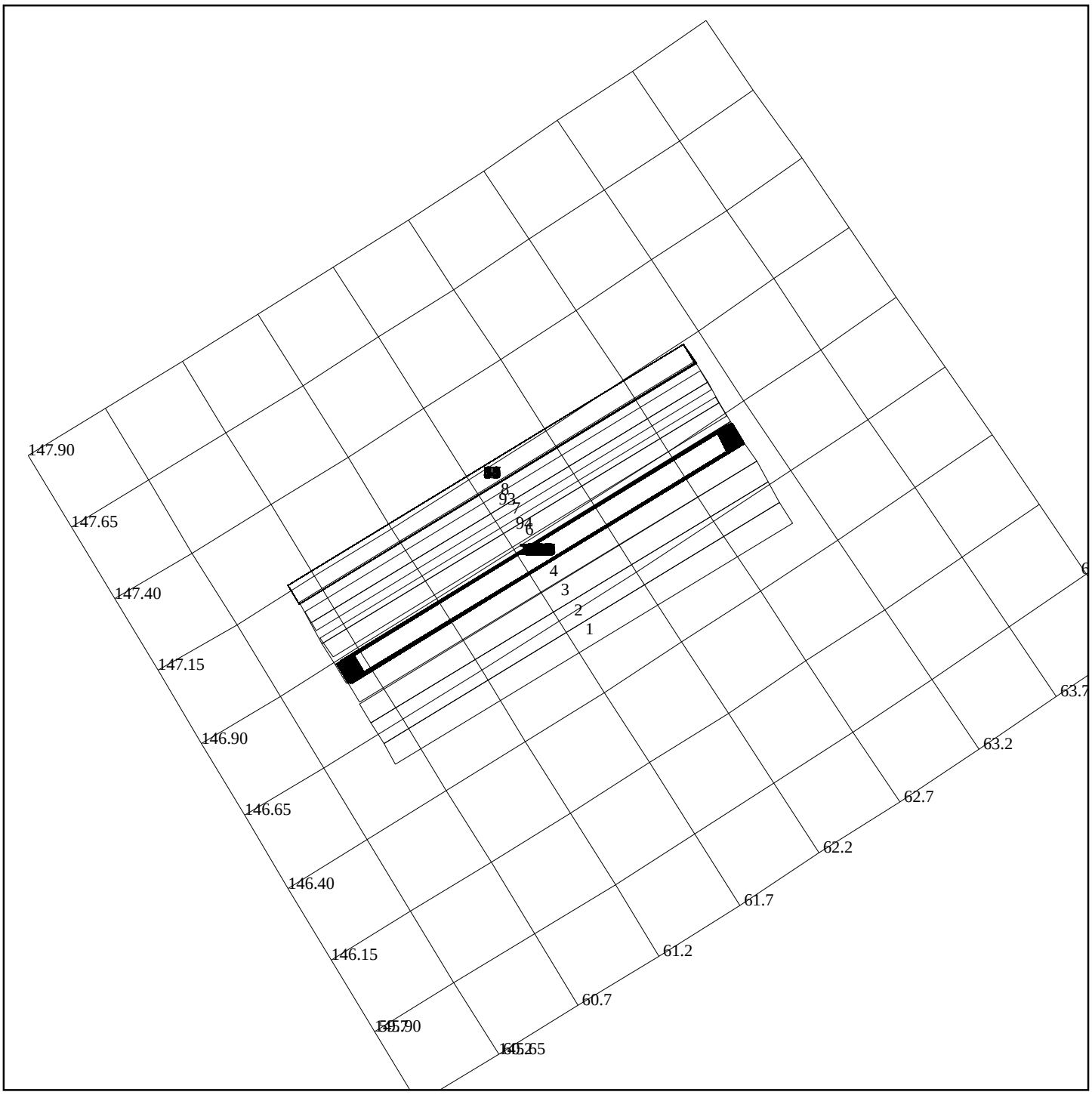



## IDUSROTATI01

**POINTER E1.0 lisac: 7/20/1993 16:39: 0**
**FILE:P.IDUSROTATI01**
**CENTRAL BODY:PLUTO**
**MINI:/home/lisac/ej3seq/NIMS/m.ej03ab**
**S/C EPH:/DATA/EPH/IDA22-050593.t**
**PERIAPSIS:93-240/16:53:00.000**
**START:IEE 93-240/16:52:04.066 -CDS 322:00:0**
**OBSERVATION:IDUSROTATI01**

**Modes: XM,FM,SM, Gain 4, Chop Ref, Gr_Off 4**
**Multiple Observations, Multiple NIMS Modes.**

**Mosaic Start: Cone: 146.9, Clock: 61.8**
**Combination of CSMOS and SMOS**
**Plot Ref Time: Start of First Mosaic (TARGET)**
**Lat, Lon, Range, Res, Phase: (-56.9, 190.4, 241486, 121, 19)**
**DESCRIP:ROTATION MOVIE 1**

Ida Rotation Uncertainty Reduction Obs  ACTIVITY ID: IDUNRTURXM01+
START TIME: 93-240/11:26:30

Activity ID: Orbit ID Target U Inst N OAPEL RTURXM SeqNo 01 Multi +

Title Ida Rotation Uncertainty Reduction Obs Instrument NIMS

Requestor M. Segura Team NIMS Working Group SWG

Time System CDS Load ID EJ3 Calendar Date 08/28/93 Week 34

| | | | |
|---|---|---|---|
| Start | IEE-CDS 00000322:00:0 | 93-240/11:26:30 | IEE-000/05:25:34 |
| End | IEE-CDS 00000321:00:0 | 93-240/11:27:30 | IEE-000/05:24:34 |
| Duration | 00000001:00:0 | 000/00:01:00 | 000/00:01:00 |

Top Label IDUNRTURXM01+
Bottom Label

| | | | |
|---|---|---|---|
| Plot Key | NIMS | Riding Plot Key | Conflict Yes |
| CDS Bytes | 0 | Report Options | Real Time Activity No |

## Observation Objective

To acquire NIMS data in Fixed Map mode - 17 wavelengths for the purpose of reducing the target/pointing uncertainty of the rotation observations.

## Design Detail

Alias IDUSROTATI01

One NIMS scan at .75 mrad/sec across the error ellipse to be used for locating IDA in SSI frames. This will reduce tape recorder/playback overhead planned in the current strategy.

Fixed Map (XM), Gain 4, Grating Start 6, Chopper Ref, MPW

Last Changed 05/22/95 Changed By FEL 08/12/93 11:53:02

Galileo Activity Plan Form rev 5/95

Ida Rotation 90 deg Full Map Observati  ACTIVITY ID: IDUNRT90FM01+
START TIME: 93-240/11:55:49

Activity ID: Orbit ID Target U Inst N OAPEL RT90FM SeqNo 01 Multi +

Title Ida Rotation 90 deg Full Map Observati Instrument NIMS

Requestor M. Segura Team NIMS Working Group SWG

Time System CDS Load ID EJ3 Calendar Date 08/28/93 Week 34

| | | | |
|---|---|---|---|
| Start | IEE-CDS 00000293:00:0 | 93-240/11:55:49 | IEE-000/04:56:15 |
| End | IEE-CDS 00000290:00:0 | 93-240/11:58:51 | IEE-000/04:53:13 |
| Duration | 00000003:00:0 | 000/00:03:02 | 000/00:03:02 |

Top Label IDUNRT90FM01+
Bottom Label

| | | | |
|---|---|---|---|
| Plot Key | NIMS | Riding Plot Key | Conflict Yes |
| CDS Bytes | 0 | Report Options | Real Time Activity No |

## Observation Objective

NIMS will perform a full map spectral (204 wavelengths), disk image of Ida at every 90 degrees of rotation for a period of 360 degrees. This is the first of 4 observations.

## Design Detail

Alias IDUSROTATI01

One NIMS scan across the error ellipse at a sampling rate of 0.05 mrad/sec in full map mode.

Full Map (FM), Gain 4, Grating Start 0, Chopper Ref, MPW

Last Changed 05/22/95 Changed By FEL 08/12/93 11:53:02

Galileo Activity Plan Form rev 5/95

| | |
|---|---|
| Ida 15 deg Rotation Observation | ACTIVITY ID: IDUNRT15SM01+<br>START TIME: 93-240/12:06:56 |

Activity ID: Orbit ID Target U Inst N OAPEL RT15SM SeqNo 01 Multi +

| | | | |
|---|---|---|---|
| Title | Ida 15 deg Rotation Observation | Instrument | NIMS |
| Requestor | M. Segura | Team NIMS | Working Group SWG |

| | | | | | |
|---|---|---|---|---|---|
| Time System | CDS | Load ID EJ3 | Calendar Date | 08/28/93 | Week 34 |
| Start | IEE-CDS 00000282:00:0 | | 93-240/12:06:56 | | IEE-000/04:45:08 |
| End | IEE-CDS 00000278:50:0 | | 93-240/12:10:26 | | IEE-000/04:41:38 |
| Duration | 00000003:41:0 | | 000/00:03:30 | | 000/00:03:30 |

| | | | |
|---|---|---|---|
| Top Label | IDUNRT15SM01+ | | |
| Bottom Label | | | |
| Plot Key | NIMS | Riding Plot Key | Conflict Yes |
| CDS Bytes | 0 | Report Options | Real Time Activity No |

## Observation Objective

To obtain NIMS spectral data in 102 wavelengths at each 15 degrees of rotation in a 360 degree period. This is the first of twelve observations of this nature

## Design Detail

Alias IDUSROTATI01

One NIMS scan across the error ellipse plus pointing uncertainty at a sampling rate of 0.09 mrad/sec in short map 102 wavelength mode.

Short Map (SM), Gain 4, Grating Start 2, Chopper Ref, MPW

Last Changed 05/22/95 Changed By FEL 08/12/93 11:53:02

Galileo Activity Plan Form rev 5/95

Ida Rotation 30 deg Observation

ACTIVITY ID: IDUNRT30SM01+
START TIME: 93-240/12:19:04

Activity ID: Orbit ID Target U Inst N OAPEL RT30SM SeqNo 01 Multi +

Title Ida Rotation 30 deg Observation Instrument NIMS

Requestor M. Segura Team NIMS Working Group SWG

Time System CDS Load ID EJ3 Calendar Date 08/28/93 Week 34

| | | | |
|---|---|---|---|
| Start | IEE-CDS 00000270:00:0 | 93-240/12:19:04 | IEE-000/04:33:00 |
| End | IEE-CDS 00000267:00:0 | 93-240/12:22:06 | IEE-000/04:29:58 |
| Duration | 00000003:00:0 | 000/00:03:02 | 000/00:03:02 |

Top Label IDUNRT30SM01+
Bottom Label

| | | | |
|---|---|---|---|
| Plot Key | NIMS | Riding Plot Key | Conflict Yes |
| CDS Bytes | 0 | Report Options | Real Time Activity No |

## Observation Objective

To acquire NIMS spectral data in 102 wavelengths at every 30 degrees of rotation in a 360 degree period. This is the first observation in a series of eight.

## Design Detail

Alias IDUSROTATI01

One NIMS scan across the error ellipse at a sampling rate of 0.09 mrad/sec in 102 wavelengths.

Short Map (SM), Gain 4, Grating Start 2, Chopper Ref, MPW

Last Changed 05/22/95 Changed By FEL 08/12/93 11:53:02

Galileo Activity Plan Form rev 5/95

Ida 15 deg Rotation Observation

ACTIVITY ID: IDUNRT15SM02+
START TIME: 93-240/12:30:12

Activity ID: Orbit ID Target U Inst N OAPEL RT15SM SeqNo 02 Multi +

Title Ida 15 deg Rotation Observation Instrument NIMS

Requestor M. Segura Team NIMS Working Group SWG

Time System CDS Load ID EJ3 Calendar Date 08/28/93 Week 34

| | | | |
|---|---|---|---|
| Start | IEE-CDS 00000259:00:0 | 93-240/12:30:12 | IEE-000/04:21:52 |
| End | IEE-CDS 00000255:50:0 | 93-240/12:33:41 | IEE-000/04:18:23 |
| Duration | 00000003:41:0 | 000/00:03:29 | 000/00:03:29 |

Top Label IDUNRT15SM02+
Bottom Label

| | | | |
|---|---|---|---|
| Plot Key | NIMS | Riding Plot Key | Conflict Yes |
| CDS Bytes | 0 | Report Options | Real Time Activity No |

## Observation Objective

To obtain NIMS spectral data in 102 wavelengths at each 15 degrees of rotation in a 360 degree period. This is the second of twelve observations of this nature

## Design Detail

Alias IDUSROTATI01

One NIMS scan across the error ellipse plus pointing uncertainty at a sampling rate of 0.09 mrad/sec in short map 102 wavelength mode.

Short Map (SM), Gain 4, Grating Start 2, Chopper Ref, MPW

Last Changed 05/22/95 Changed By FEL 08/12/93 11:53:02

Galileo Activity Plan Form rev 5/95

| | |
|---|---|
| Ida Rotation 30 deg Observation | ACTIVITY ID: IDUNRT30SM02+<br>START TIME: 93-240/12:42:20 |

Activity ID: Orbit ID Target U Inst N OAPEL RT30SM SeqNo 02 Multi +

Title Ida Rotation 30 deg Observation Instrument NIMS

Requestor M. Segura Team NIMS Working Group SWG

Time System CDS Load ID EJ3 Calendar Date 08/28/93 Week 34

| | | | |
|---|---|---|---|
| Start | IEE-CDS 00000247:00:0 | 93-240/12:42:20 | IEE-000/04:09:44 |
| End | IEE-CDS 00000244:00:0 | 93-240/12:45:22 | IEE-000/04:06:42 |
| Duration | 00000003:00:0 | 000/00:03:02 | 000/00:03:02 |

Top Label IDUNRT30SM02+
Bottom Label

| | | | |
|---|---|---|---|
| Plot Key | NIMS | Riding Plot Key | Conflict Yes |
| CDS Bytes | 0 | Report Options | Real Time Activity No |

## Observation Objective

To acquire NIMS spectral data in 102 wavelengths at every 30 degrees of rotation in a 360 degree period. This is the second observation in a series of eight.

## Design Detail

Alias IDUSROTATI01

One NIMS scan across the error ellipse at a sampling rate of 0.09 mrad/sec in 102 wavelengths.

