Activity ID: Orbit E4 **OAPEL** IUPHAS67 **SeqNo** 01-

Title UVS IO PHASE (~67 deg) **Instrument** UVS

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

Time System CDS **Load ID** E4A **Calendar Date** 12/17/96 **Week** 51

Start	JEE-CDS 00002485:00:0	96-352/09:30:52.000	JEE-001/17:52:36.666
End	JEE-CDS 00002451:00:0	96-352/10:05:14.666	JEE-001/17:18:14.000
Duration	00000034:00:0	000/00:34:22.666	000/00:34:22.666

Top Label E4IUPHAS6701-

Bottom Label (real-time)

Plot Key	UVS	**Type**	SCI		
CDS Bytes	206	**Report Options**	BOTH	**Scan Platform**	Yes
CDS Source	OAP	**Spin State**	DUAL	**DMS**	No

Observation Objective

Observe Io in the 1600Å to 3200Å wavelength regions at phase angles not obtainable from the Earth to supplement and complement the NIMS surface property measurements.

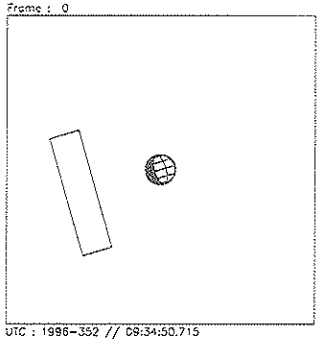
1 scan-platform drift across Io in real-time at ~67° phase (~335 longitude ; 15 RIM 3-sigma drift rate) using the UVS 10bps RTS rate. The drift will include 15 RIMs HV On / 15 RIM HV Off for PWS time sharing.

UVS Configuration = F/F Full Scans

Design Detail

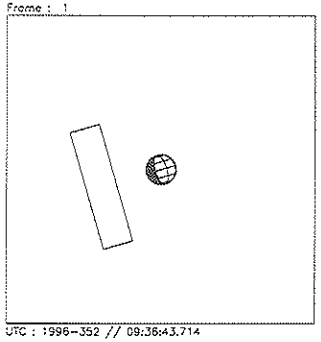
```
CDS RIM Command Parameters                                  PSID
--- --- -------- ----------                                  ----
28  003+UVFLUSH DISCRD,UVS                                  (CI)
38  003 CMDRS                                               (CE)
    004     1   34UVS,07,S,N,N,N,S,0,  ON,OFF,  ON,  ON,OFF,NOOVR,1,00,9C,00,00
    019     16  34UVS,C1,F,N,N,N,S,0,OFF,OFF,  ON,OFF,OFF,NOOVR,1,2C,05,00,00
36  004 TARGET  (4 RIM Posn_slew)                           (CI)
28  018+UVFLUSH PACKET,UVS                                  (BU)
28  032+UVFLUSH PACKET,UVS                                  (BU)
```

Frame : 0



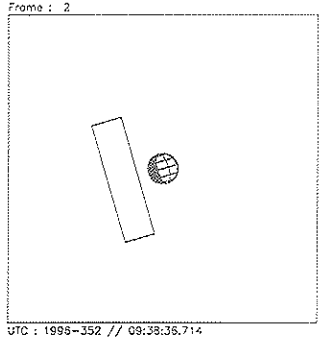
UTC : 1996-352 // 09:34:50.715
SCLK: 1/03744176:00:0:0

Frame : 1



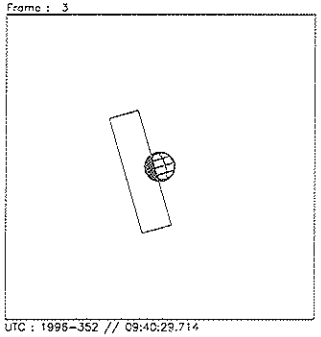
UTC : 1996-352 // 09:36:43.714
SCLK: 1/03744177:78:5:0

Frame : 2



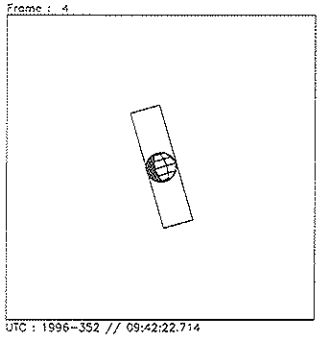
UTC : 1996-352 // 09:38:36.714
SCLK: 1/03744179:66:0:0

Frame : 3



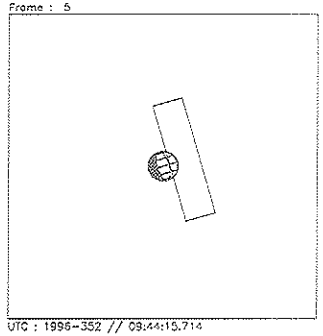
UTC : 1996-352 // 09:40:29.714
SCLK: 1/03744181:53:5:0

Frame : 4



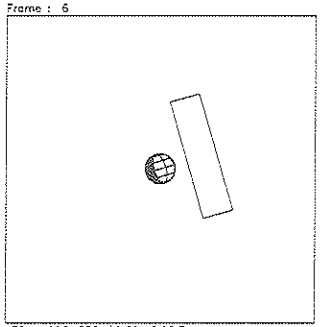
UTC : 1996-352 // 09:42:22.714
SCLK: 1/03744183:41:0:0

Frame : 5



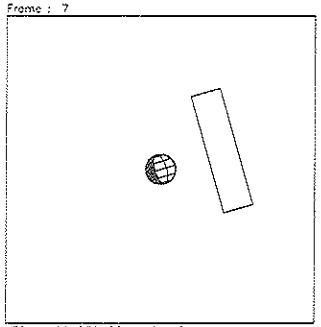
UTC : 1996-352 // 09:44:15.714
SCLK: 1/03744185:28:5:0

Frame : 6



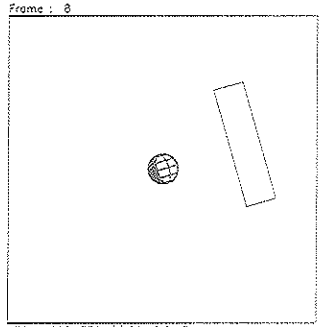
UTC : 1996-352 // 09:46:08.714
SCLK: 1/03744187:16:0:0

Frame : 7



UTC : 1996-352 // 09:48:01.714
SCLK: 1/03744189:03:5:0

Frame : 8



UTC : 1996-352 // 09:49:54.714
SCLK: 1/03744190:82:0:0

Start UTC_TIME : 1996-352 // 09:34:50.715
No End Time :
Start SCLK : 1/03744176:00:0:0

Target Body : 10
Target Cone/Clock : 121.27/ 89.19 Deg
S/C to Body Center : 2087936. Km (1144.4823 Ri)
Z-axis Pointing (Ra / Dec) : 109.00 / 23.40 Deg

Activity ID: Orbit E4 **OAPEL** GUPHAS86 **SeqNo** 01-

Title UVS GANYMEDE PHASE (~86 deg) **Instrument** UVS

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

Time System CDS **Load ID** E4A **Calendar Date** 12/17/96 **Week** 51

Start	JEE-CDS 00002396:00:0	96-352/11:00:51.333	JEE-001/16:22:37.333
End	JEE-CDS 00002362:00:0	96-352/11:35:14.000	JEE-001/15:48:14.666
Duration	00000034:00:0	000/00:34:22.667	000/00:34:22.667

Top Label E4GUPHAS8601-

Bottom Label (real-time)

Plot Key	UVS	**Type**	SCI		
CDS Bytes	206	**Report Options**	BOTH	**Scan Platform**	Yes
CDS Source	OAP	**Spin State**	DUAL	**DMS**	No

Observation Objective

Observe Ganymede in the 1600Å to 3200Å wavelength regions at phase angles not obtainable from the Earth to supplement and complement the NIMS surface property measurements.

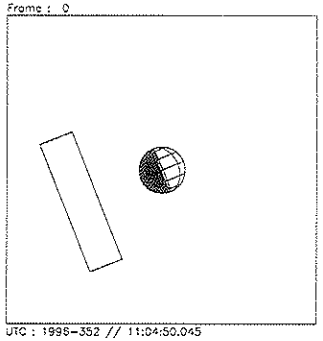
1 scan-platform drift across Ganymede in real-time at ~86° phase (~315 longitude ; 30 RIM 3-sigma drift rate) using the UVS 10bps RTS rate. The drift will include 29 RIMs HV On / 1 RIM HV Off for PWS time sharing.

UVS Configuration = F/F Full Scans

Design Detail

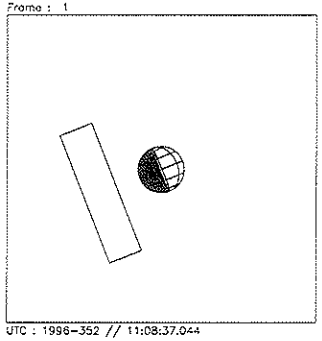
```
CDS  RIM  Command  Parameters                                  PSID
---  ---  -------  ----------                                  ----
28   003+UVFLUSH  DISCRD,UVS                                  (CJ)
38   003  CMDRS                                               (CF)
     004      1   34UVS,07,S,N,N,N,S,0,  ON,OFF,  ON,  ON,OFF,NOOVR,1,00,9C,00,00
     034     31   34UVS,C1,F,N,N,N,S,0,OFF,OFF,  ON,OFF,OFF,NOOVR,1,2C,05,00,00
36   004  TARGET   (4 RIM Posn_slew)                          (CJ)
28   033+UVFLUSH  PACKET,UVS                                  (BV)
```

Frame : 0



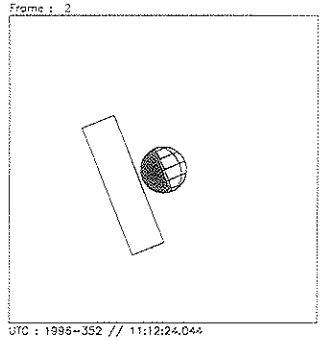
UTC : 1996-352 // 11:04:50.045
SCLK: 1/03744265:00:0:0

Frame : 1



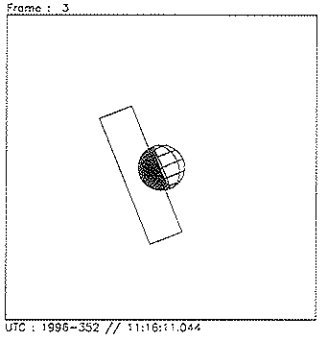
UTC : 1996-352 // 11:08:37.044
SCLK: 1/03744268:67:5:0

Frame : 2



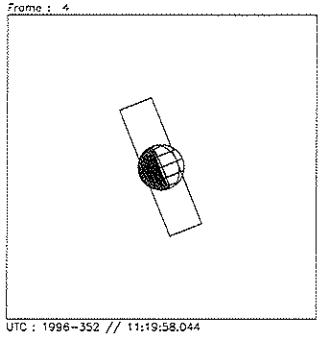
UTC : 1996-352 // 11:12:24.044
SCLK: 1/03744272:44:0:0

Frame : 3



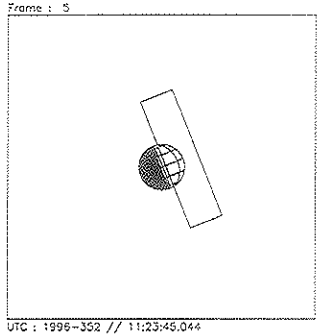
UTC : 1996-352 // 11:16:11.044
SCLK: 1/03744276:20:5:0

Frame : 4



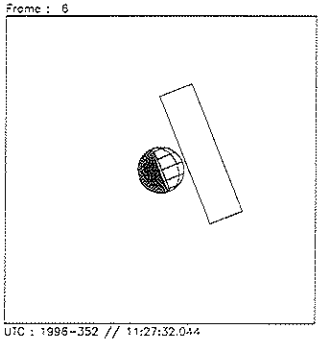
UTC : 1996-352 // 11:19:58.044
SCLK: 1/03744279:88:0:0

Frame : 5



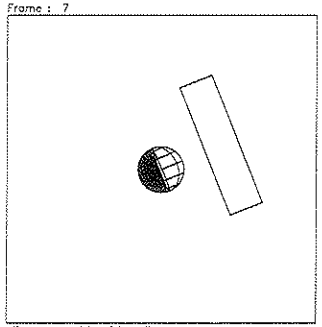
UTC : 1996-352 // 11:23:45.044
SCLK: 1/03744283:64:5:0

Frame : 6



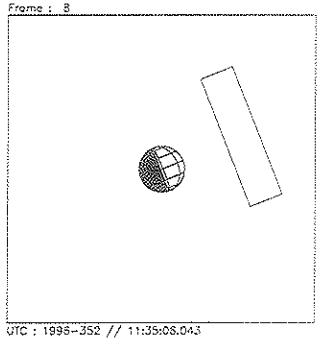
UTC : 1996-352 // 11:27:32.044
SCLK: 1/03744287:41:0:0

Frame : 7



UTC : 1996-352 // 11:31:19.044
SCLK: 1/03744291:17:5:0

Frame : 8



UTC : 1996-352 // 11:35:08.043
SCLK: 1/03744294:85:0:0

Start UTC_TIME : 1996-352 // 11:04:50.045
No End Time :
Start SCLK : 1/03744265:00:0:0

Target Body : GANYMEDE
Target Cone/Clock : 101.70/ 89.50 Deg
S/C to Body Center : 2258343. Km (857.38152 Rg)
Z-axis Pointing (Ra / Dec) : 109.00 / 23.40 Deg

Activity ID: Orbit E4 **OAPEL** IUIECLPS **SeqNo** 03-

Title UVS IO ECLIPSE (BEFORE INGRESS) **Instrument** UVS

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

Time System CDS **Load ID** E4A **Calendar Date** 12/17/96 **Week** 51

Start	IEE-CDS 00001597:00:0	96-352/18:41:55.400	IEE-001/02:54:44.666
End	IEE-CDS 00001579:00:0	96-352/19:00:07.400	IEE-001/02:36:32.666
Duration	00000018:00:0	000/00:18:12.000	000/00:18:12.000

Top Label E4IUIECLPS03-

Bottom Label (real-time)

Plot Key	UVS	**Type**	SCI		
CDS Bytes	206	**Report Options**	BOTH	**Scan Platform**	Yes
CDS Source	OAP	**Spin State**	DUAL	**DMS**	No

Observation Objective

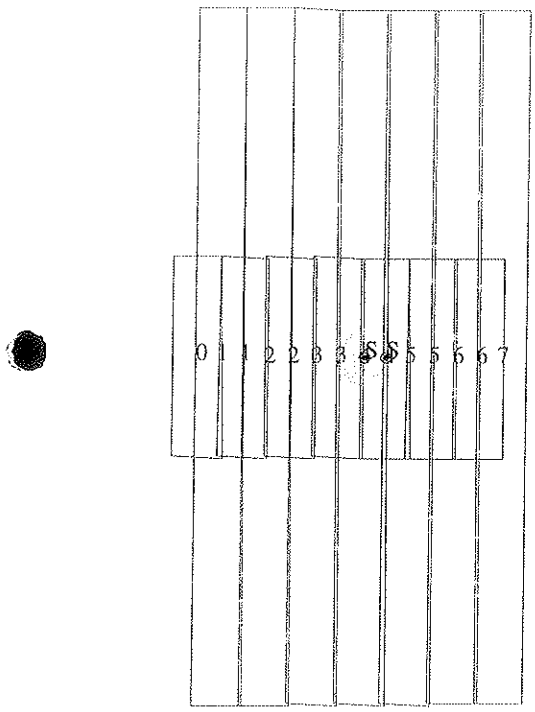
UVS real-time Io Eclipse observation. Characterize the change in the lower atmospheric UV airglow emissions as Io enters and exits eclipse. Determine if the source of the change is due to: 1) a change in the lower atmospheric composition as it cools (ie. SO2 condensation); or 2) a potential change in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

