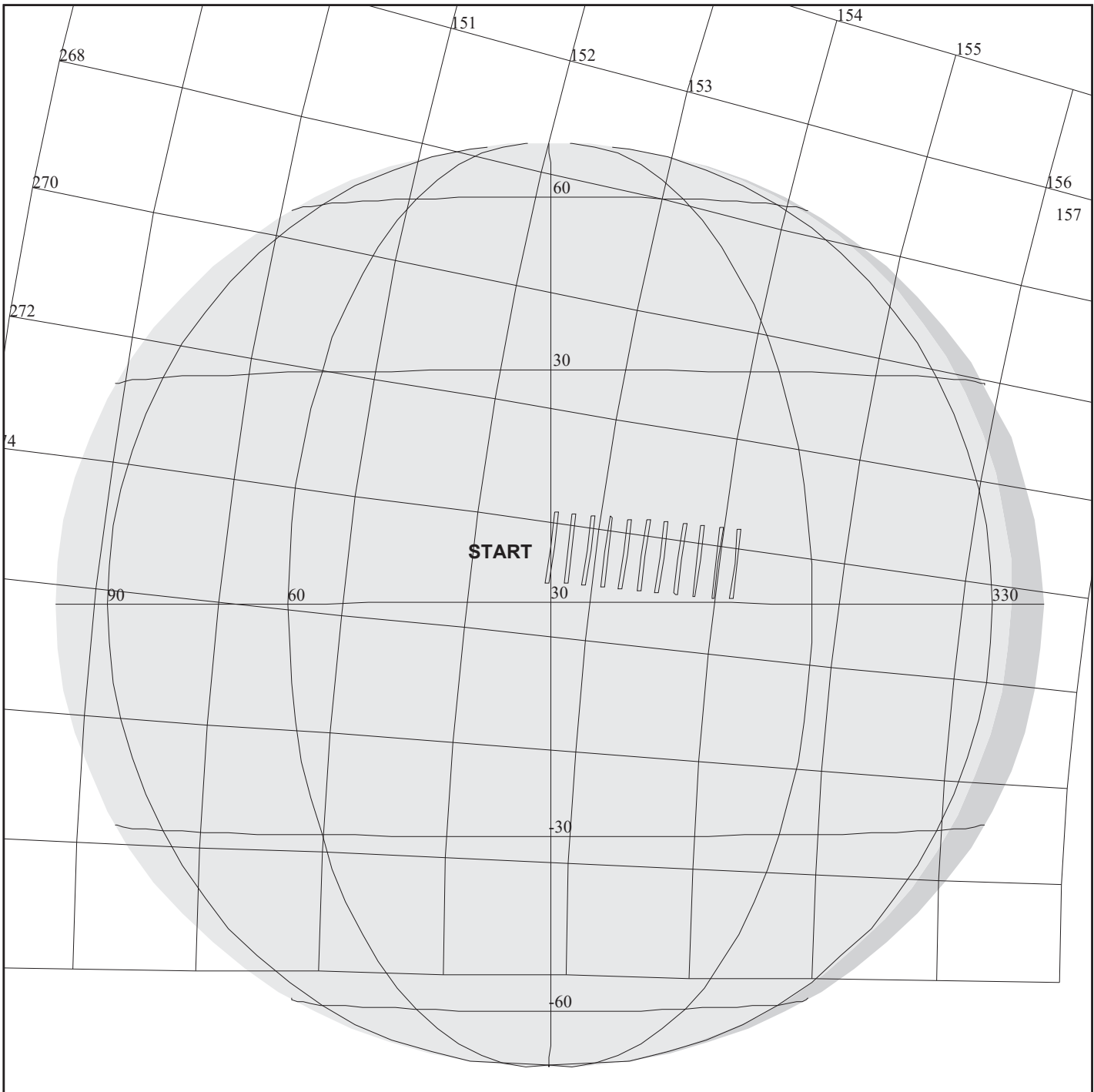
OBSERVATION:28JNNTZRLT02

THINNING:NIM 7

BODY PLOT TIME:TARGET-TIME D= 1992 S= 0.900

DESCRIP:JUPITER_NTZ_REALTIME_OBS

Jupiter NTZ R/T Obs 02		ACTIVITY ID: 28JNNTZRLT02-	
		START TIME: 00-142/14:45:18.266	
Activity ID: Orbit 28 Target J Inst N OAPEL NTZRLT SeqNo 02 -			
Title	Jupiter NTZ R/T Obs 02	Instrument	NIMS
Requestor	NIMS-SWG/M. SEGURA	Team NIMS Working Group	AWG
Time System	CDS	Load ID	Calendar Date 05/21/00 Week 20
Start	JEE+CDS 00000586:00:0	00-142/14:45:18.266	JEE+000/09:52:30.666
End	JEE+CDS 00000601:00:0	00-142/15:00:28.266	JEE+000/10:07:40.666
Duration	00000015:00:0	000/00:15:10.000	000/00:15:10.000
Top Label	28JNNTZRLT02-		
Bottom Label			
Plot Key	NIMS	Type	SCI
CDS Bytes	300	Report Options	BOTH
CDS Source	OAP	Spin State	DUAL
		Scan Platform	No
		DMS	No
Observation Objective			
North Temperate Zone (NTZ) scan. Central meridian spectra.			
Data Returned			
Design Detail			
R/T Enc BTG=0.128 MB, BDT Center to Limb LM mode near cone pole Mirror Blocked (11011,11011) (1B,1B)			
Fixed Long Map (XLM), Gain 2, Grating Start 0, R/T, JLM408			
Galileo Activity Plan Form		05/31/00 00:00:00	rev 6/95



28JNNEBRLT03

165DM:TT= 0 TMC=1 C= 0.00 XC= 0.00 BS= 0/5860 TC= 1(7 30)
 A= 728 pD= 1992 SR=17.450 RA50= 71.12 DEC50= 25.13 cone=152.62 clock=274.42
 117DM:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/5860
 1:#s= 1 Cs= 19.70 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 1992 rD= 2

TARGET G3.1 lisac: 4/10/2000 11:54:24

FILE:P.28JNNEBRLT03

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/000224-tour.NS

PERIAPSIS:

THINNING:NIM 7

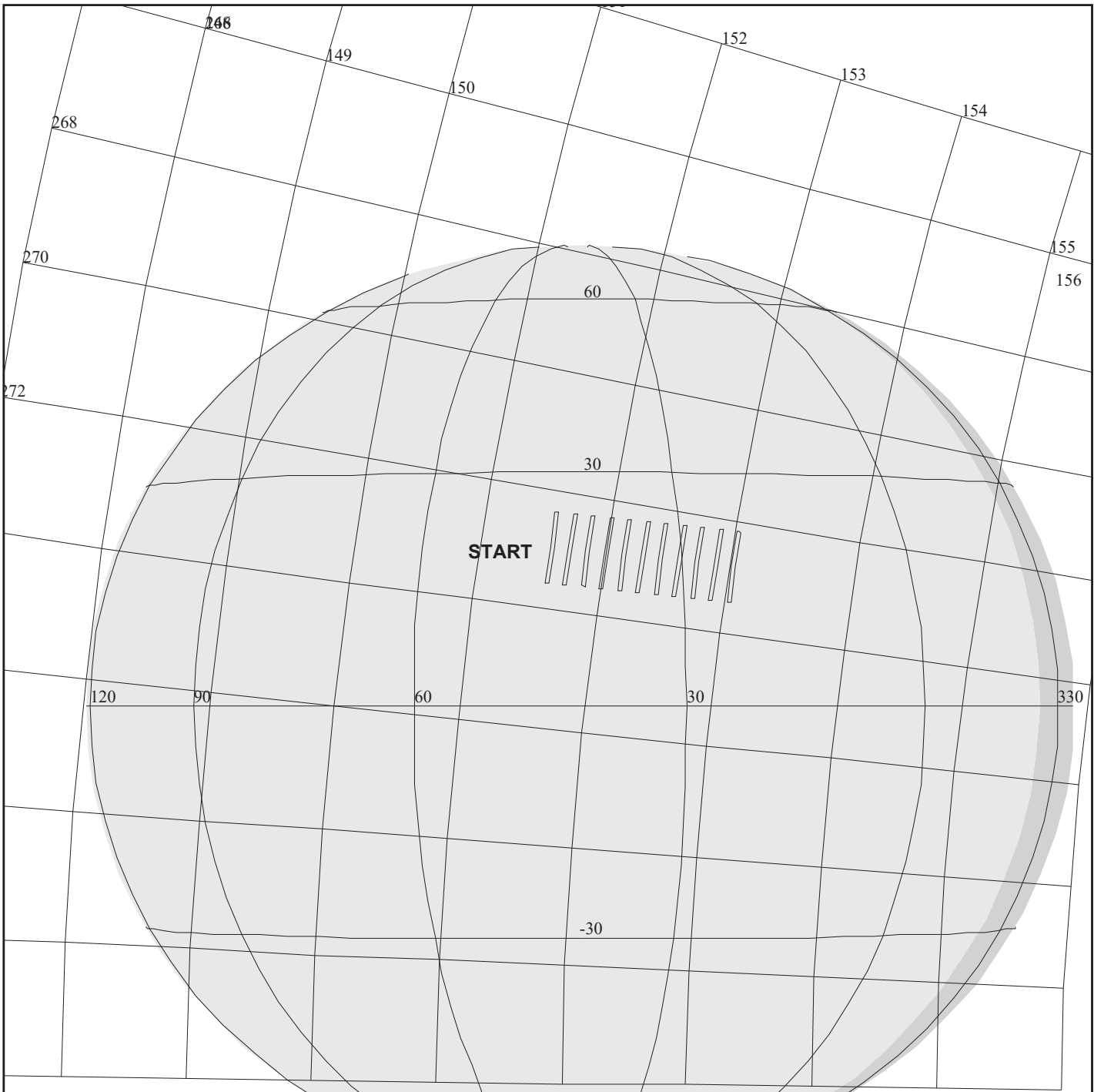
START:JEE 00-142/04:52:47.600 +CDS 1035:00:0

BODY PLOT TIME:TARGET-TIME D= 1992 S= 0.900

OBSERVATION:28JNNEBRLT03

DESCRIP:JUPITER_NEB_REALTIME_OBS

Jupiter NEB R/T Obs 03		ACTIVITY ID:	28JNNEBRLT03-		
		START TIME:	00-142/22:15:14.933		
Activity ID: Orbit 28 Target J Inst N OAPEL NEBRLT SeqNo 03 -					
Title	Jupiter NEB R/T Obs 03		Instrument	NIMS	
Requestor	NIMS-SWG/M. SEGURA		Team	NIMS Working Group	AWG
Time System	CDS	Load ID	Calendar Date	05/21/00	Week 20
Start	JEE+CDS 00001031:00:0		00-142/22:15:14.933	JEE+000/17:22:37.333	
End	JEE+CDS 00001046:00:0		00-142/22:30:24.933	JEE+000/17:37:37.333	
Duration	00000015:00:0		000/00:15:10.000	000/00:15:10.000	
Top Label	28JNNEBRLT03-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	300	Report Options	BOTH		
CDS Source	OAP	Spin State	DUAL	Scan Platform	No
			DMS		No
Observation Objective					
North Equatorial Belt (NEB) scan. Central meridian spectra.					
Data Returned					
Design Detail					
R/T Enc BTG=0.128 MB, BDT Center to Limb LM mode					
Mirror Blocked (11011,11011) (1B,1B)					
SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT					
Fixed Long Map (XLM), Gain 2, Grating Start 0, R/T, JLM408					
Galileo Activity Plan Form			05/31/00	00:00:00	rev 6/95



28JNNTZRLT03

165DN:TT= 0 TMC= 1 C= 0.00 XC= 0.00 BS= 0/9500 TC= 1(20 45)
 A= 728 pD= 1992 SR=17.450 RA50= 72.06 DEC50= 26.07 cone=151.55 clock=272.96
 117DN:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/9500
 1:#s= 1 Cs= 19.70 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 1992 rD= 2

TARGET G3.1 lisac: 4/10/2000 11:54:24

FILE:P.28JNNTZRLT03

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/000224-tour.NS

PERIAPSIS:

THINNING:NIM 7

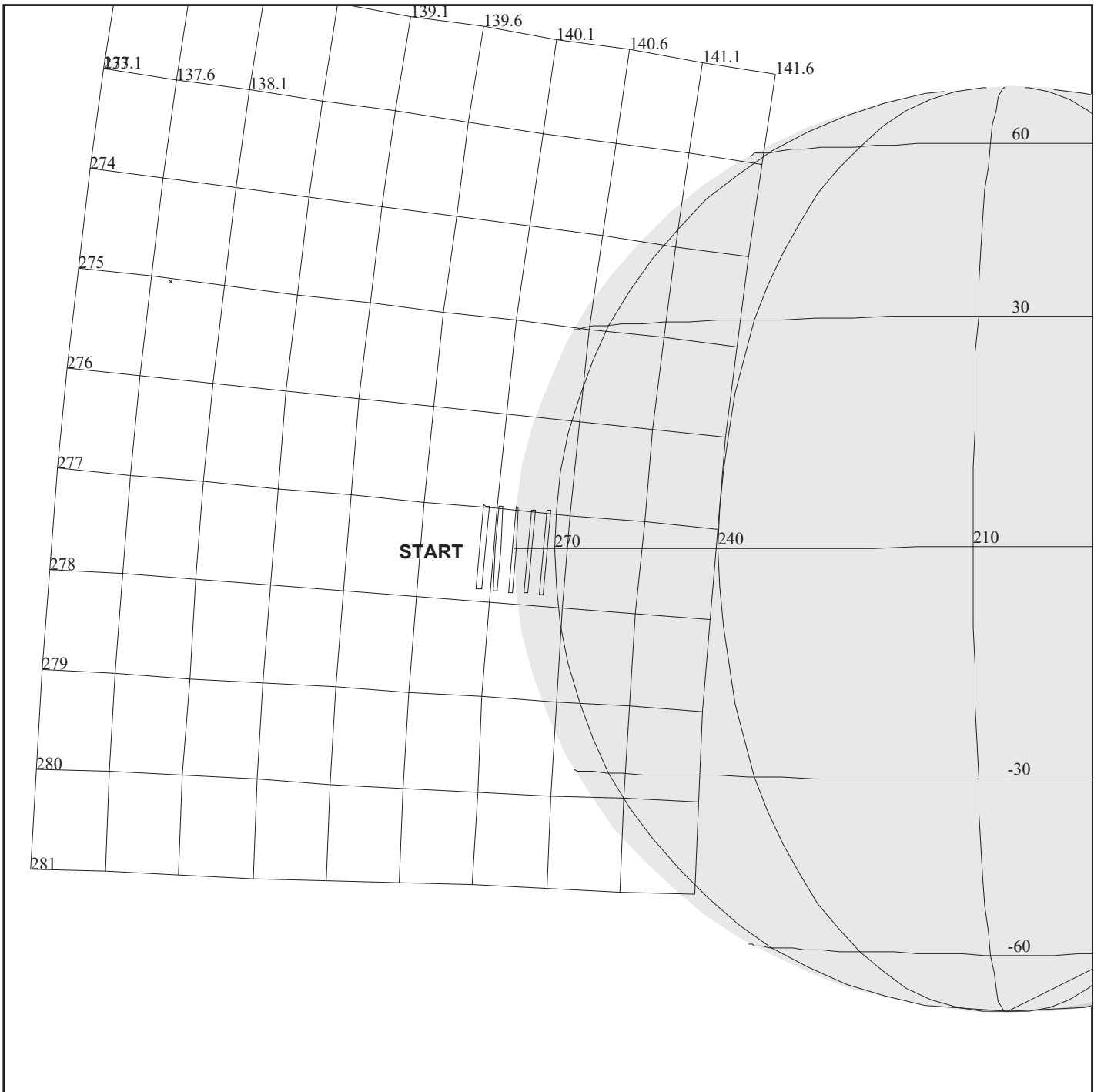
START:JEE 00-142/04:52:47.600 +CDS 1055:00:0

BODY PLOT TIME:TARGET-TIME D= 1992 S= 0.900

OBSERVATION:28JNNTZRLT03

DESCRIP:JUPITER_NTZ_REALTIME_OBS

Jupiter NTZ R/T Obs 03		ACTIVITY ID: 28JNNTZRLT03-	
		START TIME: 00-142/22:35:28.267	
Activity ID: Orbit 28 Target J Inst N OAPEL NTZRLT SeqNo 03 -			
Title	Jupiter NTZ R/T Obs 03	Instrument	NIMS
Requestor	NIMS-SWG/M. SEGURA	Team NIMS Working Group	AWG
Time System	CDS	Load ID	Calendar Date 05/21/00 Week 20
Start	JEE+CDS 00001051:00:0	00-142/22:35:28.267	JEE+000/17:42:40.667
End	JEE+CDS 00001066:00:0	00-142/22:50:38.267	JEE+000/17:57:50.667
Duration	00000015:00:0	000/00:15:10.000	000/00:15:10.000
Top Label	28JNNTZRLT03-		
Bottom Label			
Plot Key	NIMS	Type	SCI
CDS Bytes	300	Report Options	BOTH
CDS Source	OAP	Spin State	DUAL
		Scan Platform	No
		DMS	No
Observation Objective			
North Temperate Zone (NTZ) scan. Central meridian spectra.			
Data Returned			
Design Detail			
R/T Enc BTG=0.128 MB, BDT Center to Limb LM mode			
SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT			
Fixed Long Map (XLM), Gain 2, Grating Start 0, R/T, JLM408			
Galileo Activity Plan Form		05/31/00 00:00:00	rev 6/95



165DO:TT= 0 TMC=1 C= -4.00 XC= 0.00 BS= 0/1006 TC= 1(0 290)
 A= 728 pD= 900 SR=17.450 RA50= 85.22 DEC50= 25.77 cone=139.98 clock=277.42
 117DO:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/1006
 1:#s= 1 Cs= 8.85 XC= 0.00 Cr= 0.00 XCr= 0.00 sD= 900 rD= 2

28JNEQBLGE01

TARGET G3.1 lisac: 4/10/2000 11:54:24

FILE:P.28JNEQBLGE01

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/000224-tour.NS

PERIAPSIS:

START:JEE 00-142/04:52:47.600 +CDS 1338:00:0

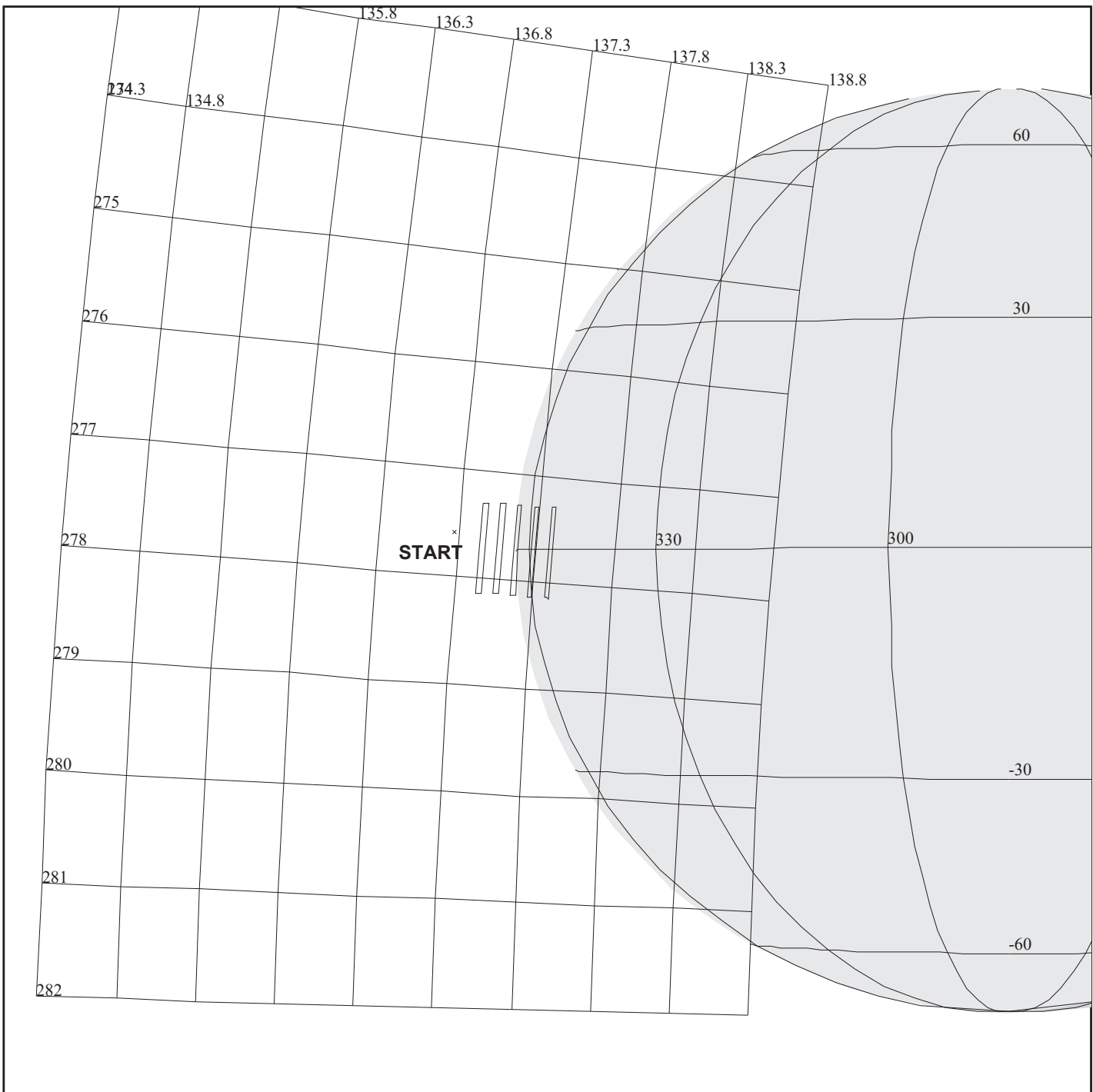
OBSERVATION:28JNEQBLGE01

THINNING:NIM 7

BODY PLOT TIME:TARGET-TIME D= 900 S= 0.900

DESCRIP:JUPITER_EQUATORIAL_BULGE

Jupiter Equatorial Bulge 01		ACTIVITY ID:	28JNEQBLGE01-		
		START TIME:	00-143/03:20:36.267		
Activity ID: Orbit 28 Target J Inst N OAPEL EQBLGE SeqNo 01 -					
Title	Jupiter Equatorial Bulge 01		Instrument		NIMS
Requestor	NIMS-SWG/M. SEGURA		Team	NIMS Working Group	AWG
Time System	CDS	Load ID	Calendar Date	05/22/00	Week 21
Start	JEE+CDS 00001333:00:0		00-143/03:20:26.267	JEE+000/22:27:48.667	
End	JEE+CDS 00001342:00:0		00-143/03:29:42.267	JEE+000/22:36:54.667	
Duration	00000009:00:0		000/00:09:06.000	000/00:09:06.000	
Top Label	28JNEQBLGE01-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	300	Report Options	BOTH		
CDS Source	OAP	Spin State	DUAL	Scan Platform	No
				DMS	No
Observation Objective					
Limb scan of equatorial bulge.					
Data Returned					
Design Detail					
R/T Enc BTG=0.08 MB, BDT Limbscan					
Mirror Blocked (11011,11011) (1B,1B)					
SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT					
Fixed Long Map (XLM), Gain 2, Grating Start 0, R/T, JLM408					
Galileo Activity Plan Form			05/31/00	00:00:00	rev 6/95



28JNEQBLGE02

165DP:TT= 0 TMC= 1 C= -4.00 XC= 0.00 BS= 0/5940 TC= 1(0 9)
 A= 728 pD= 900 SR=17.450 RA50= 88.54 DEC50= 25.85 cone=137.00 clock=277.72
 117DP:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/5940
 1:#s= 1 Cs= 8.85 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 900 rD= 2

TARGET G3.1 lisac: 4/10/2000 11:54:24

FILE:P.28JNEQBLGE02

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/000224-tour.NS

PERIAPSIS:

THINNING:NIM 7

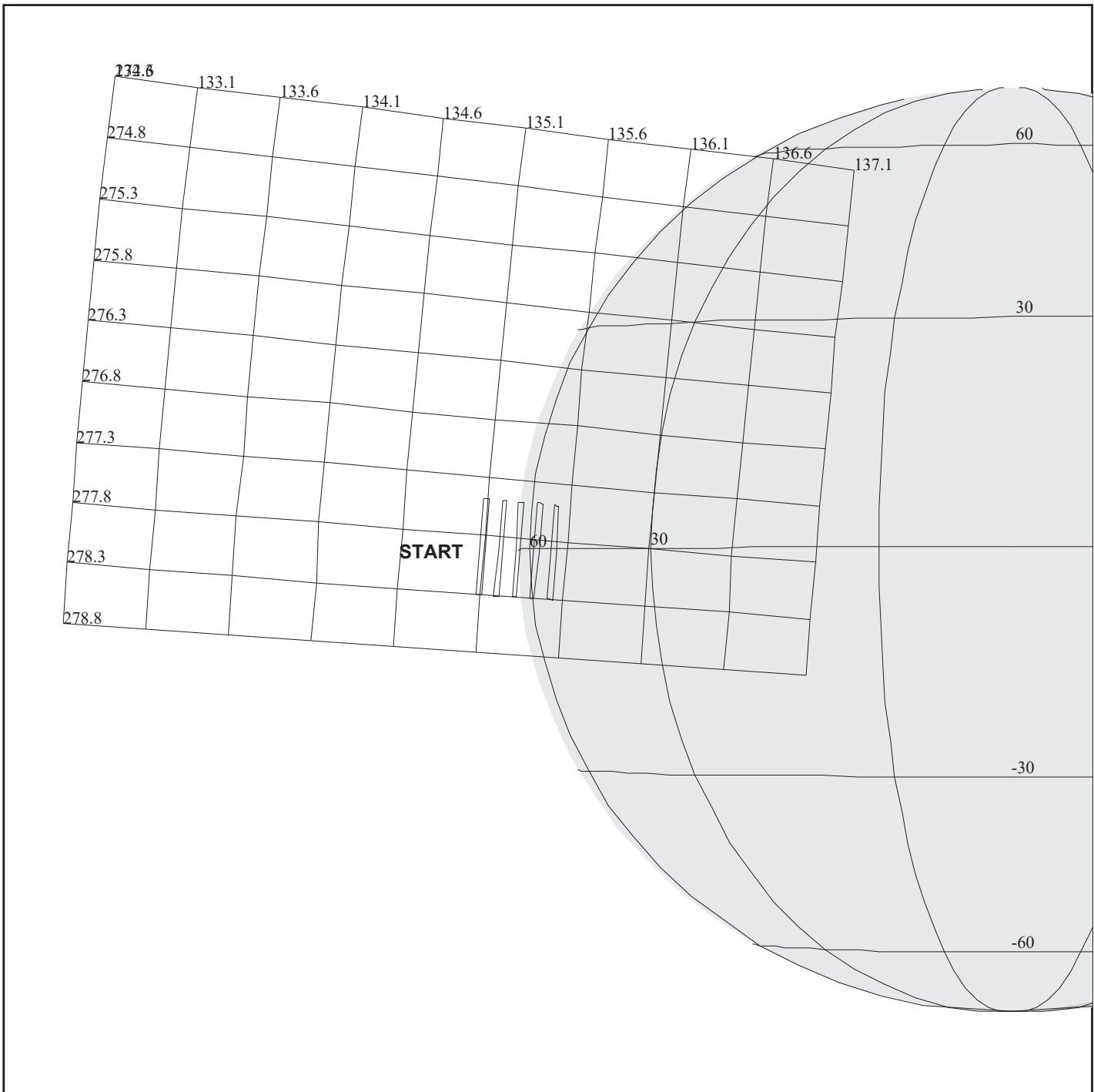
START:JEE 00-142/04:52:47.600 +CDS 1475:00:0

BODY PLOT TIME:TARGET-TIME D= 900 S= 0.900

OBSERVATION:28JNEQBLGE02

DESCRIP:JUPITER_EQUATORIAL_BULGE

Jupiter Equatorial Bulge 02		ACTIVITY ID:	28JNEQBLGE02-		
		START TIME:	00-143/05:40:08.267		
Activity ID: Orbit 28 Target J Inst N OAPEL EQBLGE SeqNo 02 -					
Title	Jupiter Equatorial Bulge 02		Instrument		NIMS
Requestor	NIMS-SWG/M. SEGURA		Team	NIMS Working Group	AWG
Time System	CDS	Load ID	Calendar Date	05/22/00	Week 21
Start	JEE+CDS 00001471:00:0		00-143/05:40:08.267	JEE+001/00:47:20.667	
End	JEE+CDS 00001480:00:0		00-143/05:49:14.267	JEE+001/00:56:26.667	
Duration	00000009:00:0		000/00:09:06.000	000/00:09:06.000	
Top Label	28JNEQBLGE02-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	300	Report Options	BOTH		
CDS Source	OAP	Spin State	DUAL	Scan Platform	No
				DMS	No
Observation Objective					
Limb scan of equatorial bulge.					
Data Returned					
Design Detail					
R/T Enc BTG=0.08 MB, BDT Limbscan					
Mirror Blocked (11011,11011) (1B,1B)					
Fixed Long Map (XLM), Gain 2, Grating Start 0, R/T, JLM408					
Galileo Activity Plan Form			05/31/00	00:00:00	rev 6/95



165DQ:TT= 0 TMC=1 C= -4.00 XC= 0.00 BS= 0/3958 TC= 1(0 69)
 A= 728 pD= 900 SR=17.450 RA50= 90.69 DEC50= 25.85 cone=135.07 clock=277.90
 117DQ:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/3958
 1:#s= 1 Cs= 8.85 XC= 0.00 Cr= 0.00 XCr= 0.00 sD= 900 rD= 2

28JNEQBLGE03

TARGET G3.1 lisac: 4/10/2000 11:54:24

FILE:P.28JNEQBLGE03

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/000224-tour.NS

PERIAPSIS:

START:JEE 00-142/04:52:47.600 +CDS 1574:00:0

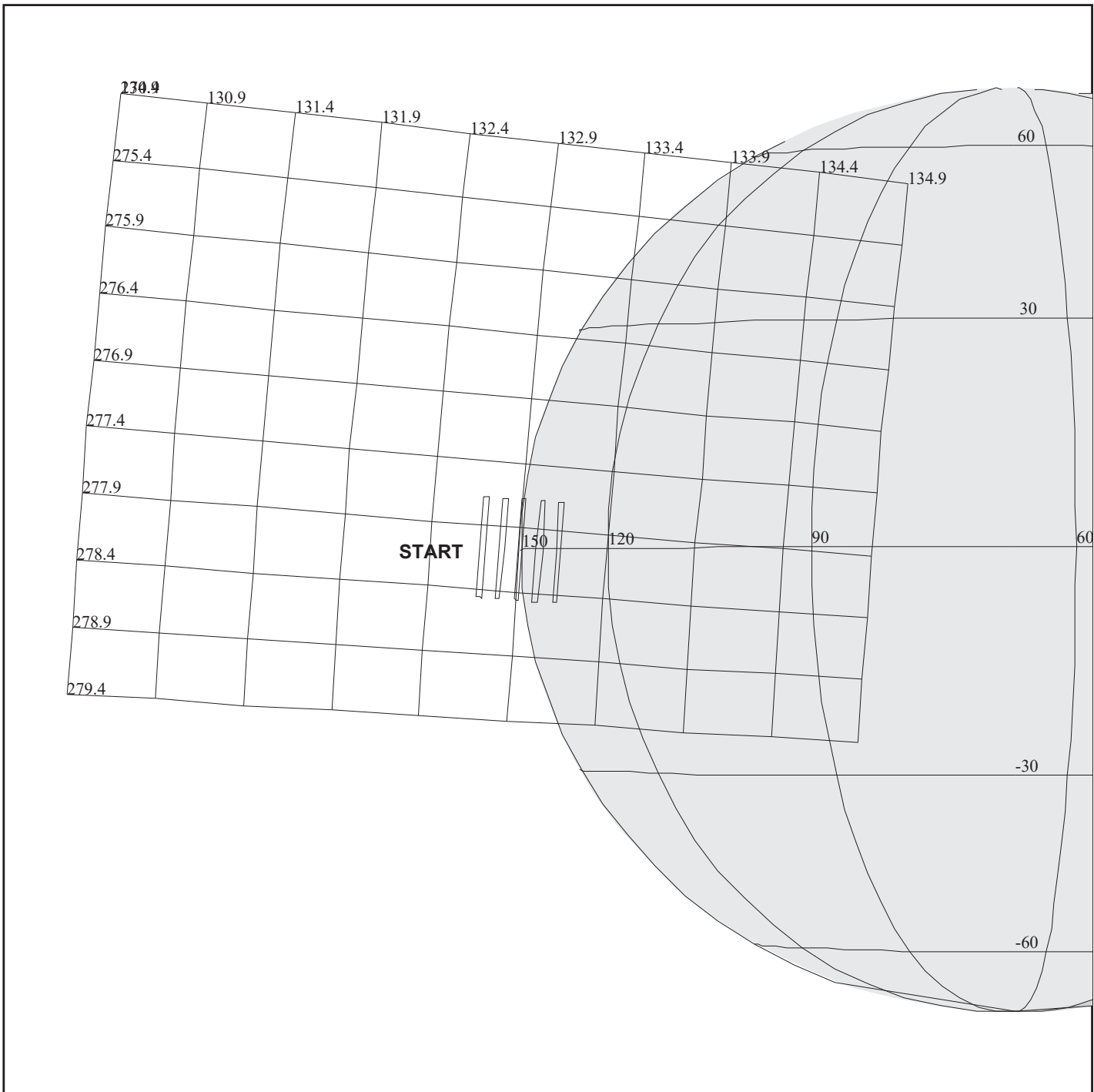
OBSERVATION:28JNEQBLGE03

THINNING:NIM 7

BODY PLOT TIME:TARGET-TIME D= 900 S= 0.900

DESCRIP:JUPITER_EQUATORIAL_BULGE

Jupiter Equatorial Bulge 03		ACTIVITY ID:	28JNEQBLGE03-		
		START TIME:	00-143/07:20:14.267		
Activity ID: Orbit 28 Target J Inst N OAPEL EQBLGE SeqNo 03 -					
Title	Jupiter Equatorial Bulge 03		Instrument		NIMS
Requestor	NIMS-SWG/M. SEGURA		Team	NIMS Working Group	AWG
Time System	CDS	Load ID	Calendar Date	05/22/00	Week 21
Start	JEE+CDS 00001570:00:0		00-143/07:20:14.267	JEE+001/02:27:26.667	
End	JEE+CDS 00001579:00:0		00-143/07:29:20.267	JEE+001/02:36:32.667	
Duration	00000009:00:0		000/00:09:06.000	000/00:09:06.000	
Top Label	28JNEQBLGE03-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	300	Report Options	BOTH		
CDS Source	OAP	Spin State	DUAL	Scan Platform	No
				DMS	No
Observation Objective					
Limb scan of equatorial bulge.					
Data Returned					
Design Detail					
R/T Enc BTG=0.08 MB, BDT Limbscan					
Mirror Blocked (11011,11011) (1B,1B)					
Fixed Long Map (XLM), Gain 2, Grating Start 0, R/T, JLM408					
Galileo Activity Plan Form			05/31/00	00:00:00	rev 6/95



28JNEQBLGE04

165DR:TT= 0 TMC=1 C= -4.00 XC= 0.00 BS= 0/9074 TC= 1(0 150)
 A= 728 pD= 900 SR=17.450 RA50= 93.38 DEC50= 25.82 cone=132.66 clock=278.10
 117DR:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/9074
 1:#s= 1 Cs= 8.85 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 900 rD= 2

TARGET G3.1 lisac: 4/10/2000 11:54:24

FILE:P.28JNEQBLGE04

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/000224-tour.NS

PERIAPSIS:

THINNING:NIM 7

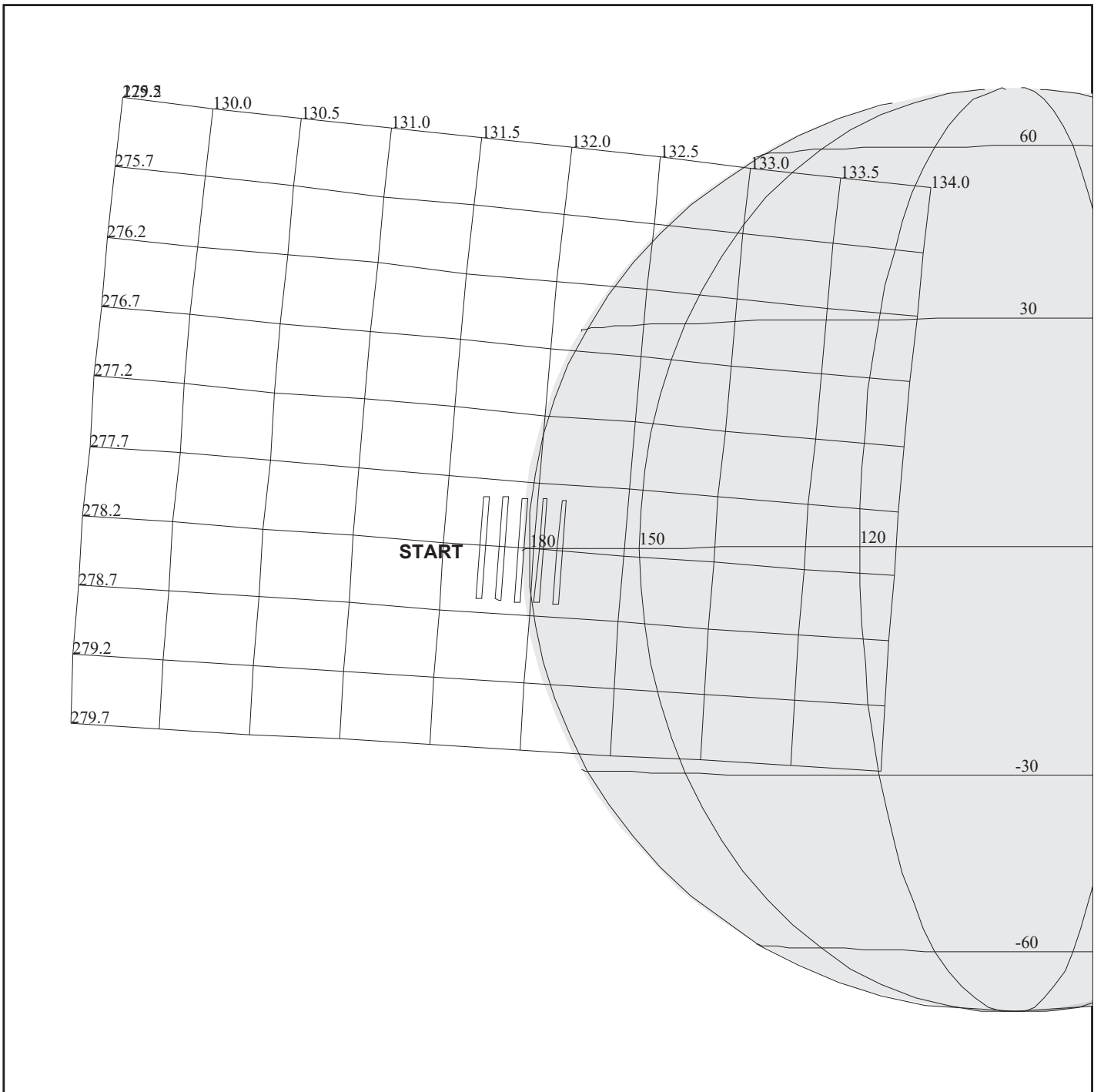
START:JEE 00-142/04:52:47.600 +CDS 1712:00:0

BODY PLOT TIME:TARGET-TIME D= 900 S= 0.900

OBSERVATION:28JNEQBLGE04

DESCRIP:JUPITER_EQUATORIAL_BULGE

Jupiter Equatorial Bulge 04		ACTIVITY ID:	28JNEQBLGE04-		
		START TIME:	00-143/09:39:46.267		
Activity ID: Orbit 28 Target J Inst N OAPEL EQBLGE SeqNo 04 -					
Title	Jupiter Equatorial Bulge 04		Instrument		NIMS
Requestor	NIMS-SWG/M. SEGURA		Team	NIMS Working Group	AWG
Time System	CDS	Load ID	Calendar Date	05/22/00	Week 21
Start	JEE+CDS 00001708:00:0		00-143/09:39:46.267	JEE+001/04:46:58.667	
End	JEE+CDS 00001717:00:0		00-143/09:48:52.267	JEE+001/04:56:04.667	
Duration	00000009:00:0		000/00:09:06.000	000/00:09:06.000	
Top Label	28JNEQBLGE04-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	300	Report Options	BOTH		
CDS Source	OAP	Spin State	DUAL	Scan Platform	No
				DMS	No
Observation Objective					
Limb scan of equatorial bulge.					
Data Returned					
Design Detail					
R/T Enc BTG=0.08 MB, BDT Limbscan					
Mirror Blocked (11011,11011) (1B,1B)					
Fixed Long Map (XLM), Gain 2, Grating Start 0, R/T, JLM408					
Galileo Activity Plan Form			05/31/00	00:00:00	rev 6/95



28JNEQBLGE05

165DS:TT= 0 TMC= 1 C= -4.00 XC= 0.00 BS= 0/9994 TC= 1(0 186)
 A= 728 pD= 900 SR=17.450 RA50= 94.45 DEC50= 25.79 cone=131.69 clock=278.18
 117DS:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/9994
 1:#s= 1 Cs= 8.85 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 900 rD= 2

TARGET G3.1 lisac: 4/10/2000 11:54:24

FILE:P.28JNEQBLGE05

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/000224-tour.NS

PERIAPSIS:

THINNING:NIM 7

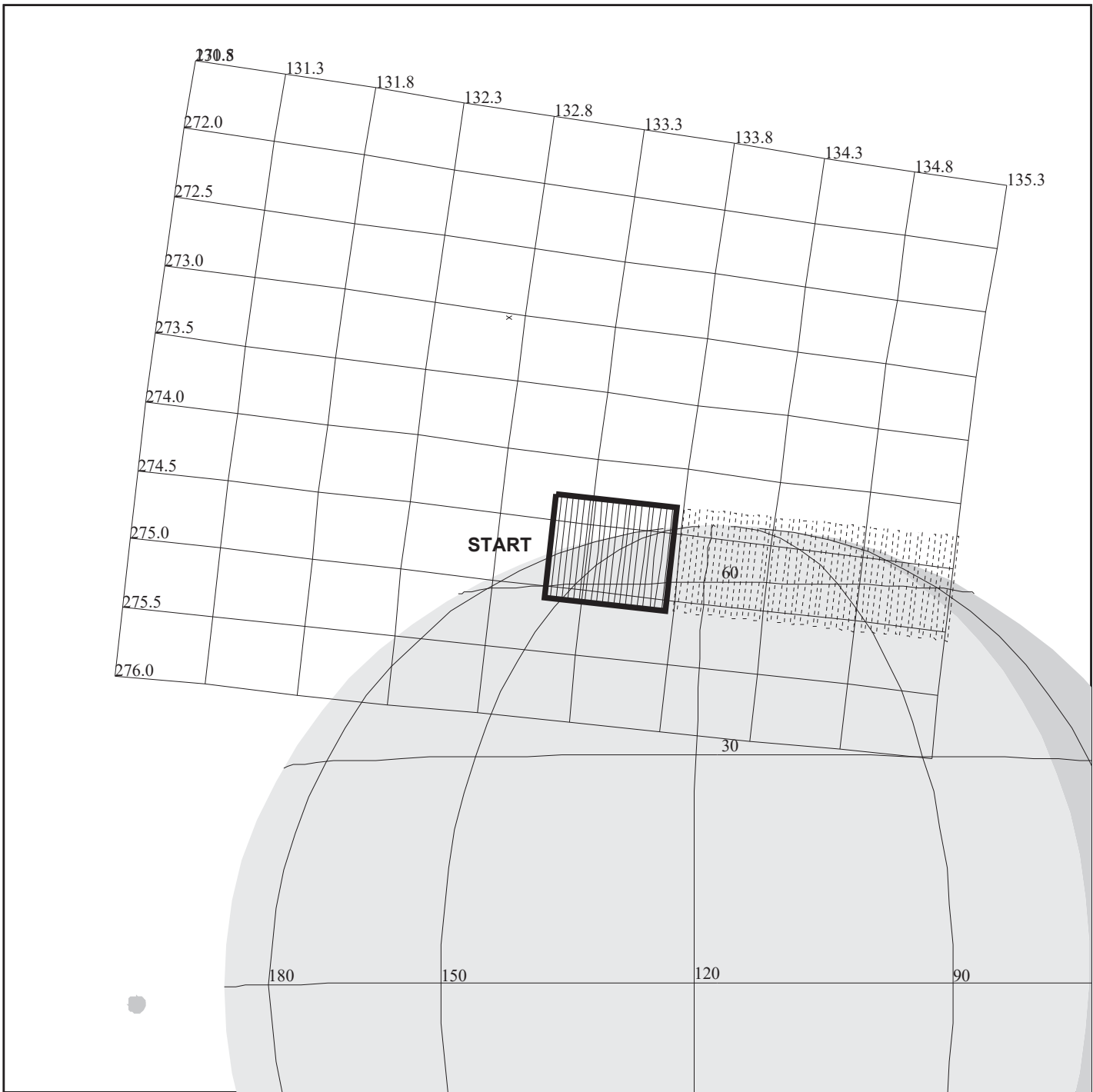
START:JEE 00-142/04:52:47.600 +CDS 1772:00:0

BODY PLOT TIME:TARGET-TIME D= 900 S= 0.900

OBSERVATION:28JNEQBLGE05

DESCRIP:JUPITER_EQUATORIAL_BULGE

Jupiter Equatorial Bulge 05		ACTIVITY ID: 28JNEQBLGE05-	
		START TIME: 00-143/10:40:26.267	
Activity ID: Orbit 28 Target J Inst N OAPEL EQBLGE SeqNo 05 -			
Title	Jupiter Equatorial Bulge 05	Instrument	NIMS
Requestor	NIMS-SWG/M. SEGURA	Team	NIMS Working Group
Requestor		Working Group	AWG
Time System	CDS	Load ID	Calendar Date 05/22/00 Week 21
Start	JEE+CDS 00001768:00:0	00-143/10:40:26.267	JEE+001/05:47:38.667
End	JEE+CDS 00001777:00:0	00-143/10:49:32.267	JEE+001/05:56:44.667
Duration	00000009:00:0	000/00:09:06.000	000/00:09:06.000
Top Label	28JNEQBLGE05-		
Bottom Label			
Plot Key	NIMS	Type	SCI
CDS Bytes	300	Report Options	BOTH
CDS Source	OAP	Spin State	DUAL
		Scan Platform	No
		DMS	No
Observation Objective			
Limb scan of equatorial bulge.			
Data Returned			
Design Detail			
R/T Enc BTG=0.08 MB, BDT			
Limbscan			
Mirror Blocked (11011,11011) (1B,1B)			
Fixed Long Map (XLM), Gain 2, Grating Start 0, R/T, JLM408			
Galileo Activity Plan Form		05/31/00 00:00:00	rev 6/95



28JNAURORA01

165DT:TT= 0 TMC= 1 C= -20.00 XC= -40.00 BS= 0/4544 TC= 3
 A= 728 pD= 1820 SR=17.450 RA50= 92.74 DEC50= 28.27 cone=133.08 clock=274.73
 117DT:#SB= 1 OR= 0.060 RR=12.000 BM=F RC= 1 BS= 0/4544
 1:#s= 1 Cs= 36.00 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 1820 rD= 2

TARGET G3.1 lisac: 4/10/2000 11:54:24

FILE:P.28JNAURORA01

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/000224-tour.NS

PERIAPSIS:

START:JEE 00-142/04:52:47.600 +CDS 1797:00:0

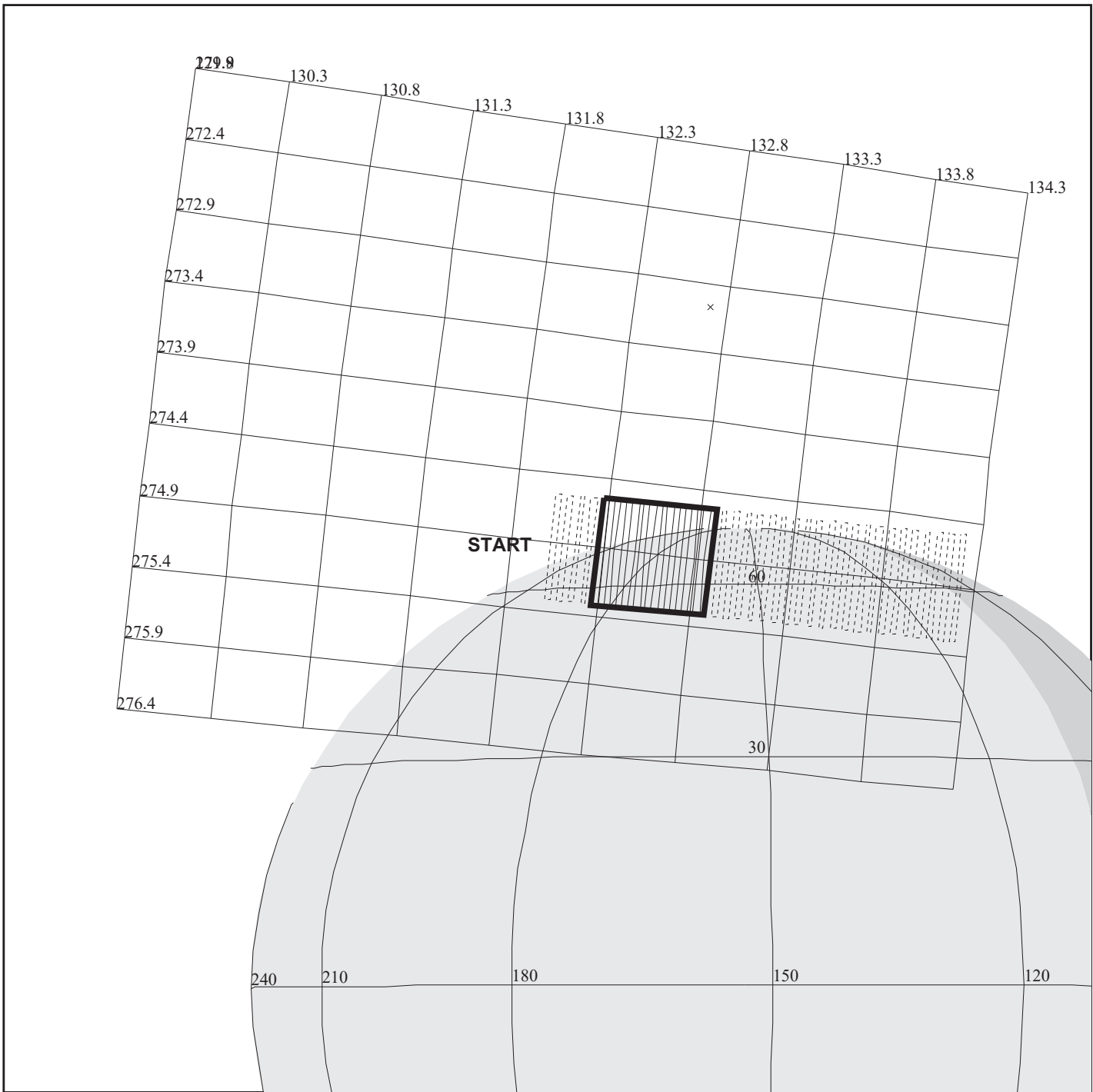
OBSERVATION:28JNAURORA01

THINNING:NIM 2

BODY PLOT TIME:TARGET-TIME D= 1820 S= 0.900

DESCRIP:JUPITER_NORTHERN_AURORA_MAPPING

Jupiter Northern Aurora Mapping 01		ACTIVITY ID:	28JNAURORA01-		
		START TIME:	00-143/11:05:42.933		
Activity ID: Orbit 28 Target J Inst N OAPEL AURORA SeqNo 01 -					
Title	Jupiter Northern Aurora Mapping 01		Instrument	NIMS	
Requestor	NIMS-SWG/M. SEGURA		Team	NIMS Working Group	AWG
Time System	CDS	Load ID	Calendar Date	05/22/00	Week 21
Start	JEE+CDS	00001793:00:0	00-143/11:05:42.933	JEE+001/06:12:55.333	
End	JEE+CDS	00001807:00:0	00-143/11:19:52.267	JEE+001/06:27:04.667	
Duration		00000014:00:0	000/00:14:09.334	000/00:14:09.334	
Top Label	28JNAURORA01-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	300	Report Options	BOTH	Scan Platform	No
CDS Source	OAP	Spin State	DUAL	DMS	No
Observation Objective					
Northern Aurora Mapping, 10 minute samples done at 1 hour intervals.					
Data Returned					
Design Detail					
BTG=0.48 MB, TICS=143, FMT=MPW Long Map, Nyquist Sampling					
Due to the loss of the LPU record mode, only part of the scan was recorded.					
SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT					
Fixed Long Map (XLM), Gain 2, Grating Start 0, MPW, JLM442, JLM360					
Galileo Activity Plan Form			05/31/00	00:00:00	rev 6/95



165DV:TT= 0 TMC= 1 C= -22.00 XC= -39.00 BS= 0/5464 TC= 3
 A= 728 pD= 1820 SR=17.450 RA50= 93.97 DEC50= 28.19 cone=132.00 clock=274.94
 117DV:#SB= 1 OR= 0.060 RR=12.000 BM=F RC= 1 BS= 0/5464
 1:#s= 1 Cs= 36.00 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 1820 rD= 2

28JNAURORA02

TARGET G3.1 lisac: 4/10/2000 11:54:24

FILE:P.28JNAURORA02

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/000224-tour.NS

PERIAPSIS:

START:JEE 00-142/04:52:47.600 +CDS 1857:00:0

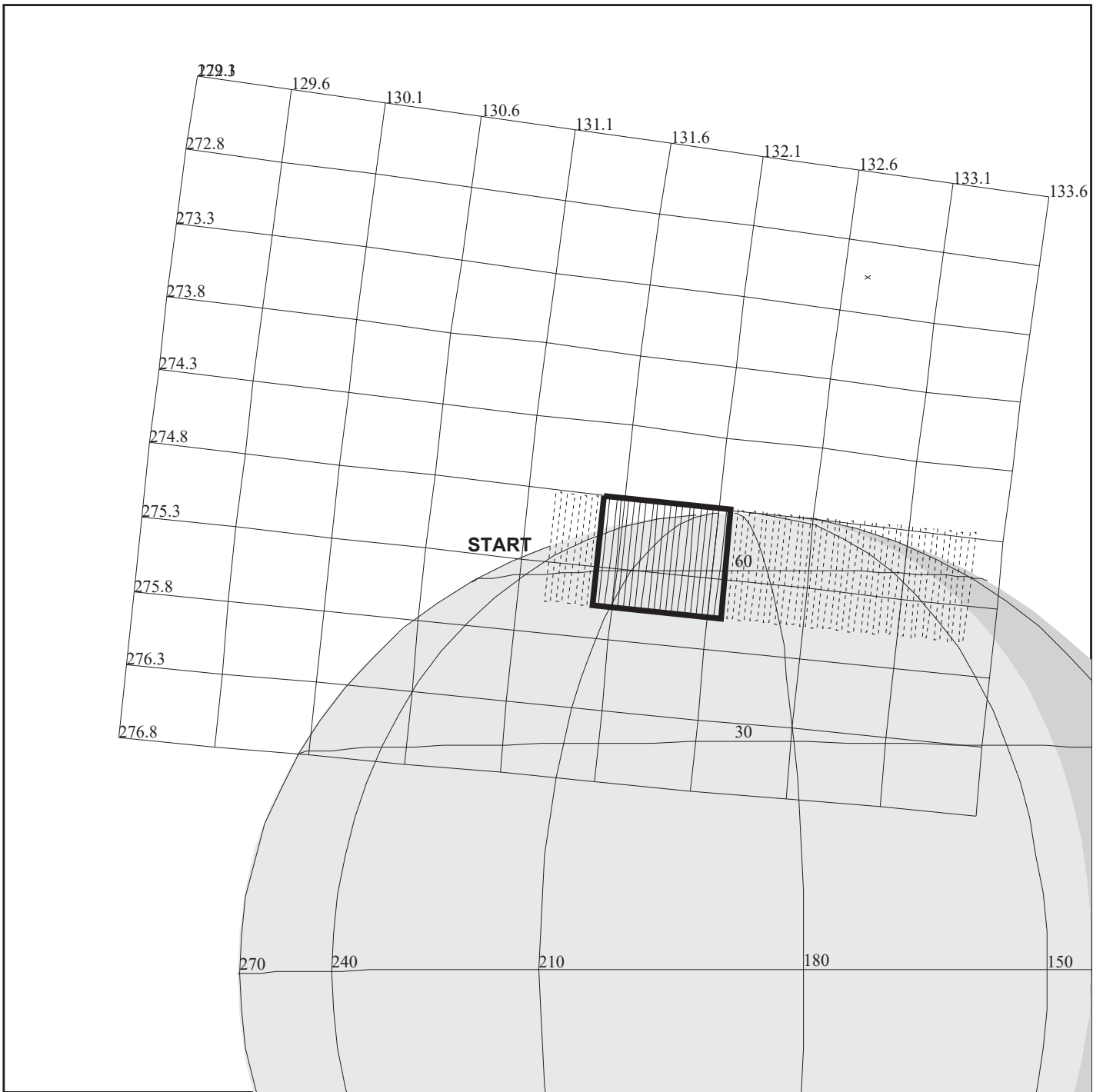
OBSERVATION:28JNAURORA02

THINNING:NIM 2

BODY PLOT TIME:TARGET-TIME D= 1820 S= 0.900

DESCRIP:JUPITER_NORTHERN_AURORA_MAPPING

Jupiter Northern Aurora Mapping 02		ACTIVITY ID:	28JNAURORA02-		
		START TIME:	00-143/12:06:22.933		
Activity ID: Orbit 28 Target J Inst N OAPEL AURORA SeqNo 02 -					
Title	Jupiter Northern Aurora Mapping 02		Instrument	NIMS	
Requestor	NIMS-SWG/M. SEGURA		Team	NIMS Working Group	AWG
Time System	CDS	Load ID	Calendar Date	05/22/00	Week 21
Start	JEE+CDS	00001853:00:0	00-143/12:06:22.933	JEE+001/07:13:35.333	
End	JEE+CDS	00001867:00:0	00-143/12:20:32.267	JEE+001/07:27:44.667	
Duration		00000014:00:0	000/00:14:09.334	000/00:14:09.334	
Top Label	28JNAURORA02-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	300	Report Options	BOTH	Scan Platform	No
CDS Source	OAP	Spin State	DUAL	DMS	No
Observation Objective					
Northern Aurora Mapping, 10 minute samples done at 1 hour intervals.					
Data Returned					
Design Detail					
BTG=0.48 MB, TICS=143, FMT=MPW Long Map, Nyquist Sampling					
Due to the loss of the LPU record mode, only part of the scan was recorded.					
SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT					
Fixed Long Map (XLM), Gain 2, Grating Start 0, MPW, JLM442, JLM360					
Galileo Activity Plan Form			05/31/00	00:00:00	rev 6/95



165DW:TT= 0 TMC= 1 C= -20.00 XC= -37.00 BS= 0/6202 TC= 3
 A= 728 pD= 1820 SR=17.450 RA50= 94.88 DEC50= 28.03 cone=131.21 clock=275.21
 117DW:#SB= 1 OR= 0.060 RR=12.000 BM=F RC= 1 BS= 0/6202
 1:#s= 1 Cs= 36.00 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 1820 rD= 2

28JNAURORA03

TARGET G3.1 lisac: 4/10/2000 11:54:24

FILE:P.28JNAURORA03

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/000224-tour.NS

PERIAPSIS:

START:JEE 00-142/04:52:47.600 +CDS 1916:00:0

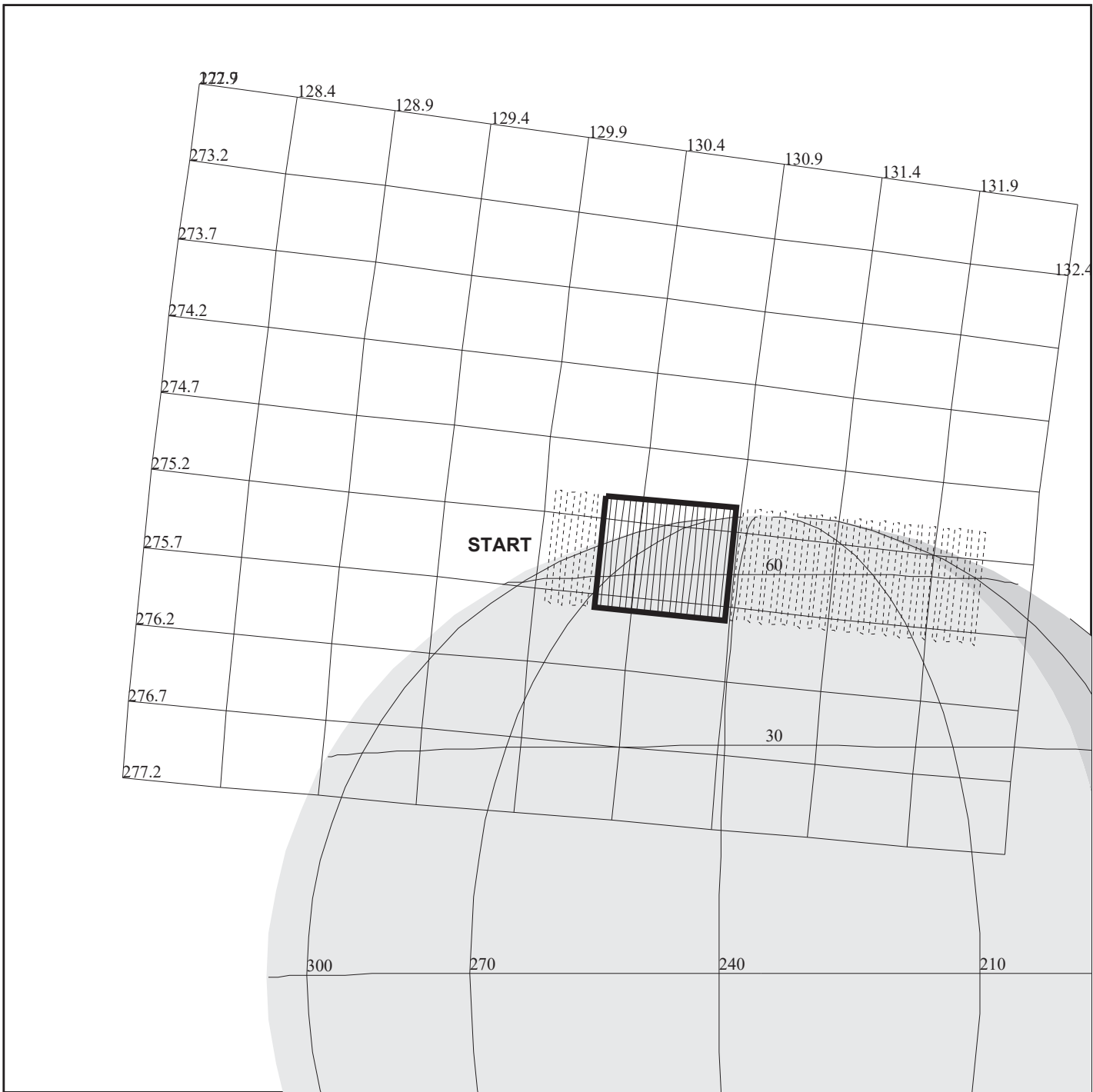
OBSERVATION:28JNAURORA03

THINNING:NIM 2

BODY PLOT TIME:TARGET-TIME D= 1820 S= 0.900

DESCRIP:JUPITER_NORTHERN_AURORA_MAPPING

Jupiter Northern Aurora Mapping 03		ACTIVITY ID:	28JNAURORA03-		
		START TIME:	00-143/13:06:02.267		
Activity ID: Orbit 28 Target J Inst N OAPEL AURORA SeqNo 03 -					
Title	Jupiter Northern Aurora Mapping 03		Instrument	NIMS	
Requestor	NIMS-SWG/M. SEGURA		Team	NIMS Working Group	AWG
Time System	CDS	Load ID	Calendar Date	05/22/00	Week 21
Start	JEE+CDS	00001912:00:0	00-143/13:06:02.267	JEE+001/08:13:14.667	
End	JEE+CDS	00001926:00:0	00-143/13:20:11.600	JEE+001/08:27:24.000	
Duration		00000014:00:0	000/00:14:09.333	000/00:14:09.334	
Top Label	28JNAURORA03-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	300	Report Options	BOTH	Scan Platform	No
CDS Source	OAP	Spin State	DUAL	DMS	No
Observation Objective					
Northern Aurora Mapping, 10 minute samples done at 1 hour intervals.					
Data Returned					
Design Detail					
BTG=0.48 MB, TICS=143, FMT=MPW Long Map, Nyquist Sampling					
Due to the loss of the LPU record mode, only part of the scan was recorded.					
SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT					
Fixed Long Map (XLM), Gain 2, Grating Start 0, MPW, JLM442, JLM360					
Galileo Activity Plan Form			05/31/00	00:00:00	rev 6/95



28JNAURORA04

165DY:TT= 0 TMC= 1 C= -22.00 XC= -36.00 BS= 0/0580 TC= 3
 A= 728 pD= 1820 SR=17.450 RA50= 96.31 DEC50= 27.93 cone=129.95 clock=275.43
 117DY:#SB= 1 OR= 0.060 RR=12.000 BM=F RC= 1 BS= 0/0580
 1:#s= 1 Cs= 36.00 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 1820 rD= 2

TARGET G3.1 lisac: 4/10/2000 11:54:24

FILE:P.28JNAURORA04

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/000224-tour.NS

PERIAPSIS:

START:JEE 00-142/04:52:47.600 +CDS 1995:00:0

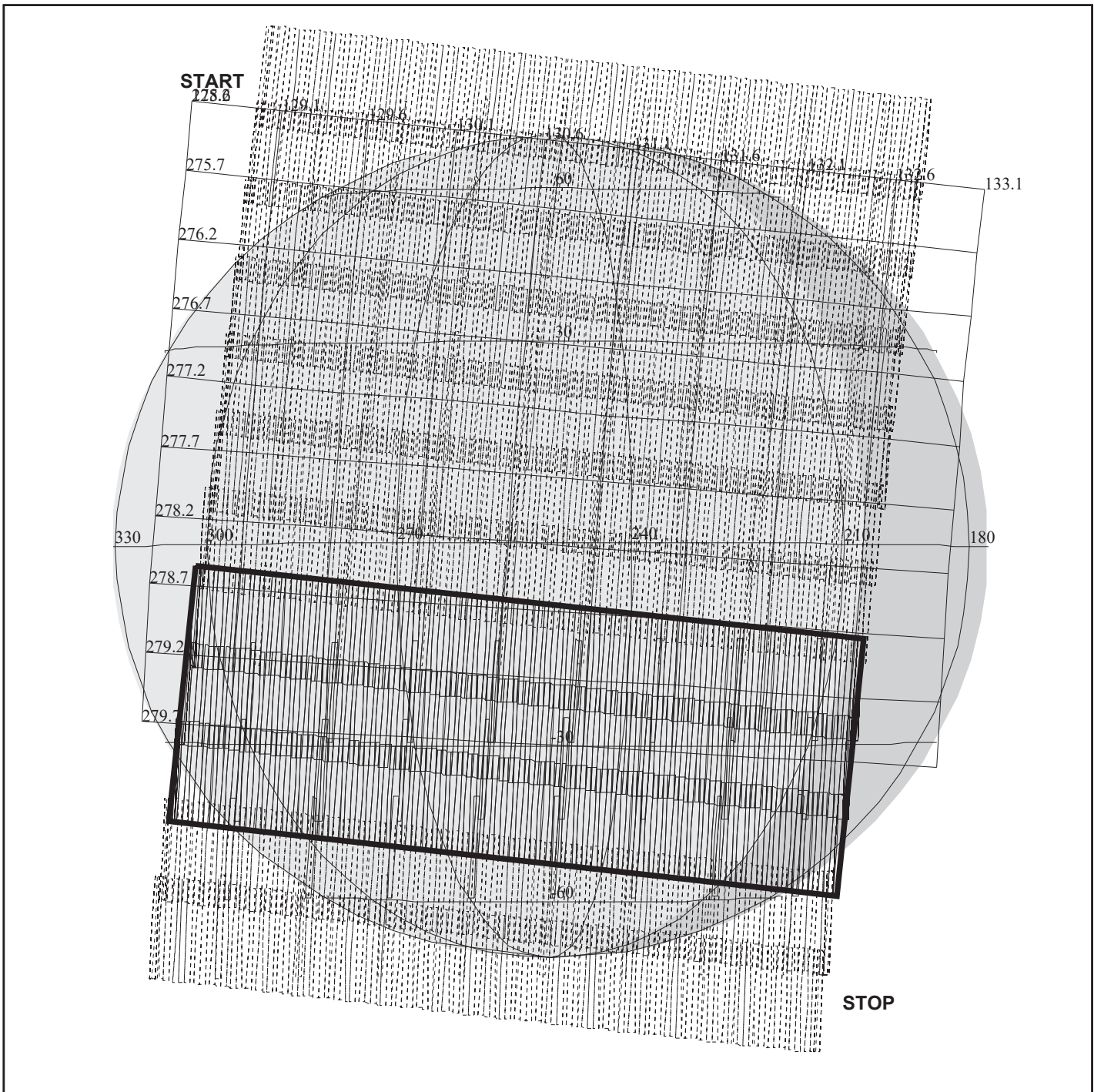
OBSERVATION:28JNAURORA04

THINNING:NIM 2

BODY PLOT TIME:TARGET-TIME D= 1820 S= 0.900

DESCRIP:JUPITER_NORTHERN_AURORA_MAPPING

Jupiter Northern Aurora Mapping 04		ACTIVITY ID:	28JNAURORA04-		
		START TIME:	00-143/14:25:54.933		
Activity ID: Orbit 28 Target J Inst N OAPEL AURORA SeqNo 04 -					
Title	Jupiter Northern Aurora Mapping 04		Instrument	NIMS	
Requestor	NIMS-SWG/M. SEGURA		Team	NIMS Working Group	AWG
Time System	CDS	Load ID	Calendar Date	05/22/00	Week 21
Start	JEE+CDS	00001991:00:0	00-143/14:25:54.933	JEE+001/09:33:07.333	
End	JEE+CDS	00002005:00:0	00-143/14:40:04.267	JEE+001/09:47:16.667	
Duration		00000014:00:0	000/00:14:09.334	000/00:14:09.334	
Top Label	28JNAURORA04-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	300	Report Options	BOTH	Scan Platform	No
CDS Source	OAP	Spin State	DUAL	DMS	No
Observation Objective					
Northern Aurora Mapping, 10 minute samples done at 1 hour intervals.					
Data Returned					
Design Detail					
BTG=0.48 MB, TICS=143, FMT=MPW Long Map, Nyquist Sampling					
Due to the loss of the LPU record mode, only part of the scan was recorded.					
SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT					
Fixed Long Map (XLM), Gain 2, Grating Start 0, MPW, JLM442, JLM360					
Galileo Activity Plan Form			05/31/00	00:00:00	rev 6/95



165DZ:TT= 0 TMC= 1 C= -32.50 XC= -43.00 BS= 0/5130 TC= 3
 A= 728 pD= 3640 SR=17.450 RA50= 97.37 DEC50= 28.35 cone=129.00 clock=274.95
 117DZ:#SB= 1 OR= 0.760 RR=12.000 BM=F RC= 1 BS= 0/5130
 1:#s= 12 Cs= 65.00 XCs= 0.00 Cr= -65.50 XCr= 7.70 sD= 270 rD= 30

28JNGLOBAL01

TARGET G3.1 lisac: 4/10/2000 11:54:24

FILE:P.28JNGLOBAL01

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/000224-tour.NS

PERIAPSIS:

START:JEE 00-142/04:52:47.600 +CDS 2020:00:0

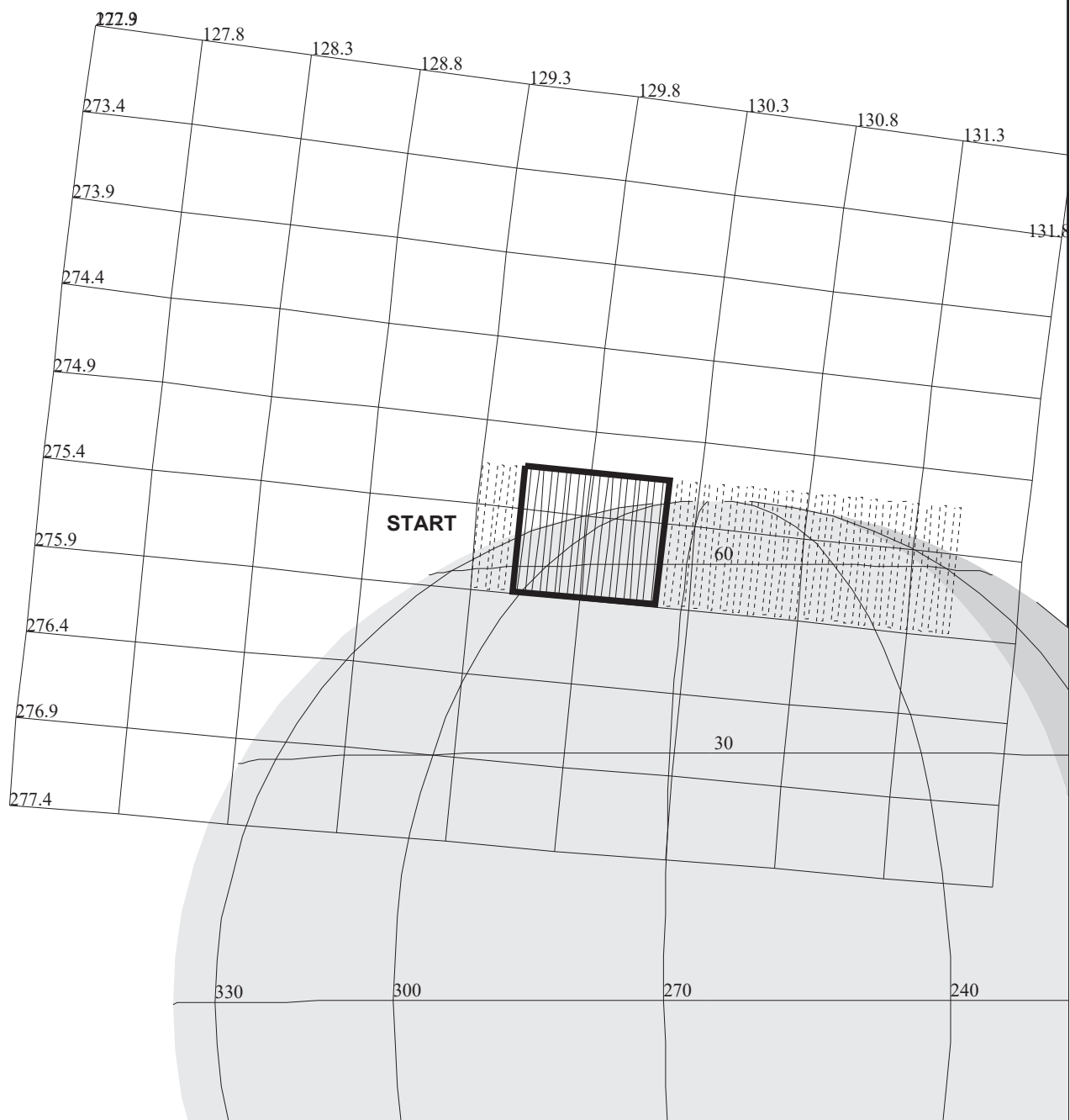
OBSERVATION:28JNGLOBAL01

THINNING:NIM 2

BODY PLOT TIME:TARGET-TIME D= 3640 S= 0.800

DESCRIP:JUPITER_GLOBAL_OBSERVATION

Jupiter Global Observation 01		ACTIVITY ID:	28JNGLOBAL01-		
		START TIME:	00-143/14:51:11.600		
Activity ID: Orbit 28 Target J Inst N OAPEL GLOBAL SeqNo 01 -					
Title	Jupiter Global Observation 01		Instrument		NIMS
Requestor	NIMS-SWG/M. SEGURA		Team	NIMS Working Group	AWG
Time System	CDS	Load ID	Calendar Date	05/22/00	Week 21
Start	JEE+CDS 00002016:00:0		00-143/14:51:11.600	JEE+001/09:58:24.333	
End	JEE+CDS 00002040:00:0		00-143/15:15:27.600	JEE+001/10:22:40.000	
Duration	00000024:00:0		000/00:24:16.000	000/00:24:16.000	
Top Label	28JNGLOBAL01-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	300	Report Options	BOTH		
CDS Source	OAP	Spin State	DUAL	Scan Platform	No
				DMS	No
Observation Objective					
<p>First of three full-disk maps. This mosaic covers 210 to 300 degrees West longitude at the equator.</p>					
Data Returned					
Design Detail					
<p>BTG=5.00 MB, TICS=283, FMT=MPW Fixed Map, Nyquist Sampling</p> <p>Due to the loss of the LPU record mode, only the southern half of the mosaic is actually recorded. The GRS and White Oval latitudes are observed.</p> <p>SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT</p> <p>Fixed Map (XM), Gain 2, Grating Start 0, MPW, JXM17, JXM15</p>					
Galileo Activity Plan Form			05/31/00	00:00:00	rev 6/95



165KA:TT= 0 TMC= 1 C= -22.00 XC= -36.00 BS= 0/9680 TC= 3
 A= 728 pD= 1820 SR=17.450 RA50= 97.10 DEC50= 27.89 cone=129.26 clock=275.52
 117KA:#SB= 1 OR= 0.060 RR=12.000 BM=F RC= 1 BS= 0/9680
 1:#s= 1 Cs= 36.00 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 1820 rD= 2

28JNAURORA05

TARGET G3.1 lisac: 4/10/2000 11:54:24

FILE:P.28JNAURORA05

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/000224-tour.NS

PERIAPSIS:

START:JEE 00-142/04:52:47.600 +CDS 2045:00:0

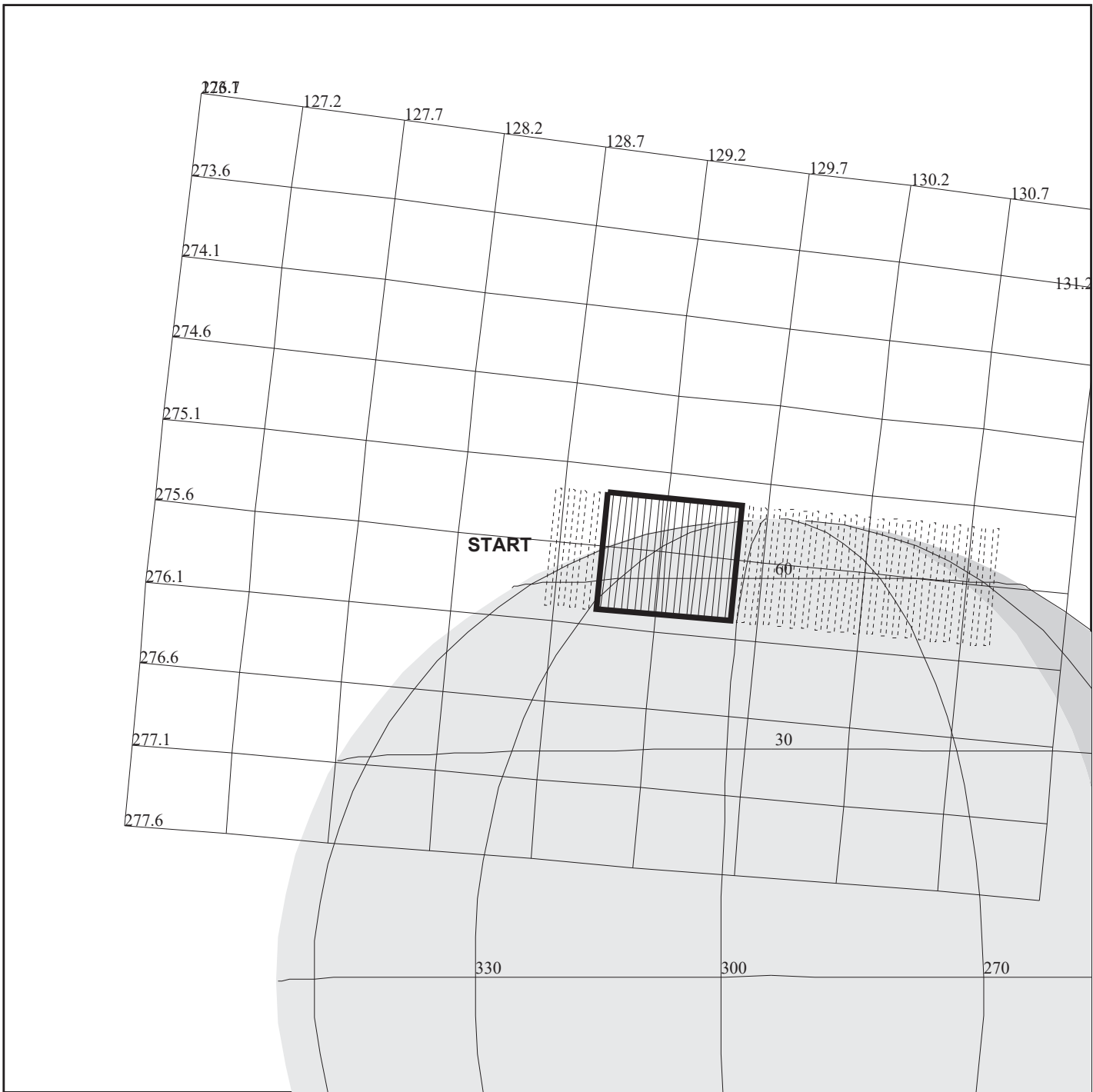
OBSERVATION:28JNAURORA05

THINNING:NIM 2

BODY PLOT TIME:TARGET-TIME D= 1820 S= 0.900

DESCRIP:JUPITER_NORTHERN_AURORA_MAPPING

Jupiter Northern Aurora Mapping 05		ACTIVITY ID:	28JNAURORA05-		
		START TIME:	00-143/15:16:28.267		
Activity ID: Orbit 28 Target J Inst N OAPEL AURORA SeqNo 05 -					
Title	Jupiter Northern Aurora Mapping 05		Instrument	NIMS	
Requestor	NIMS-SWG/M. SEGURA		Team	NIMS Working Group	AWG
Time System	CDS	Load ID	Calendar Date	05/22/00	Week 21
Start	JEE+CDS	00002041:00:0	00-143/15:16:28.267	JEE+001/10:23:40.667	
End	JEE+CDS	00002055:00:0	00-143/15:30:37.600	JEE+001/10:37:50.000	
Duration		00000014:00:0	000/00:14:09.333	000/00:14:09.333	
Top Label	28JNAURORA05-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	300	Report Options	BOTH	Scan Platform	No
CDS Source	OAP	Spin State	DUAL	DMS	No
Observation Objective					
Northern Aurora Mapping, 10 minute samples done at 1 hour intervals.					
Data Returned					
Design Detail					
BTG=0.48 MB, TICS=143, FMT=MPW Long Map, Nyquist Sampling					
Due to the loss of the LPU record mode, only part of the scan was recorded.					
SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT					
Fixed Long Map (XLM), Gain 2, Grating Start 0, MPW, JLM442, JLM360					
Galileo Activity Plan Form			05/31/00	00:00:00	rev 6/95



165KB:TT= 0 TMC=1 C= -22.00 XC= -35.00 BS= 0/8598 TC= 3
 A= 728 pD= 1820 SR=17.450 RA50= 97.84 DEC50= 27.80 cone=128.61 clock=275.67
 117KB:#SB= 1 OR= 0.060 RR=12.000 BM=F RC= 1 BS= 0/8598
 1:#s= 1 Cs= 36.00 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 1820 rD= 2

28JNAURORA06

TARGET G3.1 lisac: 4/10/2000 11:54:24

FILE:P.28JNAURORA06

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/000224-tour.NS

PERIAPSIS:

START:JEE 00-142/04:52:47.600 +CDS 2094:00:0

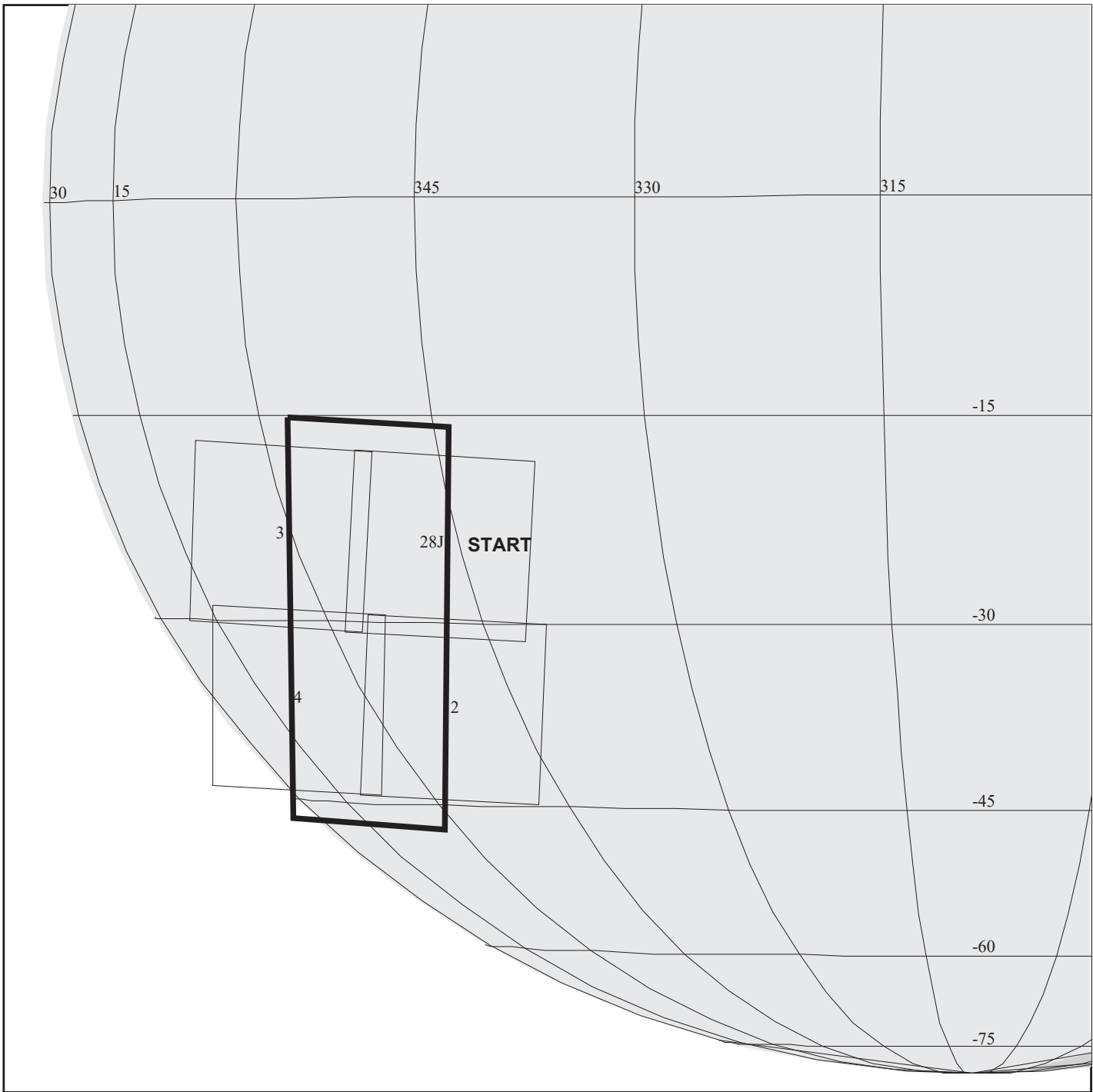
OBSERVATION:28JNAURORA06

THINNING:NIM 2

BODY PLOT TIME:TARGET-TIME D= 1820 S= 0.900

DESCRIP:JUPITER_NORTHERN_AURORA_MAPPING

Jupiter Northern Aurora Mapping 06		ACTIVITY ID:	28JNAURORA06-		
		START TIME:	00-143/16:06:00.934		
Activity ID: Orbit 28 Target J Inst N OAPEL AURORA SeqNo 06 -					
Title	Jupiter Northern Aurora Mapping 06		Instrument	NIMS	
Requestor	NIMS-SWG/M. SEGURA		Team	NIMS Working Group	AWG
Time System	CDS	Load ID	Calendar Date	05/22/00	Week 21
Start	JEE+CDS	00002090:00:0	00-143/16:06:00.934	JEE+001/11:13:13.334	
End	JEE+CDS	00002104:00:0	00-143/16:20:10.267	JEE+001/11:27:22.667	
Duration		00000014:00:0	000/00:14:09.333	000/00:14:09.333	
Top Label	28JNAURORA06-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	300	Report Options	BOTH	Scan Platform	No
CDS Source	OAP	Spin State	DUAL	DMS	No
Observation Objective					
Northern Aurora Mapping, 10 minute samples done at 1 hour intervals.					
Data Returned					
Design Detail					
BTG=0.48 MB, TICS=143, FMT=MPW Long Map, Nyquist Sampling					
Due to the loss of the LPU record mode, only part of the scan was recorded.					
SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT					
Fixed Long Map (XLM), Gain 2, Grating Start 0, MPW, JLM442, JLM360					
Galileo Activity Plan Form			05/31/00	00:00:00	rev 6/95



28JNFEATR01

DESIGN G3.2 herb : 3/30/2000 10:23:37

FILE:P.28JSFEATR01

CENTRAL BODY:JUPITER III

MINI:m.28JSFEATR01

S/C EPH:/DATA/NAVIO/000224-tour.NS

PERIAPSIS:

START:JEE 00-142/04:52:47.600 +CDS 2119:00:0

OBSERVATION:28JSFEATR01

165IM:TT= 0 TMC= 1 C= 3.65 XC= -3.65 BS= 0/3148 TC= 1(-30.0 357.0)
 A= 364 pD= 568 SR=17.450 RA50= 98.28 DEC50= 24.75 cone=128.23 clock=279.56
 118IM:#SB= 1 Cs= 1.00 XCs= 7.31 TPP= 182 SR= 2.000 RR= 2.000 BM=F RC= 1 BS=11/3148
 1:#s= 2 #p= 2 Cr= -8.31 XCr= -7.31

