NIMS LUNAR POLAR AND PHASE COVERAGE ACTIVITY ID: E2LNPHASE 05*
5 OF 11 START TIME: ECA-CDS 00000711:00:0

Activity ID Orbit E2 Target L Inst N OAPEL PHASE SeqNo 05 Multi *
Title NIMS Lunar Polar and Phase Coverage
Requestor J. HUI Working Group
Bottom Label Plot Key NIMS Science Team NIMS

Time System CDS Load ID EE11 Calendar Date / / Week

Start	ECA-CDS 00000711:00:0	92-343/03:10:31	ECA-000/11:58:54
End	ECA-CDS 00000693:00:0	92-343/03:28:43	ECA-000/11:40:42
Duration	00000018:00:0	000/00:18:12	000/00:18:12

Inertial SP Y Earth Ref N Spin Stat D Coop Imag T DSP .F. RSTrack

RECORD: Format Record Duration Tic Duration
Multiple Records Acq Start/Stop Cycles 0 Start Tics 0 Track

Instrument Compression:

DDS F	SSI T	PWS F	EUV F	EPD F	NIM%	UVS F
MAG F	AACS	PWSW	HIC F	PPR F	NIMS T	PLS F

REALTIME: RTS FORMAT RTS Rate Playback Duration

DDS	EUV	PLS	EPD	NIMS
MAG	HIC	PWS	UVS	OPNAV

Tracks 0.0000 Bits-to-Ground 0 Playback S/S Cycles 0

Observation Objective

NIMS Lunar polar observation and phase coverage for part of the phase curve; the phase angle ranges from 78.3 to 73.8 degrees.

Design Detail

CDS 0 POINTER Design Y Frames 0.00 Exc Alias E2LSLUNMOS04

NIMS is in Fixed Spectrometer mode (XS) with a slew rate of 1.2 mrad/sec.
NIMS will get a jailbars observation over the illuminated side of the moon.

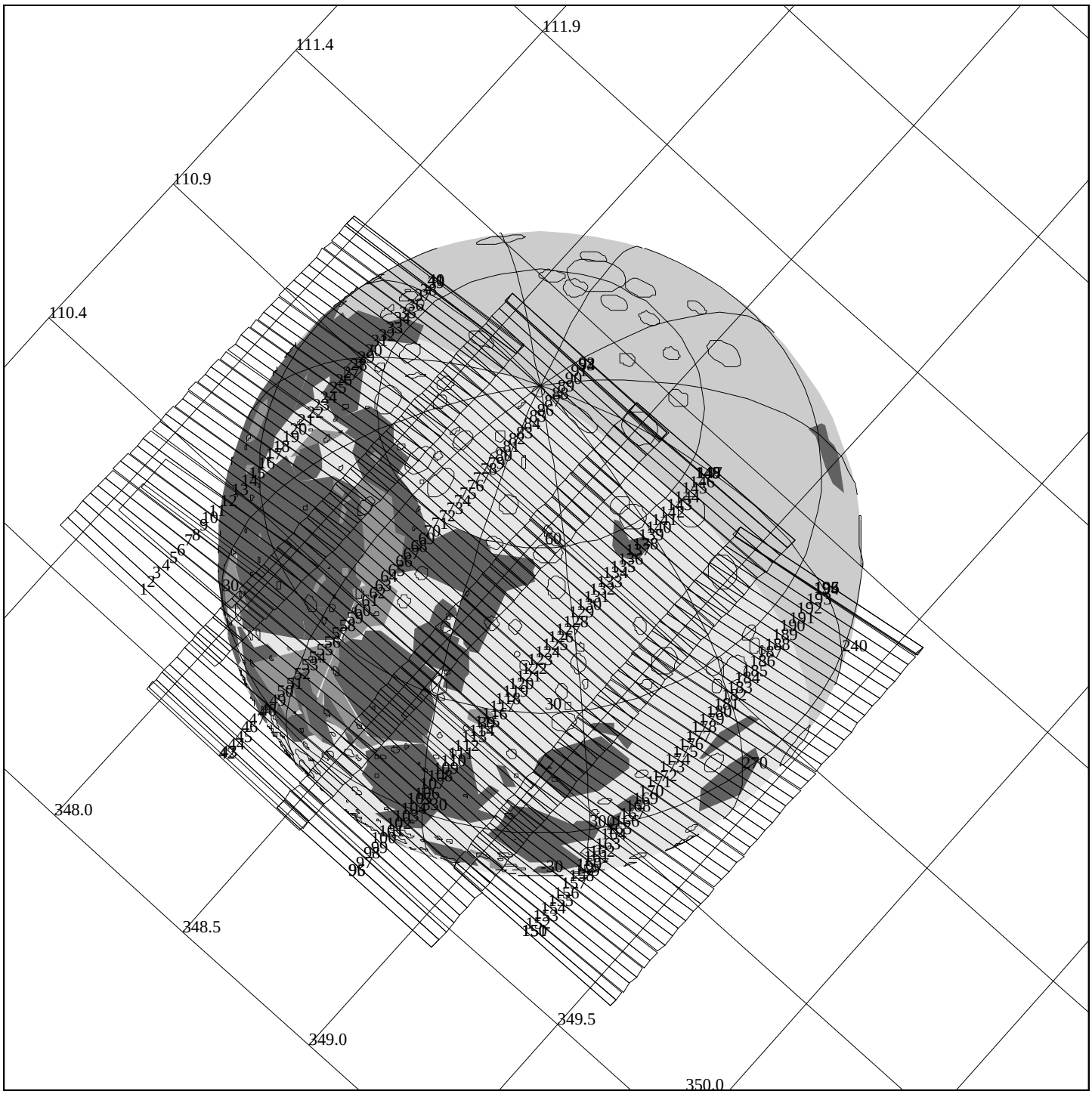
Fixed Spectrometer (XS) (XM with MPT to turn off mirror scan)
Gain State 1
Grating Start Position 6
Chopper Mode 63 Hz

Mosaic: Five swaths, limb to terminator, Z scan, starting near the lower left side of the pointer plot.

