```
EARTH LIGHT SIDE RADIATION BUDGET      ACTIVITY ID: E2WPBUDLIT01-
                                        START TIME: ECA+CDS 00000772:00:0

Activity ID  Orbit E2  Target W  Inst P  OAPEL BUDLIT  SeqNo 01  Multi -
Title        Earth Light Side Radiation Budget
Requestor    L. TAMPARRI                                 Working Group
Bottom Label                     Plot Key  PPR           Science Team   PPR

Time System  CDS       Load ID  EE11    Calendar Date    /  /    Week

Start        ECA+CDS 00000772:00:0   92-344/04:09:59   ECA+000/13:00:34
End          ECA+CDS 00000832:00:0   92-344/05:10:39   ECA+000/13:01:14
Duration             00000060:00:0      000/01:00:40       000/01:00:40

Inertial     SP N 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 T     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

The objective of this observation is to determine the radiation budget
of the Earth, and calibrate this technique for use at Jupiter.

                                Design Detail

 CDS   173  POINTER Design N  Frames     0.00  Exc      Alias

This observation will be one mosaic of the entire Earth.  It will have
cooperative imaging such as to cover the entire Earth.  The scan rate
will be approximately 0.06 mrad/sec.

Long Map (LM)
Gain State 1
Grating Start Position 0
Chopper Mode 63 Hz

SSI PICNOS:  E2W0700 - E2W0803

Created on      02/20/92      Version      2                    |07/18/94
Last Changed    03/10/92      Changed By  L. TAMPPARI           |14:50:20

Galileo Activity Plan Form                                       rev 6/93
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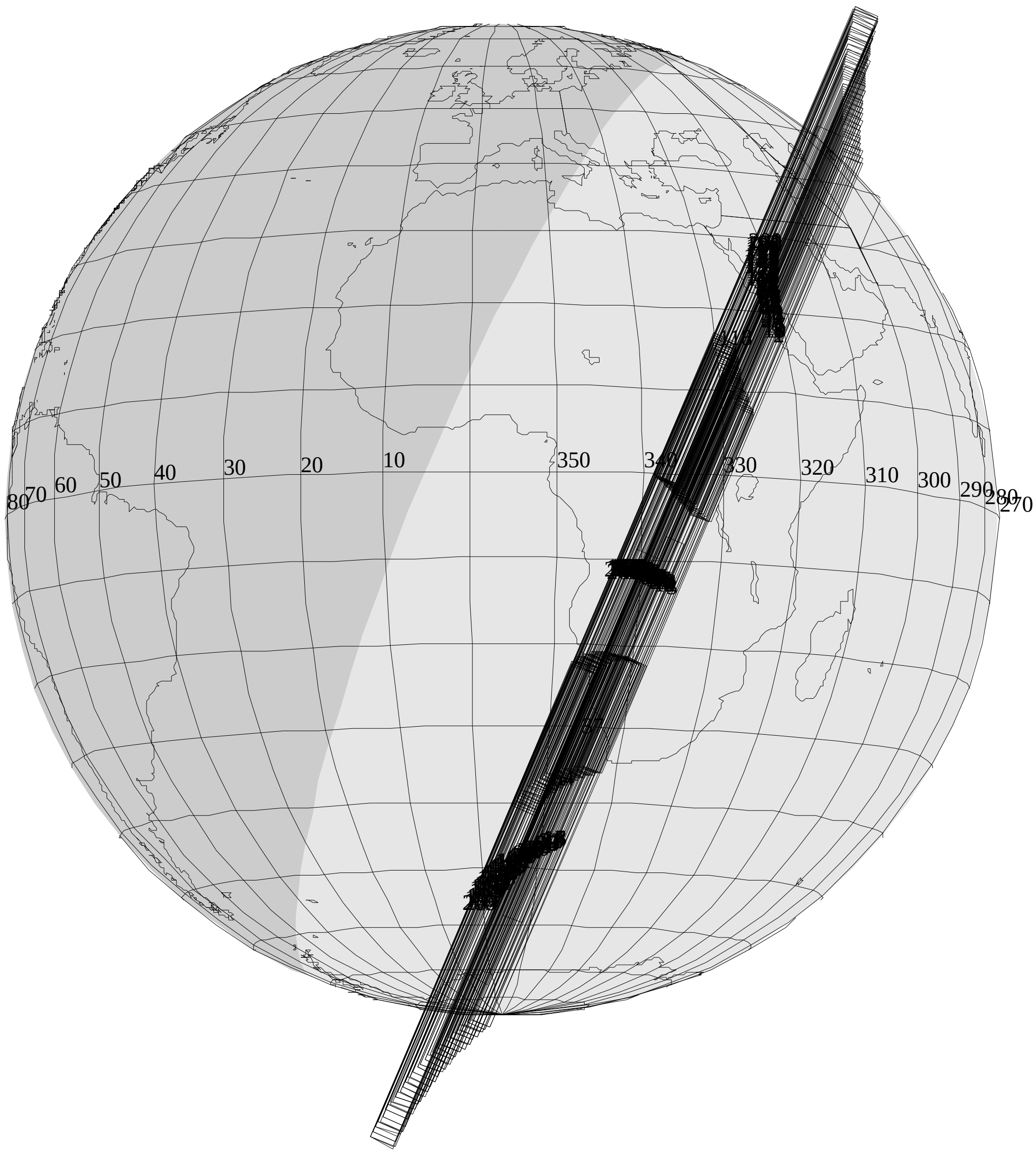


E2WNGMOS__02

POINTER C5.1

FILE:P.E2WSZOOMMV01

CENTRAL BODY:EARTH

MINI:m.E2WSZOOMMV01

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

PERIAPSIS:92-343/15:10:23

START:92-344/06:15:22.066

ACTIVITY:E2WSZOOMMV01 **DESCRIP:ZOOM MOVIE 1**

```
GLOBAL MOSAIC OF THE EARTH            ACTIVITY ID: E2WNGMOS  02*
- RIDEALONG                            START TIME: ECA+CDS 00000896:00:0

Activity ID  Orbit E2  Target W  Inst N  OAPEL GMOS    SeqNo 02  Multi *
Title        Global Mosaic of the Earth - Ridealong
Requestor    H. Breneman/R. LOPES                     Working Group
Bottom Label                     Plot Key  NIMS       Science Team   NIMS

Time System  CDS       Load ID  EE11    Calendar Date    /  /    Week

Start        ECA+CDS 00000896:00:0   92-344/06:15:22   ECA+000/15:05:57
End          ECA+CDS 00001190:00:0   92-344/11:12:38   ECA+000/20:03:13
Duration             00000294:00:0      000/04:57:16      000/04:57:16

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 F    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

To obtain a NIMS partial global mosaic of the Earth while SSI is doing Zoom movie number 1.

