Activity ID: Orbit G7 **OAPEL** EUEECLPS **SeqNo** 01-

Title UVS EUROPA ECLIPSE (PRE-INGRESS) **Instrument** UVS

Requestor UVS-SWG/L AIELLO X37737 **Team** UVS **Working Group** SWG

Time System CDS **Load ID** **Calendar Date** 04/02/97 **Week** 14

Start	JEE-CDS 00003022:00:0	97-092/08:08:13.734	JEE-002/02:55:34.666
End	JEE-CDS 00002988:00:0	97-092/08:42:36.400	JEE-002/02:21:12.000
Duration	00000034:00:0	000/00:34:22.666	000/00:34:22.666

Top Label G7EUEECLPS01-

Bottom Label

Plot Key	UVS	**Type**	SCI		
CDS Bytes	130	**Report Options**	BOTH	**Scan Platform**	No
CDS Source	OAP	**Spin State**	DUAL	**DMS**	No

Observation Objective

Real-time Europa Eclipse observation. Characterize the change in the lower atmospheric UV airglow emissions as Europa enters and exits eclipse. Determine if the source of the change is due to: 1) a change in the lower atmospheric composition as it cools (ie. SO2 condensation); or 2) a potential change inthe excitation mechanism if solar photoexcitation is dominant over particle impact.

G7EUEECLPS01- = Europa eclipse pre-ingress measurement. 1 scan-platform drift across Europa in real-time (23 RIM 3-sigma drift rate) just before the satellite enters Jupiter's eclipse.

UVS Configuration = F/G Full Scans

Design Detail

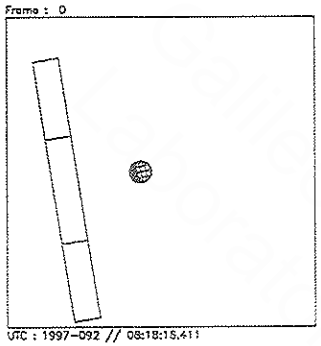
```
CDS RIM Command Parameters                          PSID
--- --- ------- ----------                          ----
28  003+UVFLUSH DISCRD,UVS                          (CA)
36  004 TARGET  (4 RIM Posn_slew)                   (CA)
38  003 CMDRS                                       (CA)
    004     1   34UVS,07,S,N,N,N,S,0,  ON,OFF,  ON,  ON,OFF,NOOVR,1,00,9C,01,2C
    027    24   34UVS,C1,F,N,N,N,S,0,OFF,OFF,  ON,OFF,OFF,NOOVR,1,2C,05,00,00
28  032+UVFLUSH PACKET,UVS                          (CB)
```

Same

As sequenced:
34UVS,07,S,N,N,N,S,0,ON,ON,OFF,ON,OFF,OVR,2,00,9C,01,2C

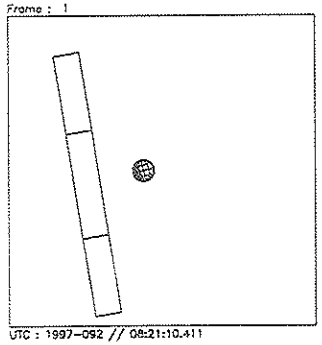
KES June 18,07

Frame : 0



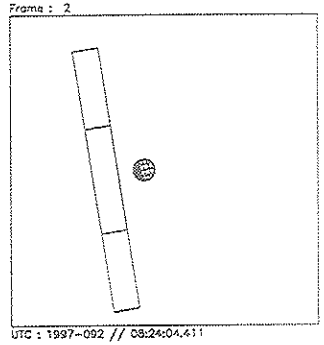
UTC : 1997-092 // 08:18:15.411
SCLK: 1/03895063:00:0:0

Frame : 1



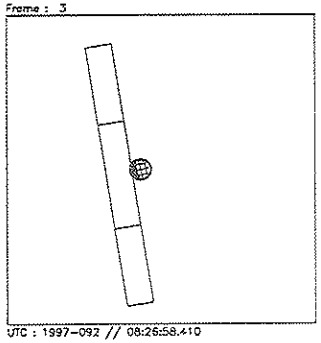
UTC : 1997-092 // 08:21:10.411
SCLK: 1/03895065:79:0:0

Frame : 2



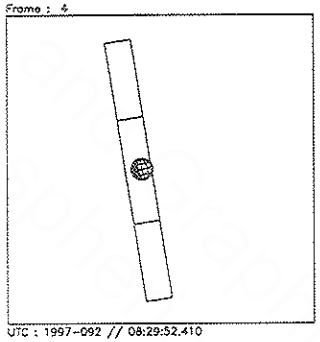
UTC : 1997-092 // 08:24:04.411
SCLK: 1/03895068:67:0:0

Frame : 3



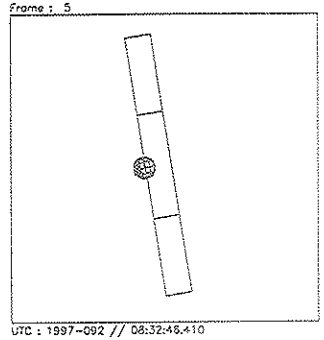
UTC : 1997-092 // 08:26:58.410
SCLK: 1/03895071:55:0:0

Frame : 4



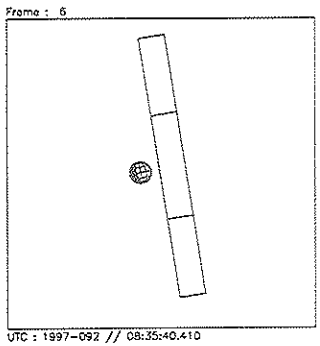
UTC : 1997-092 // 08:29:52.410
SCLK: 1/03895074:43:0:0

Frame : 5



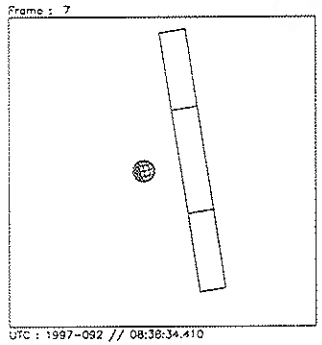
UTC : 1997-092 // 08:32:46.410
SCLK: 1/03895077:31:0:0

Frame : 6



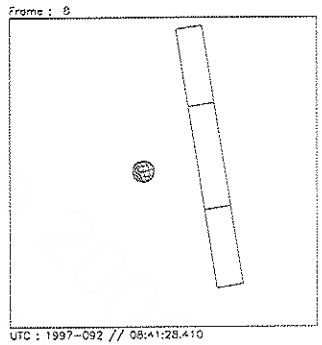
UTC : 1997-092 // 08:35:40.410
SCLK: 1/03895080:19:0:0

Frame : 7



UTC : 1997-092 // 08:38:34.410
SCLK: 1/03895083:07:0:0

Frame : 8



UTC : 1997-092 // 08:41:28.410
SCLK: 1/03895085:86:0:0

Start UTC_TIME : 1997-092 // 08:18:16.411
No End Time :
Start SCLK : 1/03895063:00:0:0

Target Body : EUROPA
Target Cone/Clock : 101.84/ 95.18 Deg
S/C to Body Center : 2198078. Km (1404.5224 Re)
Z-axis Pointing (Ra / Dec) : 136.90 / 15.10 Deg

Activity ID: Orbit G7 **OAPEL** EUEECLPS **SeqNo** 02-

Title UVS EUROPA ECLIPSE (AFTER-INGRESS) **Instrument** UVS

Requestor UVS-SWG/K.NAVIAUX 37740 **Team** UVS **Working Group** SWG

Time System CDS **Load ID** **Calendar Date** 04/02/97 **Week** 14

Start	JEE-CDS 00002985:00:0	97-092/08:45:38.400	JEE-002/02:18:10.000
End	JEE-CDS 00002961:00:0	97-092/09:09:54.400	JEE-002/01:53:54.000
Duration	00000024:00:0	000/00:24:16.000	000/00:24:16.000

Top Label G7EUEECLPS02-

Bottom Label c(real-time)

Plot Key	UVS	**Type**	SCI		
CDS Bytes	130	**Report Options**	BOTH	**Scan Platform**	Yes
CDS Source	OAP	**Spin State**	DUAL	**DMS**	No

Observation Objective

Real-time Europa Eclipse observation. Characterize the change in the lower atmospheric UV airglow emissions as Europa enters and exits eclipse. Determine if the source of the change is due to: 1) a change in the lower atmospheric composition as it cools (ie. SO2 condensation); or 2) a potential change inthe excitation mechanism if solar photoexcitation is dominant over particle impact.

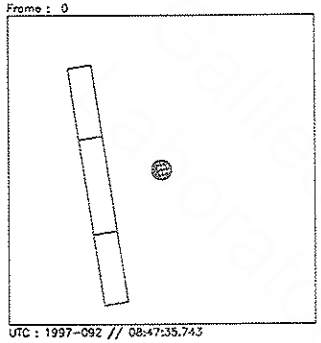
G7EUEECLPS02- = Europa eclipse post-ingress measurement. 1 scan-platform drift across Europa in real-time (23 RIM 3-sigma drift rate) just after the satellite enters Jupiter's eclipse.

UVS Configuration = F/G Full Scans

Design Detail

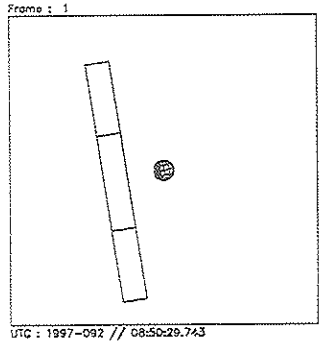
```
CDS RIM Command Parameters                          PSID
--- --- -------- ----------                         ----
28  002+UVFLUSH DISCRD,UVS                          (CC)
36  004 TARGET  (4 RIM Posn_slew)                   (CB)
38  003 CMDRS                                       (CB)
    004     1   34UVS,07,S,N,N,N,S,0,  ON,OFF,  ON,  ON,OFF,NOOVR,1,00,9C,01,2C
    027    24   34UVS,C1,F,N,N,N,S,0,OFF,OFF,  ON,OFF,OFF,NOOVR,1,2C,05,00,00
28  032+UVFLUSH PACKET,UVS                          (CD)
```

Frame : 0



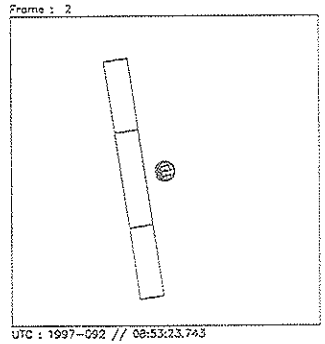
UTC : 1997-092 // 08:47:35.743
SCLK: 1/03895092:00:0:0

Frame : 1



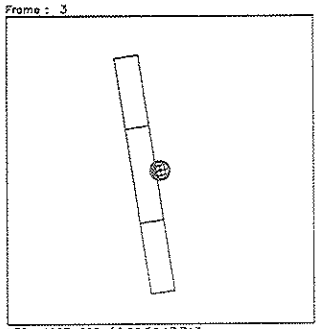
UTC : 1997-092 // 08:50:29.743
SCLK: 1/03895094:79:0:0

Frame : 2



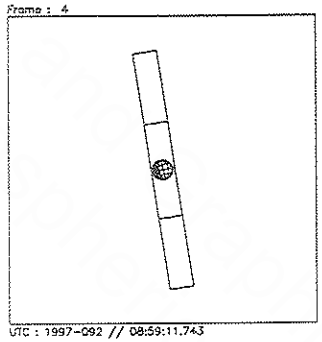
UTC : 1997-092 // 08:53:23.743
SCLK: 1/03895097:67:0:0

Frame : 3



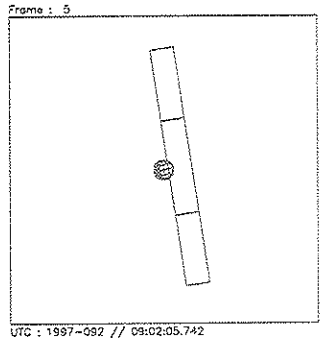
UTC : 1997-092 // 08:56:17.743
SCLK: 1/03895100:55:0:0

Frame : 4



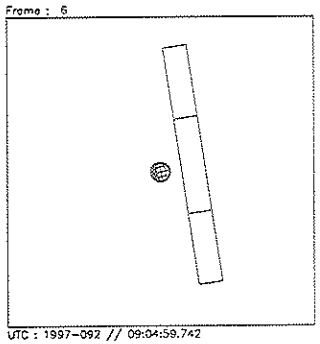
UTC : 1997-092 // 08:59:11.743
SCLK: 1/03895103:43:0:0

Frame : 5



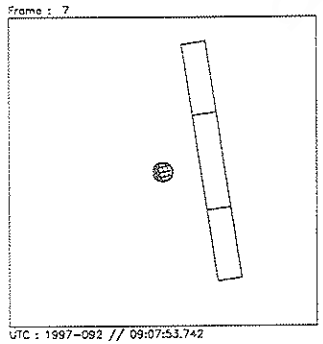
UTC : 1997-092 // 09:02:05.742
SCLK: 1/03895106:31:0:0

Frame : 6



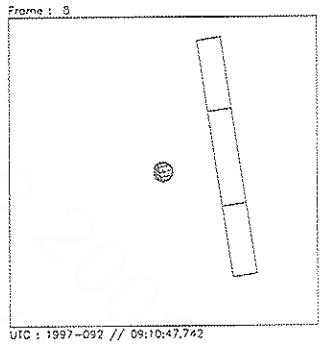
UTC : 1997-092 // 09:04:59.742
SCLK: 1/03895109:19:0:0

Frame : 7



UTC : 1997-092 // 09:07:53.742
SCLK: 1/03895112:07:0:0

Frame : 8



UTC : 1997-092 // 09:10:47.742
SCLK: 1/03895114:85:0:0

Start UTC_TIME : 1997-092 // 08:47:35.743
No End Time :
Start SCLK : 1/03895092:00:0:0

Target Body : EUROPA
Target Cone/Clock : 102.53/ 95.16 Deg
S/C to Body Center : 2167807. Km (1385.1803 Re)
Z-axis Pointing (Ra / Dec) : 136.90 / 15.10 Deg

Activity ID: Orbit G7 **OAPEL** EUEURDRK **SeqNo** 01-

Title UVS EUROPA ECLIPSE (N-Channel Dark Obs.) **Instrument** UVS

Requestor UVS-SWG/K.NAVIAUX 37740 **Team** UVS **Working Group** SWG

Time System CDS **Load ID** **Calendar Date** 04/02/97 **Week** 14

Start	JEE-CDS 00002912:00:0	97-092/09:59:27.067	JEE-002/01:04:21.333
End	JEE-CDS 00002888:00:0	97-092/10:23:43.067	JEE-002/00:40:05.333
Duration	00000024:00:0	000/00:24:16.000	000/00:24:16.000

Top Label G7EUEURDRK01-

Bottom Label (real-time)

Plot Key	UVS	**Type**	SCI		
CDS Bytes	130	**Report Options**	BOTH	**Scan Platform**	Yes
CDS Source	OAP	**Spin State**	DUAL	**DMS**	No

Observation Objective

UVS real-time Europa Eclipse observation. Obtain UVS N-Channel data (2800-4300 Å) while Europa is being eclipsed by Jupiter. Data will be used to characterize the lower atmospheric UV airglow emissions of Europa while in eclipse.

G7EUEURDRK01- = Io eclipse measurment. 1 scan-platform drift across Europa in real-time (23 RIM 3-sigma drift rate) using the UVS 10 bps RTS rate. The drift will include 23 RIMs HV On / 7 RIMs HV Off for PWS time sharing.