E4IUIECLPS03- = Io eclipse before ingress measurment. 1 scan-platform drift across Io in real-time (14 RIM 3-sigma drift rate) using the UVS 10 bps RTS rate. This drift will be done prior to eclipse ingress and will include 14 RIMs HV On / 16 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                                  (CK)
38  002 CMDRS                                               (CG)
    003     1   34UVS,07,S,N,N,N,S,0, ON,OFF, ON, ON,OFF,NOOVR,1,00,9C,01,2C
    017     15  34UVS,C1,F,N,N,N,S,0,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00
36  003 TARGET  (3 RIM Posn_slew)                           (CK)
28  016+UVFLUSH PACKET,UVS                                  (CL)
```



165CK:TT= 0 TMC= 1 C= 5.93 XC= -0.10 BS= 0/8080 TC= 9
A= 546 pD= 0 SR=17.430 RA50=250.78 DEC50=-24.28 cone=145.14 clock= 88.87

DESIGN G2.0 jaiel:10/ 2/1996 10: 6:53

FILE:P.E4IUIECLPS03

TARGET BODY : IO

MINI:m.E4IUIECLPS03

S 'H:/DATA/NAVIO/T-960909-TOUR.NS

PERIAPSIS:

THINNING: :UVS 1

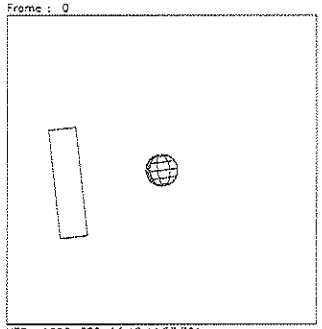
START:IEE 96-353/21:36:40.952 -CDS 1594:00:0

BODY PLOT TIME:TARGET-TIME D= 0 S= 0.040

OBSERVATION:E4IUIECLPS03

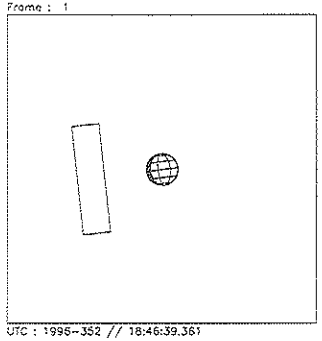
DESCRIP:E4 UVS Io Eclipse - b.i.

Frame : 0



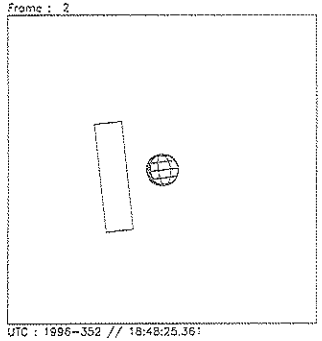
UTC : 1996-352 // 18:44:53.361
SCLK: 1/03744720:00:0:0

Frame : 1



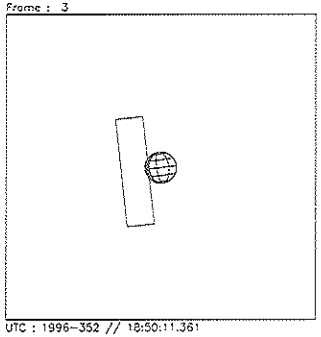
UTC : 1996-352 // 18:46:39.361
SCLK: 1/03744721:68:0:0

Frame : 2



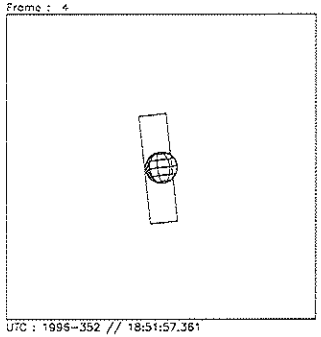
UTC : 1996-352 // 18:48:25.361
SCLK: 1/03744723:45:0:0

Frame : 3



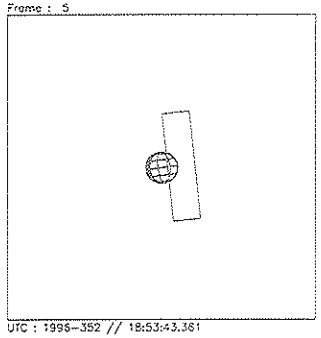
UTC : 1996-352 // 18:50:11.361
SCLK: 1/03744725:22:0:0

Frame : 4



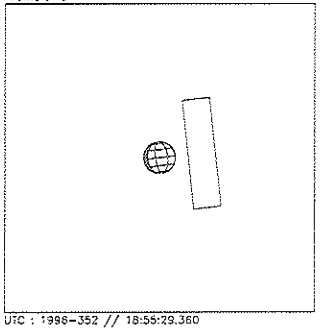
UTC : 1996-352 // 18:51:57.361
SCLK: 1/03744726:90:0:0

Frame : 5



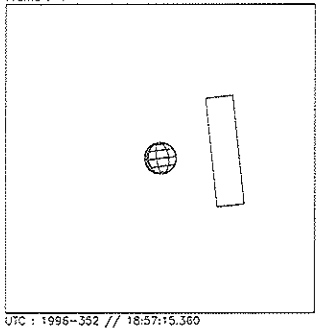
UTC : 1996-352 // 18:53:43.361
SCLK: 1/03744728:67:0:0

Frame : 6



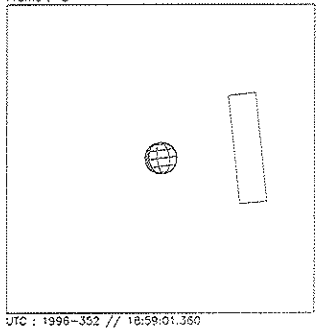
UTC : 1996-352 // 18:55:29.360
SCLK: 1/03744730:44:0:0

Frame : 7



UTC : 1996-352 // 18:57:15.360
SCLK: 1/03744732:21:0:0

Frame : 8



UTC : 1996-352 // 18:59:01.360
SCLK: 1/03744733:89:0:0

Start UTC_TIME : 1996-352 // 18:44:53.361
No End Time :
Start SCLK : 1/03744720:00:0:0

Target Body : IO
Target Cone/Clock : 144.80/ 88.88 Deg
S/C to Body Center : 1797381. Km (985.21731 Ri)
Z-axis Pointing (Ra / Dec) : 109.00 / 23.40 Deg

Activity ID:	Orbit E4	OAPEL IUIECLPS		**SeqNo**	04-
Title	UVS IO ECLIPSE (AFTER INGRESS)			**Instrument**	UVS
Requestor	UVS-SWG/K.NAVIAUX 37740	**Team**	UVS	**Working Group**	SWG

Time System	CDS	**Load ID**	E4A	**Calendar Date**	12/17/96 Week 51
Start	IEE-CDS 00001553:00:0	96-352/19:26:24.733		IEE-001/02:10:15.333	
End	IEE-CDS 00001535:00:0	96-352/19:44:36.733		IEE-001/01:52:03.333	
Duration	00000018:00:0	000/00:18:12.000		000/00:18:12.000	

Top Label	E4IUIECLPS04-				
Bottom Label	(real-time)				
Plot Key	UVS	**Type**	SCI		
CDS Bytes	206	**Report Options**	BOTH	**Scan Platform**	Yes
CDS Source	OAP	**Spin State**	DUAL	**DMS**	No

Observation Objective

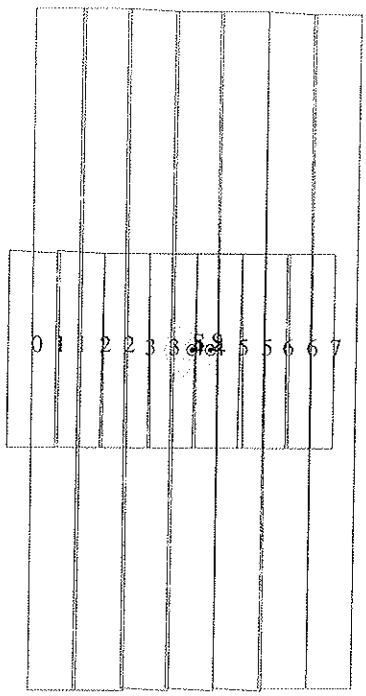
UVS real-time Io Eclipse observation. Characterize the change in the lower atmospheric UV airglow emissions as Io enters and exits eclipse. Determine if the source of the change is due to: 1) a change in the lower atmospheric composition as it cools (ie. SO2 condensation); or 2) a potential change in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

E4IUIECLPS04- = Io eclipse after ingress measurment. 1 scan-platform drift across Io in real-time (14 RIM 3-sigma drift rate) using the UVS 10 bps RTS rate. This drift will be done after eclipse ingress and will include 14 RIMs HV On / 16 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                                  (CM)
38  002 CMDRS                                               (CH)
    003     1   34UVS,07,S,N,N,N,S,0,  ON,OFF,  ON,  ON,OFF,NOOVR,1,00,9C,01,2C
    017    15   34UVS,C1,F,N,N,N,S,0,OFF,OFF,  ON,OFF,OFF,NOOVR,1,2C,05,00,00
36  003 TARGET  (3 RIM Posn_slew)                           (CL)
28  016+UVFLUSH PACKET,UVS                                  (CN)
```



165CL:TT= 0 TMC= 1 C= 5.76 XC= -0.10 BS= 0/6088 TC= 9
A= 546 pD= 0 SR=17.430 RA50=253.06 DEC50=-24.52 cone=147.23 clock= 88.83

DESIGN G2.0 jaiel:10/ 2/1996 10: 8: 5

FILE:P.E4IUIECLPS04

TARGET BODY : IO

MINI:m.E4IUIECLPS04

S H:/DATA/NAVIO/T-960909-TOUR.NS

PERIAPSIS:

START:IEE 96-353/21:36:40.952 -CDS 1550:00:0

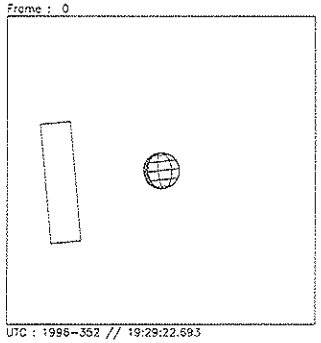
OBSERVATION:E4IUIECLPS04

THINNING: :UVS 1

BODY PLOT TIME:TARGET-TIME D= 0 S= 0.040

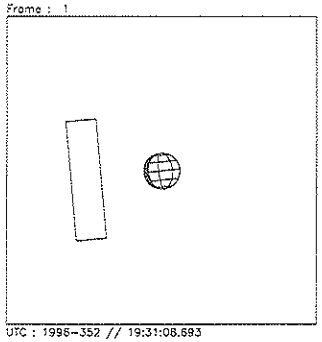
DESCRIP:E4 UVS Io Eclipse - a.i

Frame : 0



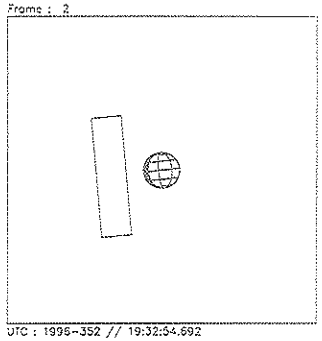
UTC : 1996-352 // 19:29:22.693
SCLK: 1/03744764:00:0:0

Frame : 1



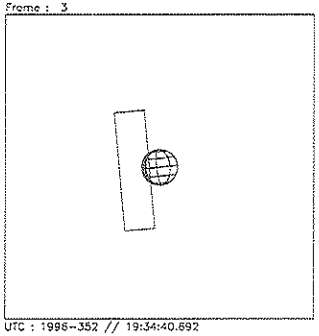
UTC : 1996-352 // 19:31:08.693
SCLK: 1/03744765:68:0:0

Frame : 2



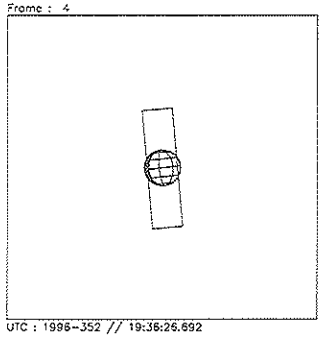
UTC : 1996-352 // 19:32:54.692
SCLK: 1/03744767:45:0:0

Frame : 3



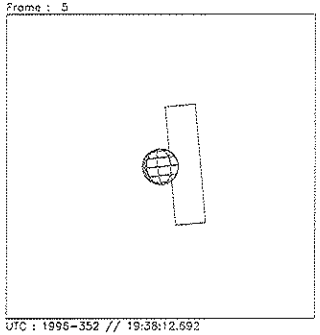
UTC : 1996-352 // 19:34:40.692
SCLK: 1/03744769:22:0:0

Frame : 4



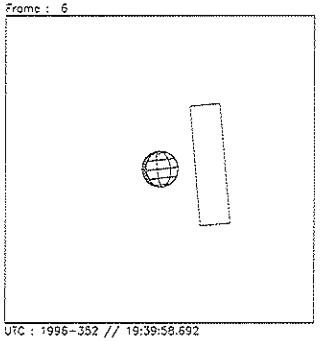
UTC : 1996-352 // 19:36:26.692
SCLK: 1/03744770:90:0:0

Frame : 5



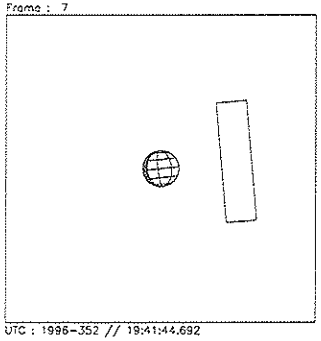
UTC : 1996-352 // 19:38:12.692
SCLK: 1/03744772:67:0:0

Frame : 6



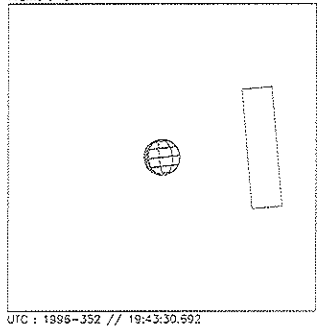
UTC : 1996-352 // 19:39:58.692
SCLK: 1/03744774:44:0:0

Frame : 7



UTC : 1996-352 // 19:41:44.692
SCLK: 1/03744776:21:0:0

Frame : 8



UTC : 1996-352 // 19:43:30.692
SCLK: 1/03744777:89:0:0

Start UTC_TIME : 1996-352 // 19:29:22.693
No End Time :
Start SCLK : 1/03744764:00:0:0