Design Detail

```
 CDS     0  POINTER Design Y  Frames     0.00  Exc      Alias  WSZOOMMV01
```

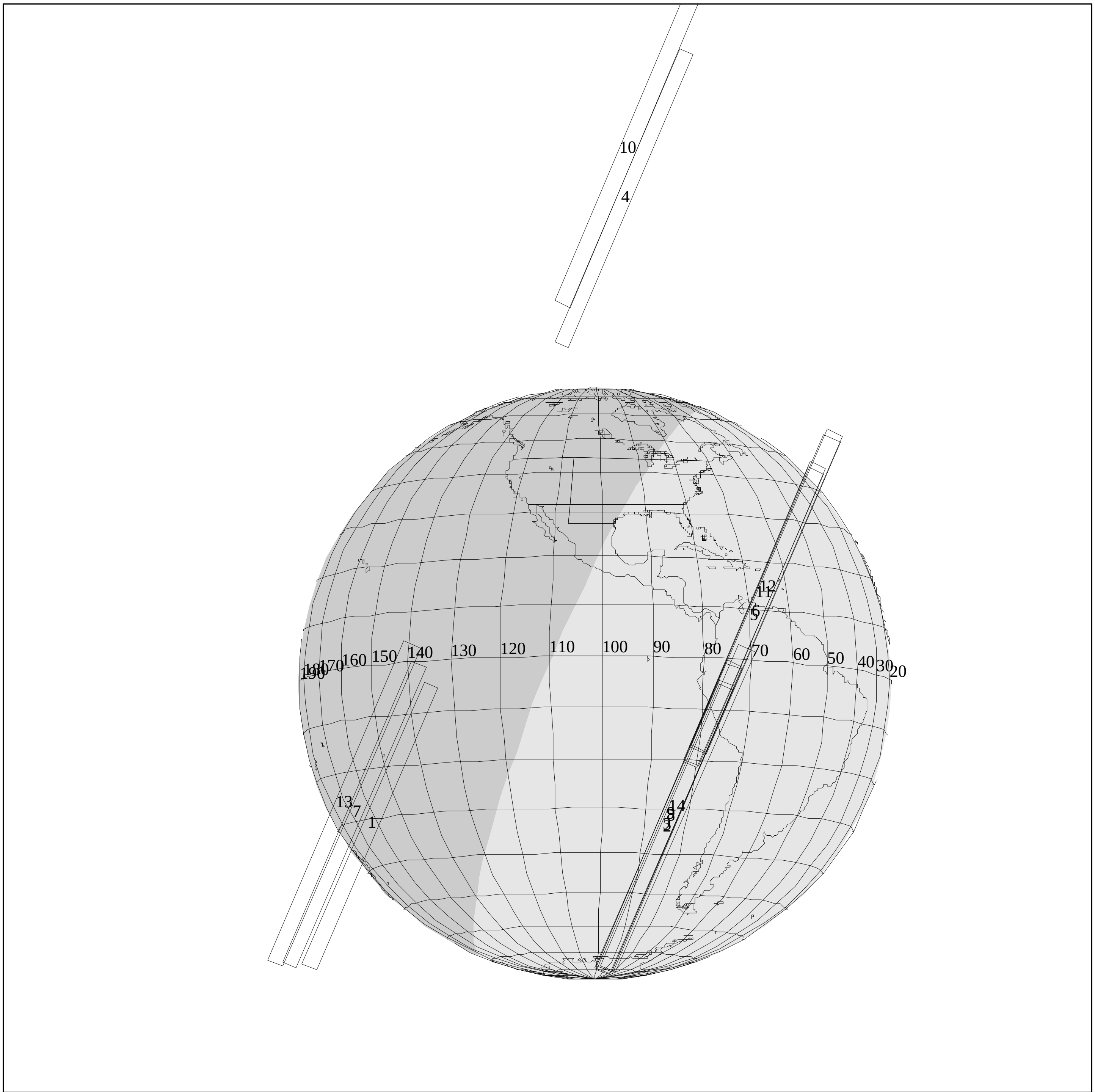
Ridealong with SSI observation. NIMS will be in Long Map mode for best determination of distributions of gaseous species.
Long Map
Gain State 1
Grating Start Position 0
Chopper Mode 63 Hz

Mosaic: The scan platform is not slewing. The Earth is rotating beneath at a constant distance from the Terminator (illuminated side) for nearly 5 hours. This gives a map of about 1/5 of the Earth at constant light angles.

SSI PICNOS: E2W0800 - E2W1395

```
Created on      02/05/92      Version     12                      |07/18/94
Last Changed    11/30/92      Changed By  C. BYRNE                |14:53:41
```

Galileo Activity Plan Form   rev 6/93



E2WNGOPEX_01

POINTER C5.1

FILE:P.E2WSGOPEX_01

CENTRAL BODY:EARTH

MINI:m.E2WSGOPEX_01

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

PERIAPSIS:92-343/15:10:23

START:92-344/11:13:38.733

ACTIVITY:E2WSGOPEX_01 **DESCRIP:GLL OPT EXPT 1**

GOPEX OBSERVATION ACTIVITY ID: E2WNGOPEX 01*
START TIME: ECA+CDS 00001191:00:0

Activity ID Orbit E2 Target W Inst N OAPEL GOPEX SeqNo 01 Multi *
Title GOPEX observation
Requestor H.Breneman/R. LOPES Working Group
Bottom Label Plot Key NIMS Science Team NIMS

Time System CDS Load ID EE11 Calendar Date / / Week

Start	ECA+CDS 00001191:00:0	92-344/11:13:39	ECA+000/20:04:14
End	ECA+CDS 00001369:00:0	92-344/14:13:37	ECA+000/23:04:12
Duration	00000178:00:0	000/02:59:58	000/02:59:58

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 "partial global mosaic" observation.

Design Detail

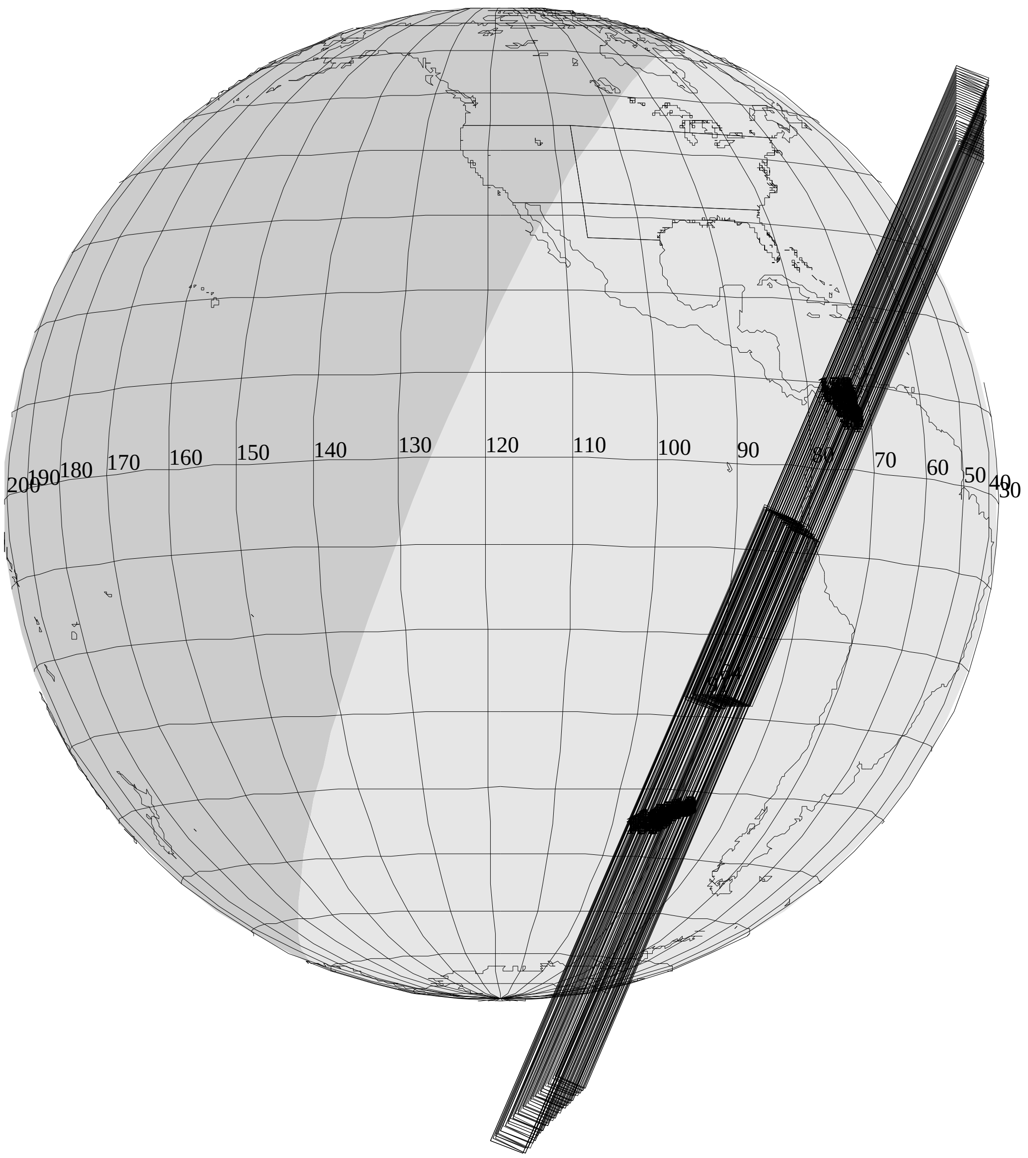
CDS 0 POINTER Design Y Frames 0.00 Exc Alias WSGOPEX_01