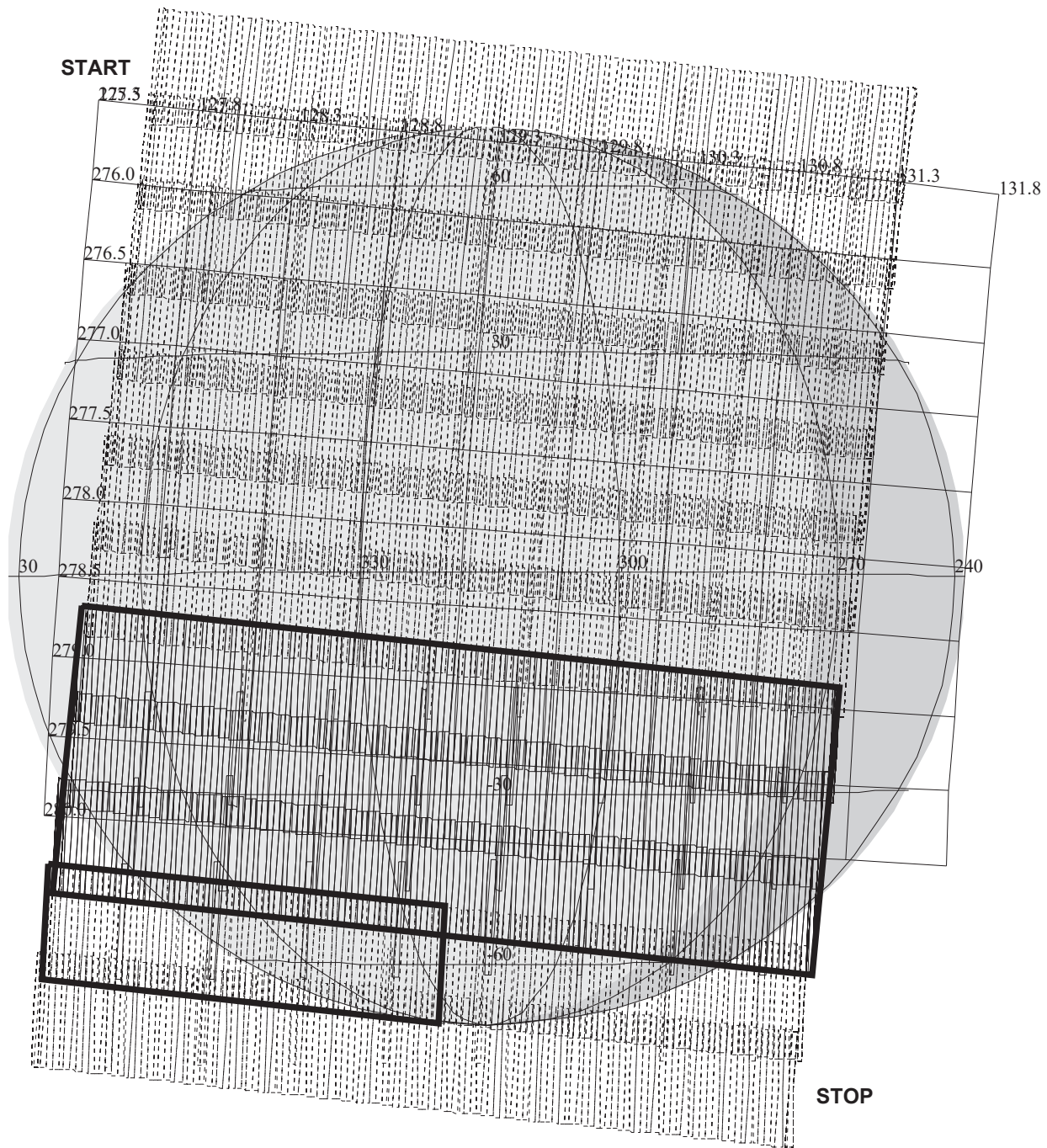
ALIAS: 28JSFEATR01

THINNING:

BODY PLOT TIME:TARGET-TIME D= 568 S= 1.700

DESCRIP:FEATURE TRACK

Jupiter Feature Track		ACTIVITY ID: 28JNFEATR01-	
		START TIME: 00-143/16:33:18.934	
Activity ID: Orbit 28 Target J Inst N OAPEL FEATRK SeqNo 01 -			
Title	Jupiter Feature Track	Instrument	NIMS
Requestor	SSI	Team NIMS Working Group	AWG
Time System	CDS	Load ID	Calendar Date 05/22/00 Week 20
Start	JEE+CDS 00002117:00:0	00-143/16:33:18.934	JEE+001/11:40:31.334
End	JEE+CDS 00002123:00:0	00-143/16:39:22.934	JEE+001/11:46:35.334
Duration	00000006:00:0	000/00:06:04.000	000/00:00:04.000
Top Label	28JNFEATR01-		
Bottom Label			
Plot Key	NIMS	Type	SCI
CDS Bytes	300	Report Options	BOTH
CDS Source	OAP	Spin State	DUAL
		Scan Platform	No
		DMS	No
Observation Objective			
Feature track of Great Red Spot at high spatial and temporal resolution; observe long-term temporal change in the four years since G1.			
ride-along behind SSI.			
Data Returned			
Design Detail			
Alias: 28JSFEATR01			
2x2 mosaic at latitude -15 to -45, West longitude 345 to 10.			
SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT			
Fixed Long Map (XLM), Gain 2, Grating Start 0, HIM, JLM442, JLM360			
Galileo Activity Plan Form		05/31/00 00:00:00	rev 6/95



165KC:TT= 0 TMC=1 C= -32.50 XC= -41.00 BS= 0/4968 TC= 3
 A= 728 pD= 0 SR=17.450 RA50= 99.03 DEC50= 28.13 cone=127.55 clock=275.28
 117KC:#SB= 1 OR= 0.760 RR=12.000 BM=F RC= 1 BS= 0/4968
 1:#s= 12 Cs= 65.00 XCs= 0.00 Cr= -65.50 XCr= 7.50 sD= 270 rD= 30

28JNGLOBAL02

TARGET G3.1 lisac: 4/10/2000 11:54:24

FILE:P.28JNGLOBAL02

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/000224-tour.NS

PERIAPSIS:

START:JEE 00-142/04:52:47.600 +CDS 2129:00:0

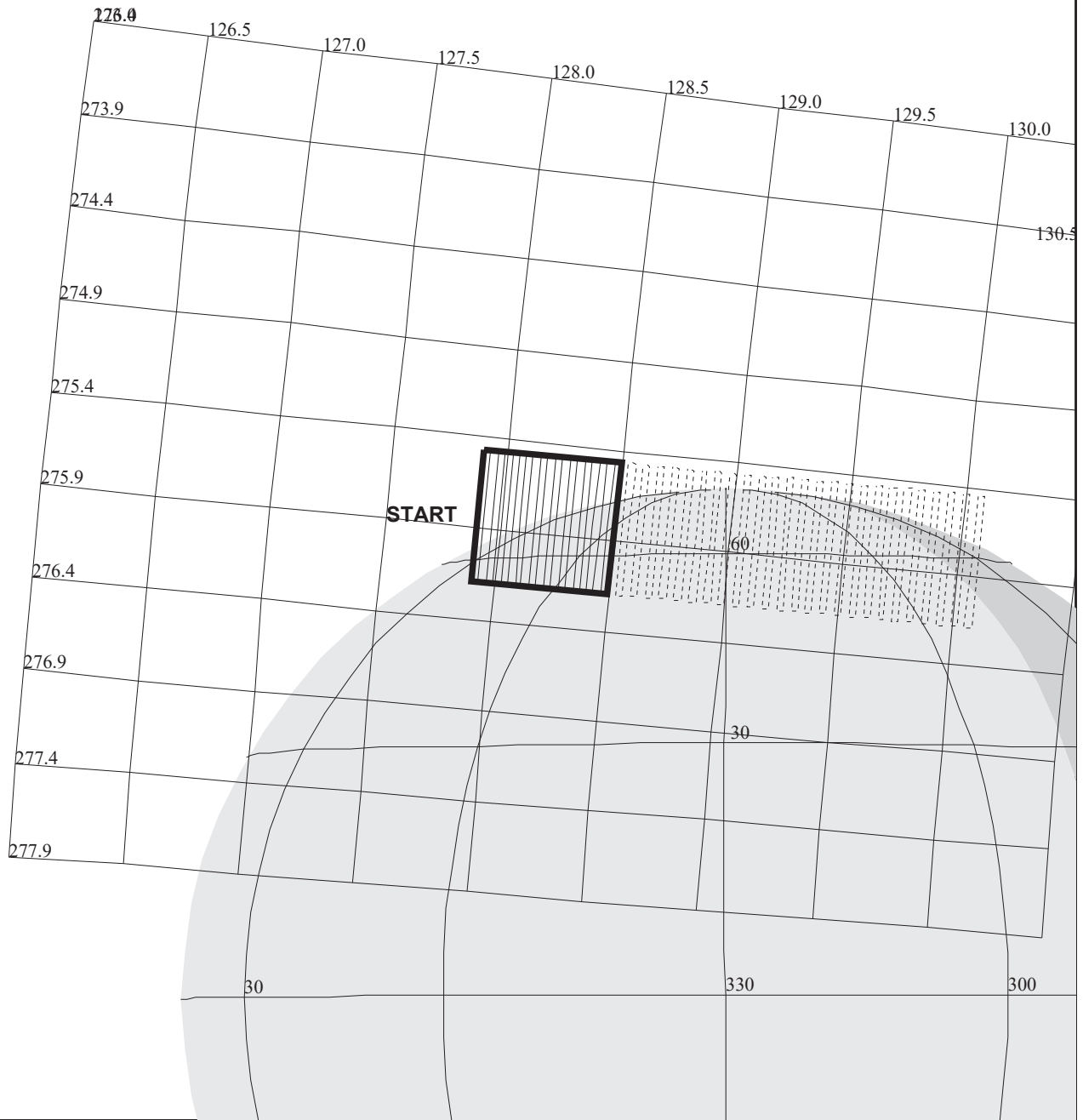
OBSERVATION:28JNGLOBAL02

THINNING:NIM 2

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

DESCRIP:JUPITER_GLOBAL_OBSERVATION

Jupiter Global Observation 02		ACTIVITY ID:	28JNGLOBAL02-		
		START TIME:	00-143/16:41:24.267		
Activity ID: Orbit 28 Target J Inst N OAPEL GLOBAL SeqNo 02 -					
Title	Jupiter Global Observation 02		Instrument		NIMS
Requestor	NIMS-SWG/M. SEGURA		Team	NIMS Working Group	AWG
Time System	CDS	Load ID	Calendar Date	05/22/00	Week 21
Start	JEE+CDS 00002125:00:0		00-143/16:41:24.267	JEE+001/11:48:36.667	
End	JEE+CDS 00002149:00:0		00-143/17:05:40.267	JEE+001/12:12:52.667	
Duration	00000024:00:0		000/00:24:16.000	000/00:24:16.000	
Top Label	28JNGLOBAL02-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	300	Report Options	BOTH		
CDS Source	OAP	Spin State	DUAL	Scan Platform	No
				DMS	No
Observation Objective					
<p>Second of three full-disk maps. This mosaic covers 270 to 360 degrees West longitude at the equator.</p>					
Data Returned					
Design Detail					
<p>BTG=5.00 MB, TICS=283, FMT=MPW Fixed Map, Nyquist Sampling</p> <p>Due to the loss of the LPU record mode, only the southern half of the mosaic is actually recorded. The GRS and White Oval latitudes are observed.</p> <p>SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT</p> <p>Fixed Map (XM), Gain 2, Grating Start 0, MPW, JXM17, JXM15</p>					
Galileo Activity Plan Form			05/31/00	00:00:00	rev 6/95



165KD:TT= 0 TMC= 1 C= -22.00 XC= -34.50 BS= 0/9336 TC= 3
 A= 728 pD= 1820 SR=17.450 RA50= 98.70 DEC50= 27.72 cone=127.85 clock=275.79
 117KD:#SB= 1 OR= 0.060 RR=12.000 BM=F RC= 1 BS= 0/9336
 1:#s= 1 Cs= 36.00 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 1820 rD= 2

28JNAURORA07

TARGET G3.1 lisac: 4/10/2000 11:54:24

FILE:P.28JNAURORA07

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/000224-tour.NS

PERIAPSIS:

START:JEE 00-142/04:52:47.600 +CDS 2153:00:0

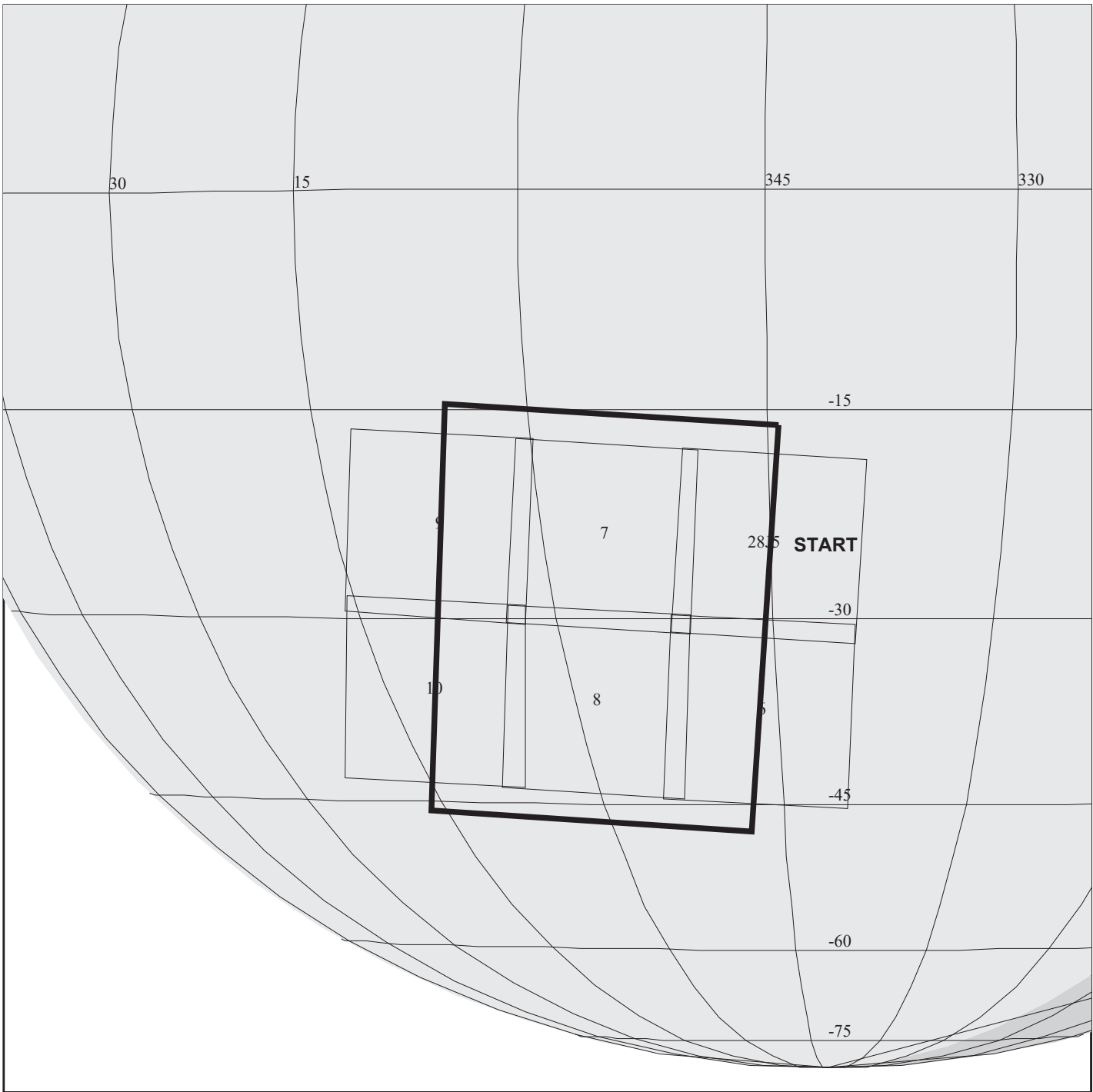
OBSERVATION:28JNAURORA07

THINNING:NIM 2

BODY PLOT TIME:TARGET-TIME D= 1820 S= 0.900

DESCRIP:JUPITER_NORTHERN_AURORA_MAPPING

Jupiter Northern Aurora Mapping 07		ACTIVITY ID:	28JNAURORA07-		
		START TIME:	00-143/17:05:40.267		
Activity ID: Orbit 28 Target J Inst N OAPEL AURORA SeqNo 07 -					
Title	Jupiter Northern Aurora Mapping 07		Instrument	NIMS	
Requestor	NIMS-SWG/M. SEGURA		Team	NIMS Working Group	AWG
Time System	CDS	Load ID	Calendar Date	05/22/00	Week 21
Start	JEE+CDS	00002149:00:0	00-143/17:05:40.267	JEE+001/12:12:52.667	
End	JEE+CDS	00002161:00:0	00-143/17:17:48.267	JEE+001/12:25:00.667	
Duration		00000012:00:0	000/00:12:08.000	000/00:12:08.000	
Top Label	28JNAURORA07-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	300	Report Options	BOTH	Scan Platform	No
CDS Source	OAP	Spin State	DUAL	DMS	No
Observation Objective					
Northern Aurora Mapping, 10 minute samples done at 1 hour intervals.					
Data Returned					
Design Detail					
BTG=0.48 MB, TICS=143, FMT=MPW Long Map, Nyquist Sampling					
Due to the loss of the LPU record mode, only part of the scan was recorded.					
SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT					
Fixed Long Map (XLM), Gain 2, Grating Start 0, MPW, JLM442, JLM360					
Galileo Activity Plan Form			05/31/00	00:00:00	rev 6/95



28JNFEATR02

165IN:TT= 0 TMC= 1 C= 7.31 XC= -3.65 BS= 0/2794 TC= 1(-30.0 357.0)
 A= 364 pD= 932 SR=17.450 RA50= 97.68 DEC50= 24.80 cone=128.78 clock=279.50
 118IN:#SB= 1 Cs= 0.00 XCs= 7.31 TPP= 182 SR= 3.700 RR= 4.000 BM=F RC= 1 BS=11/2794
 1:#s= 2 #p= 3 Cr= -7.31 XCr= -7.31

DESIGN G3.2 herb : 3/30/2000 10:24: 1

ALIAS: 28JSFEATR02

FILE:P.28JSFEATR02

CENTRAL BODY:JUPITER III

MINI:m.28JSFEATR02

S/C EPH:/DATA/NAVIO/000224-tour.NS

PERIAPSIS:

THINNING:

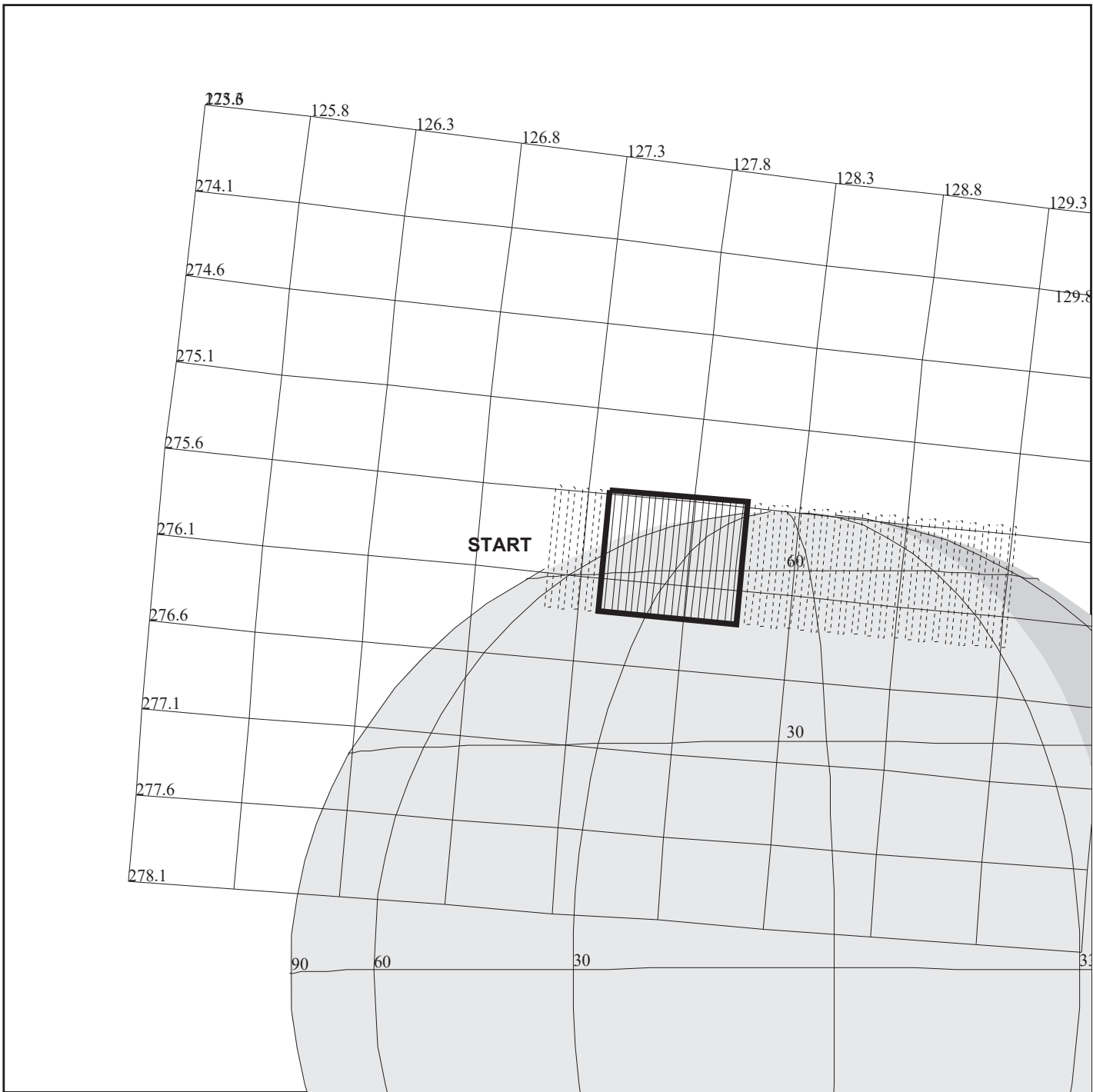
START:JEE 00-142/04:52:47.600 +CDS 2172:00:0

BODY PLOT TIME:TARGET-TIME D= 932 S= 1.700

OBSERVATION:28JSFEATR02

DESCRIP:FEATURE TRACK

Jupiter Feature Track		ACTIVITY ID: 28JNFEATR02-	
		START TIME: 00-143/17:26:54.267	
Activity ID: Orbit 28 Target J Inst N OAPEL FEATR02 SeqNo 02 -			
Title	Jupiter Feature Track	Instrument	NIMS
Requestor	SSI	Team NIMS Working Group	AWG
Time System	CDS	Load ID	Calendar Date 05/22/00 Week 20
Start	JEE+CDS 00002170:00:0	00-143/17:26:54.267	JEE+001/12:34:06.667
End	JEE+CDS 00002178:00:0	00-143/17:34:59.600	JEE+001/12:42:12.000
Duration	00000008:00:0	000/00:08:05.333	000/00:08:05.333
Top Label	28JNFEATR02-		
Bottom Label			
Plot Key	NIMS	Type	SCI
CDS Bytes	300	Report Options	BOTH
CDS Source	OAP	Spin State	DUAL
		Scan Platform	No
		DMS	No
Observation Objective			
Feature track of Great Red Spot at high spatial and temporal resolution; observe long-term temporal change in the four years since G1.			
ride-along behind SSI.			
Data Returned			
Design Detail			
Alias: 28JSFEATR02			
2x3 mosaic at latitude -15 to -45, West longitude 345 to 10.			
SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT			
Fixed Long Map (XLM), Gain 2, Grating Start 0, HIM, JLM442, JLM360			
Galileo Activity Plan Form		05/31/00 00:00:00	rev 6/95



165KE:TT= 0 TMC= 1 C= -22.00 XC= -33.00 BS= 0/0256 TC= 3
 A= 728 pD= 1820 SR=17.450 RA50= 99.54 DEC50= 27.58 cone=127.11 clock=275.98
 117KE:#SB= 1 OR= 0.060 RR=12.000 BM=F RC= 1 BS= 0/0256
 1:#s= 1 Cs= 36.00 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 1820 rD= 2

28JNAURORA08

TARGET G3.1 lisac: 4/10/2000 11:54:24

FILE:P.28JNAURORA08

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/000224-tour.NS

PERIAPSIS:

START:JEE 00-142/04:52:47.600 +CDS 2213:00:0

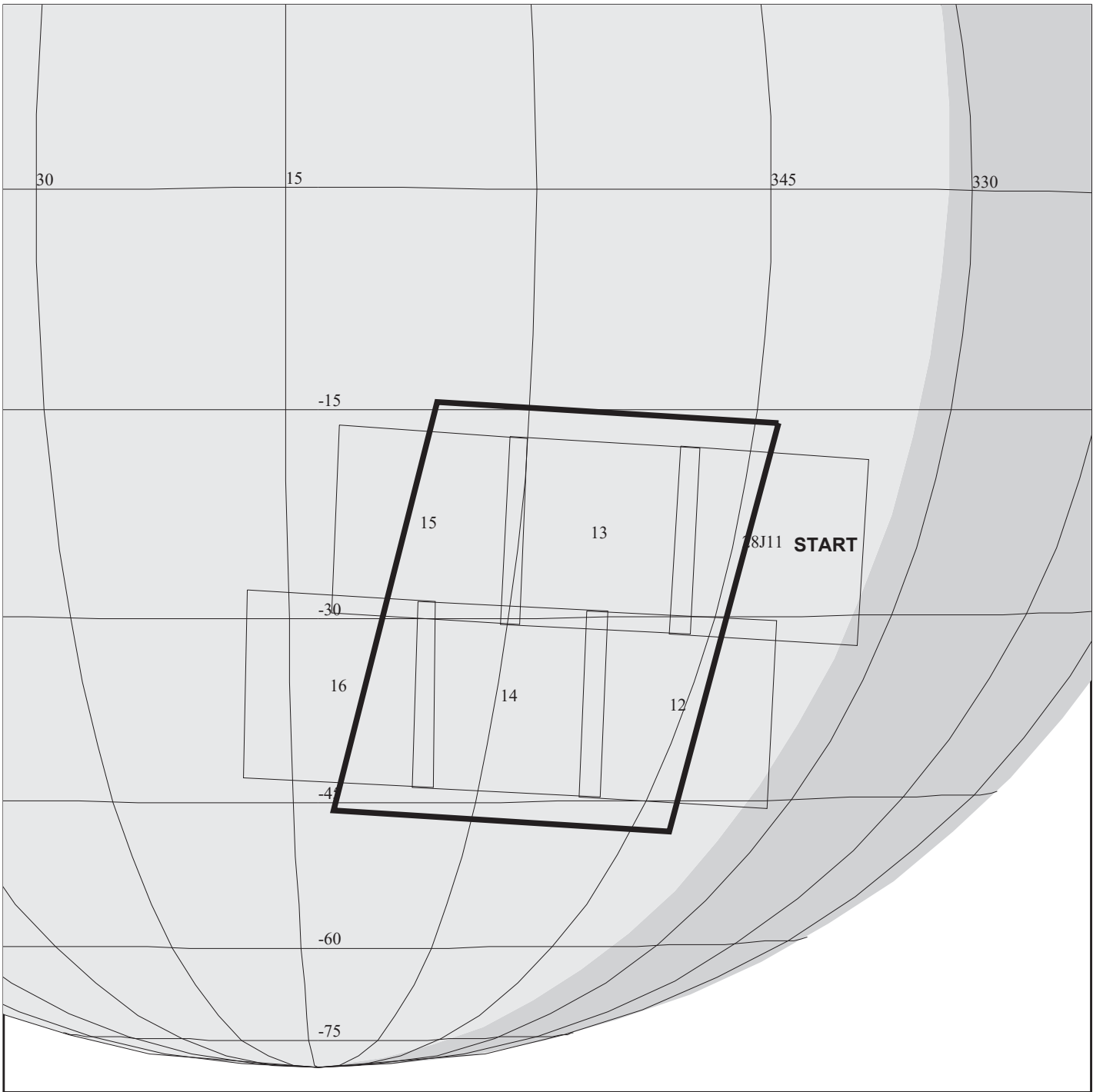
OBSERVATION:28JNAURORA08

THINNING:NIM 2

BODY PLOT TIME:TARGET-TIME D= 1820 S= 0.900

DESCRIP:JUPITER_NORTHERN_AURORA_MAPPING

Jupiter Northern Aurora Mapping 08		ACTIVITY ID:	28JNAURORA08-		
		START TIME:	00-143/18:06:20.267		
Activity ID: Orbit 28 Target J Inst N OAPEL AURORA SeqNo 08 -					
Title	Jupiter Northern Aurora Mapping 08		Instrument	NIMS	
Requestor	NIMS-SWG/M. SEGURA		Team	NIMS Working Group	AWG
Time System	CDS	Load ID	Calendar Date	05/22/00	Week 21
Start	JEE+CDS	00002209:00:0	00-143/18:06:20.267	JEE+001/13:13:32.667	
End	JEE+CDS	00002223:00:0	00-143/18:20:29.600	JEE+001/13:27:42.000	
Duration		00000014:00:0	000/00:14:09.333	000/00:14:09.333	
Top Label	28JNAURORA08-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	300	Report Options	BOTH	Scan Platform	No
CDS Source	OAP	Spin State	DUAL	DMS	No
Observation Objective					
Northern Aurora Mapping, 10 minute samples done at 1 hour intervals.					
Data Returned					
Design Detail					
BTG=0.48 MB, TICS=143, FMT=MPW Long Map, Nyquist Sampling					
Due to the loss of the LPU record mode, only part of the scan was recorded.					
SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT					
Fixed Long Map (XLM), Gain 2, Grating Start 0, MPW, JLM442, JLM360					
Galileo Activity Plan Form			05/31/00	00:00:00	rev 6/95



28JNFEATR03

DESIGN G3.2 herb : 3/30/2000 10:24:33

FILE:P.28JSFEATR03

CENTRAL BODY:JUPITER III

MINI:m.28JSFEATR03

S/C EPH:/DATA/NAVIO/000224-tour.NS

PERIAPSIS:

START:JEE 00-142/04:52:47.600 +CDS 2225:00:0

OBSERVATION:28JSFEATR03

165IO:TT= 0 TMC= 1 C= 9.20 XC= -3.65 BS= 0/2440 TC= 1(-30.0 357.0)
 A= 302 pD= 932 SR=17.450 RA50= 97.00 DEC50= 24.87 cone=129.40 clock=279.42
 118IO:#SB= 1 Cs= -3.60 XCs= 7.31 TPP= 182 SR= 3.700 RR= 4.000 BM=F RC= 1 BS=11/2440
 1:#s= 2 #p= 3 Cr= -3.71 XCr= -7.31