Short Map (SM), Gain 4, Grating Start 2, Chopper Ref, MPW

Last Changed 05/22/95 Changed By FEL 08/12/93 11:53:02

Galileo Activity Plan Form rev 5/95

Ida 15 deg Rotation Observation

ACTIVITY ID: IDUNRT15SM03+
START TIME: 93-240/12:53:27

Activity ID: Orbit ID Target U Inst N OAPEL RT15SM SeqNo 03 Multi +

Title Ida 15 deg Rotation Observation Instrument NIMS

Requestor M. Segura Team NIMS Working Group SWG

Time System CDS Load ID EJ3 Calendar Date 08/28/93 Week 34

| | | | |
|---|---|---|---|
| Start | IEE-CDS 00000236:00:0 | 93-240/12:53:27 | IEE-000/03:58:37 |
| End | IEE-CDS 00000232:50:0 | 93-240/12:56:56 | IEE-000/03:55:08 |
| Duration | 00000003:41:0 | 000/00:03:29 | 000/00:03:29 |

Top Label IDUNRT15SM03+
Bottom Label

Plot Key NIMS Riding Plot Key Conflict Yes
CDS Bytes 0 Report Options Real Time Activity No

## Observation Objective

To obtain NIMS spectral data in 102 wavelengths at each 15 degrees of rotation in a 360 degree period. This is the third of twelve observations of this nature

## Design Detail

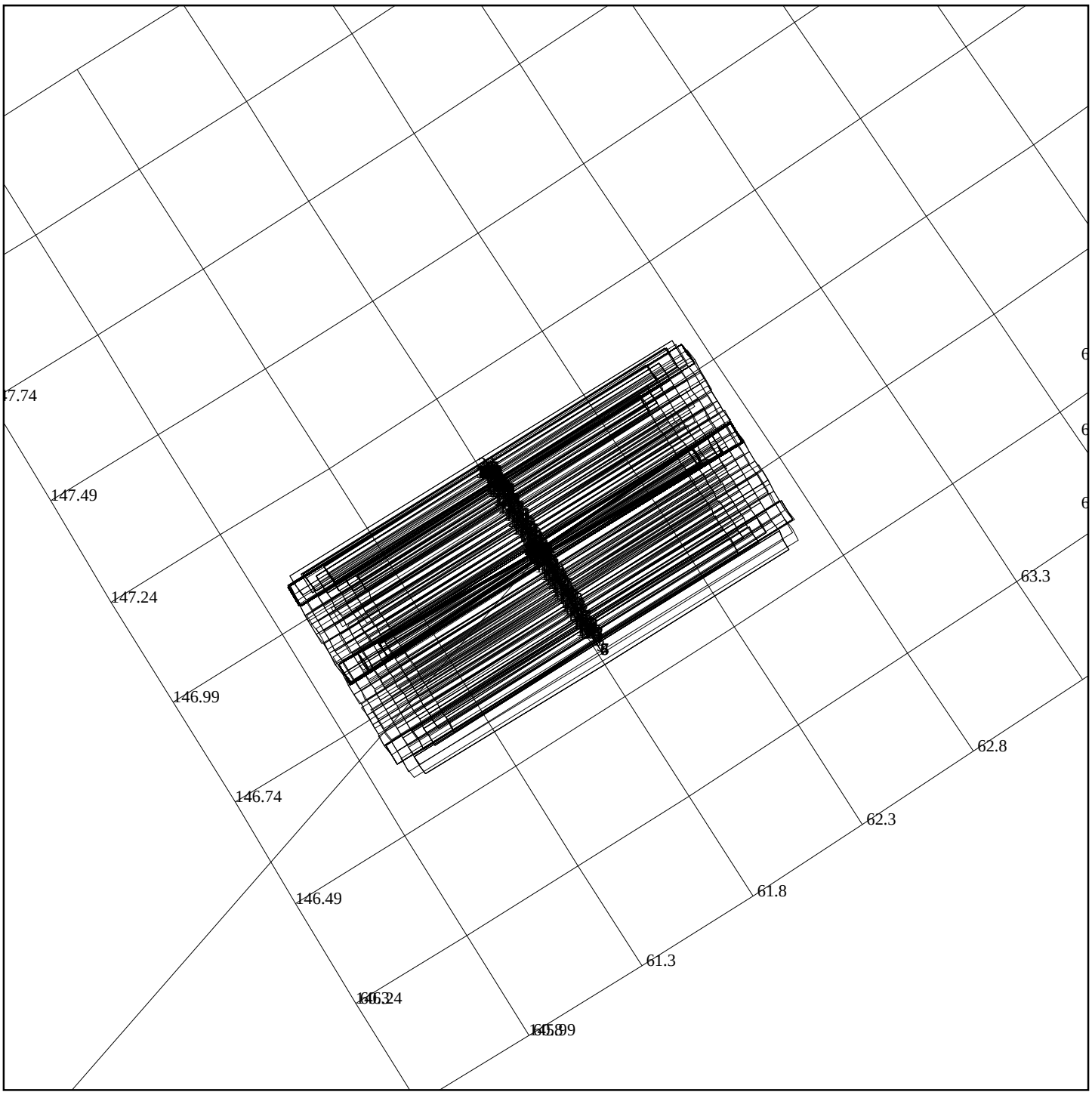
Alias IDUSROTATI01

One NIMS scan across the error ellipse plus pointing uncertainty at a sampling rate of 0.09 mrad/sec in short map 102 wavelength mode.

Short Map (SM), Gain 4, Grating Start 2, Chopper Ref, MPW

Last Changed 05/22/95 Changed By FEL 08/12/93 11:53:02

Galileo Activity Plan Form rev 5/95




## IDUSROTATI02

**POINTER E1.0 lisac: 7/20/1993 9: 8:32**
**FILE:P.IDUSROTATI02**
**CENTRAL BODY:PLUTO**
**MINI:m.IDUSROTATI02**
**S/C EPH:/DATA/EPH/IDA22-050593.t**
**PERIAPSIS:93-240/16:53:00.000**
**START:IEE 93-240/16:52:04.066 -CDS 230:00:0**
**OBSERVATION:IDUSROTATI02**

**Modes: XM,SM, Gain 4, Chop Ref, Gr_Off 4**
**Multiple Observations, Multiple NIMS Modes.**

**Mosaic Start: Cone: 146.7, Clock: 61.8**
**Combination of CSMOS and SMOS**
**Plot Ref Time: Start of First Mosaic (TARGET)**
**Lat, Lon, Range, Res, Phase: (-55.9, 194.8, 170903, 85, 20)**
**DESCRIP:ROTATION MOVIE 2**

Ida Rotation Uncertainty Reduction Obs  ACTIVITY ID: IDUNRTURXM02+
START TIME: 93-240/12:57:30

Activity ID: Orbit ID Target U Inst N OAPEL RTURXM SeqNo 02 Multi +

Title Ida Rotation Uncertainty Reduction Obs Instrument NIMS

Requestor M. Segura Team NIMS Working Group SWG

Time System CDS Load ID EJ3 Calendar Date 08/28/93 Week 34

| | | | |
|---|---|---|---|
| Start | IEE-CDS 00000232:00:0 | 93-240/12:57:30 | IEE-000/03:54:34 |
| End | IEE-CDS 00000230:00:0 | 93-240/12:59:31 | IEE-000/03:52:33 |
| Duration | 00000002:00:0 | 000/00:02:01 | 000/00:02:01 |

Top Label IDUNRTURXM02+
Bottom Label

| | | | |
|---|---|---|---|
| Plot Key | NIMS | Riding Plot Key | Conflict Yes |
| CDS Bytes | 0 | Report Options | Real Time Activity No |

## Observation Objective

To acquire NIMS data in Fixed Map mode - 17 wavelengths for the purpose of reducing the target/pointing uncertainty of the rotation observations.

## Design Detail

Alias IDUSROTATI02

One NIMS scan at .75 mrad/sec across the error ellipse to be used for locating IDA in SSI frames. This will reduce tape recorder/playback overhead planned in the current strategy.

Fixed Map (XM), Gain 4, Grating Start 6, Chopper Ref, MPW

Last Changed 05/22/95 Changed By FEL 08/12/93 11:53:02

Galileo Activity Plan Form rev 5/95

Ida Rotation 90 deg Full Map Observati  ACTIVITY ID: IDUNRT90SM02+
START TIME: 93-240/13:05:35

Activity ID: Orbit ID Target U Inst N OAPEL RT90SM SeqNo 02 Multi +

Title Ida Rotation 90 deg Full Map Observati Instrument NIMS

Requestor M. Segura Team NIMS Working Group SWG

Time System CDS Load ID EJ3 Calendar Date 08/28/93 Week 34

| | | | |
|---|---|---|---|
| Start | IEE-CDS 00000224:00:0 | 93-240/13:05:35 | IEE-000/03:46:29 |
| End | IEE-CDS 00000221:00:0 | 93-240/13:08:37 | IEE-000/03:43:27 |
| Duration | 00000003:00:0 | 000/00:03:02 | 000/00:03:02 |

Top Label IDUNRT90SM02+
Bottom Label

| | | | |
|---|---|---|---|
| Plot Key | NIMS | Riding Plot Key | Conflict Yes |
| CDS Bytes | 0 | Report Options | Real Time Activity No |

## Observation Objective

NIMS will perform a full map spectral (204 wavelengths), disk image of Ida at every 90 degrees of rotation for a period of 360 degrees.
This is the second of 4 observations.
This observation will use short map mode instead of full map mode to achieve double nyquist sampling.

## Design Detail

Alias IDUSROTATI02

One NIMS scan across the error ellipse at a sampling rate of 0.05 mrad/sec in short map mode. This is the nyquist rate for full map mode and double nyquist rate for short map mode.

Short Map (SM), Gain 4, Grating Start 2, Chopper Ref, MPW

Last Changed 05/22/95 Changed By FEL 08/12/93 11:53:02

Galileo Activity Plan Form rev 5/95

| | |
|---|---|
| Ida 15 deg Rotation Observation | ACTIVITY ID: IDUNRT15SM04+<br>START TIME: 93-240/13:16:42 |

Activity ID: Orbit ID Target U Inst N OAPEL RT15SM SeqNo 04 Multi +

| | | | |
|---|---|---|---|
| Title | Ida 15 deg Rotation Observation | Instrument | NIMS |
| Requestor | M. Segura | Team NIMS | Working Group SWG |

| | | | | | |
|---|---|---|---|---|---|
| Time System | CDS | Load ID EJ3 | Calendar Date | 08/28/93 | Week 34 |
| Start | IEE-CDS 00000213:00:0 | | 93-240/13:16:42 | | IEE-000/03:35:22 |
| End | IEE-CDS 00000209:50:0 | | 93-240/13:20:12 | | IEE-000/03:31:52 |
| Duration | 00000003:41:0 | | 000/00:03:30 | | 000/00:03:30 |

Top Label IDUNRT15SM04+
Bottom Label

| | | | |
|---|---|---|---|
| Plot Key | NIMS | Riding Plot Key | Conflict Yes |
| CDS Bytes | 0 | Report Options | Real Time Activity No |

## Observation Objective

To obtain NIMS spectral data in 102 wavelengths at each 15 degrees of rotation in a 360 degree period. This is the fourth of twelve observations of this nature

## Design Detail

Alias IDUSROTATI02

One NIMS scan across the error ellipse plus pointing uncertainty at a sampling rate of 0.09 mrad/sec in short map 102 wavelength mode.

Short Map (SM), Gain 4, Grating Start 2, Chopper Ref, MPW

Last Changed 05/22/95 Changed By FEL 08/12/93 11:53:02

Galileo Activity Plan Form rev 5/95

Ida Rotation 30 deg Observation — ACTIVITY ID: IDUNRT30SM03+ — START TIME: 93-240/13:28:50

Activity ID: Orbit ID Target U Inst N OAPEL RT30SM SeqNo 03 Multi +

Title Ida Rotation 30 deg Observation — Instrument NIMS

Requestor M. Segura — Team NIMS — Working Group SWG

Time System CDS — Load ID EJ3 — Calendar Date 08/28/93 — Week 34

| | | | |
|---|---|---|---|
| Start | IEE-CDS 00000201:00:0 | 93-240/13:28:50 | IEE-000/03:23:14 |
| End | IEE-CDS 00000198:00:0 | 93-240/13:31:52 | IEE-000/03:20:12 |
| Duration | 00000003:00:0 | 000/00:03:02 | 000/00:03:02 |

Top Label IDUNRT30SM03+
Bottom Label

| | | | |
|---|---|---|---|
| Plot Key | NIMS | Riding Plot Key | Conflict: Yes |
| CDS Bytes | 0 | Report Options | Real Time Activity: No |

## Observation Objective

To acquire NIMS spectral data in 102 wavelengths at every 30 degrees of rotation in a 360 degree period. This is the third observation in a series of eight.

## Design Detail

Alias IDUSROTATI02

One NIMS scan across the error ellipse at a sampling rate of 0.09 mrad/sec in 102 wavelengths.

Short Map (SM), Gain 4, Grating Start 2, Chopper Ref, MPW

Last Changed 05/22/95 Changed By FEL — 08/12/93 11:53:02

Galileo Activity Plan Form — rev 5/95

Ida 15 deg Rotation Observation

ACTIVITY ID: IDUNRT15SM05+
START TIME: 93-240/13:39:58

Activity ID: Orbit ID Target U Inst N OAPEL RT15SM SeqNo 05 Multi +

Title Ida 15 deg Rotation Observation Instrument NIMS

Requestor M. Segura Team NIMS Working Group SWG

Time System CDS Load ID EJ3 Calendar Date 08/28/93 Week 34

| | | | |
|---|---|---|---|
| Start | IEE-CDS 00000190:00:0 | 93-240/13:39:58 | IEE-000/03:12:06 |
| End | IEE-CDS 00000186:50:0 | 93-240/13:43:27 | IEE-000/03:08:37 |
| Duration | 00000003:41:0 | 000/00:03:29 | 000/00:03:29 |

Top Label IDUNRT15SM05+
Bottom Label

| | | | |
|---|---|---|---|
| Plot Key | NIMS | Riding Plot Key | Conflict Yes |
| CDS Bytes | 0 | Report Options | Real Time Activity No |

## Observation Objective

To obtain NIMS spectral data in 102 wavelengths at each 15 degrees of rotation in a 360 degree period. This is the fifth of twelve observations of this nature

## Design Detail

Alias IDUSROTATI02

One NIMS scan across the error ellipse plus pointing uncertainty at a sampling rate of 0.09 mrad/sec in short map 102 wavelength mode.

Short Map (SM), Gain 4, Grating Start 2, Chopper Ref, MPW

Last Changed 05/22/95 Changed By FEL 08/12/93 11:53:02

Galileo Activity Plan Form rev 5/95

Ida Rotation 30 deg Observation

ACTIVITY ID: IDUNRT30SM04+
START TIME: 93-240/13:52:06

Activity ID: Orbit ID Target U Inst N OAPEL RT30SM SeqNo 04 Multi +

Title Ida Rotation 30 deg Observation Instrument NIMS

Requestor M. Segura Team NIMS Working Group SWG

Time System CDS Load ID EJ3 Calendar Date 08/28/93 Week 34

| | | | |
|---|---|---|---|
| Start | IEE-CDS 00000178:00:0 | 93-240/13:52:06 | IEE-000/02:59:58 |
| End | IEE-CDS 00000175:00:0 | 93-240/13:55:08 | IEE-000/02:56:56 |
| Duration | 00000003:00:0 | 000/00:03:02 | 000/00:03:02 |

Top Label IDUNRT30SM04+
Bottom Label

| | | | |
|---|---|---|---|
| Plot Key | NIMS | Riding Plot Key | Conflict Yes |
| CDS Bytes | 0 | Report Options | Real Time Activity No |

## Observation Objective

To acquire NIMS spectral data in 102 wavelengths at every 30 degrees of rotation in a 360 degree period. This is the fourth observation in a series of eight.