UVS Configuration = N-Channel Full Scans

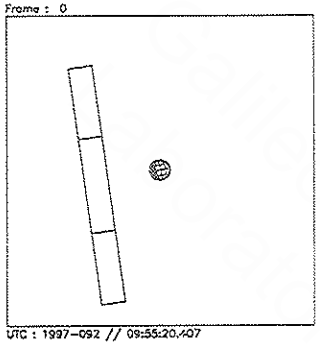
Design Detail

```
CDS RIM Command Parameters                Psid
--- --- -------- ----------               ----
28  002+UVFLUSH DISCRD,UVS                (CE)
36  004 TARGET  (4 RIM Posn_Slew)         (CC)
38  003 CMDRS                             (CC)
    004     1   34UVS,07,S,N,N,N,S,0,  ON,OFF,  ON,  ON,OFF,NOOVR,1,00,9C,01,2C
    027    24   34UVS,C1,F,N,N,N,S,0,OFF,OFF,  ON,OFF,OFF,NOOVR,1,2C,05,00,00
28  032+UVFLUSH PACKET,UVS                (CF)
```

OK

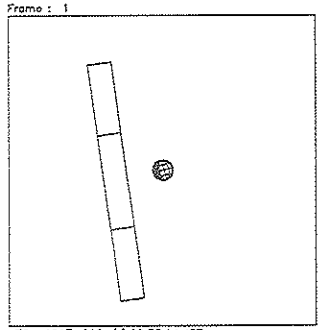
As sequenced:
07, S, N, N, N, S, 0, OFF, ON, OFF, ON, OFF, NOOVR, 1, 2C, 9D, 0, 0

Frame : 0



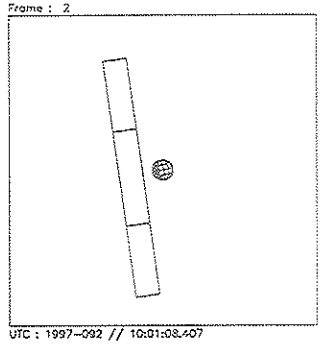
UTC : 1997-092 // 09:55:20.407
SCLK: 1/03895159:00:0:0

Frame : 1



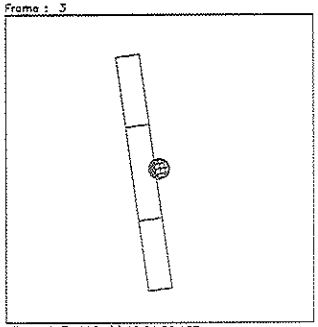
UTC : 1997-092 // 09:58:14.407
SCLK: 1/03895161:79:0:0

Frame : 2



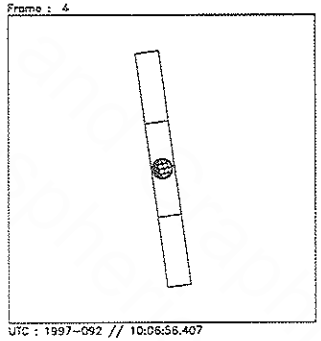
UTC : 1997-092 // 10:01:08.407
SCLK: 1/03895164:67:0:0

Frame : 3



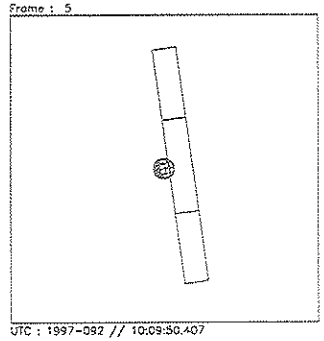
UTC : 1997-092 // 10:04:02.407
SCLK: 1/03895167:55:0:0

Frame : 4



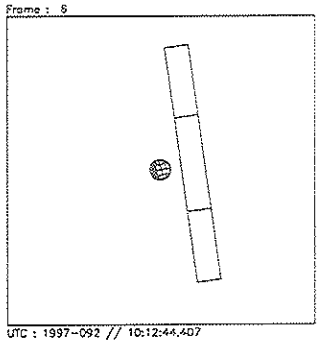
UTC : 1997-092 // 10:06:56.407
SCLK: 1/03895170:43:0:0

Frame : 5



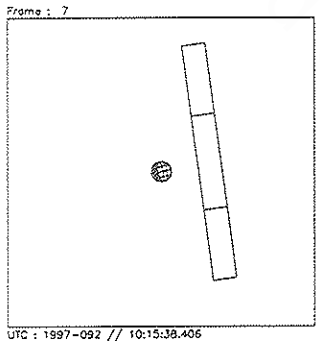
UTC : 1997-092 // 10:09:50.407
SCLK: 1/03895173:31:0:0

Frame : 6



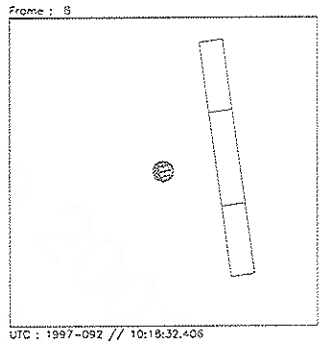
UTC : 1997-092 // 10:12:44.407
SCLK: 1/03895176:19:0:0

Frame : 7



UTC : 1997-092 // 10:15:38.406
SCLK: 1/03895179:07:0:0

Frame : 8



UTC : 1997-092 // 10:18:32.406
SCLK: 1/03895181:88:0:0

Start UTC_TIME : 1997-092 // 09:55:20.407
No End Time :
Start SCLK : 1/03895159:00:0:0

Target Body : EUROPA
Target Cone/Clock : 104.13/ 95.11 Deg
S/C to Body Center : 2097127. Km (1340.0174 Re)
Z-axis Pointing (Ra / Dec) : 136.90 / 15.10 Deg

Activity ID: Orbit G7 **OAPEL** EUEECLPS **SeqNo** 03-

Title UVS EUROPA ECLIPSE (BEFORE-EGRESS) **Instrument** UVS

Requestor UVS-SWG/K.NAVIAUX 37740 **Team** UVS **Working Group** SWG

Time System CDS **Load ID** **Calendar Date** 04/02/97 **Week** 14

Start	JEE-CDS 00002838:00:0	97-092/11:14:16.400	JEE-001/23:49:32.000
End	JEE-CDS 00002818:00:0	97-092/11:34:29.734	JEE-001/23:29:18.666
Duration	00000020:00:0	000/00:20:13.334	000/00:20:13.334

Top Label G7EUEECLPS03-

Bottom Label (real-time)

Plot Key	UVS	**Type**	SCI		
CDS Bytes	130	**Report Options**	BOTH	**Scan Platform**	Yes
CDS Source	OAP	**Spin State**	DUAL	**DMS**	No

Observation Objective

Real-time Europa Eclipse observation. Characterize the change in the lower atmospheric UV airglow emissions as Europa enters and exits eclipse. Determine if the source of the change is due to: 1) a change in the lower atmospheric composition as it cools (ie. SO2 condensation); or 2) a potential change inthe excitation mechanism if solar photoexcitation is dominant over particle impact.

G7EUEECLPS03- = Europa eclipse before egress measurement. 1 scan-platform drift across Europa in real-time (23 RIM 3-sigma drift rate) just prior to the satellite exiting Jupiter's eclipse using the UVS 10bps RTS rate. Only 1 drift will be done prior to eclipse egress due to PWS time sharing. The drift will include 23 RIMs HV On / 7 RIMs HV Off for PWS time sharing.

UVS Configuration = F/G Full Scans

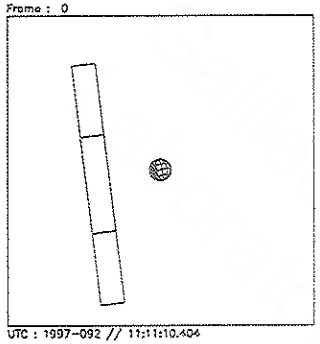
Design Detail

```
CDS RIM Command Parameters                          PSID
--- --- ------- ----------                          ----
28  002+UVFLUSH DISCRD,UVS                          (CG)
36  004 TARGET  (4 RIM Posn_slew)                   (CD)
38  009 CMDRS                                       (CD)
    010     1   34UVS,07,S,N,N,N,S,0, ON,OFF, ON, ON,OFF,NOOVR,1,00,9C,01,2C
    033    24   34UVS,C1,F,N,N,N,S,0,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00
28  032+UVFLUSH PACKET,UVS                          (CH)
```

07,S,N,N,N,S,0,OFF,ON,OFF,ON,OFF,
NOOVR,1,2C,9D,0,0

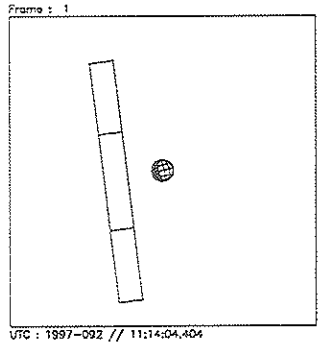
yes

Frame : 0



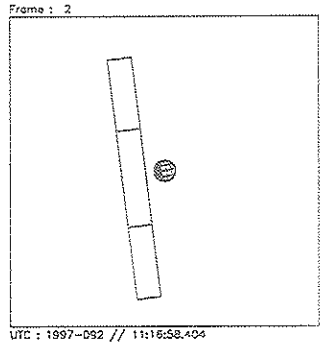
UTC : 1997-092 // 11:11:10.404
SCLK: 1/03895234:00:0:0

Frame : 1



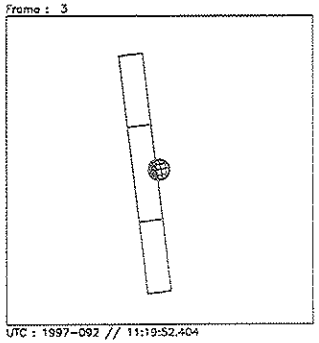
UTC : 1997-092 // 11:14:04.404
SCLK: 1/03895238:79:0:0

Frame : 2



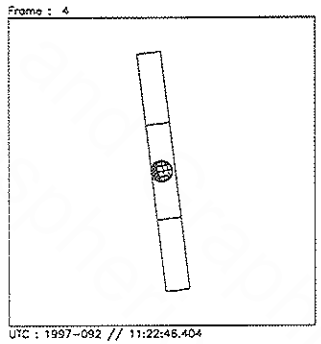
UTC : 1997-092 // 11:16:58.404
SCLK: 1/03895239:67:0:0

Frame : 3



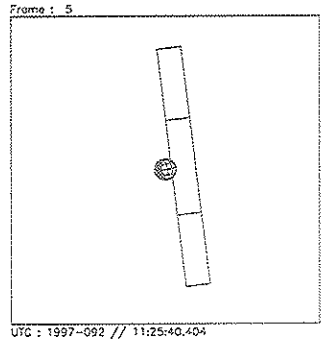
UTC : 1997-092 // 11:19:52.404
SCLK: 1/03895242:55:0:0

Frame : 4



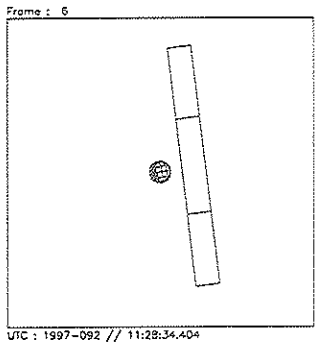
UTC : 1997-092 // 11:22:46.404
SCLK: 1/03895245:43:0:0

Frame : 5



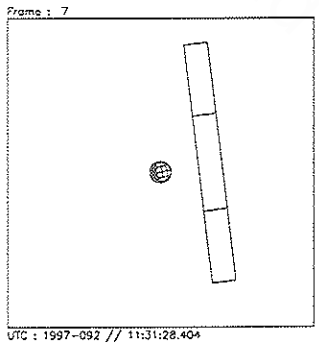
UTC : 1997-092 // 11:25:40.404
SCLK: 1/03895248:31:0:0

Frame : 6



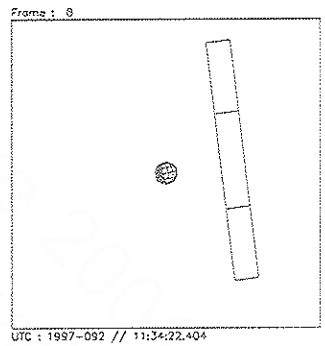
UTC : 1997-092 // 11:28:34.404
SCLK: 1/03895251:19:0:0

Frame : 7



UTC : 1997-092 // 11:31:28.404
SCLK: 1/03895254:07:0:0

Frame : 8



UTC : 1997-092 // 11:34:22.404
SCLK: 1/03895256:86:0:0

Start UTC_TIME : 1997-092 // 11:11:10.404
No End Time :
Start SCLK : 1/03895234:00:0:0

Target Body : EUROPA
Target Cone/Clock : 105.92/ 95.05 Deg
S/C to Body Center : 2016941. Km (1288.7804 Re)
Z-axis Pointing (Ra / Dec) : 136.90 / 15.10 Deg

Activity ID: Orbit G7 **OAPEL** EUEECLPS **SeqNo** 04-

Title UVS EUROPA ECLIPSE (AFTER-EGRESS) **Instrument** UVS

Requestor UVS-SWG/K.NAVIAUX 37740 **Team** UVS **Working Group** SWG

Time System CDS **Load ID** **Calendar Date** 04/02/97 **Week** 14

Start	JEE-CDS 00002816:00:0	97-092/11:36:31.067	JEE-001/23:27:17.333
End	JEE-CDS 00002792:00:0	97-092/12:00:47.067	JEE-001/23:03:01.333
Duration	00000024:00:0	000/00:24:16.000	000/00:24:16.000

Top Label G7EUEECLPS04-

Bottom Label (real-time)

Plot Key	UVS	**Type**	SCI		
CDS Bytes	130	**Report Options**	BOTH	**Scan Platform**	Yes
CDS Source	OAP	**Spin State**	DUAL	**DMS**	No

Observation Objective

Real-time Europa Eclipse observation. Characterize the change in the lower atmospheric UV airglow emissions as Europa enters and exits eclipse. Determine if the source of the change is due to: 1) a change in the lower atmospheric composition as it cools (ie. SO2 condensation); or 2) a potential change inthe excitation mechanism if solar photoexcitation is dominant over particle impact.

G7EUEECLPS04- = Europa eclipse after egress measurement. 1 scan-platform drift across Europa in real-time (23 RIM 3-sigma drift rate) just after the satellite exits Jupiter's eclipse using the UVS 10bps RTS rate. Only 1 drift will be done after to eclipse egress due to PWS time sharing. The drift will include 23 RIMs HV On / 7 RIMs HV Off for PWS time sharing.

UVS Configuration = F/G Full Scans

Design Detail

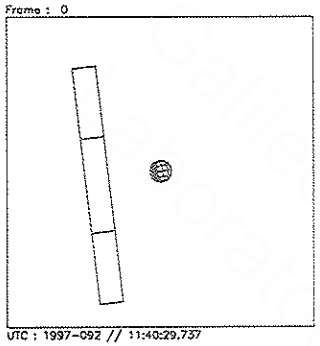
```
CDS RIM Command Parameters                    PSID
--- --- ------- ----------                    ----
28  002+UVFLUSH DISCRD,UVS                    (CI)
36  004 TARGET  (4 RIM Posn_slew)             (CE)
38  003 CMDRS                                 (CE)
    004     1   34UVS,07,S,N,N,N,S,0, ON,OFF, ON, ON,OFF,NOOVR,1,00,9C,01,2C
    027    24   34UVS,C1,F,N,N,N,S,0,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00
28  032+UVFLUSH PACKET,UVS                    (CJ)
```

Same as edge 01

34UVS,07,S,N,N,N,S,0,ON,OFF,OFF,OFF,NOOVR,1,00,9C,01,2C

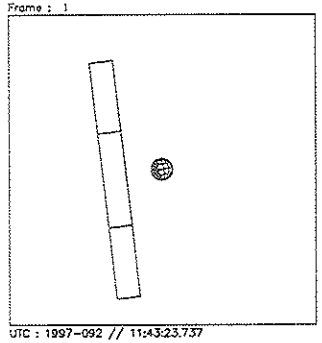
Jeanne 18,97 KLS

Frame : 0



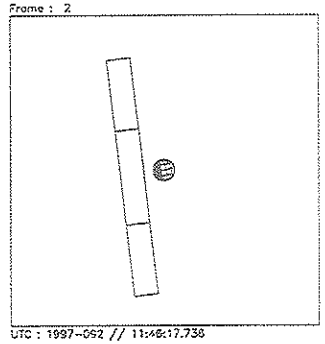
UTC : 1997-092 // 11:40:29.737
SCLK: 1/03895263:00:0:0

Frame : 1



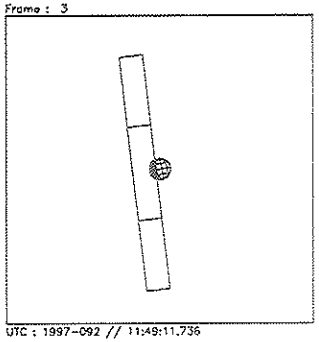
UTC : 1997-092 // 11:43:23.737
SCLK: 1/03895265:79:0:0

Frame : 2



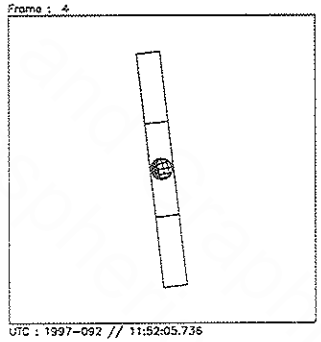
UTC : 1997-092 // 11:46:17.736
SCLK: 1/03895268:67:0:0

Frame : 3



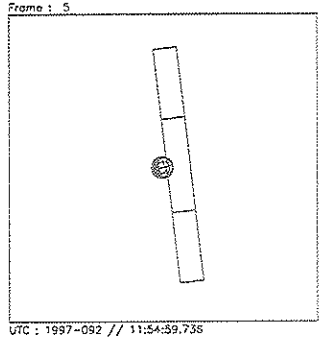
UTC : 1997-092 // 11:49:11.736
SCLK: 1/03895271:55:0:0

Frame : 4



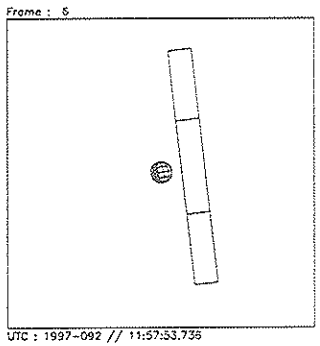
UTC : 1997-092 // 11:52:05.736
SCLK: 1/03895274:43:0:0

Frame : 5



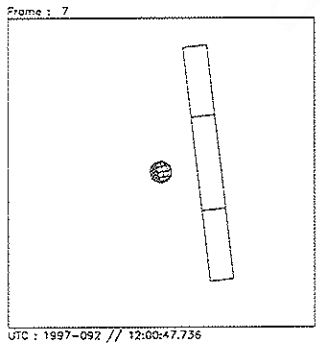
UTC : 1997-092 // 11:54:59.736
SCLK: 1/03895277:31:0:0

Frame : 6



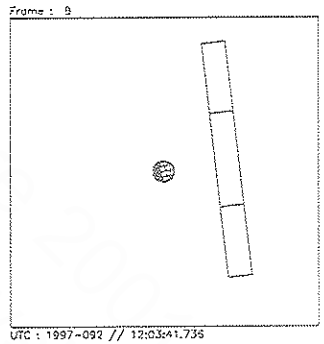
UTC : 1997-092 // 11:57:53.736
SCLK: 1/03895280:19:0:0

Frame : 7



UTC : 1997-092 // 12:00:47.736
SCLK: 1/03895283:07:0:0

Frame : 8



UTC : 1997-092 // 12:03:41.736
SCLK: 1/03895285:86:0:0

Start UTC_TIME : 1997-092 // 11:40:29.737
No End Time :
Start SCLK : 1/03895263:00:0:0

Target Body : EUROPA
Target Cone/Clock : 106.61/ 95.03 Deg
S/C to Body Center : 1985682. Km (1268.8063 Re)
Z-axis Pointing (Ra / Dec) : 136.90 / 15.10 Deg