Target Body : IO
Target Cone/Clock : 146.89/ 88.85 Deg
S/C to Body Center : 1754768. Km (961.85910 Ri)
Z-axis Pointing (Ra / Dec) : 109.00 / 23.40 Deg

Activity ID: Orbit E4 **OAPEL** IUIECLPS **SeqNo** 05-

Title UVS IO ECLIPSE (BEFORE EGRESS) **Instrument** UVS

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

Time System CDS **Load ID** E4A **Calendar Date** 12/17/96 **Week** 51

Start	IEE-CDS 00001461:00:0	96-352/20:59:26.066	IEE-001/00:37:14.000
End	IEE-CDS 00001443:00:0	96-352/21:17:38.066	IEE-001/00:19:02.000
Duration	00000018:00:0	000/00:18:12.000	000/00:18:12.000

Top Label E4IUIECLPS05-

Bottom Label (real-time)

Plot Key	UVS	**Type**	SCI		
CDS Bytes	206	**Report Options**	BOTH	**Scan Platform**	Yes
CDS Source	OAP	**Spin State**	DUAL	**DMS**	No

Observation Objective

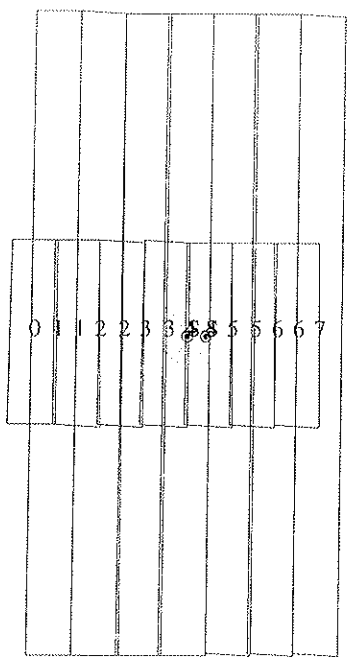
UVS real-time Io Eclipse observation. Characterize the change in the lower atmospheric UV airglow emissions as Io enters and exits eclipse. Determine if the source of the change is due to: 1) a change in the lower atmospheric composition as it cools (ie. SO2 condensation); or 2) a potential change in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

E4IUIECLPS05- = Io eclipse before egress measurment. 1 scan-platform drift across Io in real-time (14 RIM 3-sigma drift rate) using the UVS 10 bps RTS rate. This drift will be done prior to eclipse egress and will include 14 RIMs HV On / 16 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                                  (CO)
38  002 CMDRS                                               (CI)
    003     1   34UVS,07,S,N,N,N,S,0, ON,OFF, ON, ON,OFF,NOOVR,1,00,9C,01,2C
    017     15  34UVS,C1,F,N,N,N,S,0,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00
36  003 TARGET  (3 RIM Posn_slew)                           (CM)
28  016+UVFLUSH PACKET,UVS                                  (CP)
```



165CM:TT= 0 TMC= 1 C= 5.93 XC= 0.00 BS= 0/2832 TC= 9
A= 546 pD= 0 SR=17.430 RA50=257.92 DEC50=-24.91 cone=151.66 clock= 88.76

DESIGN G2.0 jaiel:10/ 2/1996 10: 9:12

FILE:P.E4IUIECLPS05

TARGET BODY : IO

MINI:m.E4IUIECLPS05

S PH:/DATA/NAVIO/T-960909-TOUR.NS

PERIAPSIS:

THINNING: :UVS 1

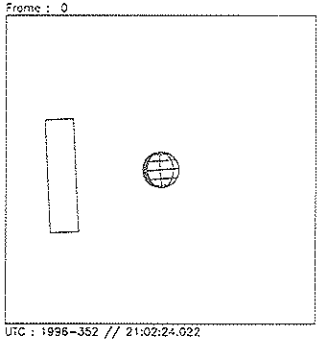
START:IEE 96-353/21:36:40.952 -CDS 1458:00:0

BODY PLOT TIME:TARGET-TIME D= 0 S= 0.040

OBSERVATION:E4IUIECLPS05

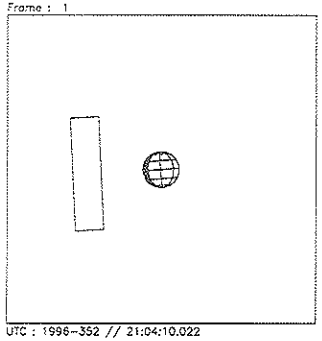
DESCRIP:E4 UVS Io Eclipse - b.e

Frame : 0



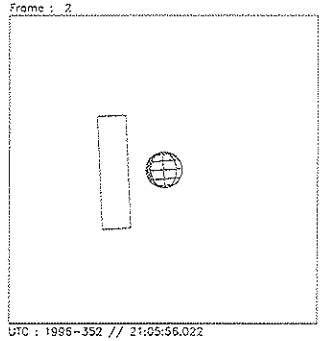
UTC : 1996-352 // 21:02:24.022
SCLK: 1/03744856:00:0:0

Frame : 1



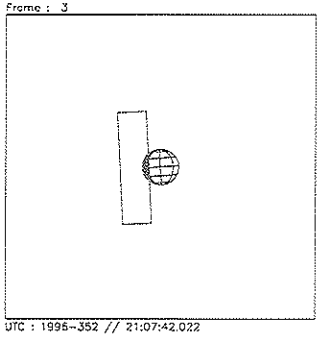
UTC : 1996-352 // 21:04:10.022
SCLK: 1/03744857:68:0:0

Frame : 2



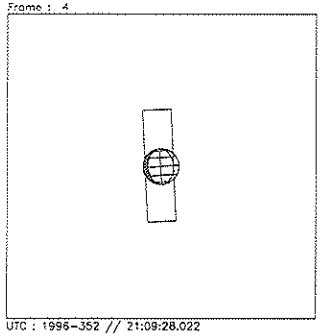
UTC : 1996-352 // 21:05:56.022
SCLK: 1/03744859:45:0:0

Frame : 3



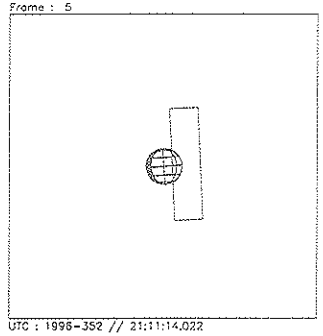
UTC : 1996-352 // 21:07:42.022
SCLK: 1/03744861:22:0:0

Frame : 4



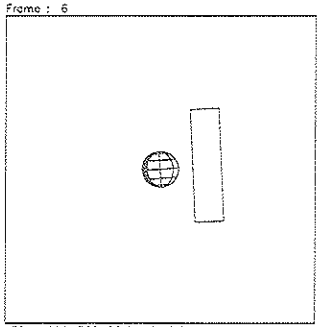
UTC : 1996-352 // 21:09:28.022
SCLK: 1/03744862:90:0:0

Frame : 5



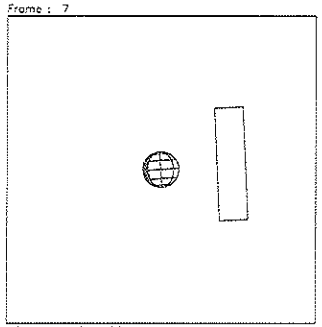
UTC : 1996-352 // 21:11:14.022
SCLK: 1/03744864:67:0:0

Frame : 6



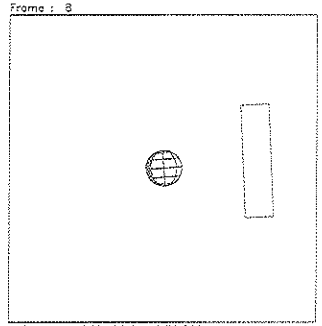
UTC : 1996-352 // 21:13:00.022
SCLK: 1/03744866:44:0:0

Frame : 7



UTC : 1996-352 // 21:14:46.022
SCLK: 1/03744868:21:0:0

Frame : 8



UTC : 1996-352 // 21:16:32.022
SCLK: 1/03744869:89:0:0

Start UTC_TIME : 1996-352 // 21:02:24.022
No End Time :
Start SCLK : 1/03744856:00:0:0

Target Body : IO
Target Cone/Clock : 151.32/ 88.76 Deg
S/C to Body Center : 1658655. Km (909.17586 Ri)
Z-axis Pointing (Ra / Dec) : 109.00 / 23.40 Deg

Activity ID:	**Orbit** E4	**OAPEL** IUIECLPS		**SeqNo** 06-	
Title	UVS IO ECLIPSE (AFTER EGRESS)			**Instrument**	UVS
Requestor	UVS-SWG/K.NAVIAUX 37740	**Team**	UVS	**Working Group**	SWG

Time System	CDS	**Load ID**	E4A	**Calendar Date**	12/17/96 Week 51
Start	IEE-CDS 00001417:00:0	96-352/21:43:55.400		IEE-000/23:52:44.666	
End	IEE-CDS 00001399:00:0	96-352/22:02:07.400		IEE-000/23:34:32.666	
Duration	00000018:00:0	000/00:18:12.000		000/00:18:12.000	

Top Label	E4IUIECLPS06-				
Bottom Label	(real-time)				
Plot Key	UVS	**Type**	SCI		
CDS Bytes	206	**Report Options**	BOTH	**Scan Platform**	Yes
CDS Source	OAP	**Spin State**	DUAL	**DMS**	No

Observation Objective

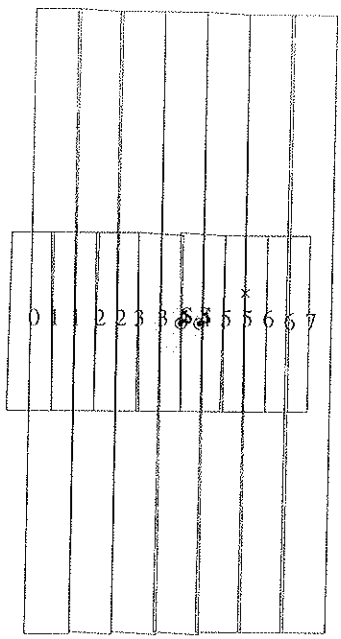
UVS real-time Io Eclipse observation. Characterize the change in the lower atmospheric UV airglow emissions as Io enters and exits eclipse. Determine if the source of the change is due to: 1) a change in the lower atmospheric composition as it cools (ie. SO2 condensation); or 2) a potential change in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

E4IUIECLPS06- = Io eclipse after egress measurment. 1 scan-platform drift across Io in real-time (14 RIM 3-sigma drift rate) using the UVS 10 bps RTS rate. This drift will be done after eclipse egress and will include 14 RIMs HV On / 16 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                          (CQ)
38  002 CMDRS                                       (CJ)
    003     1   34UVS,07,S,N,N,N,S,0,  ON,OFF,  ON,  ON,OFF,NOOVR,1,00,9C,01,2C
    017     15  34UVS,C1,F,N,N,N,S,0,OFF,OFF,  ON,OFF,OFF,NOOVR,1,2C,05,00,00
36  003 TARGET  (3 RIM Posn_slew)                   (CN)
28  016+UVFLUSH PACKET,UVS                          (CR)
```



165CN:TT= 0 TMC= 1 C= 5.93 XC= -0.08 BS= 0/0840 TC= 9
A= 546 pD= 0 SR=17.430 RA50=260.27 DEC50=-25.05 cone=153.79 clock= 88.70

DESIGN G2.0 jaiel:10/ 2/1996 10:10:11

FILE:P.E4IUIECLPS06

TARGET BODY : IO

MINI:m.E4IUIECLPS06

S H:/DATA/NAVIO/T-960909-TOUR.NS

PERIAPSIS:

THINNING: :UVS 1

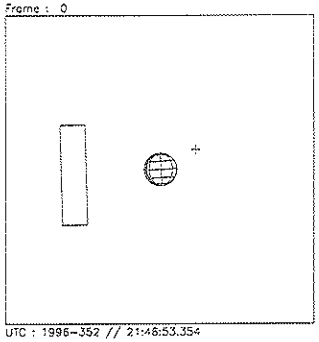
START:IEE 96-353/21:36:40.952 -CDS 1414:00:0

BODY PLOT TIME:TARGET-TIME D= 0 S= 0.040

OBSERVATION:E4IUIECLPS06

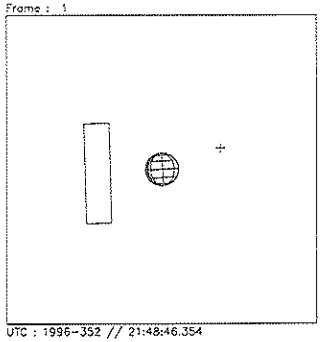
DESCRIP:E4 UVS Io Eclipse - a.e.

Frame : 0



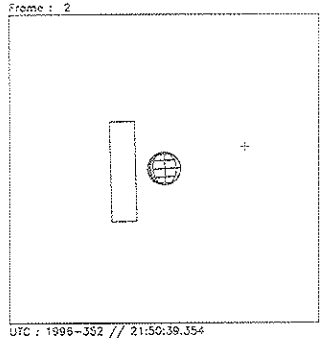
UTC : 1996-352 // 21:46:53.354
SCLK: 1/03744900:00:0:0

Frame : 1



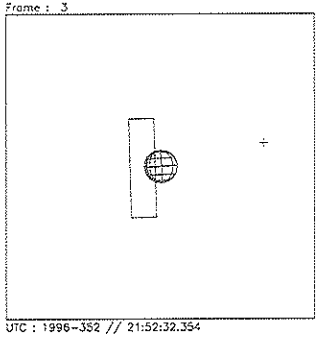
UTC : 1996-352 // 21:48:46.354
SCLK: 1/03744901:78:5:0

Frame : 2



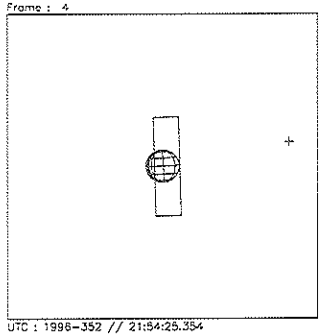
UTC : 1996-352 // 21:50:39.354
SCLK: 1/03744903:66:0:0

Frame : 3



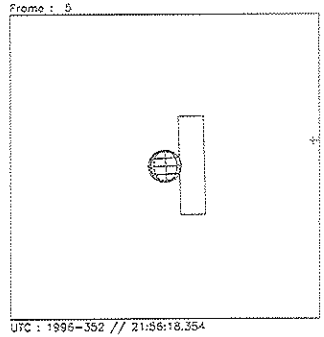
UTC : 1996-352 // 21:52:32.354
SCLK: 1/03744905:53:5:0

Frame : 4



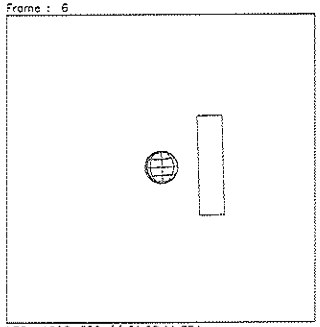
UTC : 1996-352 // 21:54:25.354
SCLK: 1/03744907:41:0:0

