Chapter 5 - Detailed Observation Designs

Contents

Introduction to Chapter 5

Detailed Observation Designs

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

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

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

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

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

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

NIMS Software Reload — ACTIVITY ID: 29NNRELOAD01- — START TIME: 00-363/09:03:07.000

Activity ID: Orbit 29 Target N Inst N OAPEL RELOAD 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	12/28/00	Week	52

Start	JEE-CDS 00001091:36:2	00-363/09:03:07.000	JEE-000/18:23:31.466
End	JEE-CDS 00001089:11:2	00-363/09:05:25.000	JEE-000/18:21:13.466
Duration	00000002:25:0	000/00:02:18.000	000/00:02:18.000

Top Label 29NNRELOAD01-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	0	Report Options	BOTH	Scan Platform	No
CDS Source	OAP	Spin State	DUAL	DMS	No

Observation Objective

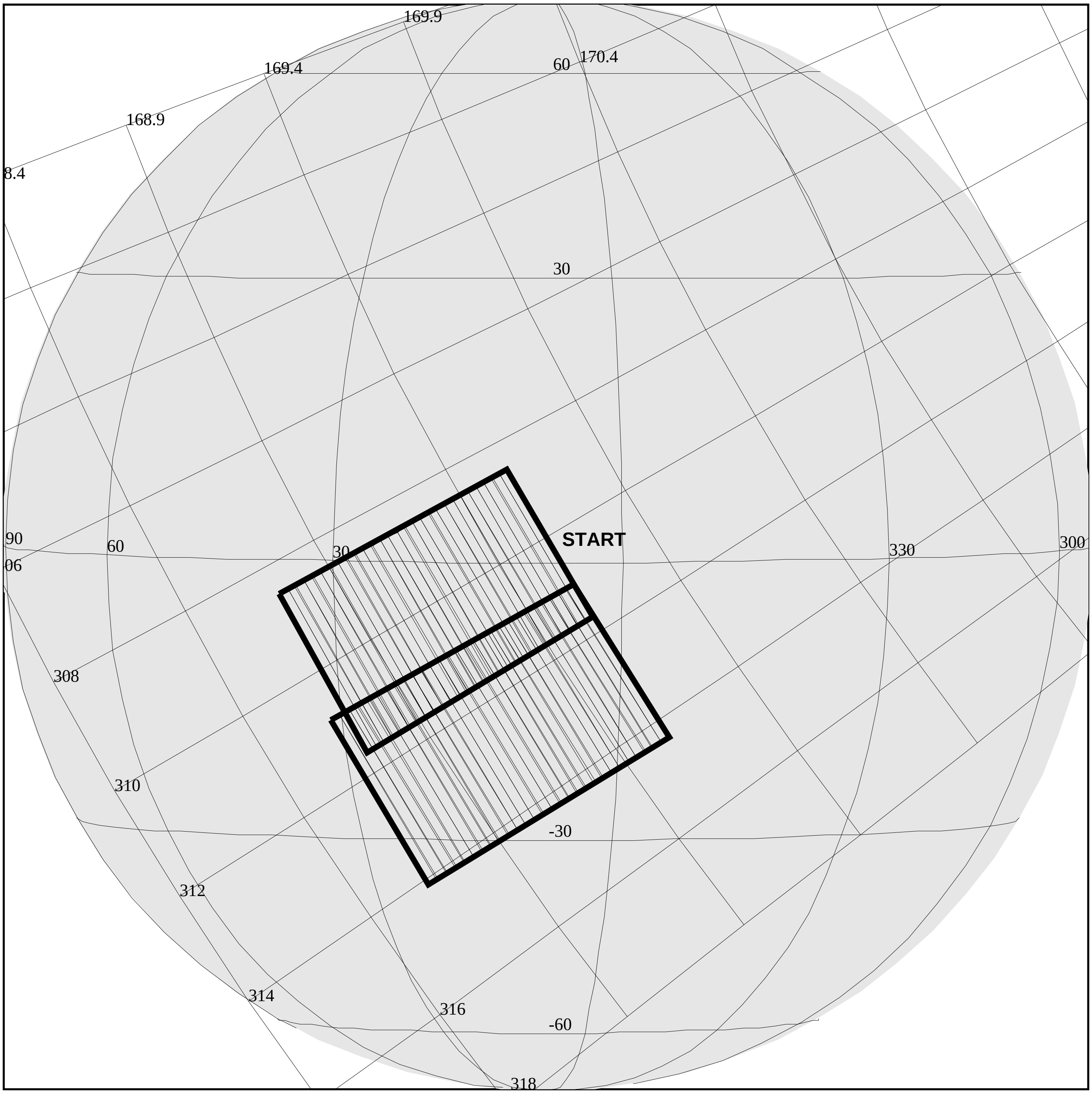
NIMS reload
Each NIMS GEM observation will have an instrument reload before the start of each observation. Each reload has its own OAPEL form, but only this first is included in the NIMSGUIDE. There are 35 NIMS reloads in G29.

29GNGLOBAL02, 29JNNEBRLT01, 29NNSTZRLT02, 29JNLIMBRT01, 29JNLIMBRT02, 29JNLIMBRT03, 29JNLIMBRT06, 29JNLIMBRT07, 29JNJUPNTZ01 do 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
6MCOPY - Copy flight software from CDS to NIMS 1000
6MCOPY - Copy flight software from CDS to NIMS 1598
37IRT - Instrument Reset
37MN - Memory Normal
37IST - Chopper Reference.



165DA:TT=   0 TMC= 1 C=   0.00 XC=   0.00 BS= 0/2565 TC= 3
A= 364 pD= 2894 SR=17.450 RA50= 64.38 DEC50= 21.73 cone=169.58 clock=310.13
117DA:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/2565
1:#s= 2 Cs= -14.10 XCs=   0.00 Cr=   14.20 XCr=   7.50 sD= 1422 rD=   50

29GNREGION01

DESIGN G3.2 yande:11/16/2000 13:12:57

FILE:P.29GNREGION01

TARGET BODY :   GANYMEDE

MINI:m.29GNREGION01

S/C EPH:/DATA/NAVIO/001024-tour.NS

PERIAPSIS:

START:GEE 00-363/08:25:05.866   +CDS 130:00:0

OBSERVATION:29GNREGION01

THINNING:NIM   2

BODY PLOT TIME:TARGET-TIME D= 2894 S= 1.000

DESCRIP:GANYMEDE_REGION_OBSERVATION

Ganymede Region Obs	ACTIVITY ID: 29GNREGION01- START TIME: 00-363/10:31:29.199

Activity ID: Orbit 29 Target G Inst N OAPEL REGION SeqNo 01 -

Title	Ganymede Region Obs			Instrument	NIMS
Requestor	NIMS-SWG/M. SEGURA	Team	NIMS	Working Group	SWG

Time System	CDS	Load ID		Calendar Date 12/28/00	Week 52

Start	GEE+CDS 00000125:00:0	00-363/10:31:29.199	GEE+000/02:06:23.333
End	GEE+CDS 00000141:00:0	00-363/10:47:39.866	GEE+000/02:22:34.000
Duration	00000016:00:0	000/00:16:10.667	000/00:16:10.667

Top Label 29GNREGION01-
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

Ganymede regional obseration. This represents the final NIMS moderate spatial resolution data set for Ganymede of the Galileo Mission. This data set will be used in conjunction and collaboration with data acquired in previous orbits by NIMS and SSI to do in-depth compositional studies.

Data Returned

Design Detail

BTG=2.09 MB, TICS=796, FMT=MPW, LM

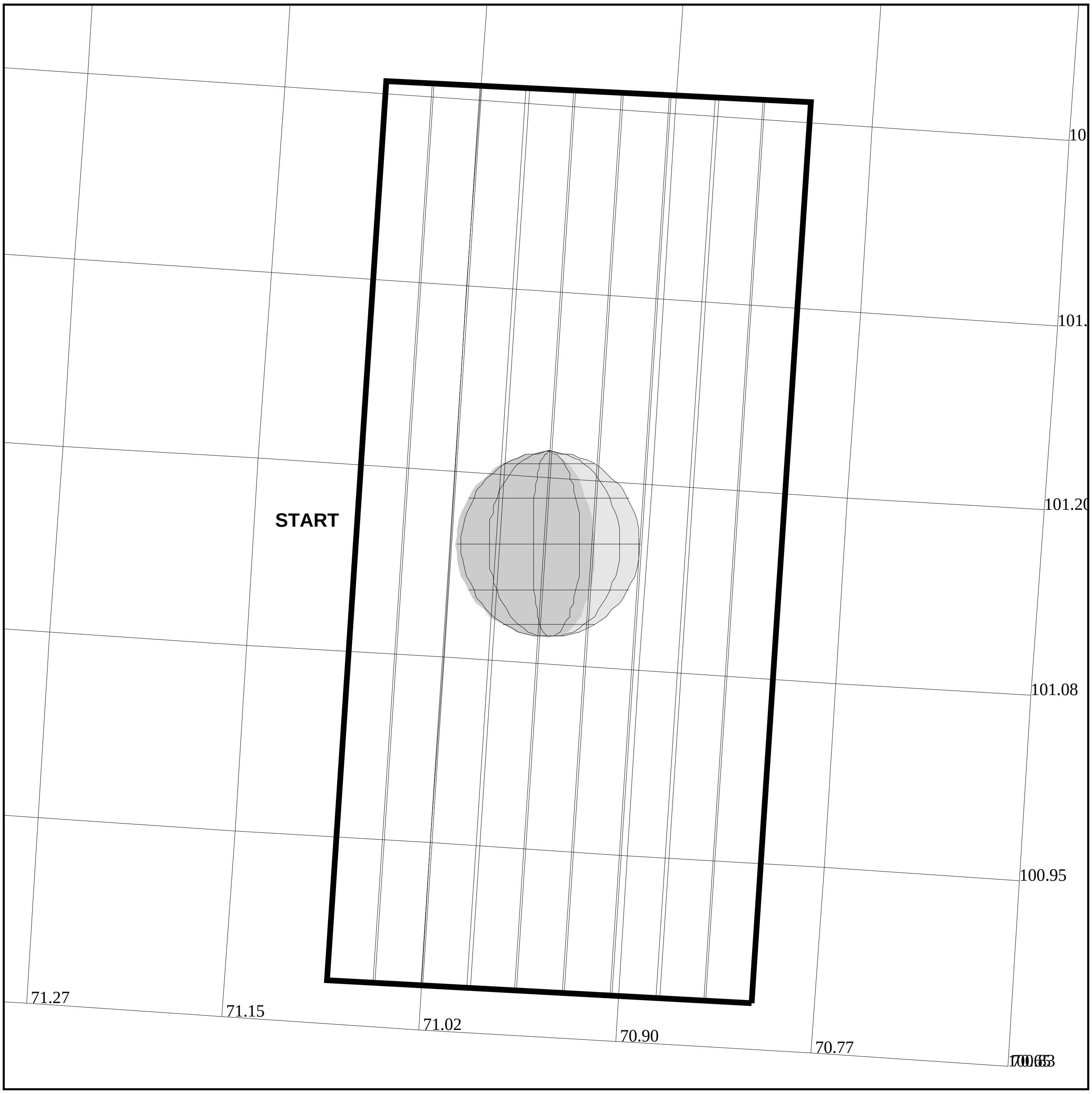
Long Map, gain state 2.

Mosaic of two swaths, roughly between +10 to -30 deg latitude and
0 to +30 degrees West longitude.

SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT

Fixed Long Map (XLM), Gain 2, Grating Start 0, MPW, GLM408, GLM288

Galileo Activity Plan Form 12/01/00 00:00:00 rev 6/95



165DB:TT= 0 TMC= 1 C= 2.00 XC= 0.00 BS= 0/6781 TC= 3
A= 728 pD= 0 SR=17.450 RA50=311.09 DEC50=-19.18 cone= 71.08 clock=101.16
117DB:#SB= 1 OR= 0.020 RR=12.000 BM=F RC= 1 BS= 0/6781
1:#s= 1 Cs= -3.00 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 464 rD= 44

29CNGLOBAL01

DESIGN G3.2 yande:11/15/2000 18:23:24

FILE:P.29CNGLOBAL01

TARGET BODY : CALLISTO

MINI:m.29CNGLOBAL01

S/C EPH:/DATA/NAVIO/001024-tour.NS

PERIAPSIS: **THINNING:NIM 2**

START:CEE 00-363/13:42:35.200 +CDS 04:00:0 **BODY PLOT TIME:TARGET-TIME D= 0 S= 0.170**

OBSERVATION:29CNGLOBAL01 **DESCRIP:CALLISTO_GLOBAL_OBSERVATION**

Callisto Global Obs	ACTIVITY ID: 29CNGLOBAL01- START TIME: 00-363/13:42:35.200

Activity ID: Orbit 29 Target C Inst N OAPEL GLOBAL SeqNo 01 -

Title	Callsito Global Obs			Instrument	NIMS
Requestor	NIMS-SWG/M. SEGURA	Team	NIMS	Working Group	SWG

Time System CDS Load ID Calendar Date 12/28/00 Week 52

Start	CEE+CDS 00000000:00:0	00-363/13:42:35.200	CEE+000/00:00:00.000
End	CEE+CDS 00000020:00:0	00-363/14:02:48.533	CEE+000/00:20:13.333
Duration	00000020:00:0	000/00:20:13.333	000/00:20:13.333

Top Label 29CNGLOBAL01-
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

This observation will allow for compositional mapping.
This Galileo view of Callisto is being done in support of the Cassini VIMS observations of Callisto planned in the same time frame.

Data Returned

Design Detail

BTG=0.61 MB, TICS=145, FMT=MPW, LM

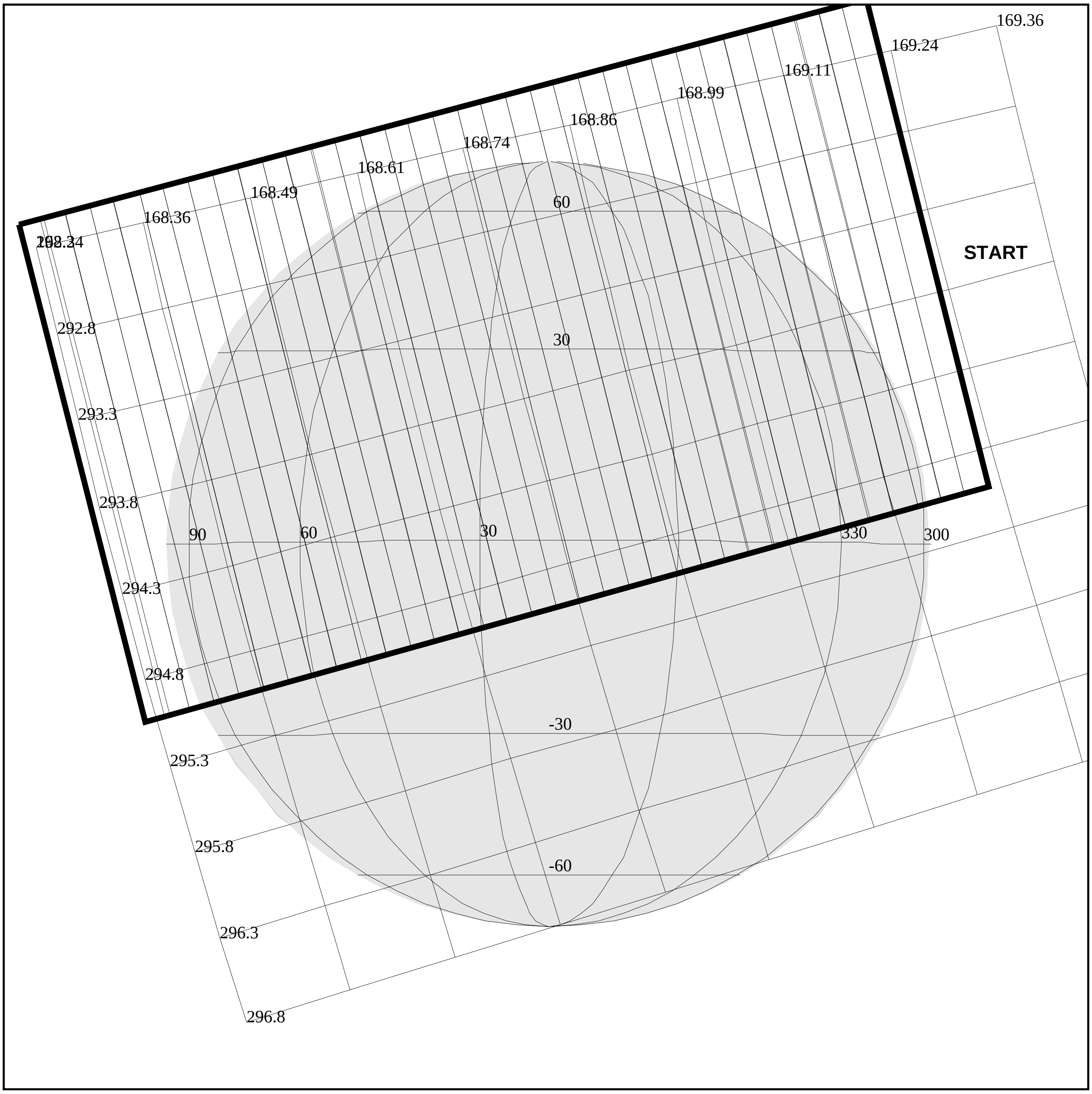
Low-resolution single swath global mosaic across the 1/3-lit disk.
Mosaic centered at 0 degrees latitude, 20 degrees West Longitude.

Booms Present.

SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT

Fixed Long Map (XLM), Gain 4, Grating Start 0, MPW, CLM408, CLM288

Galileo Activity Plan Form 12/01/00 00:00:00 rev 6/95



165DC:TT=   0 TMC= 1 C=   8.70 XC=   -4.00 BS= 0/5001 TC= 3
A= 728 pD=   0 SR=17.450 RA50= 65.47 DEC50= 24.64 cone=169.22 clock=293.49
117DC:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/5001
1:#s= 1 Cs= -17.70 XCs=   0.00 Cr=   15.50 XCr=   5.00 sD= 1792 rD=   48

29GNGLOBAL01

DESIGN G3.2 yande:11/15/2000 18:23:45

FILE:P.29GNGLOBAL01

TARGET BODY :   GANYMEDE

MINI:m.29GNGLOBAL01

S/C EPH:/DATA/NAVIO/001024-tour.NS

PERIAPSIS:

START:GEE 00-363/08:25:05.866   +CDS 528:00:0

OBSERVATION:29GNGLOBAL01

THINNING:NIM   2

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

DESCRIP:GANYMEDE_GLOBAL_OBSERVATION

Ganymede Global Obs		ACTIVITY ID:	29GNGLOBAL01-
		START TIME:	00-363/17:14:55.199

Activity ID: Orbit 29 Target G Inst N OAPEL GLOBAL SeqNo 01 -

Title	Ganymede Global Obs			Instrument	NIMS
Requestor	NIMS-SWG/M. SEGURA	Team	NIMS	Working Group	SWG

Time System CDS Load ID Calendar Date 12/28/00 Week 52

Start	GEE+CDS 00000524:00:0	00-363/17:14:55.199	GEE+000/08:49:49.333
End	GEE+CDS 00000538:00:0	00-363/17:29:04.532	GEE+000/09:03:58.666
Duration	00000014:00:0	000/00:14:09.333	000/00:14:09.333

Top Label 29GNGLOBAL01-
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

To obtain spectral map of the entire disk. This observation will be used to investigate the surface mineralogy and distribution of compositional units in a global context.

Data Returned

Design Detail

BTG=4.13 MB, TICS=147, FMT=LPU, LM

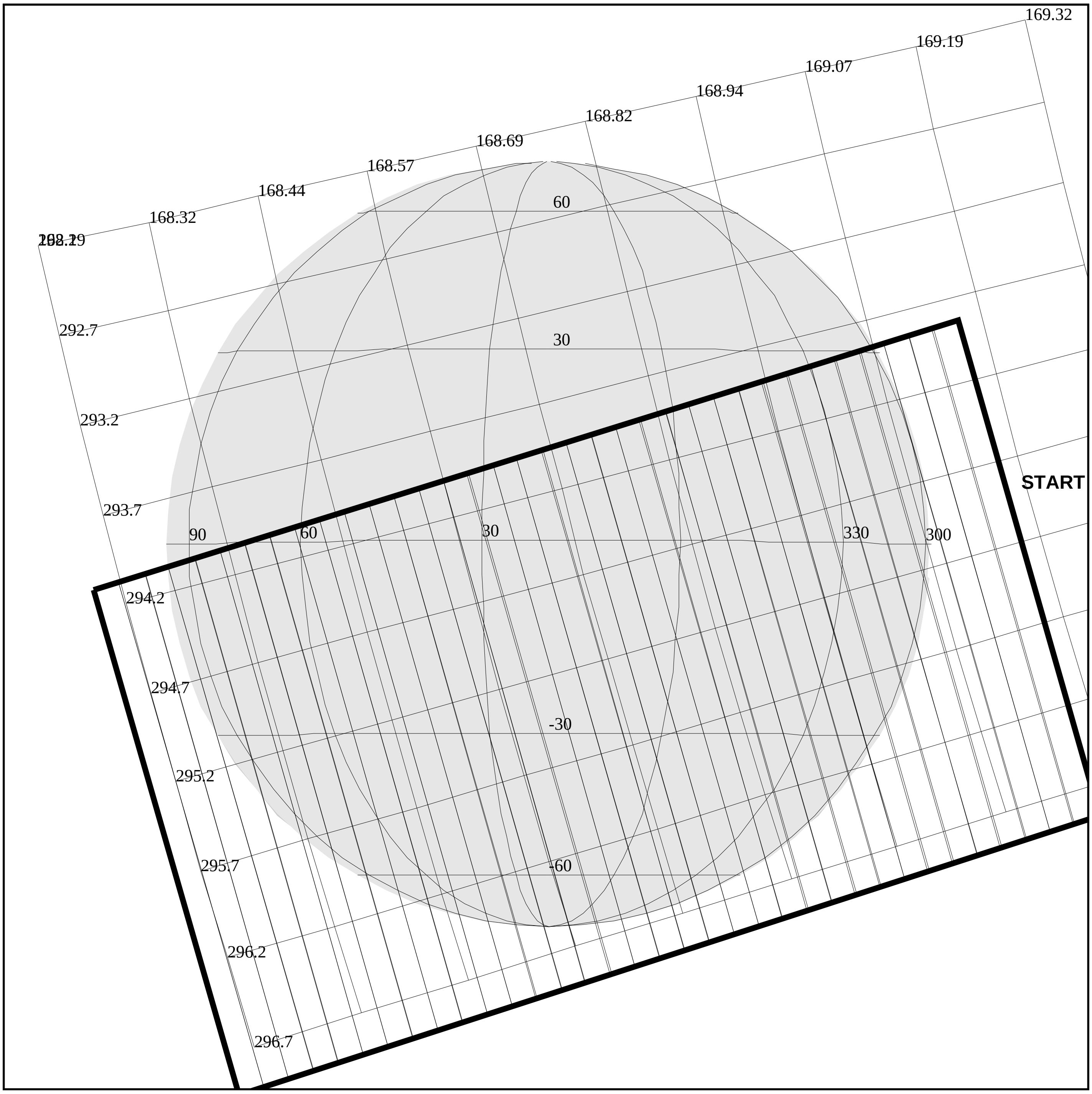
Low phase angle single swath mosaic across the Ganymede’s northern hemisphere.
Mosaic covers -30 to +90 degrees latitude and
290 to 110 degress West longitude.

Target centered at -2 degrees latitude, 20 degrees West longitude

To be merged with 29GNGLOBAL02 to form a whole-disk mosaic.
Mosaic split into two parts to avoid cone pole problems.

SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT

Fixed Long Map (XLM), Gain 2, Grating Start 0, LPU, GLM252, GLM252



165DD:TT= 0 TMC= 1 C= 8.70 XC= 3.00 BS= 0/7367 TC= 3
A= 546 pD= 0 SR=17.450 RA50= 65.50 DEC50= 24.28 cone=169.16 clock=295.36
117DD:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/7367
1:#s= 1 Cs= -17.80 XCs= 0.00 Cr= 17.00 XCr= 11.00 sD= 1792 rD= 80

29GNGLOBAL02

DESIGN G3.2 yande:11/15/2000 18:23:54

FILE:P.29GNGLOBAL02

TARGET BODY : GANYMEDE

MINI:m.29GNGLOBAL02

S/C EPH:/DATA/NAVIO/001024-tour.NS

PERIAPSIS: **THINNING:NIM 2**

START:GEE 00-363/08:25:05.866 +CDS 541:00:0 **BODY PLOT TIME:TARGET-TIME D= 0 S= 0.700**

OBSERVATION:29GNGLOBAL02 **DESCRIP:GANYMEDE_GLOBAL_OBSERVATION**

Ganymede Global Obs	ACTIVITY ID: 29GNGLOBAL02- START TIME: 00-363/17:29:04.532

Activity ID: Orbit 29 Target G Inst N OAPEL GLOBAL SeqNo 02 -

Title	Ganymede Global Obs			Instrument	NIMS
Requestor	NIMS-SWG/M. SEGURA	Team	NIMS	Working Group	SWG

Time System CDS Load ID Calendar Date 12/28/00 Week 52

Start	GEE+CDS 00000538:00:0	00-363/17:29:04.532	GEE+000/09:03:58.666
End	GEE+CDS 00000568:00:0	00-363/17:59:24.532	GEE+000/09:34:18.666
Duration	00000030:00:0	000/00:30:20.000	000/00:30:20.000

Top Label 29GNGLOBAL02-
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

To obtain spectral map of the entire disk. This observation will be used to investigate the surface mineralogy and distribution of compositional units in a global context.

Data Returned

Design Detail

BTG=4.13 MB, TICS=147, FMT=LPU, LM

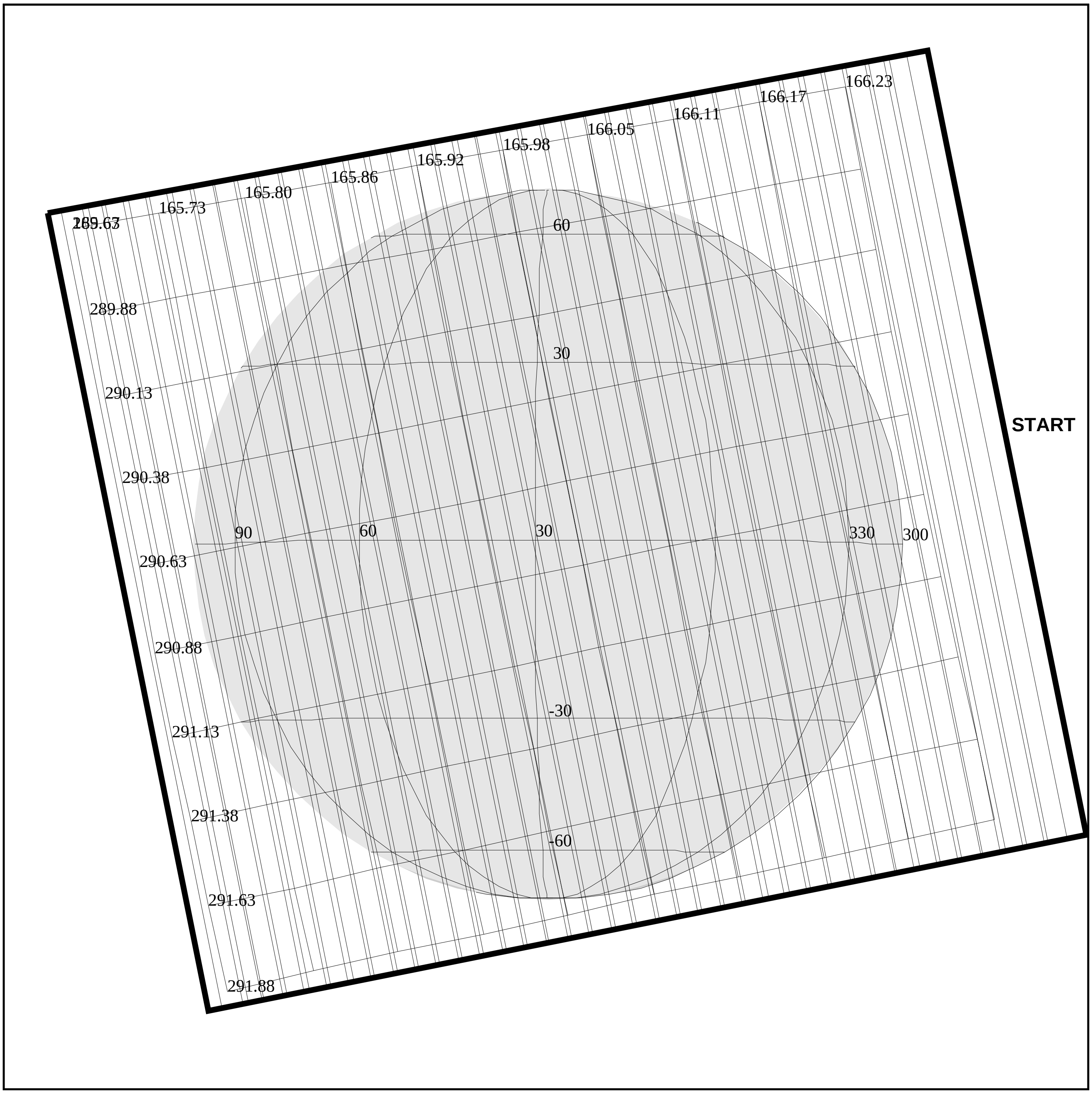
Low phase angle single swath mosaic across the Ganymede's southern hemisphere.
Mosaic covers -90 to +30 degrees latitude and
290 to 110 degress West longitude.

Target centered at -2 degrees latitude, 20 degrees West longitude

To be merged with 29GNGLOBAL01 to form a whole-disk mosaic.
Mosaic split into two parts to avoid cone pole problems.

SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT

Fixed Long Map (XLM), Gain 2, Grating Start 0, LPU, GLM252, GLM126



165DE:TT= 0 TMC= 1 C= 5.70 XC= -0.10 BS= 0/2331 TC= 3
A= 728 pD= 0 SR=17.450 RA50= 68.74 DEC50= 25.02 cone=166.29 clock=290.78
117DE:#SB= 1 OR= 0.020 RR=12.000 BM=F RC= 1 BS= 0/2331
1:#s= 1 Cs= -13.50 XCs= -0.70 Cr= 0.00 XCr= 0.00 sD= 2042 rD= 80

29GNGLOBAL03

DESIGN G3.2 yande:11/15/2000 18:24:14

FILE:P.29GNGLOBAL03

TARGET BODY : GANYMEDE

MINI:m.29GNGLOBAL03

S/C EPH:/DATA/NAVIO/001024-tour.NS

PERIAPSIS:

START:GEE 00-363/08:25:05.866 +CDS 843:00:0

OBSERVATION:29GNGLOBAL03

THINNING:NIM 2

BODY PLOT TIME:TARGET-TIME D= 0 S= 0.650

DESCRIP:GANYMEDE_GLOBAL_OBSERVATION

Ganymede Global Obs	ACTIVITY ID: 29GNGLOBAL03- START TIME: 00-363/22:33:25.199

Activity ID: Orbit 29 Target G Inst N OAPEL GLOBAL SeqNo 03 -

Title	Ganymede Global Obs			Instrument	NIMS
Requestor	NIMS-SWG/M. SEGURA	Team	NIMS	Working Group	SWG

Time System CDS Load ID Calendar Date 12/28/00 Week 52

Start	GEE+CDS 00000839:00:0	00-363/22:33:25.199	GEE+000/14:08:19.333
End	GEE+CDS 00000855:00:0	00-363/22:49:35.866	GEE+000/14:24:30.000
Duration	00000016:00:0	000/00:16:10.667	000/00:16:10.667

Top Label 29GNGLOBAL03-
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

To obtain spectral map of the entire disk. This observation will be used to investigate the surface mineralogy and distribution of compositional units in a global context.

Data Returned

Design Detail

BTG=1.44 MB, TICS=110, FMT=LPU, LM

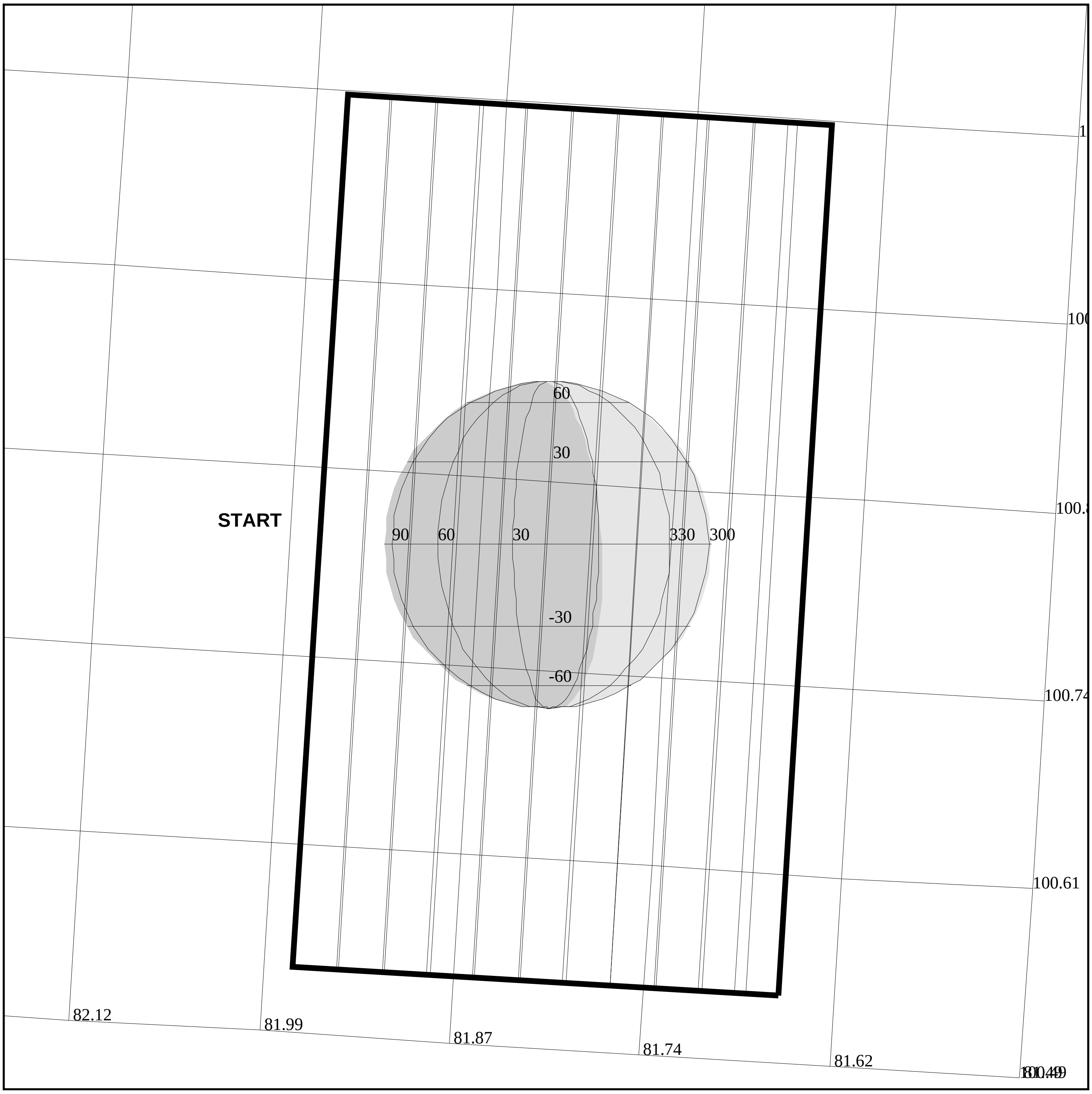
Low phase angle single swath mosaic across Ganymede’s entire disk.
Mosaic covers -90 to +90 degrees latitude and
295 to 115 degress West longitude.