Activity ID: Orbit G7 **OAPEL** CUGLOBAL **SeqNo** 01+

Title UVS R/A W/ NIMS CALLISTO GLOBAL **Instrument** UVS

Requestor UVS-SWG/K.NAVIAUX 37740 **Team** UVS **Working Group** SWG

Time System CDS **Load ID** G7A **Calendar Date** 04/02/97 **Week** 14

Start	CEE+CDS 00000112:00:0	97-092/18:44:13.132	CEE+000/01:53:14.666
End	CEE+CDS 00000120:00:0	97-092/18:52:18.466	CEE+000/02:01:20.000
Duration	00000008:00:0	000/00:08:05.334	000/00:08:05.334

Top Label G7CUGLOBAL01+

Bottom Label (recorded)

Plot Key UVS **Type** SCI

CDS Bytes 38 **Report Options** BOTH **Scan Platform** No

CDS Source OAP **Spin State** ALL **DMS** No

Observation Objective

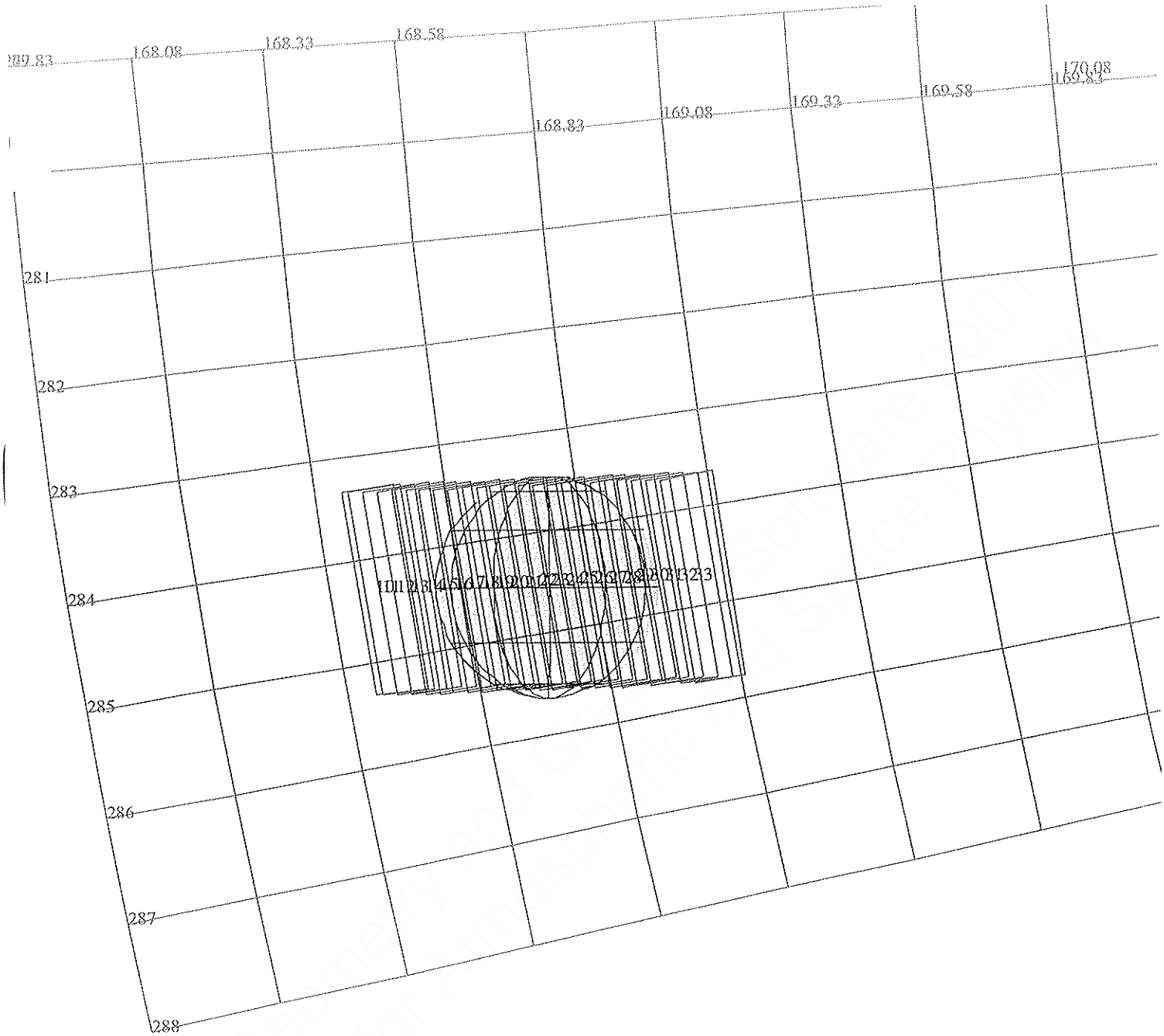
Ride-along with the NIMS Callisto Global observation to observe Callisto in the 1600Å to 3200Å wavelength regions at phase angles not obtainable from the Earth. Data will supplement and complement the NIMS surface property measurements.

1 RECORDED scan-platform slew across Callisto at ~20° phase (~135-340 longitude). Playback will require [(cds 04:00:0)*(1008 bps)] = 0.25 Mbits of UVS data.

UVS Configuration = F/F Full Scans

Design Detail

```
CDS RIM Command Parameters                    PSID
--- --- ------- ----------                    ----
0       TARGET  (NIMS Target)
0       CSMOS   (NIMS Csmos)
0       SCIREC  (NIMS Scirec)
38  003 CMDRS                                 (CF)
    004     1   34UVS,07,S,N,N,N,S,0, ON,OFF, ON, ON,OFF,NOOVR,1,00,9C,00,00
    008     5   34UVS,C1,F,N,N,N,S,0,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00
```



165DD:TT= 0 TMC= 1 C= -5.20 XC= -0.75 BS=20/3875 TC= 3
A= 586 pD= 0 SR=17.450 RA50=328.68 DEC50=-12.91 cone=168.45 clock=284.33
117DD:#SB= 1 OR= 0.020 RR=12.000 BM=F RC= 1 BS=20/3875
1:#s= 1 Cs= 5.70 XCs= 0.50 Cr= 0.00 XCr= 0.00 sD= 860 rD= 2

ESIGN G3.0 jaiel: 1/28/1997 15:12: 7

ILE:P.G7CNGLOBAL01

ARGET BODY : CALLISTO

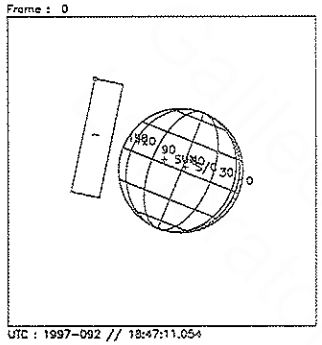
INI:m.G7CNGLOBAL01

PH:/DATA/NAVIO/T-961231-TOUR.NS

ERIAPSIS: THINNING: :UVS 1

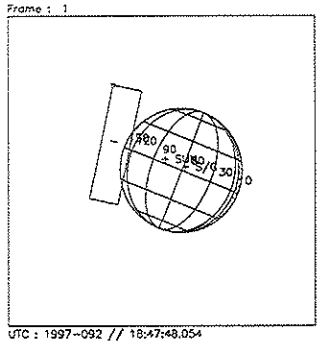
TART:CEE 97-092/16:51:59.733 +CDS 115:00:0 BODY PLOT TIME:TARGET-TIME D= 0 S= 0.200

Frame : 0



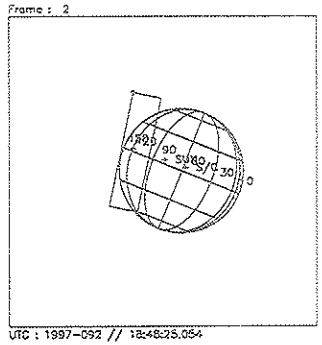
UTC : 1997-092 // 18:47:11.054
SCLK: 1/03895685:00:0:0

Frame : 1



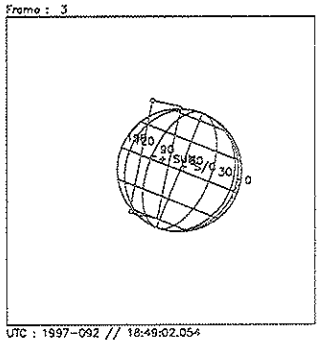
UTC : 1997-092 // 18:47:48.054
SCLK: 1/03895685:55:5:0

Frame : 2



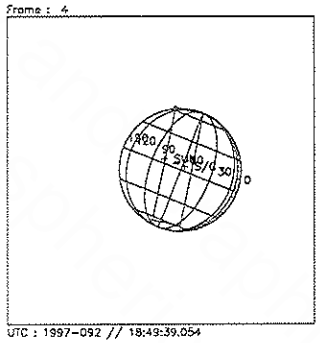
UTC : 1997-092 // 18:48:25.054
SCLK: 1/03895686:20:0:0

Frame : 3



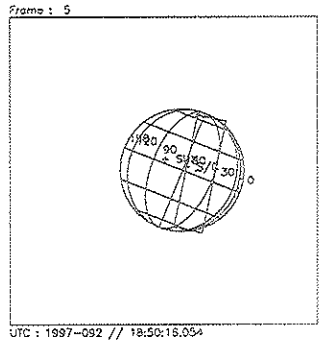
UTC : 1997-092 // 18:49:02.054
SCLK: 1/03895686:75:5:0

Frame : 4



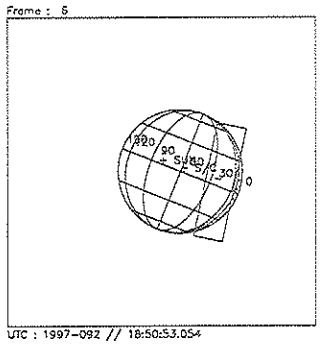
UTC : 1997-092 // 18:49:39.054
SCLK: 1/03895687:40:0:0

Frame : 5



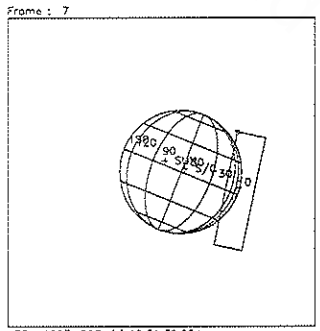
UTC : 1997-092 // 18:50:16.054
SCLK: 1/03895688:04:5:0

Frame : 6



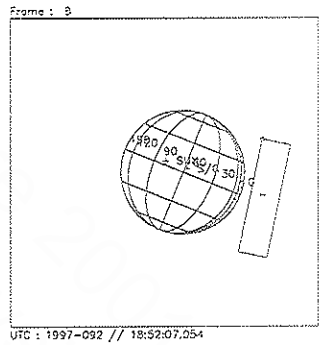
UTC : 1997-092 // 18:50:53.054
SCLK: 1/03895688:60:0:0

Frame : 7



UTC : 1997-092 // 18:51:30.054
SCLK: 1/03895689:24:5:0

Frame : 8



UTC : 1997-092 // 18:52:07.054
SCLK: 1/03895689:80:0:0

Start UTC_TIME : 1997-092 // 18:47:11.054
End UTC_TIME : 1997-092 // 18:52:14.387
Start SCLK : 1/03895685:00:0:0
Delta Time between FOV : 37.00000
FOVs : F Channel(0.1x0.4)

Target Body : CALLISTO
Target Cone/Clock : 168.76/285.19 Deg
S/C to Body Center : 641338.9 Km (266.89092 Rc)
Z-axis Pointing (Ra / Dec) : 136.90 / 15.10 Deg

Activity ID: Orbit G7 **OAPEL** IUIODARK **SeqNo** 01-

Title UVS IO ECLIPSE (N-Channel Dark Obs.) **Instrument** UVS

Requestor UVS-SWG/K.NAVIAUX 37740 **Team** UVS **Working Group** SWG

Time System CDS **Load ID** G7A **Calendar Date** 04/03/97 **Week** 14

Start	JEE-CDS 00002036:00:0	97-093/00:45:11.067	JEE-001/10:18:37.333
End	JEE-CDS 00002001:00:0	97-093/01:20:34.400	JEE-001/09:43:14.000
Duration	00000035:00:0	000/00:35:23.333	000/00:35:23.333

Top Label G7IUIODARK01-

Bottom Label (real-time)

Plot Key UVS **Type** SCI

CDS Bytes 130 **Report Options** BOTH **Scan Platform** Yes

CDS Source OAP **Spin State** DUAL **DMS** No

Observation Objective

UVS real-time Io Eclipse observation. Obtain UVS N-Channel data (2800-4300 Å) while Io is being eclipsed by Jupiter. Data will be used to characterize the lower atmospheric UV airglow emissions of Io while in eclipse.

G7IUIODARK01- = Io eclipse measurment. 1 scan-platform drift across Io in real-time (15 RIM 3-sigma drift rate) using the UVS 10 bps RTS rate. The drift will include 15 RIMs HV On / 15 RIMs HV Off for PWS time sharing.

UVS Configuration = N-Channel Full Scans

Design Detail

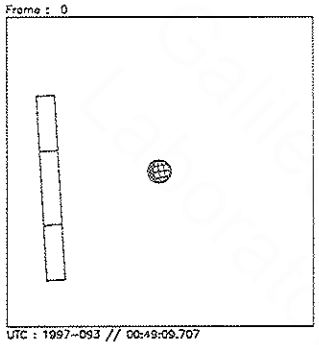
```
CDS RIM Command Parameters                Psid
--- --- -------- ----------               ----
28  002+UVFLUSH DISCRD,UVS                (CM)
36  004 TARGET  (4 RIM Posn_Slew)         (CG)
38  003 CMDRS                             (CH)
    004      1  34UVS,07,S,N,N,N,S,0,  ON,OFF,  ON,  ON,OFF,NOOVR,1,00,9C,01,2C
    019     16  34UVS,C1,F,N,N,N,S,0,OFF,OFF,  ON,OFF,OFF,NOOVR,1,2C,05,00,00
28  032+UVFLUSH PACKET,UVS                (CN)
```

Same as Europa, Europa 02/13

34UVS,7,S,N,N,N,S,0,OFF,ON,OFF,ON,OFF,NOOVR,1,2C,9D,0,0

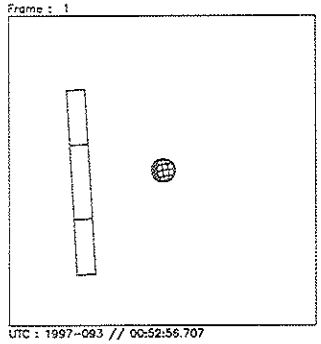
June 18, 97 KCS

Frame : 0



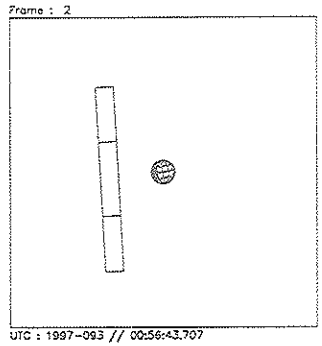
UTC : 1997-093 // 00:49:09.707
SCLK: 1/03896043:00:0:0

Frame : 1



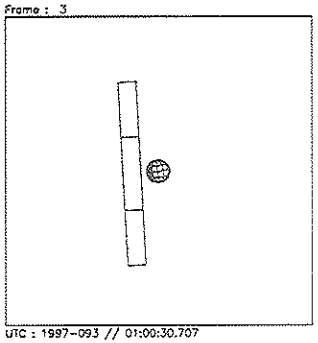
UTC : 1997-093 // 00:52:56.707
SCLK: 1/03896046:87:5:0

Frame : 2



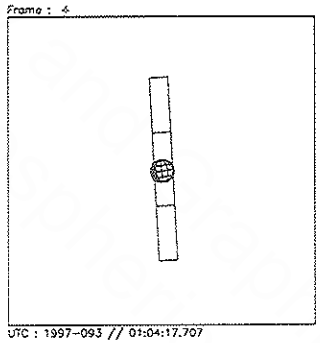
UTC : 1997-093 // 00:56:43.707
SCLK: 1/03896050:44:0:0

Frame : 3



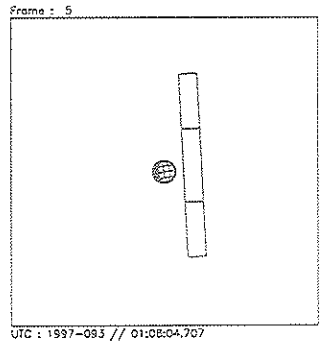
UTC : 1997-093 // 01:00:30.707
SCLK: 1/03896054:20:5:0

Frame : 4



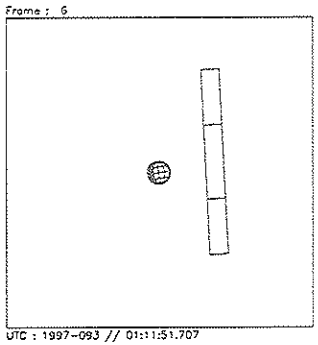
UTC : 1997-093 // 01:04:17.707
SCLK: 1/03896057:88:0:0

Frame : 5



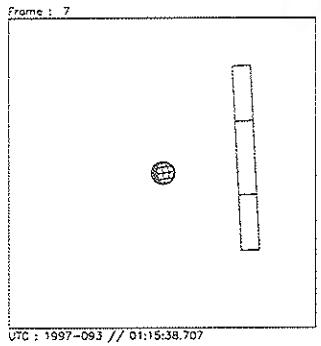
UTC : 1997-093 // 01:08:04.707
SCLK: 1/03896061:64:5:0

Frame : 6



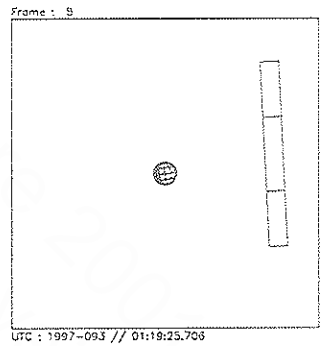
UTC : 1997-093 // 01:11:51.707
SCLK: 1/03896065:41:0:0