Frame : 5



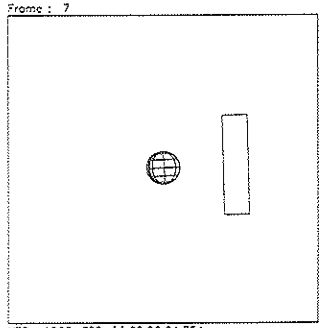
UTC : 1996-352 // 21:56:18.354
SCLK: 1/03744909:28:5:0

Frame : 6



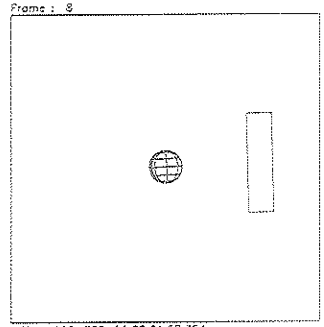
UTC : 1996-352 // 21:58:11.354
SCLK: 1/03744911:16:0:0

Frame : 7



UTC : 1996-352 // 22:00:04.354
SCLK: 1/03744913:03:5:0

Frame : 8



UTC : 1996-352 // 22:01:57.354
SCLK: 1/03744914:82:0:0

Start UTC_TIME : 1996-352 // 21:46:53.354
No End Time :
Start SCLK : 1/03744900:00:0:0

Target Body : IO
Target Cone/Clock : 153.45/ 88.72 Deg
S/C to Body Center : 1609710. Km (882.34723 Ri)
Z-axis Pointing (Ra / Dec) : 109.00 / 23.40 Deg

Activity ID:	Orbit E4	OAPEL IUCHEMIS		**SeqNo**	01+
Title	UVS R/A W/ NIMS IO CHEMIS			**Instrument**	UVS
Requestor	UVS-SWG/K.NAVIAUX 37740	**Team**	UVS	**Working Group**	SWG

Time System	CDS	**Load ID**	E4A	**Calendar Date**	12/18/96 Week 51
Start	IEE-CDS 00000953:00:0	96-353/05:33:04.733		IEE-000/16:03:35.333	
End	IEE-CDS 00000945:00:0	96-353/05:41:10.066		IEE-000/15:55:30.000	
Duration	00000008:00:0	000/00:08:05.333		000/00:08:05.333	

Top Label	E4IUCHEMIS01+				
Bottom Label	(real-time)				
Plot Key	UVS	**Type**	SCI		
CDS Bytes	170	**Report Options**	BOTH	**Scan Platform**	No
CDS Source	OAP	**Spin State**	DUAL	**DMS**	No

Observation Objective

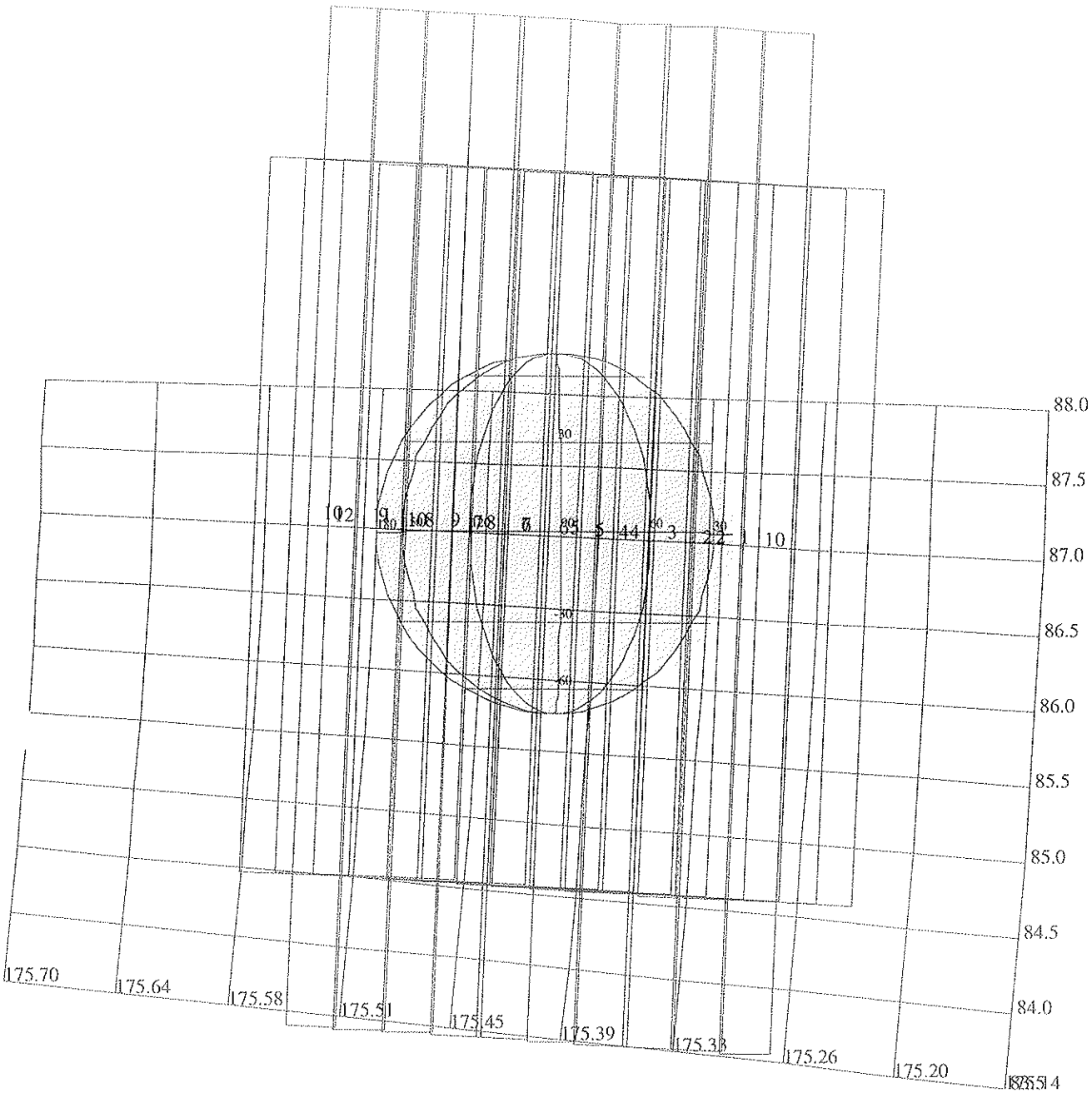
Ride-along with the NIMS Io Chemis observation to observe Io in the 1600Å to 3200Å wavelength regions at phase angles not obtainable from the Earth. Data will supplement and complement the NIMS surface property measurements.

1 scan-platform slew across Io in real-time at ~75° phase (~245-335 longitude) using the UVS 10bps RTS rate.

UVS Configuration = F/F Full Scans

Design Detail

```
CDS  RIM  Command  Parameters                          PSID
---  ---  -------  ----------                          ----
28   003+UVFLUSH  DISCRD,UVS                          (CS)
0         TARGET  (NIMS Target)
0         CSMOS   (NIMS Csmos)
38   003  CMDRS                                       (CK)
     004       1  34UVS,07,S,N,N,N,S,0, ON,OFF, ON, ON,OFF,NOOVR,1,00,9C,00,00
     007       4  34UVS,C1,F,N,N,N,S,0,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00
28   006+UVFLUSH  PACKET,UVS                          (CT)
```



165DT:TT= 0 TMC= 1 C= -2.20 XC= 0.00 BS= 0/5470 TC= 3
A= 728 pD= 0 SR=17.450 RA50=283.93 DEC50=-24.23 cone=175.29 clock= 87.04
117DT:#SB= 1 OR= 0.040 RR=12.000 BM=F RC= 1 BS= 0/5470
1:#s= 1 Cs= 6.40 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 484 rD= 2

DESIGN G2.0 jaiel:10/ 2/1996 10: 5:19

FILE:P.E4INCHEMIS01

TARGET BODY : IO

MINI:m.E4INCHEMIS01

S 'H:/DATA/NAVIO/T-960909-TOUR.NS

PERIAPSIS:

START:IEE 96-353/21:36:40.952 -CDS 949:00:0

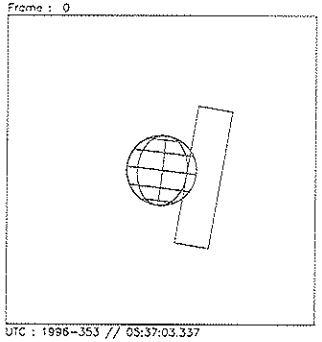
OBSERVATION:E4INCHEMIS01

THINNING:NIM 2 :UVS 1

BODY PLOT TIME:TARGET-TIME D= 0 S= 0.300

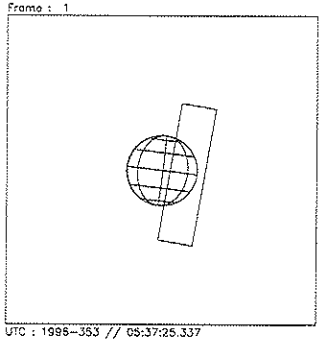
DESCRIP:IO DAYSIDE

Frame : 0



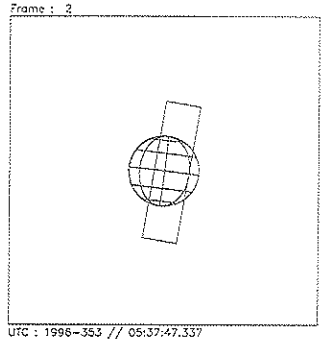
UTC : 1996-353 // 05:37:03.337
SCLK: 1/03745365:00:0:0

Frame : 1



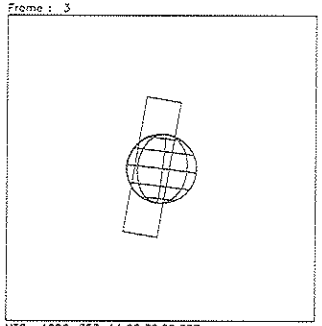
UTC : 1996-353 // 05:37:25.337
SCLK: 1/03745366:33:0:0

Frame : 2



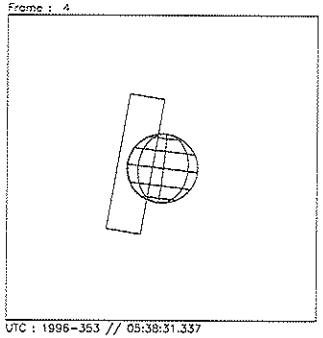
UTC : 1996-353 // 05:37:47.337
SCLK: 1/03745365:65:0:0

Frame : 3



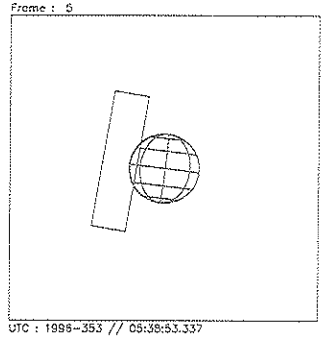
UTC : 1996-353 // 05:38:09.337
SCLK: 1/03745366:08:0:0

Frame : 4



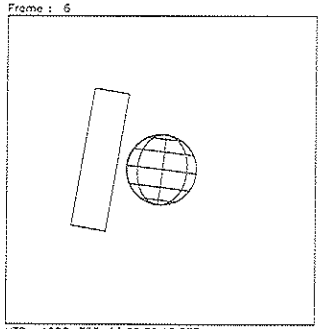
UTC : 1996-353 // 05:38:31.337
SCLK: 1/03745366:41:0:0

Frame : 5



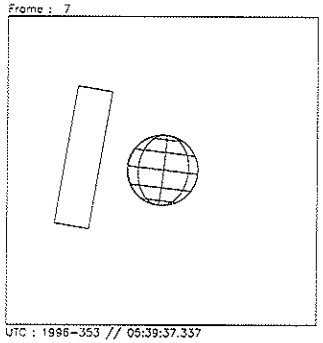
UTC : 1996-353 // 05:38:53.337
SCLK: 1/03745366:74:0:0

Frame : 6



UTC : 1996-353 // 05:39:15.337
SCLK: 1/03745367:16:0:0

Frame : 7



UTC : 1996-353 // 05:39:37.337
SCLK: 1/03745367:49:0:0

Start UTC_TIME : 1996-353 // 05:37:03.337
No End Time :
Start SCLK : 1/03745365:00:0:0

Target Body : IO
Target Cone/Clock : 175.41/ 87.05 Deg
S/C to Body Center : 1030316. Km (564.75759 Ri)
Z-axis Pointing (Ra / Dec) : 109.00 / 23.40 Deg

Activity ID: Orbit E4 **OAPEL** ENASTERI **SeqNo** 01+

Title Asteri Linea Global Ride-along **Instrument** UVS

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

Time System CDS **Load ID** **Calendar Date** 12/19/96 **Week** 51

Start	EEE-CDS 00000334:00:0	96-354/01:17:05.334	EEE-000/05:37:42.666
End	EEE-CDS 00000315:00:0	96-354/01:36:18.000	EEE-000/05:18:30.000
Duration	00000019:00:0	000/00:19:12.666	000/00:19:12.666

Top Label E4ASTERI 01+

Bottom Label

Plot Key	UVS	**Type**	SCI		
CDS Bytes	262	**Report Options**	BOTH	**Scan Platform**	No
CDS Source	OAP	**Spin State**	DUAL	**DMS**	No