Ridealong with SSI Gopex observation (Global Optical Experiment) which will image the whole Earth. NIMS in Long Map mode.
Long Map
Gain State 1
Grating Start Position 0
Chopper Mode 63 Hz

Mosaic: The scan platform cycles between 4 inertial coordinate locations in a U pattern with the Earth rotating beneath. The two locations on the illuminated side of the Earth are at a constant distance from the Terminator for nearly 3 hours. This gives a map of about 1/8 of the Earth at constant light angles.
SSI PICNOS: E2W1400 - E2W1755

Created on 10/23/92 Version 3 |07/18/94
Last Changed 11/30/92 Changed By C. BYRNE |14:53:49

Galileo Activity Plan Form rev 6/93



E2WNGMOS__03

POINTER C5.1

FILE:P.E2WSZOOMMV02

CENTRAL BODY:EARTH

MINI:m.E2WSZOOMMV02

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

PERIAPSIS:92-343/15:10:23

START:92-344/14:16:39.400

ACTIVITY:E2WSZOOMMV02 **DESCRIP:ZOOM MOVIE 2**

```
GLOBAL MOSAIC OF THE EARTH            ACTIVITY ID: E2WNGMOS  03*
- RIDEALONG                            START TIME: ECA+CDS 00001072:00:0

Activity ID  Orbit E2  Target W  Inst N  OAPEL GMOS    SeqNo 03  Multi *
Title        Global Mosaic of the Earth - Ridealong
Requestor    H. Breneman/R. LOPES                     Working Group
Bottom Label                     Plot Key  NIMS       Science Team   NIMS

Time System  CDS       Load ID  EE11    Calendar Date    /  /    Week

Start        ECA+CDS 00001072:00:0   92-344/09:13:19   ECA+000/18:03:54
End          ECA+CDS 00001303:00:0   92-344/13:06:53   ECA+000/21:57:28
Duration             00000231:00:0      000/03:53:34      000/03:53:34

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 F    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

To obtain NIMS partial global mosaic of the Earth while SSI is doing Zoom movie number 2.

Design Detail

```
 CDS     0  POINTER Design Y  Frames     0.00  Exc      Alias  WSZOOMMV02
```

Ridealong with SSI observation. NIMS will be in Long Map mode for best determination of distributions of gaseous species.
Long Map
Gain State 1
Grating Start Position 0
Chopper Mode 63 Hz

Mosaic: The scan platform is not slewing. The Earth is rotating beneath at a constant distance from the Terminator (illuminated side) for nearly 4 hours. This gives a map of about 1/6 of the Earth at constant light angles.

SSI PICNOS: E2W1760 - E2W2223