Frame : 7



UTC : 1997-093 // 01:15:38.707
SCLK: 1/03896069:17:5:0

Frame : 8



UTC : 1997-093 // 01:19:25.706
SCLK: 1/03896072:85:0:0

Start UTC_TIME : 1997-093 // 00:49:09.707
No End Time :
Start SCLK : 1/03896043:00:0:0

Target Body : IO
Target Cone/Clock : 112.36/ 94.68 Deg
S/C to Body Center : 1690437. Km (926.59678 Ri)
Z-axis Pointing (Ra / Dec) : 136.90 / 15.10 Deg

Activity ID: Orbit G7 **OAPEL** IUCHEMIS **SeqNo** 01+

Title UVS R/A W/ NIMS IO CHEMIS 01 **Instrument** UVS

Requestor UVS-SWG/K.NAVIAUX 37740 **Team** UVS **Working Group** SWG

Time System CDS **Load ID** G7A **Calendar Date** 04/03/97 **Week** 14

Start	IEE-CDS 00000953:00:0	97-093/05:08:00.800	IEE-000/16:03:35.333
End	IEE-CDS 00000946:00:0	97-093/05:15:05.467	IEE-000/15:56:30.666
Duration	00000007:00:0	000/00:07:04.667	000/00:07:04.667

Top Label G7IUCHEMIS01+

Bottom Label (recorded)

Plot Key	UVS	**Type**	SCI		
CDS Bytes	38	**Report Options**	BOTH	**Scan Platform**	No
CDS Source	OAP	**Spin State**	ALL	**DMS**	No

Observation Objective

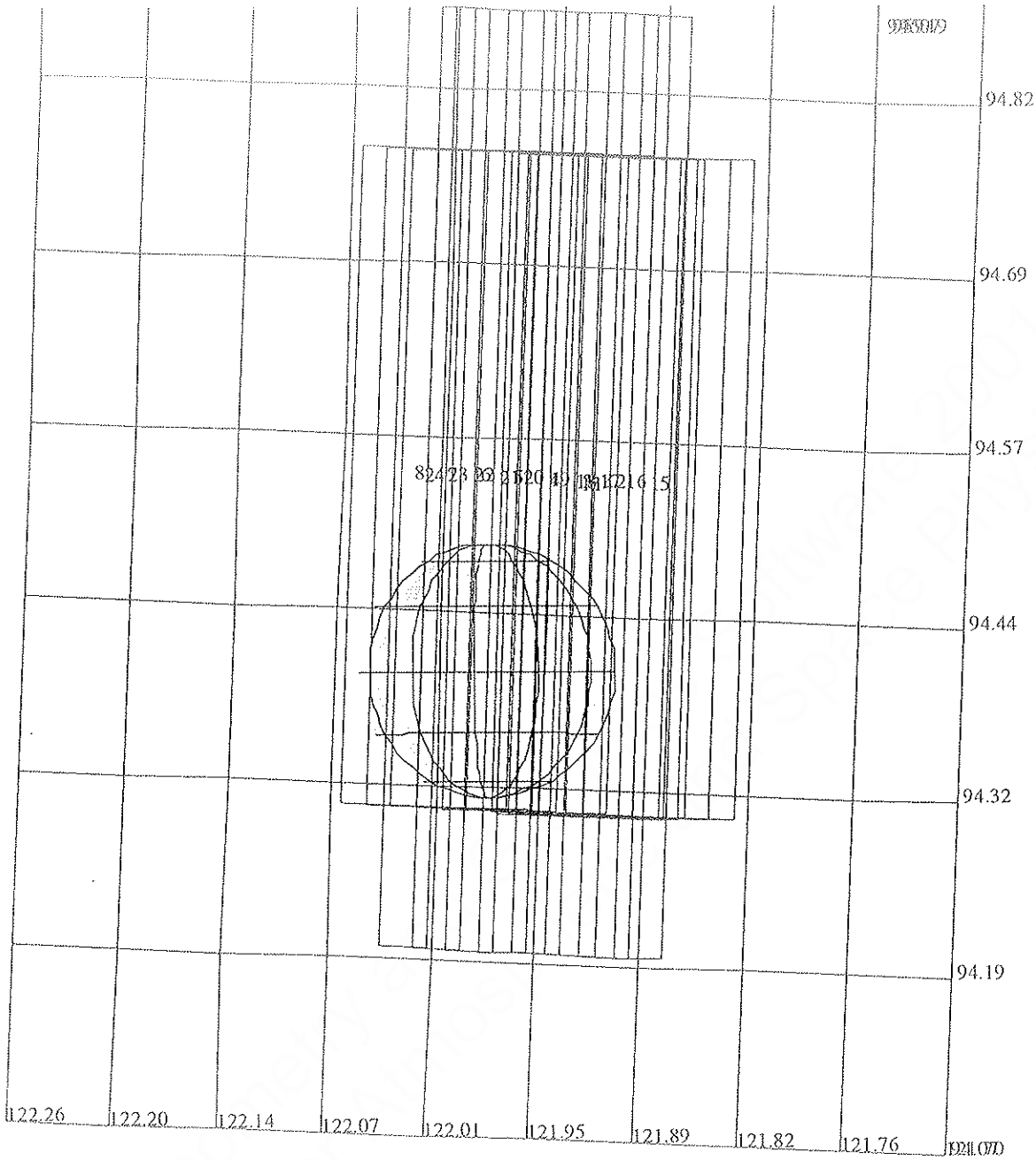
Ride-along with the NIMS Io Chemis 01 observation to observe Io in the 1600Å to 3200Å wavelength regions at phase angles not obtainable from the Earth. Data will supplement and complement the NIMS surface property measurements.

1 RECORDED scan-platform slew across Io in real-time at ~48° phase (~13-120 longitude). Playback will require [(cds 02:00:0)*(1008 bps)] = 0.13 Mbits of UVS data.

UVS Configuration = F/F Full Scans

Design Detail

```
CDS RIM Command Parameters                          PSID
--- --- -------- ----------                         ----
0       TARGET   (NIMS Target)
0       CSMOS    (NIMS Csmos)
0       SCIREC   (NIMS Scirec)
38  003 CMDRS                                       (CK)
    004     1    34UVS,07,S,N,N,N,S,0,  ON,OFF,  ON,  ON,OFF,NOOVR,1,00,9C,01,2C
    006     3    34UVS,C1,F,N,N,N,S,0,OFF,OFF,  ON,OFF,OFF,NOOVR,1,2C,05,00,00
```



165DE:TT= 0 TMC= 1 C= -1.75 XC= 2.00 BS= 0/5987 TC= 3
A= 728 pD= 0 SR=17.450 RA50=255.53 DEC50=-24.55 cone=121.88 clock= 94.54
117DE:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/5987
1:#s= 1 Cs= 3.90 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 394 rD= 2

ESIGN G3.0 jaiel: 1/28/1997 15:17: 3

ILE:P.G7INCHEMIS01

ARGET BODY : IO

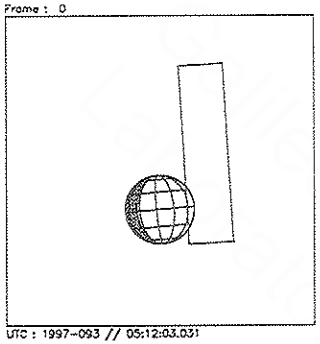
INI:m.G7INCHEMIS01

:PH:/DATA/NAVIO/T-961231-TOUR.NS

ERIAPSIS: THINNING:NIM 2 :UVS 1

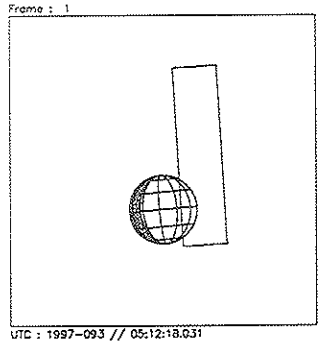
TART:IEE 97-093/21:10:39.733 -CDS 949:00:0 BODY PLOT TIME:TARGET-TIME D= 0 S= 0.200

Frame : 0



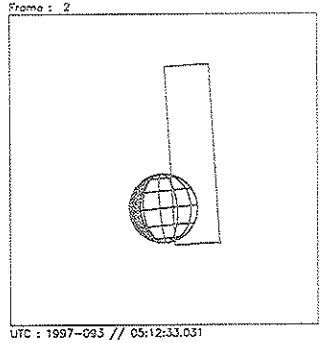
UTC : 1997-093 // 05:12:03.031
SCLK: 1/03896303:00:0:0

Frame : 1



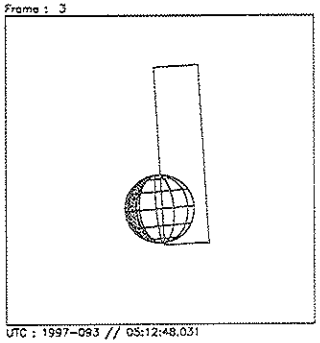
UTC : 1997-093 // 05:12:18.031
SCLK: 1/03896303:22:5:0

Frame : 2



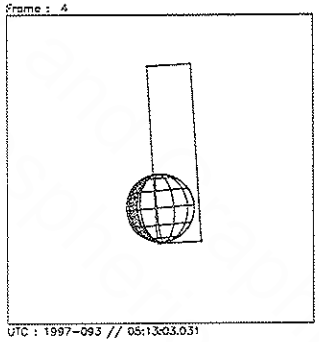
UTC : 1997-093 // 05:12:33.031
SCLK: 1/03896303:45:0:0

Frame : 3



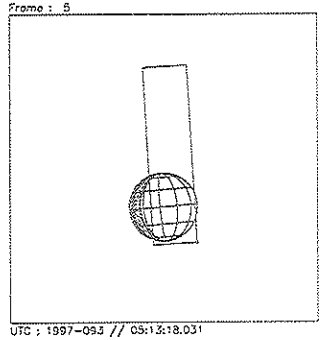
UTC : 1997-093 // 05:12:48.031
SCLK: 1/03896303:67:5:0

Frame : 4



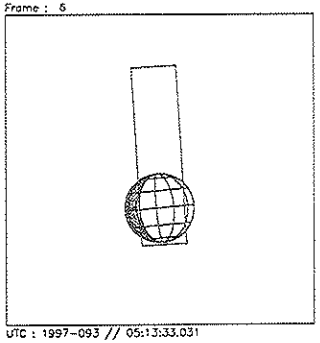
UTC : 1997-093 // 05:13:03.031
SCLK: 1/03896303:90:0:0

Frame : 5



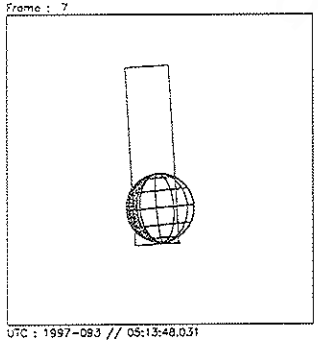
UTC : 1997-093 // 05:13:18.031
SCLK: 1/03896304:21:5:0

Frame : 6



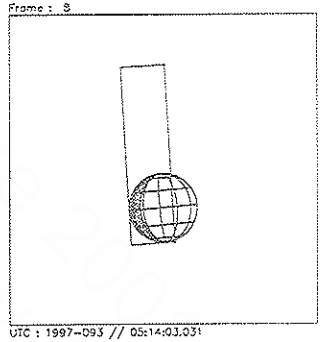
UTC : 1997-093 // 05:13:33.031
SCLK: 1/03896304:44:0:0

Frame : 7



UTC : 1997-093 // 05:13:48.031
SCLK: 1/03896304:66:5:0

Frame : 8



UTC : 1997-093 // 05:14:03.031
SCLK: 1/03896304:89:0:0

Start UTC_TIME : 1997-093 // 05:12:03.031
End UTC_TIME : 1997-093 // 05:14:04.364
Start SCLK : 1/03896303:00:0:0
Delta Time between FOV : 15.00000
FOVs : F Channel(0.1x0.4)

Target Body : 10
Target Cone/Clock : 122.13/ 94.31 Deg
S/C to Body Center : 1349446. Km (739.68588 R:)
Z-axis Pointing (Ra / Dec) : 136.90 / 15.10 Deg

Activity ID: Orbit G7 **OAPEL** IUCHEMIS **SeqNo** 02+

Title UVS R/A W/ NIMS IO CHEMIS 02 **Instrument** UVS

Requestor UVS-SWG/K.NAVIAUX 37740 **Team** UVS **Working Group** SWG

Time System CDS **Load ID** G7A **Calendar Date** 04/03/97 **Week** 14

Start	IEE-CDS 00000710:00:0	97-093/09:13:42.800	IEE-000/11:57:53.333
End	IEE-CDS 00000706:00:0	97-093/09:17:45.467	IEE-000/11:53:50.666
Duration	00000004:00:0	000/00:04:02.667	000/00:04:02.667

Top Label G7IUCHEMIS02+

Bottom Label (recorded)

Plot Key	UVS	**Type**	SCI		
CDS Bytes	38	**Report Options**	BOTH	**Scan Platform**	No
CDS Source	OAP	**Spin State**	ALL	**DMS**	No

Observation Objective

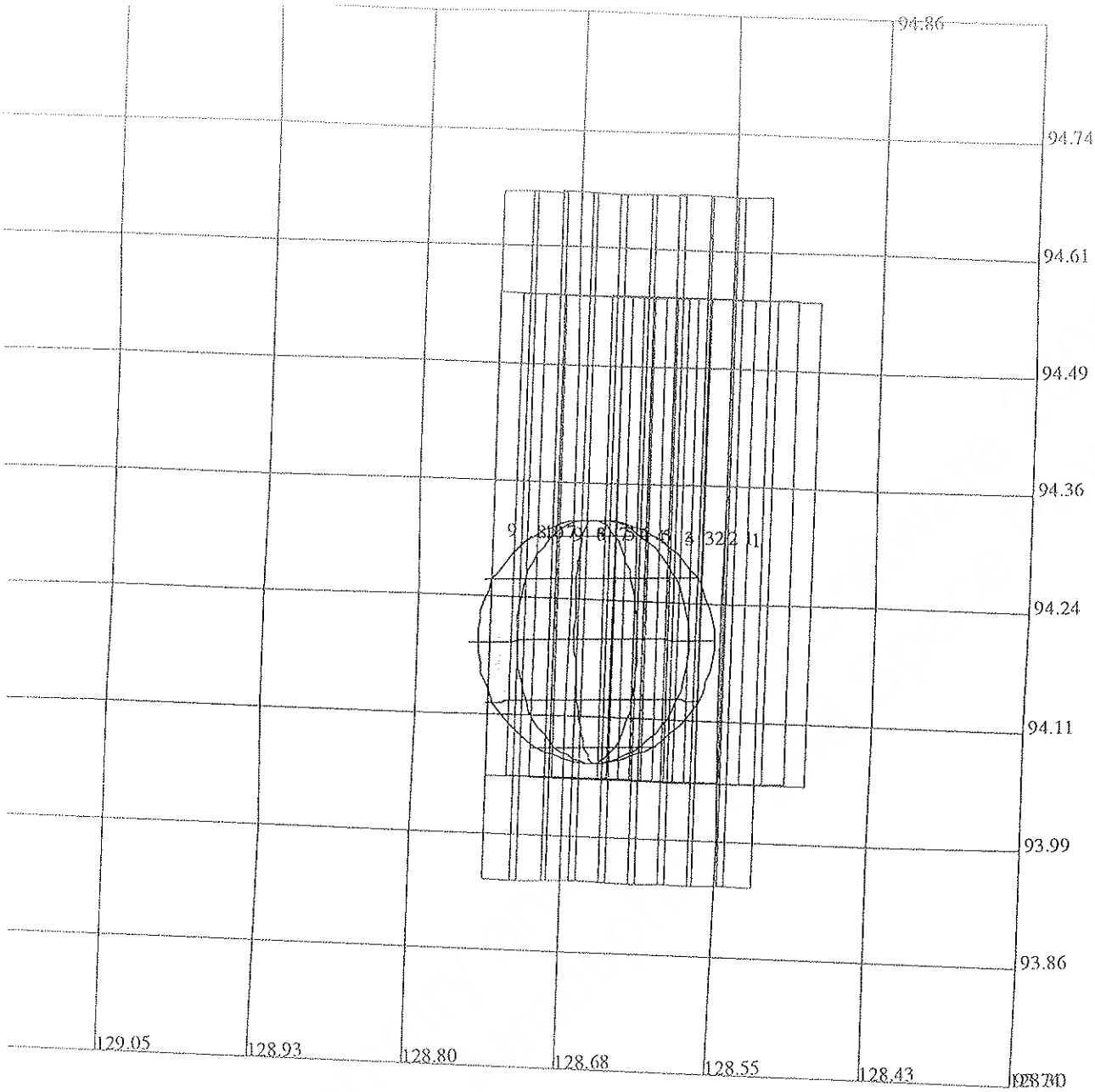
Ride-along with the NIMS Io Chemis 02 observation to observe Io in the 1600Å to 3200Å wavelength regions at phase angles not obtainable from the Earth. Data will supplement and complement the NIMS surface property measurements.

1 RECORDED scan-platform slew across Io in real-time at ~41.5° phase (~40-186 longitude). Playback will require [(cds 02:00:0)*(1008 bps)] = 0.13 Mbits of UVS data.