Target centered at -2 degrees latitude, 25 degrees West longitude

SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT

Fixed Long Map (XLM), Gain 2, Grating Start 0, LPU, GLM252, GLM252

Galileo Activity Plan Form 12/01/00 00:00:00 rev 6/95



165DF:TT= 0 TMC= 1 C= 2.50 XC= 0.00 BS= 0/9611 TC= 3
A= 728 pD= 536 SR=17.450 RA50=321.77 DEC50=-15.35 cone= 81.96 clock=100.82
117DF:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/9611
1:#s= 1 Cs= -5.20 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 536 rD= 80

29INIWATCH01

DESIGN G3.2 yande:11/16/2000 11:14:39

FILE:P.29INIWATCH01

TARGET BODY : IO

MINI:m.29INIWATCH01

S/C EPH:/DATA/NAVIO/001024-tour.NS

PERIAPSIS:

THINNING:NIM 2

START:IEE 00-364/03:33:43.133 -CDS 253:00:0

BODY PLOT TIME:TARGET-TIME D= 536 S= 0.300

OBSERVATION:29INIWATCH01

DESCRIP:IO_MONITORING

Io Monitoring	ACTIVITY ID: 29INIWATCH01- START TIME: 00-363/23:13:51.800

Activity ID: Orbit 29 Target I Inst N OAPEL IWATCH SeqNo 01 -

Title	Io Monitoring			Instrument	NIMS
Requestor	NIMS-SWG/M. SEGURA	Team	NIMS	Working Group	SWG

Time System CDS Load ID Calendar Date 12/28/00 Week 52

Start	IEE-CDS 00000257:00:0	00-363/23:13:51.800	IEE-000/04:19:51.333
End	IEE-CDS 00000250:00:0	00-363/23:20:56.467	IEE-000/04:12:46.666
Duration	00000007:00:0	000/00:07:04.667	000/00:07:04.667

Top Label 29INIWATCH01-
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

To monitor Io’s volcanic activity.

Data Returned

Design Detail

BTG=1.09 MB, TICS=171, FMT=MPW, LM

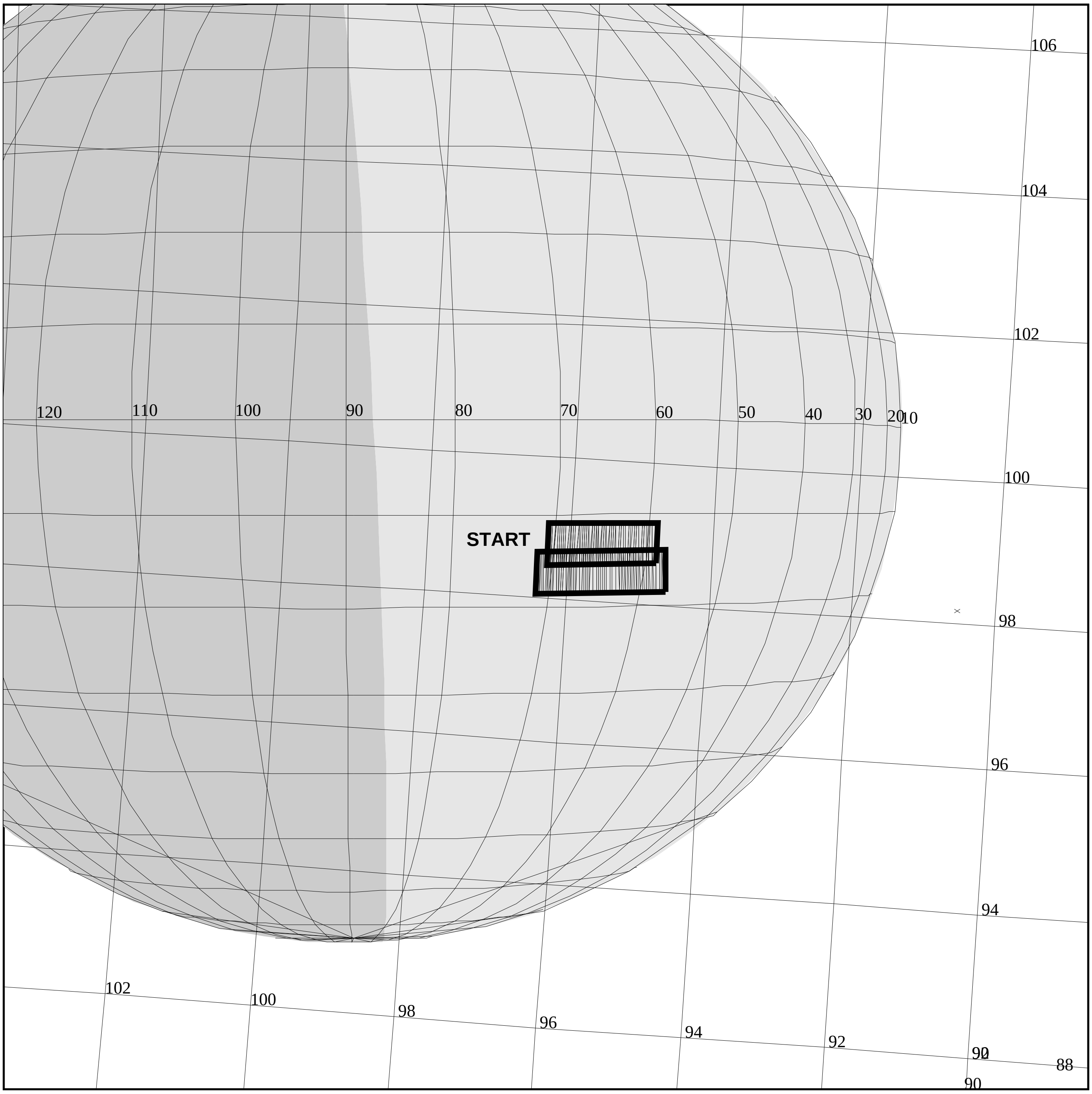
Single swath mosaic across Io’s 1/3-lit disk.
Mosaic covers -90 to +90 degrees latitude and
288 to 108 degress West longitude.

Target centered at 0 degrees latitude, 20 degrees West longitude

Booms Present.

SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT

Fixed Long Map (XLM), Gain 2, Grating Start 0, MPW, ILM408, ILM288



165DG:TT= 0 TMC= 1 C= 13.00 XC= 1.00 BS= 0/0925 TC= 1(-14 65)
A= 182 pD= 0 SR=17.450 RA50=335.97 DEC50=-11.03 cone= 96.29 clock= 98.76
117DG:#SB= 1 OR= 0.010 RR=12.000 BM=F RC= 1 BS= 0/0925
1:#s= 2 Cs= -7.75 XCs= 1.20 Cr= 27.00 XCr= -9.00 sD= 2342 rD= 36

29JNGRWAKE01

DESIGN G3.2 yande:11/16/2000 16:24:15

FILE:P.29JNGRWAKE01

CENTRAL BODY:JUPITER III

MINI:m.29JNGRWAKE01

S/C EPH:/DATA/NAVIO/001024-tour.NS

PERIAPSIS: **THINNING:NIM 2**

START:JEE 00-364/03:26:38.466 -CDS 19:00:0 **BODY PLOT TIME:TARGET-TIME D= 0 S= 1.000**

OBSERVATION:29JNGRWAKE01 **DESCRIP:JUPITER_HOT_SPOT_OBSERVATION**

Jupiter GRS Wake Obs	ACTIVITY ID: 29JNGRWAKE01- START TIME: 00-364/03:06:25.133

Activity ID: Orbit 29 Target J Inst N OAPEL GRWAKE SeqNo 01 -

Title	Jupiter GRS Wake Obs			Instrument	NIMS
Requestor	NIMS-AWG/M. SEGURA	Team	NIMS	Working Group	AWG

Time System	CDS	Load ID		Calendar Date	12/29/00	Week	52

Start	JEE-CDS 00000020:00:0	00-364/03:06:25.133	JEE-000/00:20:13.333
End	JEE-CDS 00000000:00:0	00-364/03:26:38.466	JEE-000/00:00:00.000
Duration	00000020:00:0	000/00:20:13.333	000/00:20:13.333

Top Label 29JNGRWAKE01-
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

To investigate composition and cloud dynamics of Jupiter's GRS turbulent wake region.

Data Returned

Design Detail

BTG=0.29 MB, TICS=271, FMT=LPU, LM

Two swath mosaic across the northern half of the GRS and downstream turbulent wake region, dayside.

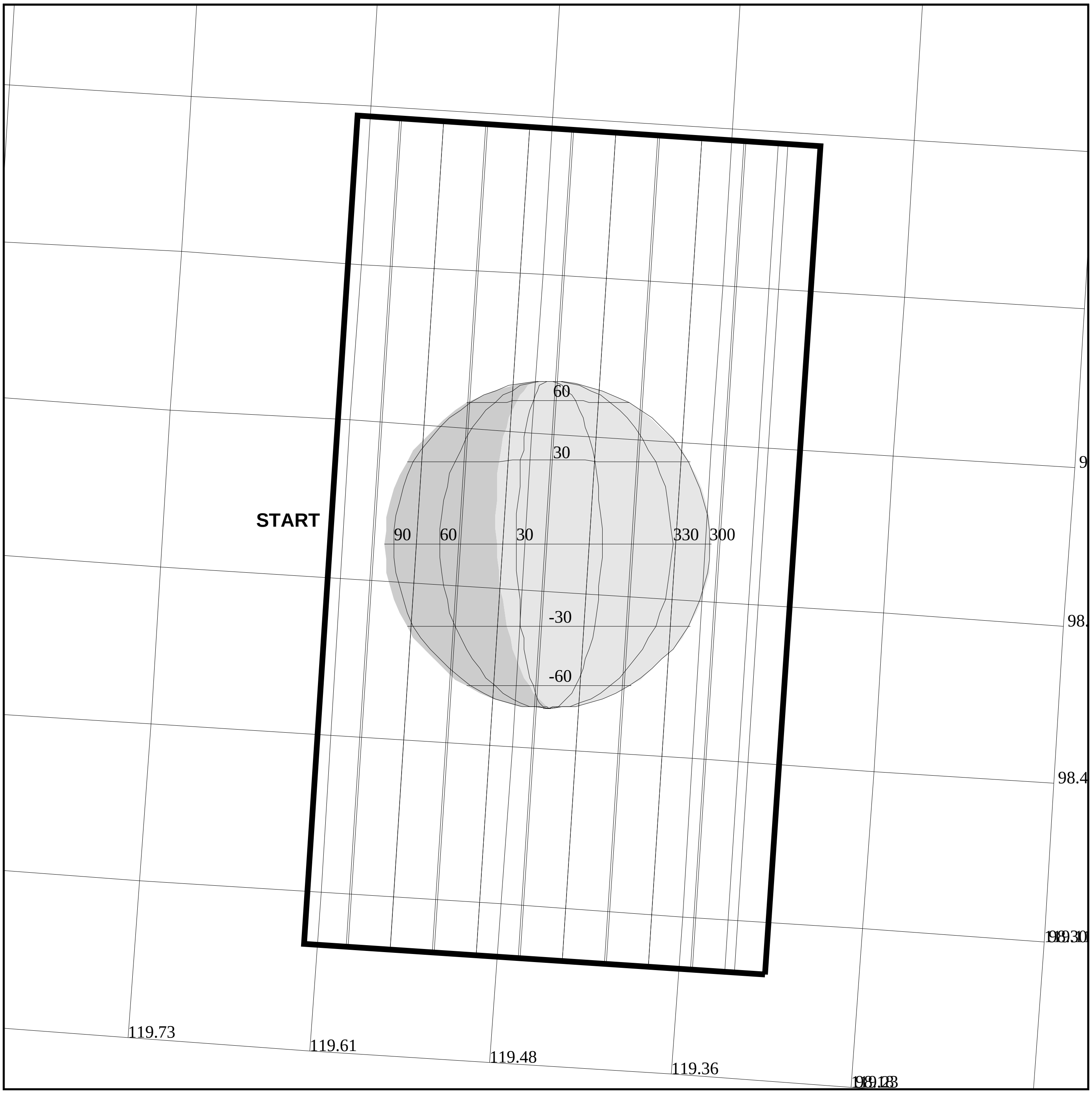
Mosaic covers: -18 to -11 degrees latitude and
+57 to +71 degrees West longitude.

Target centered at -15 degrees latitude, 65 degrees West longitude.

SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT

Fixed Long Map (XLM), Gain 2, Grating Start 0, LPU, JLM240, JLM48

Galileo Activity Plan Form 12/01/00 00:00:00 rev 6/95



165DH:TT= 0 TMC= 1 C= 2.50 XC= 0.00 BS= 0/9115 TC= 3
A= 728 pD= 536 SR=17.450 RA50=356.68 DEC50= -0.08 cone=119.61 clock= 98.59
117DH:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/9115
1:#s= 1 Cs= -5.20 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 536 rD= 80

29INIWATCH02

DESIGN G3.2 yande:11/15/2000 18:24:57

FILE:P.29INIWATCH02

TARGET BODY : IO

MINI:m.29INIWATCH02

S/C EPH:/DATA/NAVIO/001024-tour.NS

PERIAPSIS: **THINNING:NIM 2**

START:IEE 00-364/03:33:43.133 +CDS 19:00:0 **BODY PLOT TIME:TARGET-TIME D= 536 S= 0.300**

OBSERVATION:29INIWATCH02 **DESCRIP:IO_MONITORING**

Io Monitoring	ACTIVITY ID: 29INIWATCH02- START TIME: 00-364/03:48:53.133

Activity ID: Orbit 29 Target I Inst N OAPEL IWATCH SeqNo 02 -

Title	Io Monitoring			Instrument	NIMS
Requestor	NIMS-SWG/M. SEGURA	Team	NIMS	Working Group	SWG

Time System CDS Load ID Calendar Date 12/28/00 Week 52

Start	IEE+CDS 00000015:00:0	00-364/03:48:53.133	IEE+000/00:15:10.000
End	IEE+CDS 00000022:00:0	00-364/03:55:57.799	IEE+000/00:22:14.666
Duration	00000007:00:0	000/00:07:04.666	000/00:07:04.666

Top Label 29INIWATCH02-
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

To monitor Io’s volcanic activity.

Data Returned

Design Detail

BTG=1.09 MB, TICS=171, FMT=MPW, LM

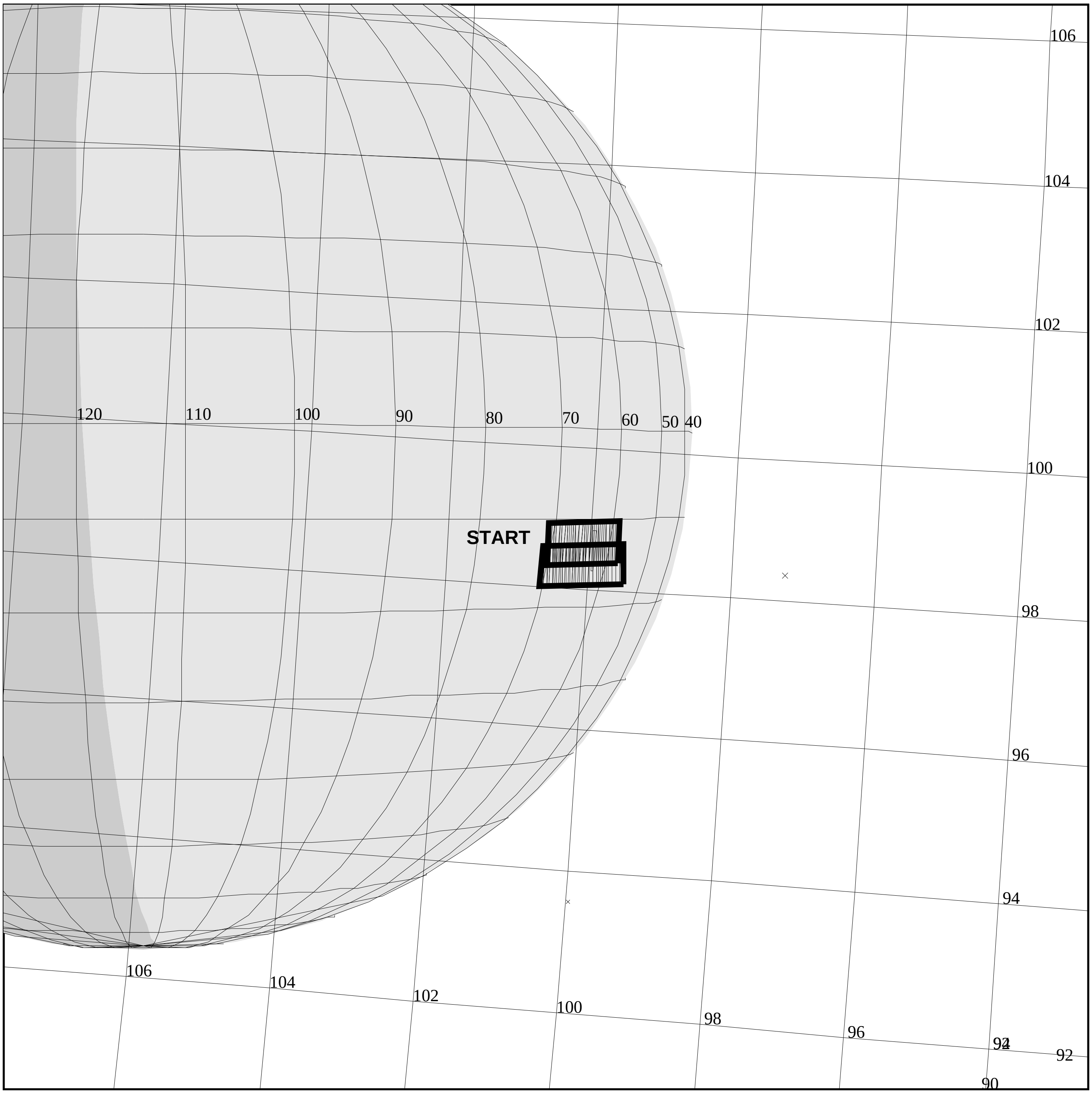
Single swath mosaic across Io’s 2/3-lit disk.
Mosaic covers -90 to +90 degrees latitude and
289 to 109 degress West longitude.

Target centered at 0 degrees latitude, 20 degrees West longitude

SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT

Fixed Long Map (XLM), Gain 2, Grating Start 0, MPW, ILM408, ILM288

Galileo Activity Plan Form 12/01/00 00:00:00 rev 6/95



165DI:TT= 0 TMC= 1 C= 8.00 XC= 2.00 BS= 0/0389 TC= 1(-14 65)
A= 182 pD= 0 SR=17.450 RA50=339.91 DEC50= -9.20 cone=100.58 clock= 98.60
117DI:#SB= 1 OR= 0.010 RR=12.000 BM=F RC= 1 BS= 0/0389
1:#s= 2 Cs= -4.15 XCs= 1.00 Cr= 17.50 XCr= -7.00 sD= 1256 rD= 36

29JNGRWAKE02

DESIGN G3.2 yande:11/16/2000 16:28:35

FILE:P.29JNGRWAKE02

CENTRAL BODY:JUPITER III

MINI:m.29JNGRWAKE02

S/C EPH:/DATA/NAVIO/001024-tour.NS

PERIAPSIS:

START:JEE 00-364/03:26:38.466 +CDS 33:00:0

OBSERVATION:29JNGRWAKE02

THINNING:NIM 2

BODY PLOT TIME:TARGET-TIME D= 0 S= 1.000

DESCRIP:JUPITER_HOT_SPOT_OBSERVATION

Jupiter GRS Wake Obs	ACTIVITY ID: 29JNGRWAKE02- START TIME: 00-364/04:00:00.466

Activity ID: Orbit 29 Target J Inst N OAPEL GRWAKE SeqNo 02 -

Title	Jupiter GRS Wake Obs			Instrument	NIMS
Requestor	NIMS-AWG/M. SEGURA	Team	NIMS	Working Group	AWG

Time System CDS Load ID Calendar Date 12/29/00 Week 52

Start	JEE+CDS 00000033:00:0	00-364/04:00:00.466	JEE+000/00:33:22.000
End	JEE+CDS 00000051:00:0	00-364/04:18:12.466	JEE+000/00:51:34.000
Duration	00000018:00:0	000/00:18:12.000	000/00:18:12.000

Top Label 29JNGRWAKE02-
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

To investigate composition and cloud dynamics of Jupiter’s GRS turbulent wake region.

Data Returned

Design Detail

BTG=0.97 MB, TICS=271, FMT=LPU, LM

Two swath mosaic across the northern half of the GRS and downstream turbulent wake region, dayside.

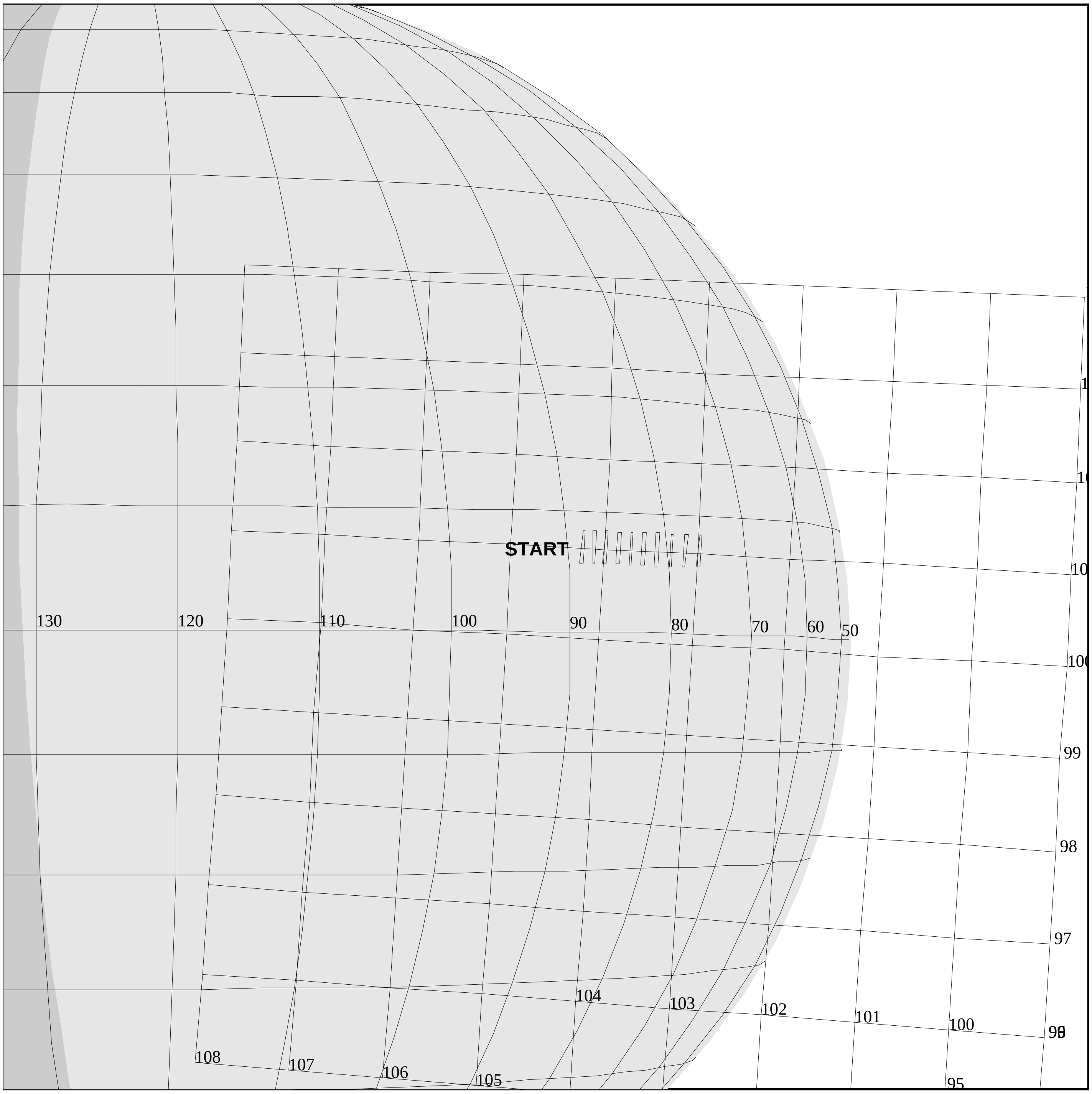
Mosaic covers: -17 to -11 degrees latitude and
+56 to +70 degrees West longitude.

Target centered at -15 degrees latitude, 65 degrees West longitude.

SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT

Fixed Long Map (XLM), Gain 2, Grating Start 0, LPU, JLM240, JLM48

Galileo Activity Plan Form 12/01/00 00:00:00 rev 6/95



165DJ:TT= 0 TMC= 1 C= 18.00 XC= 0.00 BS= 0/3847 TC= 1(7 82.5)
A= 182 pD= 0 SR=17.450 RA50=342.39 DEC50= -5.24 cone=104.60 clock=101.02
117DJ:#SB= 1 OR= 0.010 RR=12.000 BM=F RC= 1 BS= 0/3847
1:#s= 1 Cs= -8.35 XCs= -1.50 Cr= 0.00 XCr= 0.00 sD= 2526 rD= 2

29JNNEBRLT01

DESIGN G3.2 yande:12/21/2000 13:51:50

FILE:P.29JNNEBRLT01

CENTRAL BODY:JUPITER III

MINI:m.29JNNEBRLT01

S/C EPH:/DATA/NAVIO/001024-tour.NS

PERIAPSIS:

START:JEE 00-364/03:26:38.466 +CDS 52:00:0

OBSERVATION:29JNNEBRLT01

THINNING:NIM 7, MIRROR BLOCKING: 10001

BODY PLOT TIME:TARGET-TIME D= 0 S= 1.300

DESCRIP:JUPITER_RT_NEB_OBSERVATION

Jupiter R/T NEB Obs	ACTIVITY ID: 29JNNEBRLT01- START TIME: 00-364/04:18:12.466

Activity ID: Orbit 29 Target J Inst N OAPEL NEBRLT SeqNo 01 -

Title	Jupiter R/T NEB Obs			Instrument	NIMS
Requestor	NIMS-AWG/M. SEGURA	Team	NIMS	Working Group	AWG

Time System	CDS	Load ID		Calendar Date	12/29/00	Week	52

Start	JEE+CDS 00000051:00:0	00-364/04:18:12.466	JEE+000/00:51:34.000
End	JEE+CDS 00000066:00:0	00-364/04:33:22.466	JEE+000/01:06:44.000
Duration	00000015:00:0	000/00:15:10.000	000/00:15:10.000

Top Label	29JNNEBRLT01-
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

Jupiter North Equatorial Belt real-time observation.
These observations are designed to monitor cloud activity, thermal and compositional changes over the duration of the Galileo mission.

Data Returned

Design Detail

BTG=0.05 R/T LM

Single swath across the Northern Equatorial Belt hotspot region, dayside.

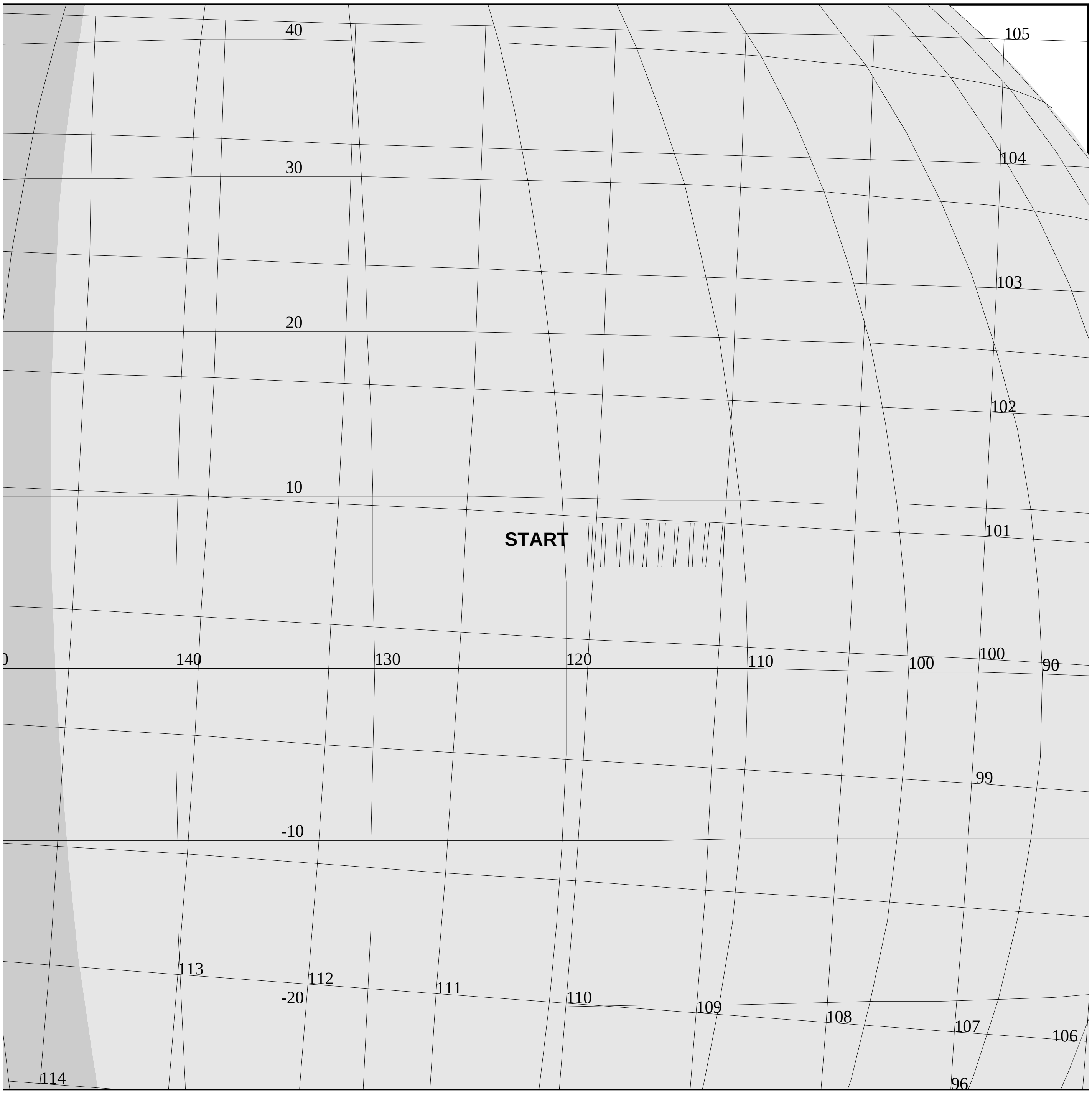
Mosaic covers: +5 to +9 degrees latitude and
+74 to +91 degrees West longitude.

Target centered at +7 degrees latitude, 83 degrees West longitude.

Mirror Blocking 11,11 (10001,10001)

SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT

Fixed Long Map (XLM), Gain 2, Grating Start 0, R/T, JLM130



165DK:TT=   0 TMC= 1 C=   14.50 XC=   0.00 BS= 0/8397 TC= 1(7   115   )
A= 182 pD=   0 SR=17.450 RA50=347.62 DEC50= -2.78 cone=110.36 clock=100.75
117DK:#SB= 1 OR= 0.010 RR=12.000 BM=F RC= 1 BS= 0/8397
1:#s= 1 Cs=   -8.40 XCs=   0.00 Cr=   0.00 XCr=   0.00 sD= 2532 rD=   2

29JNNTZRLT01

DESIGN G3.2 yande:12/21/2000 13:51:59

FILE:P.29JNNTZRLT01

CENTRAL BODY:JUPITER III

MINI:m.29JNNTZRLT01

S/C EPH:/DATA/NAVIO/001024-tour.NS

PERIAPSIS:

START:JEE 00-364/03:26:38.466   +CDS 77:00:0

OBSERVATION:29JNNTZRLT01

THINNING:NIM   7,   MIRROR BLOCKING: 10001

BODY PLOT TIME:TARGET-TIME D=   0 S= 1.800

DESCRIP:JUPITER_RT_NTZ_OBSERVATION

Jupiter R/T NTZ Obs		ACTIVITY ID:	29JNNTZRLT01-
		START TIME:	00-364/04:43:29.132

Activity ID: Orbit 29 Target J Inst N OAPEL NTZRLT SeqNo 01 -

Title	Jupiter R/T NTZ Obs			Instrument	NIMS
Requestor	NIMS-AWG/M. SEGURA	Team	NIMS	Working Group	AWG

Time System	CDS	Load ID		Calendar Date	12/29/00	Week	52

Start	JEE+CDS 00000076:00:0	00-364/04:43:29.132	JEE+000/01:16:50.666
End	JEE+CDS 00000091:00:0	00-364/04:58:39.132	JEE+000/01:32:00.666
Duration	00000015:00:0	000/00:15:10.000	000/00:15:10.000

Top Label	29JNNTZRLT01-
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

Jupiter North Temperate Zone real-time observation.
This observation is actually looking at the Northern Equtorial Belt (NEB) regi
These observations are designed to monitor cloud activity, thermal and compositional changes over the duration of the Galileo mission.