## Design Detail

Alias IDUSROTATI02

One NIMS scan across the error ellipse at a sampling rate of 0.09 mrad/sec in 102 wavelengths.

Short Map (SM), Gain 4, Grating Start 2, Chopper Ref, MPW

Last Changed 05/22/95 Changed By FEL 08/12/93 11:53:02

Galileo Activity Plan Form rev 5/95

Ida 15 deg Rotation Observation

ACTIVITY ID: IDUNRT15SM06+
START TIME: 93-240/14:03:13

Activity ID: Orbit ID Target U Inst N OAPEL RT15SM SeqNo 06 Multi +

Title Ida 15 deg Rotation Observation Instrument NIMS

Requestor M. Segura Team NIMS Working Group SWG

Time System CDS Load ID EJ3 Calendar Date 08/28/93 Week 34

| | | | |
|---|---|---|---|
| Start | IEE-CDS 00000167:00:0 | 93-240/14:03:13 | IEE-000/02:48:51 |
| End | IEE-CDS 00000163:50:0 | 93-240/14:06:42 | IEE-000/02:45:22 |
| Duration | 00000003:41:0 | 000/00:03:29 | 000/00:03:29 |

Top Label IDUNRT15SM06+
Bottom Label

| | | | |
|---|---|---|---|
| Plot Key | NIMS | Riding Plot Key | Conflict Yes |
| CDS Bytes | 0 | Report Options | Real Time Activity No |

## Observation Objective

To obtain NIMS spectral data in 102 wavelengths at each 15 degrees of rotation in a 360 degree period. This is the sixth of twelve observations of this nature

## Design Detail

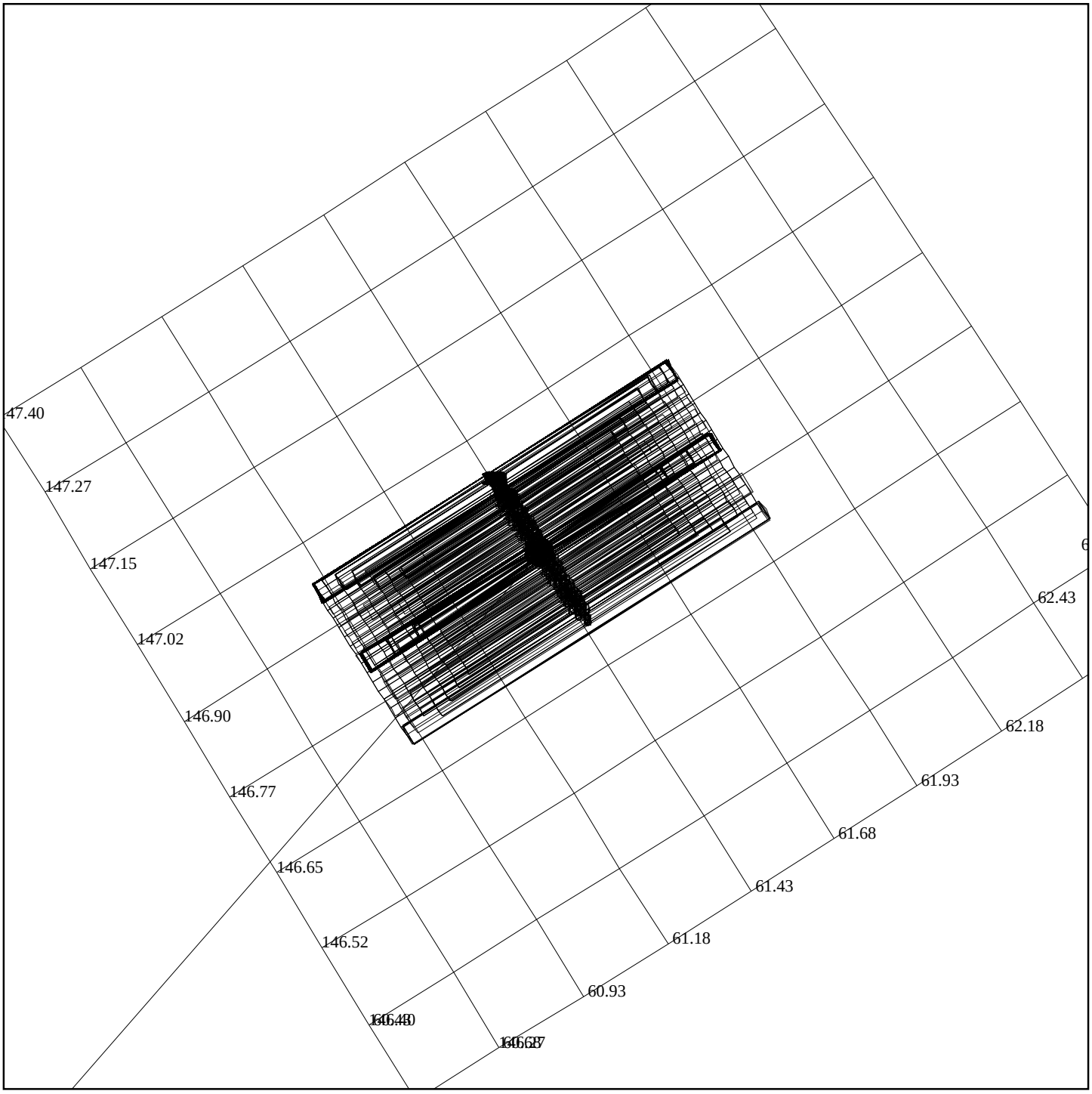
Alias IDUSROTATI02

One NIMS scan across the error ellipse plus pointing uncertainty at a sampling rate of 0.09 mrad/sec in short map 102 wavelength mode.

Short Map (SM), Gain 4, Grating Start 2, Chopper Ref, MPW

Last Changed 05/22/95 Changed By FEL 08/12/93 11:53:02

Galileo Activity Plan Form rev 5/95




## IDUNROTATI03

**POINTER E1.0 lisac: 7/20/1993 9: 8:32**
**FILE:P.IDUNROTATI03**
**CENTRAL BODY:PLUTO**
**MINI:m.IDUNROTATI03**
**S/C EPH:/DATA/EPH/IDA22-050593.t**
**PERIAPSIS:93-240/16:53:00.000**
**START:IEE 93-240/16:52:04.066 -CDS 162:00:0**
**OBSERVATION:IDUNROTATI03**

**Modes: XM,FM,SM, Gain 4, Chop Ref, Gr_Off 4**
**Multiple Observations, Multiple NIMS Modes.**

**Mosaic Start: Cone: 146.8, Clock: 61.5**
**Combination of CSMOS and SMOS**
**Plot Ref Time: Start of First Mosaic (TARGET)**
**Lat, Lon, Range, Res, Phase: (-54.6, 198.7, 118901, 59, 20)**
**DESCRIP:ROTATION MOVIE 3**

Ida Rotation Uncertainty Reduction Obs  ACTIVITY ID: IDUNRTURXM03+
START TIME: 93-240/14:08:16

Activity ID: Orbit ID Target U Inst N OAPEL RTURXM SeqNo 03 Multi +

Title Ida Rotation Uncertainty Reduction Obs Instrument NIMS

Requestor M. Segura Team NIMS Working Group SWG

Time System CDS Load ID EJ3 Calendar Date 08/28/93 Week 34

| | | | |
|---|---|---|---|
| Start | IEE-CDS 00000162:00:0 | 93-240/14:08:16 | IEE-000/02:43:48 |
| End | IEE-CDS 00000160:00:0 | 93-240/14:10:18 | IEE-000/02:41:46 |
| Duration | 00000002:00:0 | 000/00:02:02 | 000/00:02:02 |

Top Label IDUNRTURXM03+
Bottom Label

Plot Key NIMS Riding Plot Key Conflict Yes
CDS Bytes 0 Report Options Real Time Activity No

## Observation Objective

To acquire NIMS data in Fixed Map mode - 17 wavelengths for the purpose of reducing the target/pointing uncertainty of the rotation observations.

## Design Detail

Alias IDUNROTATI03

One NIMS scan at .75 mrad/sec across the error ellipse to be used for locating IDA in SSI frames. This will reduce tape recorder/playback overhead planned in the current strategy.

Fixed Map (XM), Gain 4, Grating Start 6, Chopper Ref, MPW

Last Changed 05/22/95 Changed By FEL 08/12/93 11:53:02

Galileo Activity Plan Form rev 5/95

Ida Rotation 90 deg Full Map Observati  ACTIVITY ID: IDUNRT90FM03+
START TIME: 93-240/14:15:21

Activity ID: Orbit ID Target U Inst N OAPEL RT90FM SeqNo 03 Multi +

Title Ida Rotation 90 deg Full Map Observati Instrument NIMS

Requestor M. Segura Team NIMS Working Group SWG

Time System CDS Load ID EJ3 Calendar Date 08/28/93 Week 34

| | | | |
|---|---|---|---|
| Start | IEE-CDS 00000155:00:0 | 93-240/14:15:21 | IEE-000/02:36:43 |
| End | IEE-CDS 00000152:00:0 | 93-240/14:18:23 | IEE-000/02:33:41 |
| Duration | 00000003:00:0 | 000/00:03:02 | 000/00:03:02 |

Top Label IDUNRT90FM03+
Bottom Label

| | | | |
|---|---|---|---|
| Plot Key | NIMS | Riding Plot Key | Conflict Yes |
| CDS Bytes | 0 | Report Options | Real Time Activity No |

## Observation Objective

NIMS will perform a full map spectral (204 wavelengths), disk image of Ida at every 90 degrees of rotation for a period of 360 degrees. This is the third of 4 observations.

## Design Detail

Alias IDUNROTATI03

One NIMS scan across the error ellipse at a sampling rate of 0.05 mrad/sec in full map mode.

Full Map (FM), Gain 4, Grating Start 0, Chopper Ref, MPW

Last Changed 05/22/95 Changed By FEL 08/12/93 11:53:02

Galileo Activity Plan Form rev 5/95

Ida 15 deg Rotation Observation — ACTIVITY ID: IDUNRT15SM07+ — START TIME: 93-240/14:26:28

Activity ID: Orbit ID Target U Inst N OAPEL RT15SM SeqNo 07 Multi +

Title Ida 15 deg Rotation Observation Instrument NIMS

Requestor M. Segura Team NIMS Working Group SWG

Time System CDS Load ID EJ3 Calendar Date 08/28/93 Week 34

| | | | |
|---|---|---|---|
| Start | IEE-CDS 00000144:00:0 | 93-240/14:26:28 | IEE-000/02:25:36 |
| End | IEE-CDS 00000140:50:0 | 93-240/14:29:58 | IEE-000/02:22:06 |
| Duration | 00000003:41:0 | 000/00:03:30 | 000/00:03:30 |

Top Label IDUNRT15SM07+
Bottom Label

| | | | |
|---|---|---|---|
| Plot Key | NIMS | Riding Plot Key | Conflict Yes |
| CDS Bytes | 0 | Report Options | Real Time Activity No |

## Observation Objective

To obtain NIMS spectral data in 102 wavelengths at each 15 degrees of rotation in a 360 degree period. This is the seventh of twelve observations of this nature

## Design Detail

Alias IDUNROTATI03

One NIMS scan across the error ellipse plus pointing uncertainty at a sampling rate of 0.09 mrad/sec in short map 102 wavelength mode.

Short Map (SM), Gain 4, Grating Start 2, Chopper Ref, MPW

Last Changed 05/22/95 Changed By FEL — 08/12/93 11:53:02

Galileo Activity Plan Form — rev 5/95

Ida Rotation 30 deg Observation

ACTIVITY ID: IDUNRT30SM05+
START TIME: 93-240/14:38:36

Activity ID: Orbit ID Target U Inst N OAPEL RT30SM SeqNo 05 Multi +

Title Ida Rotation 30 deg Observation Instrument NIMS

Requestor M. Segura Team NIMS Working Group SWG

Time System CDS Load ID EJ3 Calendar Date 08/28/93 Week 34

| | | | |
|---|---|---|---|
| Start | IEE-CDS 00000132:00:0 | 93-240/14:38:36 | IEE-000/02:13:28 |
| End | IEE-CDS 00000129:00:0 | 93-240/14:41:38 | IEE-000/02:10:26 |
| Duration | 00000003:00:0 | 000/00:03:02 | 000/00:03:02 |

Top Label IDUNRT30SM05+
Bottom Label

| | | | |
|---|---|---|---|
| Plot Key | NIMS | Riding Plot Key | Conflict Yes |
| CDS Bytes | 0 | Report Options | Real Time Activity No |

## Observation Objective

To acquire NIMS spectral data in 102 wavelengths at every 30 degrees of rotation in a 360 degree period. This is the fifth observation in a series of eight.

## Design Detail

Alias IDUNROTATI03

One NIMS scan across the error ellipse at a sampling rate of 0.09 mrad/sec in 102 wavelengths.

Short Map (SM), Gain 4, Grating Start 2, Chopper Ref, MPW

Last Changed 05/22/95 Changed By FEL 08/12/93 11:53:02

Galileo Activity Plan Form rev 5/95

Ida 15 deg Rotation Observation

ACTIVITY ID: IDUNRT15SM08+
START TIME: 93-240/14:49:44

Activity ID: Orbit ID Target U Inst N OAPEL RT15SM SeqNo 08 Multi +

Title Ida 15 deg Rotation Observation Instrument NIMS

Requestor M. Segura Team NIMS Working Group SWG

Time System CDS Load ID EJ3 Calendar Date 08/28/93 Week 34

| | | | |
|---|---|---|---|
| Start | IEE-CDS 00000121:00:0 | 93-240/14:49:44 | IEE-000/02:02:20 |
| End | IEE-CDS 00000117:50:0 | 93-240/14:53:13 | IEE-000/01:58:51 |
| Duration | 00000003:41:0 | 000/00:03:29 | 000/00:03:29 |

Top Label IDUNRT15SM08+
Bottom Label

| | | | |
|---|---|---|---|
| Plot Key | NIMS | Riding Plot Key | Conflict Yes |
| CDS Bytes | 0 | Report Options | Real Time Activity No |

## Observation Objective

To obtain NIMS spectral data in 102 wavelengths at each 15 degrees of rotation in a 360 degree period. This is the eighth of twelve observations of this nature

## Design Detail

Alias IDUNROTATI03

One NIMS scan across the error ellipse plus pointing uncertainty at a sampling rate of 0.09 mrad/sec in short map 102 wavelength mode.