SSI PICNOS: E2L0360 - E2L0469

Created on	02/24/92	Version	27	|07/18/94
Last Changed	11/30/92	Changed By	C. BYRNE	|14:50:48

Galileo Activity Plan Form rev 6/93



E2LNHIRES_01

POINTER C5.1

FILE:P.E2LNHIRES_01

CENTRAL BODY: MOON

MINI:m.E2LNHIRES_01

S/C EPH:/gptr/eph/E2IDA-111491.t

PERIAPSIS:92-343/15:10:23

START:92-343/03:29:43.466

ACTIVITY:E2LNHIRES_01 **DESCRIP:TARGET TO MOON FOR HIRES**

NIMS HI SPATIAL-RESOLUTION MOON OBS. ACTIVITY ID: E2LNHIRES 01*
START TIME: ECA-CDS 00000692:00:0

Activity ID Orbit E2 Target L Inst N OAPEL HIRES SeqNo 01 Multi *
Title NIMS Hi Spatial-Resolution Moon Obs.
Requestor J. HUI Working Group
Bottom Label Plot Key NIMS Science Team NIMS

Time System CDS Load ID EE11 Calendar Date / / Week

Start	ECA-CDS 00000692:00:0	92-343/03:29:44	ECA-000/11:39:41
End	ECA-CDS 00000636:00:0	92-343/04:26:21	ECA-000/10:43:04
Duration	00000056:00:0	000/00:56:37	000/00:56:37

Inertial SP Y Earth Ref N Spin Stat D Coop Imag T DSP .F. RSTrack

RECORD: Format Record Duration Tic Duration
Multiple Records Acq Start/Stop Cycles 0 Start Tics 0 Track

Instrument Compression:

DDS F	SSI T	PWS F	EUV F	EPD F	NIM%	UVS F
MAG F	AACS	PWSW	HIC F	PPR T	NIMS T	PLS F

REALTIME: RTS FORMAT RTS Rate Playback Duration

DDS	EUV	PLS	EPD	NIMS
MAG	HIC	PWS	UVS	OPNAV

Tracks 0.0000 Bits-to-Ground 0 Playback S/S Cycles 0

Observation Objective

NIMS highest spatial resolution polar view and part of phase curve; phase angle ranges from 73.4 to 58.7 degrees.

Design Detail

CDS 290 POINTER Design Y Frames 0.00 Exc Alias

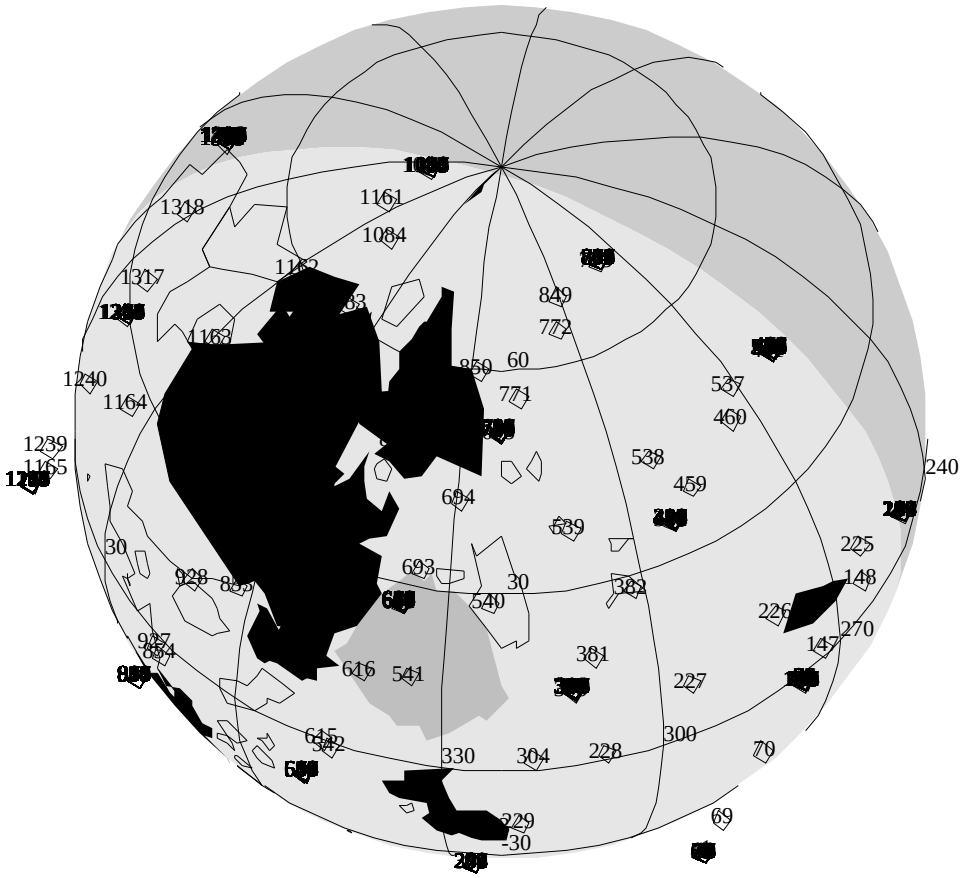
This observation covers all of the illuminated side of the Moon and the North pole with a spatial resolution of 56 km. The scan is at 0.03 mrad/sec (Double Nyquist slew rate for proper registration) with 4 swaths in Full Map mode (FM), 204 wavelengths, over 56 Rims.

Full Map (FM), 204 wavelengths
Gain State 1
Grating Start Position 0
Chopper Mode 63 Hz

Mosaic: Four swaths, limb to terminator, Z scan, starting at the far left side of the pointer plot.
SSI PICNOS: E2L0480 - E2L0591

Created on	02/24/92	Version	27	|	07/18/94
Last Changed	11/30/92	Changed By	C. BYRNE	|	14:50:52

Galileo Activity Plan Form rev 6/93



E2LNPHASE_06

POINTER C5.1

FILE:P.E2LSLUNMOS05

CENTRAL BODY: MOON

MINI:m.E2LSLUNMOS05

S/C EPH:/gptr/eph/E2IDA-111491.t

PERIAPSIS:92-343/15:10:23

START:92-343/04:29:22.800

ACTIVITY:E2LSLUNMOS05 **DESCRIP:SSI HIGHEST PRIORITY-6 COLOR LUN**

NIMS LUNAR POLAR AND PHASE COVERAGE ACTIVITY ID: E2LNPHASE 06*
6 OF 11 START TIME: ECA-CDS 00000635:00:0

Activity ID Orbit E2 Target L Inst N OAPEL PHASE SeqNo 06 Multi *
Title NIMS Lunar Polar and Phase Coverage
Requestor J. HUI Working Group
Bottom Label Plot Key NIMS Science Team NIMS