```
Created on      02/05/92      Version     10                    |07/18/94
Last Changed    11/30/92      Changed By  C. BYRNE              |14:53:45
```

Galileo Activity Plan Form   rev 6/93

E2LSLUNCAL01

POINTER C5.1

FILE:P.E2LSLUNCAL01

CENTRAL BODY: MOON

MINI:m.E2LSLUNCAL01

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

PERIAPSIS:92-343/15:10:23

START:92-344/18:13:16.000

ACTIVITY:E2LSLUNCAL01 **DESCRIP:SSI LUNAR CALIBRATION (MTF)**

SSI PHOTOMETRIC MAPPING ACTIVITY ID: E2LSLUNCAL01-
START TIME: ECA+CDS 00001602:00:0

Activity ID Orbit E2 Target L Inst S OAPEL LUNMOS SeqNo 08 Multi -
Title SSI Photometric Mapping rage
Requestor SSI Working Group
Bottom Label Plot Key SSI Science Team SSI

Time System CDS Load ID EE11 Calendar Date / / Week

Start	ECA+CDS 00001602:00:0	92-344/18:09:13	ECA+000/02:59:48
End	ECA+CDS 00001605:00:0	92-344/18:12:15	ECA+000/03:02:50
Duration	00000003:00:0	000/00:03:02	000/00:03:02

Inertial SP N 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 T	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

SSI calibration (part of MTF calibration which rquires tape recorder).

Design Detail

CDS 297 POINTER Design N Frames 0.00 Exc Alias

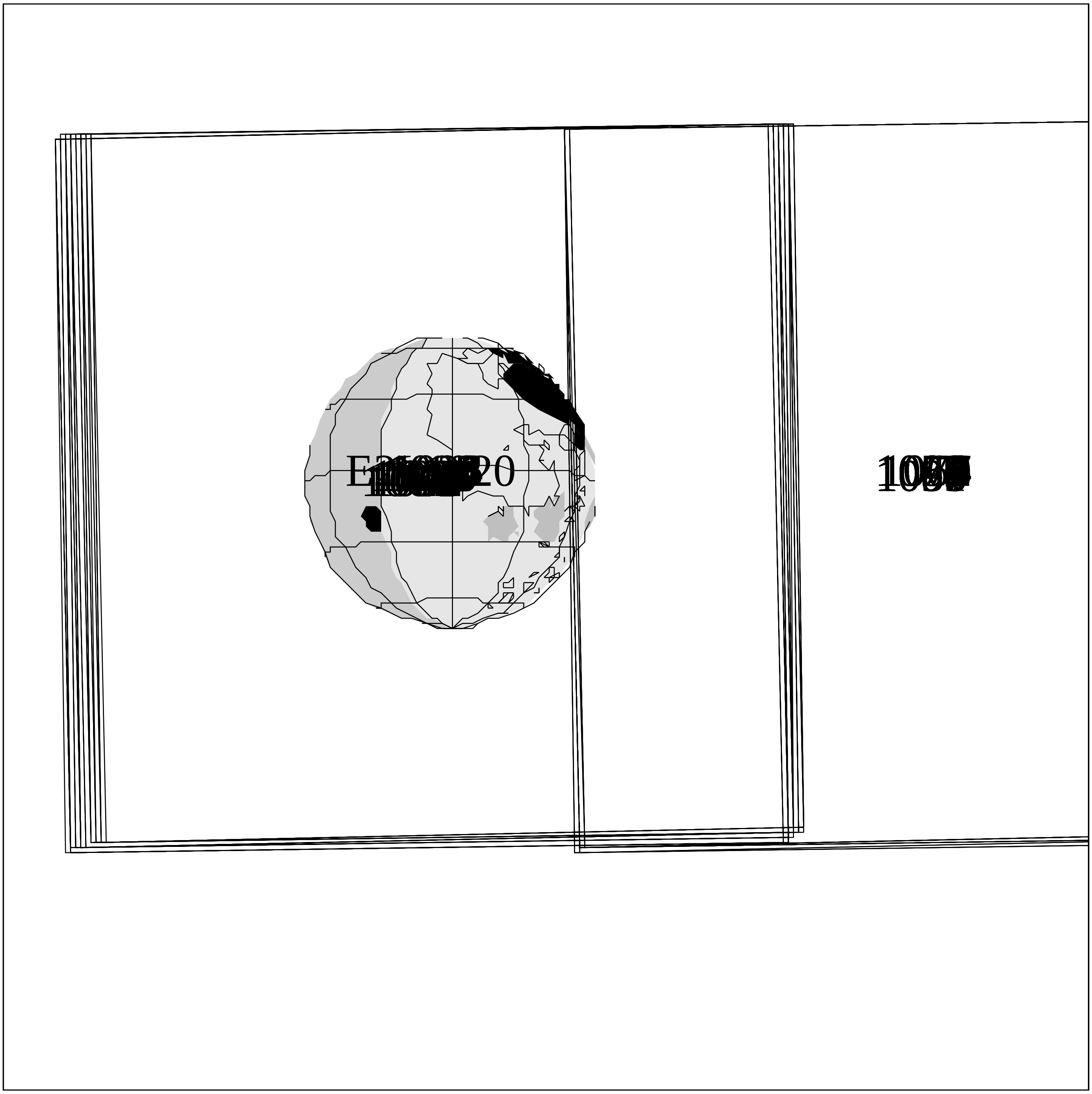
Approximately 60 degrees phase angle, 10.5 km/pix resolution (SSI), single position through all 8 filters in rad (400 e/pix) mode (2 1/3 sec imaging rate - recorded). Requires a lunar diameter of 1/4 to 1/2 SSI FOV between ECA + 22 hours and ECA + 53 hours. No TMC.
Assumed 2 rims for TARGET PA (previously looking at Earth).

Long Map (LM)
Gain State 1
Grating Start Position 0
Chopper Mode 63Hz

SSI PICNOS: E2L1010 - E2L1017

Created on Version |07/18/94
Last Changed Changed By SSI |14:50:20

Galileo Activity Plan Form rev 6/93



E2LSLUNCAL02

POINTER C5.1

FILE:P.E2LSLUNCAL02

CENTRAL BODY: MOON

MINI:m.E2LSLUNCAL02

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

PERIAPSIS:92-343/15:10:23

START:92-344/18:15:17.333

ACTIVITY:E2LSLUNCAL02 **DESCRIP:SSI MTF AND SCATTERED LIGHT CALI**

SSI PHOTOMETRIC MAPPING   ACTIVITY ID: E2LSLUNCAL02-
START TIME: ECA+CDS 00001606:00:0

Activity ID Orbit E2 Target L Inst S OAPEL LUNMOS SeqNo 08 Multi -
Title   SSI Photometric Mapping   rage
Requestor   SSI   Working Group
Bottom Label   Plot Key SSI   Science Team   SSI

Time System CDS   Load ID EE11   Calendar Date   / /   Week

Start	ECA+CDS 00001606:00:0	92-344/18:13:15	ECA+000/03:03:50
End	ECA+CDS 00001726:00:0	92-344/20:14:35	ECA+000/05:05:10
Duration	00000120:00:0	000/02:01:20	000/02:01:20

Inertial   SP N 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 T	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

Photometric mapping of the moon & SSI calibrations (scattered light and rest of MTF).

Design Detail

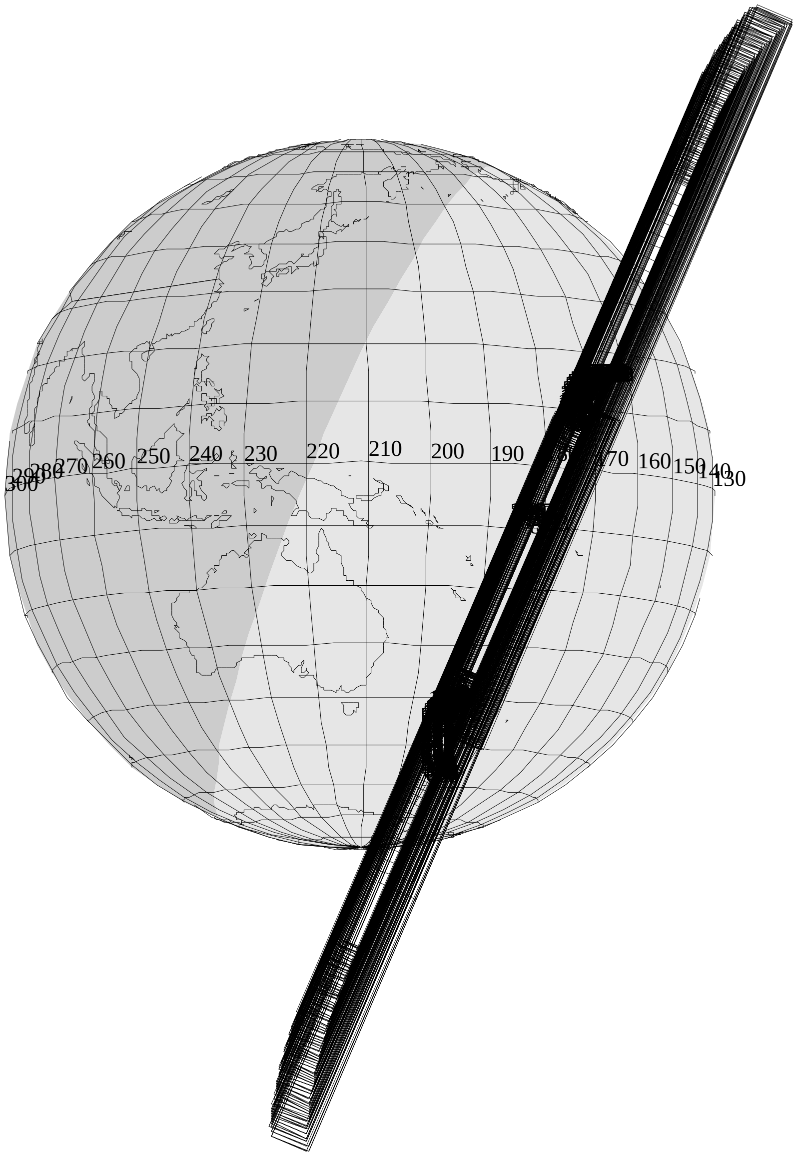
CDS   247 POINTER Design N Frames   0.00 Exc   Alias

Approximately 60 degrees phase angle, 10.5 km/pix resolution (SSI), single position through all filters for photometric mapping, and 3 gain states for MTF calibration (24 real time). (1 subSMOS used). Scattered light: 1x4 mosaic - MOON centered in SSI FOV for first position of mosaic then slew off of target. SMOS used, assumed four subSMOS.   Assume no TMC. However, the Moon is moving at approximately .0042 mrad/sec with respect to the s/c at this point so no re-target is needed for this observation (first part of TMC calibration occurs just before, lasts 1 rim, and is targeted at same area). Both TMC and scattered light calibrations require a lunar diameter of 1/4 to 1/2 SSI FOV which occurs between ECA + 22 hours and ECA + 53 hours.

Long Map (LM)
Gain State 1
Grating Start Position 0