Short Map (SM), Gain 4, Grating Start 2, Chopper Ref, MPW

Last Changed 05/22/95 Changed By FEL 08/12/93 11:53:02

Galileo Activity Plan Form rev 5/95

Ida Rotation 30 deg Observation

ACTIVITY ID: IDUNRT30SM06+
START TIME: 93-240/15:01:52

Activity ID: Orbit ID Target U Inst N OAPEL RT30SM SeqNo 06 Multi +

Title Ida Rotation 30 deg Observation Instrument NIMS

Requestor M. Segura Team NIMS Working Group SWG

Time System CDS Load ID EJ3 Calendar Date 08/28/93 Week 34

| | | | |
|---|---|---|---|
| Start | IEE-CDS 00000109:00:0 | 93-240/15:01:52 | IEE-000/01:50:12 |
| End | IEE-CDS 00000106:00:0 | 93-240/15:04:54 | IEE-000/01:47:10 |
| Duration | 00000003:00:0 | 000/00:03:02 | 000/00:03:02 |

Top Label IDUNRT30SM06+
Bottom Label

| | | | |
|---|---|---|---|
| Plot Key | NIMS | Riding Plot Key | Conflict Yes |
| CDS Bytes | 0 | Report Options | Real Time Activity No |

## Observation Objective

To acquire NIMS spectral data in 102 wavelengths at every 30 degrees of rotation in a 360 degree period. This is the sixth observation in a series of eight.

## Design Detail

Alias IDUNROTATI03

One NIMS scan across the error ellipse at a sampling rate of 0.09 mrad/sec in 102 wavelengths.

Short Map (SM), Gain 4, Grating Start 2, Chopper Ref, MPW

Last Changed 05/22/95 Changed By FEL 08/12/93 11:53:02

Galileo Activity Plan Form rev 5/95

Ida 15 deg Rotation Observation

ACTIVITY ID: IDUNRT15SM09+
START TIME: 93-240/15:12:59

Activity ID: Orbit ID Target U Inst N OAPEL RT15SM SeqNo 09 Multi +

Title Ida 15 deg Rotation Observation Instrument NIMS

Requestor M. Segura Team NIMS Working Group SWG

Time System CDS Load ID EJ3 Calendar Date 08/28/93 Week 34

| | | | |
|---|---|---|---|
| Start | IEE-CDS 00000098:00:0 | 93-240/15:12:59 | IEE-000/01:39:05 |
| End | IEE-CDS 00000094:50:0 | 93-240/15:16:28 | IEE-000/01:35:36 |
| Duration | 00000003:41:0 | 000/00:03:29 | 000/00:03:29 |

Top Label IDUNRT15SM09+
Bottom Label

| | | | |
|---|---|---|---|
| Plot Key | NIMS | Riding Plot Key | Conflict Yes |
| CDS Bytes | 0 | Report Options | Real Time Activity No |

## Observation Objective

To obtain NIMS spectral data in 102 wavelengths at each 15 degrees of rotation in a 360 degree period. This is the ninth of twelve observations of this nature

## Design Detail

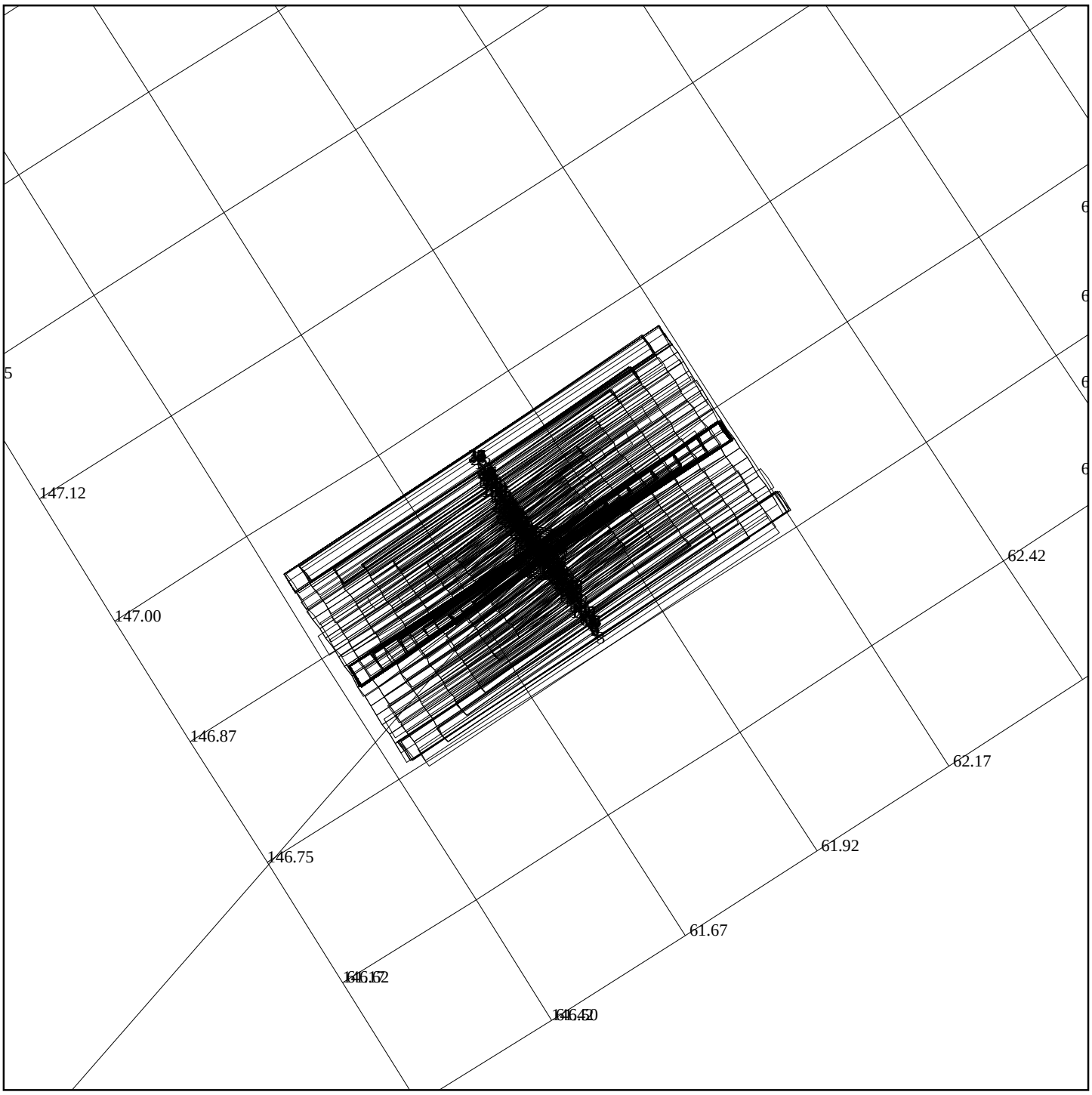
Alias IDUNROTATI03

One NIMS scan across the error ellipse plus pointing uncertainty at a sampling rate of 0.09 mrad/sec in short map 102 wavelength mode.

Short Map (SM), Gain 4, Grating Start 2, Chopper Ref, MPW

Last Changed 05/22/95 Changed By FEL 08/12/93 11:53:02

Galileo Activity Plan Form rev 5/95




## IDUNROTATI04

**POINTER E1.0 Iisac: 7/20/1993 9: 8:32**
**FILE:P.IDUNROTATI04**
**CENTRAL BODY:PLUTO**
**MINI:m.IDUNROTATI04**
**S/C EPH:/DATA/EPH/IDA22-050593.t**
**PERIAPSIS:93-240/16:53:00.000**
**START:IEE 93-240/16:52:04.066 -CDS 92:00:0**
**OBSERVATION:IDUNROTATI04**

**Modes: XM,FM,SM, Gain 4, Chop Ref, Gr_Off 4**
**Multiple Observations, Multiple NIMS Modes.**

**Mosaic Start: Cone: 146.8, Clock: 61.9**
**Combination of CSMOS and SMOS**
**Plot Ref Time: Start of First Mosaic (TARGET)**
**Lat, Lon, Range, Res, Phase: (+50.1, 24.9, 69882, 35, 20)**
**DESCRIP:ROTATION MOVIE 4**

Ida Rotation Uncertainty Reduction Obs  ACTIVITY ID: IDUNRTURXM04+
START TIME: 93-240/15:19:03

Activity ID: Orbit ID Target U Inst N OAPEL RTURXM SeqNo 04 Multi +

Title Ida Rotation Uncertainty Reduction Obs Instrument NIMS

Requestor M. Segura Team NIMS Working Group SWG

Time System CDS Load ID EJ3 Calendar Date 08/28/93 Week 34

| | | | |
|---|---|---|---|
| Start | IEE-CDS 00000092:00:0 | 93-240/15:19:03 | IEE-000/01:33:01 |
| End | IEE-CDS 00000091:00:0 | 93-240/15:20:04 | IEE-000/01:32:00 |
| Duration | 00000001:00:0 | 000/00:01:01 | 000/00:01:01 |

Top Label IDUNRTURXM04+
Bottom Label

| | | | |
|---|---|---|---|
| Plot Key | NIMS | Riding Plot Key | Conflict Yes |
| CDS Bytes | 0 | Report Options | Real Time Activity No |

## Observation Objective

To acquire NIMS data in Fixed Map mode - 17 wavelengths for the purpose of reducing the target/pointing uncertainty of the rotation observations.

## Design Detail

Alias IDUNROTATI04

One NIMS scan at .75 mrad/sec across the error ellipse to be used for locating IDA in SSI frames. This will reduce tape recorder/playback overhead planned in the current strategy.

Fixed Map (XM), Gain 3, Grating Start 6, Chopper Ref, MPW

Last Changed 05/22/95 Changed By FEL 08/12/93 11:53:02

Galileo Activity Plan Form rev 5/95

Ida Rotation 90 deg Full Map Observati  ACTIVITY ID: IDUNRT90FM04+
START TIME: 93-240/15:25:07

Activity ID: Orbit ID Target U Inst N OAPEL RT90FM SeqNo 04 Multi +

Title Ida Rotation 90 deg Full Map Observati Instrument NIMS

Requestor M. Segura Team NIMS Working Group SWG

Time System CDS Load ID EJ3 Calendar Date 08/28/93 Week 34

| | | | |
|---|---|---|---|
| Start | IEE-CDS 00000086:00:0 | 93-240/15:25:07 | IEE-000/01:26:57 |
| End | IEE-CDS 00000083:00:0 | 93-240/15:28:09 | IEE-000/01:23:55 |
| Duration | 00000003:00:0 | 000/00:03:02 | 000/00:03:02 |

Top Label IDUNRT90FM04+
Bottom Label

| | | | |
|---|---|---|---|
| Plot Key | NIMS | Riding Plot Key | Conflict Yes |
| CDS Bytes | 0 | Report Options | Real Time Activity No |

## Observation Objective

NIMS will perform a full map spectral (204 wavelengths), disk image of Ida at every 90 degrees of rotation for a period of 360 degrees. This is the last of 4 observations.

## Design Detail

Alias IDUNROTATI04

One NIMS scan across the error ellipse at a sampling rate of 0.05 mrad/sec in full map mode.

Full Map (FM), Gain 3, Grating Start 0, Chopper Ref, MPW

Last Changed 05/22/95 Changed By FEL 08/12/93 11:53:02

Galileo Activity Plan Form rev 5/95

Ida 15 deg Rotation Observation

ACTIVITY ID: IDUNRT15SM10+
START TIME: 93-240/15:36:14

Activity ID: Orbit ID Target U Inst N OAPEL RT15SM SeqNo 10 Multi +

Title Ida 15 deg Rotation Observation Instrument NIMS

Requestor M. Segura Team NIMS Working Group SWG

Time System CDS Load ID EJ3 Calendar Date 08/28/93 Week 34

| | | | |
|---|---|---|---|
| Start | IEE-CDS 00000075:00:0 | 93-240/15:36:14 | IEE-000/01:15:50 |
| End | IEE-CDS 00000071:50:0 | 93-240/15:39:44 | IEE-000/01:12:20 |
| Duration | 00000003:41:0 | 000/00:03:30 | 000/00:03:30 |

Top Label IDUNRT15SM10+
Bottom Label

| | | | |
|---|---|---|---|
| Plot Key | NIMS | Riding Plot Key | Conflict Yes |
| CDS Bytes | 0 | Report Options | Real Time Activity No |

## Observation Objective

To obtain NIMS spectral data in 102 wavelengths at each 15 degrees of rotation in a 360 degree period. This is the tenth of twelve observations of this nature

## Design Detail

Alias IDUNROTATI04

One NIMS scan across the error ellipse plus pointing uncertainty at a sampling rate of 0.09 mrad/sec in short map 102 wavelength mode.

Short Map (SM), Gain 3, Grating Start 2, Chopper Ref, MPW

Last Changed 05/22/95 Changed By FEL 08/12/93 11:53:02

Galileo Activity Plan Form rev 5/95

Ida Rotation 30 deg Observation

ACTIVITY ID: IDUNRT30SM07+
START TIME: 93-240/15:48:22

Activity ID: Orbit ID Target U Inst N OAPEL RT30SM SeqNo 07 Multi +

Title Ida Rotation 30 deg Observation Instrument NIMS

Requestor M. Segura Team NIMS Working Group SWG

Time System CDS Load ID EJ3 Calendar Date 08/28/93 Week 34

| | | | |
|---|---|---|---|
| Start | IEE-CDS 00000063:00:0 | 93-240/15:48:22 | IEE-000/01:03:42 |
| End | IEE-CDS 00000060:00:0 | 93-240/15:51:24 | IEE-000/01:00:40 |
| Duration | 00000003:00:0 | 000/00:03:02 | 000/00:03:02 |

Top Label IDUNRT30SM07+
Bottom Label

| | | | |
|---|---|---|---|
| Plot Key | NIMS | Riding Plot Key | Conflict Yes |
| CDS Bytes | 0 | Report Options | Real Time Activity No |

## Observation Objective

To acquire NIMS spectral data in 102 wavelengths at every 30 degrees of rotation in a 360 degree period. This is the seventh observation in a series of eight.

## Design Detail

Alias IDUNROTATI04

One NIMS scan across the error ellipse at a sampling rate of 0.09 mrad/sec in 102 wavelengths.