Time System CDS Load ID EE11 Calendar Date / / Week

Start	ECA-CDS 00000635:00:0	92-343/04:27:22	ECA-000/10:42:03
End	ECA-CDS 00000617:00:0	92-343/04:45:34	ECA-000/10:23:51
Duration	00000018:00:0	000/00:18:12	000/00:18:12

Inertial SP Y Earth Ref N Spin Stat D Coop Imag T DSP .F. RSTrack

RECORD: Format Record Duration Tic Duration
Multiple Records Acq Start/Stop Cycles 0 Start Tics 0 Track

Instrument Compression:

DDS F	SSI T	PWS F	EUV F	EPD F	NIM%	UVS F
MAG F	AACS	PWSW	HIC F	PPR F	NIMS T	PLS F

REALTIME: RTS FORMAT RTS Rate Playback Duration

DDS	EUV	PLS	EPD	NIMS
MAG	HIC	PWS	UVS	OPNAV

Tracks 0.0000 Bits-to-Ground 0 Playback S/S Cycles 0

Observation Objective

NIMS Lunar polar observation and phase coverage for part of the phase curve; the phase angle ranges from 58.4 to 54 degrees.

Design Detail

CDS 23 POINTER Design Y Frames 0.00 Exc Alias E2LSLUNMOS05

NIMS is in Fixed Spectrometer mode (XS) with a slew rate of 1.2 mrad/sec.
NIMS will get a jailbars observation over the illuminated side of the moon.

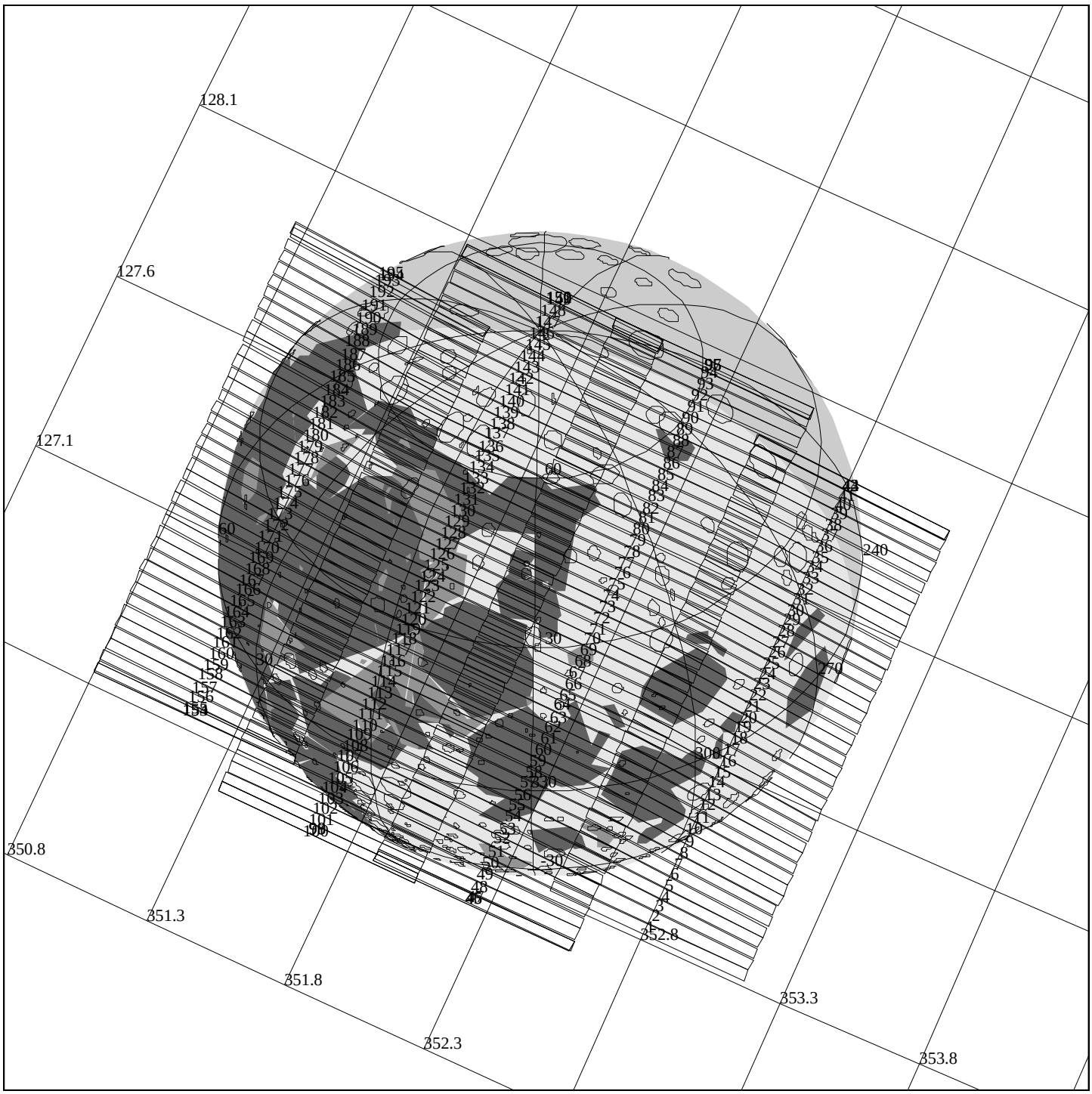
Fixed Spectrometer (XS) (XM with MPT to turn off mirror scan)
Gain State 1
Grating Start Position 6
Chopper Mode 63 Hz

Mosaic: Five swaths, limb to terminator, Z scan, starting near the lower right side of the pointer plot.