Chopper Mode 63Hz
SSI PICNOS: E2L1020 - E2L1104

Created on   Version |07/18/94
Last Changed   Changed By SSI |14:50:20

Galileo Activity Plan Form   rev 6/93



E2WNGMOS__04

POINTER C5.1

FILE:P.E2WSZOOMMV03

CENTRAL BODY:EARTH

MINI:m.E2WSZOOMMV03

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

PERIAPSIS:92-343/15:10:23

START:92-344/20:28:45.333

ACTIVITY:E2WSZOOMMV03 **DESCRIP:ZOOM MOVIE 3**

GLOBAL MOSAIC OF THE EARTH - RIDEALONG

ACTIVITY ID: E2WNGMOS 04*
START TIME: ECA+CDS 00001740:00:0

Activity ID Orbit E2 Target W Inst N OAPEL GMOS SeqNo 04 Multi *
Title Global Mosaic of the Earth - Ridealong
Requestor H. Breneman/R. LOPES Working Group
Bottom Label Plot Key NIMS Science Team NIMS

Time System CDS Load ID EE11 Calendar Date / / Week

Start	ECA+CDS 00001740:00:0	92-344/20:28:45	ECA+001/05:19:20
End	ECA+CDS 00002607:00:0	92-344/11:05:23	ECA+001/19:55:58
Duration	00000867:00:0	000/14:36:38	000/14:36:38

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 F	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

To obtain NIMS partial global mosaic of the Earth while SSI is doing Zoom movie number 3.

Design Detail

CDS 0 POINTER Design Y Frames 0.00 Exc Alias WSZOOMMV03

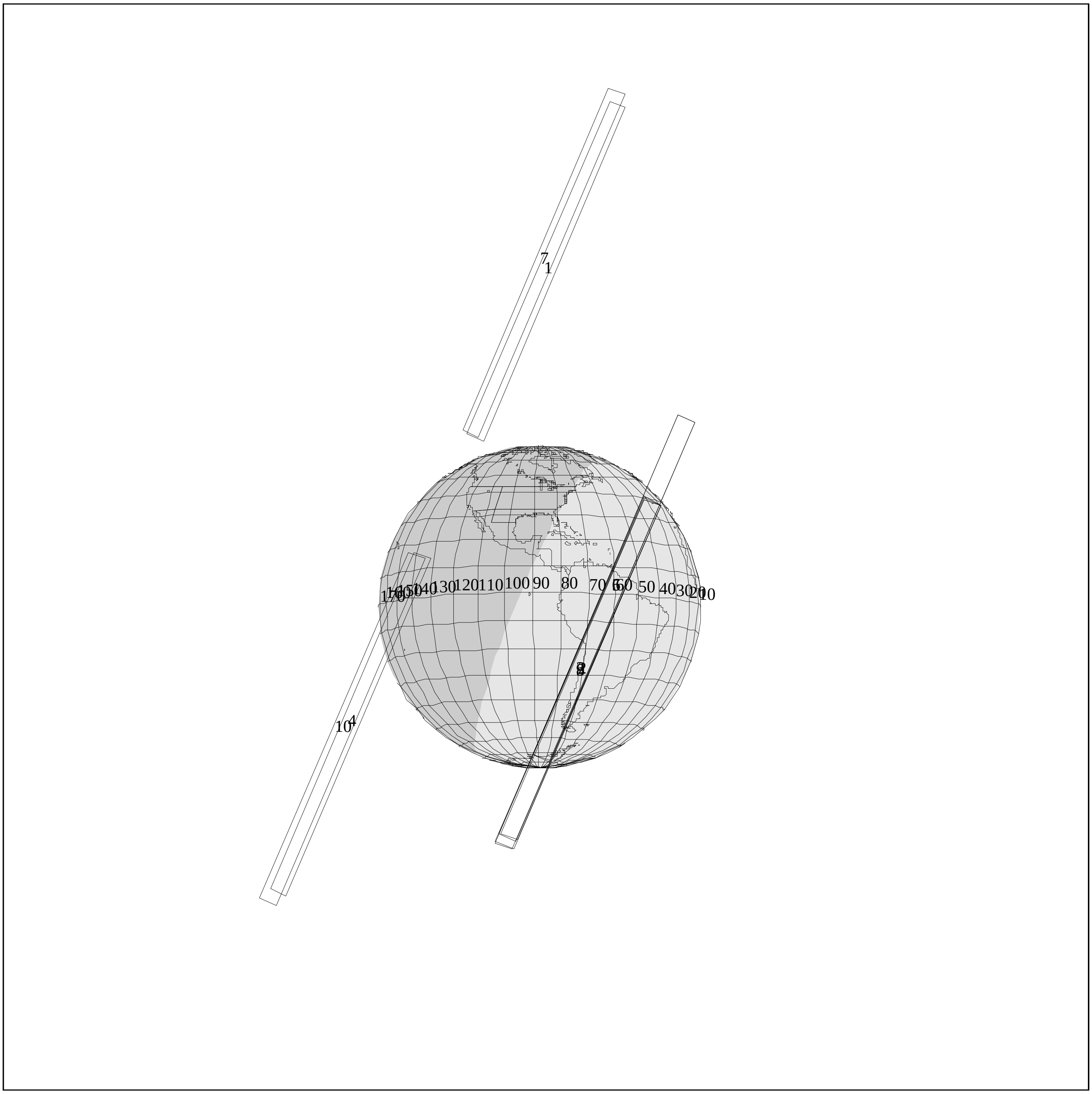
Ridealong with SSI observation. NIMS will be in Long Map mode for best determination of distributions of gaseous species.
Long Map
Gain State 1
Grating Start Position 0
Chopper Mode 63 Hz

Mosaic: The scan platform is not slewing. The Earth is rotating beneath at a constant distance from the Terminator (illuminated side) for nearly 15 hours. This gives a map of about 5/8 of the Earth at constant light angles.

SSI PICNOS: E2W2240 - E2W3115

Created on	02/05/92	Version	10	07/18/94
Last Changed	11/30/92	Changed By	C. BYRNE	14:53:45

Galileo Activity Plan Form rev 6/93



E2WNGOPEX_02

POINTER C5.1

FILE:P.E2WSGOPEX_02

CENTRAL BODY:EARTH

MINI:m.E2WSGOPEX_02

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

PERIAPSIS:92-343/15:10:23

START:92-345/11:06:24.000

ACTIVITY:E2WSGOPEX_02 **DESCRIP:GLL OPT EXPT 2**

GOPEX OBSERVATION

ACTIVITY ID: E2WNGOPEX 02*
START TIME: ECA+CDS 00002608:00:0

Activity ID Orbit E2 Target W Inst N OAPEL GOPEX SeqNo 02 Multi *
Title GOPEX observation
Requestor H.Breneman/R. LOPES Working Group
Bottom Label Plot Key NIMS Science Team NIMS

Time System CDS Load ID EE11 Calendar Date / / Week

Start	ECA+CDS 00002608:00:0	92-345/11:06:23	ECA+001/19:56:58
End	ECA+CDS 00002728:00:0	92-345/13:07:43	ECA+001/21:58:18
Duration	00000120:00:0	000/02:01:20	000/02:01:20

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 "partial global mosaic" observation.

Design Detail

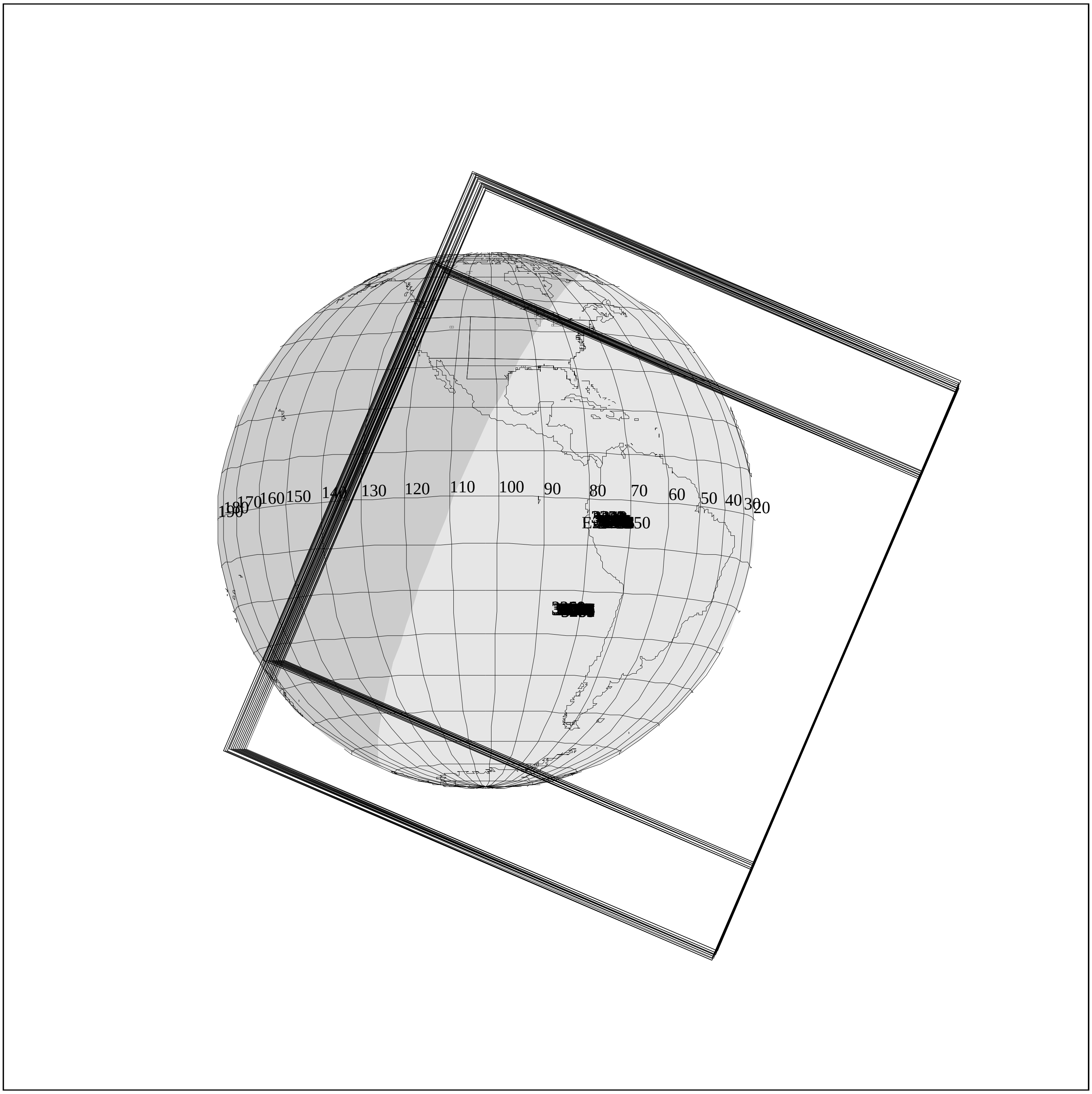
CDS 0 POINTER Design Y Frames 0.00 Exc Alias WSGOPEX_02

Ridealong with SSI Gopex observation (Global Optical Experiment) which will image the whole Earth. NIMS in Long Map mode.
Long Map
Gain State 1
Grating Start Position 0
Chopper Mode 63 Hz

Mosaic: The scan platform cycles between 4 inertial coordinate locations in a U pattern with the Earth rotating beneath. The two locations on the illuminated side of the Earth are at a constant distance from the Terminator for nearly 2 hours. This gives a map of about 1/12 of the Earth at constant light angles.
SSI PICNOS: E2W3120 - E2W3239

Created on 10/23/92 Version 3 |07/18/94
Last Changed 11/30/92 Changed By C. BYRNE |14:53:53

Galileo Activity Plan Form rev 6/93



E2WNGMOS__05

POINTER C5.1

FILE:P.E2WSZOOMMV00

CENTRAL BODY:EARTH

MINI:m.E2WSZOOMMV00

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

PERIAPSIS:92-343/15:10:23

START:92-345/13:08:44.666

ACTIVITY:E2WSZOOMMV00 **DESCRIP:ZOOM MOVIE 4**