Short Map (SM), Gain 3, Grating Start 2, Chopper Ref, MPW

Last Changed 05/22/95 Changed By FEL 08/12/93 11:53:02

Galileo Activity Plan Form rev 5/95

Ida 15 deg Rotation Observation — ACTIVITY ID: IDUNRT15SM11+ — START TIME: 93-240/15:59:30

Activity ID: Orbit ID Target U Inst N OAPEL RT15SM SeqNo 11 Multi +

Title Ida 15 deg Rotation Observation Instrument NIMS

Requestor M. Segura Team NIMS Working Group SWG

Time System CDS Load ID EJ3 Calendar Date 08/28/93 Week 34

| | | | |
|---|---|---|---|
| Start | IEE-CDS 00000052:00:0 | 93-240/15:59:30 | IEE-000/00:52:34 |
| End | IEE-CDS 00000048:50:0 | 93-240/16:02:59 | IEE-000/00:49:05 |
| Duration | 00000003:41:0 | 000/00:03:29 | 000/00:03:29 |

Top Label IDUNRT15SM11+
Bottom Label

| | | | |
|---|---|---|---|
| Plot Key | NIMS | Riding Plot Key | Conflict Yes |
| CDS Bytes | 0 | Report Options | Real Time Activity No |

## Observation Objective

To obtain NIMS spectral data in 102 wavelengths at each 15 degrees of rotation in a 360 degree period. This is the eleventh of twelve observations of this nature

## Design Detail

Alias IDUNROTATI04

One NIMS scan across the error ellipse plus pointing uncertainty at a sampling rate of 0.09 mrad/sec in short map 102 wavelength mode.

Short Map (SM), Gain 3, Grating Start 2, Chopper Ref, MPW

Last Changed 05/22/95 Changed By FEL 08/12/93 11:53:02

Galileo Activity Plan Form rev 5/95

Ida Rotation 30 deg Observation

ACTIVITY ID: IDUNRT30SM08+
START TIME: 93-240/16:11:38

Activity ID: Orbit ID Target U Inst N OAPEL RT30SM SeqNo 08 Multi +

Title Ida Rotation 30 deg Observation Instrument NIMS

Requestor M. Segura Team NIMS Working Group SWG

Time System CDS Load ID EJ3 Calendar Date 08/28/93 Week 34

| | | | |
|---|---|---|---|
| Start | IEE-CDS 00000040:00:0 | 93-240/16:11:38 | IEE-000/00:40:26 |
| End | IEE-CDS 00000037:00:0 | 93-240/16:14:40 | IEE-000/00:37:24 |
| Duration | 00000003:00:0 | 000/00:03:02 | 000/00:03:02 |

Top Label IDUNRT30SM08+
Bottom Label

| | | | |
|---|---|---|---|
| Plot Key | NIMS | Riding Plot Key | Conflict Yes |
| CDS Bytes | 0 | Report Options | Real Time Activity No |

## Observation Objective

To acquire NIMS spectral data in 102 wavelengths at every 30 degrees of rotation in a 360 degree period. This is the eighth and final observation in a series of eight.

## Design Detail

Alias IDUNROTATI04

One NIMS scan across the error ellipse at a sampling rate of 0.09 mrad/sec in 102 wavelengths.

Short Map (SM), Gain 3, Grating Start 2, Chopper Ref, MPW

Last Changed 05/22/95 Changed By FEL 08/12/93 11:53:02

Galileo Activity Plan Form rev 5/95

Ida 15 deg Rotation Observation

ACTIVITY ID: IDUNRT15SM12+
START TIME: 93-240/16:22:45

Activity ID: Orbit ID Target U Inst N OAPEL RT15SM SeqNo 12 Multi +

Title Ida 15 deg Rotation Observation Instrument NIMS

Requestor M. Segura Team NIMS Working Group SWG

Time System CDS Load ID EJ3 Calendar Date 08/28/93 Week 34

| | | | |
|---|---|---|---|
| Start | IEE-CDS 00000029:00:0 | 93-240/16:22:45 | IEE-000/00:29:19 |
| End | IEE-CDS 00000025:50:0 | 93-240/16:26:14 | IEE-000/00:25:50 |
| Duration | 00000003:41:0 | 000/00:03:29 | 000/00:03:29 |

Top Label IDUNRT15SM12+
Bottom Label

| | | | |
|---|---|---|---|
| Plot Key | NIMS | Riding Plot Key | Conflict Yes |
| CDS Bytes | 0 | Report Options | Real Time Activity No |

## Observation Objective

To obtain NIMS spectral data in 102 wavelengths at each 15 degrees of rotation in a 360 degree period. This is the last of twelve observations of this nature

## Design Detail

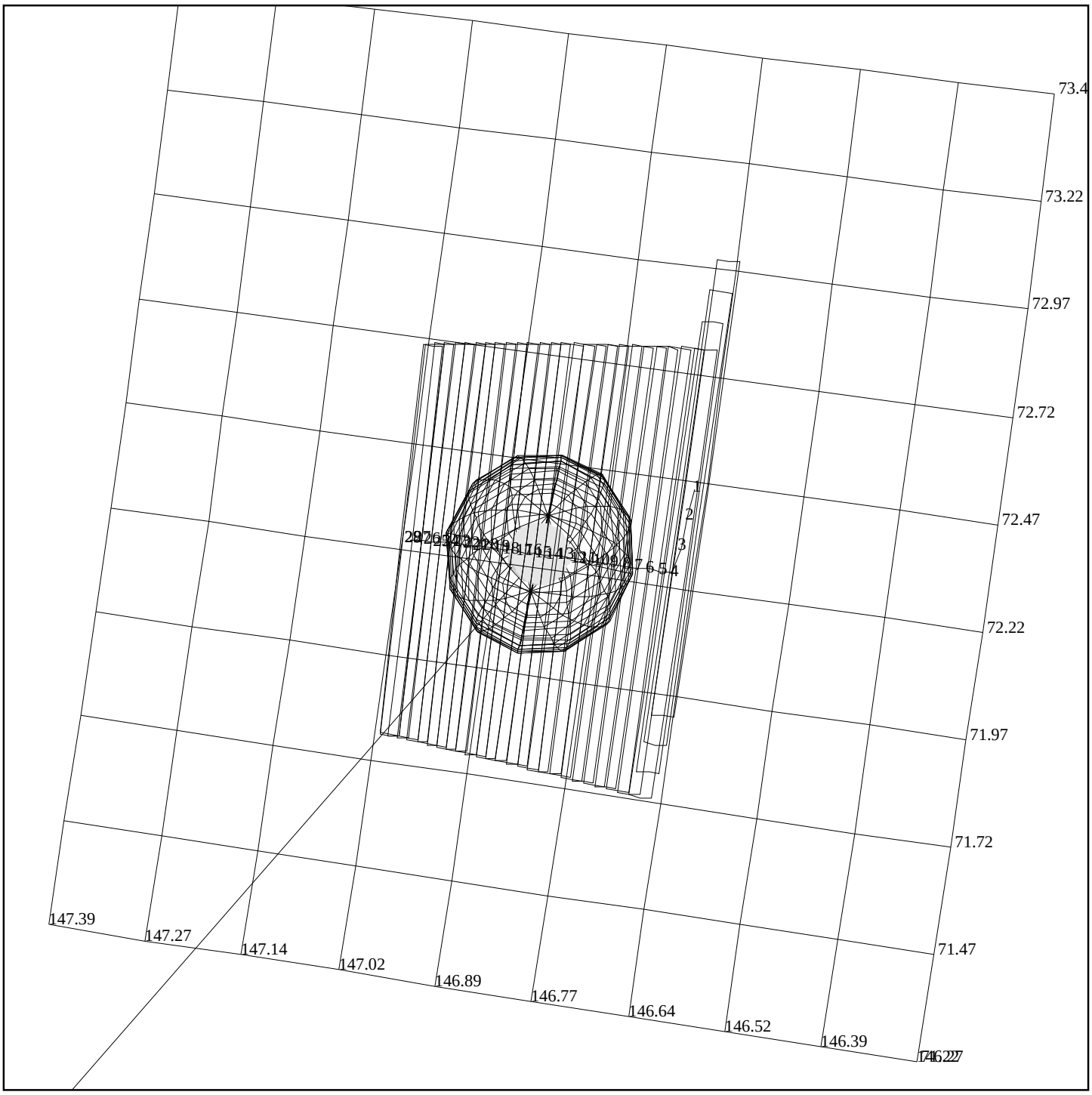
Alias IDUNROTATI04

One NIMS scan across the error ellipse plus pointing uncertainty at a sampling rate of 0.09 mrad/sec in short map 102 wavelength mode.

Short Map (SM), Gain 3, Grating Start 2, Chopper Ref, MPW

Last Changed 05/22/95 Changed By FEL 08/12/93 11:53:02

Galileo Activity Plan Form rev 5/95




## IDUNIDAGLM01

**POINTER E1.0 lisac: 7/20/1993 9: 8:32**
**FILE:P.IDUNIDAGLM01**
**CENTRAL BODY:IDA**
**MINI:m.IDUNIDAGLM01**
**S/C EPH:/DATA/EPH/IDA22-050593.t**
**PERIAPSIS:93-240/16:53:00.000**
**START:IEE 93-240/16:52:04.066 -CDS 26:00:0**
**OBSERVATION:IDUNIDAGLM01**

**Mode: LM, Gr_Strt 0, Gain 3, Chop Ref, Gr_Off 4**
**408 Wavelengths**
**Every 2nd NIMS Footprint, 29 Total plotted**
**Mosaic Start: Cone: 146.65, Clock: 72.4**
**Slew Rate: .03 mrad/sec, 1 Cone Slew**
**Plot Ref Time: Start of Mosaic**
**Lat, Lon, Range, Res, Phase: (23.65, 263.60, 19466, 9.7, 23)**
**DESCRIP:IDA GLOBAL LM OBSERVATION**

Ida Global Long Map Observation

ACTIVITY ID: IDUNIDAGLM01+
START TIME: 93-240/16:25:47

Activity ID: Orbit ID Target U Inst N OAPEL IDAGLM SeqNo 01 Multi +

Title Ida Global Long Map Observation Instrument NIMS

Requestor M. Segura Team NIMS Working Group SWG

Time System CDS Load ID EJ3 Calendar Date 08/28/93 Week 34

| | | | |
|---|---|---|---|
| Start | IEE-CDS 00000026:00:0 | 93-240/16:25:47 | IEE-000/00:26:17 |
| End | IEE-CDS 00000021:00:0 | 93-240/16:30:50 | IEE-000/00:21:14 |
| Duration | 00000005:00:0 | 000/00:05:03 | 000/00:05:03 |

Top Label IDUNIDAGLM01+
Bottom Label

| | | | |
|---|---|---|---|
| Plot Key | NIMS | Riding Plot Key | Conflict Yes |
| CDS Bytes | 229 | Report Options | Real Time Activity No |

## Observation Objective

To obtain NIMS spectral data in 408 wavelengths, long map mode. This provides the highest spectral resolution data on Ida, at a necessarily lower spectral resolution.

## Design Detail

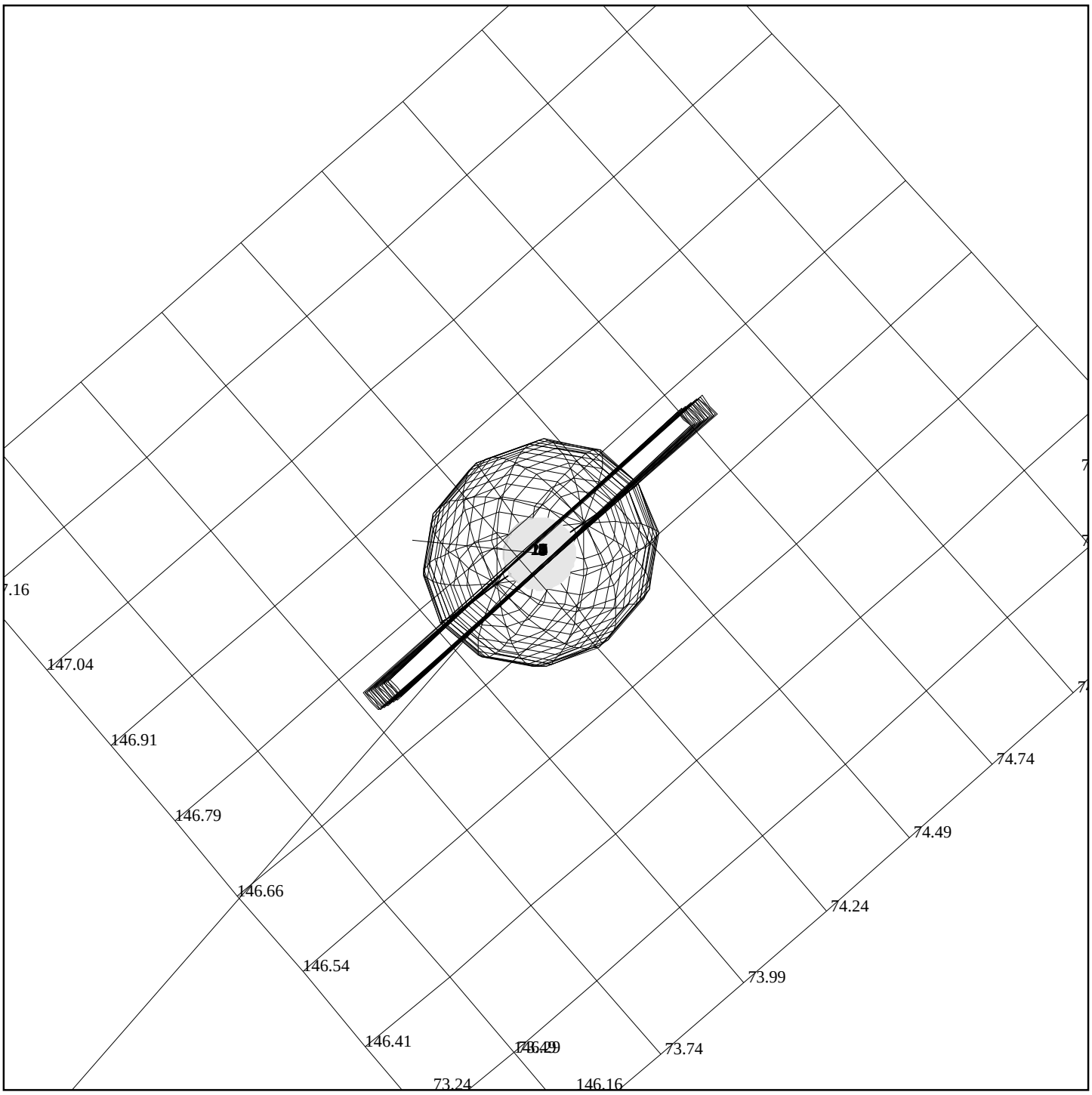
Alias

This observation is done in long map mode, in 408 wavelengths with a sampling rate of 0.03 mrad/sec.