UVS Configuration = F/F Full Scans

Design Detail

```
CDS RIM Command Parameters                          PSID
--- --- ------- ----------                          ----
0       TARGET  (NIMS Target)
0       CSMOS   (NIMS Csmos)
0       SCIREC  (NIMS Scirec)
38  003 CMDRS                                       (CM)
    004     1   34UVS,07,S,N,N,N,S,0,  ON,OFF,  ON,  ON,OFF,NOOVR,1,00,9C,01,2C
    006     3   34UVS,C1,F,N,N,N,S,0,OFF,OFF,  ON,OFF,OFF,NOOVR,1,2C,05,00,00
```



165DG:TT= 0 TMC= 1 C= -2.25 XC= 1.50 BS= 0/9667 TC= 3
A= 182 pD= 0 SR=17.450 RA50=262.84 DEC50=-24.92 cone=128.53 clock= 94.30
117DG:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/9667
1:#s= 1 Cs= 4.30 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 434 rD= 2

ESIGN G3.0 jaiel: 1/28/1997 15:17:44

ILE:P.G7INCHEMIS02

ARGET BODY : IO

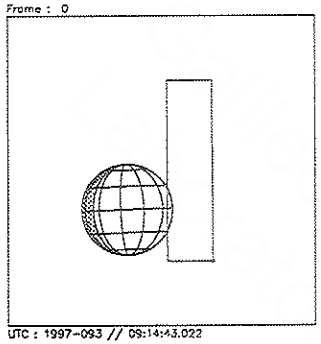
INI:m.G7INCHEMIS02

:PH:/DATA/NAVIO/T-970109-TOUR.NS

ERIAPSIS: THINNING:NIM 2 :UVS 1

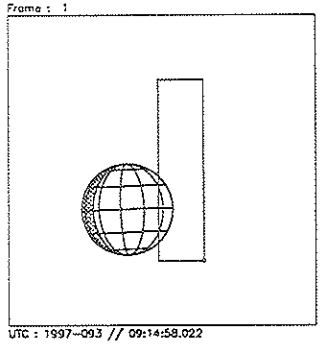
TART:IEE 97-093/21:10:39.733 -CDS 709:00:0 BODY PLOT TIME:TARGET-TIME D= 0 S= 0.200

Frame : 0



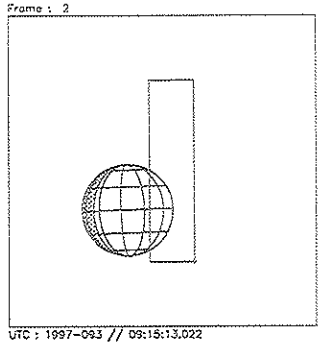
UTC : 1997-093 // 09:14:43.022
SCLK: 1/03896543:00:0:0

Frame : 1



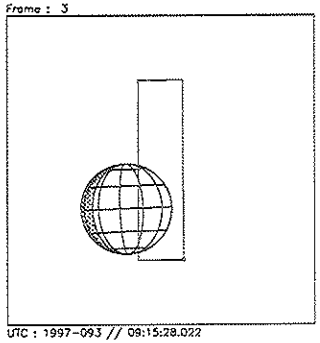
UTC : 1997-093 // 09:14:58.022
SCLK: 1/03896543:22:5:0

Frame : 2



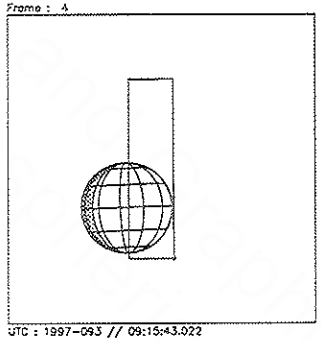
UTC : 1997-093 // 09:15:13.022
SCLK: 1/03896543:45:0:0

Frame : 3



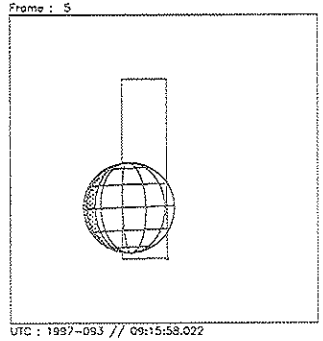
UTC : 1997-093 // 09:15:28.022
SCLK: 1/03896543:67:5:0

Frame : 4



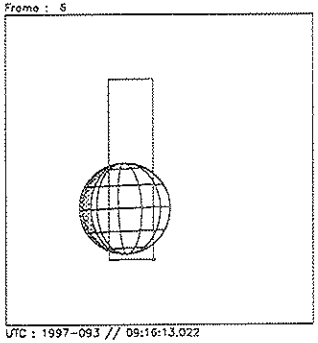
UTC : 1997-093 // 09:15:43.022
SCLK: 1/03896543:90:0:0

Frame : 5



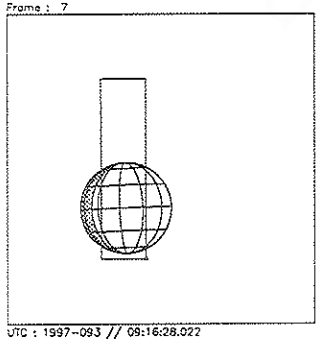
UTC : 1997-093 // 09:15:58.022
SCLK: 1/03896544:21:5:0

Frame : 6



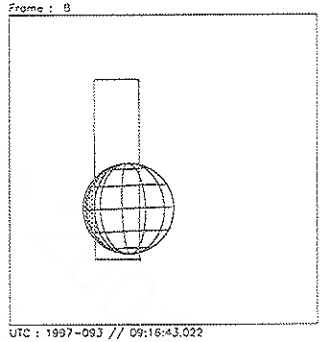
UTC : 1997-093 // 09:16:13.022
SCLK: 1/03896544:44:0:0

Frame : 7



UTC : 1997-093 // 09:16:28.022
SCLK: 1/03896544:66:5:0

Frame : 8



UTC : 1997-093 // 09:16:43.022
SCLK: 1/03896544:89:0:0

Start UTC_TIME : 1997-093 // 09:14:43.022
End UTC_TIME : 1997-093 // 09:16:44.355
Start SCLK : 1/03896543:00:0:0
Delta Time between FOV : 15.00000
FOVs : F Channel(0.1x0.4)

Target Body : IO
Target Cone/Clock : 128.75/ 94.09 Deg
S/C to Body Center : 1029044. Km (564.06050 Ri)
Z-axis Pointing (Ra / Dec) : 136.90 / 15.10 Deg

Activity ID: **Orbit** G7 **OAPEL** IUTHRMAL **SeqNo** 02+

Title UVS R/A W/ NIMS IO THERMAL 02 **Instrument** UVS

Requestor UVS-SWG/K.NAVIAUX 37740 **Team** UVS **Working Group** SWG

Time System CDS **Load ID** G7A **Calendar Date** 04/03/97 Week 14

Start	IEE-CDS 00000706:00:0	97-093/09:17:45.467	IEE-000/11:53:50.666
End	IEE-CDS 00000703:00:0	97-093/09:20:47.467	IEE-000/11:50:48.666
Duration	00000003:00:0	000/00:03:02.000	000/00:03:02.000

Top Label G7IUTHRMAL02+

Bottom Label (recorded)

Plot Key UVS **Type** SCI

CDS Bytes 38 **Report Options** BOTH **Scan Platform** No

CDS Source OAP **Spin State** ALL **DMS** No

Observation Objective

Ride-along with the NIMS Io Thermal 02 observation to observe Io in the 1600Å to 3200Å wavelength regions at phase angles not obtainable from the Earth. Data will supplement and complement the NIMS surface property measurements.

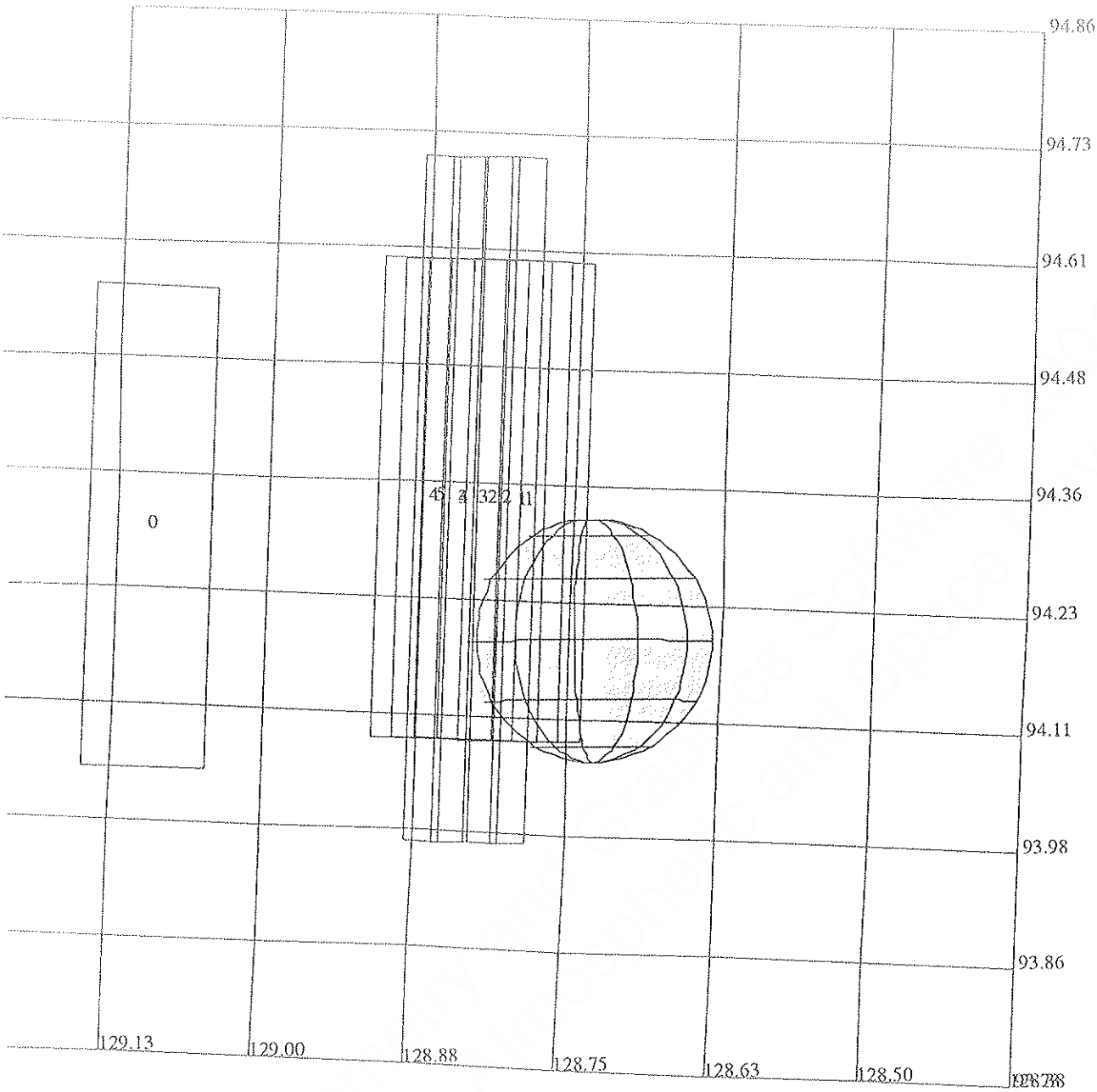
1 RECORDED scan-platform slew across Io in real-time at ~41° phase (~146-177 longitude). Playback will require [(cds 01:00:0)*(1008 bps)] = 0.06 Mbits of UVS data.

UVS Configuration = F/F Full Scans

Design Detail

```
CDS RIM Command Parameters                          PSID
--- --- ------- ----------                          ----
0       TARGET  (NIMS Target)
0       CSMOS   (NIMS Csmos)
0       SCIREC  (NIMS Scirec)
38  003 CMDRS                                       (CN)off
    004     1   34UVS,07,S,N,N,N,S,0,  ON,OFF,  ON,  ON,OFF,NOOVR,1,00,9C,01,2C
    005     2   34UVS,C1,F,N,N,N,S,0,OFF,OFF,  ON,OFF,OFF,NOOVR,1,2C,05,00,00
```

00,00 correct(as Alg'd) June 18,97 KES



165DH:TT= 0 TMC= 1 C= 1.00 XC= 2.00 BS= 0/0395 TC= 3
A= 182 pD= 0 SR=17,450 RA50=263.13 DEC50=-24.89 cone=128.79 clock= 94.34
117DH:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/0395
1:#s= 1 Cs= 2.00 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 204 rD= 2

ESIGN G3.0 jaiel: 1/28/1997 15:19: 6

ILE:P.G7INTHRMAL02

ARGET BODY : IO

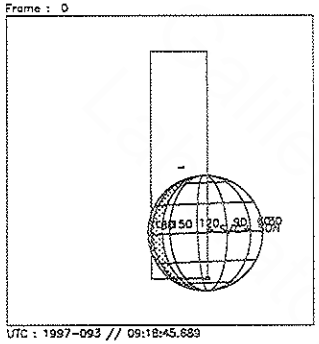
INI:m.G7INTHRMAL02

'PH:/DATA/NAVIO/T-970109-TOUR.NS

ERIAPSIS: THINNING:NIM 2 :UVS 1

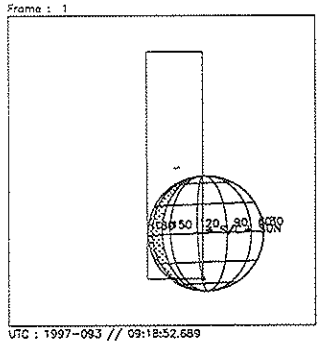
TART:IEE 97-093/21:10:39.733 -CDS 705:00:0 BODY PLOT TIME:TARGET-TIME D= 0 S= 0.200

Frame : 0



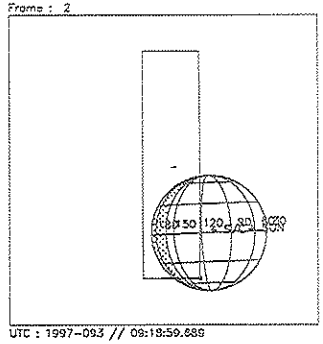
UTC : 1997-093 // 09:18:45.689
SCLK: 1/03896547:00:0:0

Frame : 1



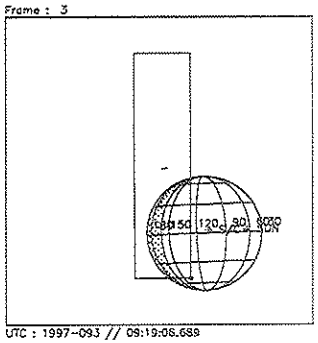
UTC : 1997-093 // 09:18:52.689
SCLK: 1/03896547:10:5:0

Frame : 2



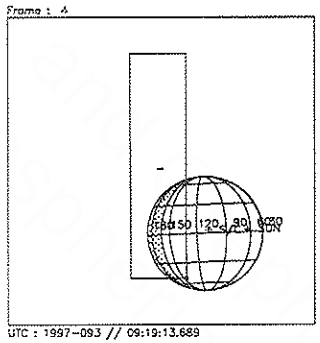
UTC : 1997-093 // 09:18:59.689
SCLK: 1/03896547:21:0:0

Frame : 3



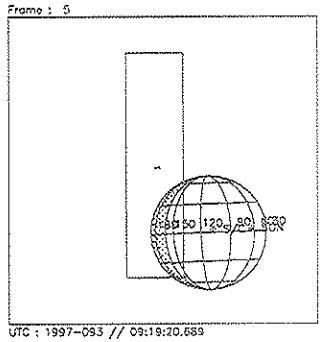
UTC : 1997-093 // 09:19:06.689
SCLK: 1/03896547:31:5:0

Frame : 4



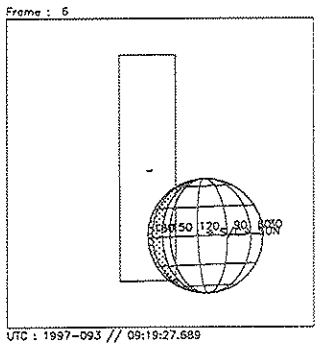
UTC : 1997-093 // 09:19:13.689
SCLK: 1/03896547:42:0:0

Frame : 5



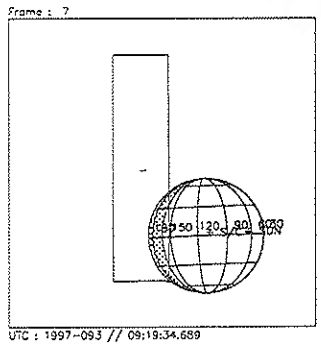
UTC : 1997-093 // 09:19:20.689
SCLK: 1/03896547:52:5:0

Frame : 6



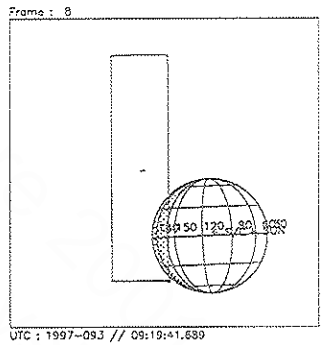
UTC : 1997-093 // 09:19:27.689
SCLK: 1/03896547:63:0:0

Frame : 7



UTC : 1997-093 // 09:19:34.689
SCLK: 1/03896547:73:5:0

Frame : 8



UTC : 1997-093 // 09:19:41.689
SCLK: 1/03896547:84:0:0

Start UTC_TIME : 1997-093 // 09:18:45.689
End UTC_TIME : 1997-093 // 09:19:46.355
Start SCLK : 1/03896547:00:0:0
Delta Time between FOV : 7.000000
FOVs : F Channel(0.1x0.4)

Target Body : IO
Target Cone/Clock : 128.82/ 94.08 Deg
S/C to Body Center : 1023936. Km (561.26047 Ri)
Z-axis Pointing (Ra / Dec) : 136.90 / 15.10 Deg

Activity ID: Orbit G7 **OAPEL** EUFLEXUS **SeqNo** 01+

Title EUROPA GLOBAL MOSAIC CAMPAIGN **Instrument** UVS

Requestor UVS-SWG/J. AIELLO X37737 **Team** UVS **Working Group** SWG

Time System CDS **Load ID** **Calendar Date** 04/04/97 **Week** 14

Start	EEE-CDS 00000240:00:0	97-094/01:55:47.066	EEE-000/04:02:40.000
End	EEE-CDS 00000213:00:0	97-094/02:23:05.066	EEE-000/03:35:22.000
Duration	00000027:00:0	000/00:27:18.000	000/00:27:18.000