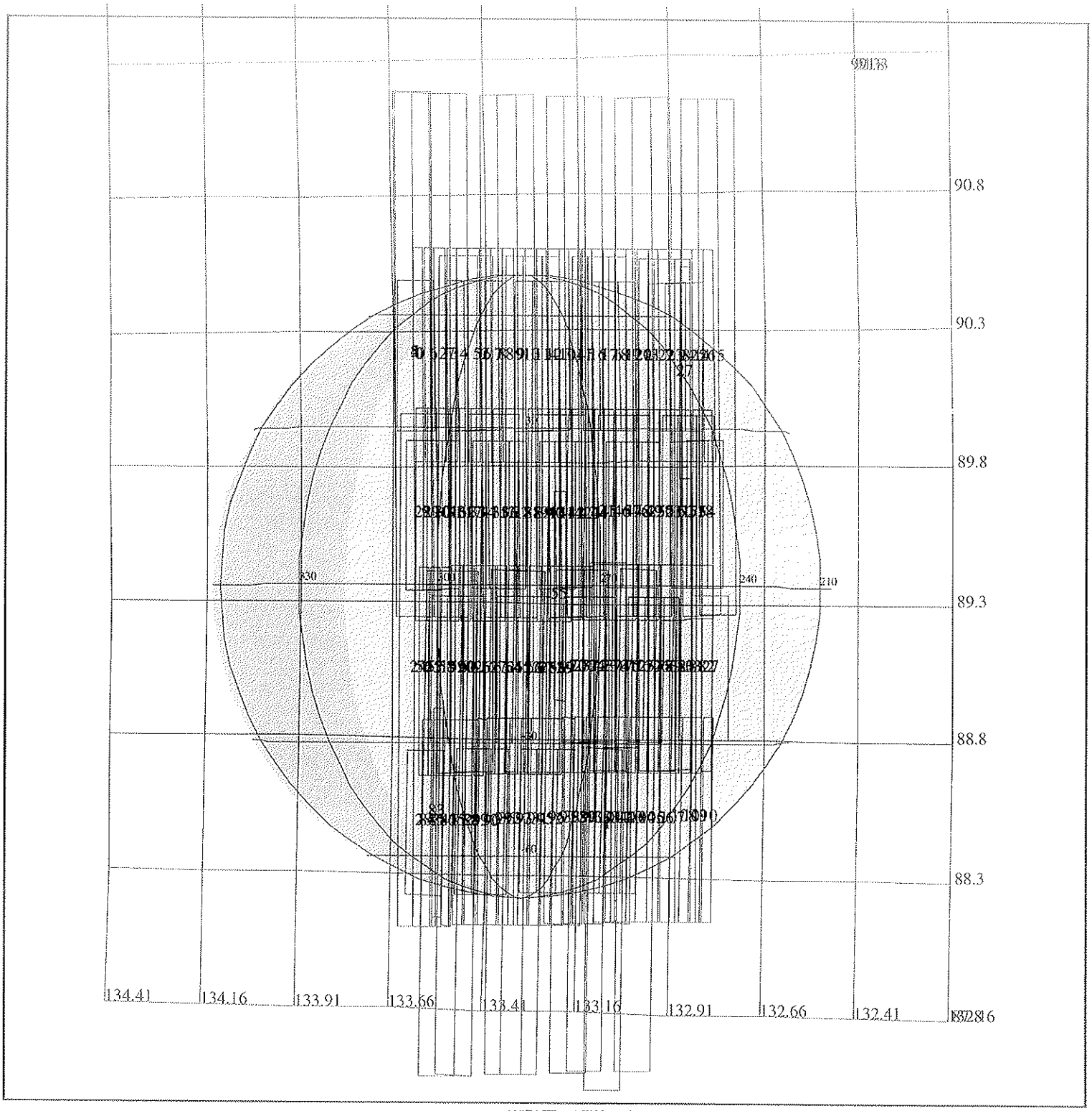
Observation Objective

Part of GLOBAL MOSAIC campaign of Europa which contains the longitude range 244-300 degrees and centers around Asteri Linea.
F/F full scans of 1 RIM duration centered as best as possible over 270 deg longitude:

EEE-CDS 330:00:0 TO 329:00:0
EEE-CDS 325:00:0 TO 324:00:0
EEE-CDS 321:00:0 TO 320:00:0
EEE-CDS 318:00:0 TO 317:00:0

Design Detail

```
CDS     RIM COMMAND  PARAMETERS
---     --- -------  ----------
28      002+UVFLUSH  DISCRD,UVS
66      003 CMDRS
        004      1   34UVS,07,S,N,N,N,S,0,  ON,OFF,ON,  ON,OFF,NOOVR,1,00,9C,00,00
        010      7   34UVS,C1,F,N,N,N,S,0,OFF,OFF,ON,OFF,OFF,NOOVR,1,2C,05,00,00
        013     10   34UVS,07,S,N,N,N,S,0,  ON,OFF,ON,  ON,OFF,NOOVR,1,00,9C,00,00
        017     14   34UVS,C1,F,N,N,N,S,0,OFF,OFF,ON,OFF,OFF,NOOVR,1,2C,05,00,00
28      004+UVFLUSH  PACKET,UVS
28      008+UVFLUSH  DISCRD,UVS
28      010+UVFLUSH  PACKET,UVS
28      013+UVFLUSH  PACKET,UVS
28      015+UVFLUSH  DISCRD,UVS
28      017+UVFLUSH  PACKET,UVS
```



165EJ:TT= 0 TMC= 1 C= 5.00 XC= 10.80 BS= 0/8410 TC= 3
A= 364 pD= 0 SR=17.450 RA50=238.57 DEC50=-21.52 cone=133.60 clock= 90.19
117EJ:#SB= 1 OR= 0.060 RR= 4.500 BM=F RC= 1 BS= 0/8410
1:#s= 4 Cs= -14.00 XCs= 0.00 Cr= 14.30 XCr= -7.40 sD= 704 rD= 20

DESIGN G2.0 jaiel:10/ 2/1996 10: 1:24

FILE:P.E4ENASTERI01

TARGET BODY : EUROPA

MINI:m.E4ENASTERI01

S H:/DATA/NAVIO/T-960909-TOUR.NS

PERIAPSIS:

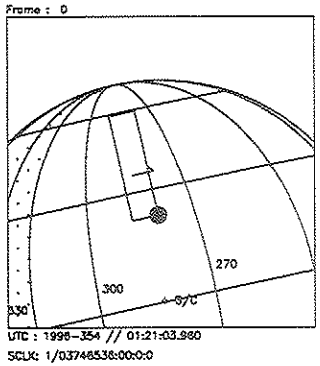
START:EEE 96-354/06:54:48.931 -CDS 331:00:0

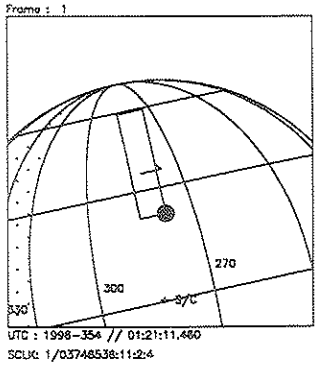
OBSERVATION:E4ENASTERI01

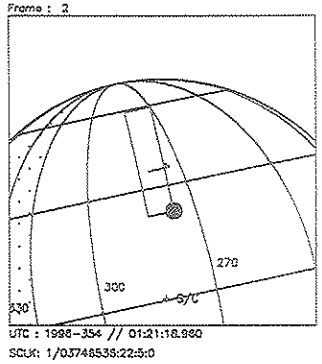
THINNING:NIM 2 :UVS 1

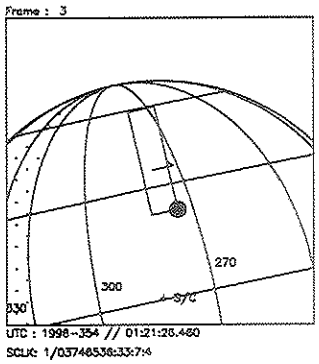
BODY PLOT TIME:TARGET-TIME D= 0 S= 0.600

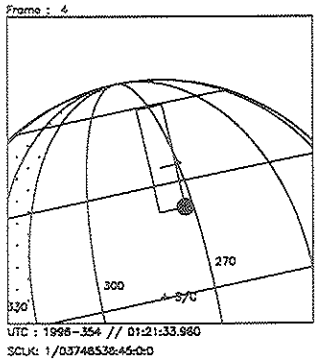
DESCRIP:PART GLOBAL MOSAIC

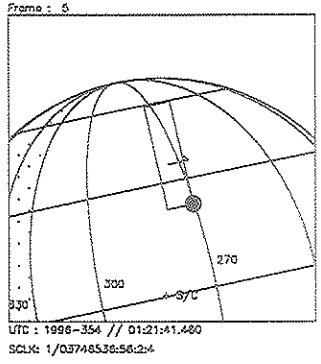


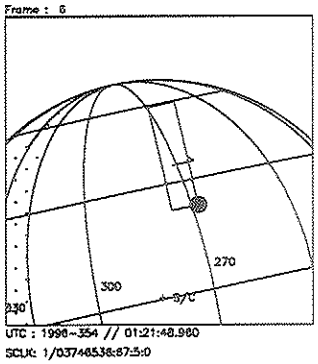


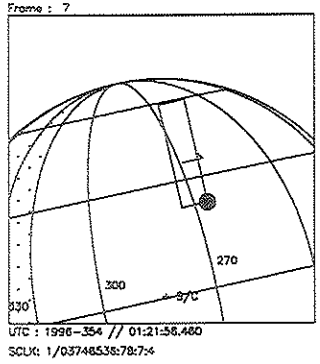


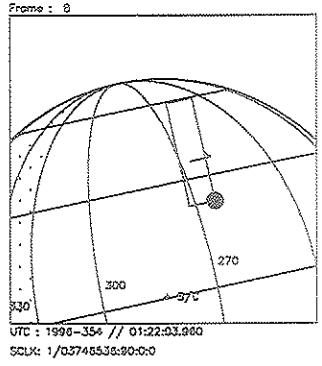








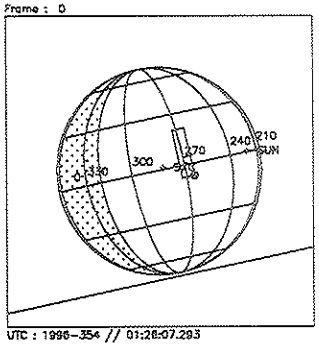




Start UTC_TIME : 1996-354 // 01:21:03.960
End UTC_TIME : 1996-354 // 01:22:04.626
Start SCLK : 1/03746536:00:0:0
Delta Time between FOV : 7.500000
FOVs : F Channel(0.1x0.4), N/G Channel(0.5x0.5)

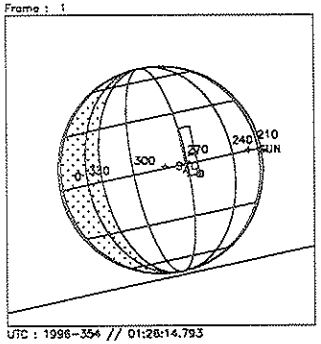
Target Body : EUROPA
Target Cone/Clock : 133.31/ 89.35 Deg
S/C to Body Center : 107328.4 Km (68.580462 Re)
Z-axis Pointing (Ra / Dec) : 109.00 / 23.40 Deg

Frame : 0



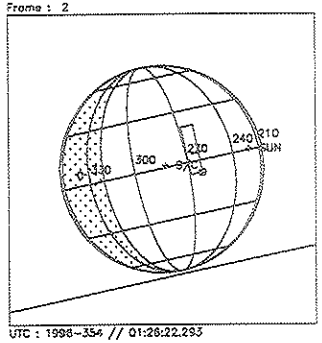
UTC : 1996-354 // 01:26:07.293
SCLK: 1/03746541:00:0:0

Frame : 1



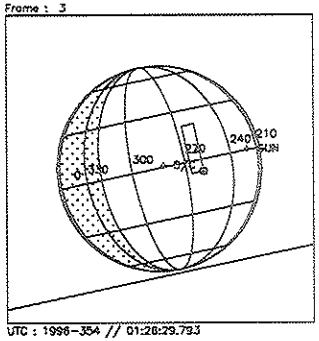
UTC : 1996-354 // 01:26:14.793
SCLK: 1/03746541:11:2:4

Frame : 2



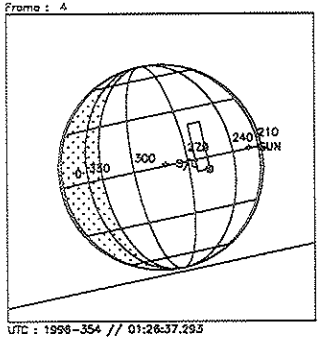
UTC : 1996-354 // 01:26:22.293
SCLK: 1/03746541:22:5:0

Frame : 3



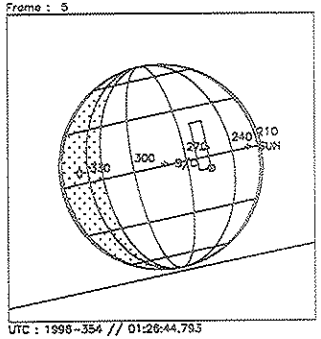
UTC : 1996-354 // 01:26:29.793
SCLK: 1/03746541:33:7:4

Frame : 4



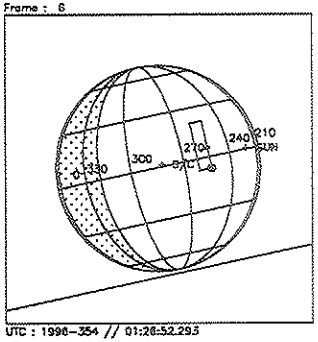
UTC : 1996-354 // 01:26:37.293
SCLK: 1/03746541:45:0:0

Frame : 5



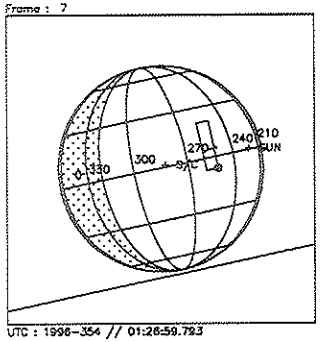
UTC : 1996-354 // 01:26:44.793
SCLK: 1/03746541:56:2:4

Frame : 6



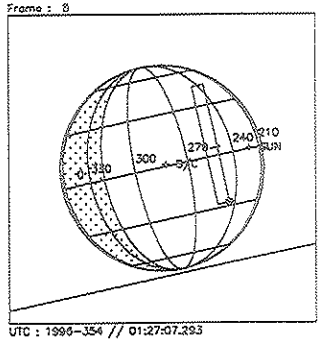
UTC : 1996-354 // 01:26:52.293
SCLK: 1/03746541:67:5:0

Frame : 7



UTC : 1996-354 // 01:26:59.793
SCLK: 1/03746541:78:7:4

Frame : 8



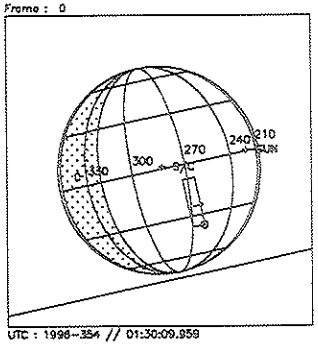
UTC : 1996-354 // 01:27:07.293
SCLK: 1/03746541:90:0:0

Start UTC_TIME : 1996-354 // 01:26:07.293
End UTC_TIME : 1996-354 // 01:27:07.959
Start SCLK : 1/03746541:00:0:0
Delta Time between FOV : 7.500000
FOVs : N/G Channel(0.5x0.5)

Target Body : EUROPA
Target Cone/Clock : 133.33/ 89.35 Deg
S/C to Body Center : 105768.8 Km (67.583907 Re)
Z-axis Pointing (Ra / Dec) : 109.00 / 23.40 Deg

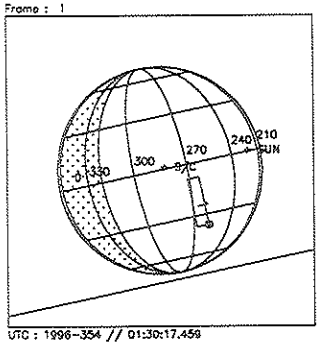
E4 Asteri (3rd scan) 1 RIM

Frame : 0



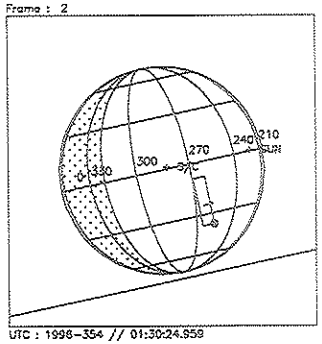
UTC : 1996-354 // 01:30:09.959
SCLK: 1/03746545:00:0:0