Long Map (LM), Gain 3, Grating Start 0, Chopper Ref, MPW

Last Changed 05/22/95 Changed By FEL 08/12/93 11:53:02

Galileo Activity Plan Form rev 5/95




## IDUNLONMAP01

**POINTER E1.0 lisac: 7/20/1993 9: 8:32**
**FILE:P.IDUSFINROT01**
**CENTRAL BODY:IDA**
**MINI:m.IDUNIDACMB01**
**S/C EPH:/DATA/EPH/IDA22-050593.t**
**PERIAPSIS:93-240/16:53:00.000**
**START:IEE 93-240/16:52:04.066 -CDS 26:00:0**
**OBSERVATION:IDUSFINROT01**

**Mode: LM, Gr_Strt 0, Gain 3, Chop Ref, Gr_Off 4**
**408 Wavelengths**
**Every 2nd NIMS Footprint, 21 Total plotted**
**Mosaic Start: Cone: 146.75, Clock: 74.3**
**Slew Rate: xxx mrad/sec, SMOS**
**Plot Ref Time: Start of Mosaic**
**Lat, Lon, Range, Res, Phase: (-20.95, 321.94, 16521, 8.3, 23)**
**DESCRIP:IDA SSI FINAL ROTATION**

NIMS Long Map / IDUSFINROT

ACTIVITY ID: IDUNLONMAP01+
START TIME: 93-240/16:29:50

Activity ID: Orbit ID Target U Inst N OAPEL LONMAP SeqNo 01 Multi +

Title NIMS Long Map / IDUSFINROT Instrument NIMS

Requestor M. Segura Team NIMS Working Group SWG

Time System CDS Load ID EJ3 Calendar Date 08/28/93 Week 34

| | | | |
|---|---|---|---|
| Start | IEE-CDS 00000022:00:0 | 93-240/16:29:50 | IEE-000/00:22:14 |
| End | IEE-CDS 00000018:00:0 | 93-240/16:33:52 | IEE-000/00:18:12 |
| Duration | 00000004:00:0 | 000/00:04:02 | 000/00:04:02 |

Top Label IDUNLONMAP01+
Bottom Label

Plot Key NIMS Riding Plot Key Conflict Yes
CDS Bytes 0 Report Options Real Time Activity No

Observation Objective

NIMS ride-along with SSI's final rotation observation.

Design Detail

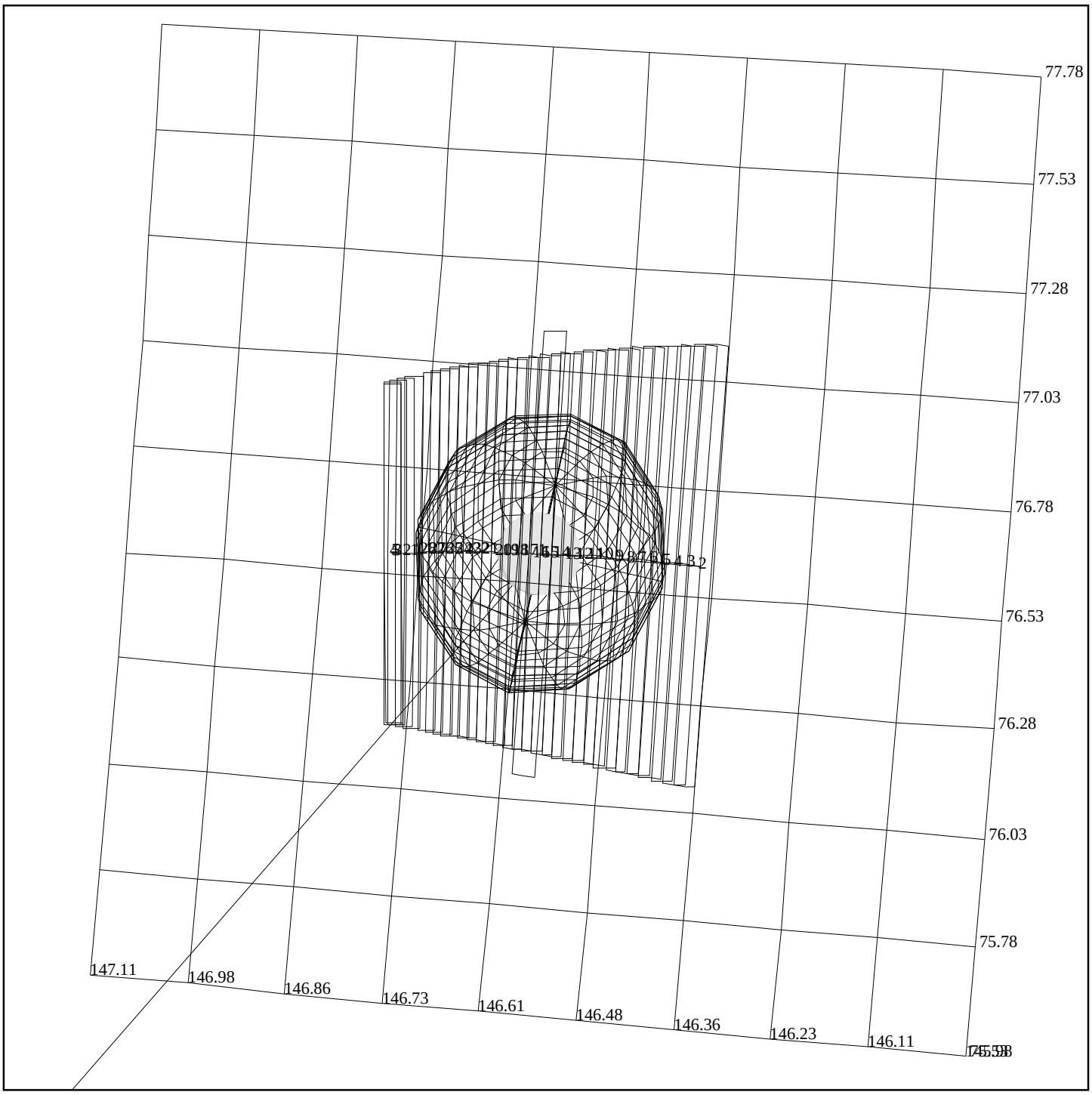
Alias IDUSFINROT01

NIMS ride-along behind SSI stop and shoot.
NIMS is in Long Map mode.

Long Map (LM), Gain 3, Grating Start 0, Chopper Ref, HCM

Last Changed 05/22/95 Changed By FEL 08/12/93 11:53:02

Galileo Activity Plan Form rev 5/95




## IDUNIDAFIN01

**POINTER E1.0 lisac: 7/20/1993 9: 8:32**
**FILE:P.IDUNIDAFIN01**
**CENTRAL BODY:IDA**
**MINI:m.IDUNIDACMB01**
**S/C EPH:/DATA/EPH/IDA22-050593.t**
**PERIAPSIS:93-240/16:53:00.000**
**START:IEE 93-240/16:52:04.066 -CDS 26:00:0**
**OBSERVATION:IDUNIDAFIN01**

**Mode: LM, Gr_Strt 0, Gain 3, Chop Ref, Gr_Off 4**
**408 Wavelengths**
**Every 2nd NIMS Footprint, 27 Total plotted**
**Mosaic Start: Cone: 146.6, Clock: 76.6**
**Slew Rate: .03 mrad/sec, 1 Cone Slew**
**Plot Ref Time: Start of Mosaic**
**Lat, Lon, Range, Res, Phase: (+7.61, 359.10, 14320, 7.2, 24)**
**DESCRIP:IDA FINAL 90 DEG ROTATION MAP**

NIMS Final 90 deg Rotation Map — ACTIVITY ID: IDUNIDAFIN01+ — START TIME: 93-240/16:32:52

Activity ID: Orbit ID Target U Inst N OAPEL IDAFIN SeqNo 01 Multi +

Title NIMS Final 90 deg Rotation Map — Instrument NIMS

Requestor M. Segura — Team NIMS — Working Group SWG

Time System CDS — Load ID EJ3 — Calendar Date 08/28/93 — Week 34

| | | | |
|---|---|---|---|
| Start | IEE-CDS 00000019:00:0 | 93-240/16:32:52 | IEE-000/00:19:12 |
| End | IEE-CDS 00000013:45:0 | 93-240/16:38:26 | IEE-000/00:13:38 |
| Duration | 00000005:46:0 | 000/00:05:34 | 000/00:05:34 |

Top Label IDUNIDAFIN01+
Bottom Label

Plot Key NIMS — Riding Plot Key — Conflict Yes
CDS Bytes 229 — Report Options — Real Time Activity No

## Observation Objective

NIMS will perform a Long Map spectral, disk image of IDA. This is the last of the rotation observations and the fifth 90 degree observation taken by NIMS. The data is taken in 408 wavelengths. This observation provides the highest spectral resolution data on the asteroid at a necessarily lower spectral resolution.

## Design Detail

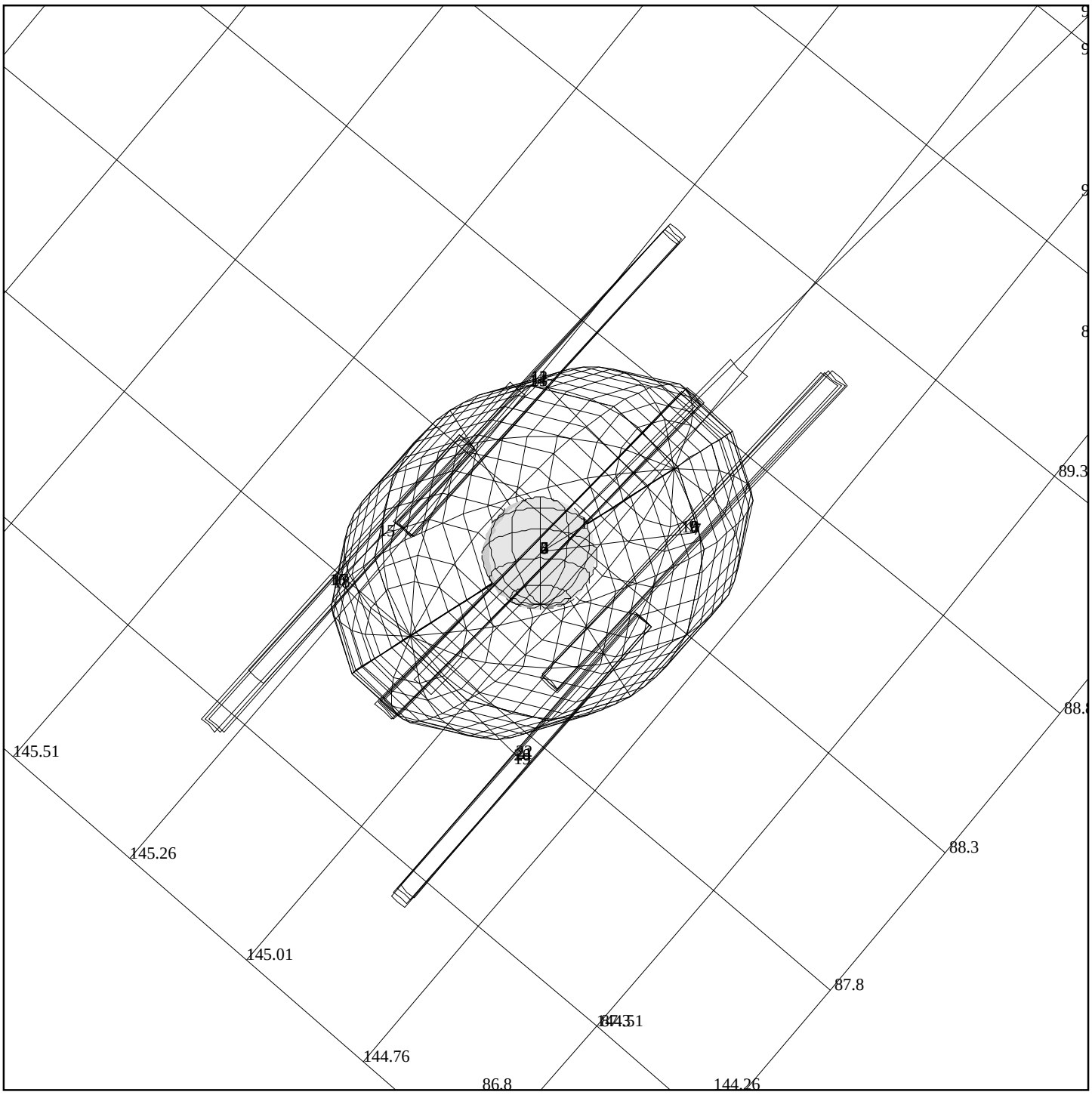
Alias

Instrument is in Long Map mode at 408 wavelenghts, this mode being used on the fifth and last 90 degrees of rotation.
Sampling rate is 0.03 mrad/sec.

Long Map (LM), Gain 3, Grating Start 0, Chopper Ref, MPW

Last Changed 05/22/95 Changed By FEL — 08/12/93 11:53:02

Galileo Activity Plan Form — rev 5/95




## IDUNLONMAP02

**POINTER E1.0 lisac: 7/20/1993 9: 8:32**
**FILE:P.IDUS6COLOR01**
**CENTRAL BODY:IDA**
**MINI:m.IDUS6COLOR01**
**S/C EPH:/DATA/EPH/IDA22-050593.t**
**PERIAPSIS:93-240/16:53:00.000**
**START:IEE 93-240/16:52:04.066 -CDS 15:00:0**
**OBSERVATION:IDUS6COLOR01**

**Mode: LM, Gr_Strt 0, Gain 3, Chop Ref, Gr_Off 4**
**408 Wavelengths**
**Every 2nd NIMS Footprint, 22 Total plotted**
**Mosaic Start: Cone: 145.05, Clock: 88.2**
**Slew Rate: xxx mrad/sec, SMOS**
**Plot Ref Time: Start of Mosaic**
**Lat, Lon, Range, Res, Phase: (+12.42, 282.10, 11402, 5.7, 26)**
**DESCRIP:TARGET FOR 6-COLOR 1X1 4-COLOR 2**

NIMS Long Map / IDUS6COLOR

ACTIVITY ID: IDUNLONMAP02+
START TIME: 93-240/16:39:56

Activity ID: Orbit ID Target U Inst N OAPEL LONMAP SeqNo 02 Multi +

Title NIMS Long Map / IDUS6COLOR Instrument NIMS

Requestor M. Segura Team NIMS Working Group SWG

Time System CDS Load ID EJ3 Calendar Date 08/28/93 Week 34

| | | | |
|---|---|---|---|
| Start | IEE-CDS 00000012:00:0 | 93-240/16:39:56 | IEE-000/00:12:08 |
| End | IEE-CDS 00000007:00:0 | 93-240/16:45:00 | IEE-000/00:07:04 |
| Duration | 00000005:00:0 | 000/00:05:04 | 000/00:05:04 |

Top Label IDUNLONMAP02+
Bottom Label

Plot Key NIMS Riding Plot Key Conflict Yes
CDS Bytes 0 Report Options Real Time Activity No

Observation Objective

NIMS ride-along with SSI's 6 color observation.