SSI PICNOS: E2L0600 - E2L0707

Created on	02/24/92	Version	16	|07/18/94
Last Changed	11/30/92	Changed By	C. BYRNE	|14:50:56

Galileo Activity Plan Form rev 6/93



E2LNPHASE_07

POINTER C5.1

FILE:P.E2LNPHASE_07

CENTRAL BODY: MOON

MINI:m.E2LNPHASE_07

S/C EPH:/gptr/eph/E2IDA-111491.t

PERIAPSIS:92-343/15:10:23

START:92-343/04:46:34.133

ACTIVITY:E2LNPHASE_07 **DESCRIP:TARGET TO MOON FOR PHASE7**

NIMS LUNAR POLAR AND PHASE COVERAGE ACTIVITY ID: E2LNPHASE 07-
7 OF 11 START TIME: ECA-CDS 00000616:00:0

Activity ID Orbit E2 Target L Inst N OAPEL PHASE SeqNo 07 Multi -
Title NIMS Lunar Polar and Phase Coverage
Requestor J. HUI Working Group
Bottom Label Plot Key NIMS Science Team NIMS

Time System CDS Load ID EE11 Calendar Date / / Week

Start	ECA-CDS 00000616:00:0	92-343/04:46:35	ECA-000/10:22:50
End	ECA-CDS 00000586:00:0	92-343/05:16:55	ECA-000/09:52:30
Duration	00000030:00:0	000/00:30:20	000/00:30:20

Inertial SP Y Earth Ref N Spin Stat D Coop Imag F DSP .F. RSTrack

RECORD: Format Record Duration Tic Duration
Multiple Records Acq Start/Stop Cycles 0 Start Tics 0 Track

Instrument Compression:

DDS F	SSI F	PWS F	EUV F	EPD F	NIM%	UVS F
MAG F	AACS	PWSW	HIC F	PPR F	NIMS T	PLS F

REALTIME: RTS FORMAT RTS Rate Playback Duration

DDS	EUV	PLS	EPD	NIMS
MAG	HIC	PWS	UVS	OPNAV

Tracks 0.0000 Bits-to-Ground 0 Playback S/S Cycles 0

Observation Objective

NIMS Lunar polar observation and phase coverage for part of the phase curve; phase angle ranges from 53.3 to 46 degrees.

Design Detail

CDS 240 POINTER Design Y Frames 0.00 Exc Alias

This observation covers all of the illuminated side of the Moon and the North Pole scanning at 0.06 mrad/sec (Double Nyquist slew rate for proper registration) with 4 swaths in Short Map mode (SM), 102 wavelengths.

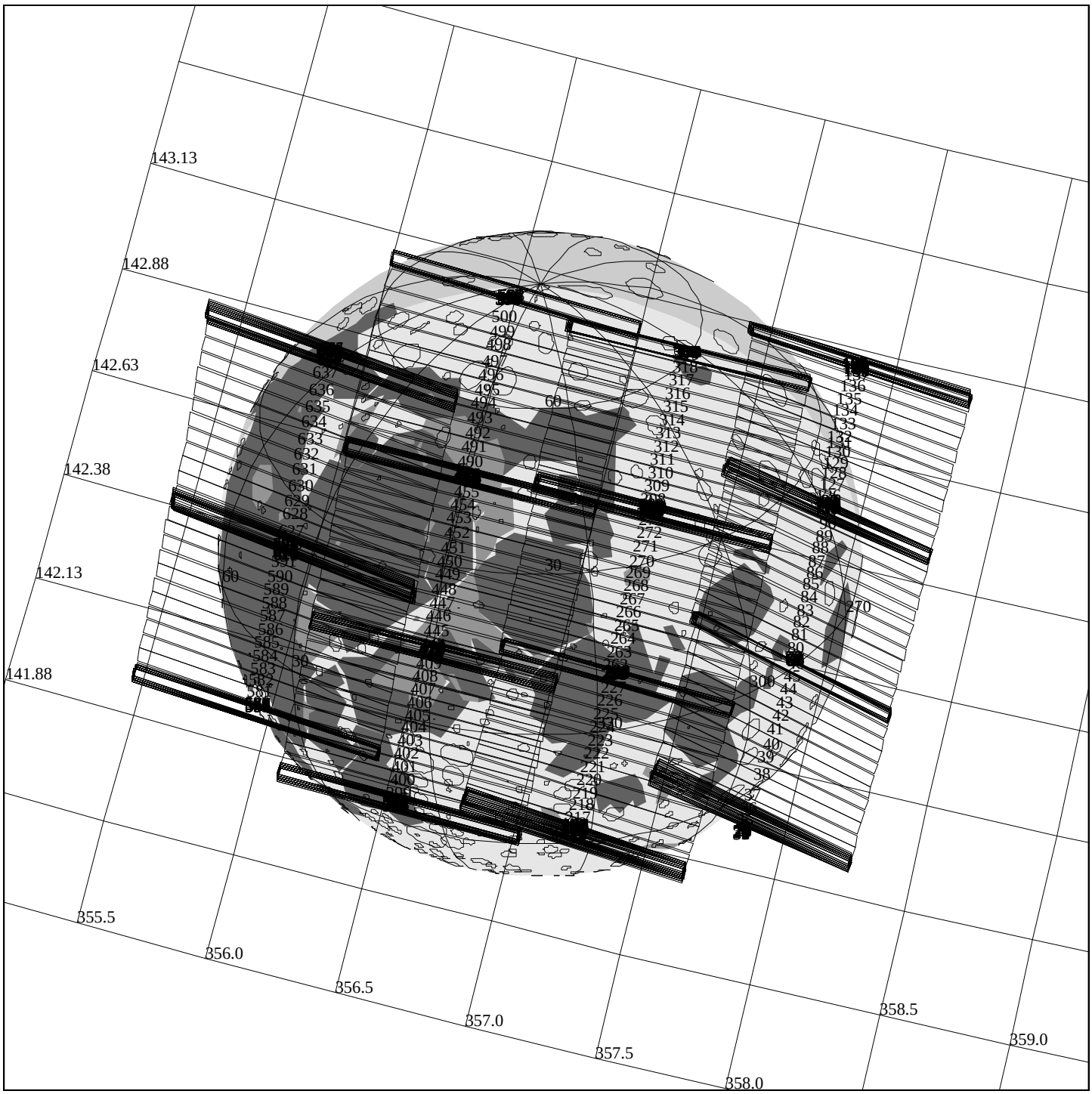
Short Map (SM) 102 wavelengths
Gain State 1
Grating Start Position 2
Chopper Mode 63 Hz

Mosaic: Four swaths, limb to terminator, Z scan, starting at the lower right side of the pointer plot.