Data Returned

Design Detail

BTG=0.04 R/T LM

Single swath across the Northern Equatorial Belt hotspot region, dayside.

Mosaic covers: +5 to +9 degrees latitude and
               +110 to +121 degrees West longitude.

Target centered at +7 degrees latitude, 115 degrees West longitude.

Mirror Blocking 11,11 (10001,10001)

SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT

Fixed Long Map (XLM), Gain 2, Grating Start 0, R/T, JLM130

165DL:TT= 0 TMC= 1 C= 13.00 XC= 0.00 BS= 0/2037 TC= 1(-26 115)
A= 182 pD= 0 SR=17.450 RA50=351.03 DEC50= -5.81 cone=111.87 clock= 96.15
117DL:#SB= 1 OR= 0.010 RR=12.000 BM=F RC= 1 BS= 0/2037
1:#s= 1 Cs= -8.40 XCs= 2.00 Cr= 0.00 XCr= 0.00 sD= 2538 rD= 2

29JNSTZRLT01

DESIGN G3.2 yande:12/21/2000 13:52:19

FILE:P.29JNSTZRLT01

CENTRAL BODY:JUPITER III

MINI:m.29JNSTZRLT01

S/C EPH:/DATA/NAVIO/001024-tour.NS

PERIAPSIS:

START:JEE 00-364/03:26:38.466 +CDS 97:00:0

OBSERVATION:29JNSTZRLT01

THINNING:NIM 7, MIRROR BLOCKING: 10001

BODY PLOT TIME:TARGET-TIME D= 0 S= 2.500

DESCRIP:JUPITER_RT_STZ_OBSERVATION

Jupiter R/T STZ Obs	ACTIVITY ID: 29JNSTZRLT01- START TIME: 00-364/05:03:42.466

Activity ID: Orbit 29 Target J Inst N OAPEL STZRLT SeqNo 01 -

Title	Jupiter R/T STZ Obs			Instrument	NIMS
Requestor	NIMS-AWG/M. SEGURA	Team	NIMS	Working Group	AWG

Time System CDS Load ID Calendar Date 12/29/00 Week 52

Start	JEE+CDS 00000096:00:0	00-364/05:03:42.466	JEE+000/01:37:04.000
End	JEE+CDS 00000111:00:0	00-364/05:18:52.466	JEE+000/01:52:14.000
Duration	00000015:00:0	000/00:15:10.000	000/00:15:10.000

Top Label 29JNSTZRLT01-
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

Jupiter South Tropical Zone real-time observation.
These observations are designed to monitor cloud activity, thermal and compositional changes over the duration of the Galileo mission.

Data Returned

Design Detail

BTG=0.04 R/T LM

Single swath across the South Tropical Zone, dayside.

Mosaic covers: -27 to -25 degrees latitude and
+106 to +121 degrees West longitude.

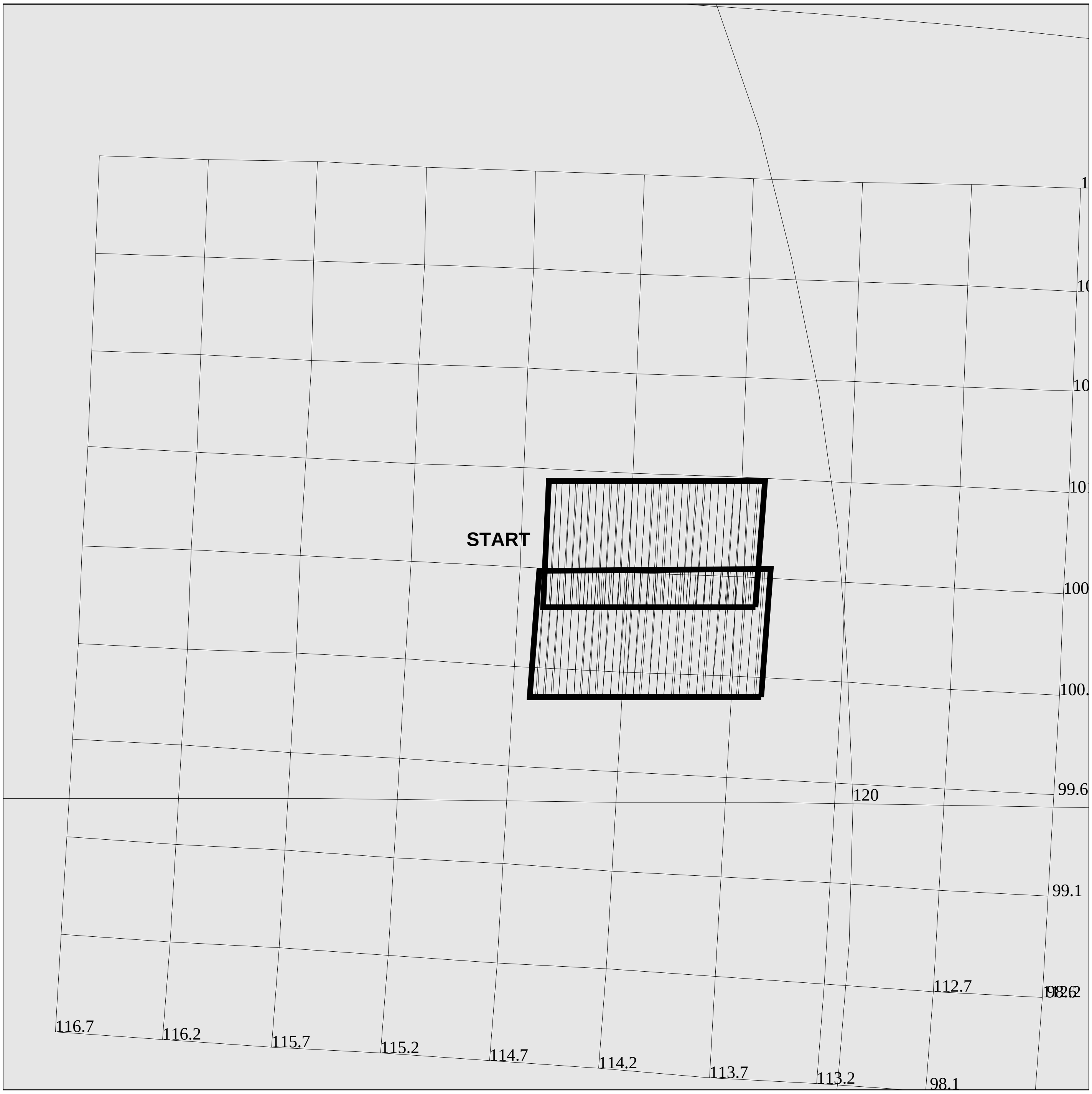
Target centered at -26 degrees latitude, 110 degrees West longitude.

Mirror Blocking 11,11 (10001,10001)

SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT

Fixed Long Map (XLM), Gain 2, Grating Start 0, R/T, JLM130

Galileo Activity Plan Form 12/01/00 00:00:00 rev 6/95



165DM:TT= 0 TMC= 1 C= 7.00 XC= 4.50 BS= 0/5677 TC= 1(7 128)
A= 182 pD= 0 SR=17.450 RA50=351.33 DEC50= -0.81 cone=114.56 clock=100.75
117DM:#SB= 1 OR= 0.010 RR=12.000 BM=F RC= 1 BS= 0/5677
1:#s= 2 Cs= -5.05 XCs= 0.00 Cr= 16.50 XCr= -8.00 sD= 1526 rD= 38

29JNHTSPOT01

DESIGN G3.2 yande:11/15/2000 18:35:16

FILE:P.29JNHTSPOT01

CENTRAL BODY:JUPITER III

MINI:m.29JNHTSPOT01

S/C EPH:/DATA/NAVIO/001024-tour.NS

PERIAPSIS:

START:JEE 00-364/03:26:38.466 +CDS 117:00:0

OBSERVATION:29JNHTSPOT01

THINNING:NIM 2

BODY PLOT TIME:TARGET-TIME D= 0 S= 3.000

DESCRIP:JUPITER_HOT_SPOT_OBSERVATION

Jupiter Hot Spot Obs	ACTIVITY ID: 29JNHTSPOT01- START TIME: 00-364/05:23:55.799

Activity ID: Orbit 29 Target J Inst N OAPEL HTSPOT SeqNo 01 -

Title	Jupiter Hot Spot Obs			Instrument	NIMS
Requestor	NIMS-AWG/M. SEGURA	Team	NIMS	Working Group	AWG

Time System	CDS	Load ID		Calendar Date	12/29/00	Week 52

Start	JEE+CDS 00000116:00:0	00-364/05:23:55.799	JEE+000/01:57:17.333
End	JEE+CDS 00000136:00:0	00-364/05:44:09.132	JEE+000/02:17:30.666
Duration	00000020:00:0	000/00:20:13.333	000/00:20:13.333

Top Label	29JNHTSPOT01-
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

Jupiter Hot Spot map to determine cloud dynamics and permit mapping of compositional variations over time.

Data Returned

Design Detail

BTG=0.36 MB, TICS=271, FMT=LPU, LM

Two swath mosaic over a hotspot region, dayside.

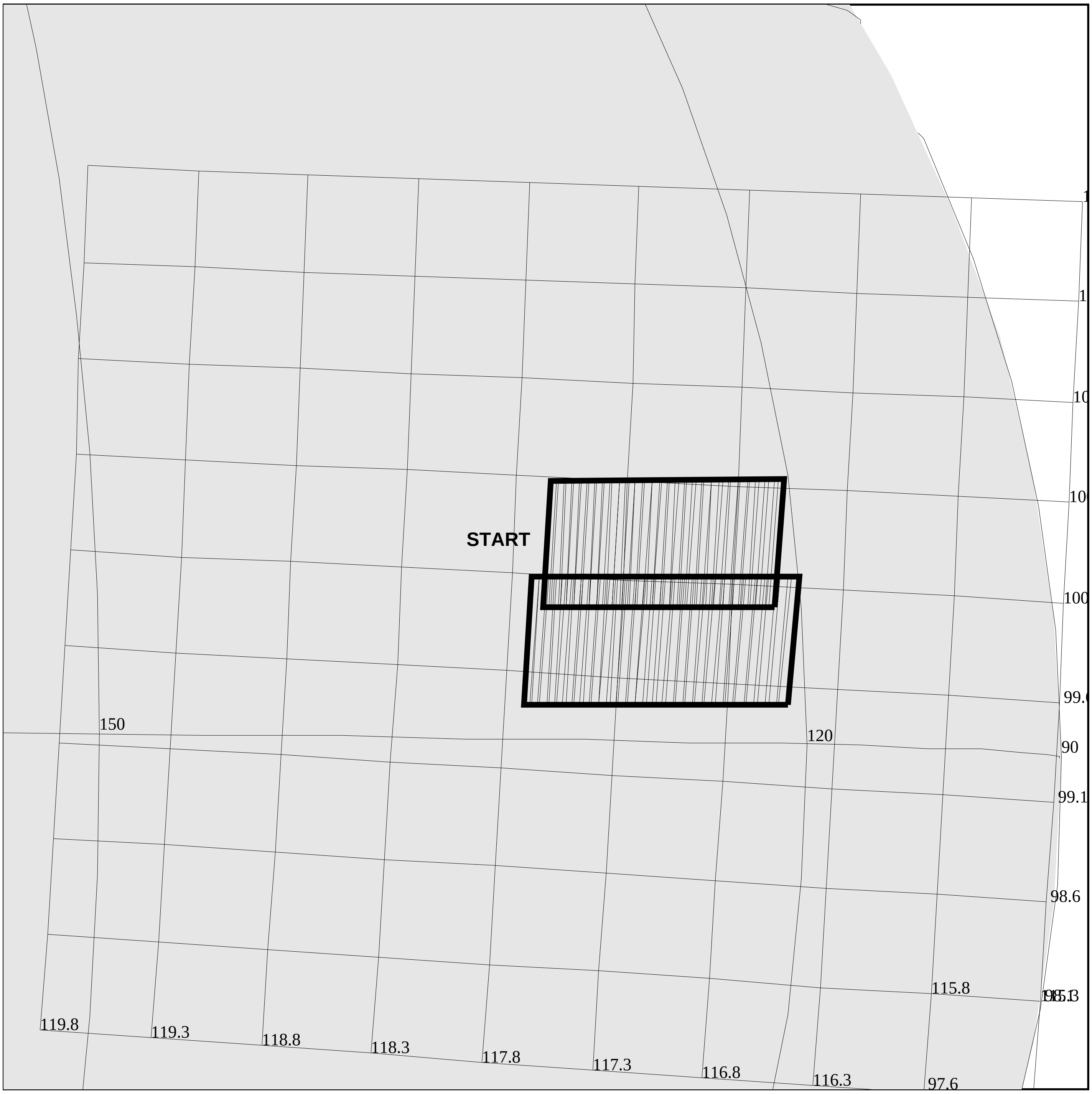
Mosaic covers: +4 to +14 degrees latitude and
+123 to +131 degrees West longitude.

Target centered at +7 degrees latitude, 127 degrees West longitude.

SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT

Fixed Long Map (XLM), Gain 2, Grating Start 0, LPU, JLM240, JLM48

Galileo Activity Plan Form 12/01/00 00:00:00 rev 6/95



165DN:TT= 0 TMC= 1 C= 8.00 XC= 0.00 BS= 0/2411 TC= 1(7 128)
A= 728 pD= 0 SR=17.450 RA50=354.22 DEC50= 0.21 cone=117.59 clock=100.22
117DN:#SB= 1 OR= 0.010 RR=12.000 BM=F RC= 1 BS= 0/2411
1:#s= 2 Cs= -4.75 XCs= 0.00 Cr= 17.50 XCr= -8.50 sD= 1434 rD= 40

29JNHTSPOT02

DESIGN G3.2 yande:11/15/2000 18:36:56

FILE:P.29JNHTSPOT02

CENTRAL BODY:JUPITER III

MINI:m.29JNHTSPOT02

S/C EPH:/DATA/NAVIO/001024-tour.NS

PERIAPSIS:

START:JEE 00-364/03:26:38.466 +CDS 154:00:0

OBSERVATION:29JNHTSPOT02

THINNING:NIM 2

BODY PLOT TIME:TARGET-TIME D= 0 S= 3.000

DESCRIP:GRS_WAKE_OBSERVATION

Jupiter Hot Spot Obs	ACTIVITY ID: 29JNHTSPOT02- START TIME: 00-364/05:58:18.466

Activity ID: Orbit 29 Target J Inst N OAPEL HTSPOT SeqNo 02 -

Title	Jupiter Hot Spot Obs			Instrument	NIMS
Requestor	NIMS-AWG/M. SEGURA	Team	NIMS	Working Group	AWG

Time System	CDS	Load ID		Calendar Date 12/29/00	Week 52

Start	JEE+CDS 00000150:00:0	00-364/05:58:18.466	JEE+000/02:31:40.000
End	JEE+CDS 00000165:00:0	00-364/06:13:28.466	JEE+000/02:46:50.000
Duration	00000015:00:0	000/00:15:10.000	000/00:15:10.000

Top Label	29JNHTSPOT02-
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

Jupiter Hot Spot map to determine cloud dynamics and permit mapping of compositional variations over time.

Data Returned

Design Detail

BTG=0.36 MB, TICS=201, FMT=LPU, LM

Two swath mosaic over a hotspot region, dayside.

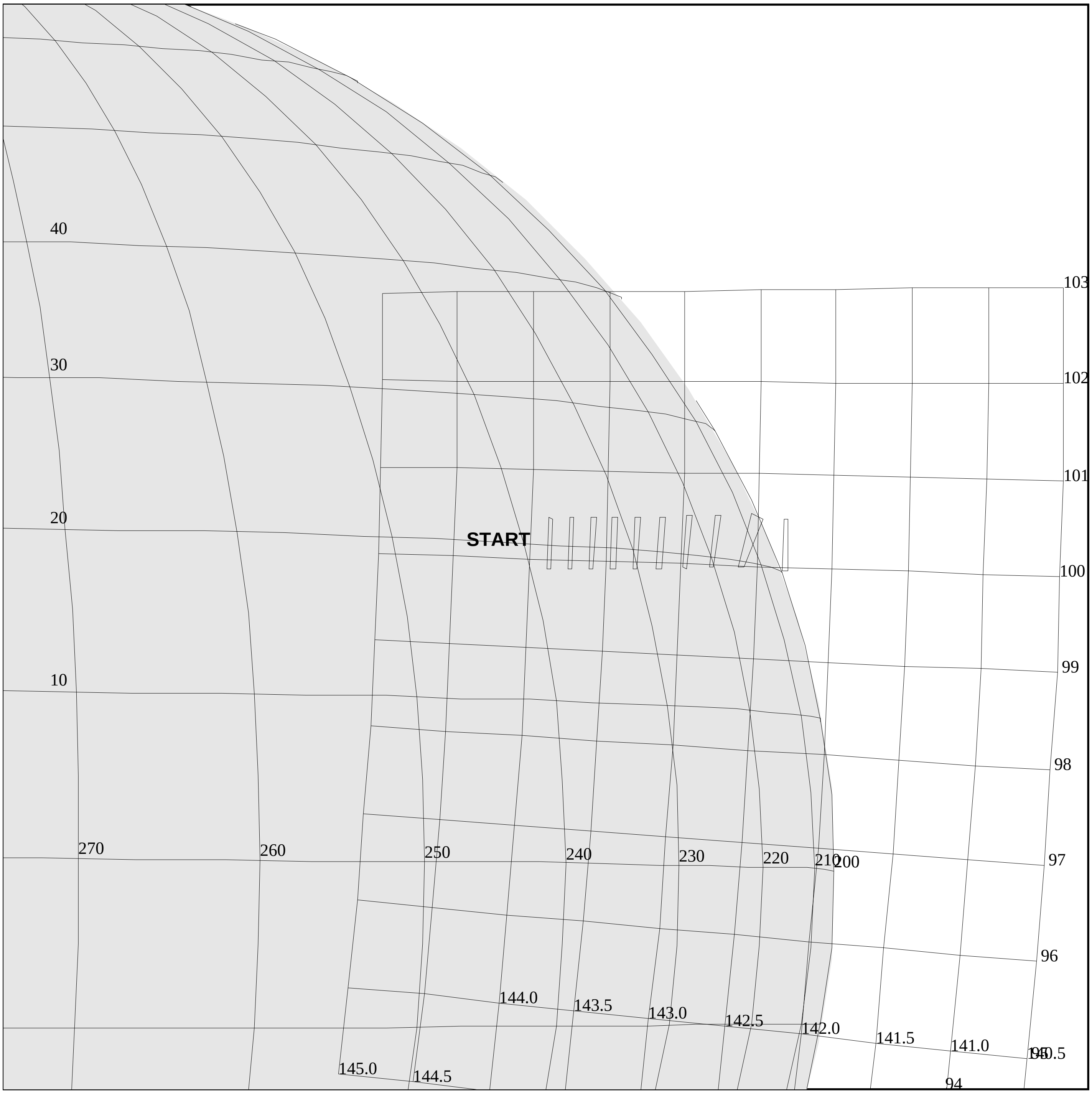
Mosaic covers: +2 to +12 degrees latitude and
               +121 to +133 degrees West longitude.

Target centered at +7 degrees latitude, 127 degrees West longitude.

SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT

Fixed Long Map (XLM), Gain 2, Grating Start 0, LPU, JLM240, JLM48

Galileo Activity Plan Form   12/01/00 00:00:00   rev 6/95



165DP:TT= 0 TMC= 1 C= 0.00 XC= 0.00 BS= 0/2997 TC= 1(20 238)
A= 728 pD= 0 SR=17.450 RA50= 17.76 DEC50= 12.31 cone=143.90 clock=100.17
117DP:#SB= 1 OR= 0.020 RR=12.000 BM=F RC= 1 BS= 0/2997
1:#s= 1 Cs= -13.20 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 2002 rD= 2

29JNNTZRLT02

DESIGN G3.2 yande:12/21/2000 13:52: 8

FILE:P.29JNNTZRLT02

CENTRAL BODY:JUPITER III

MINI:m.29JNNTZRLT02

S/C EPH:/DATA/NAVIO/001024-tour.NS

PERIAPSIS:

START:JEE 00-364/03:26:38.466 +CDS 377:00:0

OBSERVATION:29JNNTZRLT02

THINNING:NIM 7, MIRROR BLOCKING: 10001

BODY PLOT TIME:TARGET-TIME D= 0 S= 1.800

DESCRIP:JUPITER_RT_NTZ_OBSERVATION

Jupiter R/T NTZ Obs	ACTIVITY ID:	29JNNTZRLT02-
	START TIME:	00-364/09:43:47.132

Activity ID: Orbit 29 Target J Inst N OAPEL NTZRLT SeqNo 02 -

Title	Jupiter R/T NTZ Obs			Instrument	NIMS
Requestor	NIMS-AWG/M. SEGURA	Team	NIMS	Working Group	AWG

Time System	CDS	Load ID		Calendar Date 12/29/00	Week 52

Start	JEE+CDS 00000373:00:0	00-364/09:43:47.132	JEE+000/06:17:08.666
End	JEE+CDS 00000388:00:0	00-364/09:58:57.132	JEE+000/06:32:18.666
Duration	00000015:00:0	000/00:15:10.000	000/00:15:10.000

Top Label	29JNNTZRLT02-
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

Jupiter North Temperate Zone real-time observation.
These observations are designed to monitor cloud activity, thermal and compositional changes over the duration of the Galileo mission.

Data Returned

Design Detail

BTG=0.04 R/T LM

Single swath across the Northern Temperate Zone region, dayside.

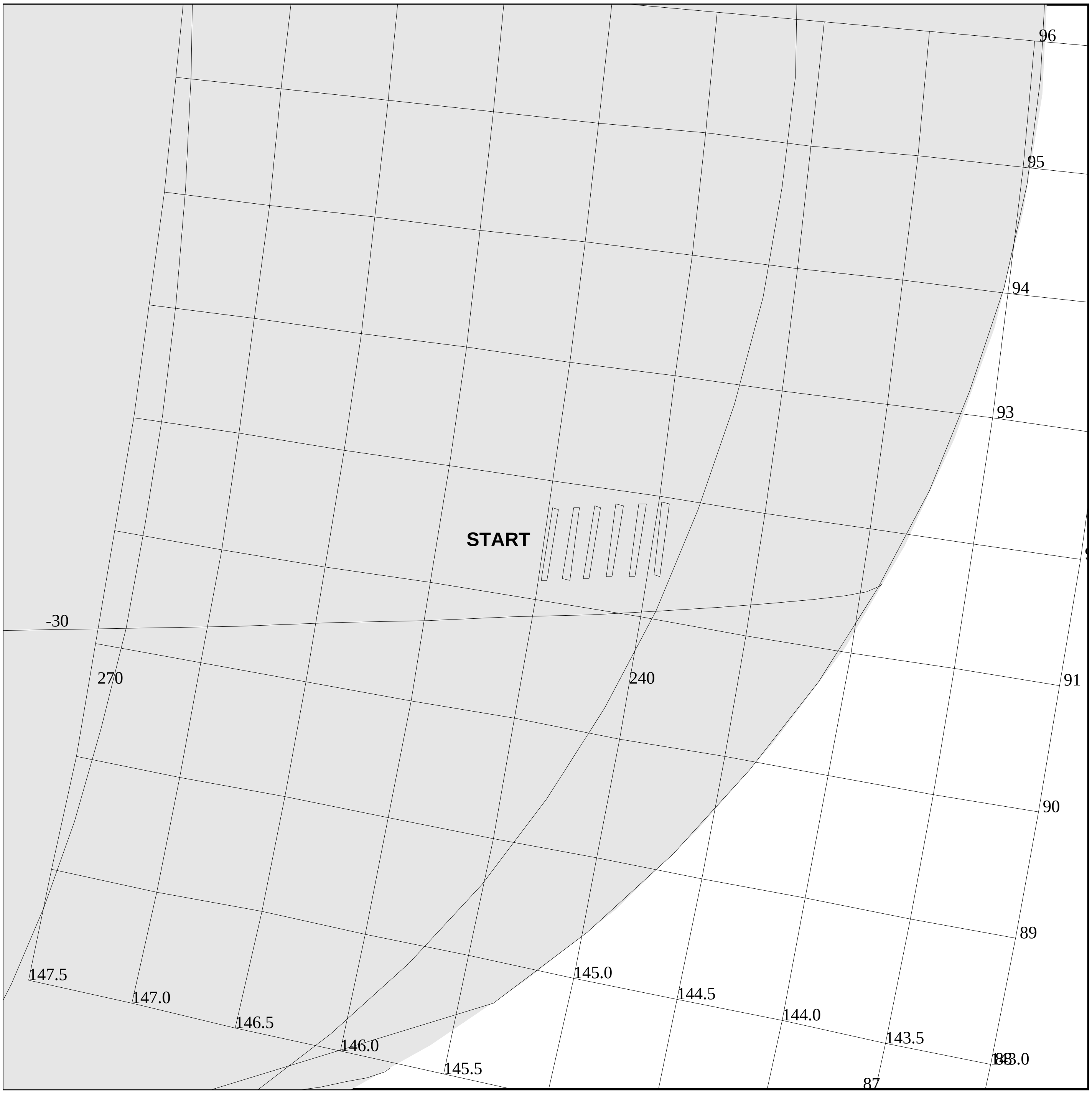
Mosaic covers: +18 to +22 degrees latitude and
+201 to +238 degrees West longitude.

Target centered at +20 degrees latitude, 225 degrees West longitude.

Swath runs off of the limb.

Mirror Blocking 11,11 (10001,10001)
SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT

Fixed Long Map (XLM), Gain 2, Grating Start 0, R/T, JLM130



165DQ:TT= 0 TMC= 1 C= 14.00 XC= -3.50 BS= 0/5727 TC= 1(-26 237.5)
A= 546 pD= 0 SR=17.450 RA50= 21.61 DEC50= 8.66 cone=145.45 clock= 91.48
117DQ:#SB= 1 OR= 0.010 RR=12.000 BM=F RC= 1 BS= 0/5727
1:#s= 1 Cs= -6.60 XCs= 2.60 Cr= 0.00 XCr= 0.00 sD= 2002 rD= 2

29JNSTZRLT02

DESIGN G3.2 yande:12/21/2000 13:52:30

FILE:P.29JNSTZRLT02

CENTRAL BODY:JUPITER III

MINI:m.29JNSTZRLT02

S/C EPH:/DATA/NAVIO/001024-tour.NS

PERIAPSIS:

START:JEE 00-364/03:26:38.466 +CDS 392:00:0

OBSERVATION:29JNSTZRLT02

THINNING:NIM 7, MIRROR BLOCKING: 10001

BODY PLOT TIME:TARGET-TIME D= 0 S= 2.500

DESCRIP:JUPITER_RT_STZ_OBSERVATION

Jupiter R/T STZ Obs	ACTIVITY ID: 29JNSTZRLT02- START TIME: 00-364/09:58:57.132

Activity ID: Orbit 29 Target J Inst N OAPEL STZRLT SeqNo 02 -

Title	Jupiter R/T STZ Obs			Instrument	NIMS
Requestor	NIMS-AWG/M. SEGURA	Team	NIMS	Working Group	AWG

Time System	CDS	Load ID		Calendar Date 12/29/00	Week 52

Start	JEE+CDS 00000388:00:0	00-364/09:58:57.132	JEE+000/06:32:18.666
End	JEE+CDS 00000403:00:0	00-364/10:14:07.132	JEE+000/06:47:28.666
Duration	00000015:00:0	000/00:15:10.000	000/00:15:10.000

Top Label	29JNSTZRLT02-
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

Jupiter South Tropical Zone real-time observation.
These observations are designed to monitor cloud activity, thermal and compositional changes over the duration of the Galileo mission.

Data Returned

Design Detail

BTG=0.04 R/T LM

Single swath across the South Tropical Zone, dayside.

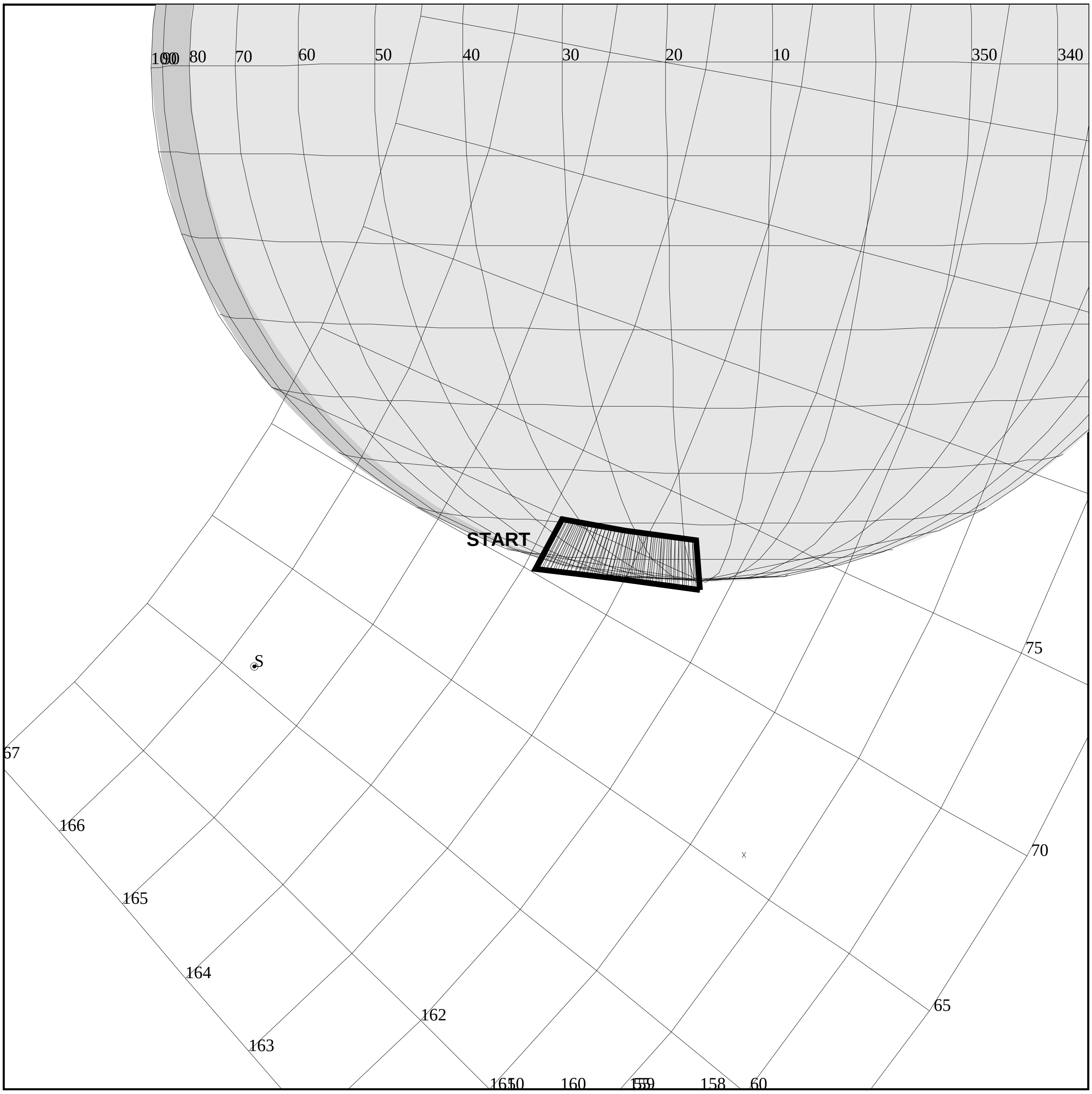
Mosaic covers: -27 to -25 degrees latitude and
+230 to +249 degrees West longitude.

Target centered at -26 degrees latitude, 240 degrees West longitude.

Mirror Blocking 11,11 (10001,10001)

SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT

Fixed Long Map (XLM), Gain 2, Grating Start 0, R/T, JLM130



165DR:TT= 0 TMC= 1 C= 18.00 XC= -3.00 BS= 0/5939 TC= 1(-80 50)
A= 364 pD= 0 SR=17.450 RA50= 41.51 DEC50= 13.59 cone=163.88 clock= 71.23
117DR:#SB= 1 OR= 0.020 RR=12.000 BM=F RC= 1 BS= 0/5939
1:#s= 1 Cs= -13.80 XCs= 4.10 Cr= 0.00 XCr= 0.00 sD= 2174 rD= 2

29JNAURORA01

DESIGN G3.2 yande:11/16/2000 15:58:14

FILE:P.29JNAURORA01

CENTRAL BODY:JUPITER III

MINI:m.29JNAURORA01

S/C EPH:/DATA/NAVIO/001024-tour.NS

PERIAPSIS: **THINNING:NIM 2**

START:JEE 00-364/03:26:38.466 +CDS 558:00:0 **BODY PLOT TIME:TARGET-TIME D= 0 S= 1.000**

OBSERVATION:29JNAURORA01 **DESCRIP:JUPITER_AURORA_OBSERVATION**

Jupiter Aurora Obs	ACTIVITY ID: 29JNAURORA01- START TIME: 00-364/12:48:49.132

Activity ID: Orbit 29 Target J Inst N OAPEL AURORA SeqNo 01 -

Title	Jupiter Aurora Obs			Instrument	NIMS
Requestor	NIMS-AWG/M. SEGURA	Team	NIMS	Working Group	AWG

Time System CDS Load ID Calendar Date 12/29/00 Week 52

Start	JEE+CDS 00000556:00:0	00-364/12:48:49.132	JEE+000/09:22:10.666
End	JEE+CDS 00000570:00:0	00-364/13:02:58.466	JEE+000/09:36:20.000
Duration	00000014:00:0	000/00:14:09.334	000/00:14:09.334

Top Label 29JNAURORA01-
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

1 of 10 Jupiter Aurora maps of the southern aurora region.
The set of 10 will map out all 360 degrees longitude of Jupiter’s southern Aurora region over 1 Jupiter rotation (about 10 hours).