Design Detail

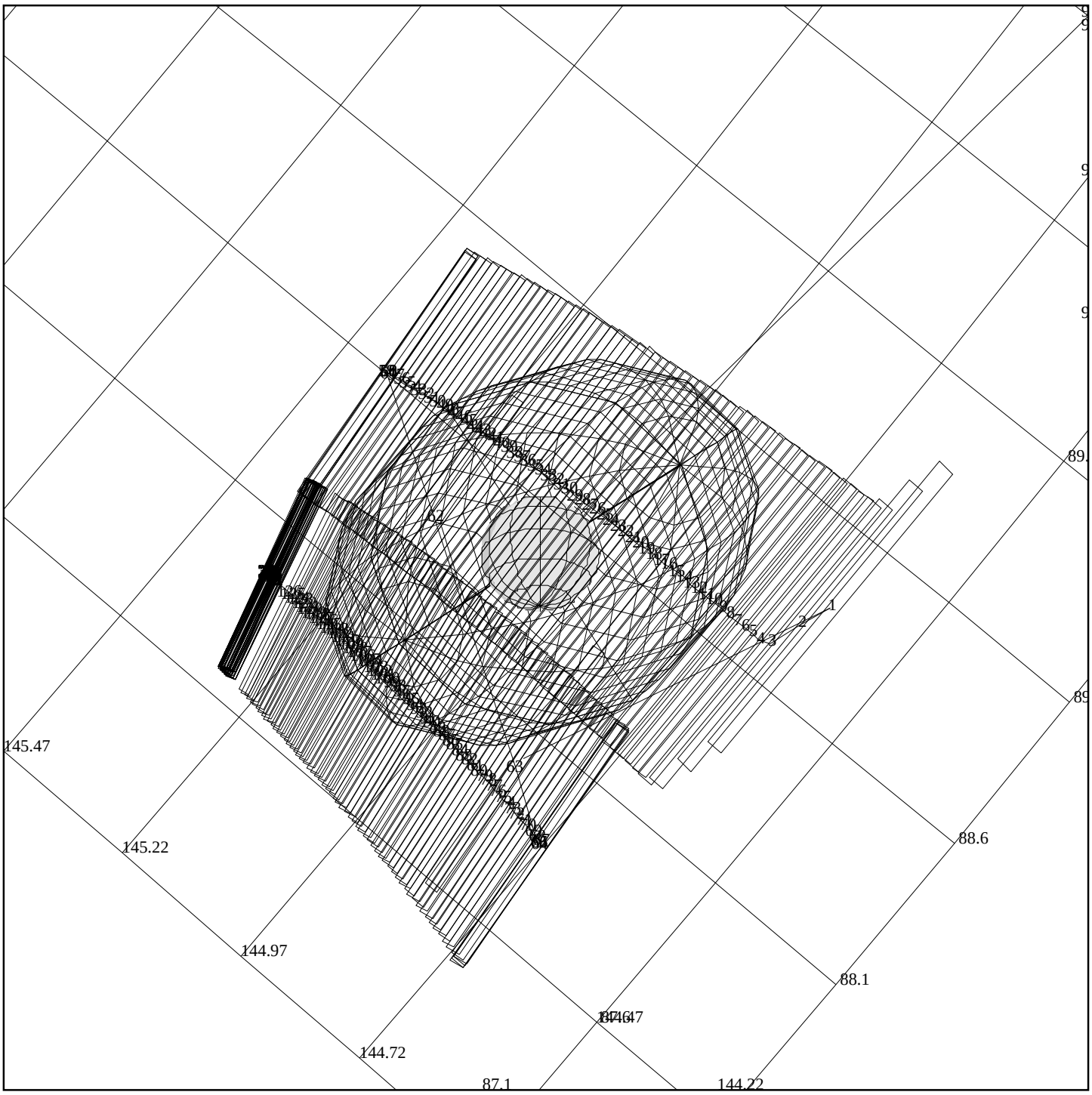
Alias IDUS6COLOR01

NIMS ride-along behind SSI stop and shoot.
NIMS is in Long Map mode.

Long Map (LM), Gain 3, Grating Start 0, Chopper Ref, IM4

Last Changed 05/22/95 Changed By FEL 08/12/93 11:53:02

Galileo Activity Plan Form rev 5/95




## IDUNIDACHM01

**POINTER E1.0 lisac: 7/20/1993 11:19:37**
**FILE:P.IDUNIDACHM01**
**CENTRAL BODY:IDA**
**MINI:/home/lisac/ej3seq/NIMS/m.ej03ab**
**S/C EPH:/DATA/EPH/IDA22-050593.t**
**PERIAPSIS:93-240/16:53:00.000**
**START:IEE 93-240/16:52:04.066 -CDS 11:00:0**
**OBSERVATION:IDUNIDACHM01**

**Mode: SM, Gr_Strt 2, Gain 3, Chop Ref, Gr_Off 4**
**102 Wavelengths**
**Every 2nd NIMS Footprint, 53 Total plotted**
**Mosaic Start: Cone: 144.62, Clock: 88.9**
**Slew Rate: .09 mrad/sec, Z Scan**
**Plot Ref Time: Start of Mosaic**
**Lat, Lon, Range, Res, Phase: (-10.16, 235.47, 8521, 4.3, 30)**
**DESCRIP:IDA COMPOSITION @ 102 WAVELENGTH**

IDA Composition at 102 wavelengths

ACTIVITY ID: IDUNIDACHM01+
START TIME: 93-240/16:40:57

Activity ID: Orbit ID Target U Inst N OAPEL IDACHM SeqNo 01 Multi +

Title IDA Composition at 102 wavelengths Instrument NIMS

Requestor M. Segura Team NIMS Working Group SWG

Time System CDS Load ID EJ3 Calendar Date 08/28/93 Week 34

| | | | |
|---|---|---|---|
| Start | IEE-CDS 00000011:00:0 | 93-240/16:40:57 | IEE-000/00:11:07 |
| End | IEE-CDS 00000005:00:0 | 93-240/16:47:01 | IEE-000/00:05:03 |
| Duration | 00000006:00:0 | 000/00:06:04 | 000/00:06:04 |

Top Label IDUNIDACHM01+
Bottom Label

| | | | |
|---|---|---|---|
| Plot Key | NIMS | Riding Plot Key | Conflict Yes |
| CDS Bytes | 229 | Report Options | Real Time Activity No |

## Observation Objective

Map the compositional heterogeneity of IDA using 102 wavelengths (1/4 of the full NIMS spectral resolution). The 102 wavelength mode provides the highest spatial resolution at a spectral resolution of about 0.04 microns. This is the lowest available spectral resolution which permits analysis of shape for solid bands. This is the NIMS-driven highest priority observation with 95% probability of capture.

## Design Detail

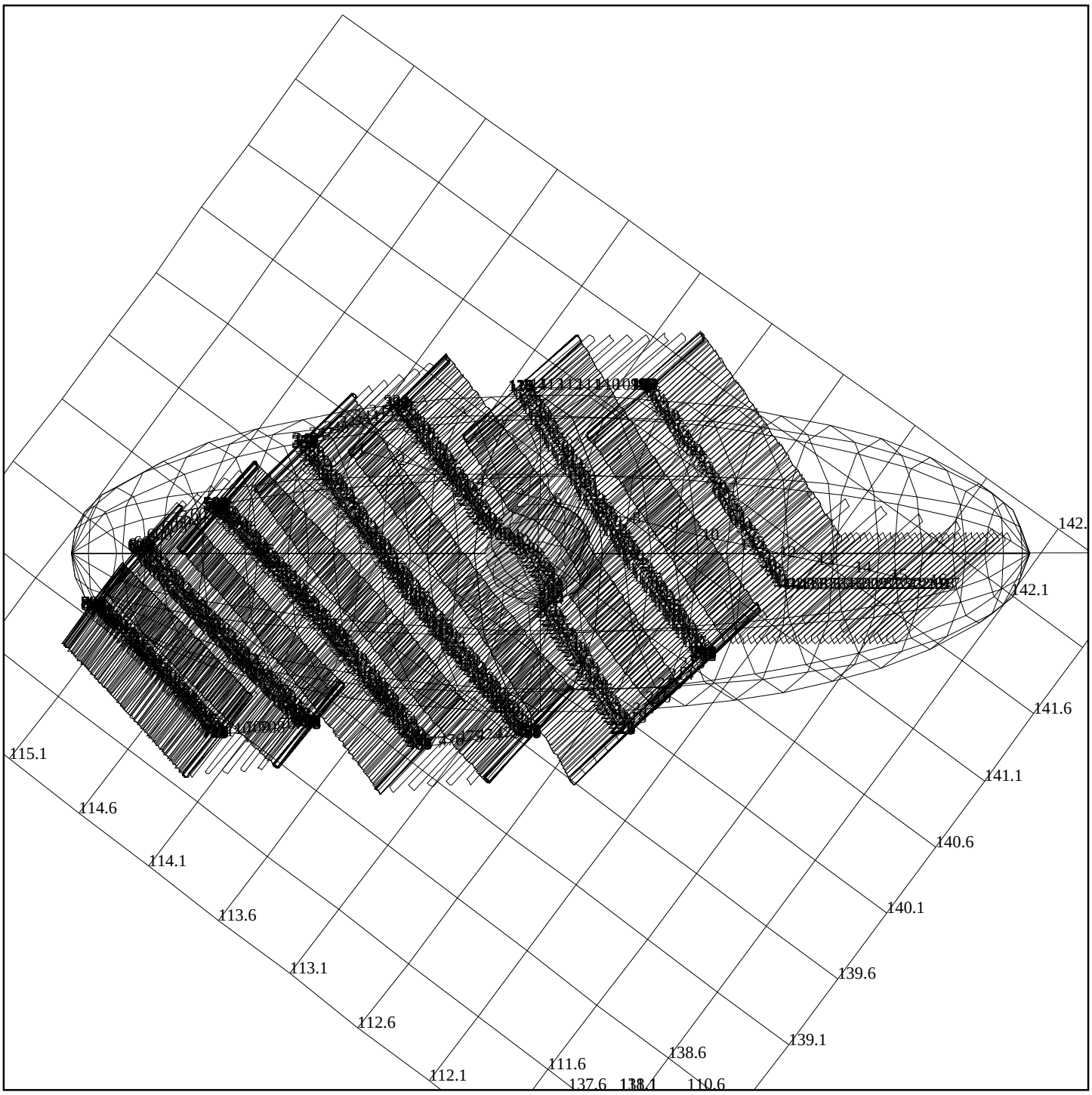
Alias

This observations is the last of NIMS planned Short Map scans of Ida. The instrument is sampling at 0.09 mrad/sec in 102 wavelengths.

Short Map (SM), Gain 3, Grating Start 2, Chopper Ref, MPW

Last Changed 05/22/95 Changed By FEL 08/12/93 11:53:02

Galileo Activity Plan Form rev 5/95




## IDUNHISPAT01

**POINTER E1.0 lisac: 7/20/1993 9: 8:32**

**FILE:P.IDUSHIRES_01**

**CENTRAL BODY:IDA**

**MINI:m.IDUSHIRES_01**

**S/C EPH:/DATA/EPH/IDA22-050593.t**

**PERIAPSIS:93-240/16:53:00.000**

**START:IEE 93-240/16:52:04.066 -CDS 6:00:0**

**OBSERVATION:IDUSHIRES_01**

**Mode: XM, Gr_Strt 6, Gain 3, Chop Ref, Gr_Off 4**

**17 Wavelengths**

**Every 2nd NIMS Footprint, 804 Total plotted**

**Mosaic Start: Cone: 114.6, Clock: 140.5**

**Slew Rate: .80 mrad/sec, Box Scan**

**Plot Ref Time: Start of Mosaic**

**Lat, Lon, Range, Res, Phase: (-1.60, 73.63, 4762, 2.4, 39)**

**DESCRIP:HIRES 95% CONFIDENCE OBSERVATION**

Ida Highest Spatial Resolution Observa  ACTIVITY ID: IDUNHISPAT01+
START TIME: 93-240/16:46:31

Activity ID: Orbit ID Target U Inst N OAPEL HISPAT SeqNo 01 Multi +

Title Ida Highest Spatial Resolution Observa Instrument NIMS

Requestor M. Segura Team NIMS Working Group SWG

Time System CDS Load ID EJ3 Calendar Date 08/28/93 Week 34

| | | | |
|---|---|---|---|
| Start | IEE-CDS 00000005:45:0 | 93-240/16:46:31 | IEE-000/00:05:33 |
| End | IEE-CDS 00000001:00:0 | 93-240/16:51:04 | IEE-000/00:01:00 |
| Duration | 00000004:45:0 | 000/00:04:33 | 000/00:04:33 |

Top Label IDUNHISPAT01+
Bottom Label

Plot Key NIMS Riding Plot Key Conflict Yes
CDS Bytes 0 Report Options Real Time Activity No

## Observation Objective

To obtain NIMS data in Fixed Map mode (17 wavelengths), in conjuction with the SSI High Resolution observation. This observation provides the highest spatial resolution spectral image with 95% probability of capture. Ida is sampled in 17 wavelengths spanning from 0.7 to 5.2 microns.