SSI PICNOS: None

Created on	02/24/92	Version	19	|	07/18/94
Last Changed	11/30/92	Changed By	C. BYRNE	|	14:50:59

Galileo Activity Plan Form rev 6/93



E2LNPHASE_08

POINTER C5.1

FILE:P.E2LSLUNMOS06

CENTRAL BODY: MOON

MINI:m.E2LSLUNMOS06

S/C EPH:/gptr/eph/E2IDA-111491.t

PERIAPSIS:92-343/15:10:23

START:92-343/05:19:56.133

ACTIVITY:E2LSLUNMOS06 **DESCRIP:SSI PHASE ANGLE CVG/PHOTOMETRIC**

NIMS LUNAR POLAR AND PHASE COVERAGE ACTIVITY ID: E2LNPHASE 08*
8 OF 11 START TIME: ECA-CDS 00000585:00:0

Activity ID Orbit E2 Target L Inst N OAPEL PHASE SeqNo 08 Multi *
Title NIMS Lunar Polar and Phase Coverage
Requestor J. HUI Working Group
Bottom Label Plot Key NIMS Science Team NIMS

Time System CDS Load ID EE11 Calendar Date / / Week

Start	ECA-CDS 00000585:00:0	92-343/05:17:55	ECA-000/09:51:30
End	ECA-CDS 00000478:00:0	92-343/07:06:07	ECA-000/08:03:18
Duration	00000107:00:0	000/01:48:12	000/01:48:12

Inertial SP Y Earth Ref N Spin Stat D Coop Imag T DSP .F. RSTrack

RECORD: Format Record Duration Tic Duration
Multiple Records Acq Start/Stop Cycles 0 Start Tics 0 Track

Instrument Compression:

DDS F	SSI T	PWS F	EUV F	EPD F	NIM%	UVS F
MAG F	AACS	PWSW	HIC F	PPR T	NIMS T	PLS F

REALTIME: RTS FORMAT RTS Rate Playback Duration

DDS	EUV	PLS	EPD	NIMS
MAG	HIC	PWS	UVS	OPNAV

Tracks 0.0000 Bits-to-Ground 0 Playback S/S Cycles 0

Observation Objective

NIMS Lunar polar and phase coverage for phase angle 46 to 26.5 degrees for phase curve.

Design Detail

CDS 0 POINTER Design Y Frames 0.00 Exc Alias E2LSLUNMOS06

This observation covers almost all of the illuminated side of the Moon and the North Pole scanning at 0.06 mrad/sec (Double Nyquist slew rate for proper registration) with 4 swaths in Short Map mode (SM), 102 wavelengths.

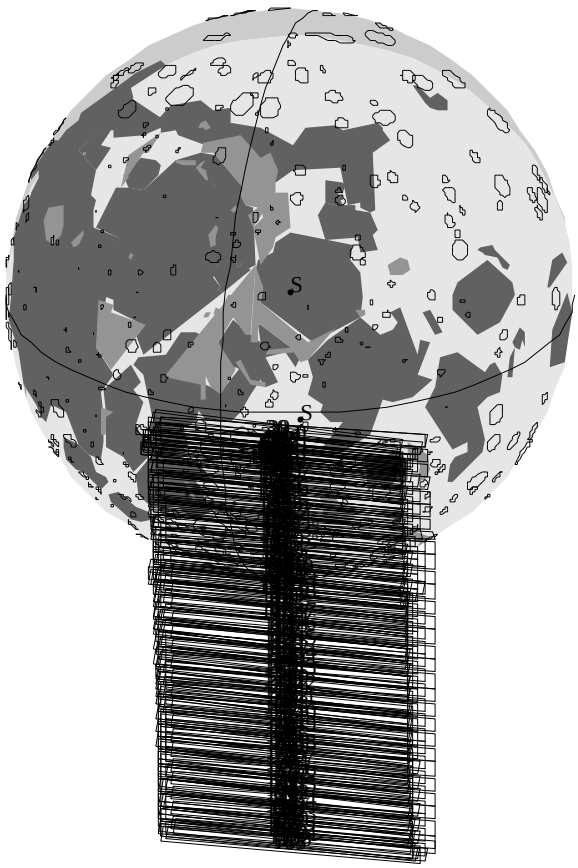
Short Map (SM) 102 wavelengths
Gain State 1
Grating Start Position 2
Chopper Mode 63 Hz

Mosaic: Four swaths, limb to terminator, Z scan, starting at the lower right side of the pointer plot.

SSI PICNOS: E2L0710 - E2L0813

Created on 02/24/92 Version 25 |07/18/94
Last Changed 11/30/92 Changed By C. BYRNE |14:51:03

Galileo Activity Plan Form rev 6/93



E2LNPHASE_09

POINTER C5.1

FILE:P.E2LPFOVMAP01

CENTRAL BODY: MOON

MINI:m.E2LPFOVMAP01

S/C EPH:/gptr/eph/E2IDA-111491.t

PERIAPSIS:92-343/15:10:23

START:92-343/07:08:07.466

ACTIVITY:E2LPFOVMAP01 **DESCRIP:LIMB CROSSING**

NIMS LUNAR POLAR AND PHASE COVERAGE ACTIVITY ID: E2LNPHASE 09*
9 OF 11 START TIME: ECA-CDS 00000477:00:0

Activity ID Orbit E2 Target L Inst N OAPEL PHASE SeqNo 09 Multi *
Title NIMS Lunar Polar and Phase Coverage
Requestor J. HUI Working Group
Bottom Label Plot Key NIMS Science Team NIMS

Time System CDS Load ID EE11 Calendar Date / / Week

Start	ECA-CDS 00000477:00:0	92-343/07:07:07	ECA-000/08:02:18
End	ECA-CDS 00000447:00:0	92-343/07:37:27	ECA-000/07:31:58
Duration	00000030:00:0	000/00:30:20	000/00:30:20

Inertial SP Y Earth Ref N Spin Stat D Coop Imag F DSP .F. RSTrack

RECORD: Format Record Duration Tic Duration
Multiple Records Acq Start/Stop Cycles 0 Start Tics 0 Track

Instrument Compression:

DDS F	SSI F	PWS F	EUV F	EPD F	NIM%	UVS F
MAG F	AACS	PWSW	HIC F	PPR T	NIMS T	PLS F

REALTIME: RTS FORMAT RTS Rate Playback Duration

DDS	EUV	PLS	EPD	NIMS
MAG	HIC	PWS	UVS	OPNAV

Tracks 0.0000 Bits-to-Ground 0 Playback S/S Cycles 0

Observation Objective

NIMS Lunar polar and phase coverage for phase angles 26.40 to 23 degrees for part of phase curve.