Data Returned

Design Detail

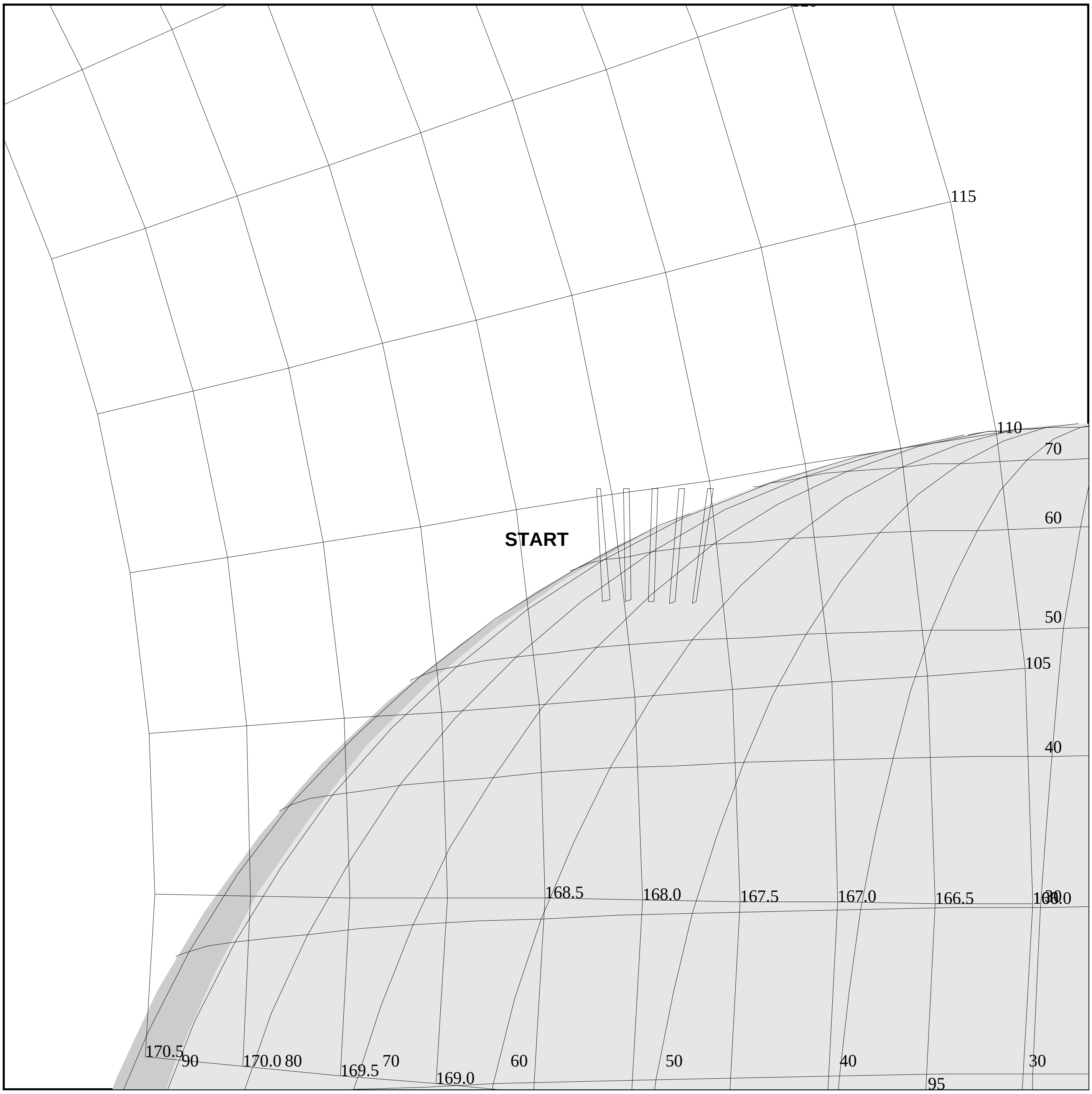
BTG=0.48 MB, TICS=187, FMT=LPU, LM

Single swath over the southern aurora region, dayside.

Mosaic covers: -90 to -60 degrees latitude and
+19 to +56 degrees West longitude.

SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT

Fixed Long Map (XLM), Gain 4, Grating Start 0, LPU, JLM240, JLM72



165DS:TT=   0 TMC= 1 C=   9.00 XC=   2.00 BS= 0/8669 TC= 1(60   80   )
A= 364 pD=   0 SR=17.450 RA50= 40.92 DEC50= 23.44 cone=168.33 clock=109.02
117DS:#SB= 1 OR= 0.020 RR=12.000 BM=F RC= 1 BS= 0/8669
1:#s= 1 Cs=   -9.50 XCs=   -2.00 Cr=   0.00 XCr=   0.00 sD= 1446 rD=   2

29JNLIMBRT01

DESIGN G3.2 yande:12/21/2000 13:50:57

FILE:P.29JNLIMBRT01

CENTRAL BODY:JUPITER III

MINI:m.29JNLIMBRT01

S/C EPH:/DATA/NAVIO/001024-tour.NS

PERIAPSIS:

START:JEE 00-364/03:26:38.466   +CDS 573:00:0

OBSERVATION:29JNLIMBRT01

THINNING:NIM   7

BODY PLOT TIME:TARGET-TIME D=   0 S= 2.000

DESCRIP:JUPITER_REALTIME_LIMB_OBSERVATIO

Jupiter R/T Limb Obs		ACTIVITY ID:	29JNLIMBRT01-
		START TIME:	00-364/13:03:59.132

Activity ID: Orbit 29 Target J Inst N OAPEL LIMBRT SeqNo 01 -

Title	Jupiter R/T Limb Obs			Instrument	NIMS
Requestor	NIMS-AWG/M. SEGURA	Team	NIMS	Working Group	AWG

Time System	CDS	Load ID		Calendar Date	12/29/00	Week	52

Start	JEE+CDS 00000571:00:0	00-364/13:03:59.132	JEE+000/09:37:20.666
End	JEE+CDS 00000581:00:0	00-364/13:14:05.799	JEE+000/09:47:27.333
Duration	00000010:00:0	000/00:10:06.667	000/00:10:06.667

Top Label	29JNLIMBRT01-
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

Real-time observation of Jupiter's northern limb.

Data Returned

Design Detail

BTG=0.03 R/T LM

Single swath across Jupiter's northern limb, dayside.

Mosaic covers: +54 to +68 degrees latitude and
+69 to +109 degrees West longitude.

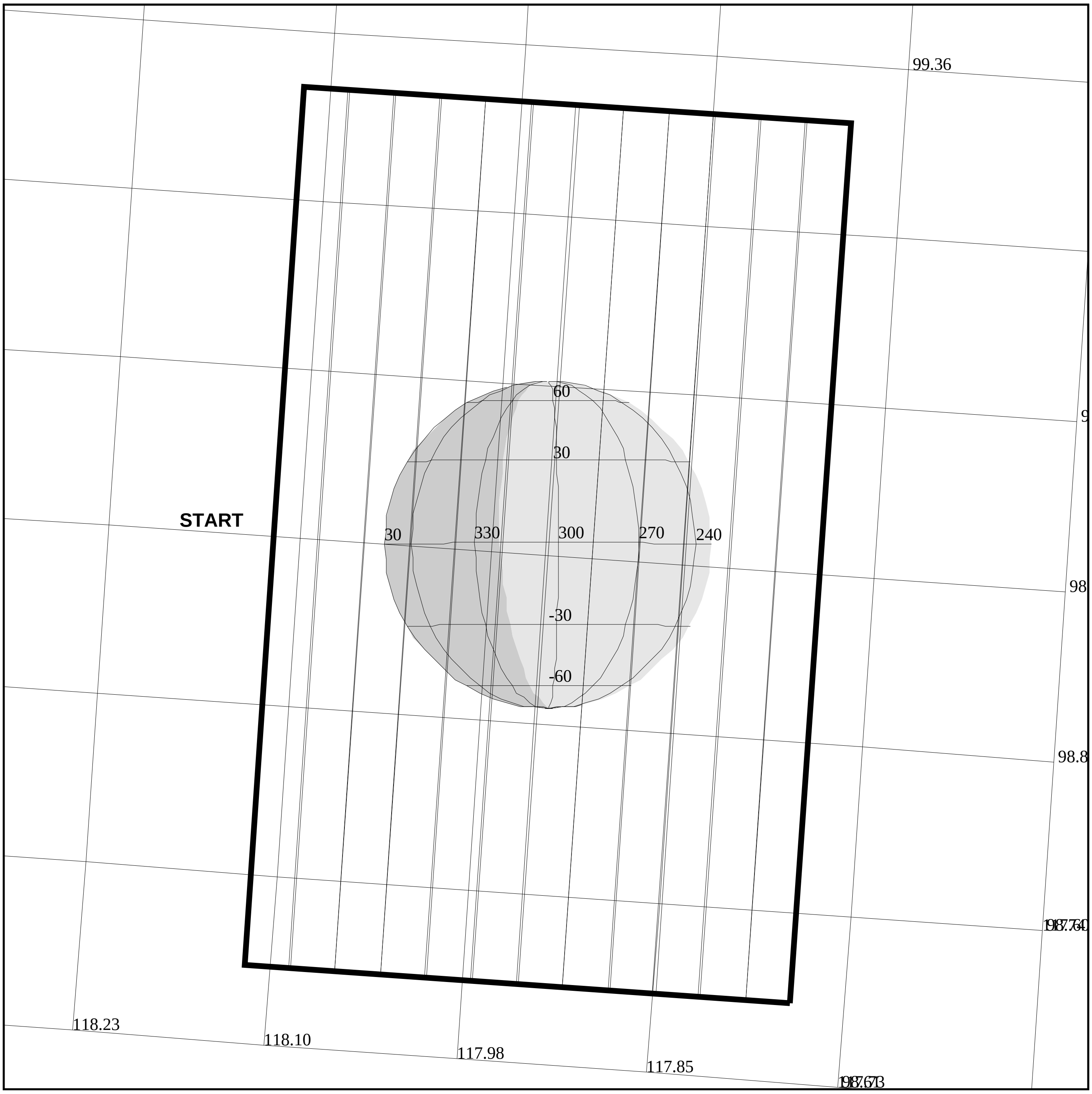
Target centered at +60 degrees latitude, 90 degrees West longitude.

No Mirror Blocking.

SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT

Fixed Long Map (XLM), Gain 4, Grating Start 0, R/T, JLM80

Galileo Activity Plan Form   12/01/00 00:00:00   rev 6/95



165DT:TT= 0 TMC= 1 C= 3.00 XC= 0.00 BS= 0/3037 TC= 3
A= 728 pD= 616 SR=17.450 RA50=355.20 DEC50= -0.49 cone=118.11 clock= 99.00
117DT:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/3037
1:#s= 1 Cs= -6.00 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 616 rD= 44

29ENGLOBAL01

DESIGN G3.2 yande:11/15/2000 18:23:34

FILE:P.29ENGLOBAL01

TARGET BODY : EUROPA

MINI:m.29ENGLOBAL01

S/C EPH:/DATA/NAVIO/001024-tour.NS

PERIAPSIS:

START:EEE 00-364/09:37:43.133 +CDS 230:00:0

OBSERVATION:29ENGLOBAL01

THINNING:NIM 2

BODY PLOT TIME:TARGET-TIME D= 616 S= 0.300

DESCRIP:EUROPA_GLOBAL_OBSERVATION

Europa Global Obs	ACTIVITY ID: 29ENGLOBAL01- START TIME: 00-364/13:26:13.799

Activity ID: Orbit 29 Target E Inst N OAPEL GLOBAL SeqNo 01 -

Title	Europa Global Obs			Instrument	NIMS
Requestor	NIMS-SWG/M. SEGURA	Team	NIMS	Working Group	SWG

Time System	CDS	Load ID		Calendar Date	12/28/00	Week	52

Start	EEE+CDS 00000226:00:0	00-364/13:26:13.799	EEE+000/03:48:30.666
End	EEE+CDS 00000242:00:0	00-364/13:42:24.466	EEE+000/04:04:41.333
Duration	00000016:00:0	000/00:16:10.667	000/00:16:10.667

Top Label 29ENGLOBAL01-
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

This observation will allow for compositional mapping.
This Galileo view of Europa is being done in support of the Cassini VIMS observations of Europa planned in the same time frame.

Data Returned

Design Detail

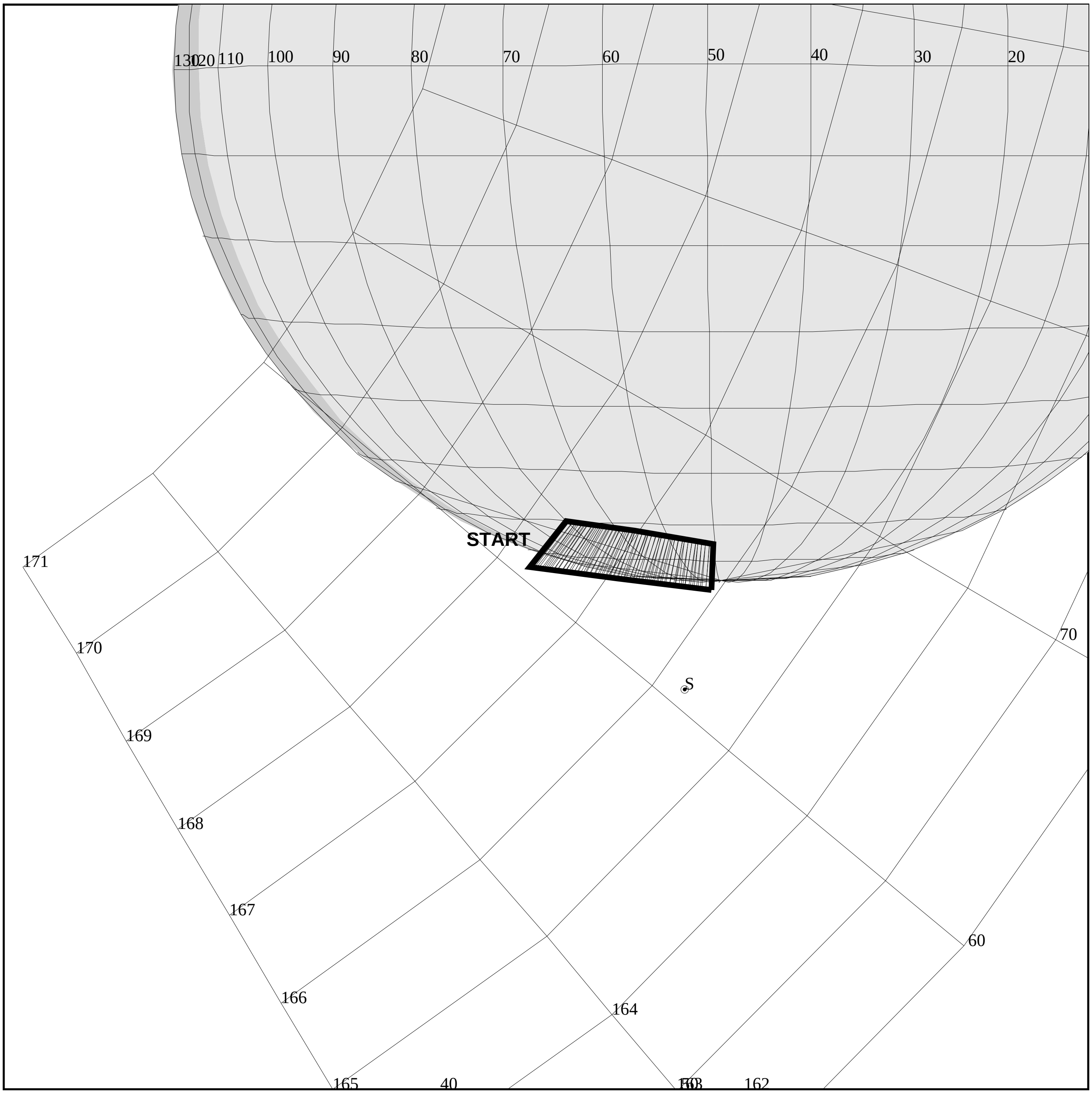
BTG=0.64 MB, TICS=187, FMT=MPW, LM

Low-resolution single swath global mosaic across the 2/3-lit disk.
Mosaic centered at 0 degrees latitude, 305 degrees West Longitude.

SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT

Fixed Long Map (XLM), Gain 4, Grating Start 0, MPW, ELM408, ELM288

Galileo Activity Plan Form 12/01/00 00:00:00 rev 6/95



165DU:TT= 0 TMC= 1 C= 20.00 XC= -8.00 BS= 0/6677 TC= 1(-80 80)
A= 728 pD= 0 SR=17.450 RA50= 45.80 DEC50= 15.09 cone=167.68 clock= 61.97
117DU:#SB= 1 OR= 0.040 RR=12.000 BM=F RC= 1 BS= 0/6677
1:#s= 1 Cs= -14.00 XCs= 7.00 Cr= 0.00 XCr= 0.00 sD= 2356 rD= 2

29JNAURORA02

DESIGN G3.2 yande:11/16/2000 15:51:39

FILE:P.29JNAURORA02

CENTRAL BODY:JUPITER III

MINI:m.29JNAURORA02

S/C EPH:/DATA/NAVIO/001024-tour.NS

PERIAPSIS:

START:JEE 00-364/03:26:38.466 +CDS 617:00:0

OBSERVATION:29JNAURORA02

THINNING:NIM 2

BODY PLOT TIME:TARGET-TIME D= 0 S= 1.000

DESCRIP:JUPITER_AURORA_OBSERVATION

Jupiter Aurora Obs	ACTIVITY ID:	29JNAURORA02-
	START TIME:	00-364/13:49:29.132

Activity ID: Orbit 29 Target J Inst N OAPEL AURORA SeqNo 02 -

Title	Jupiter Aurora Obs			Instrument	NIMS
Requestor	NIMS-AWG/M. SEGURA	Team	NIMS	Working Group	AWG

Time System	CDS	Load ID		Calendar Date	12/29/00	Week	52

Start	JEE+CDS 00000616:00:0	00-364/13:49:29.132	JEE+000/10:22:50.666
End	JEE+CDS 00000630:00:0	00-364/14:03:38.466	JEE+000/10:37:00.000
Duration	00000014:00:0	000/00:14:09.334	000/00:14:09.334

Top Label	29JNAURORA02-
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

1 of 10 Jupiter Aurora maps of the southern aurora region.
The set of 10 will map out all 360 degrees longitude of Jupiter’s southern Aurora region over 1 Jupiter rotation (about 10 hours).

Data Returned

Design Detail

BTG=0.48 MB, TICS=187, FMT=LPU, LM

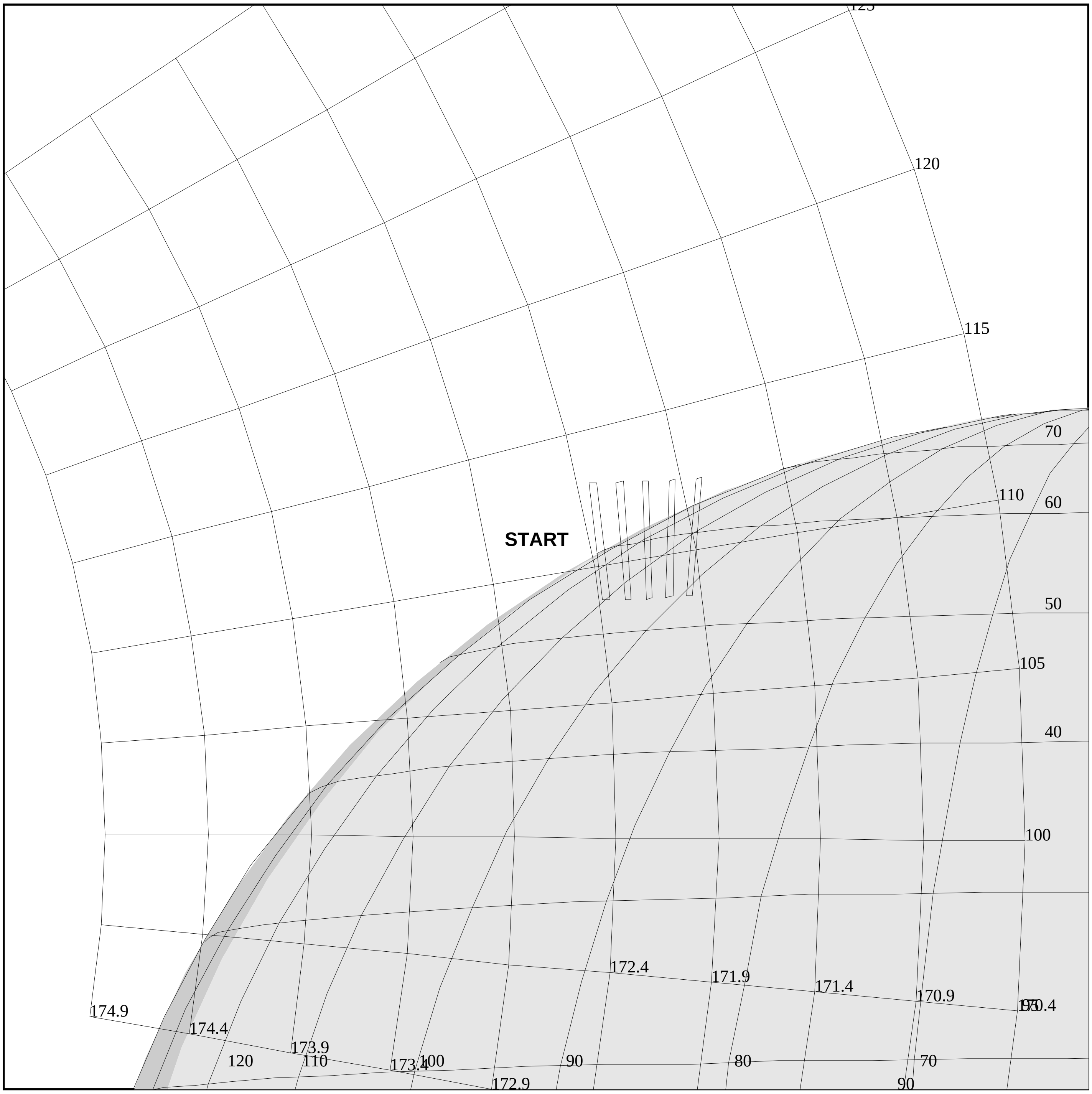
Single swath over the southern aurora region, dayside.

Mosaic covers: -90 to -60 degrees latitude and
+54 to +95 degrees West longitude.

SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT

Fixed Long Map (XLM), Gain 4, Grating Start 0, LPU, JLM240, JLM72

Galileo Activity Plan Form 12/01/00 00:00:00 rev 6/95



165DV:TT= 0 TMC= 1 C= 8.00 XC= 1.20 BS= 0/9589 TC= 1(60 120)
A= 364 pD= 0 SR=17.450 RA50= 45.45 DEC50= 24.40 cone=172.58 clock=111.16
117DV:#SB= 1 OR= 0.020 RR=12.000 BM=F RC= 1 BS= 0/9589
1:#s= 1 Cs= -9.30 XCs= -1.40 Cr= 0.00 XCr= 0.00 sD= 1446 rD= 2

29JNLIMBRT02

DESIGN G3.2 yande:12/21/2000 13:51: 8

FILE:P.29JNLIMBRT02

CENTRAL BODY:JUPITER III

MINI:m.29JNLIMBRT02

S/C EPH:/DATA/NAVIO/001024-tour.NS

PERIAPSIS:

START:JEE 00-364/03:26:38.466 +CDS 633:00:0

OBSERVATION:29JNLIMBRT02

THINNING:NIM 7

BODY PLOT TIME:TARGET-TIME D= 0 S= 2.000

DESCRIP:JUPITER_REALTIME_LIMB_OBSERVATIO

Jupiter R/T Limb Obs	ACTIVITY ID: 29JNLIMBRT02- START TIME: 00-364/14:04:39.132

Activity ID: Orbit 29 Target J Inst N OAPEL LIMBRT SeqNo 02 -

Title	Jupiter R/T Limb Obs			Instrument	NIMS
Requestor	NIMS-AWG/M. SEGURA	Team	NIMS	Working Group	AWG

Time System	CDS	Load ID		Calendar Date	12/29/00	Week	52

Start	JEE+CDS 00000631:00:0	00-364/14:04:39.132	JEE+000/10:38:00.666
End	JEE+CDS 00000641:00:0	00-364/14:14:45.799	JEE+000/10:48:07.333
Duration	00000010:00:0	000/00:10:06.667	000/00:10:06.667

Top Label	29JNLIMBRT02-
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

Real-time observation of Jupiter’s northern limb.

Data Returned

Design Detail

BTG=0.03 R/T LM

Single swath across Jupiter’s northern limb, dayside.

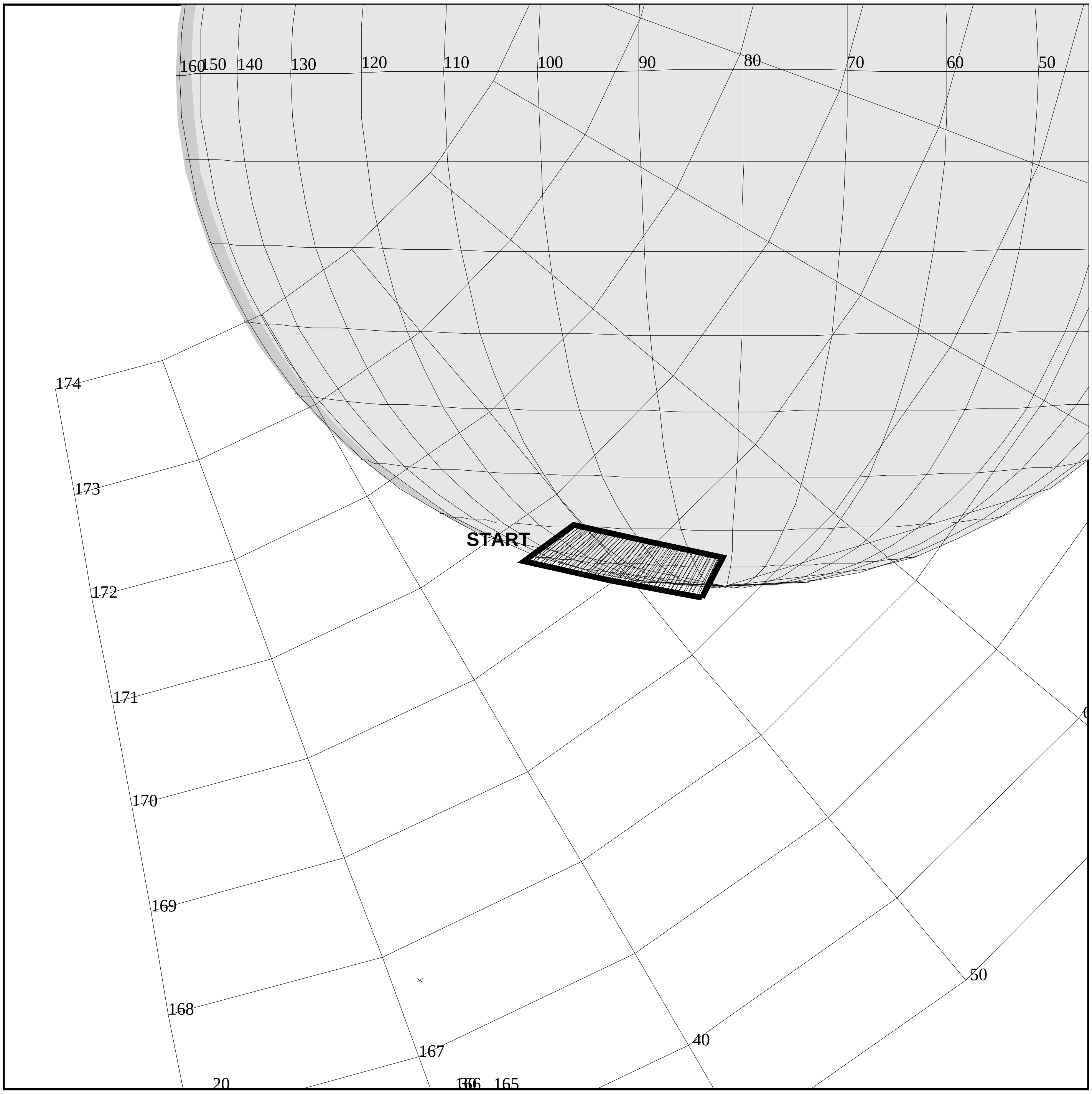
Mosaic covers: +54 to +68 degrees latitude and
+106 to +142 degrees West longitude.

Target centered at +60 degrees latitude, 115 degrees West longitude.

No Mirror Blocking.

SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT

Fixed Long Map (XLM), Gain 4, Grating Start 0, R/T, JLM80



165DX:TT=   0 TMC= 1 C=   13.00 XC=   -7.00 BS= 0/7779 TC= 1(-80   150   )
A= 728 pD=   0 SR=17.450 RA50= 49.71 DEC50= 16.40 cone=170.67 clock= 47.72
117DX:#SB= 1 OR= 0.080 RR=12.000 BM=F RC= 1 BS= 0/7779
1:#s= 1 Cs= -13.60 XCs=   9.90 Cr=   0.00 XCr=   0.00 sD= 2174 rD=   2

29JNAURORA03

DESIGN G3.2 yande:11/16/2000 15:46:33

FILE:P.29JNAURORA03

CENTRAL BODY:JUPITER III

MINI:m.29JNAURORA03

S/C EPH:/DATA/NAVIO/001024-tour.NS

PERIAPSIS:

START:JEE 00-364/03:26:38.466   +CDS 678:00:0

OBSERVATION:29JNAURORA03

THINNING:NIM   2

BODY PLOT TIME:TARGET-TIME D=   0 S= 1.000

DESCRIP:JUPITER_AURORA_OBSERVATION

Jupiter Aurora Obs	ACTIVITY ID: 29JNAURORA03- START TIME: 00-364/14:50:09.132

Activity ID: Orbit 29 Target J Inst N OAPEL AURORA SeqNo 03 -

Title	Jupiter Aurora Obs			Instrument	NIMS
Requestor	NIMS-AWG/M. SEGURA	Team	NIMS	Working Group	AWG

Time System CDS Load ID Calendar Date 12/29/00 Week 52

Start	JEE+CDS 00000676:00:0	00-364/14:50:09.132	JEE+000/11:23:30.666
End	JEE+CDS 00000690:00:0	00-364/15:04:18.466	JEE+000/11:37:40.000
Duration	00000014:00:0	000/00:14:09.334	000/00:14:09.334

Top Label 29JNAURORA03-
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

1 of 10 Jupiter Aurora maps of the southern aurora region.
The set of 10 will map out all 360 degrees longitude of Jupiter's southern Aurora region over 1 Jupiter rotation (about 10 hours).

Data Returned

Design Detail

BTG=0.48 MB, TICS=187, FMT=LPU, LM

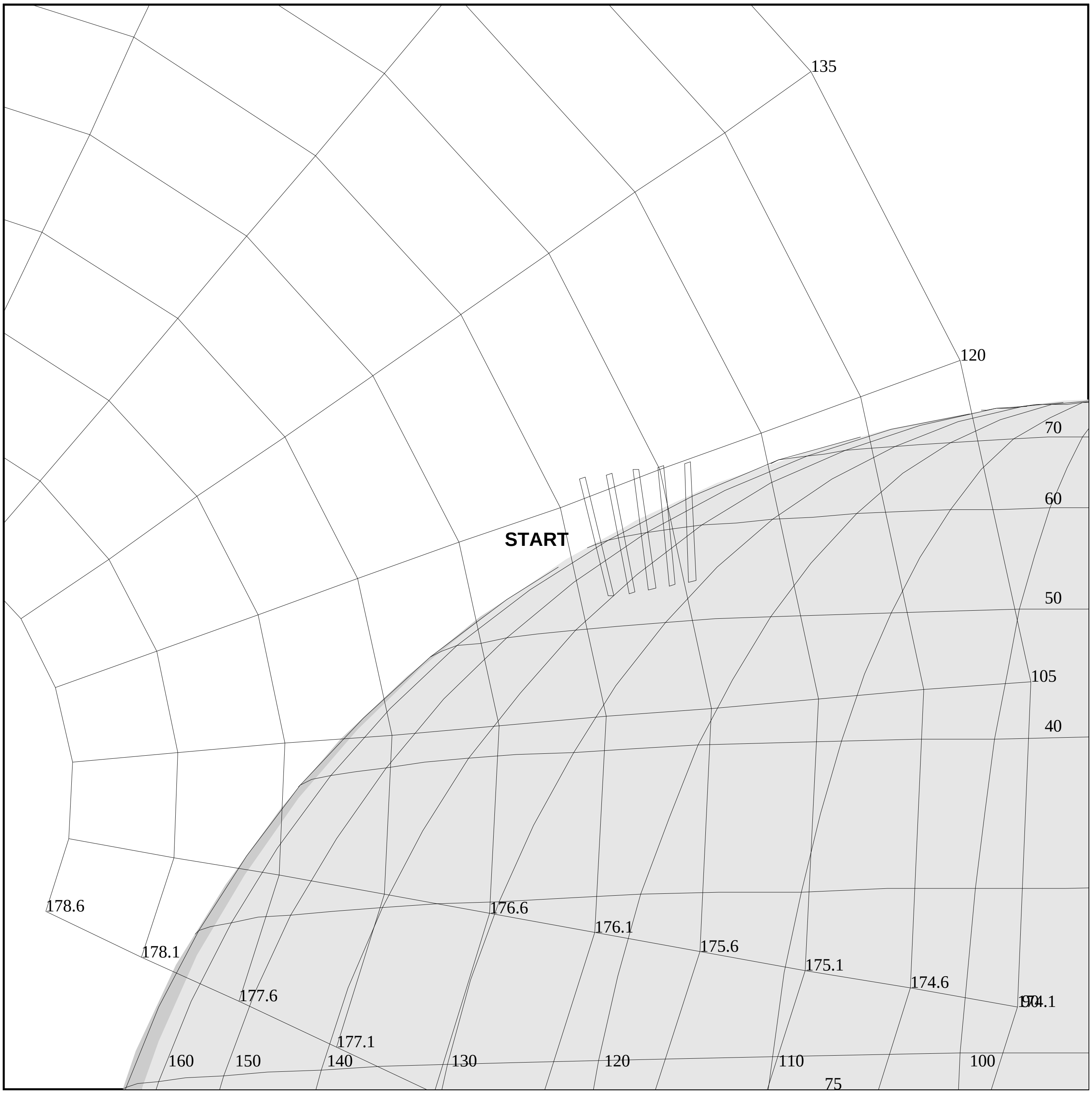
Single swath over the southern aurora region, dayside.