## Design Detail

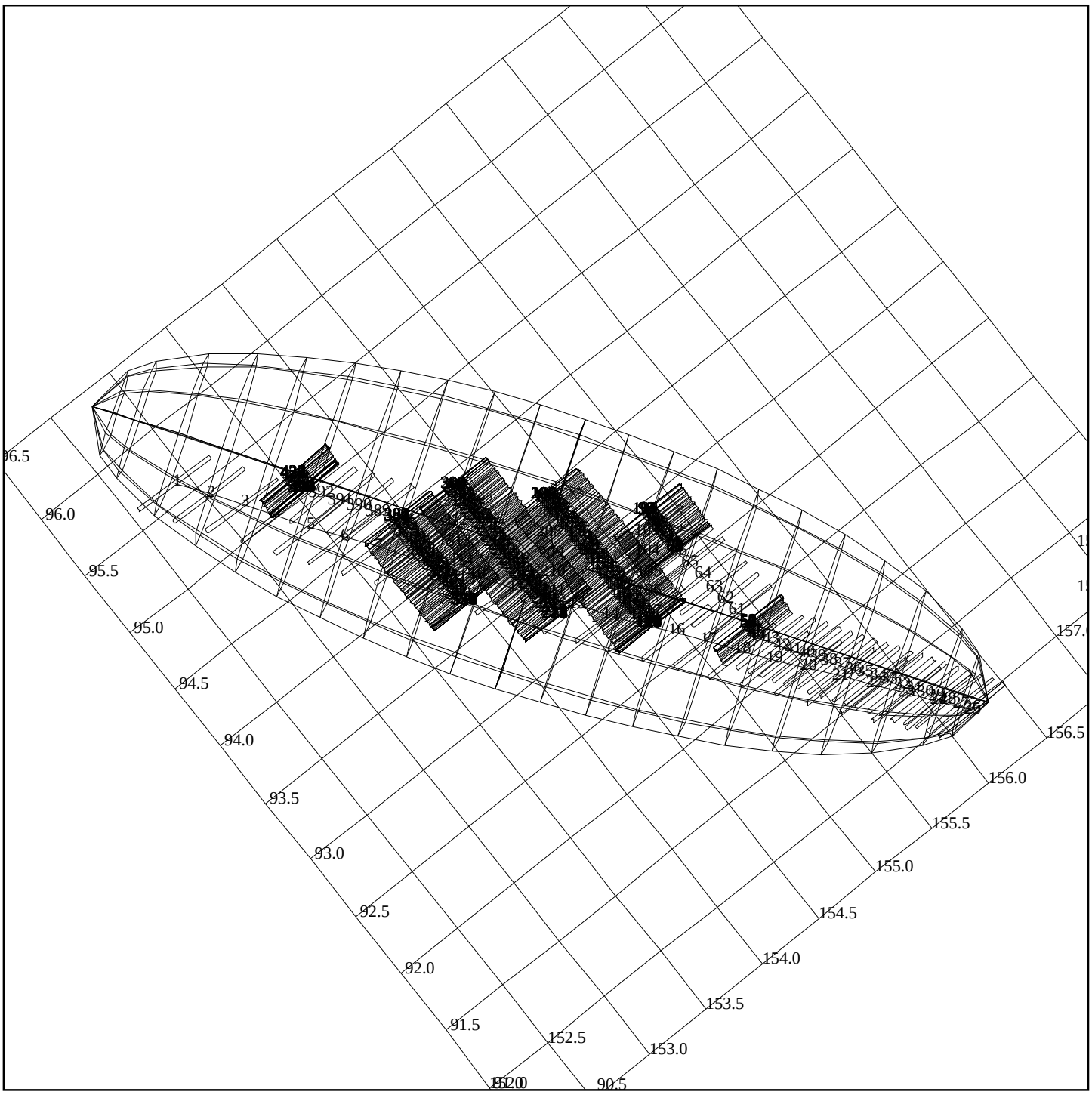
Alias IDUSHIRES01

This observation is designed such that both NIMS and SSI are in compatible modes and scan rates. NIMS is in Fixed Map mode and scannng at a rate of 0.800 mrad/sec.

Fixed Map (XM), Gain 3, Grating Start 6, Chopper Ref, IM4

Last Changed 05/22/95 Changed By FEL 08/12/93 11:53:02

Galileo Activity Plan Form rev 5/95




## IDUNIDACA_01

**POINTER E1.0 Iisac: 7/20/1993 9: 8:32**
**FILE:P.IDUSENCNTR01**
**CENTRAL BODY:IDA**
**MINI:m.IDUSENCNTR01**
**S/C EPH:/DATA/EPH/IDA22-050593.t**
**PERIAPSIS:93-240/16:53:00.000**
**START:IEE 93-240/16:52:04.066 -CDS 1:00:0**
**OBSERVATION:IDUSENCNTR01**

**Mode: XM, Gr_Strt 6, Gain 3, Chop Ref, Gr_Off 4**
**17 Wavelengths**
**Every 2nd NIMS Footprint, 430 Total plotted**
**Mosaic Start: Cone: 95.6, Clock: 152.9**
**Slew Rate: .80 mrad/sec, Z Scan**
**Plot Ref Time: Start of Mosaic**
**Lat, Lon, Range, Res, Phase: (-3.84, 123.46, 2611, 1.3, 74)**
**DESCRIP:SUPER HI-RES REDUCED CONFIDENCE**

| | |
|---|---|
| Ida Closest Approach Observation | ACTIVITY ID: IDUNIDACA_01+<br>START TIME: 93-240/16:51:04 |

Activity ID: Orbit ID Target U Inst N OAPEL IDACA_ SeqNo 01 Multi +

| | | | |
|---|---|---|---|
| Title | Ida Closest Approach Observation | Instrument | NIMS |
| Requestor | M. Segura | Team NIMS Working Group | SWG |

| | | | | | |
|---|---|---|---|---|---|
| Time System | CDS | Load ID | EJ3 | Calendar Date | 08/28/93 Week 34 |
| Start | IEE-CDS 00000001:00:0 | 93-240/16:51:04 | | IEE-000/00:01:00 | |
| End | IEE+CDS 00000001:00:0 | 93-240/16:53:04 | | IEE+000/00:01:00 | |
| Duration | 00000002:00:0 | 000/00:02:00 | | 000/00:02:00 | |

| | | | | | |
|---|---|---|---|---|---|
| Top Label | IDUNIDACA_01+ | | | | |
| Bottom Label | | | | | |
| Plot Key | NIMS | Riding Plot Key | | Conflict | Yes |
| CDS Bytes | 0 | Report Options | | Real Time Activity | No |

## Observation Objective

To obtain a NIMS spectral image of a portion of Ida with the highest possible spatial resolution in 17 wavelengths. This is a compatible NIMS/SSI observation.

## Design Detail

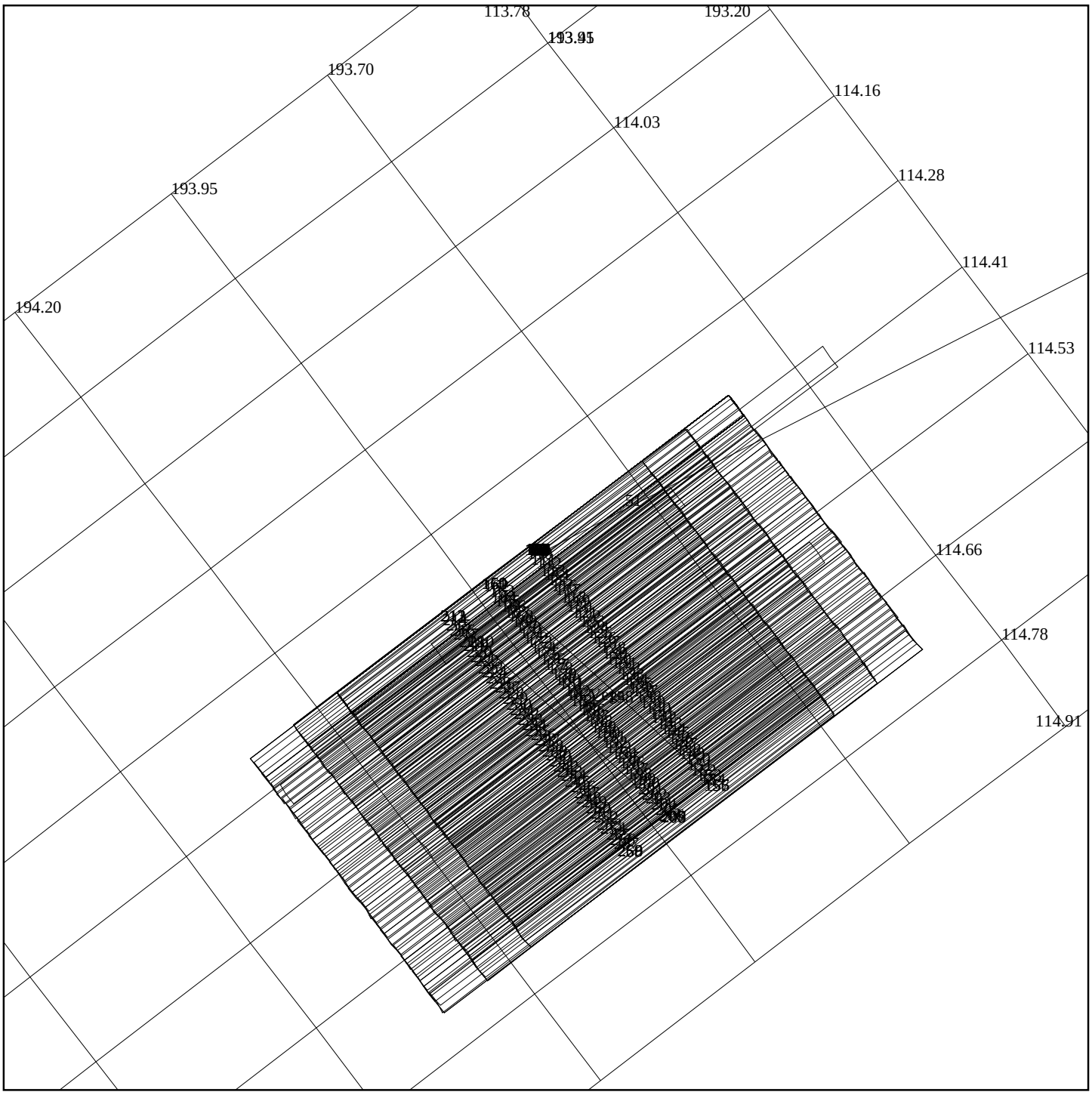
Alias IDUSENCNTR01

This design is a compatible NIMS/SSI observation taken at -1 to +1 minutes, with the highest spatial resolution possible. NIMS will be in Fixed Map mode, taking data in 17 wavelengths with a sampling rate of 0.800 mrad/sec.

Fixed Map (XM), Gain 3, Grating Start 6, Chopper Ref, IM4

| | | | | |
|---|---|---|---|---|
| Last Changed | 05/22/95 | Changed By | FEL | 08/12/93<br>11:53:02 |

Galileo Activity Plan Form rev 5/95




## IDHNBORCAL01

**POINTER E1.0 lisac: 7/20/1993 9: 8:32**
**FILE:P.IDHUBORSIT01**
**CENTRAL BODY:IDA**
**MINI:m.IDHUBORSIT01**
**S/C EPH:/DATA/EPH/IDA22-050593.t**
**PERIAPSIS:93-240/16:53:00.000**
**START:IEE 93-240/16:52:04.066 +CDS 30:00:0**
**OBSERVATION:IDHUBORSIT01**

**Mode: XM, Gr_Strt 6, Gain 3, Chop Ref, Gr_Off 4**
**17 Wavelengths**
**Every 2nd NIMS Footprint, 260 Total plotted**
**Mosaic Start: Cone: 114.38, Clock: 193.85**
**Slew Rate: .08 mrad/sec, Z Scan**
**Plot Ref Time: Start of Mosaic**
**Lat, Lon, Range, Res, Phase: (x, x, x, x, x)**
**DESCRIP:BORESIGHT CAL - VEGA**

Boresight Calibration

ACTIVITY ID: IDHNBORCAL01+
START TIME: 93-240/17:22:24

Activity ID: Orbit ID Target H Inst N OAPEL BORCAL SeqNo 01 Multi +

Title Boresight Calibration Instrument NIMS

Requestor M. Segura Team NIMS Working Group SWG

Time System CDS Load ID EJ3 Calendar Date 08/28/93 Week 34

| | | | |
|---|---|---|---|
| Start | IEE+CDS 00000030:00:0 | 93-240/17:22:24 | IEE+000/00:30:20 |
| End | IEE+CDS 00000039:00:0 | 93-240/17:31:30 | IEE+000/00:39:26 |
| Duration | 00000009:00:0 | 000/00:09:06 | 000/00:09:06 |

Top Label IDHNBORCAL01+
Bottom Label

Plot Key NIMS Riding Plot Key Conflict Yes
CDS Bytes 0 Report Options Real Time Activity No

## Observation Objective

Boresight Calibration with PPR, NIMS and UVS instruments to determine field of view offsets of scan platform instruments, minus SSI.

## Design Detail

Alias IDHUBORSIT01

Target Star: Vega (alpha Lyra)

Fixed Map (XM), Gain 3, Grating Start 6, Chopper Ref, MPW

Last Changed 05/22/95 Changed By FEL 08/12/93 11:53:02

Galileo Activity Plan Form rev 5/95

NIMS PCT Calibration

ACTIVITY ID: IDNNPCTCAL01+
START TIME: 93-241/04:00:24

Activity ID: Orbit ID Target N Inst N OAPEL PCTCAL SeqNo 01 Multi +

Title NIMS PCT Calibration Instrument NIMS

Requestor M. Segura Team NIMS Working Group SWG

Time System CDS Load ID EJ3 Calendar Date 08/28/93 Week 34

| | | | |
|---|---|---|---|
| Start | IEE+CDS 00000661:00:0 | 93-241/04:00:24 | IEE+000/11:08:20 |
| End | IEE+CDS 00000710:00:0 | 93-241/04:49:57 | IEE+000/11:57:53 |
| Duration | 00000049:00:0 | 000/00:49:33 | 000/00:49:33 |

Top Label IDNNPCTCAL01+
Bottom Label

| | | | |
|---|---|---|---|
| Plot Key | NIMS | Riding Plot Key | Conflict Yes |
| CDS Bytes | 229 | Report Options | Real Time Activity No |

Observation Objective

Perform a Photometric Calibration of the NIMS instrument after the IDA encounter.

Design Detail

Alias

This calibration will be done in Long Map mode.
The off-sun angle is approximately 18 degrees.
The PCT will be partially in shade due to the high off-sun angle of the spin-axis of the spacecraft.

Long Map (LM), Gain 1, Grating Start 0, Chopper Ref, MPW

Last Changed 05/22/95 Changed By FEL 08/12/93 11:53:02

Galileo Activity Plan Form rev 5/95

NIMS RCT Calibration

ACTIVITY ID: IDNNRCTCAL01+
START TIME: 93-242/19:12:15

Activity ID: Orbit ID Target N Inst N OAPEL RCTCAL SeqNo 01 Multi +

Title NIMS RCT Calibration Instrument NIMS

Requestor M. Segura Team NIMS Working Group SWG

Time System CDS Load ID EJ3 Calendar Date 08/28/93 Week 34

| | | | |
|---|---|---|---|
| Start | IEE+CDS 00002987:00:0 | 93-242/19:12:15 | IEE+002/02:20:11 |
| End | IEE+CDS 00002997:00:0 | 93-242/19:22:22 | IEE+002/02:30:18 |
| Duration | 00000010:00:0 | 000/00:10:07 | 000/00:10:07 |

Top Label IDNNRCTCAL01+
Bottom Label

| | | | |
|---|---|---|---|
| Plot Key | NIMS | Riding Plot Key | Conflict Yes |
| CDS Bytes | 229 | Report Options | Real Time Activity No |

Observation Objective

Perform a Radiometric Calibration of the NIMS instrument after the IDA encounter.

Design Detail

Alias

This calibration will be done in Full Map mode.

Full Map (FM), Gain 1, Grating Start 0, Chopper Ref, MPW

Last Changed 05/22/95 Changed By FEL 08/12/93 11:53:02

Galileo Activity Plan Form rev 5/95