```
GLOBAL MOSAIC OF THE EARTH           ACTIVITY ID: E2WNGMOS  05*
- RIDEALONG                           START TIME: ECA+CDS 00002729:00:0

Activity ID  Orbit E2  Target W  Inst N  OAPEL GMOS    SeqNo 05  Multi *
Title        Global Mosaic of the Earth - Ridealong
Requestor                                            Working Group
Bottom Label                      Plot Key  SSI      Science Team   SSI

Time System  CDS       Load ID  EE11    Calendar Date    /  /    Week

Start        ECA+CDS 00002729:00:0   92-345/13:08:14   ECA+001/21:58:49
End          ECA+CDS 00002841:00:0   92-345/15:01:54   ECA+001/23:52:29
Duration             00000122:00:0      000/01:53:40      000/01:53:40

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 F    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

To obtain NIMS partial global mosaic of the Earth while SSI is doing Zoom movie number 0.

Design Detail

```
 CDS     0  POINTER Design Y  Frames     0.00  Exc      Alias  WSZOOMMV00
```

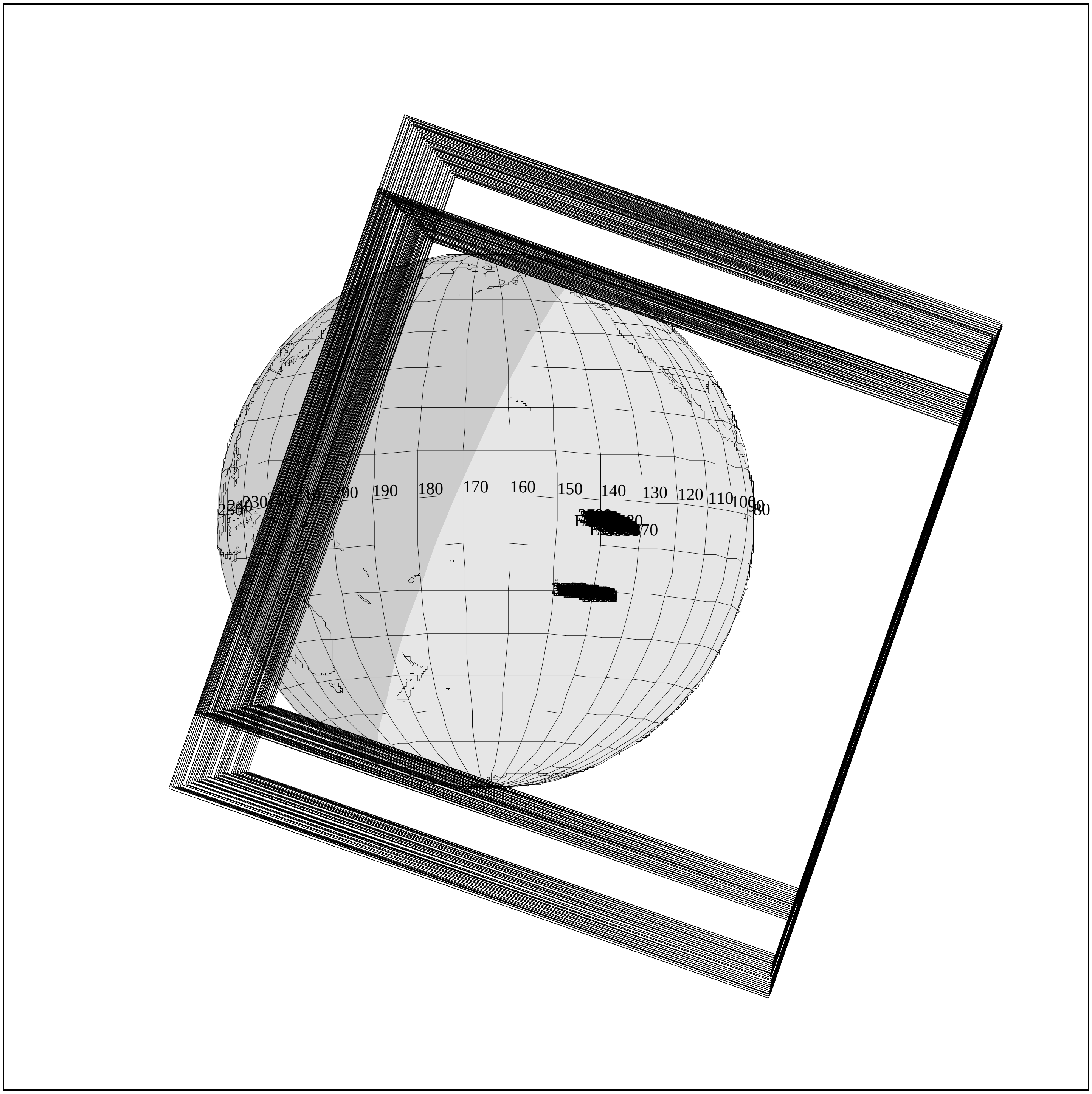
Ridealong with SSI observation. NIMS will be in Long Map mode for best determination of distributions of gaseous species.
Long Map
Gain State 1
Grating Start Position 0
Chopper Mode 63 Hz

Mosaic: The scan platform is not slewing. The Earth is rotating beneath at a constant distance from the Terminator (illuminated side) for nearly 2 hours. This gives a map of about 1/12 of the Earth at constant light angles.