Mosaic covers: -90 to -60 degrees latitude and
+88 to +126 degrees West longitude.

SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT

Fixed Long Map (XLM), Gain 4, Grating Start 0, LPU, JLM240, JLM72

Galileo Activity Plan Form 12/01/00 00:00:00 rev 6/95



165DY:TT= 0 TMC= 1 C= 8.00 XC= 1.50 BS= 0/0509 TC= 1(60 150)
A= 364 pD= 0 SR=17.450 RA50= 49.45 DEC50= 25.18 cone=176.24 clock=117.70
117DY:#SB= 1 OR= 0.020 RR=12.000 BM=F RC= 1 BS= 0/0509
1:#s= 1 Cs= -9.50 XCs= -0.80 Cr= 0.00 XCr= 0.00 sD= 1446 rD= 2

29JNLIMBRT03

DESIGN G3.2 yande:12/21/2000 13:51:17

FILE:P.29JNLIMBRT03

CENTRAL BODY:JUPITER III

MINI:m.29JNLIMBRT03

S/C EPH:/DATA/NAVIO/001024-tour.NS

PERIAPSIS:

START:JEE 00-364/03:26:38.466 +CDS 693:00:0

OBSERVATION:29JNLIMBRT03

THINNING:NIM 7

BODY PLOT TIME:TARGET-TIME D= 0 S= 2.000

DESCRIP:JUPITER_REALTIME_LIMB_OBSERVATIO

Jupiter R/T Limb Obs	ACTIVITY ID: 29JNLIMBRT03- START TIME: 00-364/15:05:19.132

Activity ID: Orbit 29 Target J Inst N OAPEL LIMBRT SeqNo 03 -

Title	Jupiter R/T Limb Obs			Instrument	NIMS
Requestor	NIMS-AWG/M. SEGURA	Team	NIMS	Working Group	AWG

Time System	CDS	Load ID		Calendar Date 12/29/00	Week 52

Start	JEE+CDS 00000691:00:0	00-364/15:05:19.132	JEE+000/11:38:40.666
End	JEE+CDS 00000701:00:0	00-364/15:15:25.799	JEE+000/11:48:47.333
Duration	00000010:00:0	000/00:10:06.667	000/00:10:06.667

Top Label	29JNLIMBRT03-
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

Real-time observation of Jupiter’s northern limb.

Data Returned

Design Detail

BTG=0.03 R/T LM

Single swath across Jupiter’s northern limb, dayside.

Mosaic covers: +54 to +68 degrees latitude and
+141 to +175 degrees West longitude.

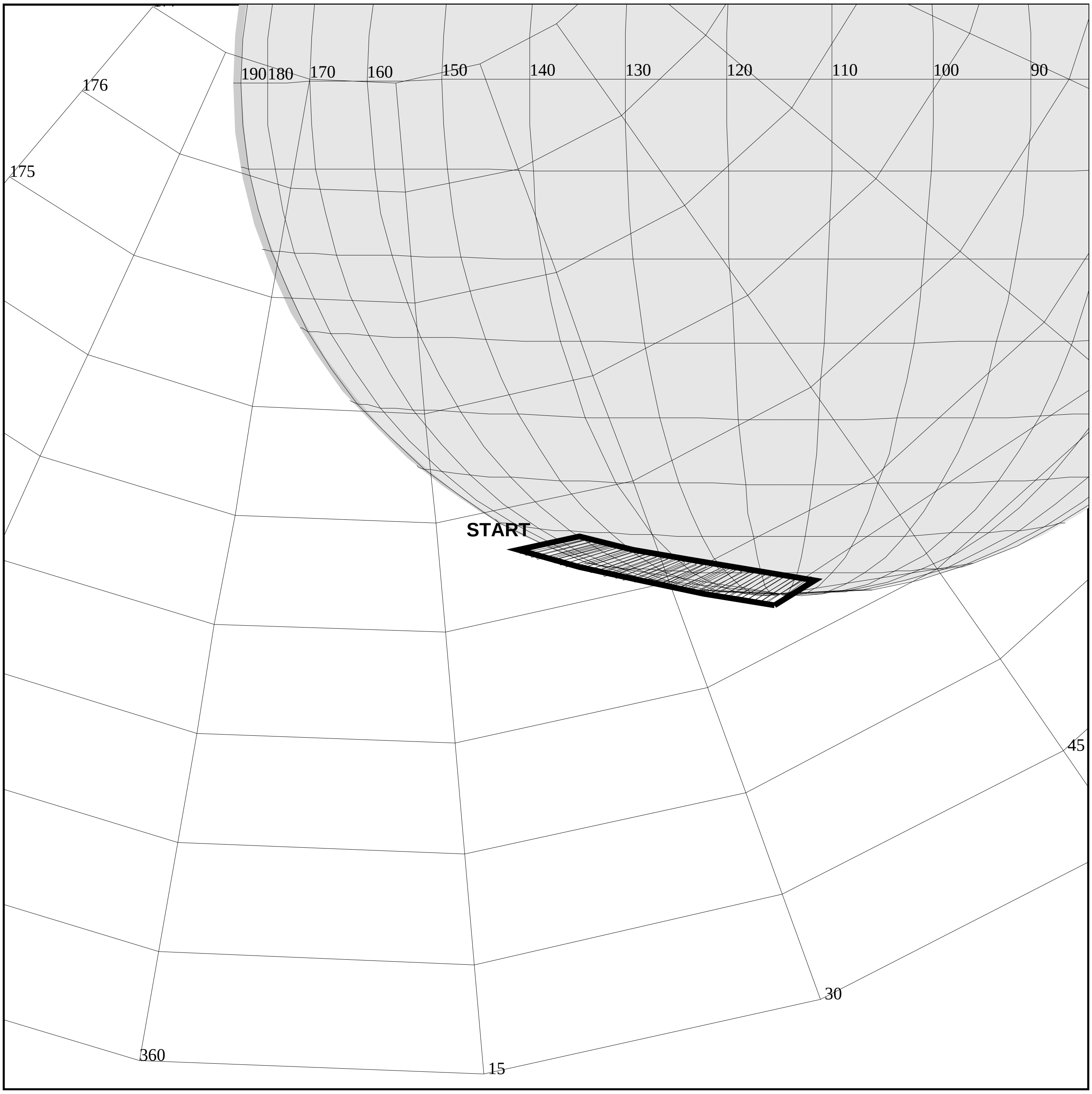
Target centered at +60 degrees latitude, 145 degrees West longitude.

No Mirror Blocking.

SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT

Fixed Long Map (XLM), Gain 4, Grating Start 0, R/T, JLM80

Galileo Activity Plan Form 12/01/00 00:00:00 rev 6/95



165DZ:TT= 0 TMC= 1 C= 15.50 XC= -25.00 BS= 0/8699 TC= 1(-80 150)
A= 728 pD= 0 SR=17.450 RA50= 53.76 DEC50= 17.65 cone=172.65 clock= 22.88
117DZ:#SB= 1 OR= 0.250 RR=12.000 BM=F RC= 1 BS= 0/8699
1:#s= 1 Cs= -13.00 XCs= 25.80 Cr= 0.00 XCr= 0.00 sD= 2174 rD= 2

29JNAURORA04

DESIGN G3.2 yande:11/16/2000 15:38: 8

FILE:P.29JNAURORA04

CENTRAL BODY:JUPITER III

MINI:m.29JNAURORA04

S/C EPH:/DATA/NAVIO/001024-tour.NS

PERIAPSIS:

THINNING:NIM 2

START:JEE 00-364/03:26:38.466 +CDS 738:00:0

BODY PLOT TIME:TARGET-TIME D= 0 S= 1.000

OBSERVATION:29JNAURORA04

DESCRIP:JUPITER_AURORA_OBSERVATION

Jupiter Aurora Obs	ACTIVITY ID: 29JNAURORA04- START TIME: 00-364/15:50:49.132

Activity ID: Orbit 29 Target J Inst N OAPEL AURORA SeqNo 04 -

Title	Jupiter Aurora Obs			Instrument	NIMS
Requestor	NIMS-AWG/M. SEGURA	Team	NIMS	Working Group	AWG

Time System	CDS	Load ID		Calendar Date	12/29/00	Week	52

Start	JEE+CDS 00000736:00:0	00-364/15:50:49.132	JEE+000/12:24:10.666
End	JEE+CDS 00000750:00:0	00-364/16:04:58.466	JEE+000/12:38:20.000
Duration	00000014:00:0	000/00:14:09.334	000/00:14:09.334

Top Label 29JNAURORA04-
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

1 of 10 Jupiter Aurora maps of the southern aurora region.
The set of 10 will map out all 360 degrees longitude of Jupiter’s southern Aurora region over 1 Jupiter rotation (about 10 hours).

Data Returned

Design Detail

BTG=0.48 MB, TICS=187, FMT=LPU, LM

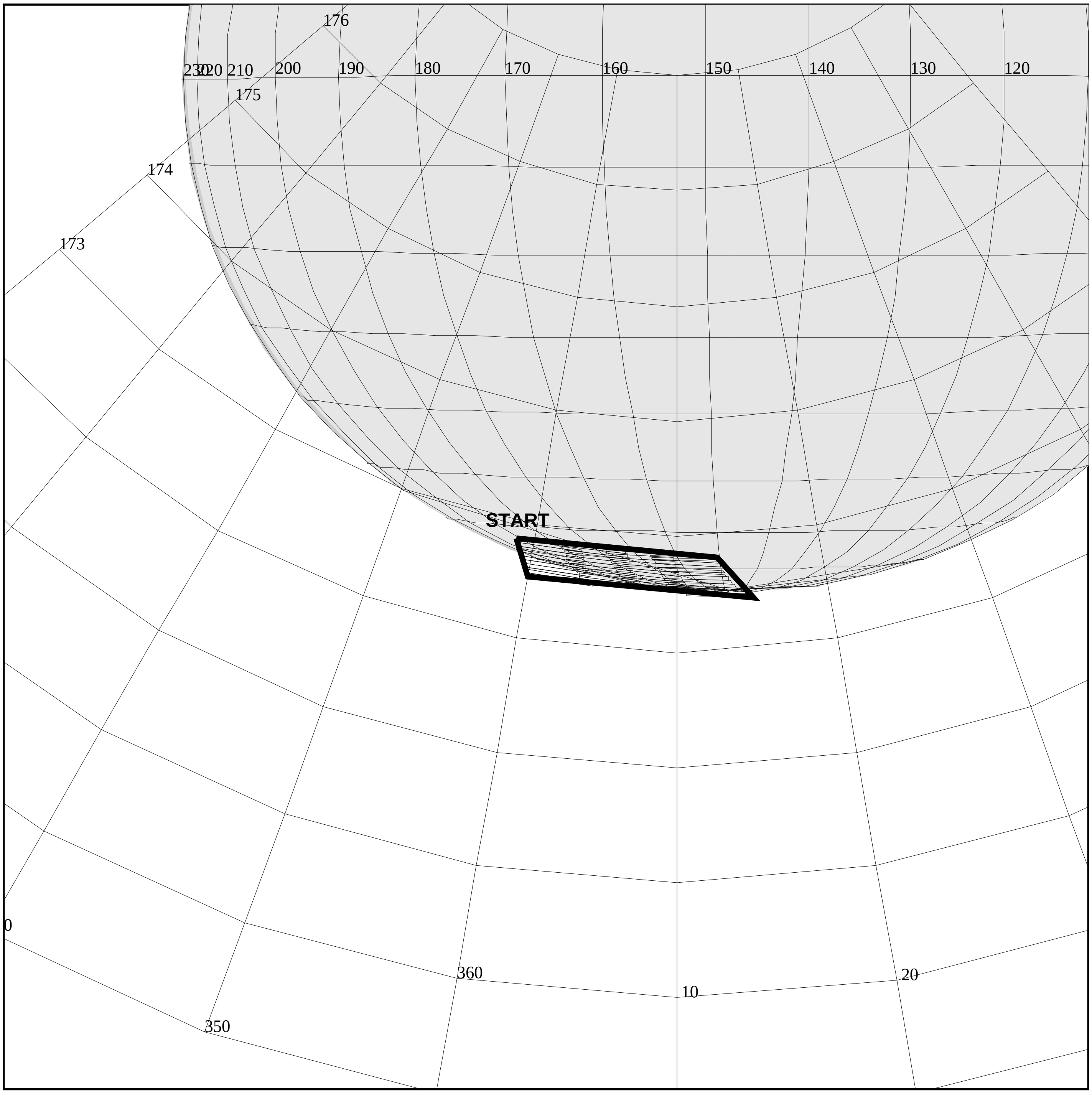
Single swath over the southern aurora region, dayside.

Mosaic covers: -90 to -60 degrees latitude and
+110 to +181 degrees West longitude.

SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT

Fixed Long Map (XLM), Gain 4, Grating Start 0, LPU, JLM240, JLM72

Galileo Activity Plan Form 12/01/00 00:00:00 rev 6/95



165EB:TT= 0 TMC= 1 C= 5.00 XC= -20.00 BS= 0/9437 TC= 1(-80 180)
A= 728 pD= 0 SR=17.450 RA50= 56.55 DEC50= 18.39 cone=172.85 clock= 1.02
117EB:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/9437
1:#s= 4 Cs= -5.40 XCs= 0.00 Cr= 5.60 XCr= 5.00 sD= 552 rD= 50

29JNAURORA05

DESIGN G3.2 yande:11/16/2000 15:27:44

FILE:P.29JNAURORA05

CENTRAL BODY:JUPITER III

MINI:m.29JNAURORA05

S/C EPH:/DATA/NAVIO/001024-tour.NS

PERIAPSIS:

START:JEE 00-364/03:26:38.466 +CDS 797:00:0

OBSERVATION:29JNAURORA05

THINNING:NIM 2

BODY PLOT TIME:TARGET-TIME D= 0 S= 1.000

DESCRIP:JUPITER_AURORA_OBSERVATION

Jupiter Aurora Obs		ACTIVITY ID:	29JNAURORA05-
		START TIME:	00-364/16:51:29.132

Activity ID: Orbit 29 Target J Inst N OAPEL AURORA SeqNo 05 -

Title	Jupiter Aurora Obs			Instrument	NIMS
Requestor	NIMS-AWG/M. SEGURA	Team	NIMS	Working Group	AWG

Time System CDS Load ID Calendar Date 12/29/00 Week 52

Start	JEE+CDS 00000796:00:0	00-364/16:51:29.132	JEE+000/13:24:50.666
End	JEE+CDS 00000810:00:0	00-364/17:05:38.466	JEE+000/13:39:00.000
Duration	00000014:00:0	000/00:14:09.334	000/00:14:09.334

Top Label 29JNAURORA05-
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

1 of 10 Jupiter Aurora maps of the southern aurora region.
The set of 10 will map out all 360 degrees longitude of Jupiter’s southern Aurora region over 1 Jupiter rotation (about 10 hours).

Data Returned

Design Detail

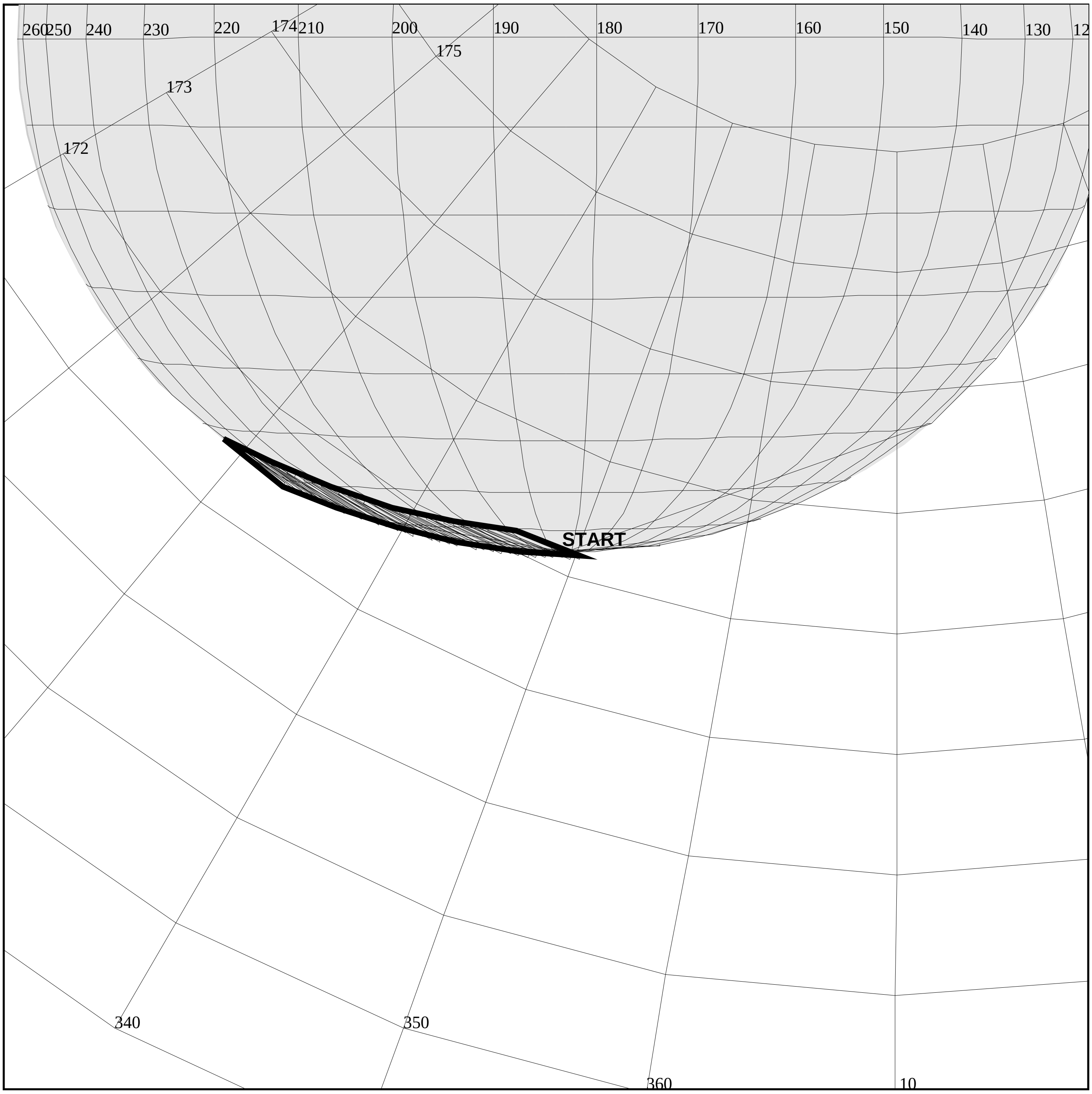
BTG=0.48 MB, TICS=187, FMT=LPU, LM

Four swath mosaic over the southern aurora region, dayside.
Mosaic split into 4 N/S swaths due to cone pole problems.
Mosaic covers: -90 to -60 degrees latitude and
+150 to +210 degrees West longitude.

SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT

Fixed Long Map (XLM), Gain 4, Grating Start 0, LPU, JLM240, JLM72

Galileo Activity Plan Form 12/01/00 00:00:00 rev 6/95



165ED:TT= 0 TMC= 1 C= 4.00 XC= 15.00 BS= 0/0903 TC= 1(-70 220)
A= 524 pD= 0 SR=17.450 RA50= 58.42 DEC50= 18.59 cone=172.18 clock=348.22
117ED:#SB= 1 OR= 0.580 RR=12.000 BM=F RC= 1 BS= 0/0903
1:#s= 1 Cs= -7.20 XCs= -48.80 Cr= 7.00 XCr= 5.50 sD= 1810 rD= 50

29JNAURORA06

DESIGN G3.2 yande:11/16/2000 15:22:36

FILE:P.29JNAURORA06

CENTRAL BODY:JUPITER III

MINI:m.29JNAURORA06

S/C EPH:/DATA/NAVIO/001024-tour.NS

PERIAPSIS:

START:JEE 00-364/03:26:38.466 +CDS 860:00:0

OBSERVATION:29JNAURORA06

THINNING:NIM 2

BODY PLOT TIME:TARGET-TIME D= 0 S= 1.000

DESCRIP:JUPITER_AURORA_OBSERVATION

Jupiter Aurora Obs	ACTIVITY ID: 29JNAURORA06- START TIME: 00-364/17:52:09.132

Activity ID: Orbit 29 Target J Inst N OAPEL AURORA SeqNo 06 -

Title	Jupiter Aurora Obs			Instrument	NIMS
Requestor	NIMS-AWG/M. SEGURA	Team	NIMS	Working Group	AWG

Time System CDS Load ID Calendar Date 12/29/00 Week 52

Start	JEE+CDS 00000856:00:0	00-364/17:52:09.132	JEE+000/14:25:30.666
End	JEE+CDS 00000870:00:0	00-364/18:06:18.466	JEE+000/14:39:40.000
Duration	00000014:00:0	000/00:14:09.334	000/00:14:09.334

Top Label 29JNAURORA06-
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

1 of 10 Jupiter Aurora maps of the southern aurora region.
The set of 10 will map out all 360 degrees longitude of Jupiter’s southern Aurora region over 1 Jupiter rotation (about 10 hours).

Data Returned

Design Detail

BTG=0.48 MB, TICS=187, FMT=LPU, LM

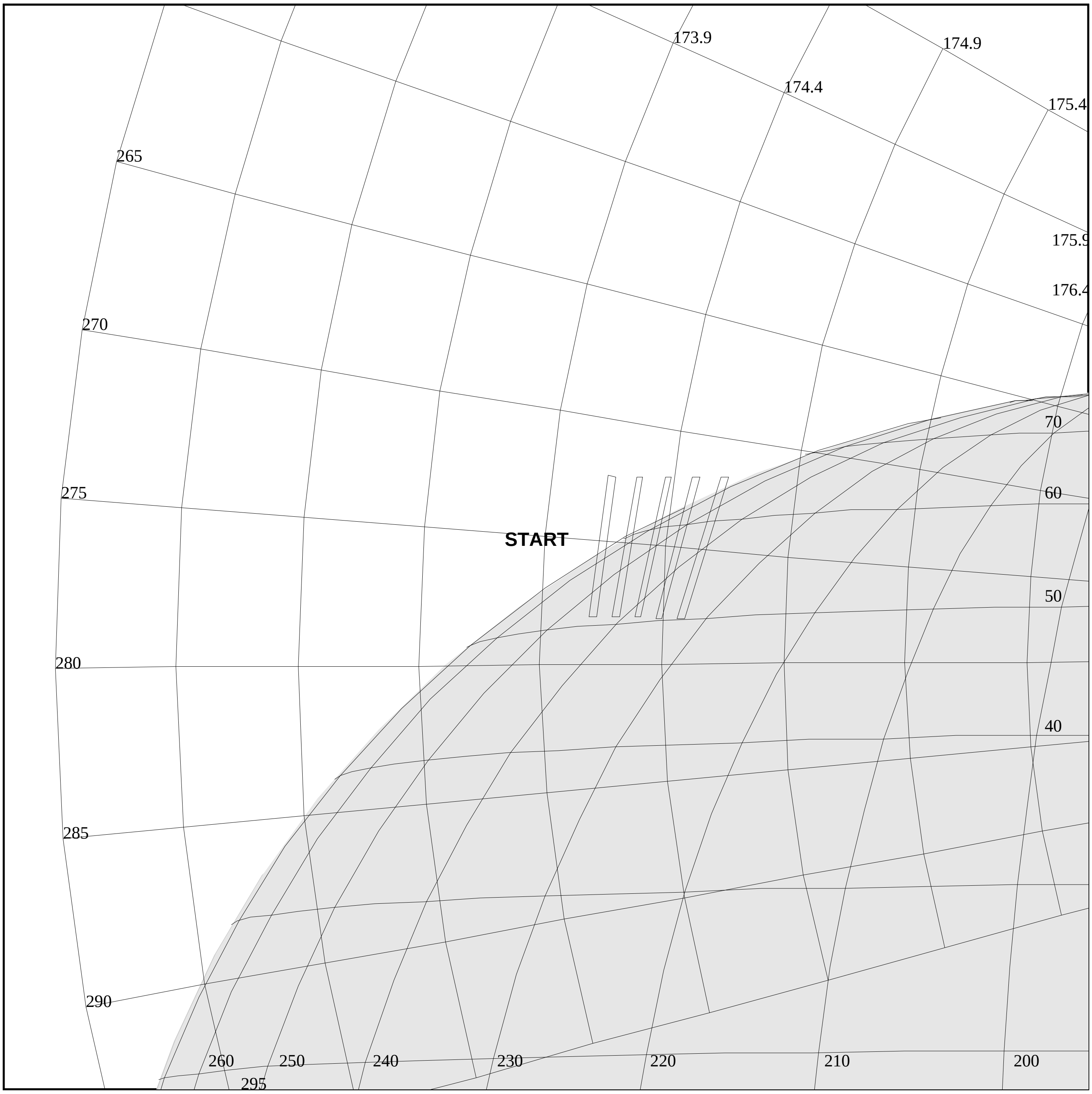
Single swath over the southern aurora region, dayside.

Mosaic covers: -90 to -60 degrees latitude and
+191 to +264 degrees West longitude.

SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT

Fixed Long Map (XLM), Gain 4, Grating Start 0, LPU, JLM240, JLM72

Galileo Activity Plan Form 12/01/00 00:00:00 rev 6/95



165EE:TT= 0 TMC= 1 C= -7.00 XC= 1.50 BS= 0/3269 TC= 1(60 260)
A= 364 pD= 0 SR=17.450 RA50= 60.00 DEC50= 26.81 cone=173.96 clock=275.28
117EE:#SB= 1 OR= 0.020 RR=12.000 BM=F RC= 1 BS= 0/3269
1:#s= 1 Cs= 9.50 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 1446 rD= 2

29JNLIMBRT06

DESIGN G3.2 yande:12/21/2000 13:51:31

FILE:P.29JNLIMBRT06

CENTRAL BODY:JUPITER III

MINI:m.29JNLIMBRT06

S/C EPH:/DATA/NAVIO/001024-tour.NS

PERIAPSIS:

START:JEE 00-364/03:26:38.466 +CDS 873:00:0

OBSERVATION:29JNLIMBRT06

THINNING:NIM 7

BODY PLOT TIME:TARGET-TIME D= 0 S= 2.000

DESCRIP:JUPITER_REALTIME_LIMB_OBSERVATIO

Jupiter R/T Limb Obs		ACTIVITY ID:	29JNLIMBRT06-
		START TIME:	00-364/18:07:19.132

Activity ID: Orbit 29 Target J Inst N OAPEL LIMBRT SeqNo 06 -

Title	Jupiter R/T Limb Obs			Instrument	NIMS
Requestor	NIMS-AWG/M. SEGURA	Team	NIMS	Working Group	AWG

Time System	CDS	Load ID		Calendar Date	12/29/00	Week	52

Start	JEE+CDS 00000871:00:0	00-364/18:07:19.132	JEE+000/14:40:40.666
End	JEE+CDS 00000881:00:0	00-364/18:17:25.799	JEE+000/14:50:47.333
Duration	00000010:00:0	000/00:10:06.667	000/00:10:06.667

Top Label	29JNLIMBRT06-
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

Real-time observation of Jupiter's northern limb.

Data Returned

Design Detail

BTG=0.03 R/T LM

Single swath across Jupiter's northern limb, dayside.

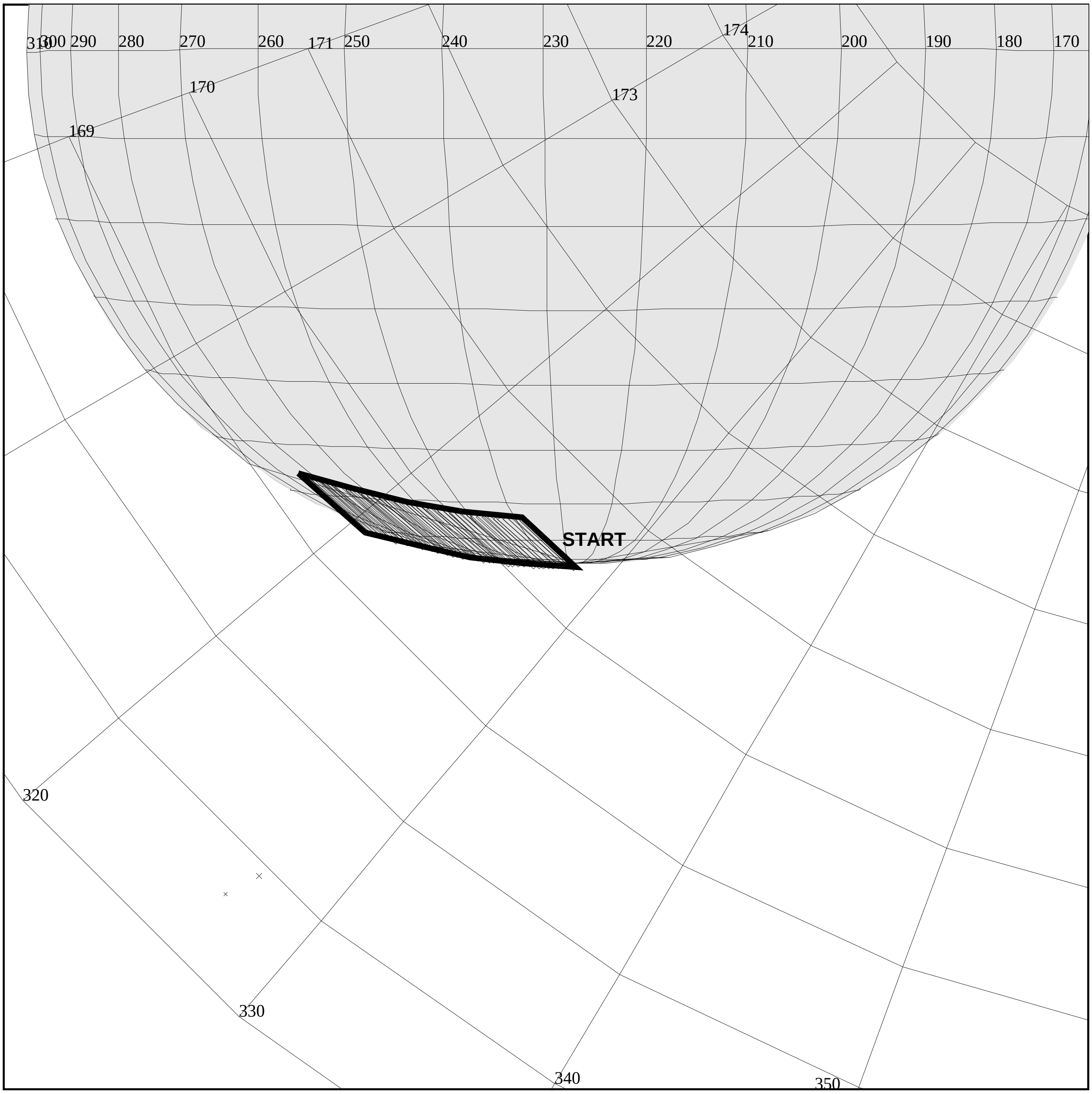
Mosaic covers: +54 to +68 degrees latitude and
                +237 to +276 degrees West longitude.

Target centered at +60 degrees latitude, 245 degrees West longitude.

No Mirror Blocking.

SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT

Fixed Long Map (XLM), Gain 4, Grating Start 0, R/T, JLM80



165EF:TT= 0 TMC= 1 C= 7.50 XC= 9.00 BS= 0/5099 TC= 1(-70 260)
A= 728 pD= 0 SR=17.450 RA50= 62.16 DEC50= 19.57 cone=170.40 clock=326.80
117EF:#SB= 1 OR= 0.220 RR=12.000 BM=F RC= 1 BS= 0/5099
1:#s= 1 Cs= -21.00 XCs= -31.00 Cr= 0.00 XCr= 0.00 sD= 2174 rD= 2

29JNAURORA07

DESIGN G3.2 yande:11/16/2000 15:15:18

FILE:P.29JNAURORA07

CENTRAL BODY:JUPITER III

MINI:m.29JNAURORA07

S/C EPH:/DATA/NAVIO/001024-tour.NS

PERIAPSIS:

THINNING:NIM 2

START:JEE 00-364/03:26:38.466 +CDS 938:00:0

BODY PLOT TIME:TARGET-TIME D= 0 S= 1.000

OBSERVATION:29JNAURORA07

DESCRIP:JUPITER_AURORA_OBSERVATION

Jupiter Aurora Obs	ACTIVITY ID: 29JNAURORA07- START TIME: 00-364/19:13:02.466

Activity ID: Orbit 29 Target J Inst N OAPEL AURORA SeqNo 07 -

Title	Jupiter Aurora Obs			Instrument	NIMS
Requestor	NIMS-AWG/M. SEGURA	Team	NIMS	Working Group	AWG

Time System	CDS	Load ID		Calendar Date	12/29/00	Week 52

Start	JEE+CDS 00000936:00:0	00-364/19:13:02.466	JEE+000/15:46:24.000
End	JEE+CDS 00000950:00:0	00-364/19:27:11.799	JEE+000/16:00:33.333
Duration	00000014:00:0	000/00:14:09.333	000/00:14:09.333

Top Label	29JNAURORA07-
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

1 of 10 Jupiter Aurora maps of the southern aurora region.
The set of 10 will map out all 360 degrees longitude of Jupiter’s southern Aurora region over 1 Jupiter rotation (about 10 hours).