Frame : 1



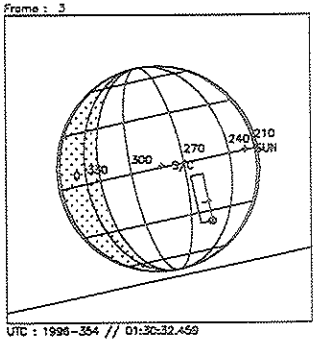
UTC : 1996-354 // 01:30:17.459
SCLK: 1/03746545:11:2:4

Frame : 2



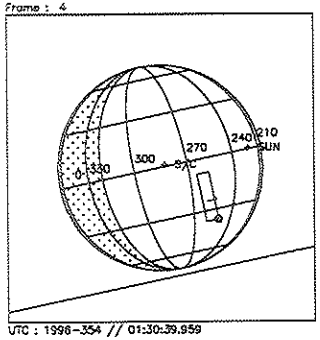
UTC : 1996-354 // 01:30:24.959
SCLK: 1/03746545:22:5:0

Frame : 3



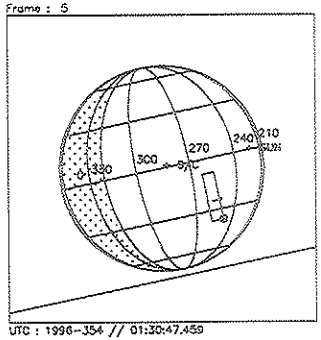
UTC : 1996-354 // 01:30:32.459
SCLK: 1/03746545:33:7:4

Frame : 4



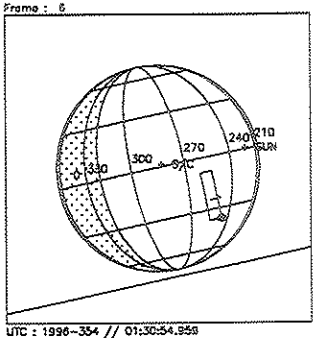
UTC : 1996-354 // 01:30:39.959
SCLK: 1/03746545:45:0:0

Frame : 5



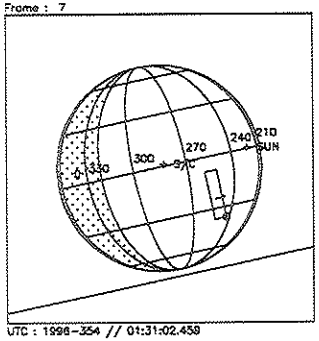
UTC : 1996-354 // 01:30:47.459
SCLK: 1/03746545:56:2:4

Frame : 6



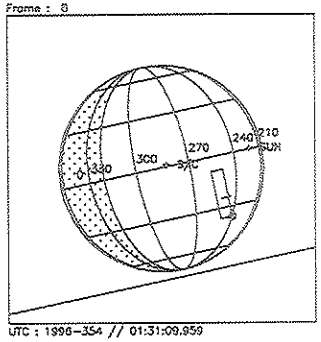
UTC : 1996-354 // 01:30:54.959
SCLK: 1/03746545:67:5:0

Frame : 7



UTC : 1996-354 // 01:31:02.459
SCLK: 1/03746545:78:7:4

Frame : 8



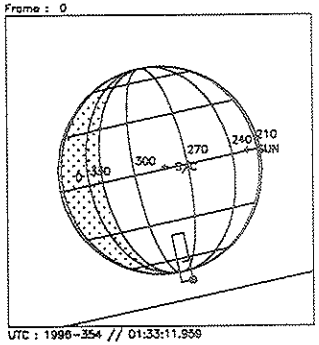
UTC : 1996-354 // 01:31:09.959
SCLK: 1/03746545:90:0:0

Start UTC_TIME : 1996-354 // 01:30:09.959
End UTC_TIME : 1996-354 // 01:31:10.626
Start SCLK : 1/03746545:00:0:0
Delta Time between FOV : 7.500000
FOVs : N/G Channel(0.5x0.5)

Target Body : EUROPA
Target Cone/Clock : 133.34/ 89.35 Deg
S/C to Body Center : 104518.4 Km (66.784891 Re)
Z-axis Pointing (Ra / Dec) : 109.00 / 23.40 Deg

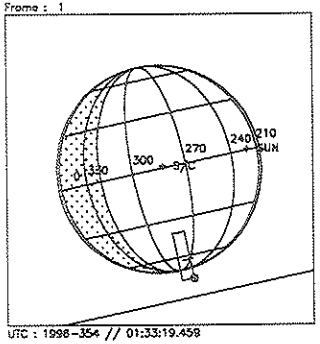
E4 Asteri (4th scan) 1 Rim

Frame : 0



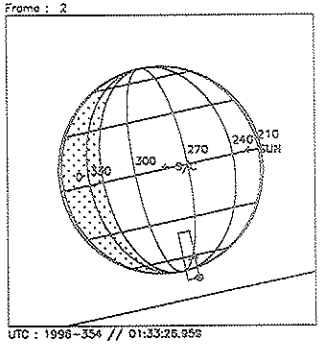
UTC : 1996-354 // 01:33:11.959
SCLK: 1/03746548:00:0:0

Frame : 1



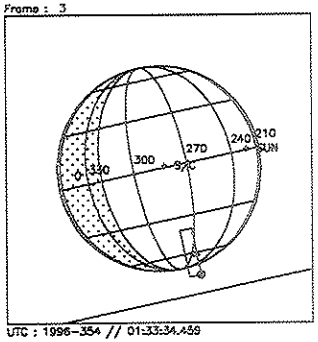
UTC : 1996-354 // 01:33:19.459
SCLK: 1/03746548:11:2:4

Frame : 2



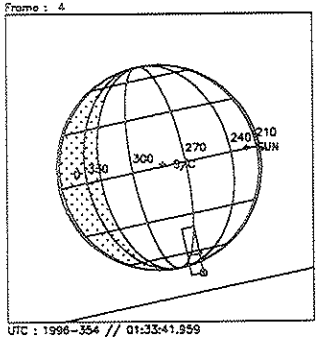
UTC : 1996-354 // 01:33:26.959
SCLK: 1/03746548:22:5:0

Frame : 3



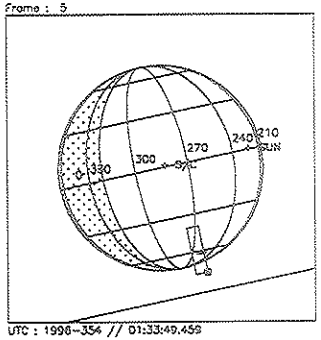
UTC : 1996-354 // 01:33:34.459
SCLK: 1/03746548:33:7:4

Frame : 4



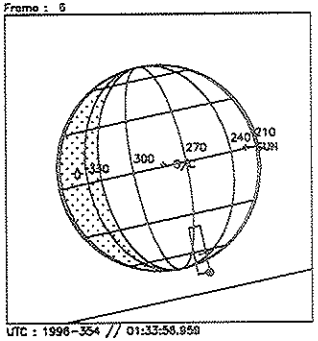
UTC : 1996-354 // 01:33:41.959
SCLK: 1/03746548:45:0:0

Frame : 5



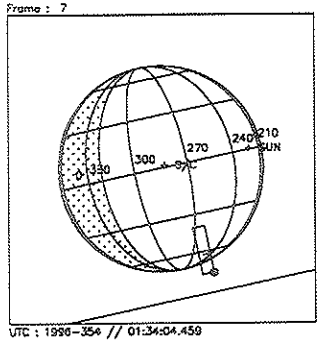
UTC : 1996-354 // 01:33:49.459
SCLK: 1/03746548:56:2:4

Frame : 6



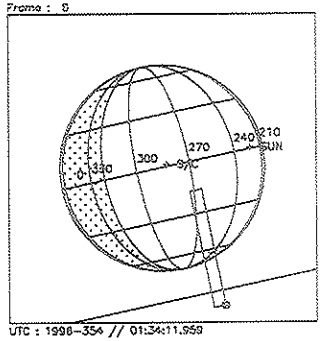
UTC : 1996-354 // 01:33:56.959
SCLK: 1/03746548:67:5:0

Frame : 7



UTC : 1996-354 // 01:34:04.459
SCLK: 1/03746548:78:7:4

Frame : 8



UTC : 1996-354 // 01:34:11.959
SCLK: 1/03746548:90:0:0

Start UTC_TIME : 1996-354 // 01:33:11.959
End UTC_TIME : 1996-354 // 01:34:12.626
Start SCLK : 1/03746548:00:0:0
Delta Time between FOV : 7.500000
FOVs : N/G Channel(0.5x0.5)

Target Body : EUROPA
Target Cone/Clock : 133.35/ 89.35 Deg
S/C to Body Center : 103578.9 Km (66.184611 Re)
Z-axis Pointing (Ra / Dec) : 109.00 / 23.40 Deg

Activity ID:	Orbit E4	OAPEL EUSUCOMP		**SeqNo**	02+
TItle	E4EUSUCOMP02			**Instrument**	UVS
Requestor	UVS-SWG/J. AIELLO X37737	**Team**	UVS	**Working Group**	SWG

Time System	CDS	**Load ID**		**Calendar Date**	12/19/96 Week 51
Start	ETE-CDS 00000105:00:0	96-354/05:06:36.666	ETE-000/01:46:10.000		
End	ETE-CDS 00000081:00:0	96-354/05:30:52.666	ETE-000/01:21:54.000		
Duration	00000024:00:0	000/00:24:16.000	000/00:24:16.000		

Top Label	E4EUSUCOMP02				
Bottom Label					
Plot Key	UVS	**Type**	SCI		
CDS Bytes	0	**Report Options**	BOTH	**Scan Platform**	No
CDS Source	OAP	**Spin State**	DUAL	**DMS**	Yes

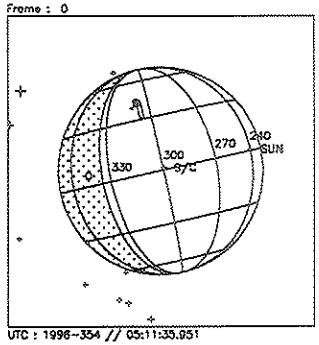
Observation Objective

Ride along with NIMS "Surface Composition #1" -- a region of mostly bright ice.

Design Detail

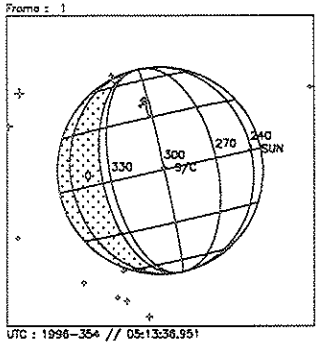
```
CDS      RIM      COMMAND
---  ---      --------
38       000      CMDRS
         001      34UVS    07,S,N,N,N,S,0,  ON,OFF,  ON,  ON,OFF,NOOVR,1,00,9C,00,00
         018      34UVS     C1,F,N,N,N,S,0,OFF,OFF,  ON,OFF,OFF,NOOVR,1,2C,05,00,00
```

Frame : 0



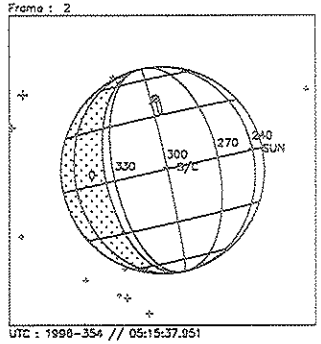
UTC : 1996-354 // 05:11:35.951
SCLK: 1/03746764:00:0:0

Frame : 1



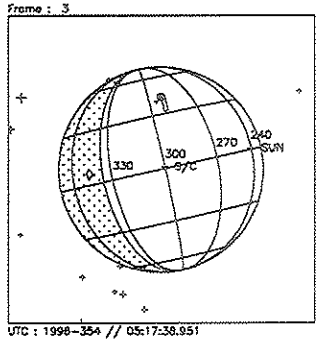
UTC : 1996-354 // 05:13:36.951
SCLK: 1/03746765:90:5:0

Frame : 2



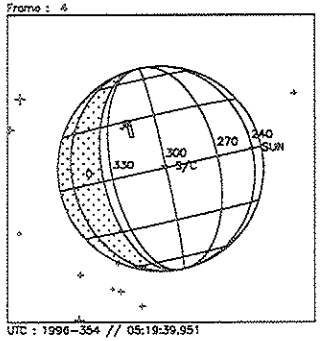
UTC : 1996-354 // 05:15:37.951
SCLK: 1/03746767:80:0:0

Frame : 3



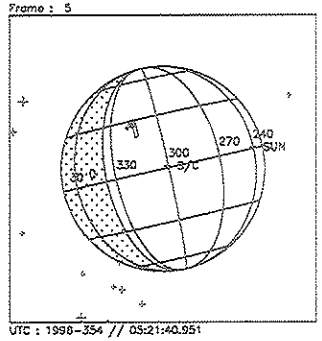
UTC : 1996-354 // 05:17:38.951
SCLK: 1/03746769:89:5:0

Frame : 4



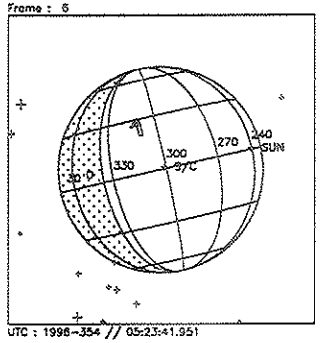
UTC : 1996-354 // 05:19:39.951
SCLK: 1/03746771:89:0:0

Frame : 5



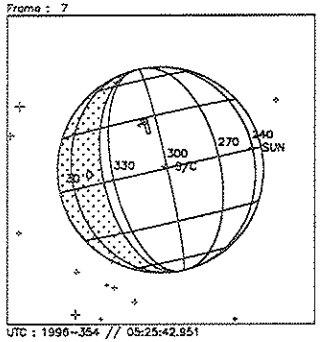
UTC : 1996-354 // 05:21:40.951
SCLK: 1/03746773:88:5:0

Frame : 6



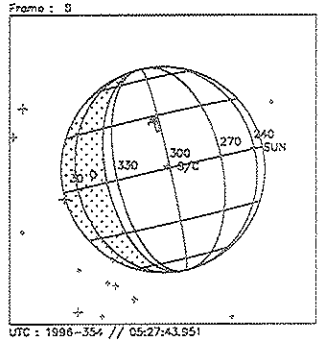
UTC : 1996-354 // 05:23:41.951
SCLK: 1/03746775:88:0:0

Frame : 7



UTC : 1996-354 // 05:25:42.951
SCLK: 1/03746777:87:5:0

Frame : 8



UTC : 1996-354 // 05:27:43.951
SCLK: 1/03746779:87:0:0

Start UTC_TIME : 1996-354 // 05:11:35.951
End UTC_TIME : 1996-354 // 05:27:46.617
Start SCLK : 1/03746764:00:0:0
Delta Time between FOV : 121.0000
FOVs : F Channel(0.1x0.4)

Target Body : EUROPA
Target Cone/Clock : 131.99/ 89.37 Deg
S/C to Body Center : 33490.77 Km (21.399854 Re)
Z-axis Pointing (Ra / Dec) : 109.00 / 23.40 Deg

Activity ID: Orbit E4 OAPEL EUSUCOMP SeqNo 01+

Title E4EUSUCOMP01 Instrument UVS

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

Time System CDS Load ID Calendar Date 12/19/96 Week 51

Start	ETE-CDS 00000059:00:0	96-354/05:55:08.667	ETE-000/00:59:39.333
End	ETE-CDS 00000040:00:0	96-354/06:14:21.334	ETE-000/00:40:26.666
Duration	00000019:00:0	000/00:19:12.667	000/00:19:12.667

Top Label E4EUSUCOMP01+

Bottom Label

Plot Key UVS Type SCI

CDS Bytes 38 Report Options BOTH Scan Platform No

CDS Source OAP Spin State DUAL DMS Yes

Observation Objective

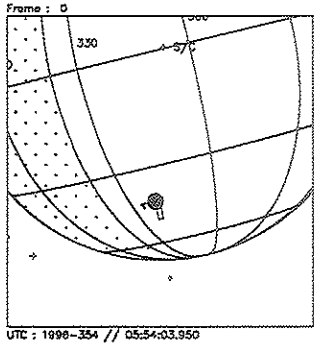
Ride-along with NIMS "Surface Composition #01"--mostly bright ice.