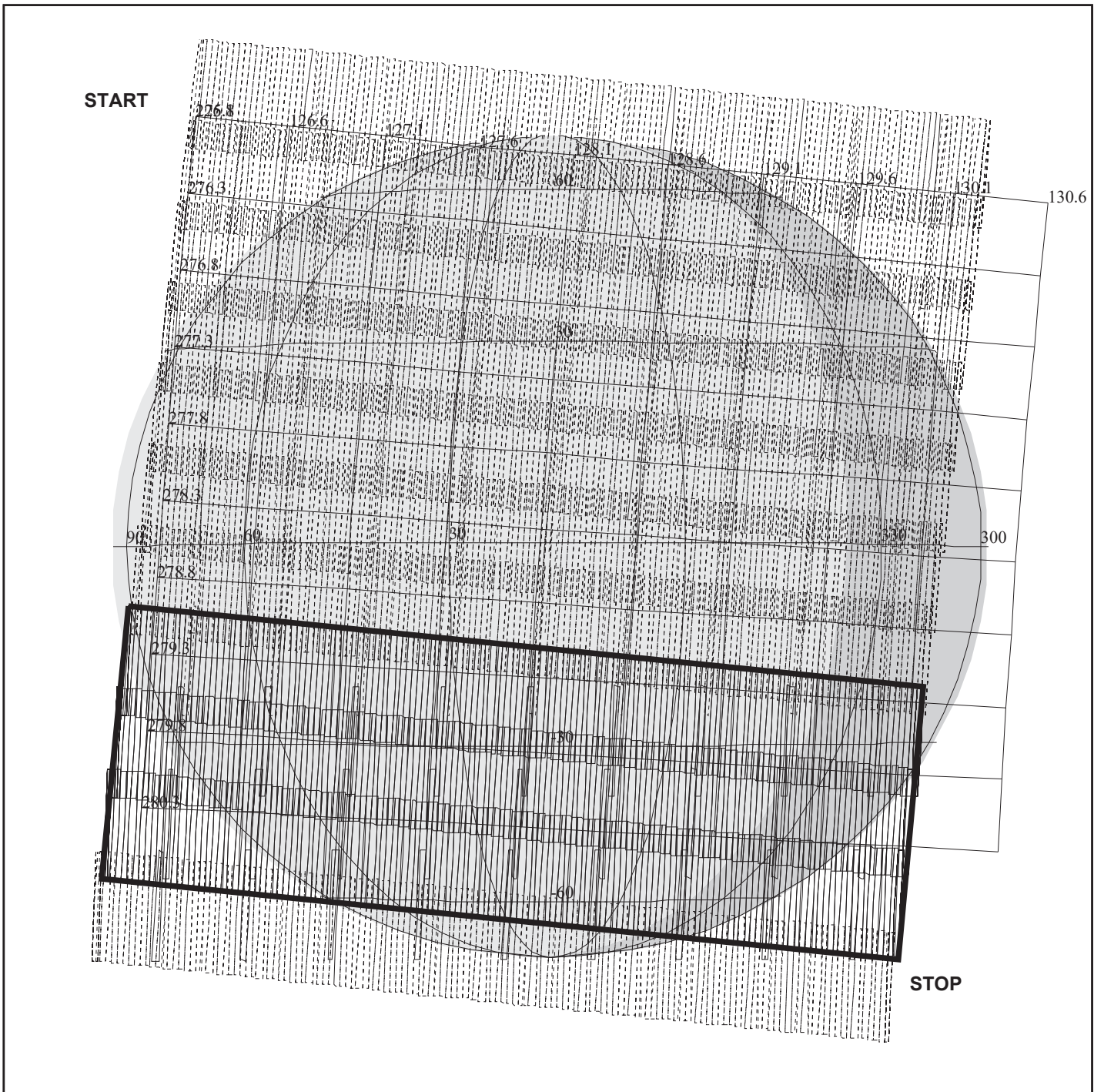
ALIAS: 28JSFEATR03

THINNING:

BODY PLOT TIME:TARGET-TIME D= 932 S= 1.700

DESCRIP:FEATURE TRACK

Jupiter Feature Track		ACTIVITY ID: 28JNFEATR03-	
		START TIME: 00-143/18:20:29.600	
Activity ID: Orbit 28 Target J Inst N OAPEL FEATR03 SeqNo 03 -			
Title	Jupiter Feature Track	Instrument	NIMS
Requestor	SSI	Team NIMS Working Group	AWG
Time System	CDS	Load ID	Calendar Date 05/22/00 Week 20
Start	JEE+CDS 00002223:00:0	00-143/18:20:29.600	JEE+001/13:27:42.000
End	JEE+CDS 00002231:00:0	00-143/18:28:34.934	JEE+001/13:35:47.334
Duration	00000008:00:0	000/00:08:05.333	000/00:08:05.333
Top Label	28JNFEATR03-		
Bottom Label			
Plot Key	NIMS	Type	SCI
CDS Bytes	300	Report Options	BOTH
CDS Source	OAP	Spin State	DUAL
		Scan Platform	No
		DMS	No
Observation Objective			
Feature track of Great Red Spot at high spatial and temporal resolution; observe long-term temporal change in the four years since G1.			
ride-along behind SSI.			
Data Returned			
Design Detail			
Alias: 28JSFEATR03			
2x3 mosaic at latitude -15 to -45, West longitude 345 to 10.			
SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT			
Safe Mode (XS), Gain 2, Grating Start 0, HIM, JLM17, JLM15			
Fixed Map (XM), Gain 2, Grating Start 0, HIM, JLM17, JLM15			
Galileo Activity Plan Form		05/31/00 00:00:00	rev 6/95



165KF:TT= 0 TMC= 1 C= -36.00 XC= -38.00 BS= 0/3714 TC= 3
 A= 140 pD= 0 SR=17.450 RA50=100.70 DEC50= 27.86 cone=126.08 clock=275.64
 117KF:#SB= 1 OR= 0.760 RR=12.000 BM=F RC= 1 BS= 0/3714
 1:#s= 11 Cs= 72.00 XCs= 0.00 Cr= -72.50 XCr= 7.50 sD= 298 rD= 30

28JNGLOBAL03

TARGET G3.1 lisac: 4/10/2000 11:54:24

FILE:P.28JNGLOBAL03

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/000224-tour.NS

PERIAPSIS:

START:JEE 00-142/04:52:47.600 +CDS 2232:00:0

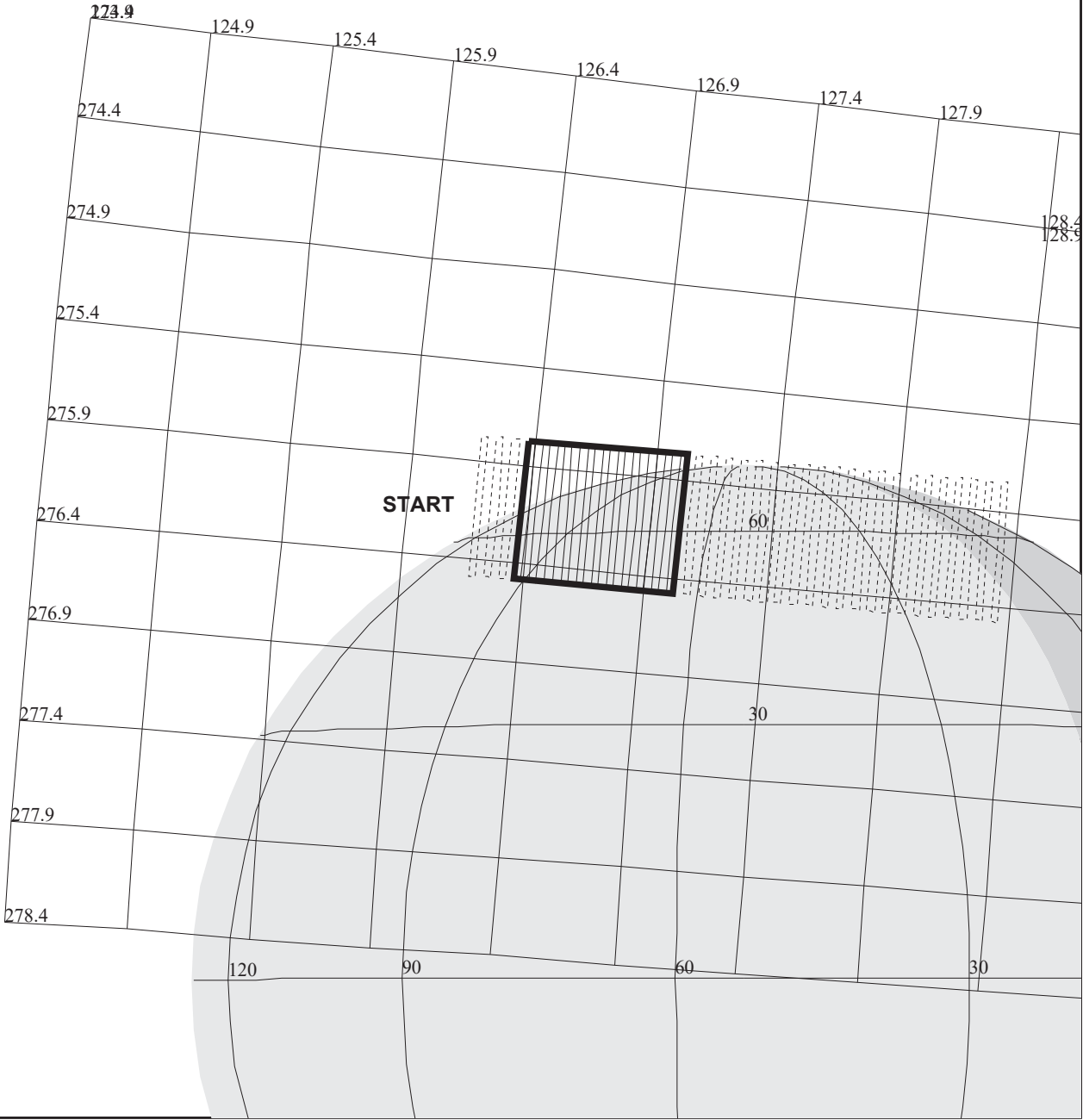
OBSERVATION:28JNGLOBAL03

THINNING:NIM 2

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

DESCRIP:JUPITER_GLOBAL_OBSERVATION

Jupiter Global Observation 03		ACTIVITY ID:	28JNGLOBAL03-		
		START TIME:	00-143/18:21:30.267		
Activity ID: Orbit 28 Target J Inst N OAPEL GLOBAL SeqNo 03 -					
Title	Jupiter Global Observation 03		Instrument	NIMS	
Requestor	NIMS-SWG/M. SEGURA		Team	NIMS Working Group	AWG
Time System	CDS	Load ID	Calendar Date	05/22/00	Week 21
Start	JEE+CDS 00002224:00:0		00-143/18:21:30.267	JEE+001/13:28:42.667	
End	JEE+CDS 00002248:00:0		00-143/18:45:46.267	JEE+001/13:52:58.667	
Duration	00000024:00:0		000/00:24:16.000	000/00:24:16.000	
Top Label	28JNGLOBAL03-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	300	Report Options	BOTH		
CDS Source	OAP	Spin State	DUAL	Scan Platform	No
				DMS	No
Observation Objective					
Third of three full-disk maps. This mosaic covers 330 to 80 degrees West longitude at the equator.					
Data Returned					
Design Detail					
BTG=5.00 MB, TICS=283, FMT=MPW Fixed Map, Nyquist Sampling					
Due to the loss of the LPU record mode, only the southern half of the mosaic is actually recorded. The GRS and White Oval latitudes are observed.					
SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT					
Fixed Map (XM), Gain 2, Grating Start 0, MPW, JXM17, JXM15					
Galileo Activity Plan Form			05/31/00	00:00:00	rev 6/95



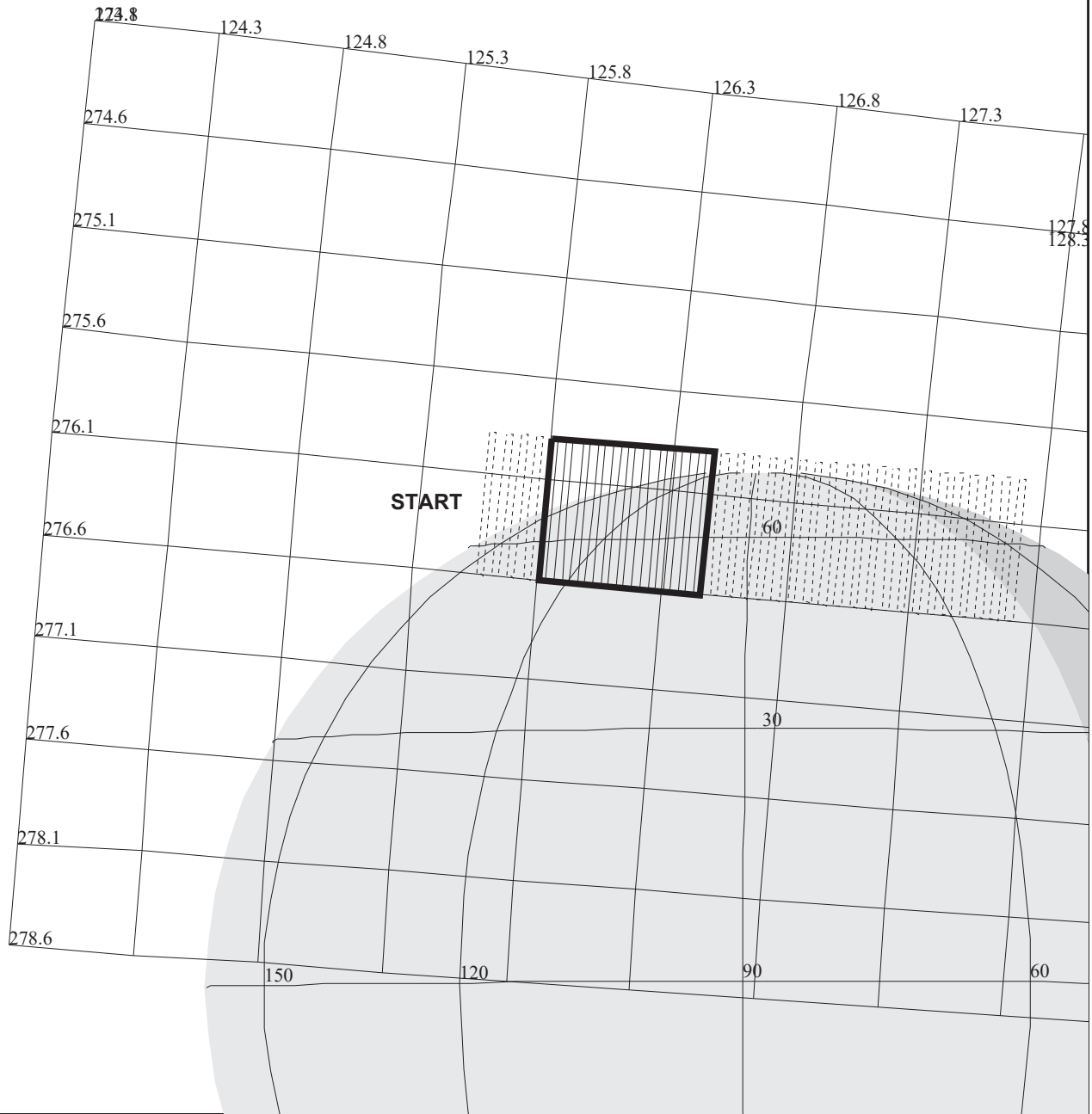
165KG:TT= 0 TMC=1 C= -22.00 XC= -32.00 BS= 0/4634 TC= 3
 A= 728 pD= 1820 SR=17.450 RA50=100.59 DEC50= 27.45 cone=126.18 clock=276.15
 117KG:#SB= 1 OR= 0.060 RR=12.000 BM=F RC= 1 BS= 0/4634
 1:#s= 1 Cs= 36.00 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 1820 rD= 2

28JNAURORA09

TARGET G3.1 lisac: 4/10/2000 11:54:24
 FILE:P.28JNAURORA09
 CENTRAL BODY:JUPITER
 MINI:m.target
 S/C EPH:/DATA/NAVIO/000224-tour.NS
 PERIAPSIS:
 START:JEE 00-142/04:52:47.600 +CDS 2292:00:0
 OBSERVATION:28JNAURORA09

THINNING:NIM 2
 BODY PLOT TIME:TARGET-TIME D= 1820 S= 0.900
 DESCRIP:JUPITER_NORTHERN_AURORA_MAPPING

Jupiter Northern Aurora Mapping 09		ACTIVITY ID:	28JNAURORA09-		
		START TIME:	00-143/19:26:12.934		
Activity ID: Orbit 28 Target J Inst N OAPEL AURORA SeqNo 09 -					
Title	Jupiter Northern Aurora Mapping 09		Instrument	NIMS	
Requestor	NIMS-SWG/M. SEGURA		Team	NIMS Working Group	AWG
Time System	CDS	Load ID	Calendar Date	05/22/00	Week 21
Start	JEE+CDS	00002288:00:0	00-143/19:26:12.934	JEE+001/14:33:25.334	
End	JEE+CDS	00002302:00:0	00-143/19:40:22.267	JEE+001/14:47:34.667	
Duration		00000014:00:0	000/00:14:09.333	000/00:14:09.333	
Top Label	28JNAURORA09-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	300	Report Options	BOTH	Scan Platform	No
CDS Source	OAP	Spin State	DUAL	DMS	No
Observation Objective					
Northern Aurora Mapping, 10 minute samples done at 1 hour intervals.					
Data Returned					
Design Detail					
BTG=0.48 MB, TICS=143, FMT=MPW Long Map, Nyquist Sampling					
Due to the loss of the LPU record mode, only part of the scan was recorded.					
SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT					
Fixed Long Map (XLM), Gain 2, Grating Start 0, MPW, JLM442, JLM360					
Galileo Activity Plan Form			05/31/00	00:00:00	rev 6/95



28JNAURORA10

165Kl:TT= 0 TMC= 1 C= -22.00 XC= -32.00 BS= 0/5372 TC= 3
 A= 728 pD= 1820 SR=17.450 RA50=101.34 DEC50= 27.39 cone=125.51 clock=276.22
 117Kl:#SB= 1 OR= 0.060 RR=12.000 BM=F RC= 1 BS= 0/5372
 1:#s= 1 Cs= 36.00 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 1820 rD= 2

TARGET G3.1 lisac: 4/10/2000 11:54:24

FILE:P.28JNAURORA10

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/000224-tour.NS

PERIAPSIS:

THINNING:NIM 2

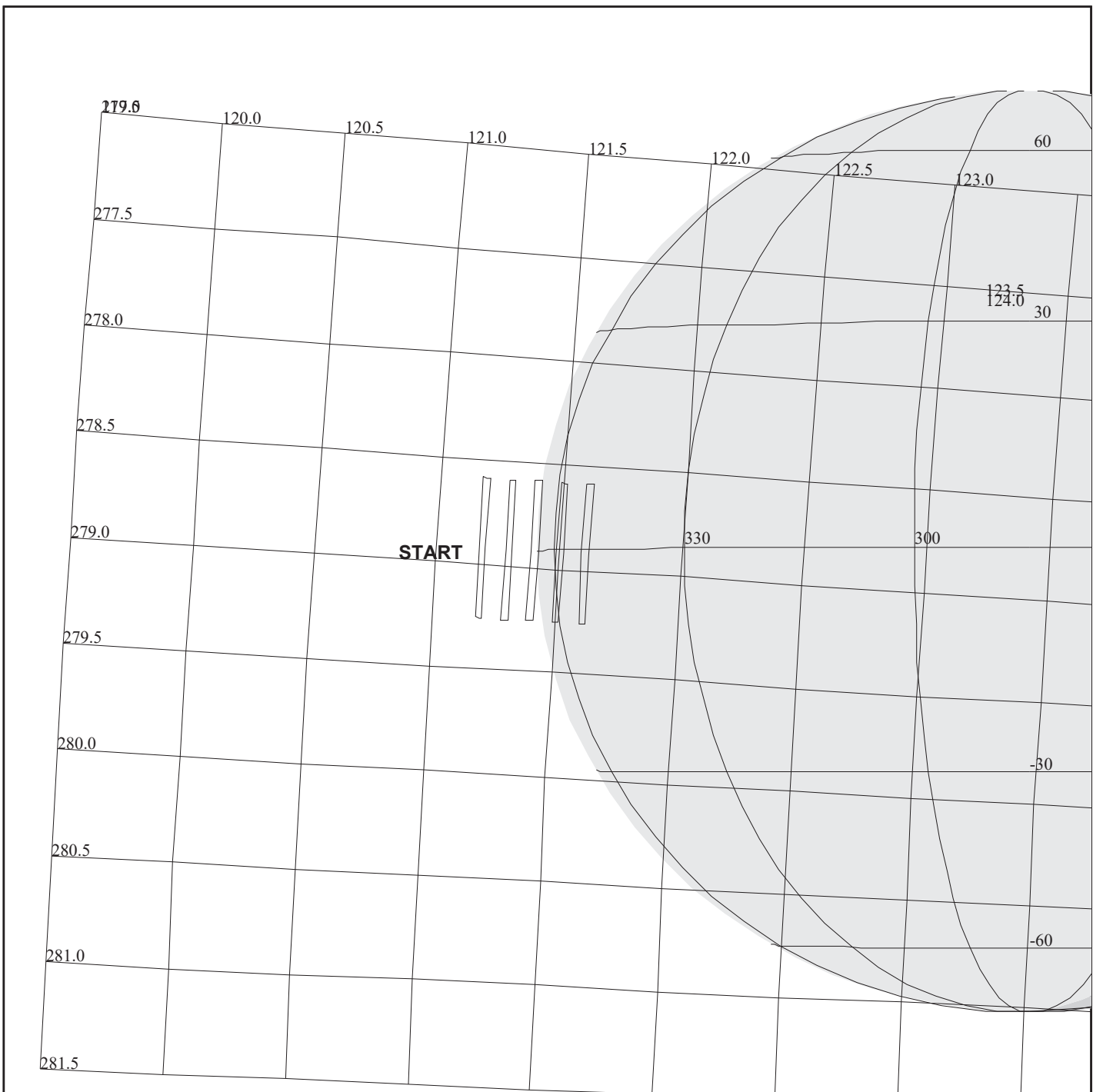
START:JEE 00-142/04:52:47.600 +CDS 2351:00:0

BODY PLOT TIME:TARGET-TIME D= 1820 S= 0.900

OBSERVATION:28JNAURORA10

DESCRIP:JUPITER_NORTHERN_AURORA_MAPPING

Jupiter Northern Aurora Mapping 10		ACTIVITY ID:	28JNAURORA10-		
		START TIME:	00-143/20:25:52.267		
Activity ID: Orbit 28 Target J Inst N OAPEL AURORA SeqNo 10 -					
Title	Jupiter Northern Aurora Mapping 10		Instrument	NIMS	
Requestor	NIMS-SWG/M. SEGURA		Team	NIMS Working Group	AWG
Time System	CDS	Load ID	Calendar Date	05/22/00	Week 21
Start	JEE+CDS	00002347:00:0	00-143/20:25:52.267	JEE+001/15:33:04.667	
End	JEE+CDS	00002361:00:0	00-143/20:40:01.600	JEE+001/15:47:14.000	
Duration		00000014:00:0	000/00:14:09.333	000/00:14:09.333	
Top Label	28JNAURORA10-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	300	Report Options	BOTH	Scan Platform	No
CDS Source	OAP	Spin State	DUAL	DMS	No
Observation Objective					
Northern Aurora Mapping, 10 minute samples done at 1 hour intervals.					
Data Returned					
Design Detail					
BTG=0.48 MB, TICS=143, FMT=MPW Long Map, Nyquist Sampling					
Due to the loss of the LPU record mode, only part of the scan was recorded.					
SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT					
Fixed Long Map (XLM), Gain 2, Grating Start 0, MPW, JLM442, JLM360					
Galileo Activity Plan Form			05/31/00	00:00:00	rev 6/95



165KJ:TT= 0 TMC= 1 C= -4.00 XC= 0.00 BS= 0/5432 TC= 1(0 13)
 A= 728 pD= 900 SR=17.450 RA50=106.03 DEC50= 25.00 cone=121.22 clock=278.90
 117KJ:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/5432
 1:#s= 1 Cs= 8.85 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 900 rD= 2

28JNEQBLGE06

TARGET G3.1 lisac: 4/10/2000 11:54:24

FILE:P.28JNEQBLGE06

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/000224-tour.NS

PERIAPSIS:

START:JEE 00-142/04:52:47.600 +CDS 2681:00:0

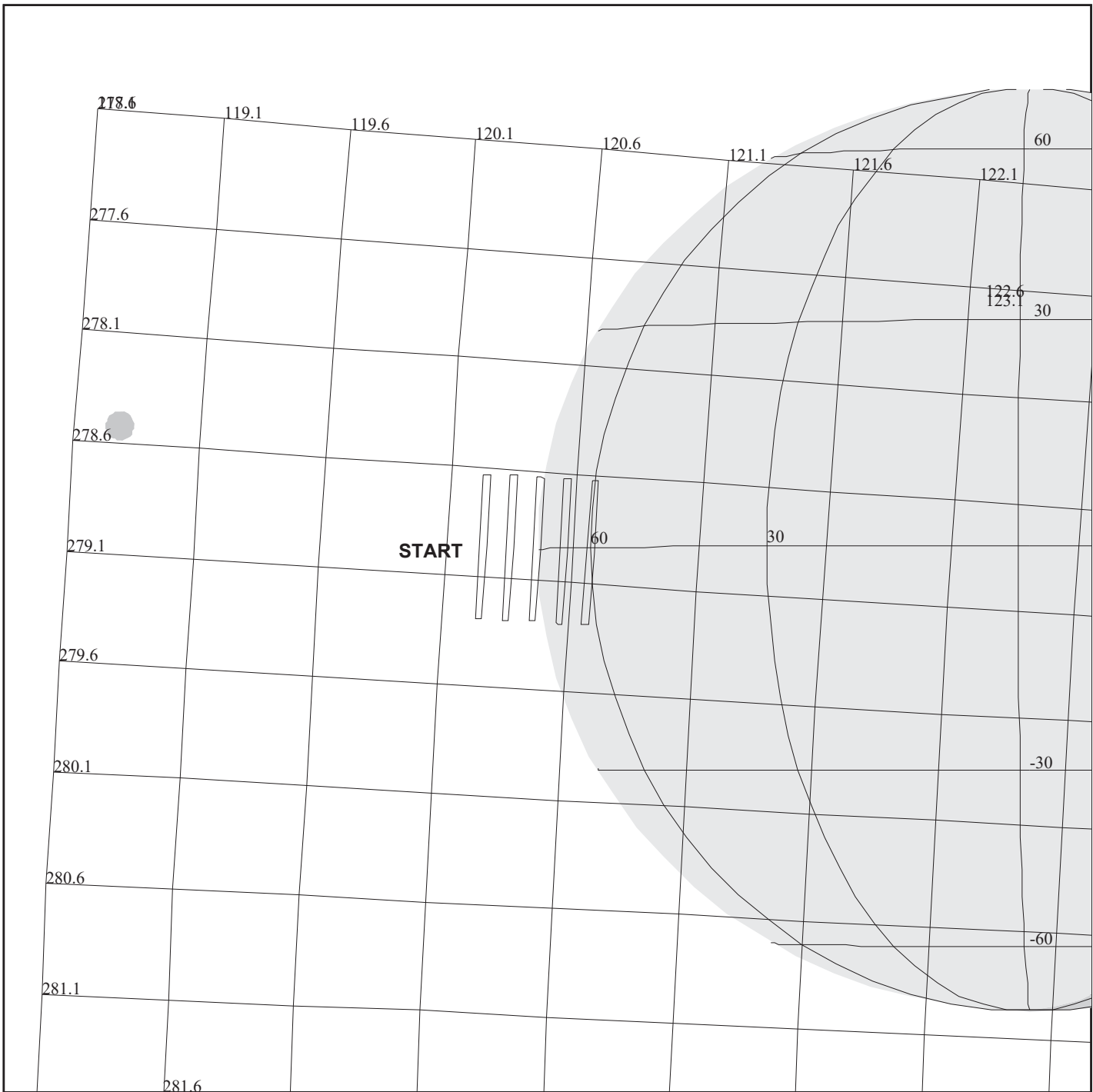
OBSERVATION:28JNEQBLGE06

THINNING:NIM 7

BODY PLOT TIME:TARGET-TIME D= 900 S= 0.900

DESCRIP:JUPITER_EQUATORIAL_BULGE

Jupiter Equatorial Bulge 06		ACTIVITY ID:	28JNEQBLGE06-		
		START TIME:	00-144/01:59:32.267		
Activity ID: Orbit 28 Target J Inst N OAPEL EQBLGE SeqNo 06 -					
Title	Jupiter Equatorial Bulge 06		Instrument	NIMS	
Requestor	NIMS-SWG/M. SEGURA		Team	NIMS Working Group	AWG
Time System	CDS	Load ID	Calendar Date	05/23/00	Week 21
Start	JEE+CDS 00002677:00:0		00-144/01:59:32.267	JEE+001/21:06:44.667	
End	JEE+CDS 00002686:00:0		00-144/02:08:38.267	JEE+001/21:15:50.667	
Duration	00000009:00:0		000/00:09:06.000	000/00:09:06.000	
Top Label	28JNEQBLGE06-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	300	Report Options	BOTH		
CDS Source	OAP	Spin State	DUAL	Scan Platform	No
			DMS		No
Observation Objective					
Limb scan of equatorial bulge.					
Data Returned					
Design Detail					
R/T Enc BTG=0.08 MB, BDT Limbscan					
Mirror Blocked (11011,11011) (1B,1B)					
SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT					
Fixed Long Map (XLM), Gain 2, Grating Start 0, R/T, JLM408					
Galileo Activity Plan Form			05/31/00	00:00:00	rev 6/95



165KK:TT= 0 TMC= 1 C= -4.00 XC= 0.00 BS= 0/7090 TC= 1(0 83)
 A= 728 pD= 900 SR=17.450 RA50=107.11 DEC50= 24.88 cone=120.23 clock=278.95
 117KK:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/7090
 1:#s= 1 Cs= 8.85 XC= 0.00 Cr= 0.00 XC= 0.00 sD= 900 rD= 2

28JNEQBLGE07

TARGET G3.1 lisac: 4/10/2000 11:54:24

FILE:P.28JNEQBLGE07

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/000224-tour.NS

PERIAPSIS:

START:JEE 00-142/04:52:47.600 +CDS 2800:00:0

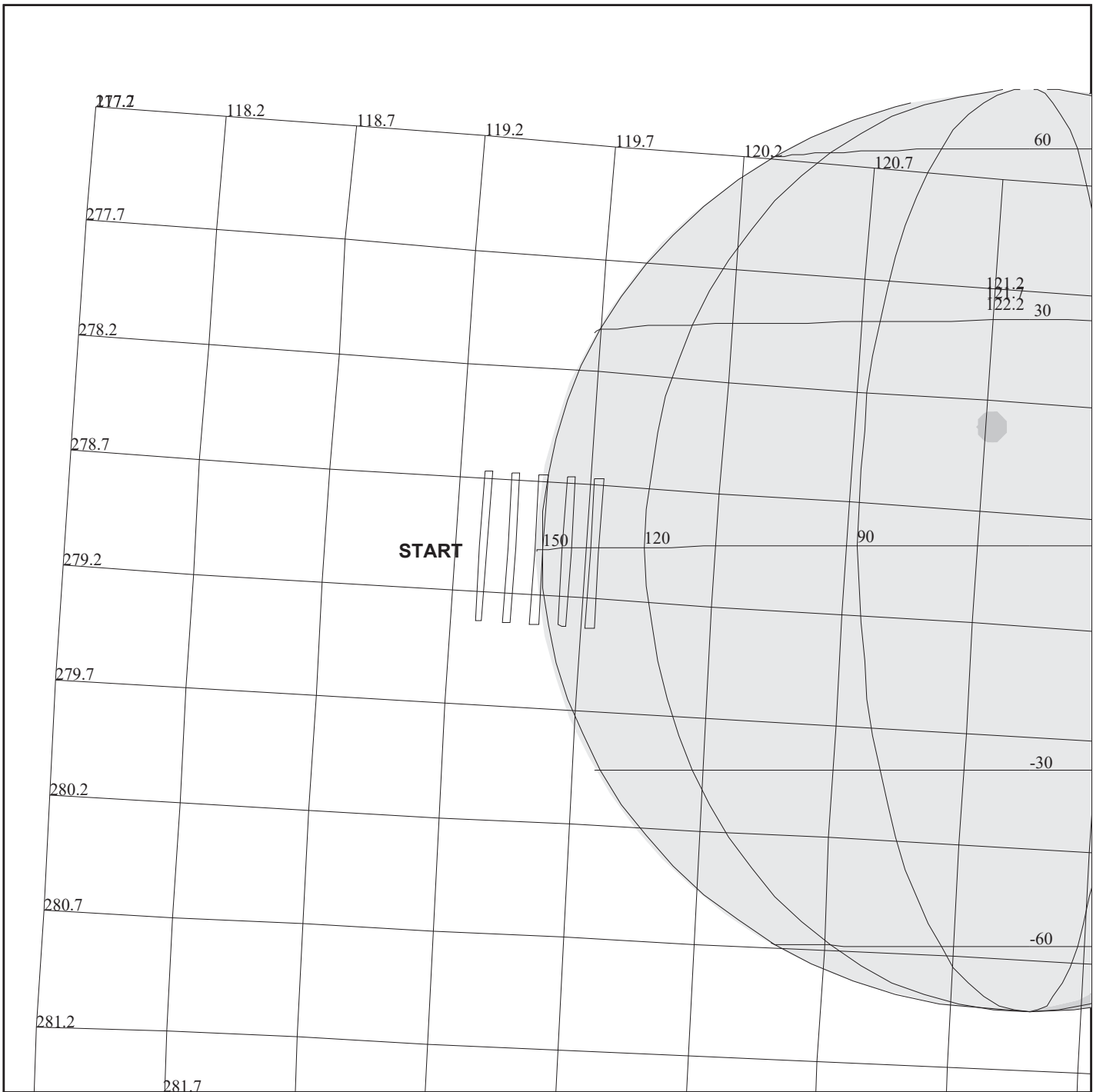
OBSERVATION:28JNEQBLGE07

THINNING:NIM 7

BODY PLOT TIME:TARGET-TIME D= 900 S= 0.900

DESCRIP:JUPITER_EQUATORIAL_BULGE

Jupiter Equatorial Bulge 07		ACTIVITY ID:	28JNEQBLGE07-		
		START TIME:	00-144/03:59:51.600		
Activity ID: Orbit 28 Target J Inst N OAPEL EQBLGE SeqNo 07 -					
Title	Jupiter Equatorial Bulge 07		Instrument		NIMS
Requestor	NIMS-SWG/M. SEGURA		Team	NIMS Working Group	AWG
Time System	CDS	Load ID	Calendar Date	05/23/00	Week 21
Start	JEE+CDS	00002796:00:0	00-144/03:59:51.600	JEE+001/23:07:04.000	
End	JEE+CDS	00002805:00:0	00-144/04:08:57.600	JEE+001/23:16:10.000	
Duration		00000009:00:0	000/00:09:06.000	000/00:09:06.000	
Top Label	28JNEQBLGE07-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	300	Report Options	BOTH		
CDS Source	OAP	Spin State	DUAL	Scan Platform	No
				DMS	No
Observation Objective					
Limb scan of equatorial bulge.					
Data Returned					
Design Detail					
R/T Enc BTG=0.08 MB, BDT Limbscan					
Mirror Blocked (11011,11011) (1B,1B)					
SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT					
Fixed Long Map (XLM), Gain 2, Grating Start 0, R/T, JLM408					
Galileo Activity Plan Form			05/31/00	00:00:00	rev 6/95



165KL:TT= 0 TMC= 1 C= -4.00 XC= 0.00 BS= 0/8748 TC= 1(0 151)
 A= 728 pD= 900 SR=17.450 RA50=108.11 DEC50= 24.76 cone=119.31 clock=279.01
 117KL:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/8748
 1:#s= 1 Cs= 8.85 XC= 0.00 Cr= 0.00 XCr= 0.00 sD= 900 rD= 2

28JNEQBLGE08

TARGET G3.1 lisac: 4/10/2000 11:54:24

FILE:P.28JNEQBLGE08

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/000224-tour.NS

PERIAPSIS:

START:JEE 00-142/04:52:47.600 +CDS 2919:00:0

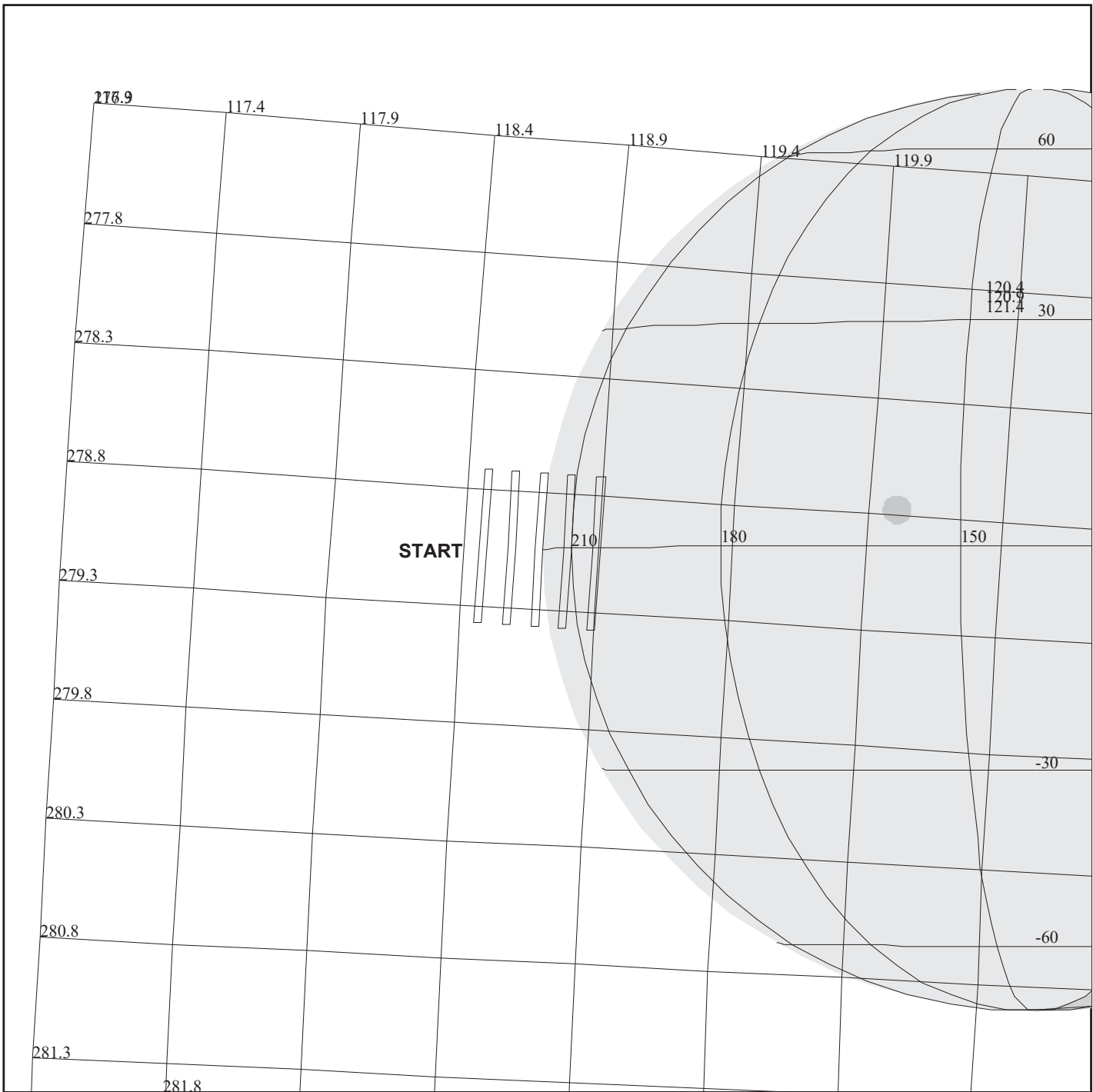
OBSERVATION:28JNEQBLGE08

THINNING:NIM 7

BODY PLOT TIME:TARGET-TIME D= 900 S= 0.900

DESCRIP:JUPITER_EQUATORIAL_BULGE

Jupiter Equatorial Bulge 08		ACTIVITY ID:	28JNEQBLGE08-		
		START TIME:	00-144/06:00:10.934		
Activity ID: Orbit 28 Target J Inst N OAPEL EQBLGE SeqNo 08 -					
Title	Jupiter Equatorial Bulge 08		Instrument		NIMS
Requestor	NIMS-SWG/M. SEGURA		Team	NIMS Working Group	AWG
Time System	CDS	Load ID	Calendar Date	05/23/00	Week 21
Start	JEE+CDS 00002915:00:0		00-144/06:00:10.934	JEE+002/01:07:23.334	
End	JEE+CDS 00002924:00:0		00-144/06:09:16.934	JEE+002/01:16:29.334	
Duration	00000009:00:0		000/00:09:06.000	000/00:09:06.000	
Top Label	28JNEQBLGE08-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	300	Report Options	BOTH		
CDS Source	OAP	Spin State	DUAL	Scan Platform	No
				DMS	No
Observation Objective					
Limb scan of equatorial bulge.					
Data Returned					
Design Detail					
R/T Enc BTG=0.08 MB, BDT Limbscan					
Mirror Blocked (11011,11011) (1B,1B)					
SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT					
Fixed Long Map (XLM), Gain 2, Grating Start 0, R/T, JLM408					
Galileo Activity Plan Form			05/31/00	00:00:00	rev 6/95



165KM:TT= 0 TMC=1 C= -4.00 XC= 0.00 BS= 0/0224 TC= 1(0 228)
 A= 728 pD= 900 SR=17.450 RA50=109.08 DEC50= 24.63 cone=118.43 clock=279.06
 117KM:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/0224
 1:#s= 1 Cs= 8.85 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 900 rD= 2

28JNEQBLGE09

TARGET G3.1 lisac: 4/10/2000 11:54:24

FILE:P.28JNEQBLGE09

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/000224-tour.NS

PERIAPSIS:

START:JEE 00-142/04:52:47.600 +CDS 3037:00:0

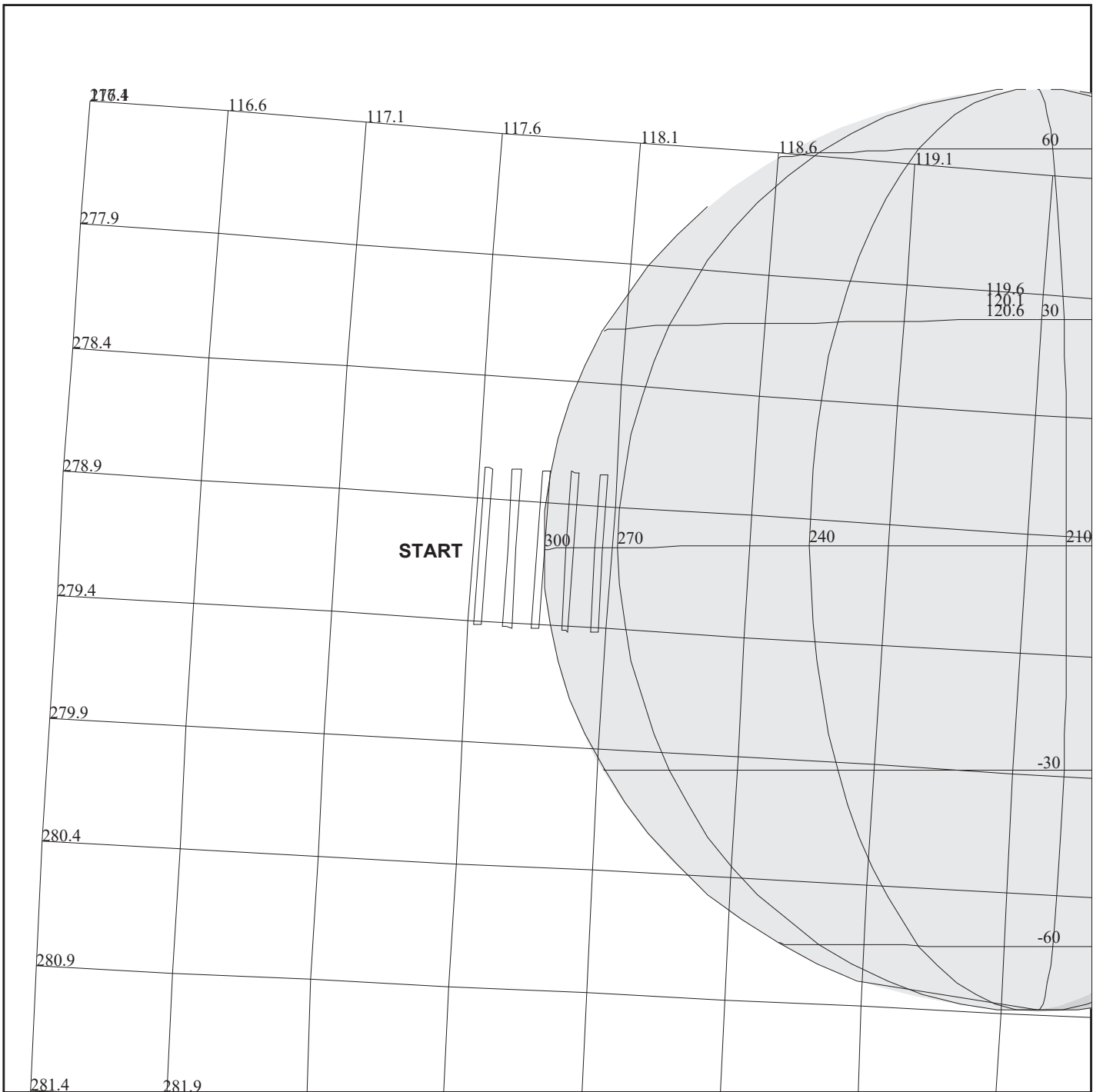
OBSERVATION:28JNEQBLGE09

THINNING:NIM 7

BODY PLOT TIME:TARGET-TIME D= 900 S= 0.900

DESCRIP:JUPITER_EQUATORIAL_BULGE

Jupiter Equatorial Bulge 09		ACTIVITY ID:	28JNEQBLGE09-		
		START TIME:	00-144/07:59:29.601		
Activity ID: Orbit 28 Target J Inst N OAPEL EQBLGE SeqNo 09 -					
Title	Jupiter Equatorial Bulge 09		Instrument		NIMS
Requestor	NIMS-SWG/M. SEGURA		Team	NIMS Working Group	AWG
Time System	CDS	Load ID	Calendar Date	05/23/00	Week 21
Start	JEE+CDS 00003033:00:0		00-144/07:59:29.601	JEE+002/03:06:42.001	
End	JEE+CDS 00003042:00:0		00-144/08:08:35.601	JEE+002/03:15:48.001	
Duration	00000009:00:0		000/00:09:06.000	000/00:09:06.000	
Top Label	28JNEQBLGE09-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	300	Report Options	BOTH		
CDS Source	OAP	Spin State	DUAL	Scan Platform	No
				DMS	No
Observation Objective					
Limb scan of equatorial bulge.					
Data Returned					
Design Detail					
R/T Enc BTG=0.08 MB, BDT Limbscan					
Mirror Blocked (11011,11011) (1B,1B)					
SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT					
Fixed Long Map (XLM), Gain 2, Grating Start 0, R/T, JLM408					
Galileo Activity Plan Form			05/31/00	00:00:00	rev 6/95



165KN:TT= 0 TMC=1 C= -4.00 XC= 0.00 BS= 0/1882 TC= 1(0 300)
 A= 728 pD= 900 SR=17.450 RA50=109.98 DEC50= 24.51 cone=117.60 clock=279.11
 117KN:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/1882
 1:#s= 1 Cs= 8.85 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 900 rD= 2

28JNEQBLGE10

TARGET G3.1 lisac: 4/10/2000 11:54:24

FILE:P.28JNEQBLGE10

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/000224-tour.NS

PERIAPSIS:

THINNING:NIM 7

START:JEE 00-142/04:52:47.600 +CDS 3156:00:0

BODY PLOT TIME:TARGET-TIME D= 900 S= 0.900

OBSERVATION:28JNEQBLGE10

DESCRIP:JUPITER_EQUATORIAL_BULGE

Jupiter Equatorial Bulge 10		ACTIVITY ID:	28JNEQBLGE10-		
		START TIME:	00-144/09:59:48.934		
Activity ID: Orbit 28 Target J Inst N OAPEL EQBLGE SeqNo 10 -					
Title	Jupiter Equatorial Bulge 10		Instrument	NIMS	
Requestor	NIMS-SWG/M. SEGURA		Team	NIMS Working Group	AWG
Time System	CDS	Load ID	Calendar Date	05/23/00	Week 21
Start	JEE+CDS 00003152:00:0		00-144/09:59:48.934	JEE+002/05:07:01.334	
End	JEE+CDS 00003161:00:0		00-144/10:08:54.934	JEE+002/05:16:07.334	
Duration	00000009:00:0		000/00:09:06.000	000/00:09:06.000	
Top Label	28JNEQBLGE10-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	300	Report Options	BOTH	Scan Platform	No
CDS Source	OAP	Spin State	DUAL	DMS	No
Observation Objective					
Limb scan of equatorial bulge.					
Data Returned					
Design Detail					
R/T Enc BTG=0.08 MB, BDT Limbscan					
Mirror Blocked (11011,11011) (1B,1B)					
SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT					
Fixed Long Map (XLM), Gain 2, Grating Start 0, R/T, JLM408					
Galileo Activity Plan Form			05/31/00	00:00:00	rev 6/95

NIMS Chopper Off		ACTIVITY ID: 28NNCHOPOF10-	
		START TIME: 00-159/01:26:32.274	
Activity ID: Orbit 28 Target N Inst N OAPEL CHOPOF SeqNo 01 -			
Title	NIMS Chopper Off	Instrument	
Requestor	NIMS-SWG/M. SEGURA	Team NIMS	Working Group NIMS AWG
Time System	CDS	Load ID	Calendar Date 06/07/00 Week 23
Start	JEE+CDS 00024007:00:0	00-159/01:26:32.274	JEE+016/20:33:44.674
End	JEE+CDS 00024017:00:0	00-159/01:36:38.941	JEE+016/20:43:51.341
Duration	00000010:00:0	000/00:10:06.667	000/00:10:06.667
Top Label	28NNCHOPOF01-		
Bottom Label			
Plot Key	NIMS	Type	SCI
CDS Bytes	000	Report Options	TOL
CDS Source	***	Spin State	N
		Scan Platform	No
		DMS	No
Observation Objective			
Turn off NIMS Chopper			
Design Detail			
Galileo Activity Plan Form			
		05/31/00	00:00:00 rev 6/95

NIMS RCT Real Time Calibration		ACTIVITY ID: 28NNRCTRLT01-	
		START TIME: 00-187/11:00:53.466	
Activity ID: Orbit 28 Target N Inst N OAPEL RCTRLT SeqNo 01 -			
Title	NIMS RCT Real Time Calibration		Instrument
Requestor	NIMS-AWG/K. BAINES	Team	NIMS Working Group
			NIMS AWG
Time System	CDS	Load ID	Calendar Date 07/05/00 Week 27
Start	RTA+CDS 00000000:00:0	00-187/11:00:53.466	RTA+000/00:00:00.000
End	RTA+CDS 00000787:00:0	00-188/00:16:38.132	RTA+000/13:15:44.666
Duration	00000787:00:0	000/13:15:44.666	000/13:15:44.666
Top Label	28NNRCTRLT01-		
Bottom Label			
Plot Key	NIMS	Type	SCI
CDS Bytes	450	Report Options	BOTH
CDS Source	OAP	Spin State	DUAL
		Scan Platform	No
		DMS	No
Observation Objective			
<p>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</p> <p>The NIMS OPCAL has been included in the RCT calibration for GEM. Perform NIMS Optical Calibration to calibrate the NIMS grating.</p> <p>This is a GEM Library Sequence The Dark cone angle must be selected using Pointer.</p> <p>No Data Returned</p>			
Design Detail			
<ol style="list-style-type: none"> 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) Long Map, gain state 4, ETB=OPCAL48. 10) Use 37IST to turn on OPCAL Lamp (two times). 11) Select NIMS Real Time 1 Rim OPCAL, 1 Rim Dark, 1 Rim OPCAL 12) Set NIMS to Safe Mode and turn off Chopper. 13) Resume Playback after using scan platform. <p>Fixed Long Map (XLM), Gain 1, Grating Start 0, R/T, RCT252 Fixed Long Map (XLM), Gain 4, Grating Start 0, R/T, OPCAL48</p>			
Galileo Activity Plan Form		05/31/00 10:48:23 rev 1/99	

NIMS Real-Time PCT Calibration		ACTIVITY ID:	28NNPCTRLT01-		
		START TIME:	00-188/18:30:39.400		
Activity ID: Orbit 28 Target N Inst N OAPEL PCTRLT SeqNo 01 -					
Title	NIMS Real-Time PCT Calibration		Instrument		NIMS
Requestor	NIMS-SWG/M. SEGURA		Team	NIMS Working Group	SWG
Time System	CDS	Load ID	Calendar Date	07/06/00	Week 27
Start	PCT+CDS 0:00:0		00-188/18:30:39.400	PCT+000/00:00:00.000	
End	PCT+CDS 00000465:00:0		00-189/02:20:49.400	PCT+000/07:50:10.000	
Duration	00000465:00:0		000/07:50:10.000	000/07:50:10.000	
Top Label	28NNPCTRLT01-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	275	Report Options	BOTH		
CDS Source	OAP	Spin State	DUAL	Scan Platform	Yes
				DMS	No
Observation Objective					
<p>This observation is an NIMS photometric calibration usint the PCT target. The data will be used to calibrate the NIMS visible detectors. The calibration data will be returned using Real-Time telemetry. At this time the off sun angle is about 2.0 degrees.</p>					
Data Returned					
Design Detail					
<ol style="list-style-type: none"> 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 2 RIMs of Dark in Real-Time (Return 2 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. 					
Fixed Long Map (XLM), Gain 4, Grating Start 0, R/T, PCT252					
Galileo Activity Plan Form			05/31/00	10:48:23	rev 1/99

Chapter 6 - Edit Tables

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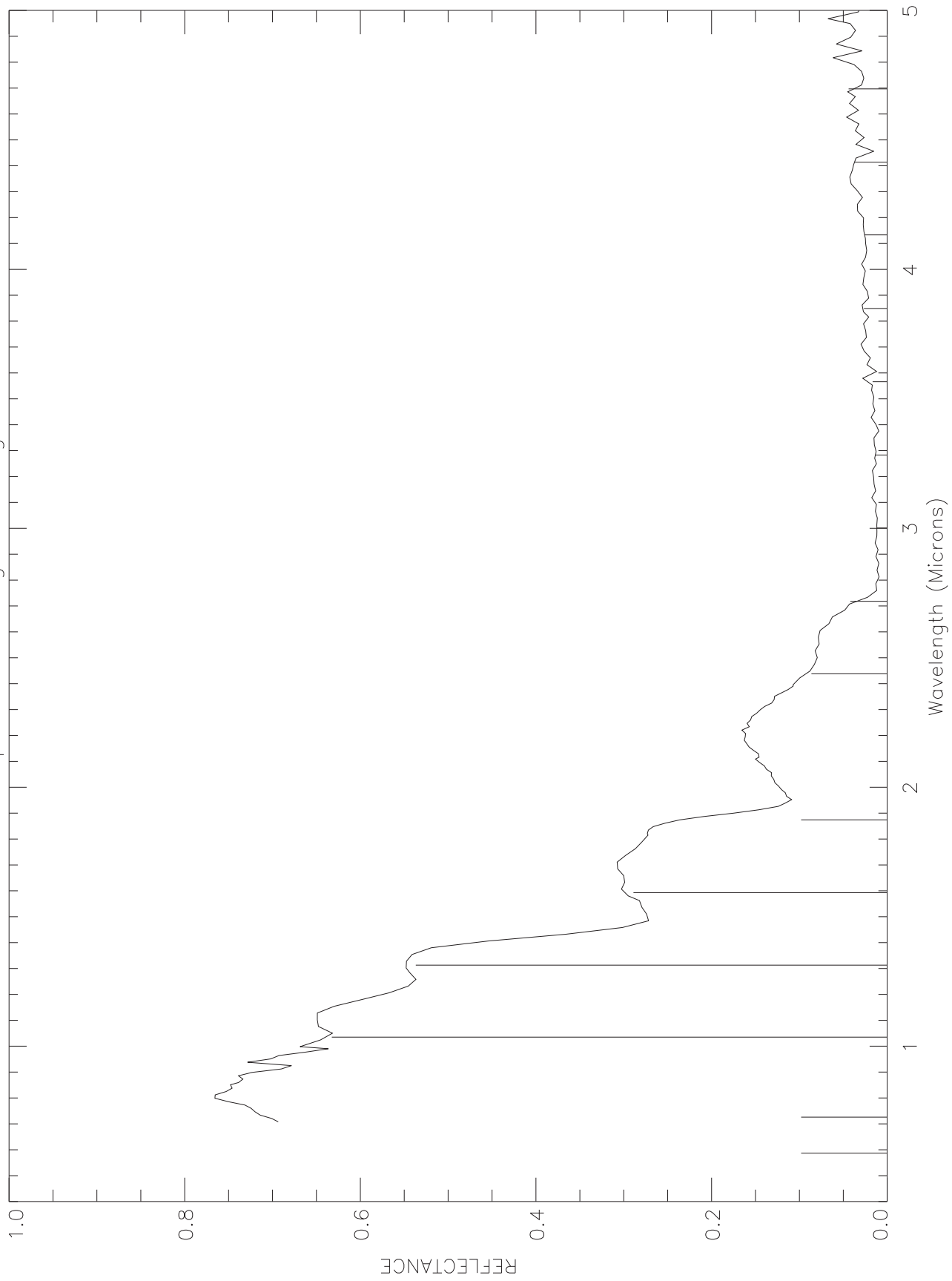
	Sub-Section	Page
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6.1	Introduction	2
6.2	Europa	3
6.3	Ganymede	4
6.4	Jupiter	5
6.5	PCT	6
6.6	RCT	7

Introduction to Chapter 6

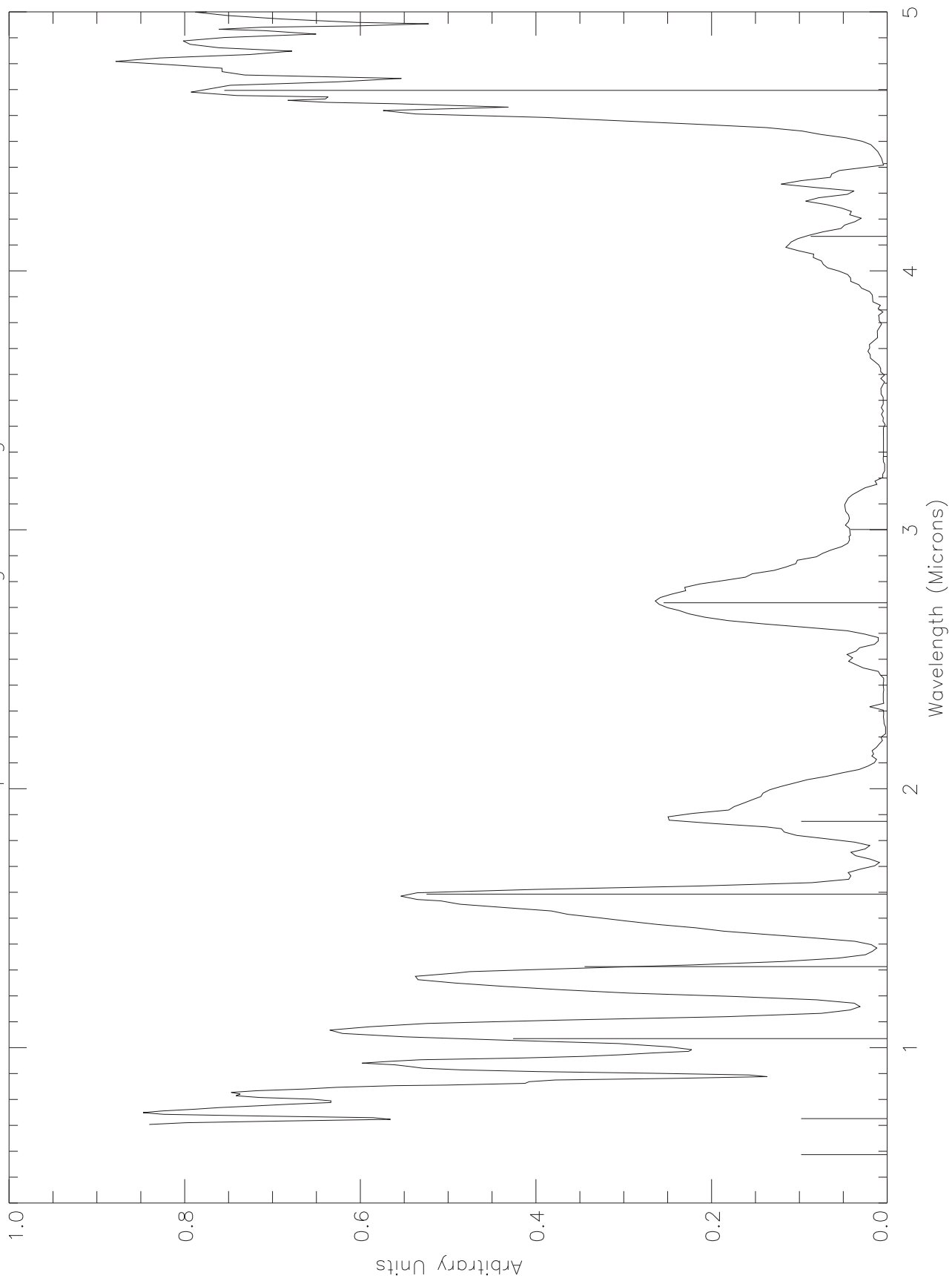
NIMS Edit Table Plots

This chapter contains plots of the NIMS Edit Tables used in G28. 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.