Top Label G7EUFLEXUS01+

Bottom Label

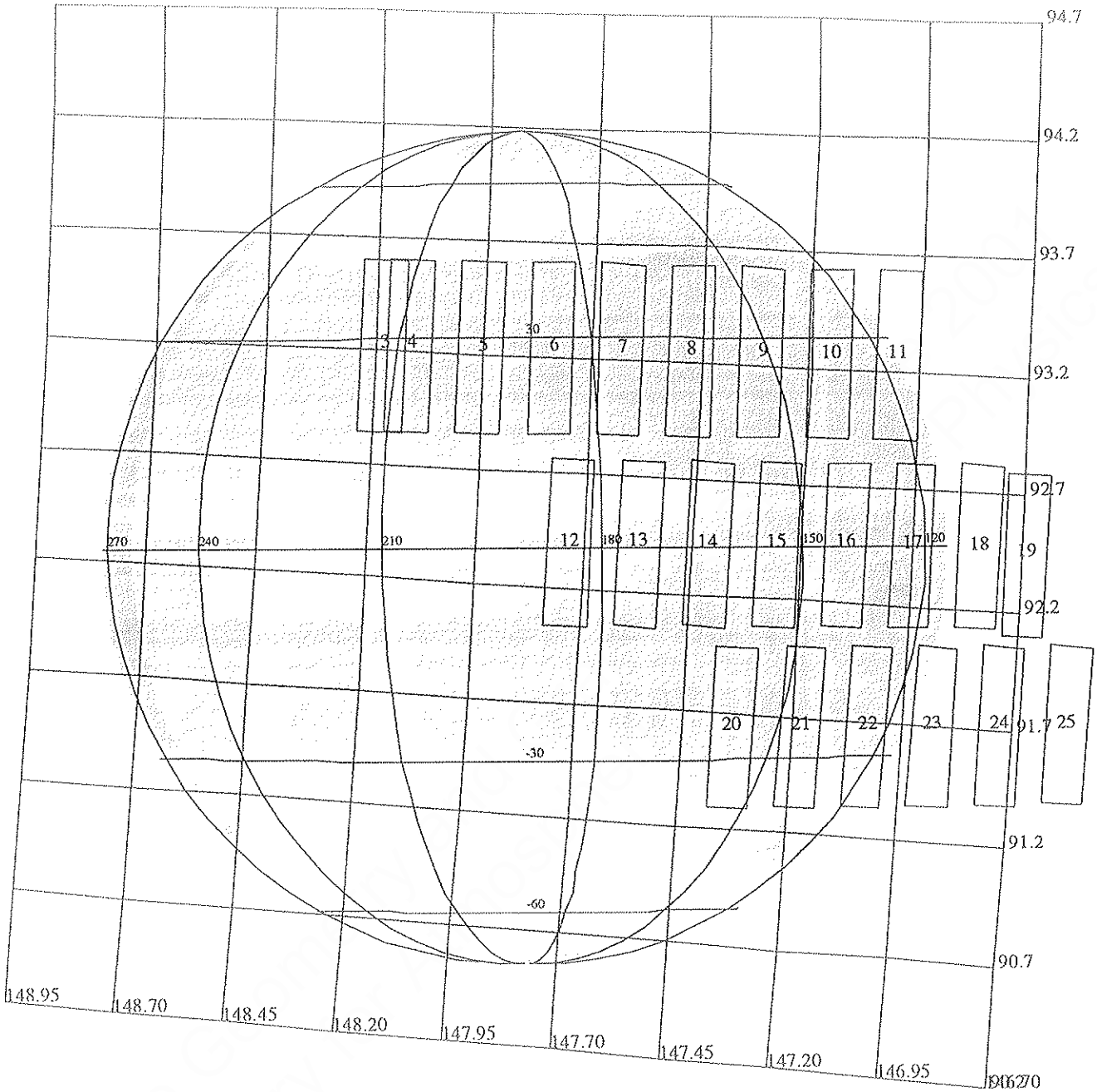
Plot Key	UVS	**Type**	SCI		
CDS Bytes	38	**Report Options**	BOTH	**Scan Platform**	No
CDS Source	OAP	**Spin State**	DUAL	**DMS**	No

Observation Objective

Ride-along with NIMS. Part of the Global Mosaic Campaign of Europa covering approximately 120-210 degrees west longitude. The mosaic will be centered on the Flexus linea region.

Design Detail

```
CDS     RIM     CMD
---     ---     ---
38              CMDRS (157CJ)
        4       34UVS,07,SCAN  ,N,N,N,S,0,ON  ,OFF,OFF,ON  ,OFF,NOOVR,1,00,9C,01,2C
        24      34UVS,C1,FIXED,N,N,N,S,0,OFF,OFF,  ON,OFF,OFF,NOOVR,1,2C,05,00,00
```



165DX:TT= 0 TMC= 1 C= 5.00 XC= 8.00 BS= 0/0210 TC= 3
A= 728 pD= 4098 SR=17.450 RA50=284.38 DEC50=-23.94 cone=148.13 clock= 93.22
117DX:#SB= 1 OR= 0.030 RR= 6.000 BM=F RC= 1 BS= 0/0210
1:#s= 3 Cs= -13.50 XCs= 0.00 Cr= 16.00 XCr= -8.50 sD= 1354 rD= 18

ESIGN G3.0 jaiel: 1/28/1997 15:23:24

ILE:P.G7ENFLEXUS01

ARGET BODY : EUROPA

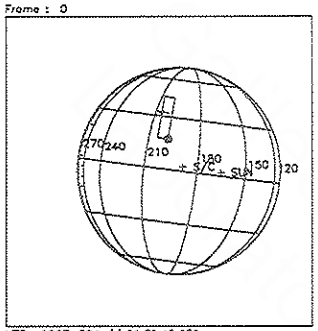
INI:m.G7ENFLEXUS01

PH:/DATA/NAVIO/T-961107-TOUR.NS

ERIAPSIS: THINNING: :UVS 1

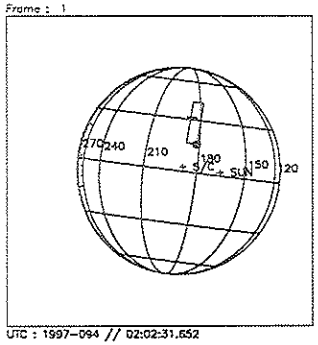
TART:EEE 97-094/05:59:28.400 -CDS 240:00:0 BODY PLOT TIME:TARGET-TIME D= 4098 S= 0.700

Frame : 0



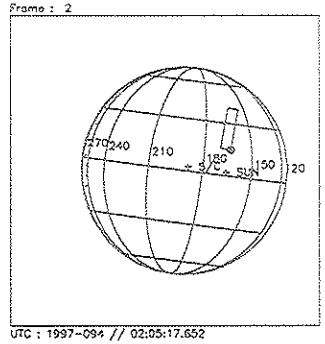
UTC : 1997-094 // 01:59:45.652
SCLK: 1/03897537:00:0:0

Frame : 1



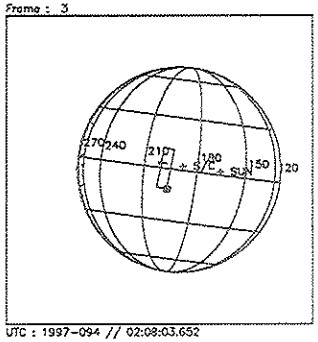
UTC : 1997-094 // 02:02:31.652
SCLK: 1/03897539:67:0:0

Frame : 2



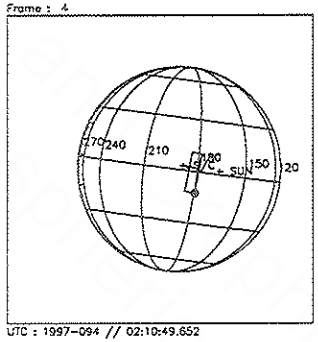
UTC : 1997-094 // 02:05:17.652
SCLK: 1/03897542:43:0:0

Frame : 3



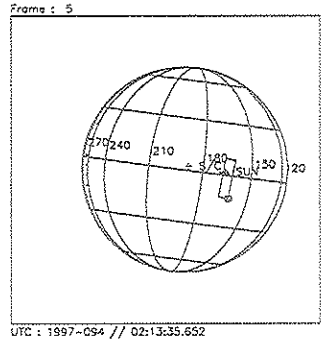
UTC : 1997-094 // 02:08:03.652
SCLK: 1/03897545:19:0:0

Frame : 4



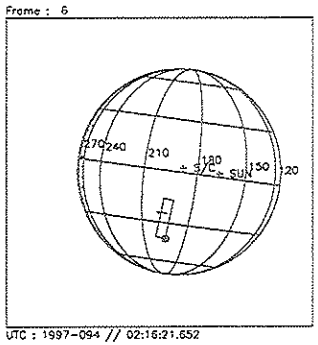
UTC : 1997-094 // 02:10:49.652
SCLK: 1/03897547:86:0:0

Frame : 5



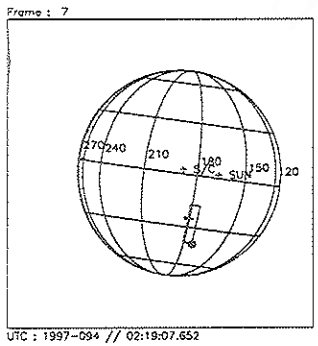
UTC : 1997-094 // 02:13:35.652
SCLK: 1/03897550:62:0:0

Frame : 6



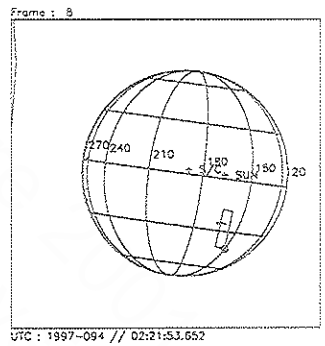
UTC : 1997-094 // 02:16:21.652
SCLK: 1/03897553:38:0:0

Frame : 7



UTC : 1997-094 // 02:19:07.652
SCLK: 1/03897556:14:0:0

Frame : 8



UTC : 1997-094 // 02:21:53.652
SCLK: 1/03897558:81:0:0

Start UTC_TIME : 1997-094 // 01:59:45.652
End UTC_TIME : 1997-094 // 02:22:00.318
Start SCLK : 1/03897537:00:0:0
Delta Time between FOV : 166.0000
FOVs : F Channel(0.1x0.4)

Target Body : EUROPA
Target Cone/Clock : 148.55/ 92.10 Deg
S/C to Body Center : 91293.94 Km (58.334783 Re)
Z-axis Pointing (Ra / Dec) : 136.90 / 15.10 Deg

Activity ID: Orbit G7 **OAPEL** EUTYREMA **SeqNo** 01+

Title EUROPA TYRE MACULA REGION **Instrument** UVS

Requestor UVS-SWG/J. AIELLO X37737 **Team** UVS **Working Group** SWG

Time System CDS **Load ID** **Calendar Date** 04/04/97 **Week** 14

Start	EEE-CDS 00000009:00:0	97-094/05:49:21.066	EEE-000/00:09:06.000
End	EEE+CDS 00000012:00:0	97-094/06:10:35.066	EEE+000/00:12:08.000
Duration	00000021:00:0	000/00:21:14.000	000/00:21:14.000

Top Label G7EUTYREMA01+

Bottom Label

Plot Key	UVS	**Type**	SCI		
CDS Bytes	38	**Report Options**	BOTH	**Scan Platform**	No
CDS Source	OAP	**Spin State**	DUAL	**DMS**	No

Observation Objective

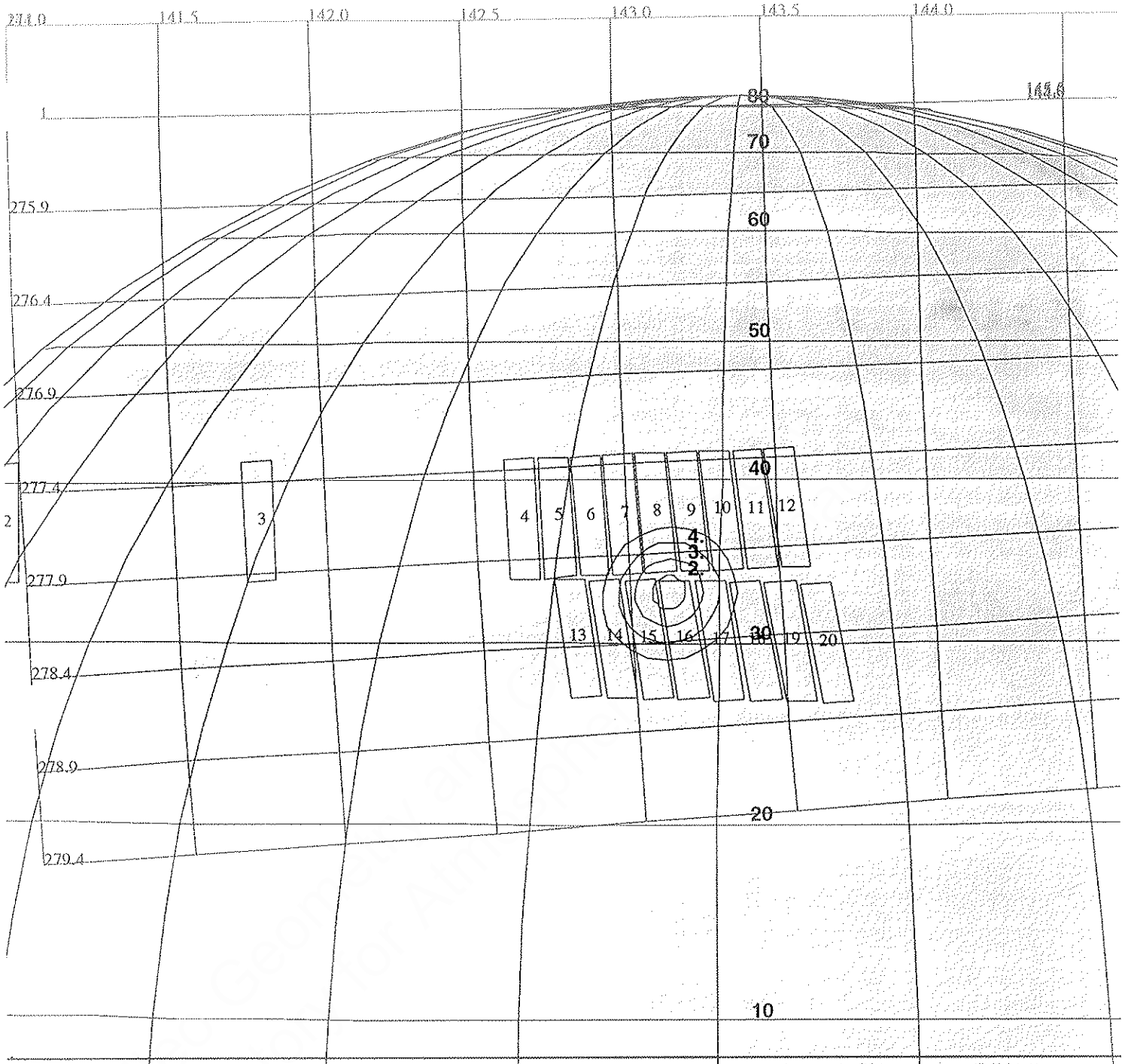
Ride-along with NIMS centered at 145 deg west longitude and 30 deg N latitude.

as name: checked
[illegible] 18/07 KCE

Design Detail

```
CDS     RIM     CMD
---     ---     ---
38      3       CMDRS (157C1)
        4       34UVS,07,SCAN  ,N,N,N,S,0,ON  ,OFF,OFF,ON,OFF,NOOVR,1,00,9C,01,2C
        20      34UVS,C1,FIXED,N,N,N,S,0,OFF,OFF,ON,OFF,OFF,NOOVR,1,2C,05,00,00
```

00,00



165EH:TT= 0 TMC= 1 C= 0.00 XC= 0.00 BS= 0/2798 TC= 1(37.5 152.5)
A= 728 pD= 2952 SR=17.450 RA50=352.52 DEC50= -2.37 cone=142.71 clock=277.66
117EH:#SB= 1 OR= 0.030 RR= 3.700 BM=F RC= 1 BS= 0/2798
1:#s= 2 Cs= 14.50 XCs= 0.00 Cr= -14.50 XCr= 7.00 sD= 1456 rD= 40

ESIGN G3.0 jaiel: 1/28/1997 15:12:39

LE:P.G7ENTYREMA01

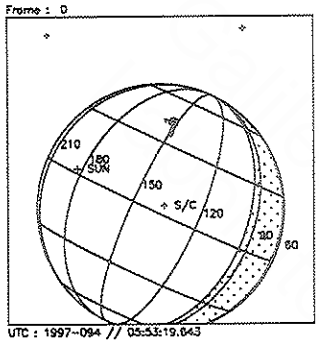
ARGET BODY : EUROPA

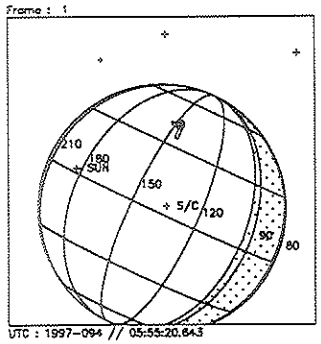
INI:m.G7ENTYREMA01

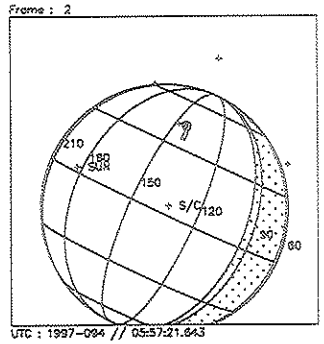
PH:/DATA/NAVIO/T-961107-TOUR.NS

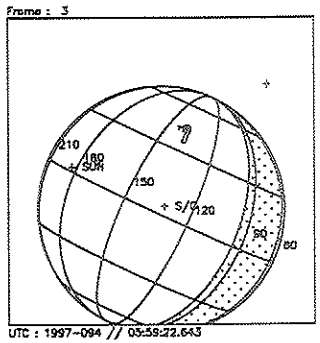
ERIAPSIS: THINNING: :UVS 1

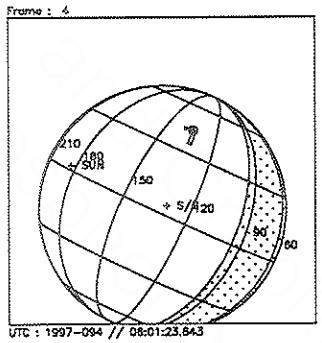
TART:EEE 97-094/05:59:28.400 -CDS 6:00:0 BODY PLOT TIME:TARGET-TIME D= 2952 S= 2.000