F/F full scans.

Design Detail

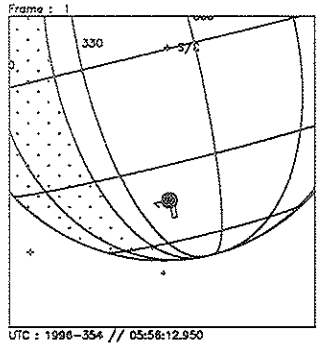
CDS	RIM	COMMAND	
38	004	CMDRS	
	005	34UVS	07,S,N,N,N,S,0, ON,OFF, ON, ON,OFF,NOOVR,1,00,9C,00,00
	012	34UVS	C1,F,N,N,N,S,0,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00

Frame : 0



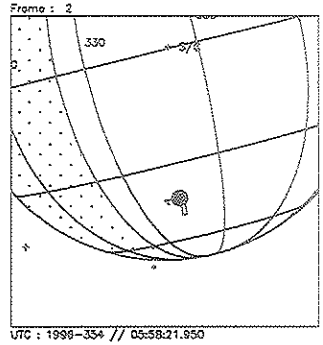
UTC : 1996-354 // 05:54:03.950
SCLK: 1/03746806:00:0:0

Frame : 1



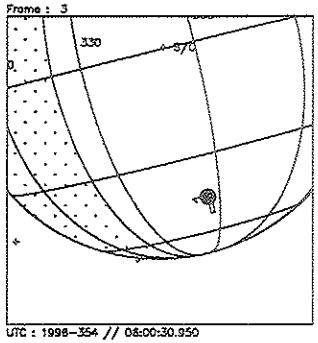
UTC : 1996-354 // 05:58:12.950
SCLK: 1/03746808:11:5:0

Frame : 2



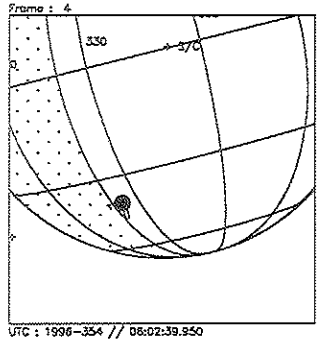
UTC : 1996-354 // 05:58:21.950
SCLK: 1/03746810:23:0:0

Frame : 3



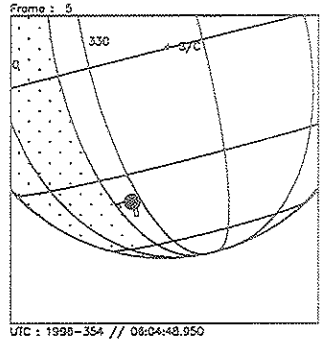
UTC : 1996-354 // 06:00:30.950
SCLK: 1/03746812:34:5:0

Frame : 4



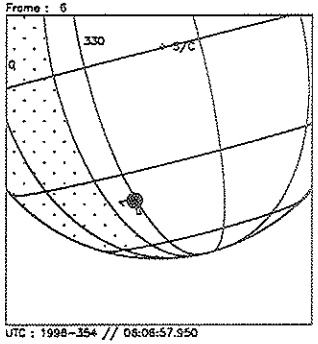
UTC : 1996-354 // 06:02:39.950
SCLK: 1/03746814:46:0:0

Frame : 5



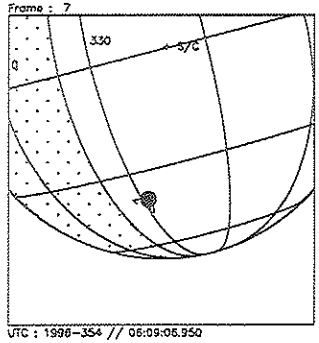
UTC : 1996-354 // 06:04:48.950
SCLK: 1/03746816:57:5:0

Frame : 6



UTC : 1996-354 // 06:06:57.950
SCLK: 1/03746818:69:0:0

Frame : 7



UTC : 1996-354 // 06:09:06.950
SCLK: 1/03746820:80:5:0

Start UTC_TIME : 1996-354 // 05:54:03.950
End UTC_TIME : 1996-354 // 06:11:15.282
Start SCLK : 1/03746806:00:0:0
Delta Time between FOV : 129.0000
FOVs : F Channel(0.1x0.4)

Target Body : EUROPA
Target Cone/Clock : 129.26/ 89.38 Deg
S/C to Body Center : 19603.18 Km (12.525991 Re)
Z-axis Pointing (Ra / Dec) : 109.00 / 23.40 Deg

Activity ID: Orbit E4 OAPEL EUSUCOMP SeqNo 03+

Title E4EUSUCOMP03 Instrument UVS

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

Time System CDS Load ID Calendar Date 12/19/96 Week 51

Start	ETE-CDS 00000028:00:0	96-354/06:26:29.334	ETE-000/00:28:18.666
End	ETE-CDS 00000014:00:0	96-354/06:40:38.667	ETE-000/00:14:09.333
Duration	00000014:00:0	000/00:14:09.333	000/00:14:09.333

Top Label E4EUSUCOMP02

Bottom Label

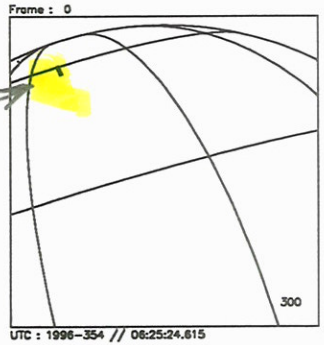
Plot Key	UVS	Type	SCI		
CDS Bytes	0	Report Options	BOTH	Scan Platform	No
CDS Source	OAP	Spin State	DUAL	DMS	Yes

Observation Objective

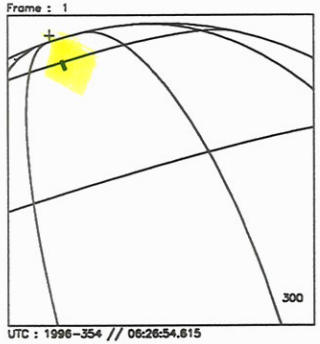
Ride along with NIMS "Surface Composition ##" -- a region of approximately 50/50 bright/dark ice.

Design Detail

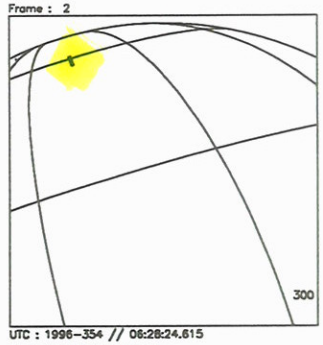
```
CDS      RIM      COMMAND
---  ---      --------
38       000      CMDRS
         001      34UVS    07,S,N,N,N,S,0,  ON,OFF,  ON,  ON,OFF,NOOVR,1,00,9C,00,00
         013      34UVS     C1,F,N,N,N,S,0,OFF,OFF,  ON,OFF,OFF,NOOVR,1,2C,05,00,00
```



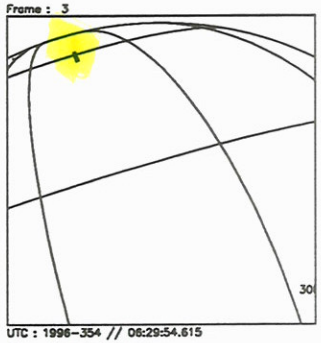
UTC : 1996-354 // 06:25:24.615
SCLK: 1/03746837:00:0:0



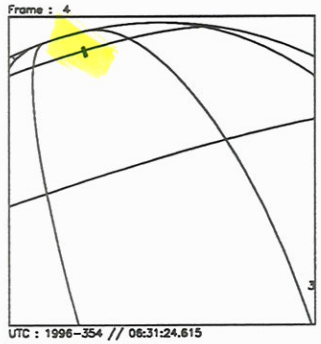
UTC : 1996-354 // 06:26:54.615
SCLK: 1/03746838:44:0:0



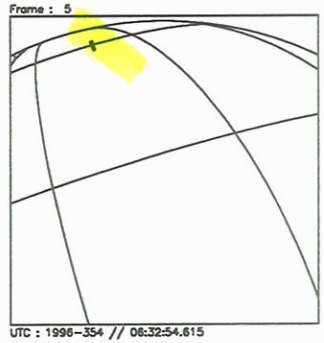
UTC : 1996-354 // 06:28:24.615
SCLK: 1/03746839:88:0:0



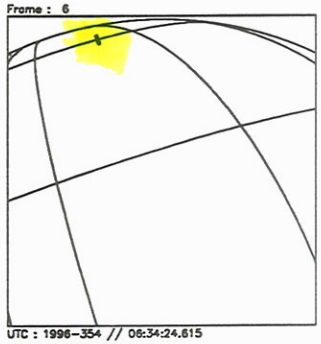
UTC : 1996-354 // 06:29:54.615
SCLK: 1/03746841:41:0:0



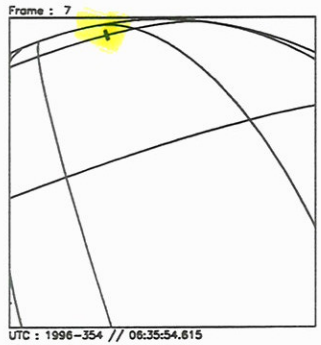
UTC : 1996-354 // 06:31:24.615
SCLK: 1/03746842:85:0:0



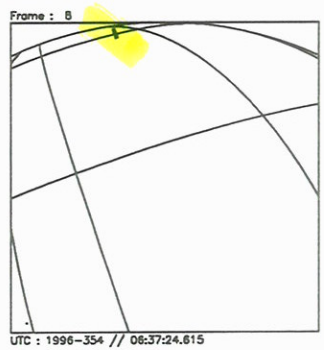
UTC : 1996-354 // 06:32:54.615
SCLK: 1/03746844:38:0:0



UTC : 1996-354 // 06:34:24.615
SCLK: 1/03746845:82:0:0



UTC : 1996-354 // 06:35:54.615
SCLK: 1/03746847:35:0:0



UTC : 1996-354 // 06:37:24.615
SCLK: 1/03746848:79:0:0

Start UTC_TIME : 1996-354 // 06:25:24.615
No End Time :
Start SCLK : 1/03746837:00:0:0

Target Body : EUROPA
Target Cone/Clock : 121.77/ 89.41 Deg
S/C to Body Center : 9422.628 Km (6.0208487 Re)
Z-axis Pointing (Ra / Dec) : 109.00 / 23.40 Deg

Activity ID:	Orbit E4	**OAPEL**	CUPHAS45	**SeqNo**	01-
Title	UVS CALLISTO PHASE (~45 deg)			**Instrument**	UVS
Requestor	UVS-SWG/K.NAVIAUX 37740	**Team**	UVS	**Working Group**	SWG

Time System	CDS	**Load ID**	E4A	**Calendar Date**	12/20/96 Week 51
Start	JEE+CDS 00001223:00:0	96-355/00:00:03.999		JEE+000/20:36:35.333	
End	JEE+CDS 00001257:00:0	96-355/00:34:26.666		JEE+000/21:10:58.000	
Duration	00000034:00:0	000/00:34:22.667		000/00:34:22.667	

Top Label	E4CUPHAS4501-				
Bottom Label	(real-time)				
Plot Key	UVS	**Type**	SCI		
CDS Bytes	206	**Report Options**	BOTH	**Scan Platform**	Yes
CDS Source	OAP	**Spin State**	DUAL	**DMS**	No

Observation Objective

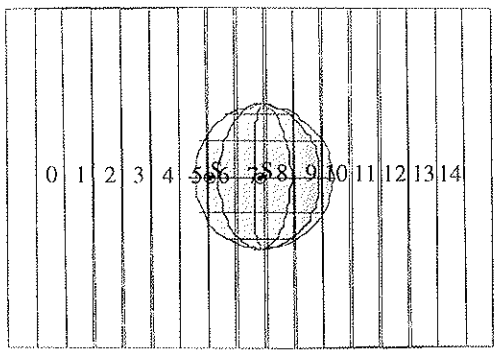
Observe Callisto in the 1600Å to 3200Å wavelength regions at phase angles not obtainable from the Earth to supplement and complement the NIMS surface property measurements.

1 scan-platform drift across Callisto in real-time at ~45° phase (~325 longitude ; xx RIM 3-sigma drift rate) using the UVS 10bps RTS rate. The drift will include xx RIMs HV On / x RIM HV Off for PWS time sharing.