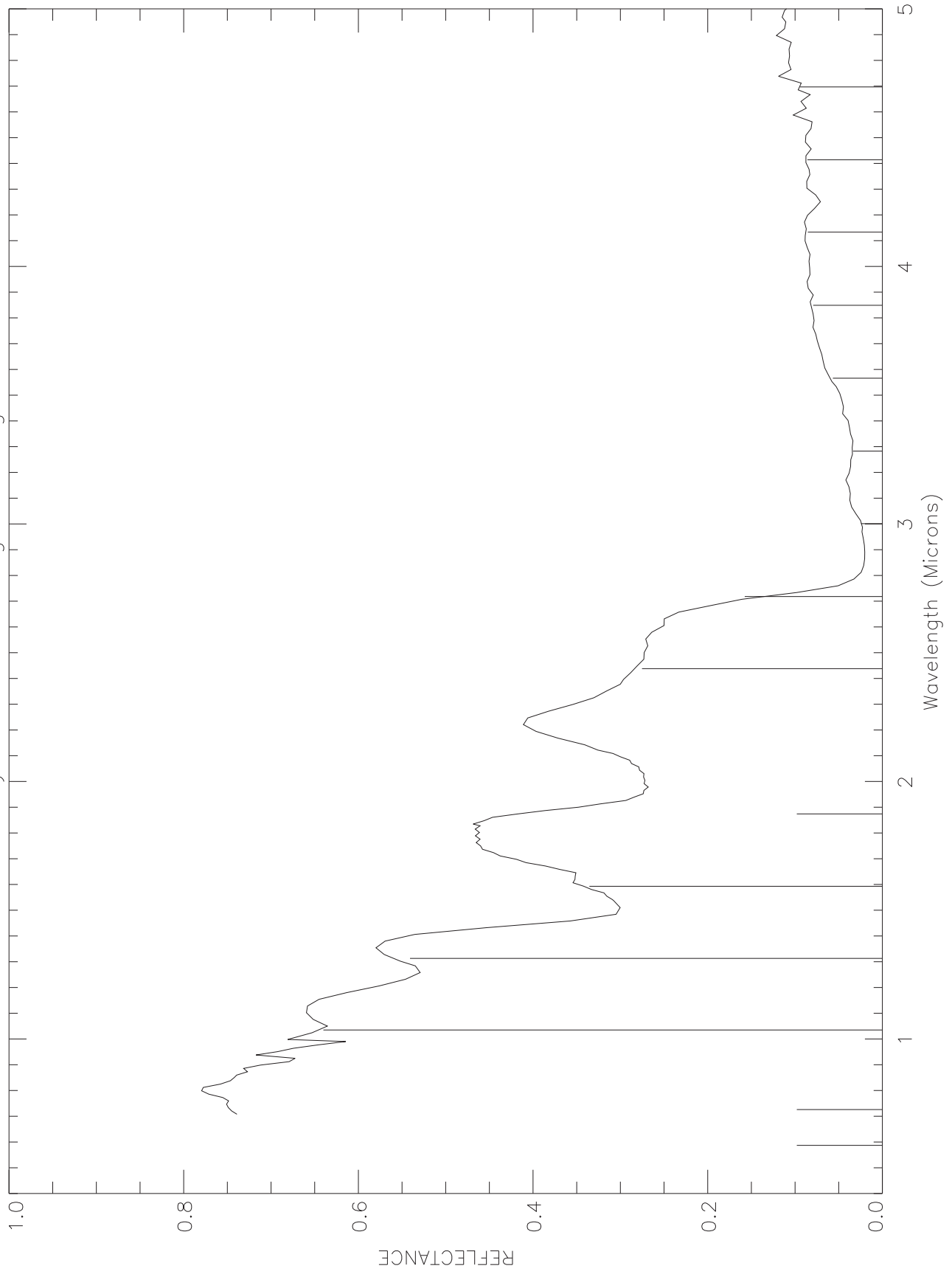
Europa Fixed—Long Wavelengths

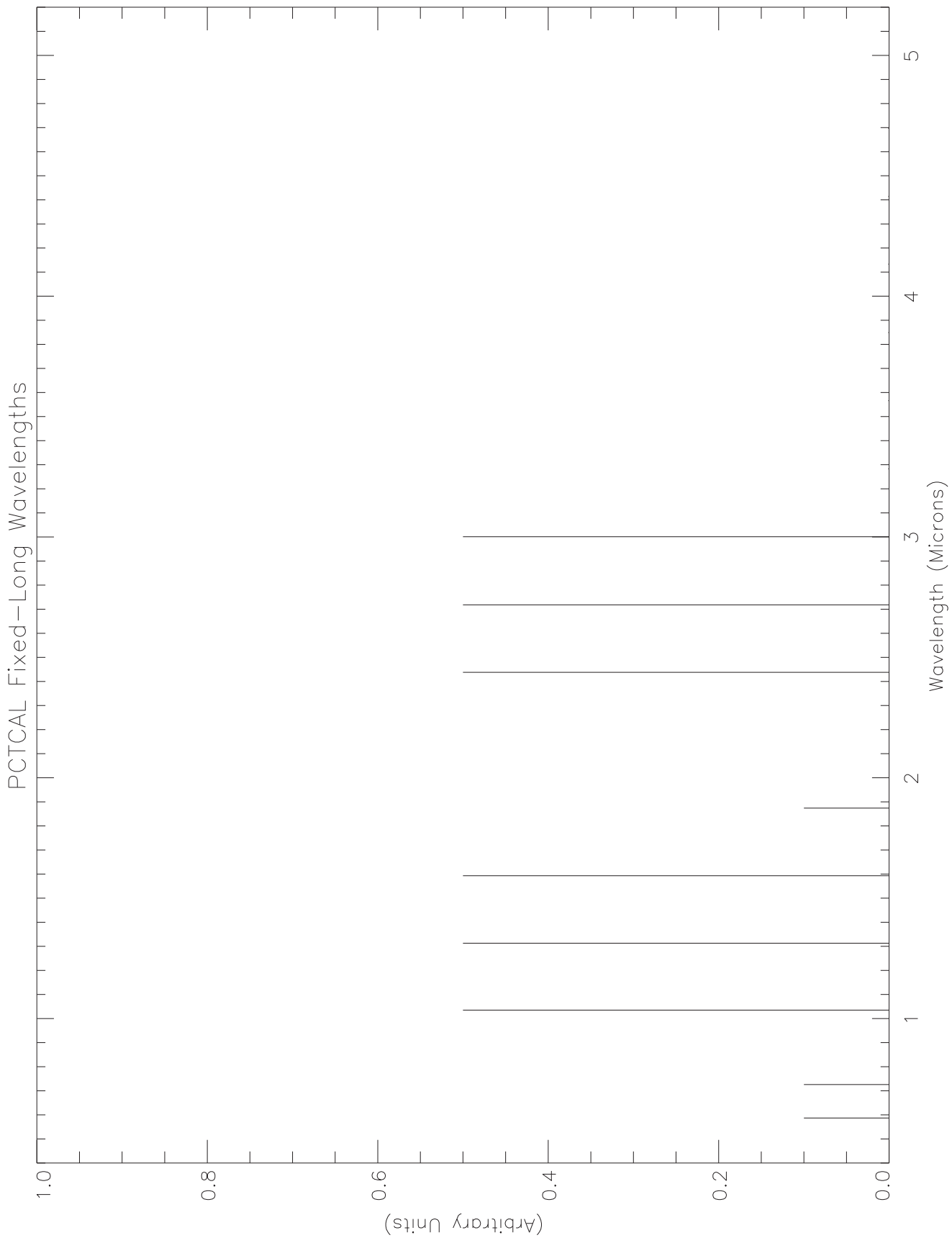


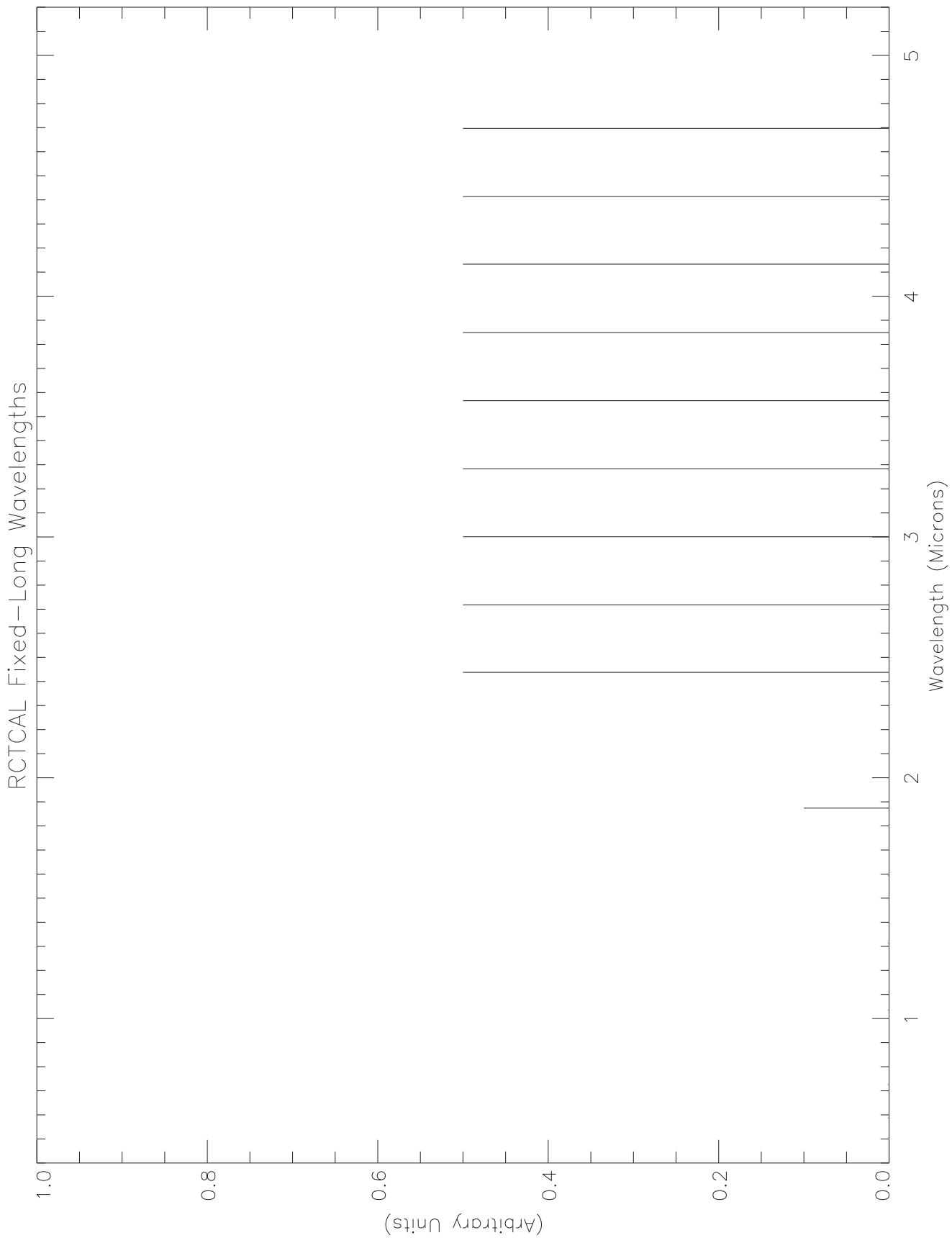
Jupiter Fixed—Long Wavelengths



Ganymede Fixed-Long Wavelengths







Chapter 7 - Data Return

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Introduction to Chapter 7

This chapter is a report on the NIMS data return for the G28 orbit. Due to the low downlink data rates available for Galileo Jupiter Operations and other unforeseen and unpredictable events during the G28 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.

The cruise portion of G28 was much longer than that of previous GEM orbits. Some of the I27 data were not recorded over during the G28 Encounter. Some of this I27 data was played back with the G28 data.

There were thirty autonomous reloads of the NIMS RAM code from CDS during the G28 encounter, one just before each science observation. Two software halts were inferred during G28. The approach that we are taking to avoid data loss due to processor halts has proven to be very successful.

The NIMS grating became stuck some time between C22 and I24. NIMS can now return only 17 (of 408) wavelengths. This has caused a drastic change in NIMS science capabilities. Detectors 1, 2 and 7 now have very low sensitivity. Detectors 3 and 8 are still not functioning. NIMS now returns only 12 useful wavelengths. Interesting science can still be carried out given the current condition of the instrument.

The plots on the pages 3 and 4 show the geometry of the NIMS G28 observations using a north trajectory pole projection. The 'returned' observations are in Bold characters and the 'non-returned' in gray. The observations with an asterix were taken with the NIMS software halted.

The spreadsheets on pages 5 through 10 summarize the 'final' playback model for the G28 data returned and also the I27 data returned during G28 cruise.

The text on page 11 gives a 'recap' of the G28 playback events which affected which observations were returned.

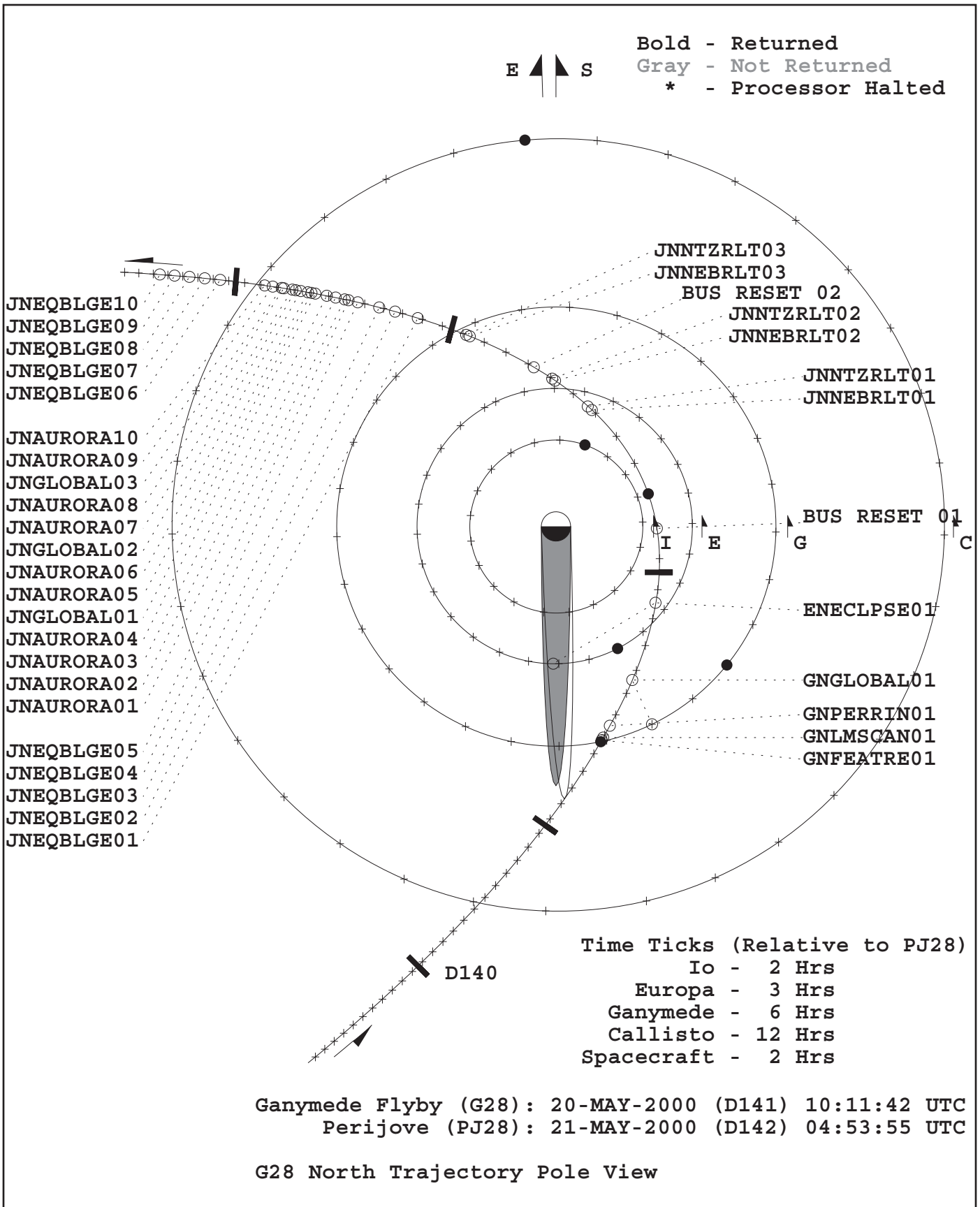
A Timeline of G28 playback events is on pages 11 through 18.

The text on pages 19 and 20 describes the I27 NIMS and Spacecraft Anomalies.

The text on page 21 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 22 and 23.

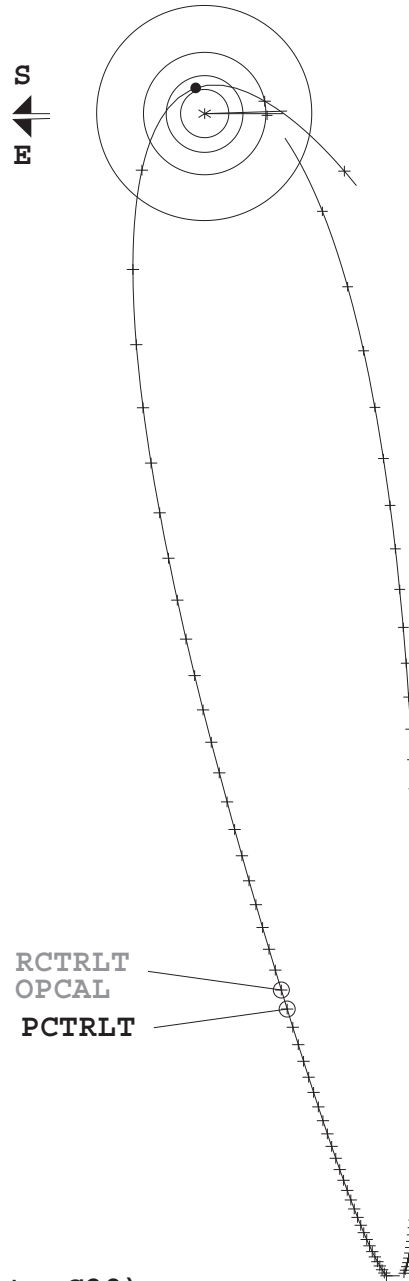
The text on page 24 is a guide to understanding the NIMS MASK.

NIMS G28 OBSERVATIONS



NIMS G28 CALIBRATIONS

Bold - Returned
Gray - Not Returned
* - Processor Halted



Time Ticks (Relative to G28)
Spacecraft - 2 Days

Ganymede Flyby (G28): 20-MAY-2000 (D141) 10:11:42 UTC
Perijove (PJ28): 21-MAY-2000 (D142) 04:53:54 UTC

G28 North Trajectory Pole View

NIMS - FEL - 06/19/01

NIMS G28 DATA RETURN

Activity ID	Observation Title	NIMS Edit Table	NIMS PB Table	Mode	Gain	Grating	Grating	Grating	Record	PSID
						Start	Offset	Format		
27INICHAC01-		I27ILM442	G28ILM144 Comp	LM	2	0	0	0	MPW	
27INMOSAIC01-		I27ILM442	G28ILM144 Comp	LM	2	0	0	0	MPW	
27INPROMTH01-		I27ILM442	G28ILM360	LM	2	0	0	0	MPW	
27INTOHL 01+		I27ILM442	G28ILM360	LM	2	0	0	0	MPW	
27INPROMTH02+		I27ILM442	G28ILM360	LM	2	0	0	0	MPW	
27INCAMAXT01+		I27ILM442	G28ILM360	LM	2	0	0	0	MPW	
27INCAMAXT01-		I27ILM442	G28ILM360	LM	2	0	0	0	MPW	
27INAMRANI01-		I27ILM442	G28ILM360	LM	2	0	0	0	MPW	
28GNCALDRA01+		G28GLM442	G28GLM360		2					
28GNFEATRE01	Ganymede Hi-Res Feature	G28GLM442	G28GLM360	LM	2	0	0	4	MPW	
28GNSMOOTH02+		G28GLM442	G28GLM360		2					
28GNBRTDRK02+		G28GLM442	G28GLM360		2					
28GNNICHOLO2+		G28GLM442	G28GLM360		2					
28GNARBELA02+		G28GLM442	G28GLM360		2					
28GNLMSCAN01	Ganymede Limb Scan	G28GLM442	G28GLM360	LM	4	0	0	4	MPW	
28GNGLOBAL01	Ganymede Global Composition Map	G28GLM442	G28GLM360	LM	2	0	0	4	MPW	
28ENECLPGE01	Europa Eclipse Obs	G28ELM442	G28ELM360	LM	4	0	0	4	MPW	
28JNNEBRLT01	Jupiter NEB R/T OBS	G28JLM442	R/T	LM	2	0	0	4	R/T	
28JNNTZRLT01	Jupiter NTZ R/T OBS	G28JLM442	R/T	LM	2	0	0	4	R/T	
28JNNEBRLT02	Jupiter NEB R/T OBS	G28JLM442	R/T	LM	2	0	0	4	R/T	
28JNNTZRLT02	Jupiter NTZ R/T OBS	G28JLM442	R/T	LM	2	0	0	4	R/T	
28JNNEBRLT03	Jupiter NEB R/T OBS	G28JLM442	R/T	LM	2	0	0	4	R/T	
28JNNTZRLT03	Jupiter NTZ R/T OBS	G28JLM442	R/T	LM	2	0	0	4	R/T	
28JNEQBLGE01	Jupiter Equatorial Bulge	G28JLM442	R/T	LM	2	0	0	4	R/T	
28JNEQBLGE02	Jupiter Equatorial Bulge	G28JLM442	R/T	LM	2	0	0	4	R/T	
28JNEQBLGE03	Jupiter Equatorial Bulge	G28JLM442	R/T	LM	2	0	0	4	R/T	
28JNEQBLGE04	Jupiter Equatorial Bulge	G28JLM442	R/T	LM	2	0	0	4	R/T	
28JNEQBLGE05	Jupiter Equatorial Bulge	G28JLM442	R/T	LM	2	0	0	4	R/T	
28JNAURORA02	Jupiter Northern Aurora Mapping	G28JLM442	G28JLM360	LM	2	0	0	4	MPW	
28JNAURORA04	Jupiter Northern Aurora Mapping	G28JLM442	G28JLM360	LM	2	0	0	4	MPW	
28JNAURORA05	Jupiter Northern Aurora Mapping	G28JLM442	G28JLM360	LM	2	0	0	4	MPW	
28JNFATR01+		G28JLM442	G28JLM360		2					
28JNGLOBAL02	Jupiter Global Observation	G28JGM17A	G28JXM15	XM	2	0	0	4	MPW	
28JNFATR02+		G28JLM442	G28JLM360		2					

NIMS G28 DATA RETURN

Activity ID	Observation Title	NIMS Edit Table	NIMS PB Table	Mode	Gain	Grating	Grating	Start	Offset	Record	PSID
28JNAUORA08	Jupiter Northern Aurora Mapping	G28JLM442	G28JLM360	LM	2	0	4	0	4	MPW	
28JNFATR03+		G28JLM442	G28JXM15_NGM		2						
28JNFATR03+		G28JLM442	G28JXM15_NGM		2						
28JNAUORA09	Jupiter Northern Aurora Mapping	G28JLM442	G28JLM360	LM	2	0	4	0	4	MPW	
28JNEQBLGE06	Jupiter Equatorial Bulge	G28JLM442	R/T	LM	2	0	4	0	4	R/T	
28JNEQBLGE07	Jupiter Equatorial Bulge	G28JLM442	R/T	LM	2	0	4	0	4	R/T	
28JNEQBLGE08	Jupiter Equatorial Bulge	G28JLM442	R/T	LM	2	0	4	0	4	R/T	
28JNEQBLGE09	Jupiter Equatorial Bulge	G28JLM442	R/T	LM	2	0	4	0	4	R/T	
28JNEQBLGE10	Jupiter Equatorial Bulge	G28JLM442	R/T	LM	2	0	4	0	4	R/T	
28NNRCTRLT01-	RCT Calibration	G28RCT252	R/T	LM	1	0	4	0	4	R/T	
28NNROPAL01	NIMS OPCAL	G28OPCAL48	R/T	LM	4	0	4	0	4	R/T	
28NNPCTRLT01-	PCT Calibration	G28PCT252	R/T	LM	4	0	4	0	4	R/T	
27INPROMTH01+		I27ILM442	G28ILM144Comp		2						
27INMOSAIC01-gf		I27ILM442	G28ILM144Comp		2						
27INMOSAIC01-		I27ILM442	G28ILM288		2						
27INMOSAIC01-gf		I27ILM442	G28ILM144Comp		2						
27INPROMTH01-gf		I27ILM442	G28ILM360		2						
27INCAMAXT01+gf		I27ILM442	G28ILM360		2						
27INAMRANI01-gf		I27ILM442	G28ILM360		2						
28GNFATR01-gf	Ganymede Hi-Res Feature	G28GLM442	G28GLM360	LM	2	0	4	0	4	MPW	
28GNLMSCAN01	Ganymede Limb Scan	G28GLM442	G28GLM360	LM	4	0	4	0	4	MPW	
28GNPERRIN01	Ganymede Perrine Region	G28GLM442	G28GLM360	LM	2	0	4	0	4	MPW	
28GNGLOBAL01-gf	Ganymede Global Composition Map	G28GLM442	G28GLM360	LM	2	0	4	0	4	MPW	
28GNGLOBAL01	Ganymede Global Composition Map	G28GLM442	G28GLM360	LM	2	0	4	0	4	MPW	
28ENECLPSE01-gf	Europa Eclipse Obs	G28ELM442	G28ELM360	LM	4	0	4	0	4	MPW	
28JNAUORA01	Jupiter Northern Aurora Mapping	G28JLM442	G28JLM360	LM	2	0	4	0	4	MPW	
28JNAUORA02-gf	Jupiter Northern Aurora Mapping	G28JLM442	G28JLM360	LM	2	0	4	0	4	MPW	
28JNAUORA03	Jupiter Northern Aurora Mapping	G28JLM442	G28JLM360	LM	2	0	4	0	4	MPW	
28JNAUORA04-gf	Jupiter Northern Aurora Mapping	G28JLM442	G28JLM360	LM	2	0	4	0	4	MPW	
28JNGLOBAL01	Jupiter Global Observation	G28JGM17A	G28JXM15	XM	2	0	4	0	4	MPW	
28JNAUORA05-gf	Jupiter Northern Aurora Mapping	G28JLM442	G28JLM360	LM	2	0	4	0	4	MPW	
28JNAUORA06	Jupiter Northern Aurora Mapping	G28JLM442	G28JLM360	LM	2	0	4	0	4	MPW	
28JNFATR01+gf		G28JLM442	G28JLM360		2						

NIMS G28 DATA RETURN

Activity ID	Observation Title	NIMS Edit Table	NIMS PB Table	Mode	Gain	Grating	Grating	Grating	Record	PSID
						Start	Offset	Format		
28JNAURORA07	Jupiter Northern Aurora Mapping	G28JLM442	G28JLM360	LM	2	0	4	MPW		
28JNFEATRK02+gf		G28JLM442	G28JLM360		2					
28JNAURORA08-gf	Jupiter Northern Aurora Mapping	G28JLM442	G28JLM360	LM	2	0	4	MPW		
28JNFEATRK03+gf		G28JLM442	G28JXM15 NGM		2					
28JNGLOBAL03	Jupiter Global Observation	G28JGM17A	G28JXM15	XM	2	0	4	MPW		
28JNAURORA10	Jupiter Northern Aurora Mapping	G28JLM442	G28JLM360	LM	2	0	4	MPW		
27INMOSAIC01-gf		I27ILM442	G28ILM144 Comp		2					
28GNLMSCAN01-gf	Ganymede Limb Scan	G28GLM442	G28GLM360	LM	4	0	4	MPW		
28GNGLOBAL01-gf	Ganymede Global Composition Map	G28GLM442	G28GLM360	LM	2	0	4	MPW		
28JNAURORA04-gf	Jupiter Northern Aurora Mapping	G28JLM442	G28JLM360	LM	2	0	4	MPW		
28JNGLOBAL01-gf	Jupiter Global Observation	G28JGM17A	G28JXM15	XM	2	0	4	MPW		
28JNAURORA07-gf	Jupiter Northern Aurora Mapping	G28JLM442	G28JLM360	LM	2	0	4	MPW		
28JNAURORA10-gf	Jupiter Northern Aurora Mapping	G28JLM442	G28JLM360	LM	2	0	4	MPW		
gf = gap fill										
(+) = ridealong with SSI										