Data Returned

Design Detail

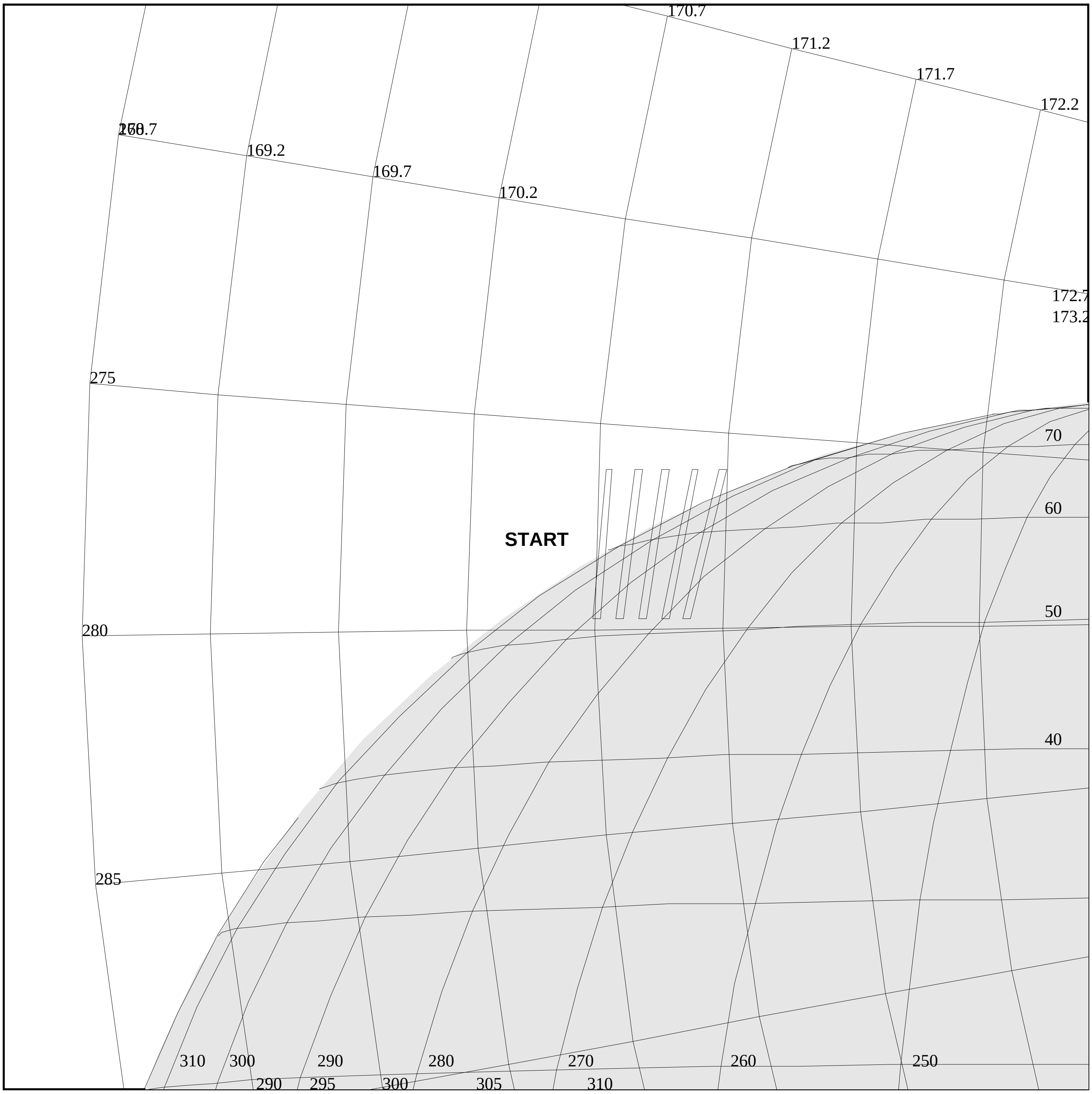
BTG=0.48 MB, TICS=187, FMT=LPU, LM

Single swath over the southern aurora region, dayside.

Mosaic covers: -90 to -60 degrees latitude and
+235 to +290 degrees West longitude.

SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT

Fixed Long Map (XLM), Gain 4, Grating Start 0, LPU, JLM240, JLM72



165EG:TT= 0 TMC= 1 C= -7.00 XC= 0.50 BS= 0/7829 TC= 1(60 300)
A= 364 pD= 0 SR=17.450 RA50= 63.82 DEC50= 27.27 cone=170.55 clock=277.96
117EG:#SB= 1 OR= 0.020 RR=12.000 BM=F RC= 1 BS= 0/7829
1:#s= 1 Cs= 9.50 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 1446 rD= 2

29JNLIMBRT07

DESIGN G3.2 yande:12/21/2000 13:51:39

FILE:P.29JNLIMBRT07

CENTRAL BODY:JUPITER III

MINI:m.29JNLIMBRT07

S/C EPH:/DATA/NAVIO/001024-tour.NS

PERIAPSIS:

START:JEE 00-364/03:26:38.466 +CDS 953:00:0

OBSERVATION:29JNLIMBRT07

THINNING:NIM 7

BODY PLOT TIME:TARGET-TIME D= 0 S= 2.000

DESCRIP:JUPITER_REALTIME_LIMB_OBSERVATIO

Jupiter R/T Limb Obs	ACTIVITY ID: 29JNLIMBRT07- START TIME: 00-364/19:28:12.466

Activity ID: Orbit 29 Target J Inst N OAPEL LIMBRT SeqNo 07 -

Title	Jupiter R/T Limb Obs			Instrument	NIMS
Requestor	NIMS-AWG/M. SEGURA	Team	NIMS	Working Group	AWG

Time System CDS Load ID Calendar Date 12/29/00 Week 52

Start	JEE+CDS 00000951:00:0	00-364/19:28:12.466	JEE+000/16:01:34.000
End	JEE+CDS 00000961:00:0	00-364/19:38:19.132	JEE+000/16:11:40.666
Duration	00000010:00:0	000/00:10:06.666	000/00:10:06.666

Top Label 29JNLIMBRT07-
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

Real-time observation of Jupiter’s northern limb.

Data Returned

Design Detail

BTG=0.03 R/T LM

Single swath across Jupiter’s northern limb, dayside.

Mosaic covers: +54 to +68 degrees latitude and
+283 to +322 degrees West longitude.

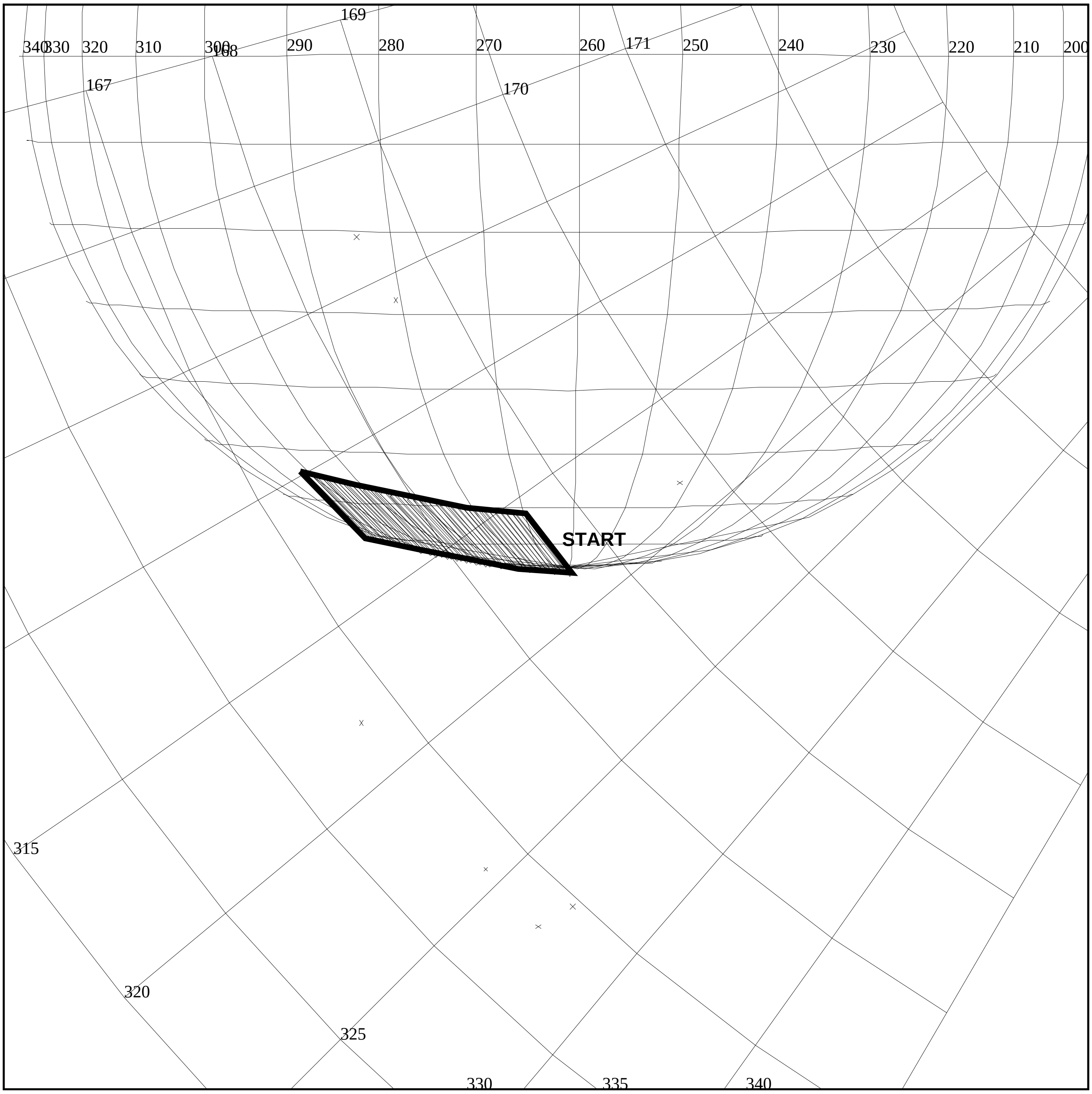
Target centered at +60 degrees latitude, 295 degrees West longitude.

No Mirror Blocking.

SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT

Fixed Long Map (XLM), Gain 4, Grating Start 0, R/T, JLM80

Galileo Activity Plan Form 12/01/00 00:00:00 rev 6/95



165EH:TT= 0 TMC= 1 C= 9.50 XC= 10.00 BS= 0/6019 TC= 1(-65 290)
A= 728 pD= 0 SR=17.450 RA50= 64.72 DEC50= 20.16 cone=168.65 clock=317.09
117EH:#SB= 1 OR= 0.160 RR=12.000 BM=F RC= 1 BS= 0/6019
1:#s= 1 Cs= -24.70 XCs= -25.70 Cr= 6.00 XCr= 12.50 sD= 2182 rD= 54

29JNAURORA08

DESIGN G3.2 yande:11/16/2000 15:11:50

FILE:P.29JNAURORA08

CENTRAL BODY:JUPITER III

MINI:m.29JNAURORA08

S/C EPH:/DATA/NAVIO/001024-tour.NS

PERIAPSIS:

START:JEE 00-364/03:26:38.466 +CDS 998:00:0

OBSERVATION:29JNAURORA08

THINNING:NIM 2

BODY PLOT TIME:TARGET-TIME D= 0 S= 1.000

DESCRIP:JUPITER_AURORA_OBSERVATION

Jupiter Aurora Obs	ACTIVITY ID: 29JNAURORA08- START TIME: 00-364/20:13:42.466

Activity ID: Orbit 29 Target J Inst N OAPEL AURORA SeqNo 08 -

Title	Jupiter Aurora Obs			Instrument	NIMS
Requestor	NIMS-AWG/M. SEGURA	Team	NIMS	Working Group	AWG

Time System	CDS	Load ID		Calendar Date	12/29/00	Week	52

Start	JEE+CDS 00000996:00:0	00-364/20:13:42.466	JEE+000/16:47:04.000
End	JEE+CDS 00001010:00:0	00-364/20:27:51.799	JEE+000/17:01:13.333
Duration	00000014:00:0	000/00:14:09.333	000/00:14:09.333

Top Label	29JNAURORA08-
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

1 of 10 Jupiter Aurora maps of the southern aurora region.
The set of 10 will map out all 360 degrees longitude of Jupiter's southern Aurora region over 1 Jupiter rotation (about 10 hours).

Data Returned

Design Detail

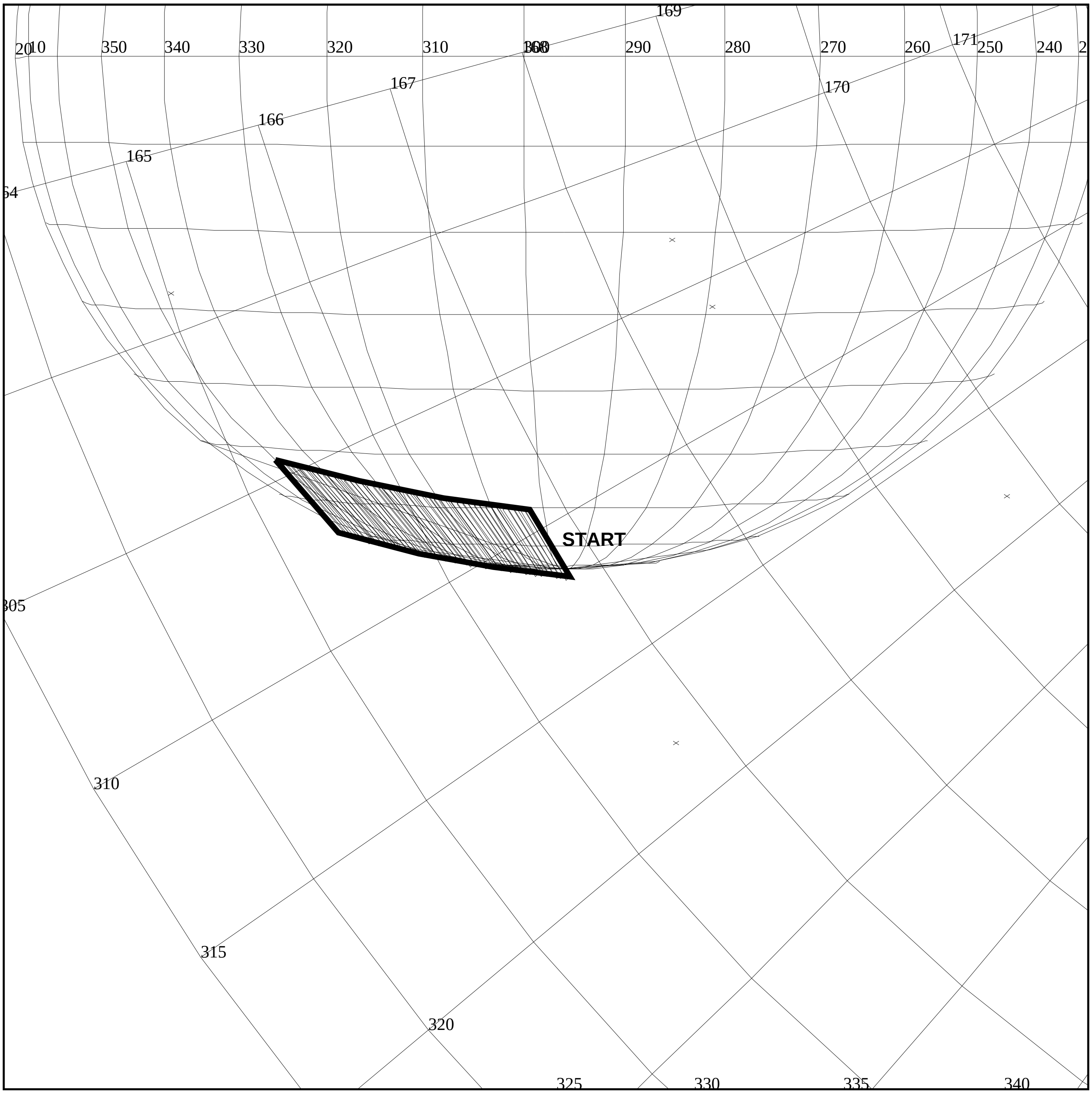
BTG=0.48 MB, TICS=187, FMT=LPU, LM

Single swath over the southern aurora region, dayside.

Mosaic covers: -90 to -60 degrees latitude and
+267 to +318 degrees West longitude.

SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT

Fixed Long Map (XLM), Gain 4, Grating Start 0, LPU, JLM240, JLM72



165EK:TT= 0 TMC= 1 C= 13.50 XC= 12.00 BS= 0/7121 TC= 1(-62.5 330)
A= 728 pD= 0 SR=17.450 RA50= 67.17 DEC50= 20.65 cone=166.76 clock=310.52
117EK:#SB= 1 OR= 0.120 RR=12.000 BM=F RC= 1 BS= 0/7121
1:#s= 1 Cs= -28.80 XCs= -24.30 Cr= 8.50 XCr= 13.00 sD= 2364 rD= 52

29JNAURORA09

DESIGN G3.2 yande:11/27/2000 11: 4:26

FILE:P.29JNAURORA09

CENTRAL BODY:JUPITER III

MINI:m.29JNAURORA09

S/C EPH:/DATA/NAVIO/001024-tour.NS

PERIAPSIS: | **THINNING:NIM 2**

START:JEE 00-364/03:26:38.466 +CDS 1059:00:0 | **BODY PLOT TIME:TARGET-TIME D= 0 S= 1.000**

OBSERVATION:29JNAURORA09 | **DESCRIP:JUPITER_AURORA_OBSERVATION**

Jupiter Aurora Obs	ACTIVITY ID: 29JNAURORA09- START TIME: 00-364/21:14:22.466

Activity ID: Orbit 29 Target J Inst N OAPEL AURORA SeqNo 09 -

Title	Jupiter Aurora Obs			Instrument	NIMS
Requestor	NIMS-AWG/M. SEGURA	Team	NIMS	Working Group	AWG

Time System	CDS	Load ID		Calendar Date	12/29/00	Week	52

Start	JEE+CDS 00001056:00:0	00-364/21:14:22.466	JEE+000/17:47:44.000
End	JEE+CDS 00001070:00:0	00-364/20:28:31.799	JEE+000/18:01:53.333
Duration	00000014:00:0	000/00:14:09.333	000/00:14:09.333

Top Label 29JNAURORA09-
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

1 of 10 Jupiter Aurora maps of the southern aurora region.
The set of 10 will map out all 360 degrees longitude of Jupiter’s southern Aurora region over 1 Jupiter rotation (about 10 hours).

Data Returned

Design Detail

BTG=0.48 MB, TICS=187, FMT=LPU, LM

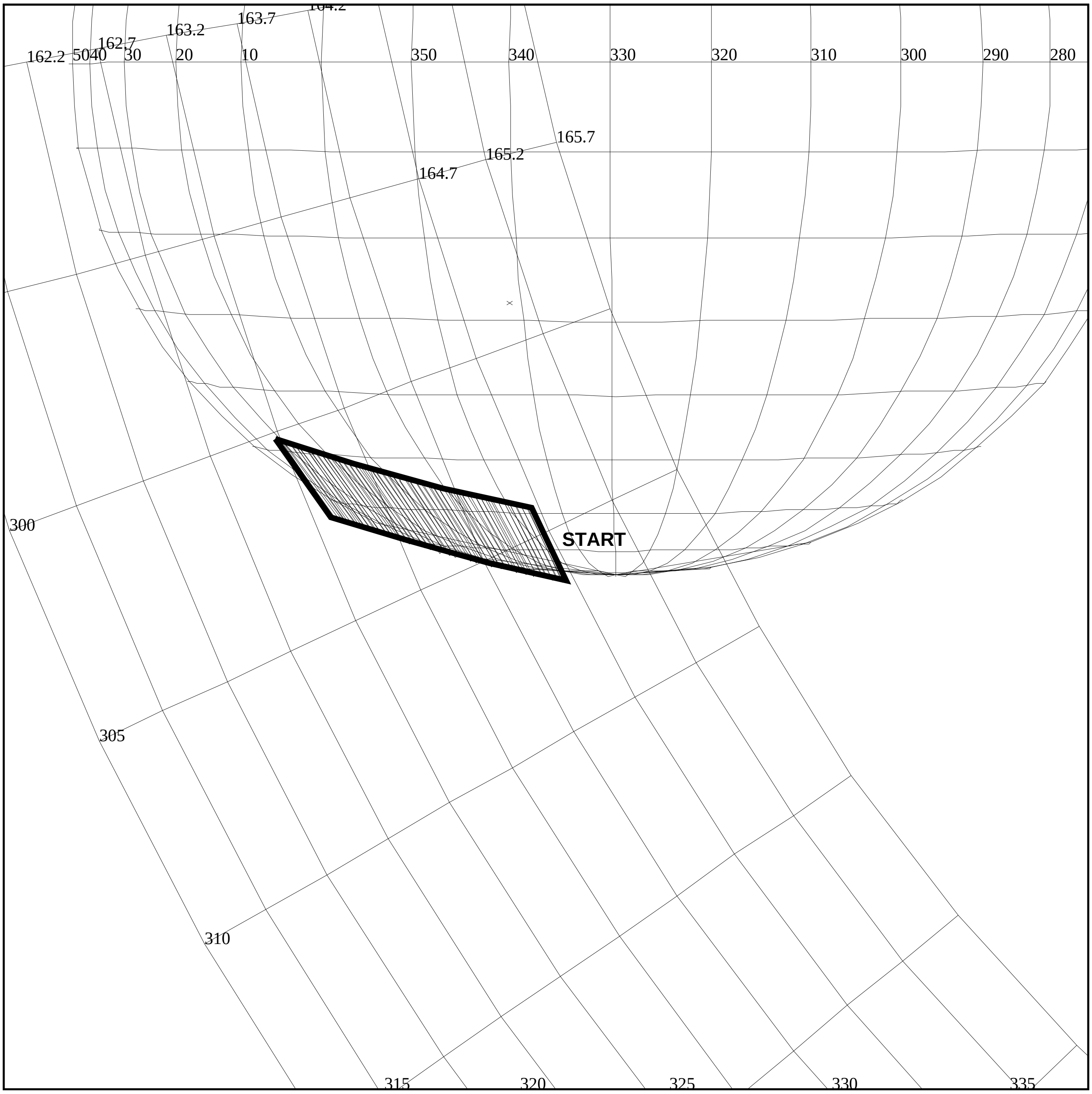
Single swath over the southern aurora region, dayside.

Mosaic covers: -90 to -60 degrees latitude and
+300 to +357 degrees West longitude.

SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT

Fixed Long Map (XLM), Gain 4, Grating Start 0, LPU, JLM240, JLM72

Galileo Activity Plan Form 12/01/00 00:00:00 rev 6/95



165EL:TT= 0 TMC= 1 C= 7.50 XC= 8.00 BS= 0/7677 TC= 1(-60 360)
A= 728 pD= 0 SR=17.450 RA50= 69.78 DEC50= 21.14 cone=164.63 clock=305.33
117EL:#SB= 1 OR= 0.090 RR=12.000 BM=F RC= 1 BS= 0/7677
1:#s= 1 Cs= -29.00 XCs= -23.00 Cr= 0.00 XCr= 0.00 sD= 2356 rD= 2

29JNAURORA10

DESIGN G3.2 yande:11/16/2000 15: 9: 5

FILE:P.29JNAURORA10

CENTRAL BODY:JUPITER III

MINI:m.29JNAURORA10

S/C EPH:/DATA/NAVIO/001024-tour.NS

PERIAPSIS:

THINNING:NIM 2

START:JEE 00-364/03:26:38.466 +CDS 1117:00:0

BODY PLOT TIME:TARGET-TIME D= 0 S= 1.000

OBSERVATION:29JNAURORA10

DESCRIP:JUPITER_AURORA_OBSERVATION

Jupiter Aurora Obs	ACTIVITY ID: 29JNAURORA10- START TIME: 00-364/22:15:02.466

Activity ID: Orbit 29 Target J Inst N OAPEL AURORA SeqNo 10 -

Title	Jupiter Aurora Obs			Instrument	NIMS
Requestor	NIMS-AWG/M. SEGURA	Team	NIMS	Working Group	AWG

Time System CDS Load ID Calendar Date 12/29/00 Week 52

Start	JEE+CDS 00001116:00:0	00-364/22:15:02.466	JEE+000/18:48:24.000
End	JEE+CDS 00001130:00:0	00-364/22:29:11.799	JEE+000/19:02:33.333
Duration	00000014:00:0	000/00:14:09.333	000/00:14:09.333

Top Label 29JNAURORA10-
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

1 of 10 Jupiter Aurora maps of the southern aurora region.
The set of 10 will map out all 360 degrees longitude of Jupiter’s southern Aurora region over 1 Jupiter rotation (about 10 hours).

Data Returned

Design Detail

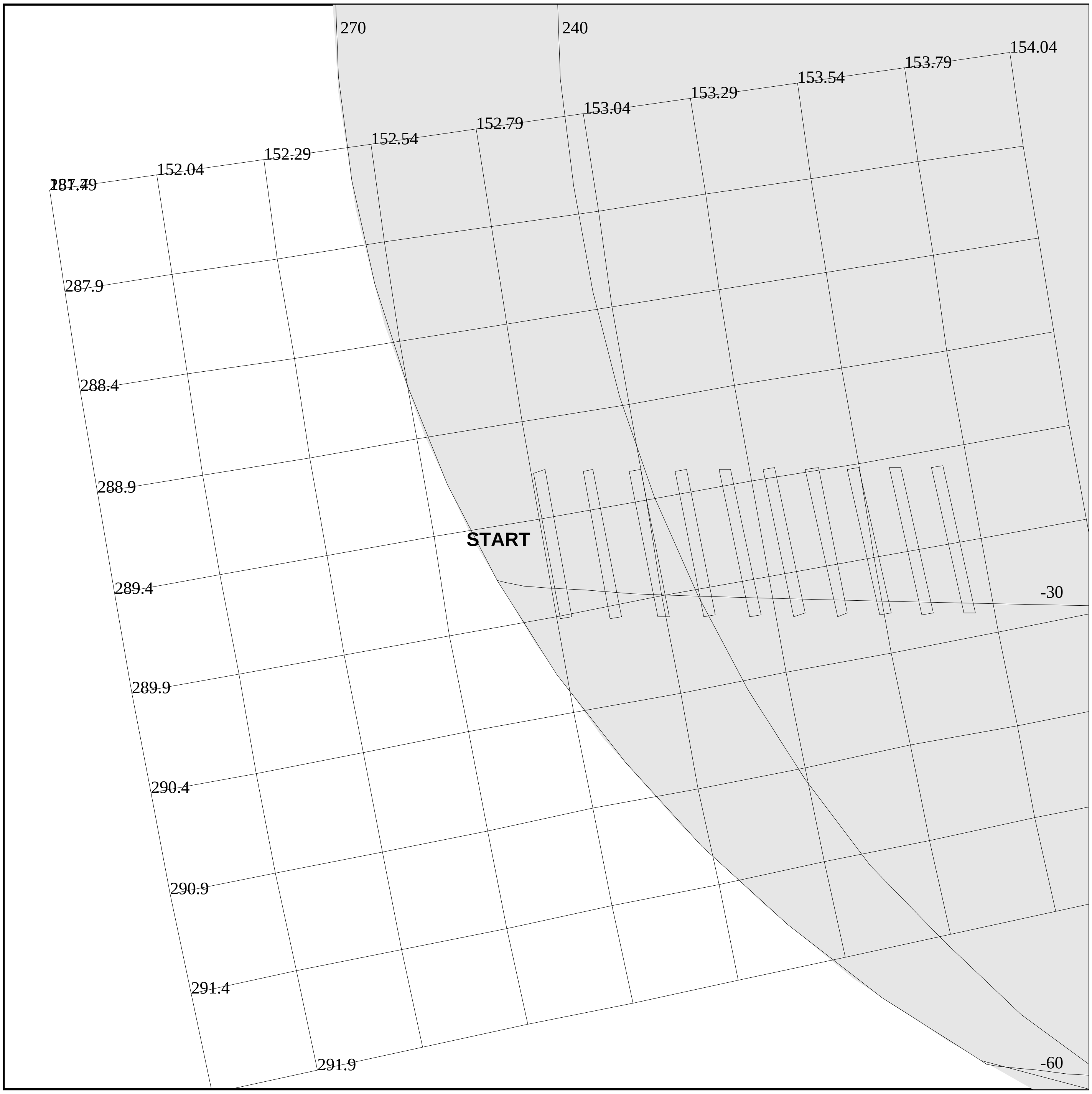
BTG=0.48 MB, TICS=187, FMT=LPU, LM

Single swath over the southern aurora region, dayside.

Mosaic covers: -90 to -60 degrees latitude and
+347 to +40 degrees West longitude.

SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT

Fixed Long Map (XLM), Gain 4, Grating Start 0, LPU, JLM240, JLM72



165EP:TT=   0 TMC= 1 C=   -6.00 XC=   0.00 BS= 0/5381 TC= 1(-26   237.5   )
A= 728 pD=   0 SR=17.450 RA50= 83.55 DEC50= 24.12 cone=152.80 clock=289.52
117EP:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/5381
1:#s= 1 Cs=   18.00 XCs=   3.00 Cr=   0.00 XCr=   0.00 sD= 1820 rD=   2

29JNSTZRLT03

DESIGN G3.2 yande:12/21/2000 13:52:53

FILE:P.29JNSTZRLT03

CENTRAL BODY:JUPITER III

MINI:m.29JNSTZRLT03

S/C EPH:/DATA/NAVIO/001024-tour.NS

PERIAPSIS:

START:JEE 00-364/03:26:38.466   +CDS 1489:00:0

OBSERVATION:29JNSTZRLT03

THINNING:NIM   7,   MIRROR BLOCKING: 10001

BODY PLOT TIME:TARGET-TIME D=   0 S= 2.500

DESCRIP:JUPITER_RT_STZ_OBSERVATION

Jupiter R/T STZ Obs		ACTIVITY ID:	29JNSTZRLT03-
		START TIME:	00-365/04:28:08.466

Activity ID: Orbit 29 Target J Inst N OAPEL STZRLT SeqNo 03 -

Title	Jupiter R/T STZ Obs			Instrument	NIMS
Requestor	NIMS-AWG/M. SEGURA	Team	NIMS	Working Group	AWG

Time System CDS Load ID Calendar Date 12/29/00 Week 52

Start	JEE+CDS 00001485:00:0	00-365/04:28:08.466	JEE+001/01:01:30.000
End	JEE+CDS 00001499:00:0	00-365/04:42:17.799	JEE+001/01:15:39.333
Duration	00000014:00:0	000/00:14:09.333	000/00:14:09.333

Top Label 29JNSTZRLT03-
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

Jupiter South Tropical Zone real-time observation.
These observations are designed to monitor cloud activity, thermal and compositional changes over the duration of the Galileo mission.

Data Returned

Design Detail

BTG=0.04 R/T LM

Single swath across the South Tropical Zone, dayside.

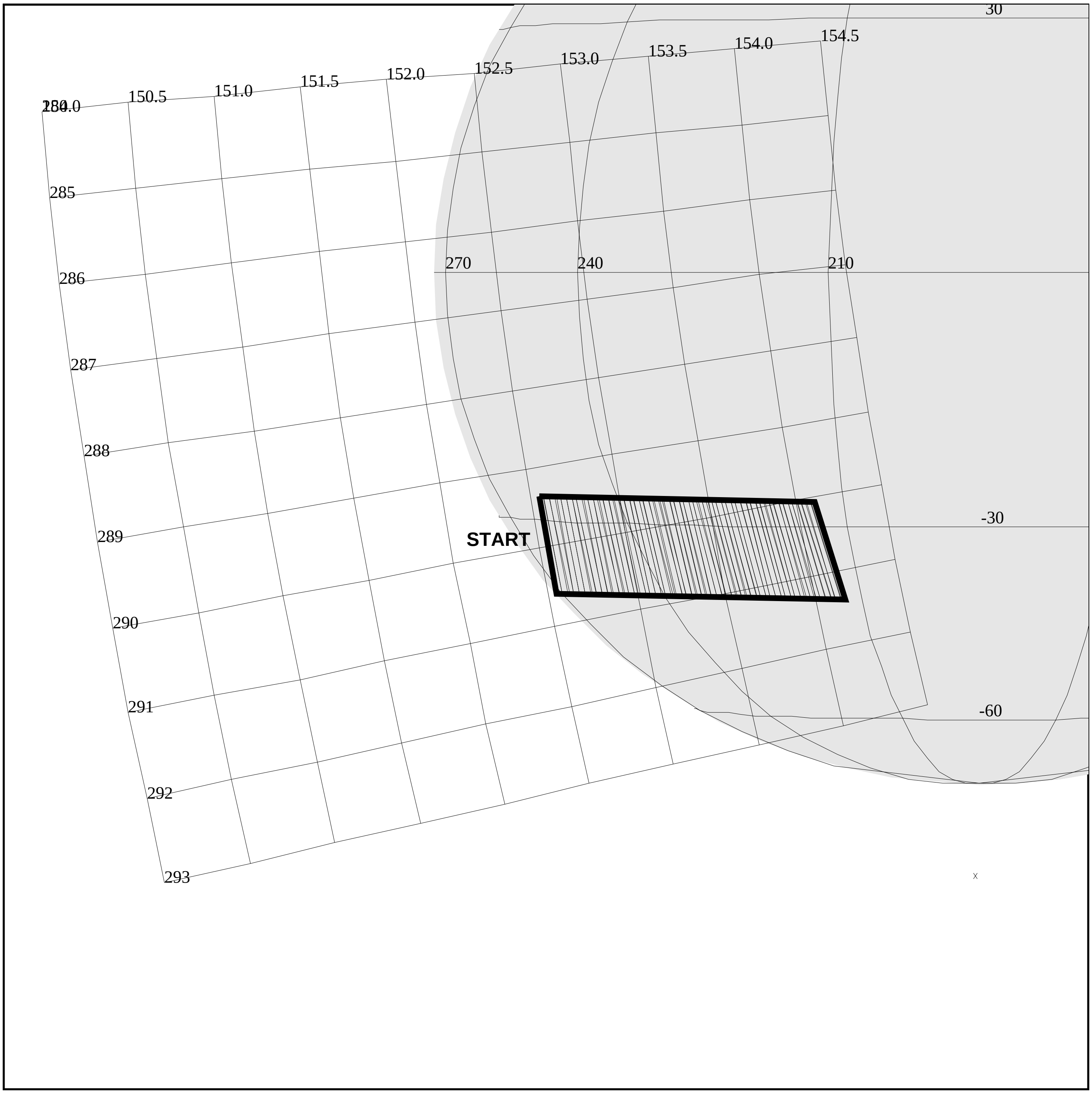
Mosaic covers: -31 to -22 degrees latitude and
+221 to +252 degrees West longitude.

Target centered at -26 degrees latitude, 236 degrees West longitude.