UVS Configuration = F/F Full Scans

Design Detail

```
CDS RIM Command Parameters                                    PSID
--- --- ------- ----------                                    ----
28  002+UVFLUSH DISCRD,UVS                                    (CU)
38  003 CMDRS                                                 (CL)
    004     1   34UVS,07,S,N,N,N,S,0, ON,OFF, ON, ON,OFF,NOOVR,1,00,9C,00,00
    019    16   34UVS,C1,F,N,N,N,S,0,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00
36  004 TARGET  (4 RIM Posn_slew)                             (CO)
28  017+UVFLUSH PACKET,UVS                                    (BW)
```



165CO:TT= 0 TMC= 1 C= -4.36 XC= 0.00 BS= 0/3928 TC= 9
A= 728 pD= 0 SR=17.430 RA50=345.03 DEC50= -6.23 cone=123.57 clock=269.88

DESIGN G2.0 jaiel:10/ 2/1996 10: 0:39

FILE:P.E4CUPHAS4501

TARGET BODY : CALLISTO

MINI:m.E4CUPHAS4501

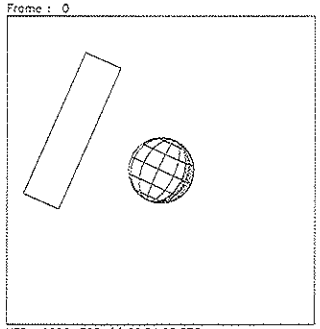
S PH:/DATA/NAVIO/T-960909-TOUR.NS

PERIAPSIS: THINNING: :UVS 1

START:JEE 96-354/03:23:29.606 +CDS 1227:00:0 BODY PLOT TIME:TARGET-TIME D= 0 S= 0.100

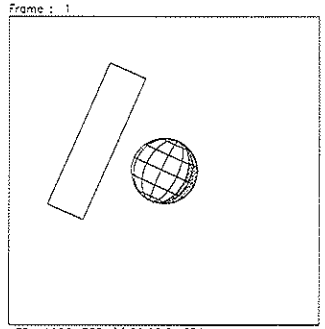
OBSERVATION:E4CUPHAS4501 DESCRIP:E4 UVS Callisto 45 Phase

Frame : 0



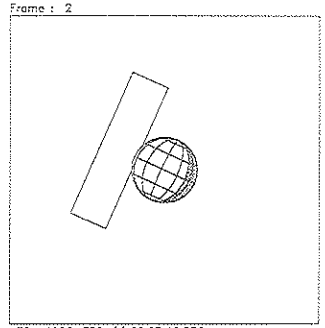
UTC : 1996-355 // 00:04:02.576
SCLK: 1/03747884:00:0:0

Frame : 1



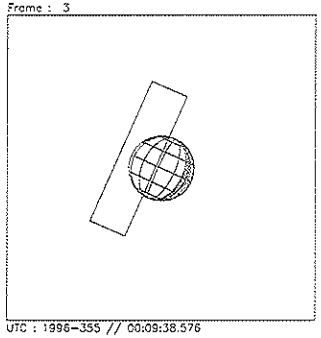
UTC : 1996-355 // 00:05:54.576
SCLK: 1/03747885:77:0:0

Frame : 2



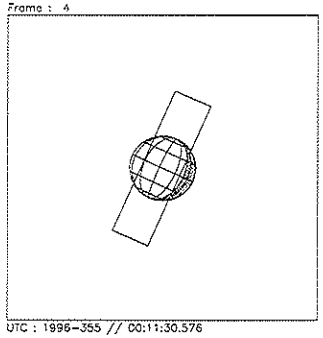
UTC : 1996-355 // 00:07:46.576
SCLK: 1/03747887:63:0:0

Frame : 3



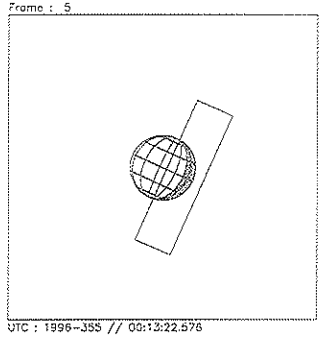
UTC : 1996-355 // 00:09:38.576
SCLK: 1/03747889:49:0:0

Frame : 4



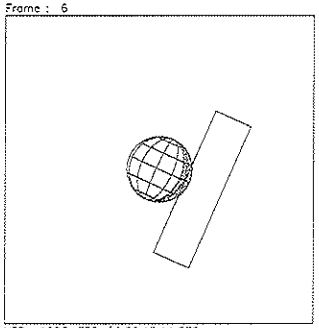
UTC : 1996-355 // 00:11:30.576
SCLK: 1/03747891:35:0:0

Frame : 5



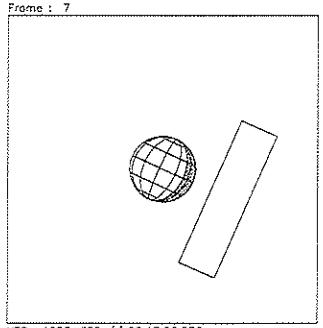
UTC : 1996-355 // 00:13:22.576
SCLK: 1/03747893:21:0:0

Frame : 6



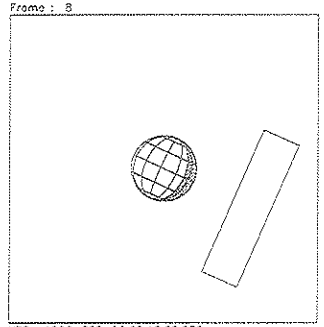
UTC : 1996-355 // 00:15:14.576
SCLK: 1/03747895:07:0:0

Frame : 7



UTC : 1996-355 // 00:17:06.576
SCLK: 1/03747896:84:0:0

Frame : 8



UTC : 1996-355 // 00:18:58.576
SCLK: 1/03747898:70:0:0

Start UTC_TIME : 1996-355 // 00:04:02.576
No End Time :
Start SCLK : 1/03747884:00:0:0

Target Body : CALLISTO
Target Cone/Clock : 123.82/269.89 Deg
S/C to Body Center : 1621274. Km (674.68736 Rc)
Z-axis Pointing (Ra / Dec) : 109.00 / 23.40 Deg

Activity ID: Orbit E4 **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** E4A **Calendar Date** 12/20/96 **Week** 51

Start	JHP+CDS 00003479:00:0	96-355/12:59:38.066	JHP+002/10:37:39.333
End	JHP+CDS 00003487:00:0	96-355/13:07:43.399	JHP+002/10:45:44.666
Duration	00000008:00:0	000/00:08:05.333	000/00:08:05.333

Top Label E4CUGLOBAL01+

Bottom Label (real-time)

Plot Key	UVS	**Type**	SCI		
CDS Bytes	170	**Report Options**	BOTH	**Scan Platform**	No
CDS Source	OAP	**Spin State**	DUAL	**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 scan-platform slew across Io in real-time at ~28° phase (~15-175 longitude) using the UVS 10bps RTS rate.

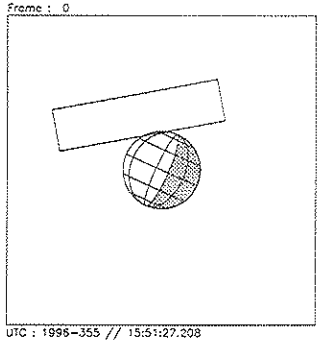
UVS Configuration = F/F Full Scans

Design Detail

CDS	RIM	Command	Parameters	PSID
28	003+	UVFLUSH	DISCRD,UVS	(CV)
0		TARGET	(NIMS Target)	
0		CSMOS	(NIMS Csmos)	
38	003	CMDRS		(CM)
	004	1	34UVS,07,S,N,N,N,S,0, ON,OFF, ON, ON,OFF,NOOVR,1,00,9C,00,00	
	007	4	34UVS,C1,F,N,N,N,S,0,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00	
28	005+	UVFLUSH	PACKET,UVS	(CW)

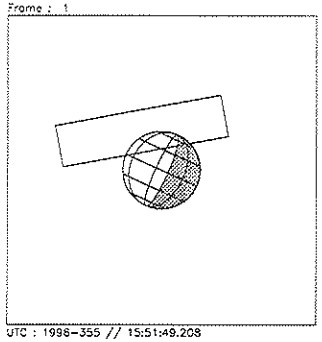
DATA LOST due to NIMS relocating observation without relocating UVRT commands

Frame : 0



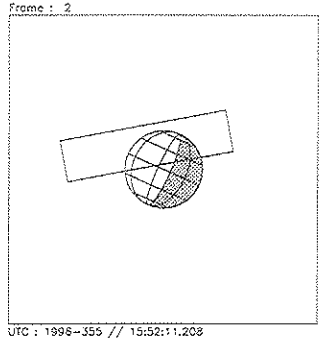
UTC : 1996-355 // 15:51:27.208
SCLK: 1/03748821:00:0:0

Frame : 1



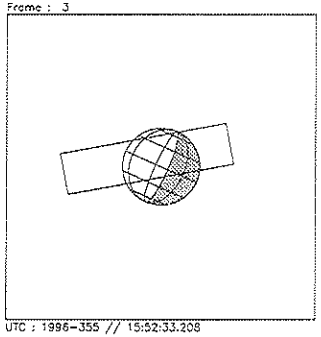
UTC : 1996-355 // 15:51:49.208
SCLK: 1/03748821:33:0:0

Frame : 2



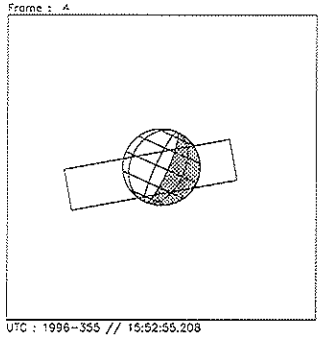
UTC : 1996-355 // 15:52:11.208
SCLK: 1/03748821:66:0:0

Frame : 3



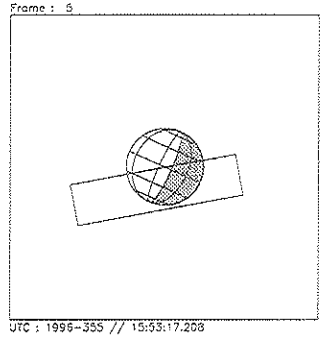
UTC : 1996-355 // 15:52:33.208
SCLK: 1/03748822:08:0:0

Frame : 4



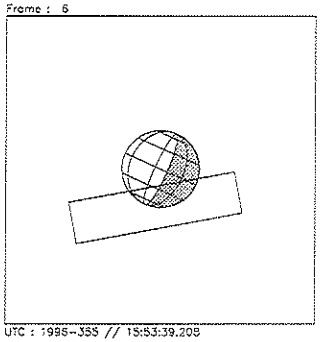
UTC : 1996-355 // 15:52:55.208
SCLK: 1/03748822:41:0:0

Frame : 5



UTC : 1996-355 // 15:53:17.208
SCLK: 1/03748822:74:0:0

Frame : 6



UTC : 1996-355 // 15:53:39.208
SCLK: 1/03748823:16:0:0

Start UTC_TIME : 1996-355 // 15:51:27.208
No End Time :
Start SCLK : 1/03748821:00:0:0

Target Body : CALLISTO
Target Cone/Clock : 166.16/228.49 Deg
S/C to Body Center : 1491334. Km (620.61346 Rc)
Z-axis Pointing (Ra / Dec) : 191.50 / 6.50 Deg

Activity ID:	Orbit E4	OAPEL SUHIML25	**SeqNo** 01-
Title	UVS HIMALIA 25 PHASE OBS		**Instrument** UVS
Requestor	UVS-SWG/K.NAVIAUX 37740	**Team** UVS	**Working Group** SWG

Time System	CDS	**Load ID**	E4A	**Calendar Date** 12/21/96	Week 51

Start	JEE+CDS 00003000:00:0	96-356/05:56:48.666	JEE+002/02:33:20.000
End	JEE+CDS 00003020:00:0	96-356/06:17:01.999	JEE+002/02:53:33.333
Duration	00000020:00:0	000/00:20:13.333	000/00:20:13.333

Top Label	E4SUHIML2501-				
Bottom Label	(real-time)				
Plot Key	UVS	**Type**	SCI		
CDS Bytes	230	**Report Options**	BOTH	**Scan Platform**	Yes
CDS Source	OAP	**Spin State**	DUAL	**DMS**	No

Observation Objective

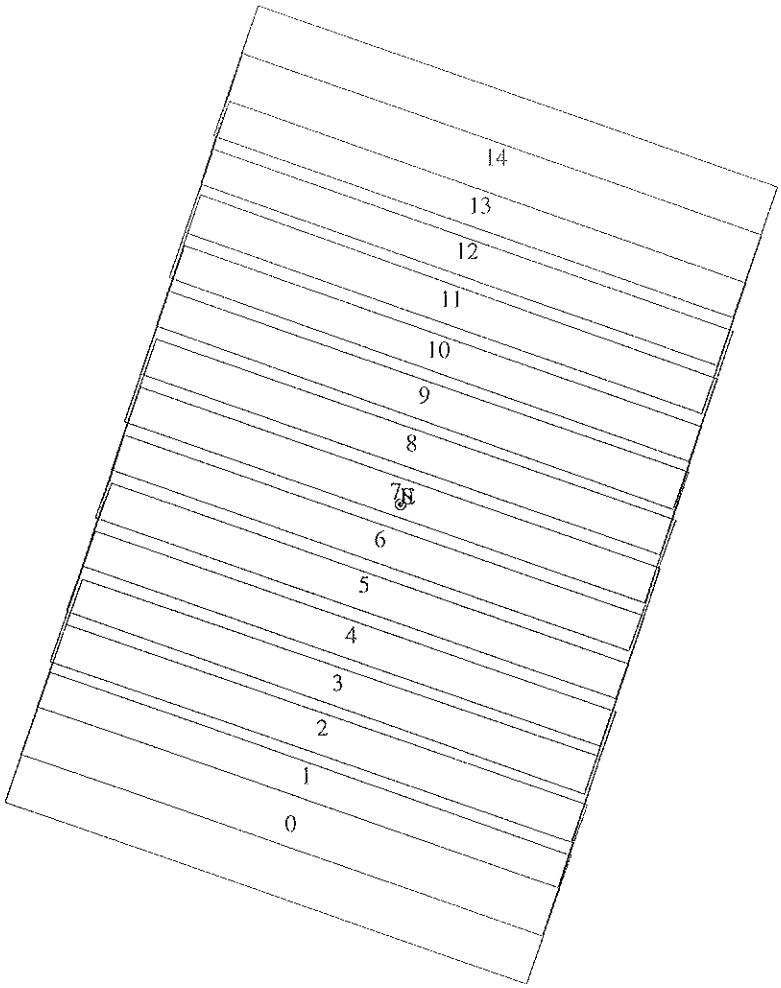
Observe Himalia (J6) in the 1600Å to 3200Å wavelength regions at phase angles not obtainable from the Earth.

1 scan-platform slew across Himalia in real-time at ~25° phase (~xxx-xxx longitude) using the UVS 10bps RTS rate. 15 RIM slew duration @ 0.01 mrad/sec.

UVS Configuration = F/F Full Scans

Design Detail

```
CDS  RIM  Command  Parameters                                                    PSID
---  ---  -------  ----------                                                    ----
28   003+UVFLUSH  DISCRD,UVS                                                    (CX)
36   004  TARGET   (4 RIM Posn_slew)                                            (CP)
24   004  CSMOS    (8.73 mrad cn slew; 15 RIM duration; 0.01 mrad/s slew rate) (CA)
38   003  CMDRS                                                                 (CN)
     004      1    34UVS,07,S,N,N,N,S,0, ON,OFF, ON, ON,OFF,NOOVR,1,00,9C,00,00
     019     16    34UVS,C1,F,N,N,N,S,0,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00
28   017+UVFLUSH  PACKET,UVS                                                    (CY)
```



165CP:TT= 0 TMC= 1 C= -4.36 XC= 0.00 BS= 0/7342 TC= 9
A= 728 pD= 0 SR=17.430 RA50=305.64 DEC50=-46.28 cone=153.48 clock=341.92
117CA:#SB= 1 OR= 0.010 RR=12.000 BM=F RC= 1 BS= 0/7342
1:#s= 1 Cs= 8.73 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 2730 rD= 2

DESIGN G2.0 jaiel:10/ 2/1996 10:11:39

FILE:P.E4SUHIML2501

TARGET BODY : HIMALIA

MINI:m.E4SUHIML2501

S ?H:/DATA/NAVIO/T-960909-TOUR.NS

PERIAPSIS: THINNING: :UVS 1

START:JEE 96-354/03:23:29.606 +CDS 3004:00:0 BODY PLOT TIME:TARGET-TIME D= 0 S= 0.001

OBSERVATION:E4SUHIML2501 DESCRIP:E4 UVS HIMALIA 25 PHASE