Design Detail

CDS 14 POINTER Design Y Frames 0.00 Exc Alias E2LPFOVMAP01

This observation consists of seven consecutive limb scans of the south limb of the Moon with the NIMS FOV (x-cone) parallel to the southern limb.

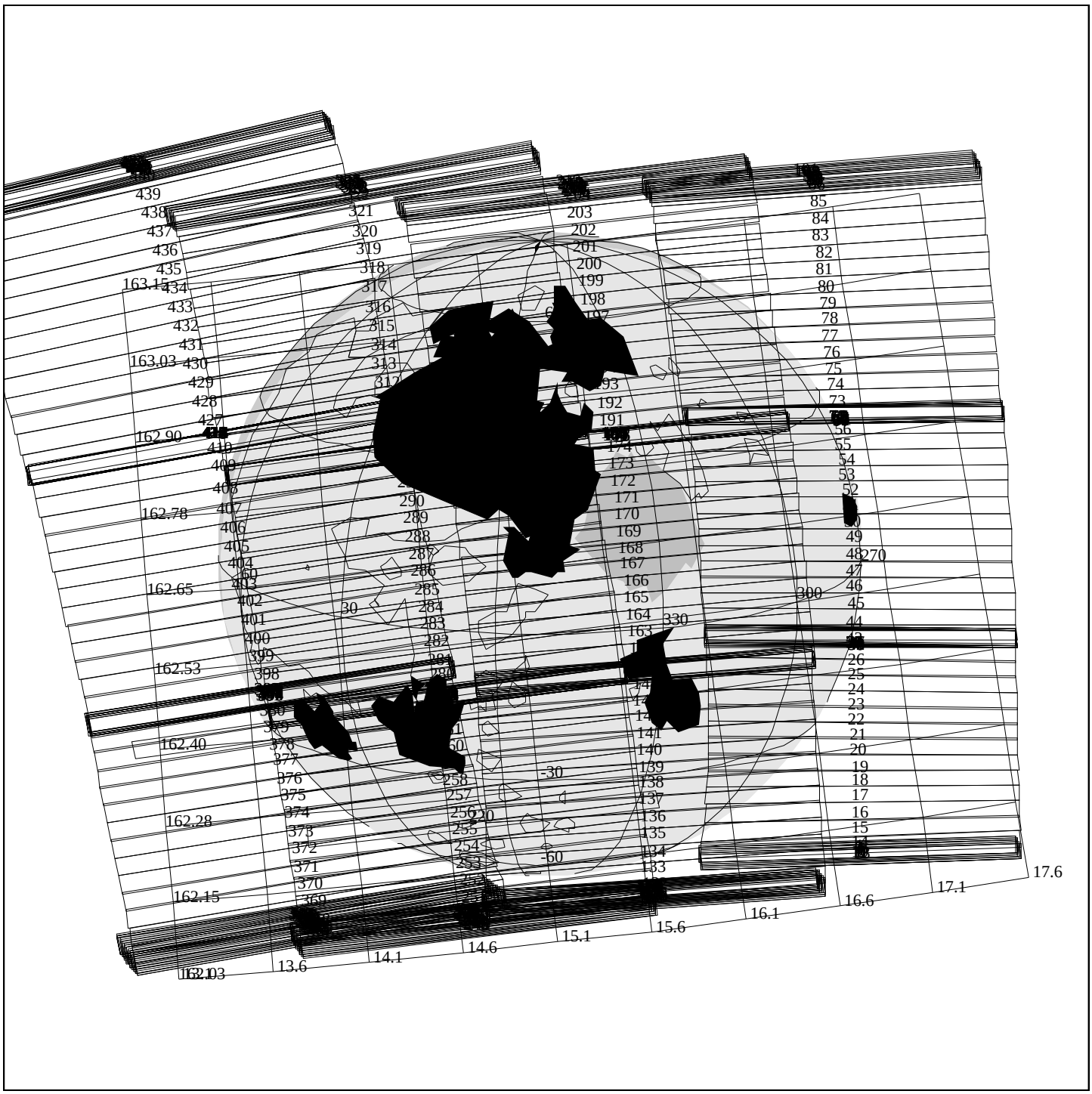
Fixed Map (XM)
Gain State 1
Grating Start Position 6
Chopper Mode 63 Hz

Mosaic: Seven limbs scans from dark to illuminated moon across the southern limb of the moon. The southern limb is parallel to the NIMS FOV (x-cone).

SSI PICNOS: E2L0820 - E2L0823

Created on	02/24/92	Version	17	|07/18/94
Last Changed	11/30/92	Changed By	C. BYRNE	|14:51:07

Galileo Activity Plan Form rev 6/93



E2LNPHASE_10

POINTER C5.1

FILE:P.E2LSLUNMOS07

CENTRAL BODY: MOON

MINI:m.E2LSLUNMOS07

S/C EPH:/gptr/eph/E2IDA-111491.t

PERIAPSIS:92-343/15:10:23

START:92-343/07:59:41.466

ACTIVITY:E2LSLUNMOS07 **DESCRIP:PPP**

NIMS LUNAR POLAR AND PHASE COVERAGE ACTIVITY ID: E2LNPHASE 10*
10 OF 11 START TIME: ECA-CDS 00000426:00:0

Activity ID Orbit E2 Target L Inst N OAPEL PHASE SeqNo 10 Multi *
Title NIMS Lunar Polar and Phase Coverage
Requestor J. HUI Working Group
Bottom Label Plot Key NIMS Science Team NIMS

Time System CDS Load ID EE11 Calendar Date / / Week

Start	ECA-CDS 00000426:00:0	92-343/07:58:41	ECA-000/07:10:44
End	ECA-CDS 00000329:00:0	92-343/09:36:46	ECA-000/05:32:39
Duration	00000097:00:0	000/01:38:05	000/01:38:05

Inertial SP Y Earth Ref N Spin Stat D Coop Imag T DSP .F. RSTrack

RECORD: Format Record Duration Tic Duration
Multiple Records Acq Start/Stop Cycles 0 Start Tics 0 Track

Instrument Compression:

DDS F	SSI T	PWS F	EUV F	EPD F	NIM%	UVS F
MAG F	AACS	PWSW	HIC F	PPR F	NIMS T	PLS F

REALTIME: RTS FORMAT RTS Rate Playback Duration

DDS	EUV	PLS	EPD	NIMS
MAG	HIC	PWS	UVS	OPNAV

Tracks 0.0000 Bits-to-Ground 0 Playback S/S Cycles 0

Observation Objective

NIMS Lunar polar and phase coverage for phase angles 20.9 to 14.8 degrees for phase curve.