Mirror Blocking 11,11 (10001,10001)

SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT

Fixed Long Map (XLM), Gain 2, Grating Start 0, R/T, JLM130



165EQ:TT= 0 TMC= 1 C= -10.00 XC= -2.50 BS= 0/8111 TC= 1(-33.5 238)
A= 728 pD= 0 SR=17.450 RA50= 83.75 DEC50= 23.89 cone=152.59 clock=289.97
117EQ:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/8111
1:#s= 1 Cs= 28.90 XCs= 6.00 Cr= 0.00 XCr= 0.00 sD= 2912 rD= 2

29JNWTOVAL01

DESIGN G3.2 yande:11/16/2000 16: 1:15

FILE:P.29JNWTOVAL01

CENTRAL BODY:JUPITER III

MINI:m.29JNWTOVAL01

S/C EPH:/DATA/NAVIO/001024-tour.NS

PERIAPSIS:

THINNING:NIM 2

START:JEE 00-364/03:26:38.466 +CDS 1504:00:0

BODY PLOT TIME:TARGET-TIME D= 0 S= 1.000

OBSERVATION:29JNWTOVAL01

DESCRIP:WHITE_OVAL

Jupiter White Oval Obs

ACTIVITY ID: 29JNWTOVAL01-
START TIME: 00-365/04:43:18.466

Activity ID: Orbit 29 Target J Inst N OAPEL WTOVAL SeqNo 01 -

Title	Jupiter White Oval Obs			Instrument	NIMS
Requestor	NIMS-AWG/M. SEGURA	Team	NIMS	Working Group	AWG

Time System CDS Load ID Calendar Date 12/30/00 Week 52

Start	JEE+CDS 00001500:00:0	00-365/04:43:18.466	JEE+001/01:16:40.000
End	JEE+CDS 00001515:00:0	00-365/04:58:28.466	JEE+001/01:31:50.000
Duration	00000015:00:0	000/00:15:10.000	000/00:15:10.000

Top Label 29JNWTOVAL01-
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

Jupiter white oval observation designed to observe the last of a series of white ovals which have merged over the course of 2 years. Data set will contain compositional and cloud dynamics information.

Data Returned

Design Detail

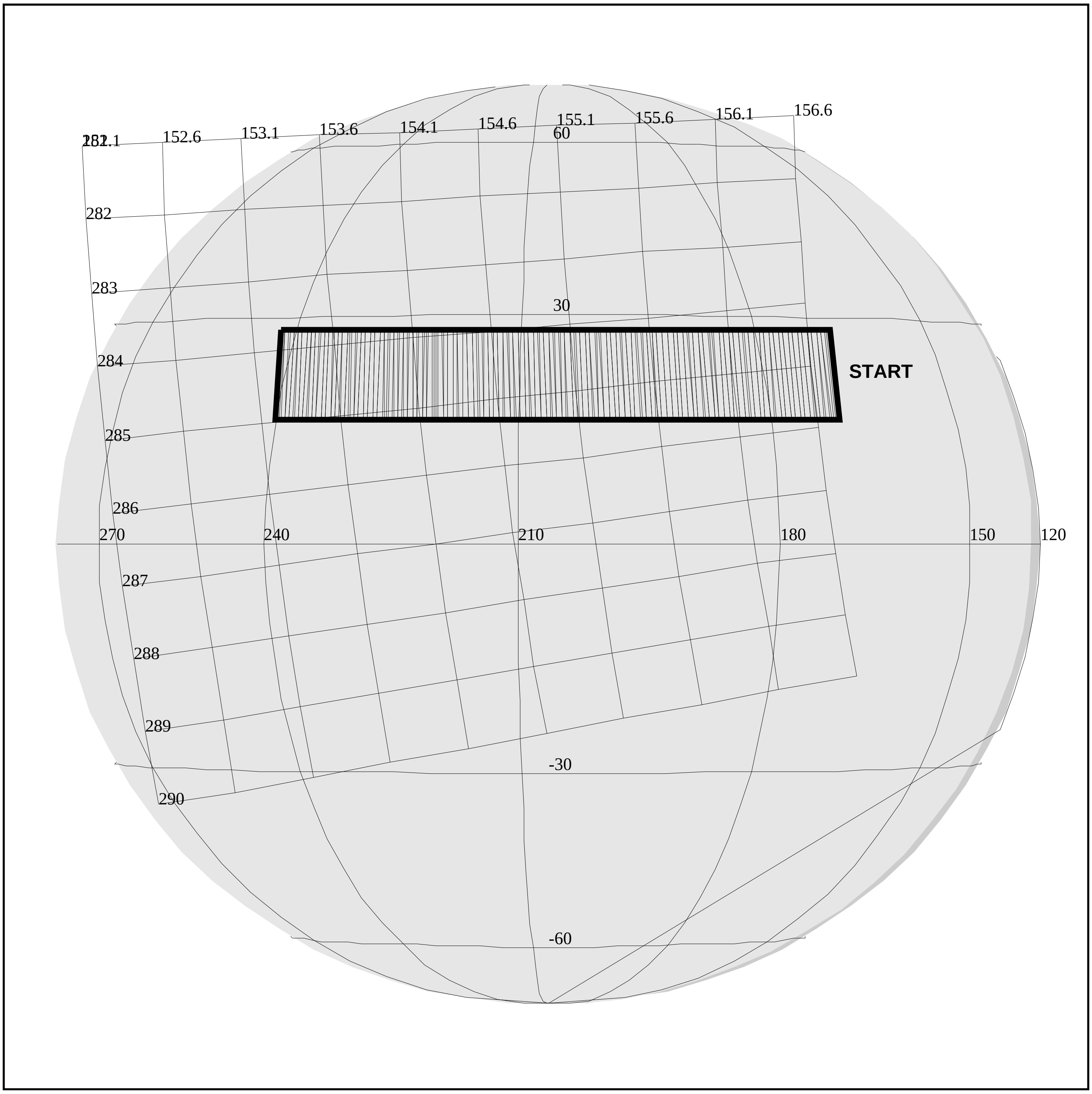
BTG=0.36 MB, TICS=201, FMT=LPU, LM

Single swath over the white oval region at -33 degrees latitide, dayside.

Mosaic covers: -39 to -27 degrees latitude and
+213 to +260 degrees West longitude.

SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT

Fixed Long Map (XLM), Gain 2, Grating Start 0, LPU, JLM240, JLM48



165ER:TT=   0 TMC= 1 C=   0.00 XC=   0.00 BS= 0/1751 TC= 1(22   170   )
A= 546 pD=   0 SR=17.450 RA50= 79.39 DEC50= 26.33 cone=156.76 clock=285.18
117ER:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/1751
1:#s= 1 Cs= -57.95 XCs=   -6.00 Cr=   0.00 XCr=   0.00 sD= 5824 rD=   2

29JNJUPNTZ01

DESIGN G3.2 yande:11/15/2000 18:37:47

FILE:P.29JNJUPNTZ01

CENTRAL BODY:JUPITER III

MINI:m.29JNJUPNTZ01

S/C EPH:/DATA/NAVIO/001024-tour.NS

PERIAPSIS:

START:JEE 00-364/03:26:38.466   +CDS 1524:00:0

OBSERVATION:29JNJUPNTZ01

THINNING:NIM   2

BODY PLOT TIME:TARGET-TIME D=   0 S= 0.900

DESCRIP:JUPITER_RT_NTZ_OBSERVATION

Jupiter NTZ Obs — ACTIVITY ID: 29JNJUPNTZ01-
START TIME: 00-365/04:43:18.466

Activity ID: Orbit 29 Target J Inst N OAPEL JUPNTZ SeqNo 01 -

Title	Jupiter NTZ Oval Obs			Instrument	NIMS
Requestor	NIMS-AWG/M. SEGURA	Team	NIMS	Working Group	AWG

Time System CDS Load ID Calendar Date 12/30/00 Week 52

Start	JEE+CDS 00001520:00:0	00-365/05:03:31.799	JEE+001/01:36:53.333
End	JEE+CDS 00001535:00:0	00-365/05:18:41.799	JEE+001/01:52:03.333
Duration	00000015:00:0	000/00:15:10.000	000/00:15:10.000

Top Label 29JNJUPNTZ01-
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

Recorded Jupiter Northern Temperate Zone (NTZ) observation designed provide composition, thermal and cloud dynamics information.

Data Returned

Design Detail

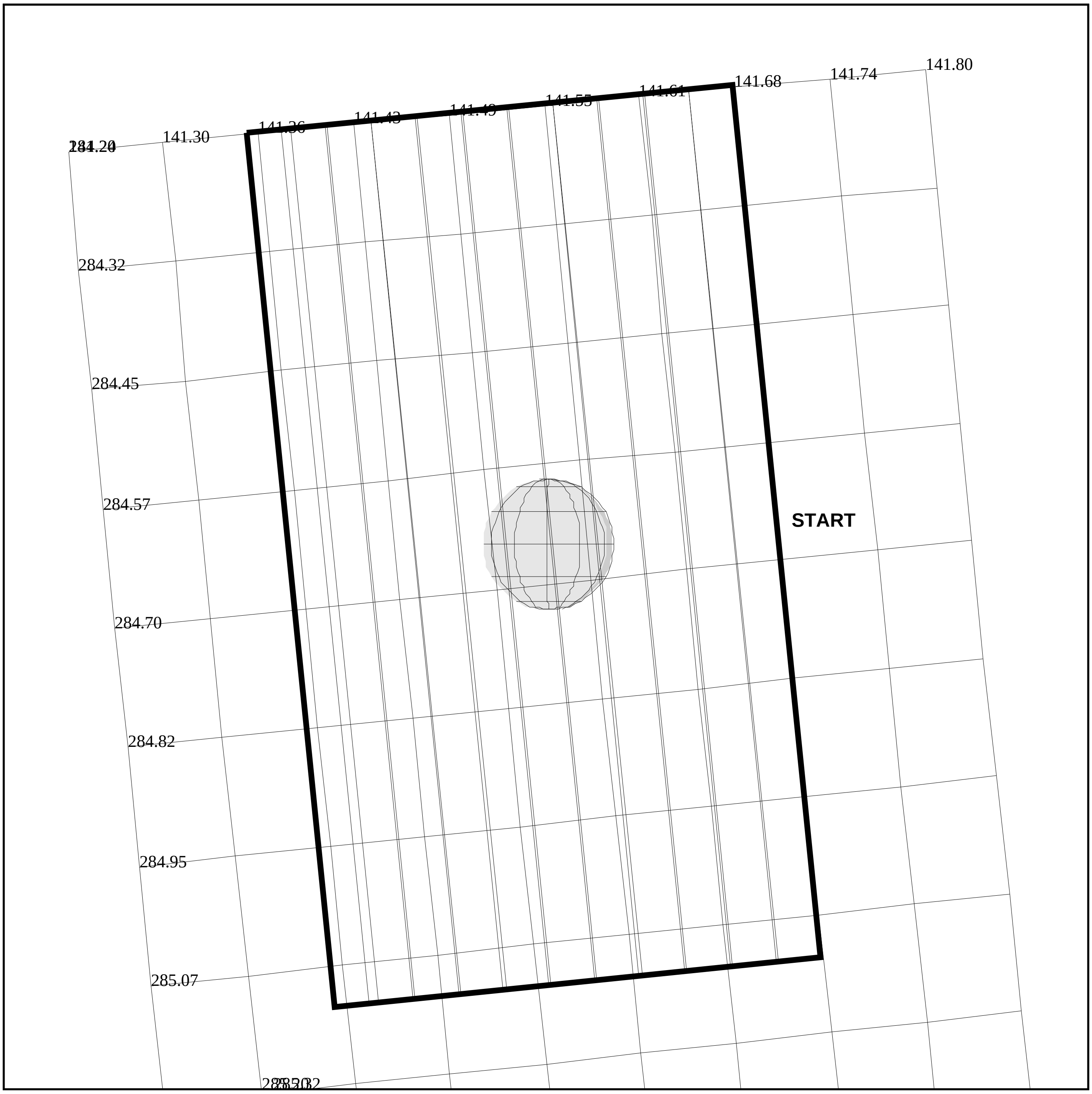
BTG=0.36 MB, TICS=201, FMT=LPU, LM

Single swath over the NTZ region at +22 degrees latitide, dayside.

Mosaic covers: +16 to +28 degrees latitude and
+170 to +241 degrees West longitude.

SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT

Fixed Long Map (XLM), Gain 2, Grating Start 0, LPU, JLM240, JLM24



165ES:TT= 0 TMC= 1 C= 2.50 XC= 0.00 BS= 0/9817 TC= 3
A= 364 pD= 536 SR= 8.000 RA50= 96.08 DEC50= 25.05 cone=141.67 clock=284.66
117ES:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/9817
1:#s= 1 Cs= -5.20 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 536 rD= 80

29INIWATCH03

DESIGN G3.2 yande:11/15/2000 18:26:48

FILE:P.29INIWATCH03

TARGET BODY : IO

MINI:m.29INIWATCH03

S/C EPH:/DATA/NAVIO/001024-tour.NS

PERIAPSIS:

THINNING:NIM 2

START:IEE 00-364/03:33:43.133 +CDS 2880:00:0

BODY PLOT TIME:TARGET-TIME D= 536 S= 0.120

OBSERVATION:29INIWATCH03

DESCRIP:IO_MONITORING

Io Monitoring		ACTIVITY ID:	29INIWATCH03-
		START TIME:	00-364/03:48:53.133

Activity ID: Orbit 29 Target I Inst N OAPEL IWATCH SeqNo 03 -

Title	Io Monitoring			Instrument	NIMS
Requestor	NIMS-SWG/M. SEGURA	Team	NIMS	Working Group	SWG

Time System CDS Load ID Calendar Date 12/31/00 Week 52

Start	IEE+CDS 00002880:00:0	00-366/04:05:43.133	IEE+002/00:32:00.000
End	IEE+CDS 00002887:00:0	00-366/04:12:47.799	IEE+002/00:39:04.666
Duration	00000007:00:0	000/00:07:04.666	000/00:07:04.666

Top Label 29INIWATCH03-
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

To monitor Io’s volcanic activity while in eclipse.

Data Returned

Design Detail

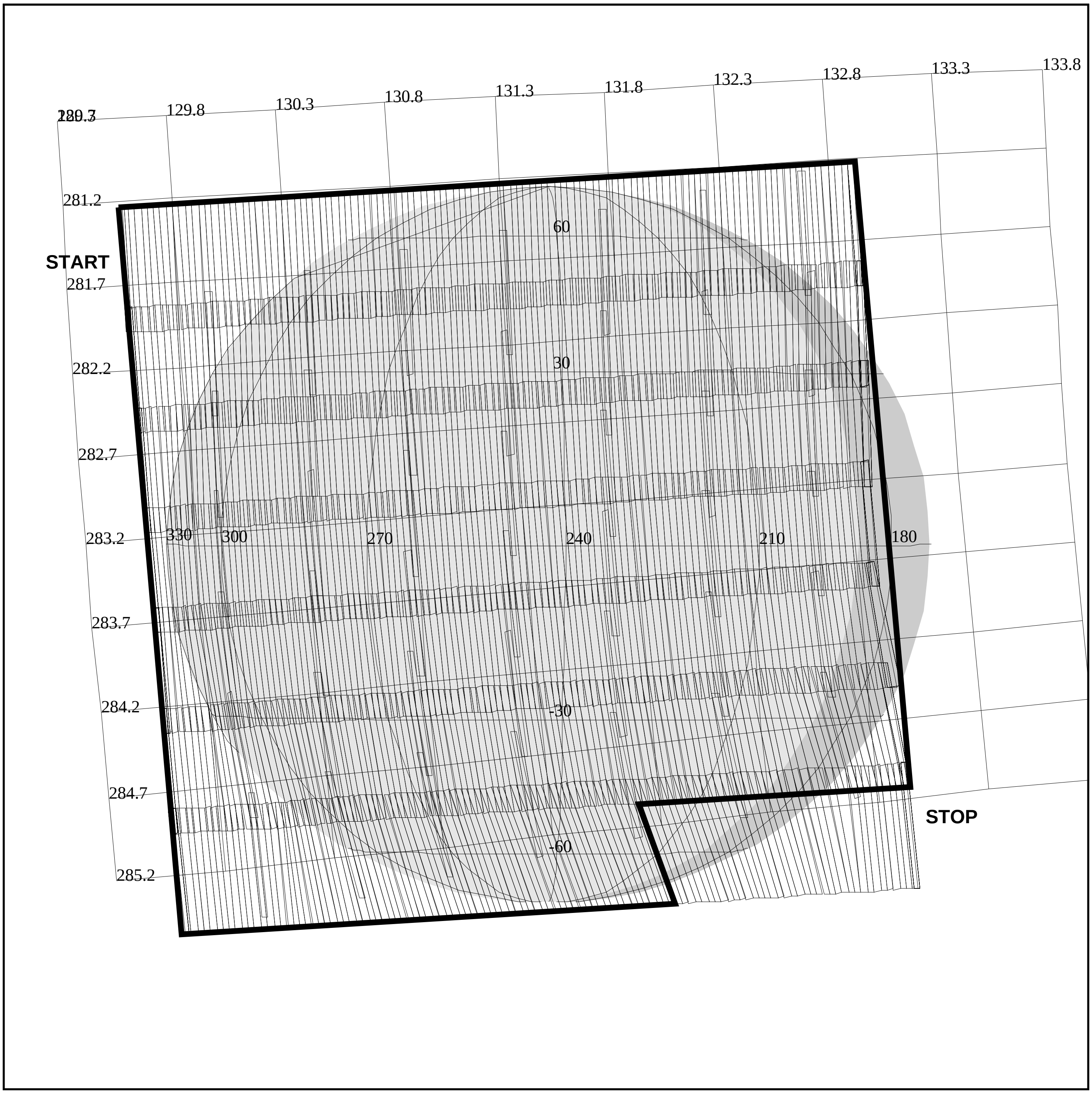
BTG=1.09 MB, TICS=171, FMT=MPW, LM

Distant single swath mosaic across Io’s eclipsed disk.
Mosaic covers -90 to +90 degrees latitude and
239 to 59 degress West longitude.

Target centered at 0 degrees latitude, 330 degrees West longitude

SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT

Fixed Long Map (XLM), Gain 2, Grating Start 0, MPW, ILM408, ILM288



165ET:TT= 0 TMC= 1 C= -32.00 XC= -24.00 BS= 0/0999 TC= 3
A= 728 pD= 0 SR=17.450 RA50=109.68 DEC50= 24.84 cone=129.53 clock=281.58
117ET:#SB= 1 OR= 0.760 RR=12.000 BM=F RC= 1 BS= 0/0999
1:#s= 7 Cs= 58.00 XCs= 0.00 Cr= -58.00 XCr= 8.00 sD= 246 rD= 44

29JNGLOBAL01

DESIGN G3.2 yande:11/15/2000 18:28:45

FILE:P.29JNGLOBAL01

CENTRAL BODY:JUPITER III

MINI:m.29JNGLOBAL01

S/C EPH:/DATA/NAVIO/001024-tour.NS

PERIAPSIS: **THINNING:NIM 2**

START:JEE 00-364/03:26:38.466 +CDS 3388:00:0 **BODY PLOT TIME:TARGET-TIME D= 0 S= 0.700**

OBSERVATION:29JNGLOBAL01 **DESCRIP:JUPITER_GLOBAL_MAP**

Jupiter Global Map	ACTIVITY ID: 29JNGLOBAL01- START TIME: 00-366/12:28:14.466

Activity ID: Orbit 29 Target J Inst N OAPEL GLOBAL SeqNo 01 -

Title	Jupiter Global Map			Instrument	NIMS
Requestor	NIMS-AWG/M. SEGURA	Team	NIMS	Working Group	AWG

Time System CDS Load ID Calendar Date 12/31/00 Week 52

Start	JEE+CDS 00003384:00:0	00-366/12:28:14:466	JEE+002/09:01:36.000
End	JEE+CDS 00003399:00:0	00-366/12:43:24.466	JEE+002/09:16:14.000
Duration	00000015:00:0	000/00:15:10.000	000/00:15:10.000

Top Label 29JNGLOBAL01-
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

1 of 6 Jupiter global maps of Jupiter’s entire disk.
The set of 6 will map out all 360 degrees longitude of Jupiter
over almost 1 Jupiter rotation (about 8 hours).

Data Returned

Design Detail

BTG=0.66 MB, TICS=201, FMT=LPU, XM

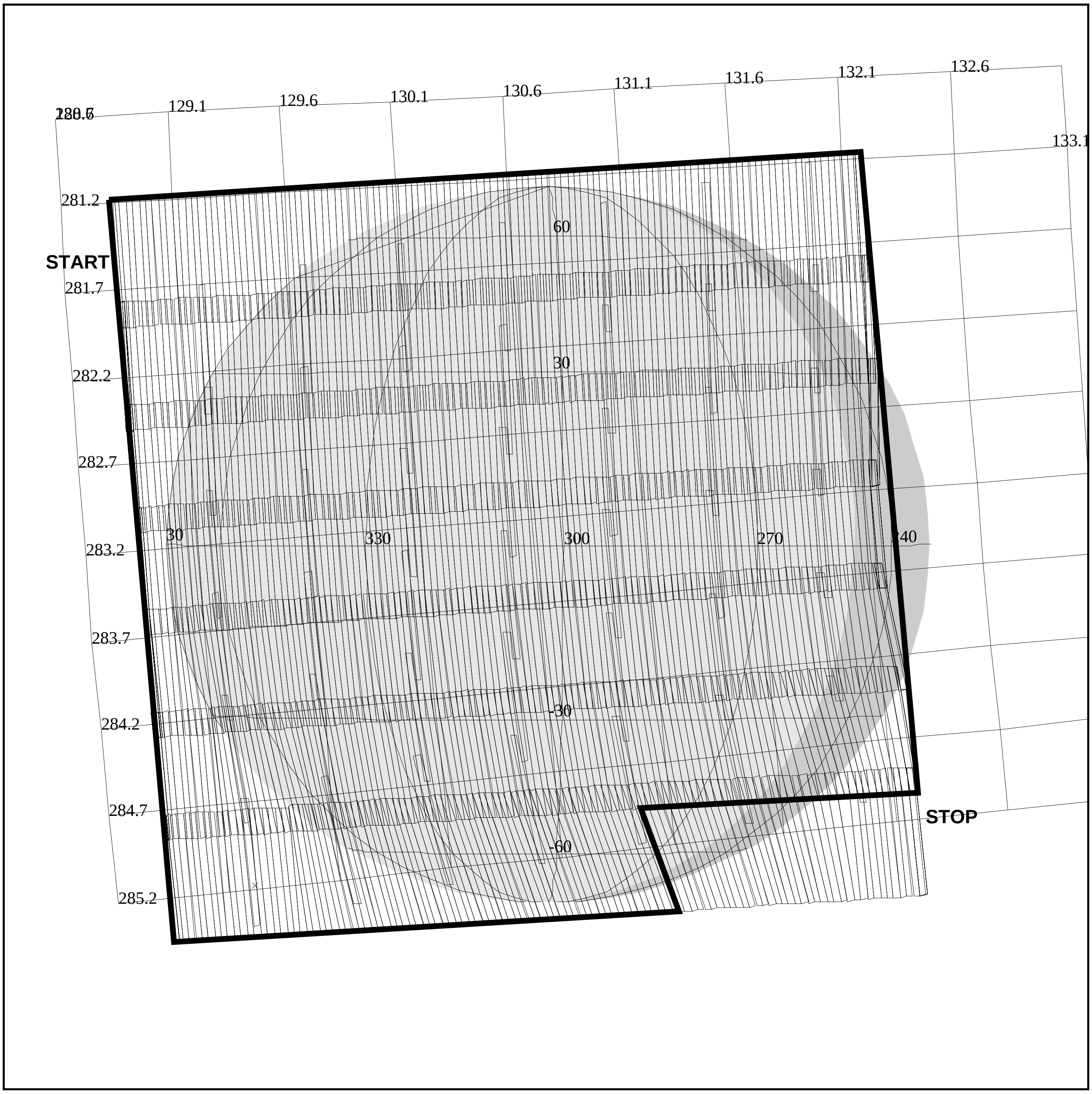
Global mosaic made of 7 swaths across the daylit portion of the disk.

Mosaic covers: -90 to +90 degrees latitude and
+185 to +310 degrees West longitude (at the equator).

SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT

Fixed Map (XM), Gain 2, Grating Start 0, LPU, JXM10, JXM9

Galileo Activity Plan Form 12/01/00 00:00:00 rev 6/95



165EU:TT=   0 TMC= 1 C= -32.00 XC= -24.00 BS= 0/9017 TC= 3
A= 728 pD=   0 SR=17.450 RA50=110.44 DEC50= 24.71 cone=128.83 clock=281.54
117EU:#SB= 1 OR= 0.760 RR=12.000 BM=F RC= 1 BS= 0/9017
1:#s= 7 Cs=   58.00 XCs=   0.00 Cr= -58.00 XCr=   8.00 sD=   246 rD=   44

29JNGLOBAL02

DESIGN G3.2 yande:11/15/2000 18:28:26

FILE:P.29JNGLOBAL02

CENTRAL BODY:JUPITER III

MINI:m.29JNGLOBAL02

S/C EPH:/DATA/NAVIO/001024-tour.NS

PERIAPSIS:

THINNING:NIM   2

START:JEE 00-364/03:26:38.466   +CDS 3487:00:0

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

OBSERVATION:29JNGLOBAL02

DESCRIP:JUPITER_GLOBAL_MAP

Jupiter Global Map	ACTIVITY ID: 29JNGLOBAL02- START TIME: 00-366/14:08:20.466

Activity ID: Orbit 29 Target J Inst N OAPEL GLOBAL SeqNo 02 -

Title	Jupiter Global Map			Instrument	NIMS
Requestor	NIMS-AWG/M. SEGURA	Team	NIMS	Working Group	AWG

Time System CDS Load ID Calendar Date 12/31/00 Week 52

Start	JEE+CDS 00003483:00:0	00-366/14:08:20:466	JEE+002/10:41:42.000
End	JEE+CDS 00003498:00:0	00-366/14:23:30.466	JEE+002/10:56:52.000
Duration	00000015:00:0	000/00:15:10.000	000/00:15:10.000

Top Label 29JNGLOBAL02-
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

1 of 6 Jupiter global maps of Jupiter's entire disk.
The set of 6 will map out all 360 degrees longitude of Jupiter
over almost 1 Jupiter rotation (about 8 hours).

Data Returned

Design Detail

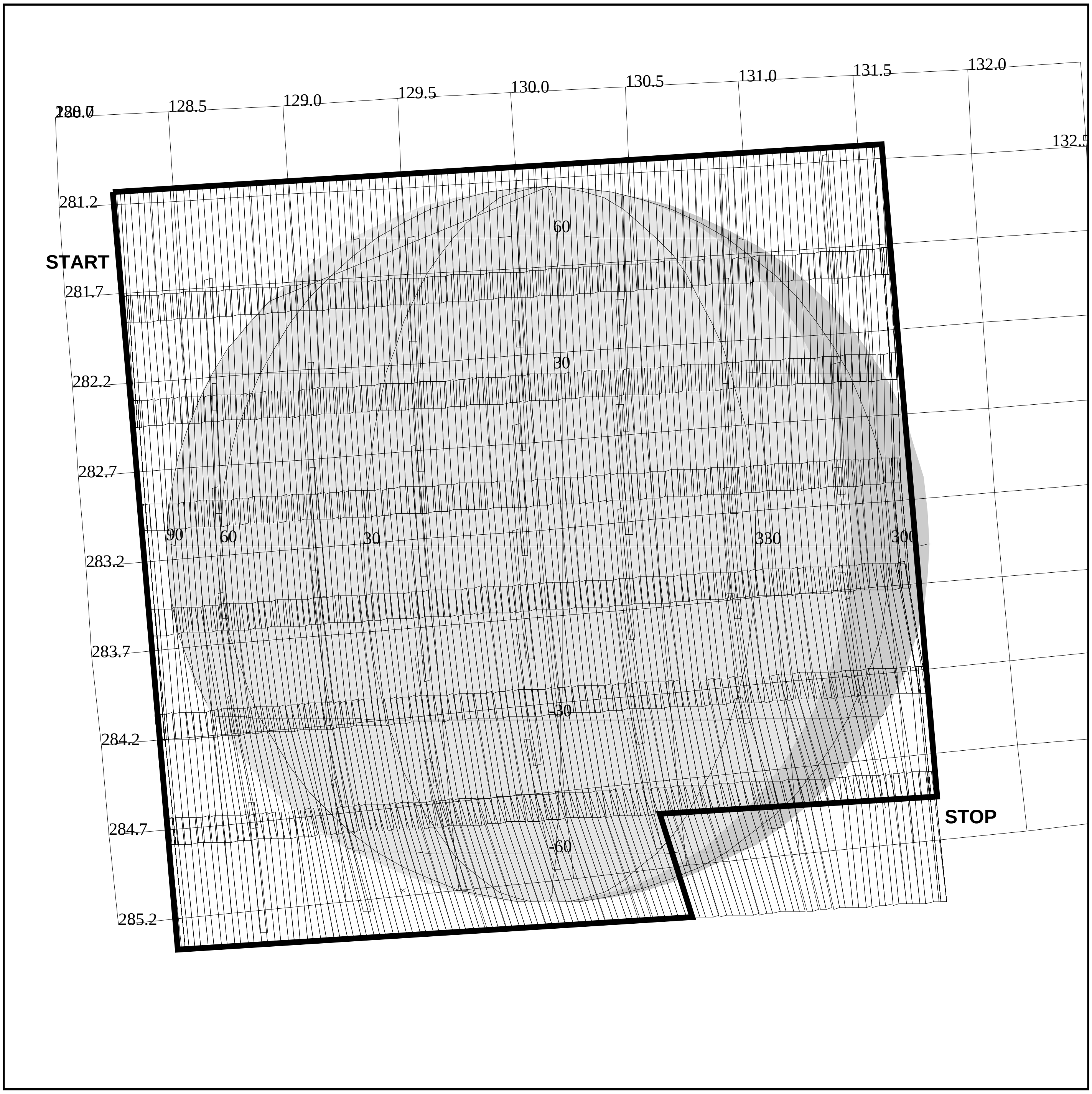
BTG=0.66 MB, TICS=201, FMT=LPU, XM

Global mosaic made of 7 swaths across the daylit portion of the disk.

Mosaic covers: -90 to +90 degrees latitude and
+245 to +30 degrees West longitude (at the equator).

SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT

Fixed Map (XM), Gain 2, Grating Start 0, LPU, JXM10, JXM9



165EV:TT= 0 TMC= 1 C= -31.00 XC= -24.00 BS= 0/7035 TC= 3
A= 728 pD= 0 SR=17.450 RA50=111.11 DEC50= 24.61 cone=128.22 clock=281.50
117EV:#SB= 1 OR= 0.760 RR=12.000 BM=F RC= 1 BS= 0/7035
1:#s= 7 Cs= 58.00 XCs= 0.00 Cr= -58.00 XCr= 8.00 sD= 246 rD= 44

29JNGLOBAL03

DESIGN G3.2 yande:11/15/2000 18:29: 3

FILE:P.29JNGLOBAL03

CENTRAL BODY:JUPITER III

MINI:m.29JNGLOBAL03

S/C EPH:/DATA/NAVIO/001024-tour.NS

PERIAPSIS:

THINNING:NIM 2

START:JEE 00-364/03:26:38.466 +CDS 3586:00:0

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

OBSERVATION:29JNGLOBAL03

DESCRIP:JUPITER_GLOBAL_MAP

Jupiter Global Map	ACTIVITY ID: 29JNGLOBAL03- START TIME: 00-366/15:48:26.466

Activity ID: Orbit 29 Target J Inst N OAPEL GLOBAL SeqNo 03 -

Title	Jupiter Global Map			Instrument	NIMS
Requestor	NIMS-AWG/M. SEGURA	Team	NIMS	Working Group	AWG

Time System	CDS	Load ID		Calendar Date 12/31/00	Week 52

Start	JEE+CDS 00003582:00:0	00-366/15:48:26:466	JEE+002/12:21:48.000
End	JEE+CDS 00003597:00:0	00-366/16:03:36.466	JEE+002/12:36:58.000
Duration	00000015:00:0	000/00:15:10.000	000/00:15:10.000

Top Label 29JNGLOBAL03-
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

1 of 6 Jupiter global maps of Jupiter's entire disk.
The set of 6 will map out all 360 degrees longitude of Jupiter over almost 1 Jupiter rotation (about 8 hours).

Data Returned

Design Detail

BTG=0.66 MB, TICS=201, FMT=LPU, XM

Global mosaic made of 7 swaths across the daylit portion of the disk.

Mosaic covers: -90 to +90 degrees latitude and
+295 to +90 degrees West longitude (at the equator).

SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT

Fixed Map (XM), Gain 2, Grating Start 0, LPU, JXM10, JXM9

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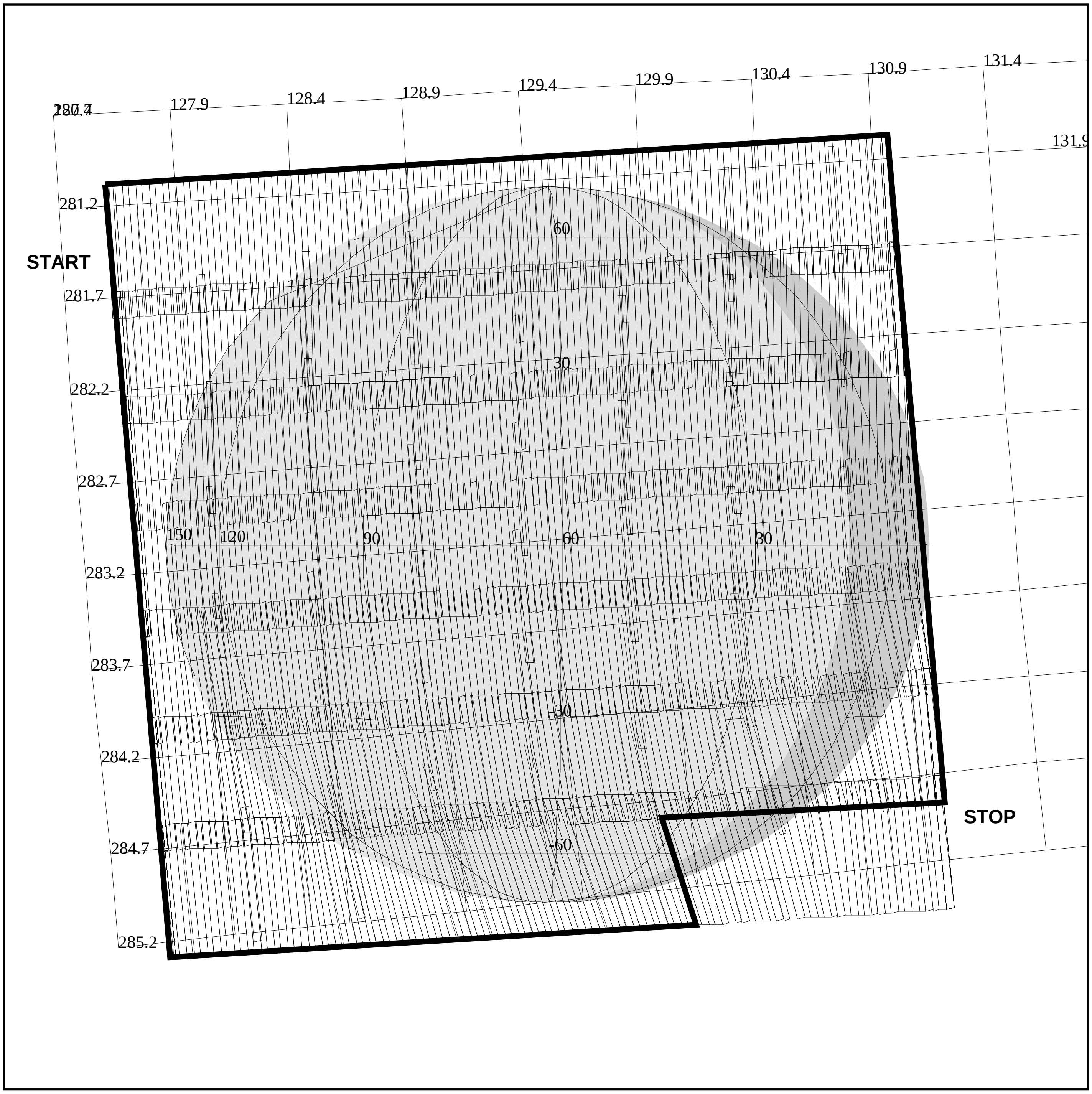


165EW:TT= 0 TMC= 1 C= -31.00 XC= -24.00 BS= 0/5053 TC= 3
A= 728 pD= 0 SR=17.450 RA50=111.80 DEC50= 24.49 cone=127.57 clock=281.45
117EW:#SB= 1 OR= 0.760 RR=12.000 BM=F RC= 1 BS= 0/5053
1:#s= 7 Cs= 58.00 XCs= 0.00 Cr= -58.00 XCr= 8.00 sD= 246 rD= 44

29JNGLOBAL04

DESIGN G3.2 yande:11/15/2000 18:29:21

FILE:P.29JNGLOBAL04

CENTRAL BODY:JUPITER III

MINI:m.29JNGLOBAL04

S/C EPH:/DATA/NAVIO/001024-tour.NS

PERIAPSIS:

THINNING:NIM 2

START:JEE 00-364/03:26:38.466 +CDS 3685:00:0

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

OBSERVATION:29JNGLOBAL04

DESCRIP:JUPITER_GLOBAL_MAP

Jupiter Global Map		ACTIVITY ID:	29JNGLOBAL04-
		START TIME:	00-366/17:28:32.466

Activity ID: Orbit 29 Target J Inst N OAPEL GLOBAL SeqNo 04 -

Title	Jupiter Global Map			Instrument	NIMS
Requestor	NIMS-AWG/M. SEGURA	Team	NIMS	Working Group	AWG

Time System CDS   Load ID   Calendar Date 12/31/00 Week 52

Start	JEE+CDS 00003681:00:0	00-366/17:28:32:466	JEE+002/14:01:54.000
End	JEE+CDS 00003696:00:0	00-366/17:43:42.466	JEE+002/14:17:04.000
Duration	00000015:00:0	000/00:15:10.000	000/00:15:10.000

Top Label 29JNGLOBAL04-
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

1 of 6 Jupiter global maps of Jupiter’s entire disk.
The set of 6 will map out all 360 degrees longitude of Jupiter over almost 1 Jupiter rotation (about 8 hours).

Data Returned

Design Detail

BTG=0.66 MB, TICS=201, FMT=LPU, XM

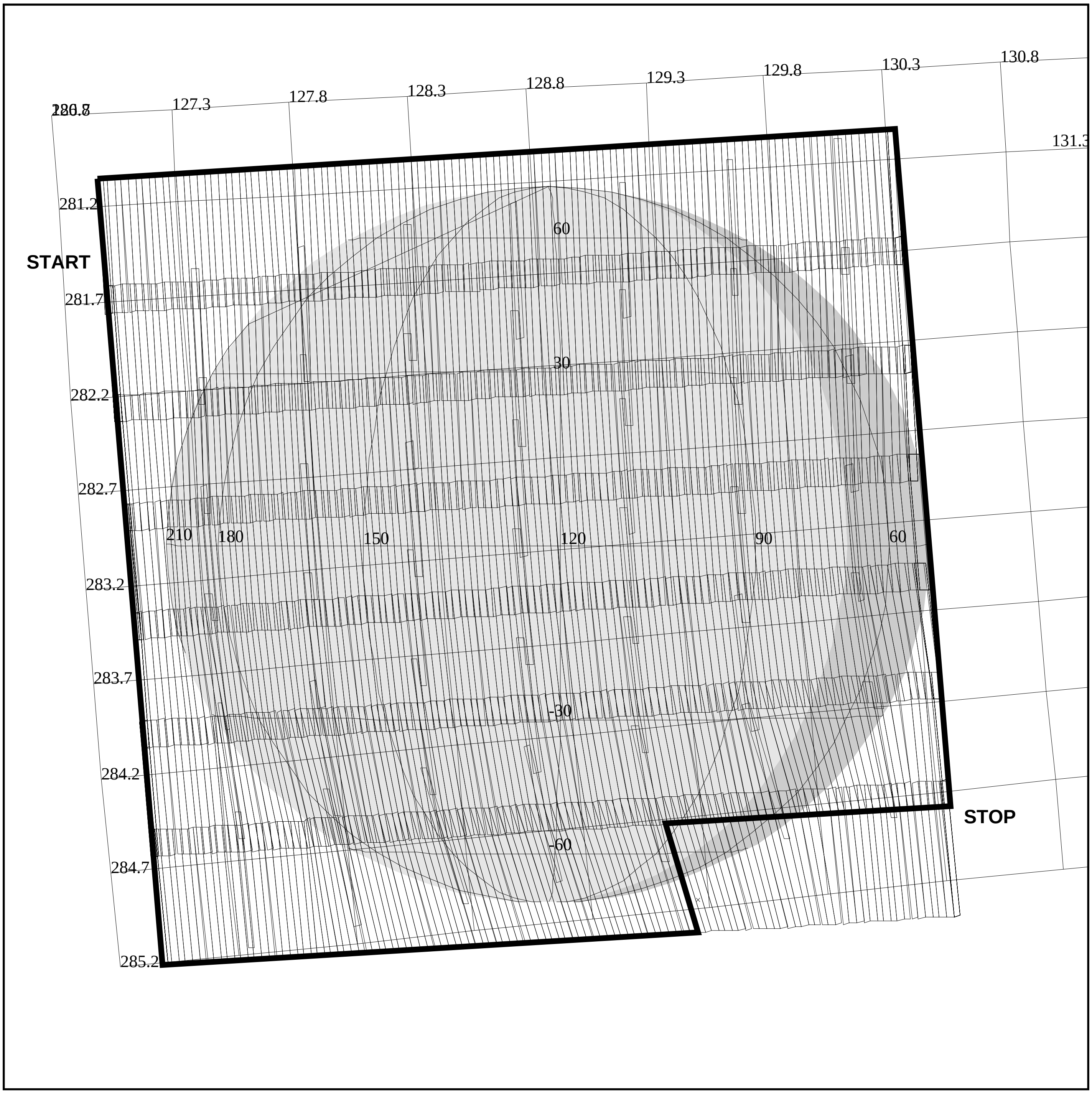
Global mosaic made of 7 swaths across the daylit portion of the disk.

Mosaic covers: -90 to +90 degrees latitude and
+350 to +150 degrees West longitude (at the equator).

SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT

Fixed Map (XM), Gain 2, Grating Start 0, LPU, JXM10, JXM9

Galileo Activity Plan Form   12/01/00 00:00:00   rev 6/95



165EU:TT= 0 TMC= 1 C= -31.00 XC= -24.00 BS= 0/3071 TC= 3
A= 728 pD= 0 SR=17.450 RA50=112.47 DEC50= 24.37 cone=126.95 clock=281.41
117EU:#SB= 1 OR= 0.760 RR=12.000 BM=F RC= 1 BS= 0/3071
1:#s= 7 Cs= 58.00 XCs= 0.00 Cr= -58.00 XCr= 8.00 sD= 246 rD= 44

29JNGLOBAL05

DESIGN G3.2 yande:11/10/2000 14:47: 0

FILE:P.29JNGLOBAL05

CENTRAL BODY:JUPITER III

MINI:m.29JNGLOBAL05

S/C EPH:/DATA/NAVIO/001024-tour.NS

PERIAPSIS:

THINNING:NIM 2

START:JEE 00-364/03:26:38.466 +CDS 3784:00:0

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

OBSERVATION:29JNGLOBAL05

DESCRIP:JUPITER_GLOBAL_MAP

Jupiter Global Map		ACTIVITY ID:	29JNGLOBAL05-
		START TIME:	00-366/19:08:38.466

Activity ID: Orbit 29 Target J Inst N OAPEL GLOBAL SeqNo 05 -

Title	Jupiter Global Map			Instrument	NIMS
Requestor	NIMS-AWG/M. SEGURA	Team	NIMS	Working Group	AWG

Time System	CDS	Load ID		Calendar Date	12/31/00	Week	52

Start	JEE+CDS 00003780:00:0	00-366/19:08:38:466	JEE+002/15:42:00.000
End	JEE+CDS 00003795:00:0	00-366/19:23:48.466	JEE+002/15:57:10.000
Duration	00000015:00:0	000/00:15:10.000	000/00:15:10.000

Top Label   29JNGLOBAL05-
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

1 of 6 Jupiter global maps of Jupiter’s entire disk.
The set of 6 will map out all 360 degrees longitude of Jupiter
over almost 1 Jupiter rotation (about 8 hours).

Data Returned

Design Detail

BTG=0.66 MB, TICS=201, FMT=LPU, XM

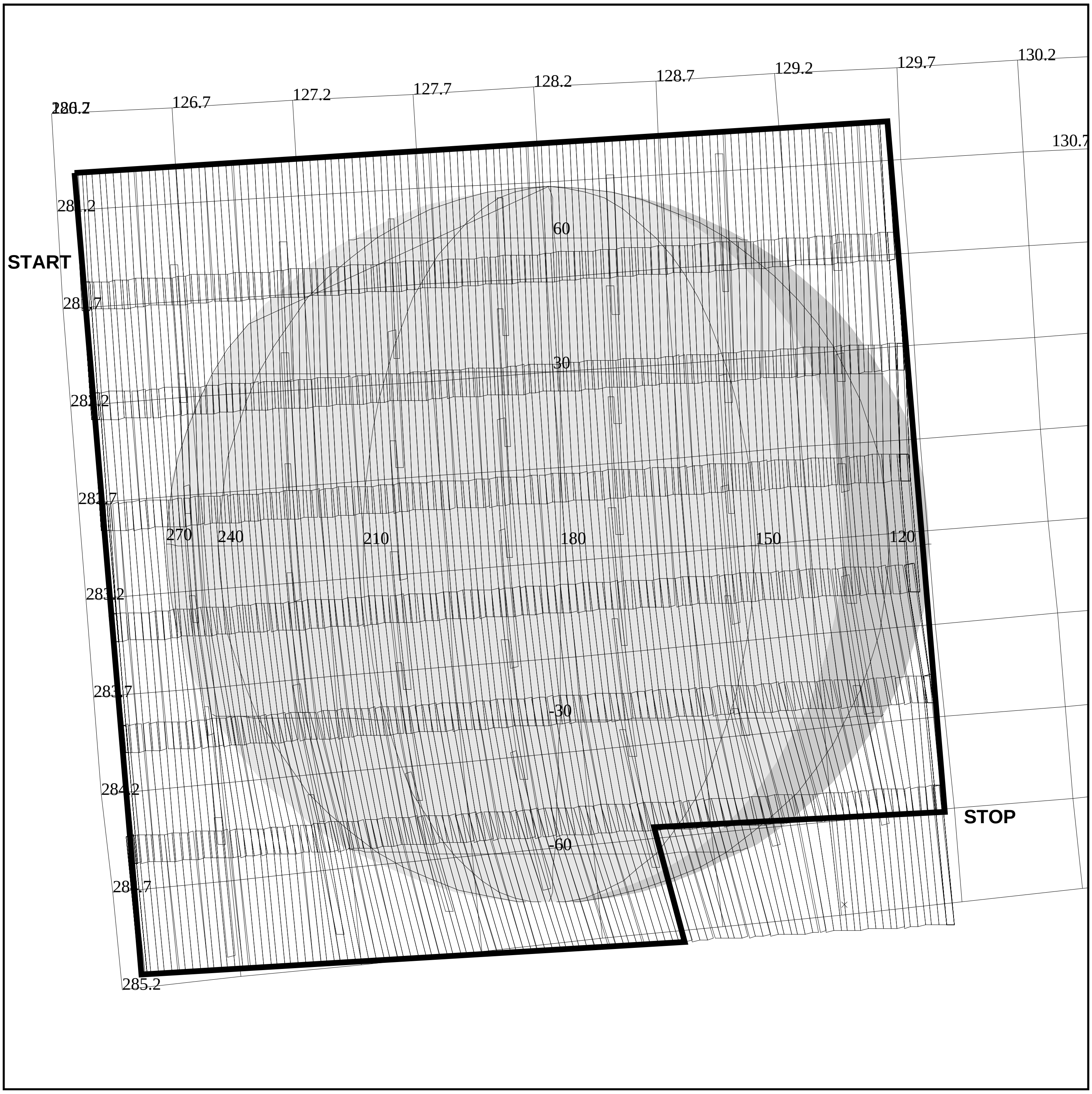
Global mosaic made of 7 swaths across the daylit portion of the disk.

Mosaic covers: -90 to +90 degrees latitude and
                +30 to +210 degrees West longitude (at the equator).

SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT

Fixed Map (XM), Gain 2, Grating Start 0, LPU, JXM10, JXM9

Galileo Activity Plan Form   12/01/00 00:00:00   rev 6/95



165EV:TT= 0 TMC= 1 C= -32.00 XC= -24.00 BS= 0/1089 TC= 3
A= 728 pD= 0 SR=17.450 RA50=113.18 DEC50= 24.24 cone=126.30 clock=281.38
117EV:#SB= 1 OR= 0.760 RR=12.000 BM=F RC= 1 BS= 0/1089
1:#s= 7 Cs= 58.00 XCs= 0.00 Cr= -58.00 XCr= 8.00 sD= 246 rD= 44

29JNGLOBAL06

DESIGN G3.2 yande:11/10/2000 14:47:50

FILE:P.29JNGLOBAL06

CENTRAL BODY:JUPITER III

MINI:m.29JNGLOBAL06

S/C EPH:/DATA/NAVIO/001024-tour.NS

PERIAPSIS:

START:JEE 00-364/03:26:38.466 +CDS 3883:00:0

OBSERVATION:29JNGLOBAL06

THINNING:NIM 2

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

DESCRIP:JUPITER_GLOBAL_MAP

Jupiter Global Map		ACTIVITY ID:	29JNGLOBAL06-
		START TIME:	00-366/20:48:44.466

Activity ID: Orbit 29 Target J Inst N OAPEL GLOBAL SeqNo 06 -

Title	Jupiter Global Map			Instrument	NIMS
Requestor	NIMS-AWG/M. SEGURA	Team	NIMS	Working Group	AWG

Time System CDS Load ID Calendar Date 12/31/00 Week 52

Start	JEE+CDS 00003780:00:0	00-366/20:48:44:466	JEE+002/17:22:06.000
End	JEE+CDS 00003795:00:0	00-366/21:03:54.466	JEE+002/17:37:16.000
Duration	00000015:00:0	000/00:15:10.000	000/00:15:10.000

Top Label 29JNGLOBAL06-
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

1 of 6 Jupiter global maps of Jupiter’s entire disk.
The set of 6 will map out all 360 degrees longitude of Jupiter
over almost 1 Jupiter rotation (about 8 hours).

Data Returned

Design Detail

BTG=0.66 MB, TICS=201, FMT=LPU, XM

Global mosaic made of 7 swaths across the daylit portion of the disk.

Mosaic covers: -90 to +90 degrees latitude and
+110 to +270 degrees West longitude (at the equator).

OBSERVATION ACCIDENTALLY PERFORMED IN CHOPPER 63HZ MODE.

SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT

Fixed Map (XM), Gain 2, Grating Start 0, LPU, JXM10, JXM9

Galileo Activity Plan Form 12/01/00 00:00:00 rev 6/95

NIMS Chopper Off		ACTIVITY ID:	29NNCHOPOF01-
		START TIME:	01-002/02:06:54.000

Activity ID: Orbit 29 Target N Inst N OAPEL CHOPOF SeqNo 01 -

Title	NIMS Chopper Off			Instrument	NIMS
Requestor	NIMS-SWG/M. SEGURA	Team	NIMS	Working Group	AWG

Time System	CDS	Load ID		Calendar Date	06/07/00	Week 23

Start	JEE+CDS 00005617:76:3	01-002/02:06:54.000	JEE+003/22:40:15.533
End	JEE+CDS 00005617:78:8	01-002/02:08:57.000	JEE+003/22:42:18.533
Duration	00000002:02:5	000/00:02:03.000	000/00:02:03.000

Top Label   29NNCHOPOF01-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	000	Report Options	TOL	Scan Platform	No
CDS Source	***	Spin State	N	DMS	No

Observation Objective

Turn off NIMS Chopper

Design Detail

Galileo Activity Plan Form   12/31/00 00:00:00   rev 6/95

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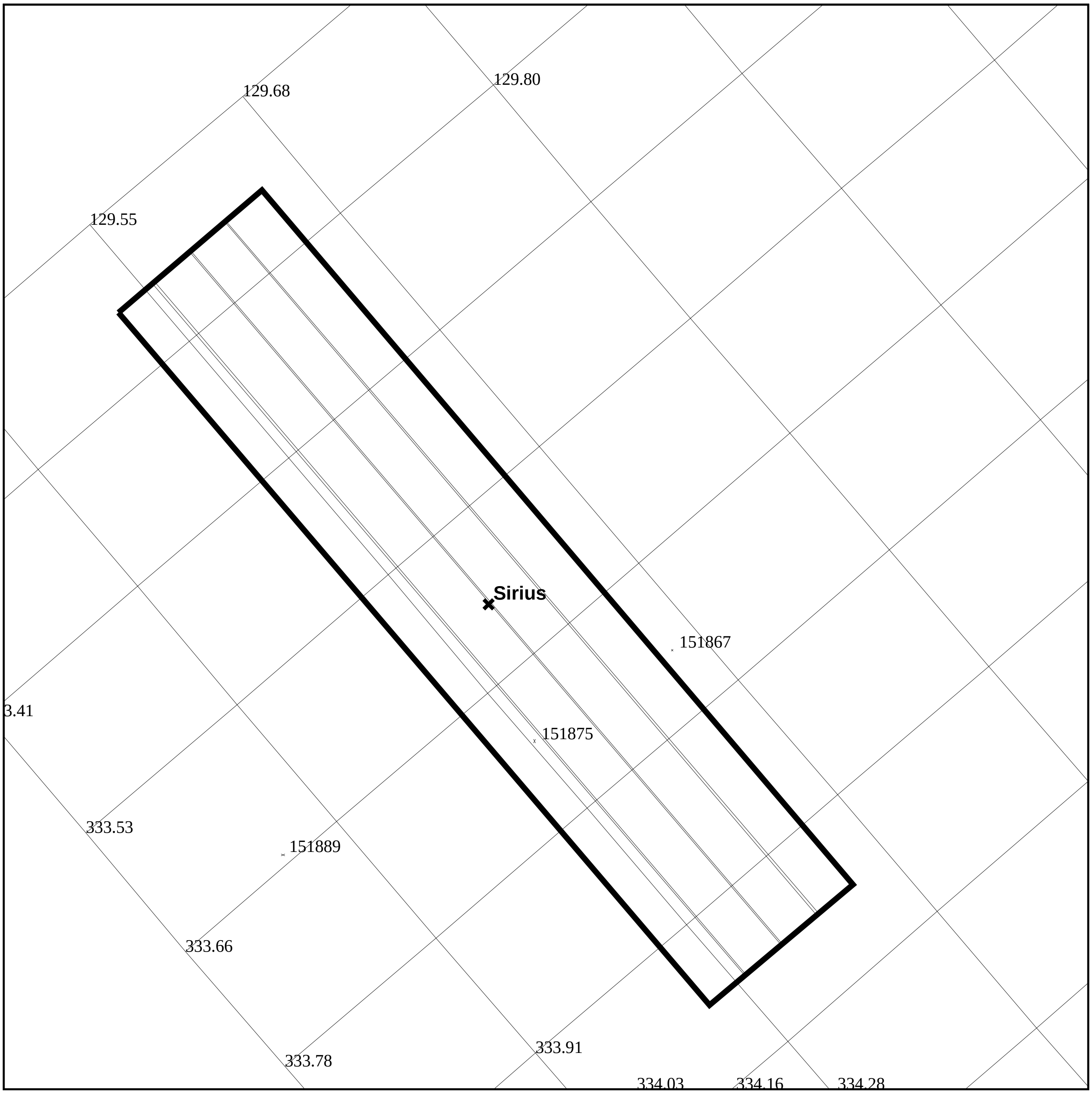

165DA:TT= 0 TMC= 1 C= 0.90 XC= 0.00 BS= 0/3339 TC=14(Sirius)
A=1092 pD= 0 SR= 8.000 RA50=100.69 DEC50=-16.62 cone=129.64 clock=333.60
117DA:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/3339
1:#s= 5 Cs= -1.70 XCs= 0.00 Cr= 1.67 XCr= 0.00 sD= 178 rD= 20

29HNSTRCAL01

DESIGN G3.2 yande: 2/21/2001 10:58:37

FILE:P.29HNSTRCAL01

CENTRAL BODY:JUPITER III

MINI:m.29HNSTRCAL01

S/C EPH:/DATA/NAVIO/001024-tour.NS

PERIAPSIS:

THINNING:NIM 2

START:SAT 01-112/16:14:57.066 +CDS 230:00:0

BODY PLOT TIME:TARGET-TIME D= 0 S= 1.000

OBSERVATION:29HNSTRCAL01

DESCRIP:SIRIUS_STAR_CALIBRATION

NIMS Star Calibration   ACTIVITY ID: 29HNSTRCAL01-
START TIME: 01-112/20:01:26.400

Activity ID: Orbit 29 Target H Inst N OAPEL STRCAL SeqNo 01 -

Title	NIMS STar Calibration			Instrument	NIMS
Requestor	NIMS-SWG/M. SEGURA	Team	NIMS	Working Group	SWG

Time System	CDS	Load ID		Calendar Date	04/22/00	Week	16

Start	SAT+CDS 00000224:00:0	01-112/20:01:26.400	SAT+000/03:46:29.333
End	SAT+CDS 00000235:24:0	01-112/20:12:49.733	SAT+000/03:57:52.666
Duration	00000011:24:0	000/00:11:23.333	000/00:11:23.333

Top Label 29HNSTRCAL01-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	275	Report Options	BOTH	Scan Platform	Yes
CDS Source	OAP	Spin State	DUAL	DMS	No

Observation Objective

This observation is a NIMS STAR calibration using the star Sirius.
The data will be used to calibrate the NIMS visible detectors.
The calibration data will be recorded.

Data Returned

Design Detail

1) Target to the star Sirius.
2) Chopper on, Gain State 4,
3) Set NIMS to Long Map Mode
4) Slew across the star in cone 5 times over 5 Rims.

SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT

Fixed Long Map (XLM), Gain 4, Grating Start 0, MPW, LM442, LM144

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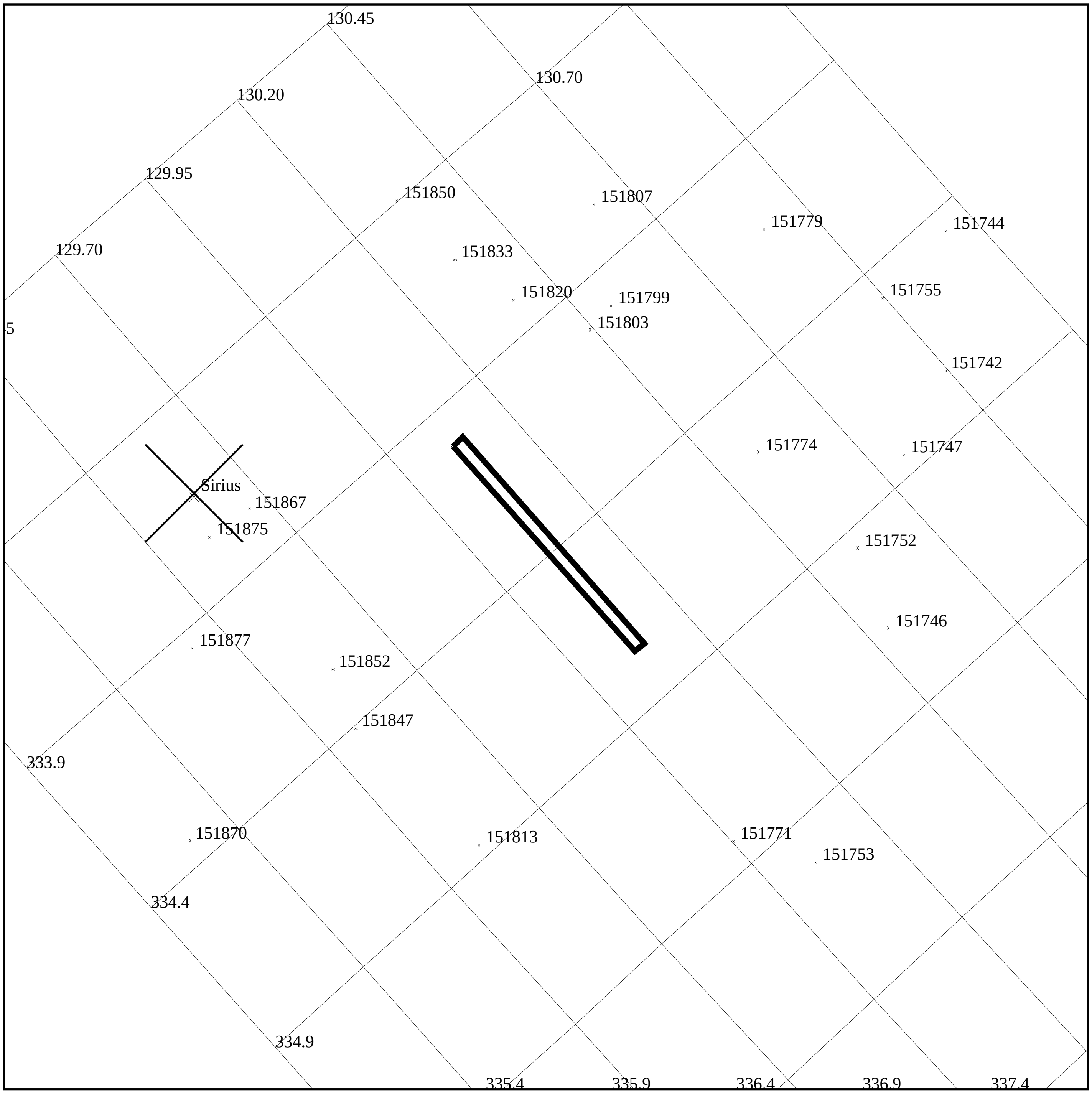

165DB:TT= 0 TMC= 1 C= 8.50 XC= 10.00 BS= 0/6433 TC=14(Sirius)
A= 728 pD= 0 SR= 8.000 RA50= 99.95 DEC50=-16.68 cone=130.08 clock=334.34

29HNDRKCAL01

DESIGN G3.2 yande: 2/21/2001 10:51: 2

FILE:P.29HNDRKCAL01

CENTRAL BODY:JUPITER III

MINI:m.29HNDRKCAL01

S/C EPH:/DATA/NAVIO/001024-tour.NS

PERIAPSIS: **THINNING:NIM 2**

START:SAT 01-112/16:14:57.066 +CDS 247:00:0 **BODY PLOT TIME:TARGET-TIME D= 0 S= 0.300**

OBSERVATION:29HNDRKCAL01 **DESCRIP:DARK_SKY_CALIBRATION**

NIMS Dark Calibration	ACTIVITY ID: 29HNDRKCAL01- START TIME: 01-112/20:17:37.066

Activity ID: Orbit 29 Target H Inst N OAPEL DRKCAL SeqNo 01 -

Title	NIMS Dark Calibration			Instrument	NIMS
Requestor	NIMS-SWG/M. SEGURA	Team	NIMS	Working Group	SWG

Time System	CDS	Load ID		Calendar Date	04/22/00	Week	16

Start	SAT+CDS 00000240:00:0	01-112/20:17:37.066	SAT+000/04:02:40.000
End	SAT+CDS 00000252:85:0	01-112/20:30:41.733	SAT+000/04:15:44.666
Duration	00000012:85:0	000/00:13:04.666	000/00:13:04.666

Top Label 29HNDRKCAL01-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	275	Report Options	BOTH	Scan Platform	Yes
CDS Source	OAP	Spin State	DUAL	DMS	No

Observation Objective

This observation is a NIMS dark calibration using dark sky.
The calibration data will be recorded.
All 4 gain states will be used.

Data Returned

Design Detail

Dark Sky Calibration of all 4 gain states.

Target to Dark Sky
Record 1 Rim of each gain state (2, 4, 1 and 3).

Aliases: 29HNDRKCAL01 Gain State 1
29HNDRKCAL02 Gain State 2
29HNDRKCAL03 Gain State 3
29HNDRKCAL04 Gain State 4

SPACECRAFT IN CRUISE MODE - UNCOMPENSATED SPACECRAFT WOBBLE PRESENT

Fixed Long Map (XLM), Gain 2,4,3,1 Grating Start 0, MPW, LM442, LM360

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NIMS RCT Calibration

ACTIVITY ID: 29NNRCTCAL01-
START TIME: 01-113/14:04:20.400

Activity ID: Orbit 29 Target N Inst N OAPEL RCTCAL SeqNo 01 -

Title	NIMS RCT Calibration			Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team	NIMS	Working Group	AWG

Time System CDS Load ID Calendar Date 04/23/00 Week 17

Start	RTA+CDS 00000725:00:0	01-113/14:04:20.400	RTA+000/12:13:03.333
End	RTA+CDS 00000773:78:0	01-113/14:53:44.400	RTA+000/13:02:27.333
Duration	00000048:78:0	000/00:49:24.000	000/00:49:24.000

Top Label 29NNRCTCAL01-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	450	Report Options	BOTH	Scan Platform	No
CDS Source	OAP	Spin State	DUAL	DMS	No

Observation Objective

This observation is a NIMS radiometric calibration using the RCT target. The data will be used to calibrate the NIMS thermal detectors. The calibration data will be recorded.

This calibration will also be used to prepare for later RCT calibrations when the spacecraft power constraints will not allow the RCT heaters to be on while moving the scan platform. To prepare for this eventuality, this calibration will also watch the RCT cool off for 5 Rims to calibrate the RCT cooling rate for use with future RCT calibrations.

Data Returned

Design Detail

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
4) Pause playback before using scan platform.
5) Slew to Dark (cone = 119.7)
6) Slew to RCT (cone = 0.0)
7) Record 5 Rims
8) Turn off RCT Heaters.
9) Record 5 more Rims as RCT cools.
10) Slew scan platform to Safe position (cone = 153.0) .
11) Chopper off.

Detectors 9, 10, 11, 12, 13, 14, 15, 16, 17

Fixed Long Map (XLM), Gain 1, Grating Start 0, MPW, LM442, RCT216

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NIMS PCT Calibration	ACTIVITY ID:	29NNPCTCAL01-
	START TIME:	01-113/22:39:41.000

Activity ID: Orbit 29 Target N Inst N OAPEL PCTCAL SeqNo 01 -

Title	NIMS PCT Calibration			Instrument	NIMS
Requestor	NIMS-SWG/M. SEGURA	Team	NIMS	Working Group	SWG

Time System	CDS	Load ID		Calendar Date	04/23/00	Week	17

Start	PCT+CDS	00000000:00:0	01-113/22:39:41.400	PCT+000/00:00:00.000
End	PCT+CDS	00000000:00:0	01-114/01:06:37.733	PCT+000/00:00:00.000
Duration		00000000:00:0	000/02:26:56.000	000/00:00:00.000

Top Label	29NNPCTCAL01-
Bottom Label	

Plot Key	NIMS	Type	SCI		
CDS Bytes	275	Report Options	BOTH	Scan Platform	Yes
CDS Source	OAP	Spin State	DUAL	DMS	No

Observation Objective

This observation is a NIMS photometric calibration usint the PCT target.
The data will be used to calibrate the NIMS visible detectors.
The calibration data will be recorded.
A science-turn will be used to minimize the off-sun angle.
At this time the off-sun angle is about 0.0 degrees.

This a joint PCT calibration with SSI.

This is the last NIMS PCT Calibration.

Data Returned

Design Detail

1) Science Turn to 0.0 degrees sun angle.
2) Reload NIMS Flight Software.
3) Long Map, Gain State 4.
4) Record 2 RIMs of Dark.
5) Slew to PCT (cone 54.88, clock = 244.07)
6) Record 10 RIMs of PCT.
7) SSI PCT Calibration.
8) NIMS to Safe Mode.
9) Chopper Off.
10) Science Turn to Earth Pointing.

Detectors 1, 2, 4, 5, 6, 7, 9, 10, 11

Fixed Long Map (XLM), Gain 4, Grating Start 0, MPW, LM408, PCT216

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