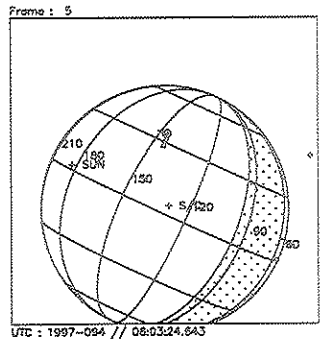


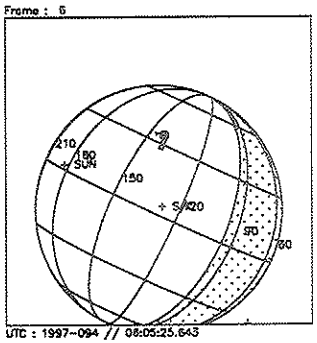


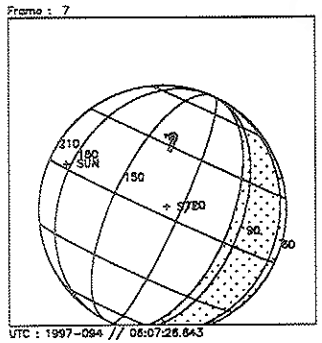


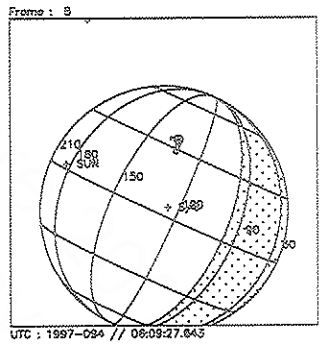












Start UTC_TIME : 1997-094 // 05:53:19.643
End UTC_TIME : 1997-094 // 06:09:30.309
Start SCLK : 1/03897768:00:0:0
Delta Time between FOV : 121.0000
FOVs : F Channel(0.1x0.4)

Target Body : EUROPA
Target Cone/Clock : 142.38/281.13 Deg
S/C to Body Center : 25210.20 Km (16.108753 Re)
Z-axis Pointing (Ra / Dec) : 136.90 / 15.10 Deg

Activity ID: Orbit G7 **OAPEL** GUHNLAT_ **SeqNo** 01+

Title GANYMEDE NORTH HIGH LATITUDE REGION MAP **Instrument** UVS

Requestor UVS-SWG/J. AIELLO X37737 **Team** UVS **Working Group** SWG

Time System CDS **Load ID** **Calendar Date** 04/05/97 **Week** 14

Start	GEE-CDS 00000159:00:0	97-095/04:29:17.666	GEE-000/02:40:46.000
End	GEE-CDS 00000125:00:0	97-095/05:03:40.333	GEE-000/02:06:23.333
Duration	00000034:00:0	000/00:34:22.667	000/00:34:22.667

Top Label G7GUHNLAT_01+

Bottom Label

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

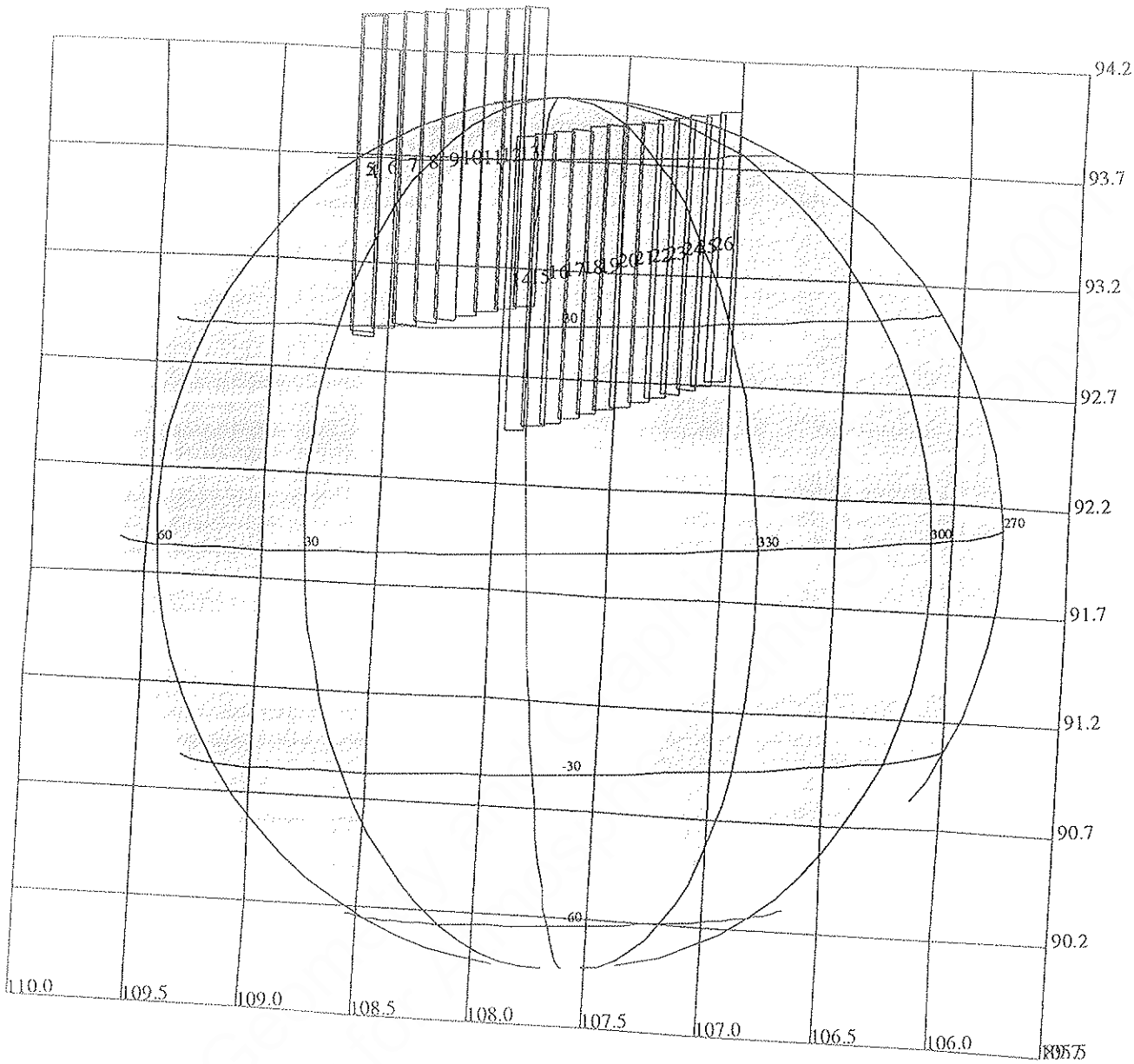
Observation Objective

Ride-along with NIMS.

① 16 step G/G in h a
(2) 16 step G/G in 1350 Å

Design Detail

```
CDS     RIM     CMD
---     ---     ---
                CMDRS (157CQ)
52      4       34UVS,D1,SCAN ,N,N,N,S,0,OFF,OFF,ON ,ON ,OFF,NOOVR,1,B6,45,00,00
        24      34UVS,07,SCAN ,N,N,N,S,0,ON ,OFF,OFF,ON ,OFF,NOOVR,1,00,9C,01,2C
        27      34UVS,C1,FIXED,N,N,N,S,0,OFF,OFF,ON ,OFF,OFF,NOOVR,1,2C,05,00,00
                LOOPER (5 TIMES)
38              CMDRS (157CR)
        14      34UVS,D1,SCAN,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NOOVR,1,5A,45,00,00
        15      34UVS,D1,SCAN,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NOOVR,1,B6,45,00,00
        16      34UVS,D1,SCAN,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NOOVR,1,5A,45,00,00
        17      34UVS,D1,SCAN,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NOOVR,1,B6,45,00,00
        18      34UVS,D1,SCAN,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NOOVR,1,5A,45,00,00
        19      34UVS,D1,SCAN,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NOOVR,1,B6,45,00,00
        20      34UVS,D1,SCAN,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NOOVR,1,5A,45,00,00
        21      34UVS,D1,SCAN,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NOOVR,1,B6,45,00,00
        22      34UVS,D1,SCAN,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NOOVR,1,5A,45,00,00
        23      34UVS,D1,SCAN,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NOOVR,1,B6,45,00,00
```



A= 728 pD= 0 SR=17.450 RA50=240.91 DEC50=-23.99 cone=108.57 clock= 93.60

1:#s= 1 Cs= -16.30 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 1638 rD= 2
2:#s= 1 Cs= -25.00 XCs= 0.00 Cr= 3.00 XCr= -11.00 sD= 2514 rD= 32

ESIGN G3.0 jaiel: 1/28/1997 15:25:35

ILE:P.G7GNNHILAT01

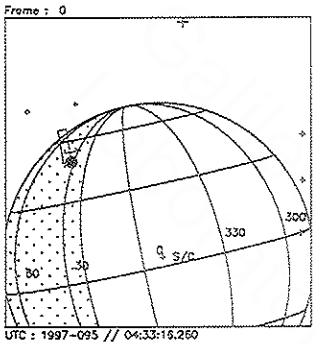
ARGET BODY : GANYMEDE

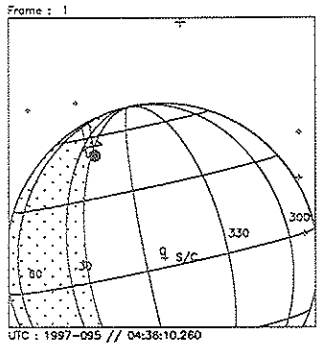
INI:m.G7GNNHILAT01

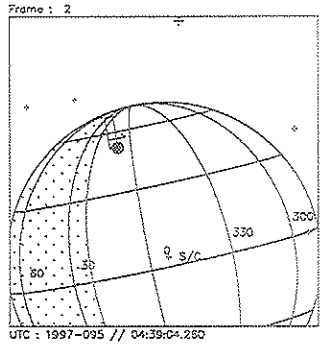
:PH:/DATA/NAVIO/T-961231-TOUR.NS

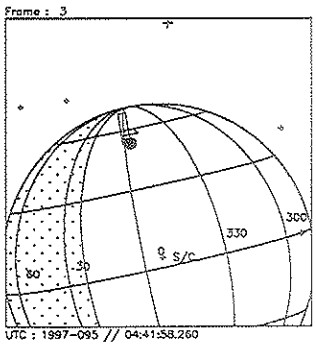
ERIAPSIS: THINNING: :UVS 1

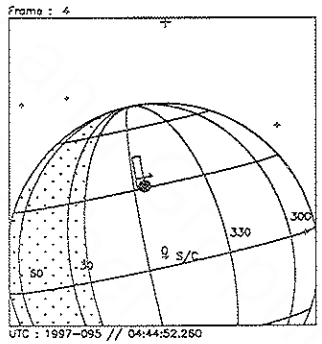
TART:GEE 97-095/07:11:05.066 -CDS 155:00:0 BODY PLOT TIME:TARGET-TIME D= 0 S= 0.700

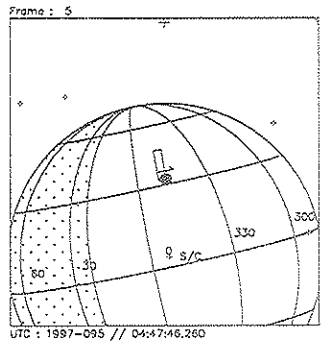


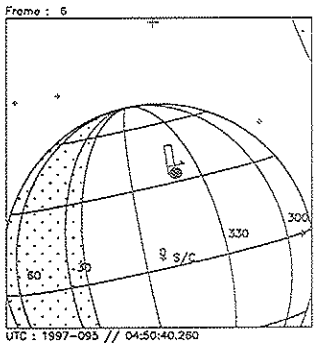


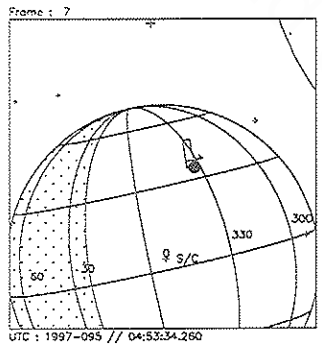


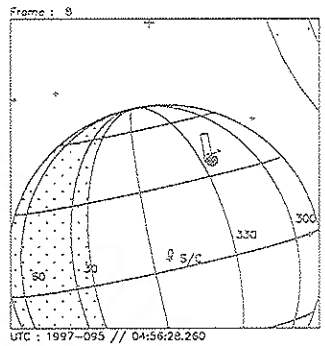












Start UTC_TIME : 1997-095 // 04:33:16.260
End UTC_TIME : 1997-095 // 04:56:31.592
Start SCLK : 1/03899113:00:0:0
Delta Time between FOV : 174.0000
FOVs : F Channel(0.1x0.4)

Target Body : GANYMEDE
Target Cone/Clock : 107.73/ 91.94 Deg
S/C to Body Center : 78898.76 Km (29.953971 Rg)
Z-axis Pointing (Ra / Dec) : 136.90 / 15.10 Deg

ACTIVITY ID: G7GUBRTLMB01-

START TIME: 97-095/05:41:05.000

Activity ID: **Orbit** G7 **OAPEL** GUBRTLMB **SeqNo** 01-

Title UVS Ganymede Bright Limb (Oxygen) **Instrument** UVS

Requestor UVS-SWG/J. Aiello 30523 **Team** UVS **Working Group** SWG

Time System CDS **Load ID** **Calendar Date** 04/05/97 Week 14

Start	GTE-CDS 00000088:00:0	97-095/05:41:05.000	GTE-000/01:28:58.666
End	GTE-CDS 00000080:00:0	97-095/05:49:10.333	GTE-000/01:20:53.333
Duration	00000008:00:0	000/00:08:05.333	000/00:08:05.333

Top Label G7GUBRTLMB01-

Bottom Label (recorded)

Plot Key UVS **Type** SCI

CDS Bytes 38 **Report Options** BOTH **Scan Platform** Yes

CDS Source OAP **Spin State** ALL **DMS** Yes

Observation Objective

G/G 16-STEP around 1304A (Oxygen)

Mar 12, 97-KES

a change sheet was submitted to change the configuration to 1216 and 1304.

Design Detail

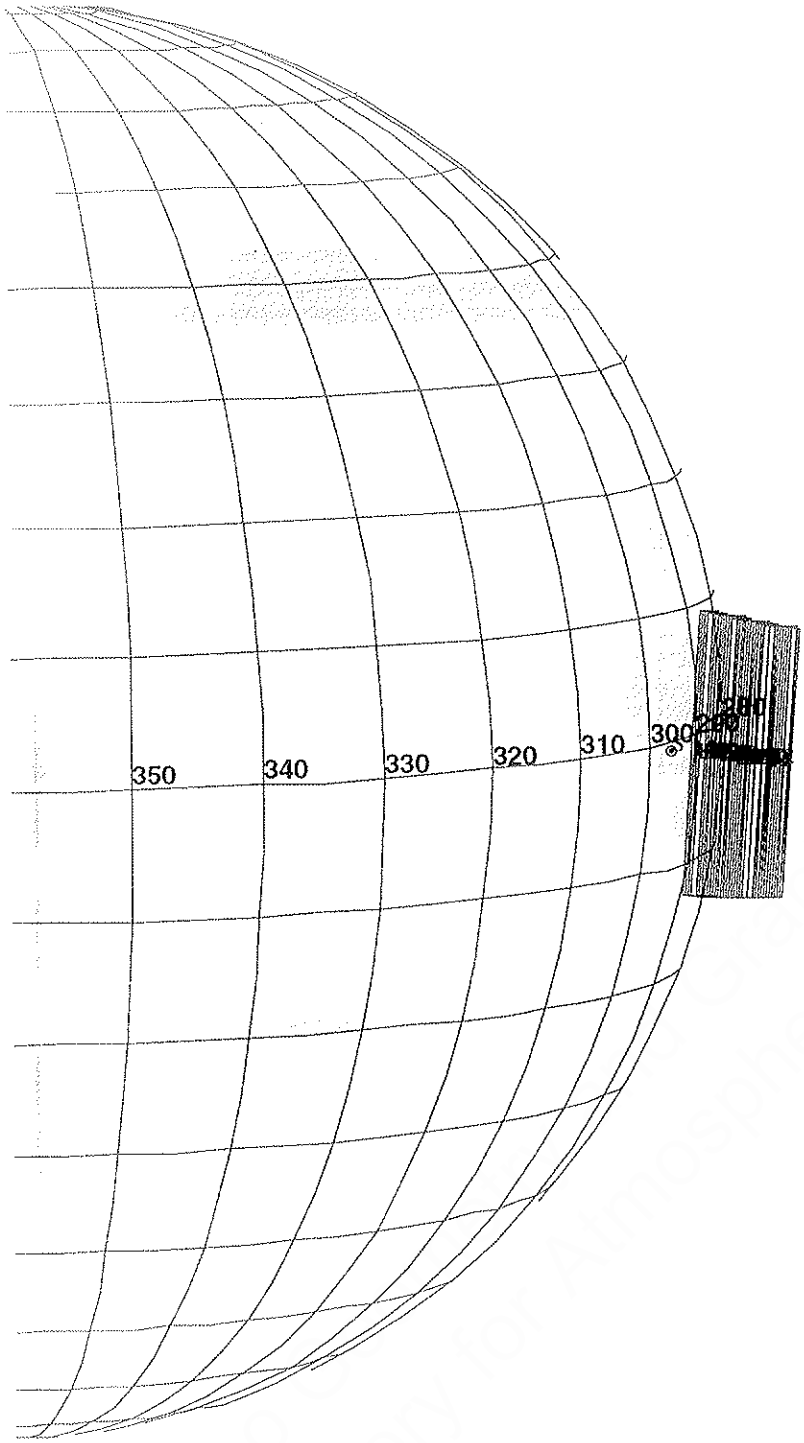
```
CDS RIM Command Parameters                                PSID
--- --- ------- ----------                                ----
0       TARGET
0       CSMOS
0       SCIREC
38  003 CMDRS                                             (CO)
    004     1   34UVS,D1,F,N,N,N,S,0,OFF,OFF, ON, ON,OFF,NOOVR,1,94,45,00,00 <--?
    008     5   34UVS,C1,F,N,N,N,S,0,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00
```

as run: verified June 18, 07 KES

5A, 45, 00, 39 5

12920-1315.0

Galileo Formerly and Applied Solar and Atmospheric Space Physics Laboratory



165CZ:TT= 0 TMC= 1 C= 0.00 XC= 0.00 BS= 0/0693 TC= 2(102.07 88.95)
A= 504 pD= 910 SR=17.450 RA50=232.91 DEC50=-27.26 cone=102.07 clock= 88.95
117CA:#SB= 1 OR= 0.050 RR=12.000 BM=F RC= 1 BS= 0/0693
1:#s= 1 Cs= -14.40 XCs= -5.75 Cr= 0.00 XCr= 0.00 sD= 728 rD= 2