Design Detail

CDS 14 POINTER Design Y Frames 0.00 Exc Alias E2LSLUNMOS07

This observation covers all of the illuminated full disk of the Moon scanning at 0.03 mrad/sec (Double Nyquist slew rate for proper registration) with 4 swaths in Full Map mode (FM), 204 wavelengths.

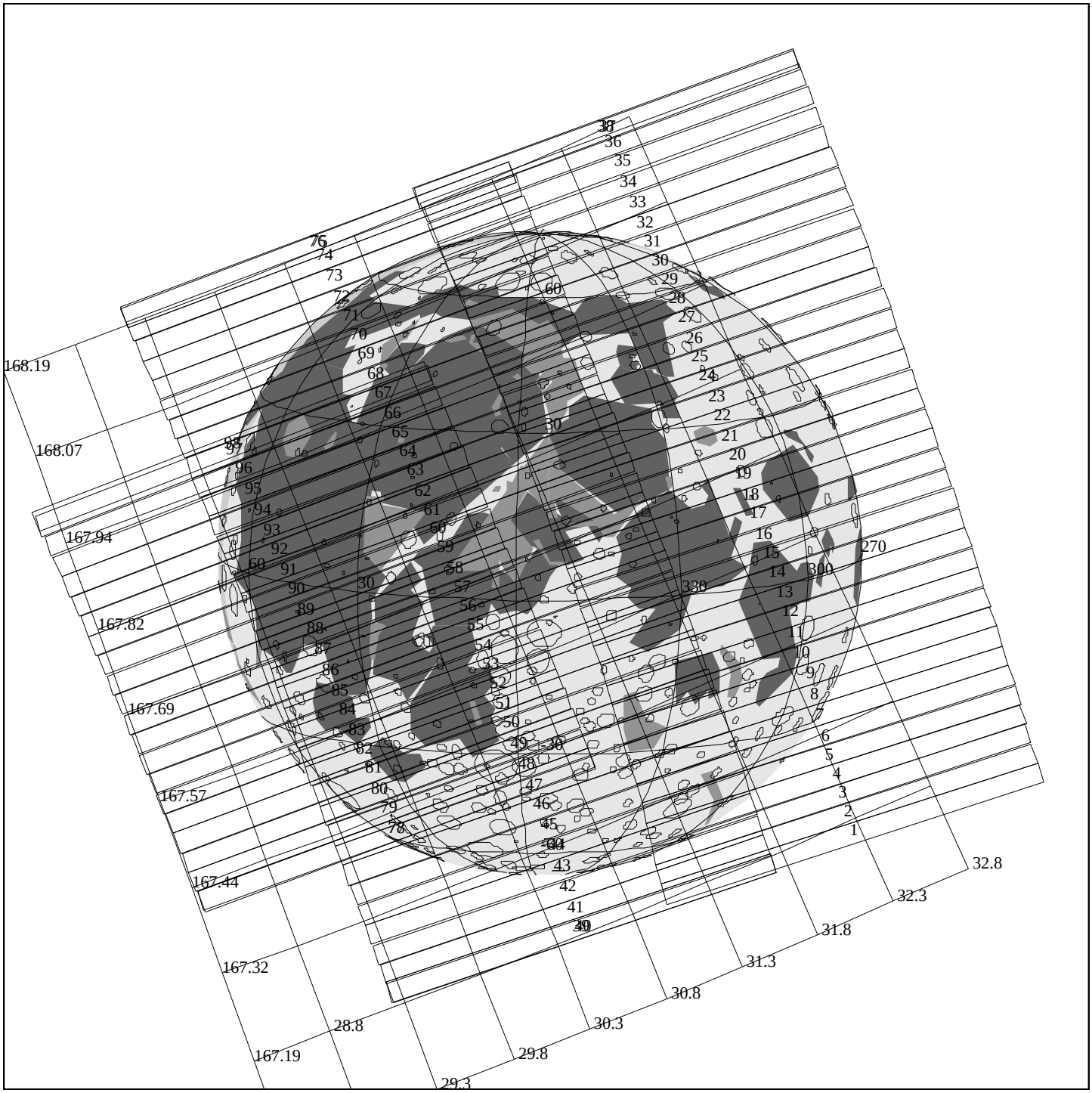
Full Map (FM) 204 wavelengths
Gain State 1
Grating Start Position 0
Chopper Mode 63 Hz

Mosaic: Four swaths, south to north, Z scan, starting at the lower right side of the pointer plot.

SSI PICNOS: E2L0830 - E2L1015

Created on	02/24/92	Version	25	|07/18/94
Last Changed	11/30/92	Changed By	C. BYRNE	|14:51:11

Galileo Activity Plan Form rev 6/93



E2LNPHASE_11

POINTER C5.1

FILE:P.E2LNPHASE_11

CENTRAL BODY: MOON

MINI:m.E2LNPHASE_11

S/C EPH:/gptr/eph/E2IDA-111491.t

PERIAPSIS:92-343/15:10:23

START:92-343/09:37:46.133

ACTIVITY:E2LNPHASE_11 **DESCRIP:TARGET TO MOON FOR PHASE11**

NIMS LUNAR POLAR AND PHASE COVERAGE ACTIVITY ID: E2LNPHASE 11-
11 OF 11 START TIME: ECA-CDS 00000328:00:0

Activity ID Orbit E2 Target L Inst N OAPEL PHASE SeqNo 11 Multi -
Title NIMS Lunar Polar and Phase Coverage
Requestor J. HUI Working Group
Bottom Label Plot Key NIMS Science Team NIMS