SSI PICNOS: E2W3250 - E2W3361

```
Created on                    Version                            |07/18/94
Last Changed                  Changed By                         |14:53:41
```

Galileo Activity Plan Form   rev 6/93



E2WNGMOS__06

POINTER C5.1

FILE:P.E2WSZOOMMV04

CENTRAL BODY:EARTH

MINI:m.E2WSZOOMMV04

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

PERIAPSIS:92-343/15:10:23

START:92-345/17:22:32.000

ACTIVITY:E2WSZOOMMV04 **DESCRIP:ZOOM MOVIE 4**

```
GLOBAL MOSAIC OF THE EARTH           ACTIVITY ID: E2WNGMOS  06*
- RIDEALONG                           START TIME: ECA+CDS 00002968:00:0

Activity ID  Orbit E2  Target W  Inst N  OAPEL GMOS    SeqNo 06  Multi *
Title        Global Mosaic of the Earth - Ridealong
Requestor                                            Working Group
Bottom Label                      Plot Key  SSI      Science Team   SSI

Time System  CDS       Load ID  EE11    Calendar Date    /  /    Week

Start        ECA+CDS 00002968:00:0   92-345/17:10:20   ECA+002/02:00:55
End          ECA+CDS 00003403:00:0   92-346/00:30:09   ECA+002/09:20:44
Duration             00000435:00:0      000/07:19:49      000/07:19:49

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 F    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

To obtain NIMS partial global mosaic of the Earth while SSI is doing Zoom movie number 4.

Design Detail

```
 CDS     0  POINTER Design Y  Frames     0.00  Exc      Alias  WSZOOMMV04
```

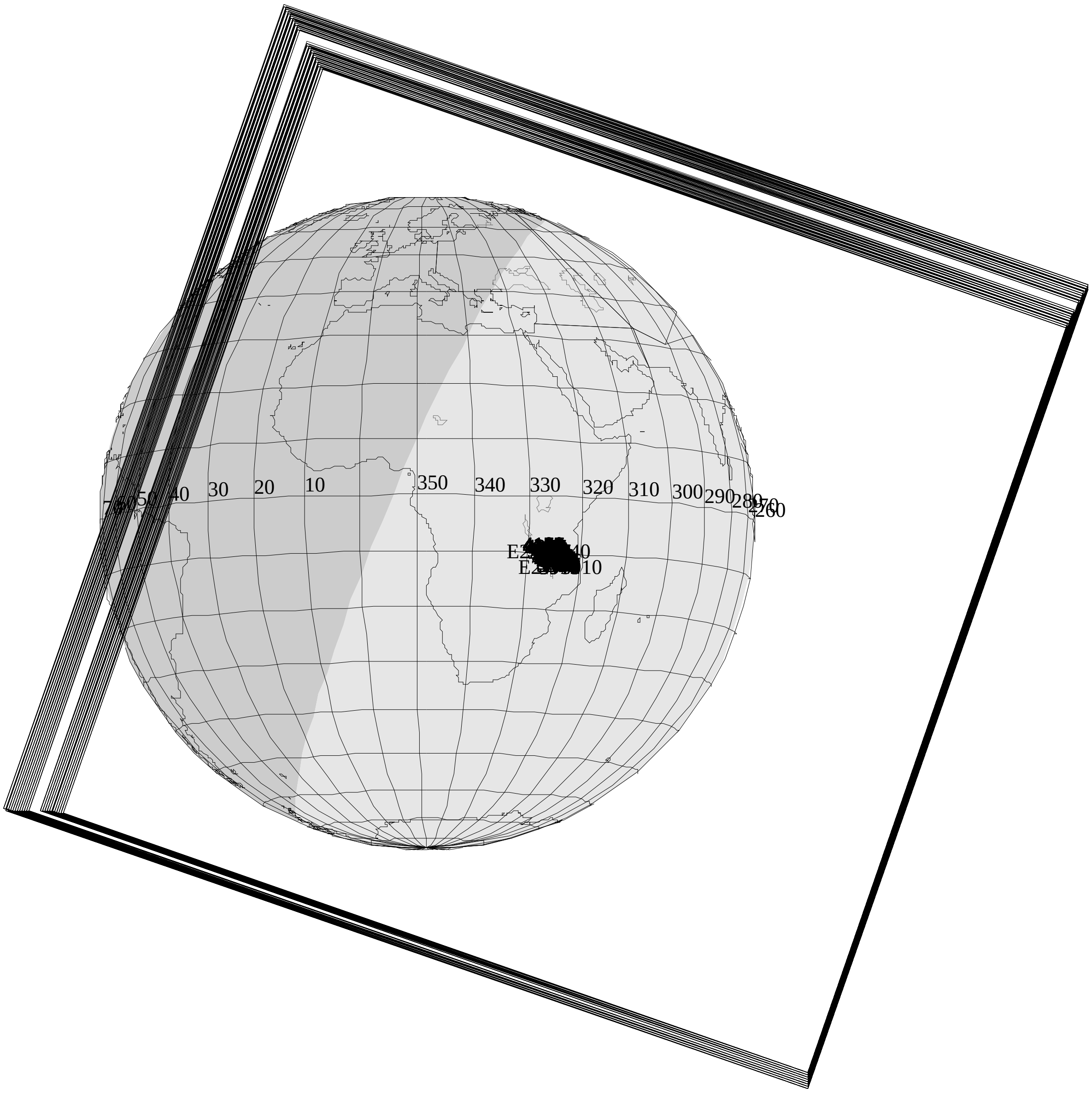
Ridealong with SSI observation. NIMS will be in Long Map mode for best determination of distributions of gaseous species.
Long Map
Gain State 1
Grating Start Position 0
Chopper Mode 63 Hz

Mosaic: The scan platform is not slewing. The Earth is rotating beneath at a constant distance from the Terminator (illuminated side) for nearly 7 1/2 hours. This gives a map of about 1/3 of the Earth at constant light angles.

SSI PICNOS: E2W3370 - E2W3792

```
Created on                    Version                          |07/18/94
Last Changed                  Changed By                       |14:53:41
```

Galileo Activity Plan Form   rev 6/93



E2WNGMOS__07

POINTER C5.1

FILE:P.E2WSZOOMMV05

CENTRAL BODY:EARTH

MINI:m.E2WSZOOMMV05

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

PERIAPSIS:92-343/15:10:23

START:92-346/01:25:50.600

ACTIVITY:E2WSZOOMMV05 **DESCRIP:ZOOM MOVIE 5**

```
GLOBAL MOSAIC OF THE EARTH          ACTIVITY ID: E2WNGMOS  07*
- RIDEALONG                          START TIME: ECA+CDS 00003450:00:0

Activity ID  Orbit E2  Target W  Inst N  OAPEL GMOS    SeqNo 07  Multi *
Title        Global Mosaic of the Earth - Ridealong
Requestor                                             Working Group
Bottom Label                      Plot Key  SSI       Science Team   SSI

Time System  CDS       Load ID  EE11    Calendar Date    /  /    Week

Start        ECA+CDS 00003450:00:0   92-346/01:17:41   ECA+002/10:08:16
End          ECA+CDS 00003742:00:0   92-346/06:12:57   ECA+002/15:03:32
Duration             00000292:00:0      000/04:55:16      000/04:55:16

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 F    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

To obtain NIMS partial global mosaic of the Earth while SSI is doing Zoom movie number 5.