NIMS G28 DATA RETURN

Activity ID	Mode	Record Format	Wave-lengths Returned	Record Time (sec)	Playback		Selected Bits to Tape	Bits to Tape (sec)	Tape BOT(Mbit)	Bits to Mode Cycle (sec)	AACs Mbits c 2.5	Comp (w/4% ohead)	Total BTG Mbits	Data Reduct. Factor (sBOT/BTG)	Pass
					Time (sec)	Time (sec)									
27INCHAAC01-	LM	MPW	144	122	117	1.35	1.41	8.667	0.01	1.29	0.313	4.30	1		
27INMOSAIC01-	LM	MPW	144	842	842	9.70	9.70	8.667	0.05	1.23	2.366	4.10	1		
27INPROMTH01-	LM	MPW	360	573	573	6.60	6.60	8.667	0.03	1.22	4.058	1.63	1		
27ISTOHIL 01+	LM	MPW	360	102	27	0.31	1.18	8.667	0.00	1.28	0.182	1.71	1		
27ISPROMTH02+	SAFE	MPW	15	102	45	0.52	1.18	0.333	0.00	1.30	0.324	1.60	1		
27ISCAMAXT01+	LM	MPW	360	102	100	1.15	1.18	8.667	0.01	1.24	0.697	1.65	1		
27INCAMAXT01-	LM	MPW	360	120	116	1.34	1.38	8.667	0.01	1.20	0.835	1.60	1		
27INAMRANI01-	LM	MPW	360	1120	1120	12.90	12.90	8.667	0.06	1.18	8.200	1.57	1		
28GSCALDRA01+	SAFE	MPW	15	102	28	0.32	1.18	0.333	0.00	3.03	0.087	3.73	1		
28GNFEATRE01	LM	MPW	360	484	483	5.56	5.58	8.667	0.03	2.36	1.768	3.15	1		
28GSSMOOTH02+	LM	MPW	360	102	10	0.12	1.18	8.667	0.00	2.54	0.034	3.39	1		
28GSBTRDK02+	LM	MPW	360	102	10	0.12	1.18	8.667	0.00	2.64	0.033	3.52	1		
28GSNI CHOL02+	LM	MPW	360	102	10	0.12	1.18	8.667	0.00	2.57	0.034	3.43	1		
28GSARBELA02+	LM	MPW	360	102	44	0.51	1.18	8.667	0.00	2.41	0.158	3.21	1		
28GNLMBSCN01	LM	MPW	360	720	360	4.15	8.29	8.667	0.02	2.27	1.370	3.03	1,2		
28GNGLOBAL01	LM	MPW	360	720	360	4.15	8.29	8.667	0.02	1.82	1.709	2.43	1,2		
28NECLPSE01	LM	MPW	360	63	60	0.69	0.73	8.667	0.00	1.34	0.387	1.79	1		
28JNNEBRLT01	LM	RT	360	480	480	0.00	0.00	8.667	0.03						
28JNNTZRLT01	LM	RT	360	420	420	0.00	0.00	8.667	0.02						
28JNNEBRLT02	LM	RT	360	480	480	0.00	0.00	8.667	0.03						
28JNNTZRLT02	LM	RT	360	420	420	0.00	0.00	8.667	0.02						
28JNNEBRLT03	LM	RT	360	480	480	0.00	0.00	8.667	0.03						
28JNNTZRLT03	LM	RT	360	420	420	0.00	0.00	8.667	0.02						
28JNEQBLGE01	LM	RT	360	300	300	0.00	0.00	8.667	0.02						
28JNEQBLGE02	LM	RT	360	300	300	0.00	0.00	8.667	0.02						
28JNEQBLGE03	LM	RT	360	300	300	0.00	0.00	8.667	0.02						
28JNEQBLGE04	LM	RT	360	300	300	0.00	0.00	8.667	0.02						
28JNEQBLGE05	LM	RT	360	300	300	0.00	0.00	8.667	0.02						
28JNAUFORA02	LM	MPW	360	160	157	1.81	1.84	8.667	0.01	1.10	1.233	1.47	1		
28JNAUFORA04	LM	MPW	360	160	157	1.81	1.84	8.667	0.01	2.19	0.619	2.92	1		
28JNAUFORA05	LM	MPW	360	160	157	1.81	1.84	8.667	0.01	2.25	0.603	3.00	1		
28JSFEATR01+	LM	MPW	360	102	219	2.52	1.18	8.667	0.01	2.27	0.834	3.03	1		
28JNGLOBAL02	XM	MPW	15	343	340	3.92	3.95	0.333	0.02	2.52	1.264	3.10	1		
28JSFEATR02+	LM	MPW	360	357	355	4.09	4.11	8.667	0.02	2.41	1.273	3.21	1		

NIMS G28 DATA RETURN

Activity ID	Mode	Record Format	Wave-lengths Returned	Record Time (sec)	Playback		Selected Bits to Tape	Bits to Tape (MBITS)	Tape BOT(Mbit)	Bits to Mode Cycle (sec)	AACs Mbits c 2.5	Comp (w/4% ahead)	Total BTG Mbits	Data Reduct. Factor (sBOT/BTG)	Pass
					Time (sec)	Time (sec)									
28JNAURORA08	LM	MPW	360	160	157	1.81	1.84	8.667	0.01	2.21	0.614	2.95	1		
28JSFEATRK03+	XS	MPW	15	357	173	1.99	4.11	0.1667	0.01	3.37	0.961	2.07	1		
28JSFEATRK03+	XM	MPW	15	357	182	2.10	4.11	0.333	0.01	2.63	0.648	3.23	1		
28JNAURORA09	LM	MPW	360	160	157	1.81	1.84	8.667	0.01	2.21	0.614	2.95	1		
28JNEQBLGE06	LM	RT	360	300	300	0.00	0.00	8.667	0.02						
28JNEQBLGE07	LM	RT	360	300	300	0.00	0.00	8.667	0.02						
28JNEQBLGE08	LM	RT	360	300	300	0.00	0.00	8.667	0.02						
28JNEQBLGE09	LM	RT	360	300	300	0.00	0.00	8.667	0.02						
28JNEQBLGE10	LM	RT	360	300	300	0.00	0.00	8.667	0.02						
28NNRCTRLT01	LM	RT	252					8.667							
28NNPCTRLT01	LM	RT	48					8.667							
28NNPCTRLT01	LM	RT	252					8.667							
27ISPROMTH02+	LM	MPW	144	67	33	0.38	0.77	8.667	0.00	1.30	0.088	4.33	2		
27INMOSAIC01-	LM	MPW	144	842	45	0.52	9.70	8.667	0.00	1.20	0.130	4.00	2		
27INMOSAIC01-	LM	MPW	288	842	93	1.07	9.70	8.667	0.01	1.20	0.536	2.00	2		
27INMOSAIC01-	LM	MPW	144	842	19	0.22	9.70	8.667	0.00	1.20	0.055	4.00	2		
27INPROMTH01-	LM	MPW	360	573	26	0.30	6.60	8.667	0.00	1.20	0.187	1.60	2		
27ISCAMAXT01+	LM	MPW	360	102	8	0.09	1.18	8.667	0.00	1.20	0.058	1.60	2		
27INAMRANI01-	LM	MPW	360	1120	179	2.06	12.90	8.667	0.01	1.18	1.311	1.57	2		
28GNFEATRE01	LM	MPW	360	484	16	0.18	5.58	8.667	0.00	2.36	0.059	3.15	2		
28GNLMBSCN01	LM	MPW	360	720	369	4.25	8.29	8.667	0.02	2.32	1.374	3.09	1,2		
28GNPERRIN01	LM	MPW	360	483	480	5.53	5.56	8.667	0.03	2.16	1.920	2.88	2		
28GNGLOBAL01	LM	MPW	360	720	10	0.12	8.29	8.667	0.00	1.83	0.047	2.44	1,2		
28GNGLOBAL01	LM	MPW	360	720	368	4.24	8.29	8.667	0.02	1.83	1.737	2.44	1,2		
28NECLPSE01	LM	MPW	360	63	7	0.08	0.73	8.667	0.00	1.34	0.045	1.79	2		
28JNAURORA01	LM	MPW	360	160	154	1.77	1.84	8.667	0.01	2.22	0.599	2.96	2		
28JNAURORA02	LM	MPW	360	160	157	1.81	1.84	8.667	0.01	2.14	0.634	2.85	2		
28JNAURORA03	LM	MPW	360	160	160	1.84	1.84	8.667	0.01	2.16	0.640	2.88	2		
28JNAURORA04	LM	MPW	360	160	157	1.81	1.84	8.667	0.01	2.31	0.587	3.08	2		
28JNGLOBAL01	XM	MPW	15	303	300	3.46	3.49	0.333	0.02	2.44	1.152	3.00	2		
28JNAURORA05	LM	MPW	360	160	10	0.12	1.84	8.667	0.00	2.25	0.038	3.00	2		
28JNAURORA06	LM	MPW	360	160	157	1.81	1.84	8.667	0.01	2.25	0.603	3.00	2		
28JSFEATRK01+	LM	MPW	360	102	18	0.21	1.18	8.667	0.00	2.27	0.069	3.03	2		

NIMS G28 DATA RETURN

Activity ID	Mode	Record Format	Wave-lengths Returned	Record Time (sec)	Playback Time (sec)	Selected Bits to Tape (MBITS)	Bits to Tape (Mbit)	Tape Cycle (sec)	Mode	AACS Mbits c 2.5	Comp	Total BTG Mbits (w/4% ohead)	Data Reduct. Factor (sBOT/BTG)	Pass
28JNAURORA07	LM	MPW	360	160	157	1.81	1.84	8.667	0.01	2.37		0.572	3.16	2
28JSFEATR02+	LM	MPW	360	357	16	0.18	4.11	8.667	0.00	2.41		0.057	3.21	2
28JNAURORA08	LM	MPW	360	160	16	0.18	1.84	8.667	0.00	2.21		0.063	2.95	2
28JSFEATR03+	XS	MPW	15	357	96	1.11	4.11	0.1667	0.01	3.37		0.533	2.07	2
28JGLOBAL03	XM	MPW	15	320	317	3.65	3.69	0.333	0.02	2.68		1.108	3.30	2
28JNAURORA10	LM	MPW	360	160	157	1.81	1.84	8.667	0.01	2.21		0.614	2.95	2
27INMOSAIC01-	LM	MPW	144	842	198	2.28	9.70	8.667	0.01	1.20		0.570	4.00	3
28GNLMBSCN01	LM	MPW	360	720	36	0.41	8.29	8.667	0.00	2.32		0.134	3.09	3
28GNGLOBAL01	LM	MPW	360	720	12	0.14	8.29	8.667	0.00	1.83		0.057	2.44	3
28JNAURORA04	LM	MPW	360	160	11	0.13	1.84	8.667	0.00	2.31		0.041	3.08	3
28JGLOBAL01	XM	MPW	15	303	17	0.20	3.49	0.333	0.00	2.44		0.065	3.00	3
28JNAURORA07	LM	MPW	360	160	10	0.12	1.84	8.667	0.00	2.37		0.036	3.16	3
28JNAURORA10	LM	MPW	360	160	10	0.12	1.84	8.667	0.00	2.21		0.039	2.95	3
46.975 Total														
51.760 Allocatation														
-4.785 Over/Under														

RECAP OF G28 PLAYBACK EVENTS

G28 encounter data return extended over four months, and was characterized by a highly unusual abundance of downlink capability. Nearly 100% of the NIMS data recorded in G28 was successfully returned, together with about 20 Mbits of I27 encounter data that was deliberately retained on the tape through the G28 encounter. Over the course of time NIMS donated a total of 55 Mbits of downlink allocation back to the Science Planning and Operations Team (SPOT); most of this was reallocated to SSI.

Spacecraft "despun bus reset" events occurred during the encounter, but onboard software handled them flawlessly. The NIMS software halted at least once during the encounter, but routine software reloads prevented the loss of any observations.

A considerable number of Jupiter observations were recorded and returned, among them a very successful series of auroral observations.

The following timeline details the most significant events of the G28 playback period. Most of the text below is excerpted from messages issued at the time.

G28 Playback Events Timeline (02-01-00 to 05-05-00)

- 01-19-00: (A. McEwen to M. Belton) I would like to initiate a discussion within the SSI team about our position with respect to how much G28 data we *want* to record. The bulk of the I27 data will remain on tape by G28, if all is successfully recorded. Based on the success of E26 and the project's understanding of safing events in 24-25, it seems like there is a good chance all of the I27 data will be recorded. We expect to be able to play back only ~25% of the I27 data before G28. Obviously this data will be highly unique--we may not get back to Io in any of our lifetimes. The G28 Ganymede data will also be unique, although only 2 tracks of data are possible at better-than-Voyager resolution. It seems to me that the best solution would be to reduce the G28 recording to something like 2.5 tracks and leave 1.5 tracks from I27.
- 02-04-00: (D. Bindschadler) On Wednesday, 2/9, 9:30-10:30 am, we will have a meeting in the SWAMP to discuss changes proposed to G28A plans in order to support carryover of I27 data.

G28 Playback Events Timeline (02-01-00 to 05-05-00)

- 02-09-00: (D. Bindschadler) Proposed Revisions to G28
The SSI proposal is to record only 3 tracks of data during the G28 encounter period (approximately DOY 140 through 165), allowing Track 4 of the I27 record sequence (the post C/A track) to be carried over into G28. The primary rationale for this change is the science value of the I27 SSI and NIMS data, coupled with the relatively small amount of bits to ground (~88 MBTG) available for all I27 playback.
- 05-17-00: Start of G28 encounter sequence.
- 05-19-00: (J. Erickson) In the last two weeks, the spacecraft came through solar conjunction, with the first telemetry received 5/13 as expected. Some data is still being lost due to solar scintillation as the SEC angle is still under 9 degrees. The G28A sequence has begun executing. G28 is a more extended encounter than recent orbits. Remote sensing observations begin on Saturday, 5/20 (PDT) and continue until Wednesday, 5/24. The Fields and Particles survey will continue through June 13th, allowing them to collect nearly 4 weeks of continuous RTS data as Galileo moves from the inner magnetosphere, through the magnetopause and bowshock and into the solar wind. Playback of recorded data initiates on June 15, local time.
- 05-20-00: Ganymede close approach occurs at 10:11:42 UTC.
- 05-21-00: Perijove occurs at 04:53:55 UTC.
- 05-21-00: (R. Mehlman) No sign of NIMS Jupiter realtime packets yet, though our first observation (JNNEBRLT01) should have occurred 9 hours ago. (It may have gone to tape via BDT.) No new SCLKs. However a hardware status word transmitted 5 hours after Jupiter closest approach and 2 hours before JNNEBRLT01 shows a peculiar value value (x18), probably due to a reported bus reset 2 hours before closest approach. According to the MCT summary: A bus reset was experienced on the spacecraft, SCET for the event was 142/02:45:19.3z. The spacecraft handled it as programmed and no impact to the encounter activities has occurred.
- 05-22-00: (J. Erickson) The Galileo spacecraft is operating normally, and all activities appear to be as planned. The current status is from the end of the DSS 63 pass at 4:45 a.m. PDT on 5/22. The spacecraft has now passed the peak of the radiation expected for this encounter. Observations are continuing, primarily remote sensing of Jupiter's atmosphere, as well as fields and particles monitoring of the inner magnetosphere.
Two spurious despun bus resets occurred during the encounter. They were at 7:45 p.m. PDT on 5/20, and 9:23 a.m. PDT on 5/21. These are expected during the high radiation period, and were handled perfectly by the on-board software.

G28 Playback Events Timeline (02-01-00 to 05-05-00)

- 05-22-00: (M. Segura) I have looked at the weekend's engineering data and have determined that NIMS software did experience one crash. The first indication was at 142/05:33:38 (rim 5525582) about 40 minutes after Jupiter closest approach. The instrument stayed in the crashed state until 142/23:00:18 (rim 5526617) according to telemetry. However - there was a "reload" of the software prior to our first NEB realtime observation which executed at 142/11:10:56 (rim 5525916) and I have no reason to assume that the instrument did not fully recover at that time.
- 05-23-00: (J. Shirley) I delivered a new version of the NIMS G28 playback table today. This table selects nearly all of our recorded G28 data along with a significant amount (over 20 Mbits) of data carried over from I27.
- 05-26-00: (J. Erickson) Playback will begin 6/15/00. Playback is delayed to allow an opportunity for a cross sectional mapping of Jupiter's magnetosphere. This is important both in preparation for the dual spacecraft observations with Cassini at the end of this year, and because the spacecraft is now in the dusk region of the magnetosphere for the first time. Radiation levels were significantly below average, with no problems identified. The peak radiation level was around 300 (measured by the star scanner in pulse counts), significantly lower than the maximum of 1400 seen in previous GEM orbits.
- 05-26-00: Our wealth of downlink bits in G28 makes it possible to think new thoughts. We could go after ALL the embedded NIMS data in ALL the SSI recordings where our data exists.
- 06-01-00: NIMS allocation is 95.7 Mbits, SSI's is 125.4. The earliest time within the observation 27ISPROMTH01 where we can begin returning data is 00-053/13:51:31.800. This is 622 tics into the observation. This condition is due to G28 data recording over the first portion.
- 06-07-00: Playback will begin on the 15th of June. In this update we added commands to return NIMS data that is embedded in SSI record frames, and made some other changes. I27 carryover data: Since a portion of track 3 was not recorded over in G28, we were able to go after additional wavelengths for the observations 27INICHAAC01 and 21INMOSAIC01. We will now have 288 wavlengths for these. In addition to our track 4 observations, coming down with all detectors, we will get some SSI ridealong data that we could not return in I27 (27ISPROMTH02, 27ISTOHIL__01).

G28 Playback Events Timeline (02-01-00 to 05-05-00)

G28: The NIMS Ganymede observations were unchanged with the exception of an adjustment to the data reduction factor. We added 5 sets of commands to return SSI ridealong data for the observations: 27GSCALDRA01, 27GSSMOOTH02, 27GSBRTDRK02, 27GSNICHOL02 and 27GSARBELA02.

Five other SSI observations could not be selected due to NIMS instrument activities (reloads) or status (chopper off). No changes to the Jupiter observations were made. The Jupiter realtime observations will come down when the various buffer dump to tape recordings are played back.

We have a surplus of downlink allocation bits at present. We will hold on to a good portion of these to insure against DSN problems or other gap-creating events, and to account for compression uncertainties and the potential need for returning additional I27 observation wavelengths. I anticipate we will release some of our allocation back to other teams at some point. The next update will not occur until the second week of July.

- 06-12-00: (K. Schimmels) Playback initiates Thursday June 14 at 9:19 PM PDT. (00-166/04:19 SCET-UTC). Playback terminates at the end of the C-load, around DOY 00-300 (TBD). Playback is being done in a first-in/first-out fashion this orbit, but spans data from I27 and G28. We are starting pass 1 mid-track 3 with I27 data, and will get thru some of the early G28 data on track 1 during the B-load.
- 06-22-00: (E. Theilig) On Sunday 6/18, the spacecraft struggled for about 9 hours to maintain lock on celestial reference. It re-established lock about mid-day on Monday and remains stable. The outage may be related to an apparent drop in intensity of one of the stars but the investigation is ongoing.
Playback initiated on the spacecraft last night and the first frames have been obtained.
The first five weeks of playback contain I27 data carried over into G28. Data from the Ganymede closest approach period begin playing back sometime around July 22nd and continue into at least the first two weeks of August
- 07-22-00: (K. Schimmels) SSI Anomaly Status: On 7/19, the Baseline Correction Stabilization Voltage measurement on the SSI camera went into alarm. At roughly the same time the camera began drawing approximately one-watt additional power. Memory readouts of other SSI engineering measurements reveal no other indications of problems. The Baseline measurement is used to adjust processing of images from the camera. No change was expected in this measurement during this cruise period.

G28 Playback Events Timeline (02-01-00 to 05-05-00)

Since the initial anomaly was detected, the readings on the voltage channels appear to be toggling between normal and anomalous readings. Several possibilities exist for the cause, including either bad measurement circuitry (for measuring the voltage), or bad circuitry elsewhere in the system. The effect is a change to the background level in the images.

- 07-31-00: (K. Schimmels) We've had a 31 MB increase in BTG released to the teams!! So, here's your new allocations:
NIMS 106.708
- 08-09-00: A large number of additions and a small number of corrections were made to the G28 playback table in this update. Much of the following documents relatively subtle tweaks made. This table is comparable in size and complexity to those of the main mission. The executive summary for today's delivery is that we added lots of commands to fill gaps in our pass 1 playback of the I27 data carried over into G28. At this level, it should also be noted that we are about 1/3 of the way through G28, measured by bits received. We have a very large cushion of downlink bits in our allocation. Blow-by-blow descriptions follow:
27INPROMTH01+: We obtained 144 wavelengths for this ridealong observation in I27. In pass 2 we are going after another 144 ("complementary") wavelengths. HOWEVER, we cannot access the entire observation, because it was in effect partially overwritten by G28 data recording. Thus we will get 'complete' wavelengths coverage for about 2/3 of the spatial area, when the I27 and G28 datasets are merged.
27INMOSAIC01: During I27 playback of this observation we were not able to get the entire spatial area, and we received only 144 wavelengths. In pass 1 of G28 we commanded return of the entire area, with the complementary 144 wavelengths. Now for pass 2 we will get gap fills for this G28 portion, together with 'complete' (288 wavelengths) coverage for the portion we missed in I27. (It would have been logical to command only the missing 144 here, except that a large gap occurred over this data in G28 pass 1 playback. The only way to get continuous complete data over this gap is to command it all, about 1.5 RIMS).
Other gap fills: Those for 27INPROMTH01, 27INCAMAXT01, and 27INAMIRANI01 are straightforward.
Because we often reloaded the NIMS software during SSI recordings, we have ridealong data on tape for only a minority of their observations. In some cases we got partway through a reload, and took data, even though the command to shift from SAFE to LM mode had not taken effect. 27INPROMTH02+ and 28GNCALDRA01+ were obtained in SAFE mode, and 28GNFEATR03+ began recording in SAFE mode, transitioning part way through to FIXED MAP. SAFE mode is equivalent to FIXED SPECTROMETER, with no mirror motion. New wavelength tables for these cases were generated. It was too late to implement these for 27INPROMTH02+ and 28GNCALDRA01+, but 28GNFEATR03+ is commanded for return with the XM table (15 wavelengths).

G28 Playback Events Timeline (02-01-00 to 05-05-00)

Fortunately the LM table employed for the former two selects the recorded data and gets it into the downlink stream without problems. Finally, for 28GNFEATRK01+, the playback deselect was moved earlier in time to avoid a memory reload that occurred about 90% of the way into the SSI recording.

- 08-14-00: (K. Schimmels) Playback is Currently on schedule. We are playing back 28GSSMOOTH02, in Segment 3. Track 1, tic 3734 (as of 10 AM 8/14). We may continue to see a lag of up to a few days over time in this schedule due to modelling discrepancies in SSI BARC data. So far, this lag is only ~12 hours.
SSI and NIMS made adjustments to pass 2 data return, including some gap fill SINGLES. A few compression parameters were adjusted in pass 1 as well. Additional AACS was selected to complete all of NIMS requests from I27 data. All AACS is selected for NIMS in I27/G28 now.
- 08-25-00: The NIMS team has determined that we have sufficient G28 internal downlink allocation margin to allow us to release a total of 20 Megabits back to SPOT for use by other teams, effective today (08-25-2000:).
- 08-25-00: (K. Schimmels) NIMS has donated 20 MB back to SPOT for G28 Playback. The breakdown is as follows:
SSI: 18 MB, MWG: 2 MB.
- 09-03-00: (R. Mehlman) NIMS pass 1 playback for G28 appears to be finished; pass 2 doesn't begin until mid-September. We have received most packets (mainly small gaps) from requested recorded data through 28JNAURORA10. We also have buffer-dumped-to-tape packets for realtime observations through 28JNEQBLGE10, except for the observations 28JNEQBLGE02-05, which were entirely lost, presumably due to station problems.
- 09-05-00: G28 playback accelerated significantly over the weekend to the point where we are now about 5 days ahead of schedule.
- 09-05-00: (R. Mehlman) We now have:
28JNNEBRLT01-03: OK
28JNNTZRLT01-03: OK
JNEQBLGE01: OK
JNEQBLGE02: first 12 packets (3 RIMs) OK. Five packets missing, final three packets received. As it turns out, only the first three RIMs will be usable; we can't easily decipher incomplete sets of 4 packets (one RIM).
JNEQBLGE03: Only first packet received. Not very useful.

G28 Playback Events Timeline (02-01-00 to 05-05-00)

JNEQBLGE04: Nothing

JNEQBLGE05: Nothing

JNEQBLGE06-10: All OK

JNEQBLGE02-05 should be replayed if possible.

- 09-06-00: (K. Schimmels) If anyone is going to want to replay buffer dumps, please let me know so we can start tracking down the right ones (which I think is what your intentions were here...)
- 09-07-00: (K. Schimmels) We DID in fact have several gaps in buffer dump playback around those times, the software we use to track it had an idiosyncrasy in it for buffer dump gaps. So, I will track down which ones need to be replayed to recover all missing data.
- 09-08-00: (K. Schimmels) Here's your newest allocations based on some re-work of traded bits, DDS Realtime activities, and costs of the first opnav test. SSI, 157.849, NIMS 86.760.
- 09-13-00: The first pass over the tape has been completed, and we are well into the second pass over the I27 data. A considerable number of changes were made this week, to fill numerous gaps and refine our estimates of compressions for the remaining data. During orbit development we employed highly conservative compression estimates for Ganymede. Since we have a wealth of downlink allocation this orbit, the initial estimates were not revised until now. It turned out that in many cases, actual compression was twice as good as predicted. This led to an acceleration of playback, relative to the schedule, putting us several days ahead. Ten new sets of playback commands were generated this time. DSN performance has not been as good as one might hope over the past several weeks. We lost essentially all of our 28JNAURORA02 and 28JNAURORA04, and a considerable portion of 28JNFEATR03+ (SSI ridealong). In addition, two BDTs (buffer dump to tape) containing NIMS realtime data were not received and will have to be replayed. The cost of doing this is yet to be determined. The cost of doing this will not be an issue since due to our overcompression we still have on the order of 40 Mbits of allocation as margin. We previously released 20 Mbits of downlink allocation back to the SPOT team, where it was divided between SSI and the MAG team. We will be releasing another substantial block of allocation as soon as we get a handle on the costs of BDTs and other data not presently in the playback plan. I made one significant error in the specification of playback times for 27INMOSAIC01. As a result we did not receive about 3 RIMS of complementary wavelengths needed to complete playback of that observation. We will request a third tape pass to retrieve this. It is likely that SSI will be able to make good use of a third pass also.

G28 Playback Events Timeline (02-01-00 to 05-05-00)

- 09-20-00: The newest playback table has three new sets of playback singles, which will bring down gap-filling data for 27INMOSAIC01. A third pass over the tape is being allowed this time to make the best use of the abundant downlink resource. Due to good compression of our Ganymede data and other factors we were able to release 30 Mbits of surplus downlink allocation back to the SPOT team. Almost all of this will go to SSI. We retain about 10 Mb of cushion to adapt to future gaps in data received.
- 09-21-00: (K. Schimmels) Playback is currently on schedule. We are playing back the very end of 27ISCAMAXT01 in Segment 12. Track 4, tic 1942 (as of 6 AM 9/21). Playback is currently 61% complete. NIMS released 30 MB of their allocation this week, 29 went to SSI and 1 went to the MWG for buffer dump gaps. A "pass 3" was approved this week. NIMS allocation: 56.260
- 09-28-00: (K. Schimmels) Due to moving Terminate playback prior to the DOY 299 DMS conditioning, we lost ~2.26 MB of capability. This loss will be reflected in next week's allocations.
- 10-03-00: (M. Segura) We have determined that NIMS can make a final release of 5 mbits of our playback allocation. The rest will be held in reserve for pass 2 gap fill.
- 10-06-00: (K. Schimmels) Playback is currently running about half a day behind schedule. We are playing back 28JNAURORA03 in Segment 18. Playback is currently 77% complete, and will terminate on 00-299/21:57 (10/25/00, ~3 PM). Current Margin: 5.0 MB (already all used by inefficiency costs).
- 10-11-00: Today's is the final update for G28. We are including 8 new sets of singles to fill gaps in our pass 2 Ganymede and Jupiter data. The gaps turned out to be fairly small, amounting to about .5 Mbits total. We are requesting that one buffer-dump-to-tape be replayed in hopes of recovering a missing RIM of data for 28JNEQBLGE03. Having released all but about 5 Mbits of our internal margin previously, we are fairly confident that all of our data requested will be returned. The excess will cover the losses incurred during long tape slews in which no data is retrieved. SSI has one observation that follows our last one, and thus in a sense their allocation assigned to that observation provides added insurance for us.
- 12-08-00: (K. Schimmels) Below is the approval information for the G28D playback table update, G28PED. This playback table is for playing back the Buffer Dumps recorded in G28D, and does NOT include any playback data for I27 or G28A recorded data. Playback will Terminate on 12/24/00 at ~10:30 PM PST.

NIMS Anomaly Report - G28 Sequence

The NIMS grating became stuck prior to the I24 encounter. The grating continued to be stuck for the G28 encounter. This development caused a drastic change in NIMS operations. Detectors 1, 2 and 7 now have very low sensitivity. Detectors 3 and 8 are still not functioning. NIMS now returns only 12 useful wavelengths.

The NIMS processor halted twice during the G28 Encounter. No NIMS observations were lost due to these halts.

The spacecraft did not safe during the G28 Encounter but did suffer two Bus Resets which precipitated the two NIMS halts.

Stuck Grating (from the I24 NIMS Guide)

At I24, NIMS experienced a fundamental change in the way that it operates. Sometime between C22 and I24, the NIMS grating became stuck at a position corresponding to a pshift of about 14.5. This unusual grating position produces wavelengths for each detector far shorter than previously used. With the stuck grating, NIMS is permanently in a "fixed grating" mode. At this new grating position, Detectors 1, 2 and 7 return very low DN, as their new wavelengths are outside of the passband of their blocking filters and therefore are of minimal use. As before, detectors 3 and 8 are still not functioning.

There is no ground calibration for the wavelengths corresponding to this pshift. Flight calibration was derived from the I24 RCT and PCT calibrations. Details of this new flight calibration will be discussed in the as yet unpublished NIMS calibration report.

The spectral capability of the NIMS instrument shrank from 408 wavelengths to 17 wavelengths with the stuck grating. Now all commanded modes, Long Map, Full Map, Short Map or Fixed Map, select the same 17 wavelengths. Two effects of the stuck grating have been put to good use: spatial editing and noise reduction.

Even though the grating is stuck, the grating cycle still plays an important role. The playback edit table can now be used for spatial data editing. In Long Map mode, each mirror scan can be selected or deselected using the playback edit table. This allows a range of spatial density versus areal coverage choices.

If an observation is performed in Long Map mode at the Long Map scan rate, the 24 mirror scans over a single grating cycle can be averaged together to increase the signal to noise level. The adverse effects of the high levels of radiation-induced noise encountered close-in to Jupiter are greatly alleviated by this averaging.

Response to Stuck Grating Anomaly (G28)

At G28 the cause of the stuck grating was not known (and is still not clearly understood). No attempts were made during G28 to unstuck the grating.

NIMS Anomaly Report - G28 Sequence

Processor Halts

There were two NIMS processor halts during G28. The halts were inferred from the occurrence of two CDS Bus Resets. In the CDS recovery process from the bus interrupts, NIMS loses RTI synch with CDS, causing NIMS to halt. Both Bus Resets occurred outside of NIMS observations. Each NIMS observation was preceded by a NIMS Software reload so that no NIMS observations were lost due to the halts.

Spacecraft Anomaly

During the G28 encounter a pair of standard bus resets occurred and were handled normally by the on-board recovery software without any effects on the planned sequence. The first occurred at about D142/02:45 and the second at about D142/16:23.

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.

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.