Time System CDS Load ID EE11 Calendar Date / / Week

Start	ECA-CDS 00000328:00:0	92-343/09:37:47	ECA-000/05:31:38
End	ECA-CDS 00000300:00:0	92-343/10:06:05	ECA-000/05:03:20
Duration	00000028:00:0	000/00:28:18	000/00:28:18

Inertial SP Y Earth Ref N Spin Stat D Coop Imag F DSP .F. RSTrack

RECORD: Format Record Duration Tic Duration
Multiple Records Acq Start/Stop Cycles 0 Start Tics 0 Track

Instrument Compression:

DDS F	SSI F	PWS F	EUV F	EPD F	NIM%	UVS F
MAG F	AACS	PWSW	HIC F	PPR F	NIMS T	PLS F

REALTIME: RTS FORMAT RTS Rate Playback Duration

DDS	EUV	PLS	EPD	NIMS
MAG	HIC	PWS	UVS	OPNAV

Tracks 0.0000 Bits-to-Ground 0 Playback S/S Cycles 0

Observation Objective

NIMS Lunar polar observation and phase coverage for part of the phase curve; phase angles range from 14.8 to 14.2 degrees.

Design Detail

CDS 194 POINTER Design Y Frames 0.00 Exc Alias

This observation covers all of the illuminated full disk of the Moon scanning at 0.03 mrad/sec (Double Nyquist slew rate for proper registration) with 3 swaths in Full Map mode (FM), 204 wavelengths.

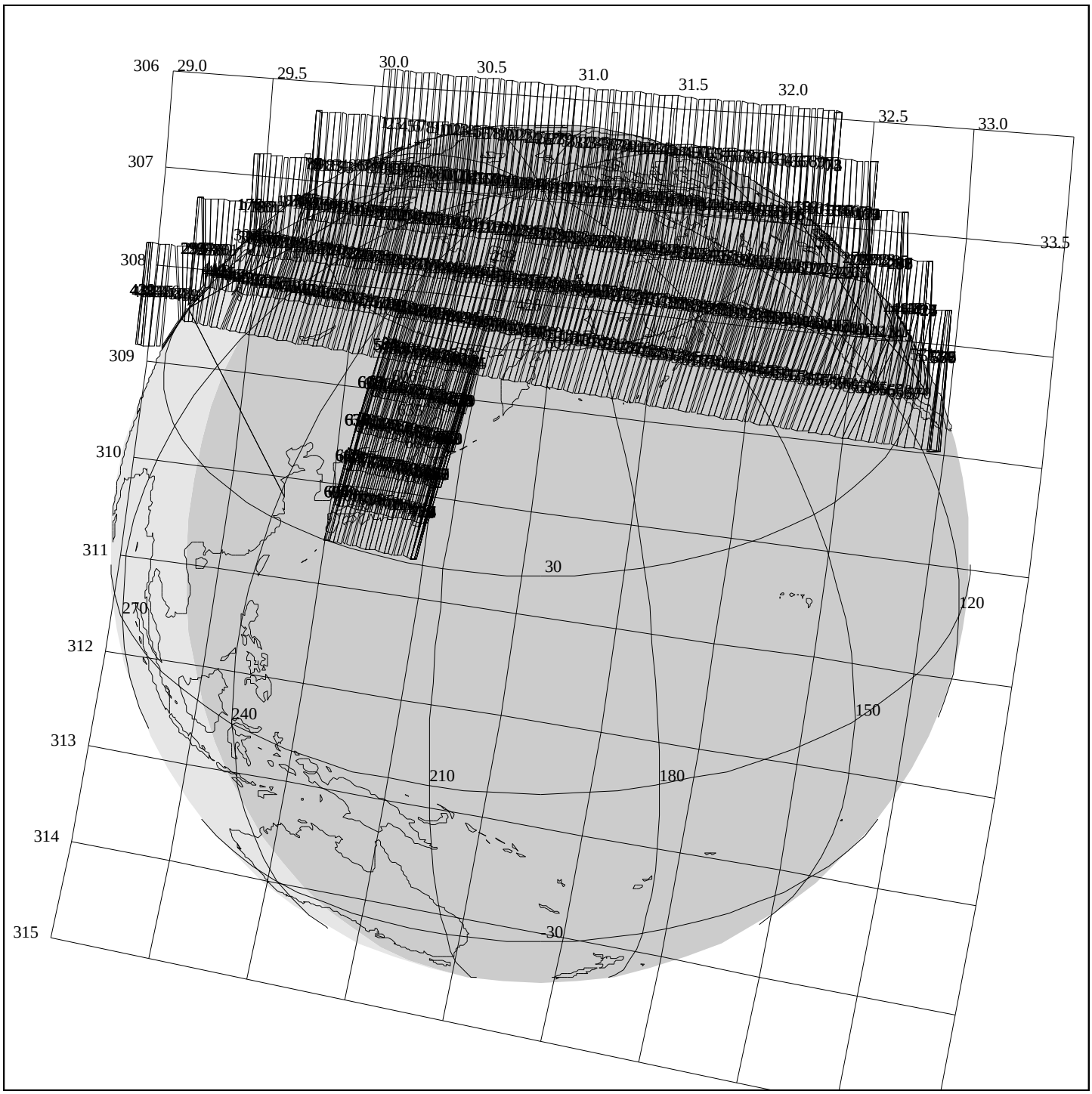
Full Map (FM) 204 wavelengths
Gain State 1
Grating Start Position 0
Chopper Mode 63 Hz

Mosaic: Three swaths, south to north, Z scan, starting at the lower right side of the pointer plot.

SSI PICNOS: None

Created on	02/24/92	Version	18	|	07/18/94
Last Changed	11/30/92	Changed By	C. BYRNE	|	14:51:16

Galileo Activity Plan Form rev 6/93



E2WNLOWCAL

POINTER C5.1

FILE:P.E2WNLOWCAL01

CENTRAL BODY:EARTH

MINI:m.E2WNLOWCAL01

S/C EPH:/gptr/eph/E2IDA-111491.t

PERIAPSIS:92-343/15:10:23

START:92-343/10:13:09.466

ACTIVITY:E2WNLOWCAL01 **DESCRIP:LOW LIGHT CAL**