Design Detail

```
 CDS     0  POINTER Design Y  Frames     0.00  Exc      Alias  WSZOOMMV05
```

Ridealong with SSI observation. NIMS will be in Long Map mode for best determination of distributions of gaseous species.
Long Map
Gain State 1
Grating Start Position 0
Chopper Mode 63 Hz

Mosaic: The scan platform is not slewing. The Earth is rotating beneath at a constant distance from the Terminator (illuminated side) for nearly 5 hours. This gives a map of about 1/5 of the Earth at constant light angles.

SSI PICNOS: E2W3910 - E2W3960

```
Created on                    Version                          |07/18/94
Last Changed                  Changed By                       |14:53:41

Galileo Activity Plan Form                                        rev 6/93
```

NIMS PARTIAL PHOTOMETRIC CALIBRATION ACTIVITY ID: E2NNPCTMIN01-
START TIME: ECA+CDS 00003885:00:0

Activity ID Orbit E2 Target N Inst N OAPEL PCTMIN SeqNo 01 Multi -
Title NIMS Partial Photometric Calibration
Requestor R. LOPES Working Group
Bottom Label Plot Key NIMS Science Team NIMS

Time System CDS Load ID EE11 Calendar Date / / Week

Start	ECA+CDS 00003885:00:0	92-346/08:37:35	ECA+002/17:28:10
End	ECA+CDS 00003975:00:0	92-346/10:08:35	ECA+002/18:59:10
Duration	00000090:00:0	000/01:31:00	000/01:31:00

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

To observe the PCT with NIMS to check flatness of field, contamination of the target, and consistency of NIMS gain states. This partial calibration complements the Full PCT calibration in EE9.

Design Detail

CDS 184 POINTER Design N Frames 0.00 Exc Alias

'Flying' PCT Calibration.

Observe PCT using 6 NIMS modes.

Observe target center.
Move to dark sky to get dark level and to avoid overheating instrument.

Notes:
- this calibration is done in Dual-Spin mode.
- the PCT heater must be off for 6 hours before calibration begins.
- pointing constraint (<5.5 deg off Sun) can be relaxed to < 6 deg.

Created on 02/05/92 Version 14 |07/18/94
Last Changed 10/02/92 Changed By R. LOPES |14:53:57

Galileo Activity Plan Form rev 6/93

NIMS RCT HEATER ON   ACTIVITY ID: E2NNRCTON 02-
START TIME: ECA+CDS 00004036:00:0

Activity ID Orbit E2 Target N Inst N OAPEL RCTON SeqNo 02 Multi -
Title NIMS RCT Heater On
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 00004036:00:0	92-346/11:10:15	ECA+002/20:00:50
End	ECA+CDS 00004422:00:0	92-346/17:40:33	ECA+003/02:31:08
Duration	00000386:00:0	000/06:30:18	000/06:30:18

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 F	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 RCT heater on for the NIMS RCT calibration.

Design Detail

CDS 20 POINTER Design N Frames 0.00 Exc   Alias

FR requires turn on of the NIMS RCT heater 6.5 hours before the NIMS RCT calibration. The NIMS boresight must be greater than 109 degrees in cone. The RCT heater is turned off after the last RCT observation by NIMS.

Created on 02/24/92   Version 12   07/18/94
Last Changed 08/28/92   Changed By J. HUI   14:51:19

Galileo Activity Plan Form   rev 6/93

NIMS PARTIAL RCT CALIBRATION ACTIVITY ID: E2NNRCTMIN01-
START TIME: ECA+CDS 00004423:00:0

Activity ID Orbit E2 Target N Inst N OAPEL RCTMIN SeqNo 01 Multi -
Title NIMS Partial RCT Calibration
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 00004423:00:0	92-346/17:41:33	ECA+003/02:32:08
End	ECA+CDS 00004453:00:0	92-346/18:11:53	ECA+003/03:02:28
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

Intended for calibrating NIMS performance in the long wavelength region and relate NIMS data (in DN) to radiance for modes and gain states that will be used in Jupiter operation.

Design Detail

CDS 340 POINTER Design N Frames 0.00 Exc Alias

This calibration starts after the RCT has been on for at least 6.5 hours. Dark sky (cone angle greater than 100 degrees) will be observed first, executing all states that are used in the RCT calibration. During the dark sky calibration, NIMS will execute 12 modes, 1 Rim each. NIMS will slew to the RCT and repeat the 12 modes at 1 Rim per mode. At the end, NIMS will slew to a safe-unstow position at 153 degrees cone. The slew rate for going between darks sky and RCT is 17.4 mrad/sec.

Created on 02/24/92 Version 8 |07/18/94
Last Changed 08/28/92 Changed By J. HUI |14:51:23

Galileo Activity Plan Form rev 6/93

```
NIMS MIRROR SCAN CALIBRATION        ACTIVITY ID: E2NNMIRCAL01-
                                     START TIME: ECA+CDS 00004457:00:0

Activity ID  Orbit E2  Target N  Inst N  OAPEL MIRCAL  SeqNo 01  Multi -
Title        NIMS Mirror Scan Calibration
Requestor    R. LOPES                                  Working Group
Bottom Label                     Plot Key  NIMS        Science Team   NIMS

Time System  CDS       Load ID  EE11    Calendar Date    /  /    Week

Start        ECA+CDS 00004457:00:0   92-346/18:15:56   ECA+003/03:06:31
End          ECA+CDS 00004489:00:0   92-346/18:48:17   ECA+003/03:38:52
Duration             00000032:00:0      000/00:32:21       000/00:32:21

Inertial     SP N 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 F    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

To calibrate the detailed motion of the NIMS scan mirror.

Design Detail

```
 CDS    65  POINTER Design N  Frames     0.00  Exc      Alias
```

Move the NIMS scanning mirror and read out the position of each of the 20 mirror locations.

This required reprogramming NIMS. The required software was loaded during EE9.

After calibration, an instrument reset was commanded.

```
Created on      02/05/92      Version     9                    |07/18/94
Last Changed    10/02/92      Changed By  R. LOPES             |14:54:01
```

Galileo Activity Plan Form   rev 6/93

NIMS POWER OFF

ACTIVITY ID: E2NNNIMOFF01-
START TIME: ECA+CDS 00004475:00:0

Activity ID Orbit E2 Target N Inst N OAPEL NIMOFF SeqNo 01 Multi -
Title NIMS POWER OFF
Requestor R. LOPES Working Group
Bottom Label Plot Key NIMS Science Team NIMS

Time System CDS Load ID EE11 Calendar Date / / Week

Start	ECA+CDS 00004475:00:0	92-346/18:34:08	ECA+003/03:24:43
End	ECA+CDS 00004483:00:0	92-346/18:42:13	ECA+003/03:32:48
Duration	00000008:00:0	000/00:08:05	000/00:08:05

Inertial SP N Earth Ref N Spin Stat A 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 F	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

Power NIMS instrument off.

Design Detail

CDS 50 POINTER Design N Frames 0.00 Exc Alias

Library sequence.

Created on 02/25/92 Version 6 |07/18/94
Last Changed 10/02/92 Changed By R. LOPES |14:54:05

Galileo Activity Plan Form rev 6/93