ESIGN G3.0 jaiel: 2/10/1997 14:15:49

ILE:P.G7GUBRTLMB01

ARGET BODY : GANYMEDE

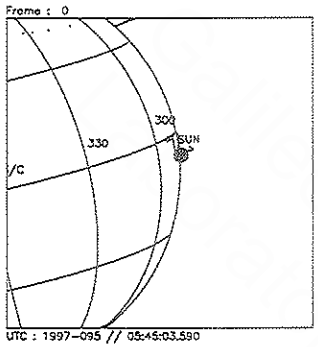
INI:m.G7GUBRTLMB01

:PH:/DATA/NAVIO/T-961231-TOUR.NS

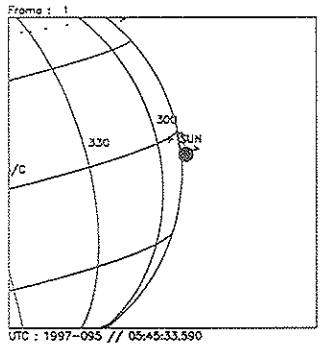
ERIAPSIS: THINNING: :UVS 1

TART:GTE 97-095/07:11:04.333 -CDS 84:00:0 BODY PLOT TIME:TARGET-TIME D= 910 S= 1.000

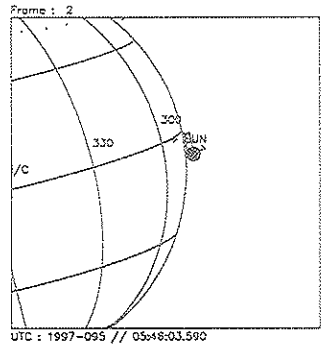
Galileo Orbit Analysis Software 2001
Jet Propulsion Laboratory Navigation Analysis



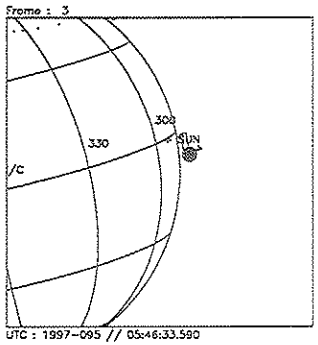
UTC : 1997-095 // 05:45:03.590
SCLK: 1/03899184:00:0:0



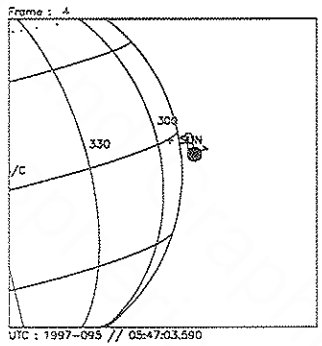
UTC : 1997-095 // 05:45:33.590
SCLK: 1/03899184:45:0:0



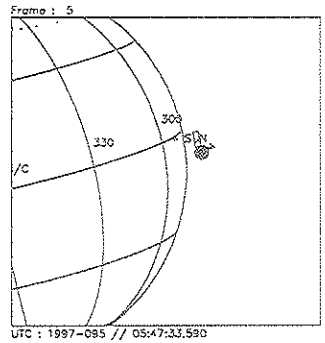
UTC : 1997-095 // 05:46:03.590
SCLK: 1/03899184:90:0:0



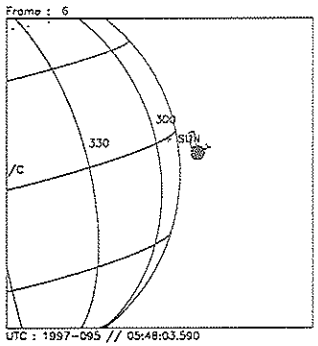
UTC : 1997-095 // 05:46:33.590
SCLK: 1/03899185:44:0:0



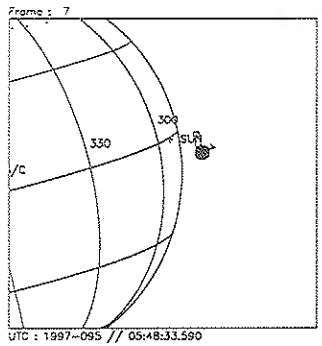
UTC : 1997-095 // 05:47:03.590
SCLK: 1/03899185:89:0:0



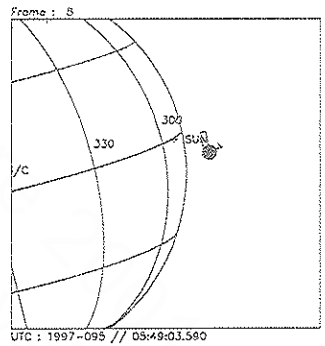
UTC : 1997-095 // 05:47:33.590
SCLK: 1/03899186:43:0:0



UTC : 1997-095 // 05:48:03.590
SCLK: 1/03899186:88:0:0



UTC : 1997-095 // 05:48:33.590
SCLK: 1/03899187:42:0:0



UTC : 1997-095 // 05:49:03.590
SCLK: 1/03899187:87:0:0

Start UTC_TIME : 1997-095 // 05:45:03.590
End UTC_TIME : 1997-095 // 05:49:06.257
Start SCLK : 1/03899184:00:0:0
Delta Time between FOV : 30.00000
FOVs : F Channel(0.1x0.4)

Target Body : GANYMEDE
Target Cone/Clock : 105.55/ 89.00 Deg
S/C to Body Center : 43001.60 Km (16.325587 Rg)
Z-axis Pointing (Rc / Dec) : 136.90 / 15.10 Deg

Activity ID: Orbit G7 **OAPEL** GUBRITRL **SeqNo** 01+

Title UVS R/A W/ NIMS BRITRL OBS **Instrument** UVS

Requestor UVS-SWG/K.NAVIAUX 37740 **Team** UVS **Working Group** SWG

Time System CDS **Load ID** G7A **Calendar Date** 04/05/97 **Week** 14

Start	GTE-CDS 00000051:00:0	97-095/06:18:29.666	GTE-000/00:51:34.000
End	GTE-CDS 00000042:00:0	97-095/06:27:35.666	GTE-000/00:42:28.000
Duration	00000009:00:0	000/00:09:06.000	000/00:09:06.000

Top Label G7GUBRITRL01+

Bottom Label (recorded)

Plot Key	UVS	**Type**	SCI		
CDS Bytes	38	**Report Options**	BOTH	**Scan Platform**	No
CDS Source	OAP	**Spin State**	ALL	**DMS**	No

Observation Objective

Ride-along with the NIMS Ganymede BRITRL observation to observe Ganymede in the 1600Å to 3200Å wavelength regions at phase angles not obtainable from the Earth. Data will supplement and complement the NIMS surface property measurements.

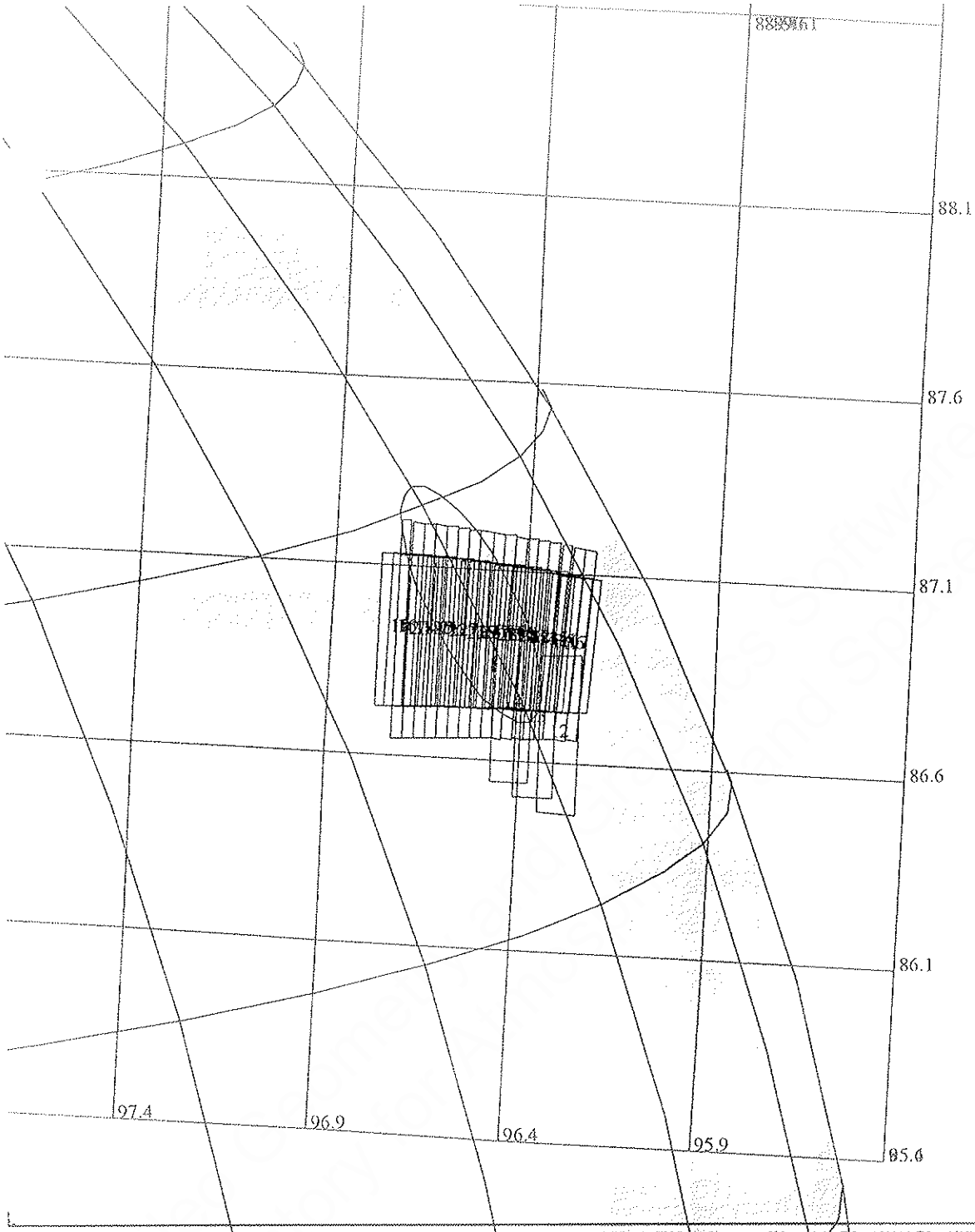
Recorded scan-platform mosaic on a Ganymede Bright Trail (~74° phase ; ~305-295 longitude). Playback will require [(cds 04:63:0)*(1008 bps)] = 0.29 Mbits of UVS data.

UVS Configuration = F/F Full Scans

Design Detail

```
CDS RIM Command Parameters                          PSID
--- --- -------- ----------                         ----
0       TARGET   (NIMS Target)
0       CSMOS    (NIMS Csmos)
0       SCIREC   (NIMS Scirec)
38  003 CMDRS                                       (CP)
    004     1    34UVS,07,S,N,N,N,S,0,  ON,OFF,  ON,  ON,OFF,NOOVR,1,00,9C,00,00
    008     5    34UVS,C1,F,N,N,N,S,0,OFF,OFF,  ON,OFF,OFF,NOOVR,1,2C,05,00,00
```

Corrected as shown 4/11/97 KLS



165EX:TT= 0 TMC= 1 C= 0.00 XC= 0.00 BS= 0/7426 TC= 1(27.5 305.0)
A= 728 pD= 854 SR=17.450 RA50=226.57 DEC50=-28.15 cone= 96.73 clock= 86.89
117EX:#SB= 1 OR= 0.030 RR= 0.010 BM=F RC= 1 BS= 0/7426
1:#s= 1 Cs= -8.50 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 854 rD= 2

ESIGN G3.0 jaiel: 1/28/1997 15:20:55

ILE:P.G7GNBRITRL01

ARGET BODY : GANYMEDE

INI:m.G7GNBRITRL01

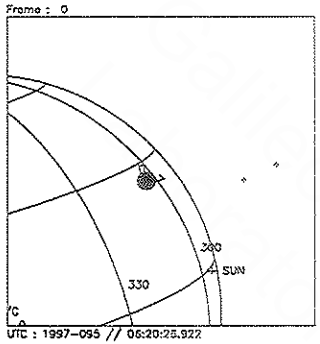
:PH:/DATA/NAVIO/T-961231-TOUR.NS

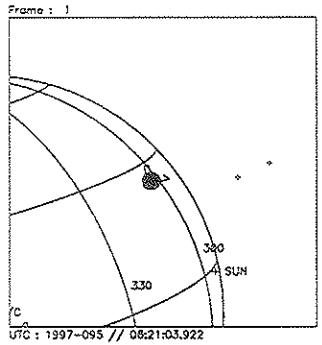
ERIAPSIS:

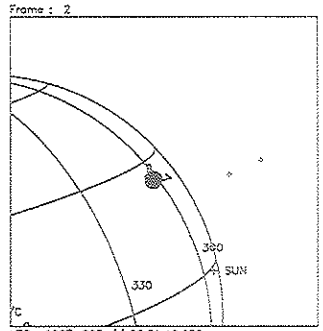
THINNING:NIM 2 :UVS 1

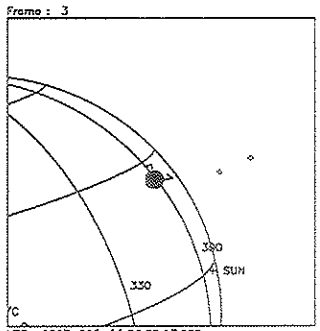
TART:GTE 97-095/07:11:05.066 -CDS 47:00:0

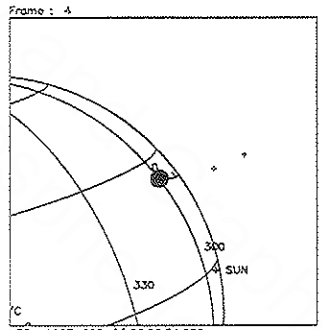
BODY PLOT TIME:TARGET-TIME D= 854 S= 4.000

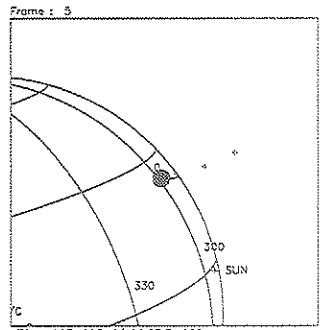


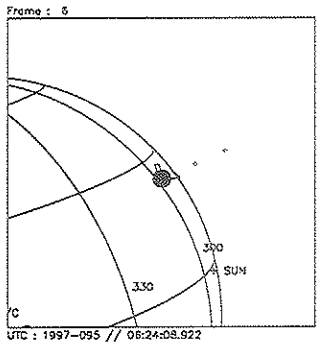


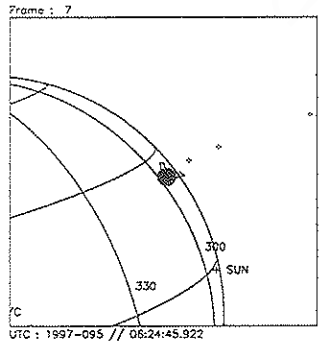


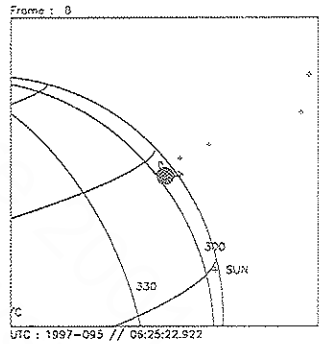












Start UTC_TIME : 1997-095 // 06:20:26.922
End UTC_TIME : 1997-095 // 06:25:30.255
Start SCLK : 1/03899219:00:0:0
Delta Time between FOV : 37.00000
FOVs : F Channel(0.1x0.4)

Target Body : GANYMEDE
Target Cone/Clock : 102.15/ 84.65 Deg
S/C to Body Center : 25535.56 Km (9.6945946 Rg)
Z-axis Pointing (Ra / Dec) : 136.90 / 15.10 Deg