Activity ID: Orbit	G7	OAPEL	TV7EUVON	SeqNo	01-
Title	EUV POWER ON, G7 INBOUND			Instrument	EUV
Requestor	UVS-MWG/S.STEPHENS	Team	UVS	Working Group	MWG

Time System	CDS	Load ID	G7A	Calendar Date	04/01/97	Week	14

Start	JEE-CDS 00004167:00:0	97-091/12:50:30.400	JEE-002/22:13:18.000
End	JEE-CDS 00004157:00:0	97-091/13:00:37.067	JEE-002/22:03:11.333
Duration	00000010:00:0	000/00:10:06.667	000/00:10:06.667

Top Label	G7TV7EUVON01-				
Bottom Label	(EUV Power On)				
Plot Key	EUV	Type	SCI		
CDS Bytes	1100	Report Options	BOTH	Scan Platform	No
CDS Source	PA	Spin State	DUAL	DMS	No

Observation Objective

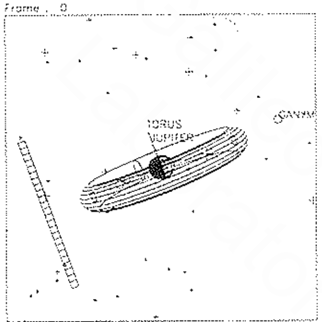
```
EUV POWER ON, E6 INBOUND:
  Load CDS memory and start the microprocessor, using Phase 2 EUVON
library sequence
  Load torus Fixed Pattern Noise Table (FPNT), using Phase 2 EUVTOR
library sequence
  Configure EUV for taking data, using an EUVCMD PA
NOTE: 2 scans per sector during midnight ansa observation, with lower
starting step
```

Design Detail

```
PSID    RIM:mf   CDS PA
-------------------------------------------------------------------------------
384BC   0        0   COMMENT [UVS RIM 0]
        0        900 [LOAD PHASE 2 EUVON LIBRARY SEQUENCE]
        6        179 [LOAD PHASE 2 EUVTOR LIBRARY SEQUENCE]
351BA   8        21  EUVCMD [TARGET BODY TORUS]
        8            24EUV,N,C,3,5A,C,2,18 [STARTING STEP 90, 2 SCANS/SECTOR, 24 SECTORS]
```

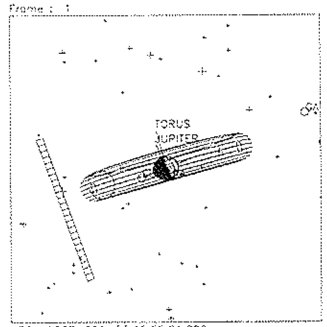
16"

Frame : 0



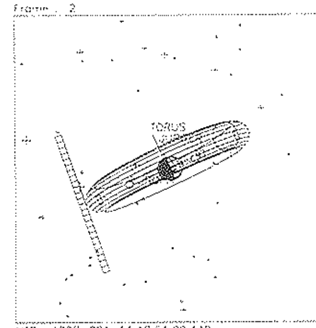
UTC : 1997-091 // 12:59:32.602
SCLK: 1/03893917:00:0:0

Frame : 1



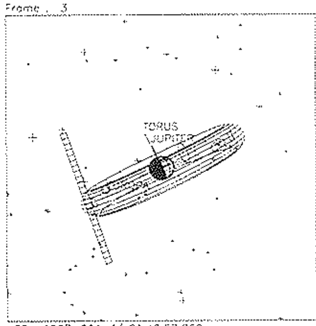
UTC : 1997-091 // 15:55:21.022
SCLK: 1/03894090:79:6:3

Frame : 2



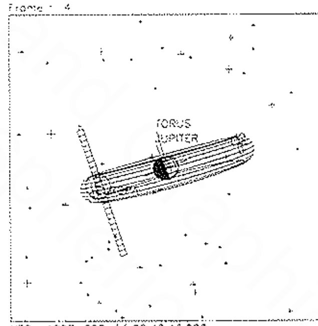
UTC : 1997-091 // 18:51:09.442
SCLK: 1/03894264:68:2:6

Frame : 3



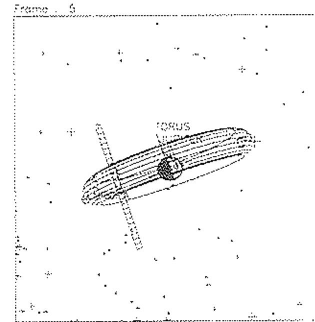
UTC : 1997-091 // 21:46:57.862
SCLK: 1/03894438:55:9:2

Frame : 4



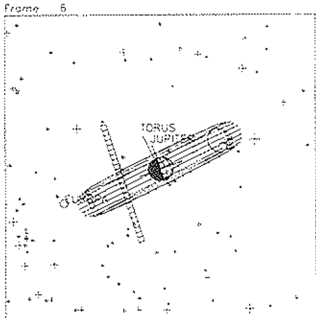
UTC : 1997-092 // 00:42:46.282
SCLK: 1/03894612:45:5:5

Frame : 5



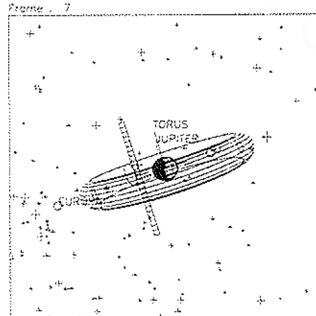
UTC : 1997-092 // 03:38:34.702
SCLK: 1/03894786:34:2:0

Frame : 6



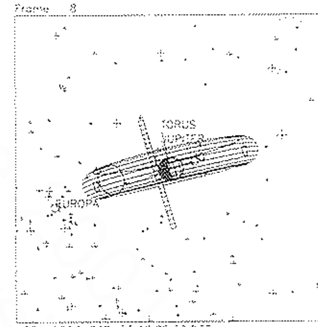
UTC : 1997-092 // 06:34:23.122
SCLK: 1/03894960:22:8:3

Frame : 7



UTC : 1997-092 // 09:30:11.542
SCLK: 1/03895134:11:4:6

Frame : 8



UTC : 1997-092 // 12:25:59.962
SCLK: 1/03895308:00:1:1

Start UTC_TIME : 1997-091 // 12:59:32.602
No End Time :
Start SCLK : 1/03893917:00:0:0

Target Body : JUPITER
Target Ra/Dec : 206.65/-12.73 Deg
S/C to Body Center : 2437760. Km (34.098361 Rj)
Z-axis Pointing (Ra / Dec) : 136.87 / 15.08 Deg

Activity ID: Orbit	G7	OAPEL	TUG7MANS	SeqNo	01-
Title	UVS/EUV MDNT ANSA MAP 1, LO RATE G7 INBD			Instrument	UVS
Requestor	UVS-MWG/S.STEPHENS	Team	UVS	Working Group	MWG

Time System	CDS	Load ID	G7A	Calendar Date	04/01/97	Week	14

Start	JEE-CDS 00004157:00:0	97-091/13:00:37.067	JEE-002/22:03:11.333
End	JEE-CDS 00003613:00:0	97-091/22:10:39.734	JEE-002/12:53:08.666
Duration	00000544:00:0	000/09:10:02.667	000/09:10:02.667

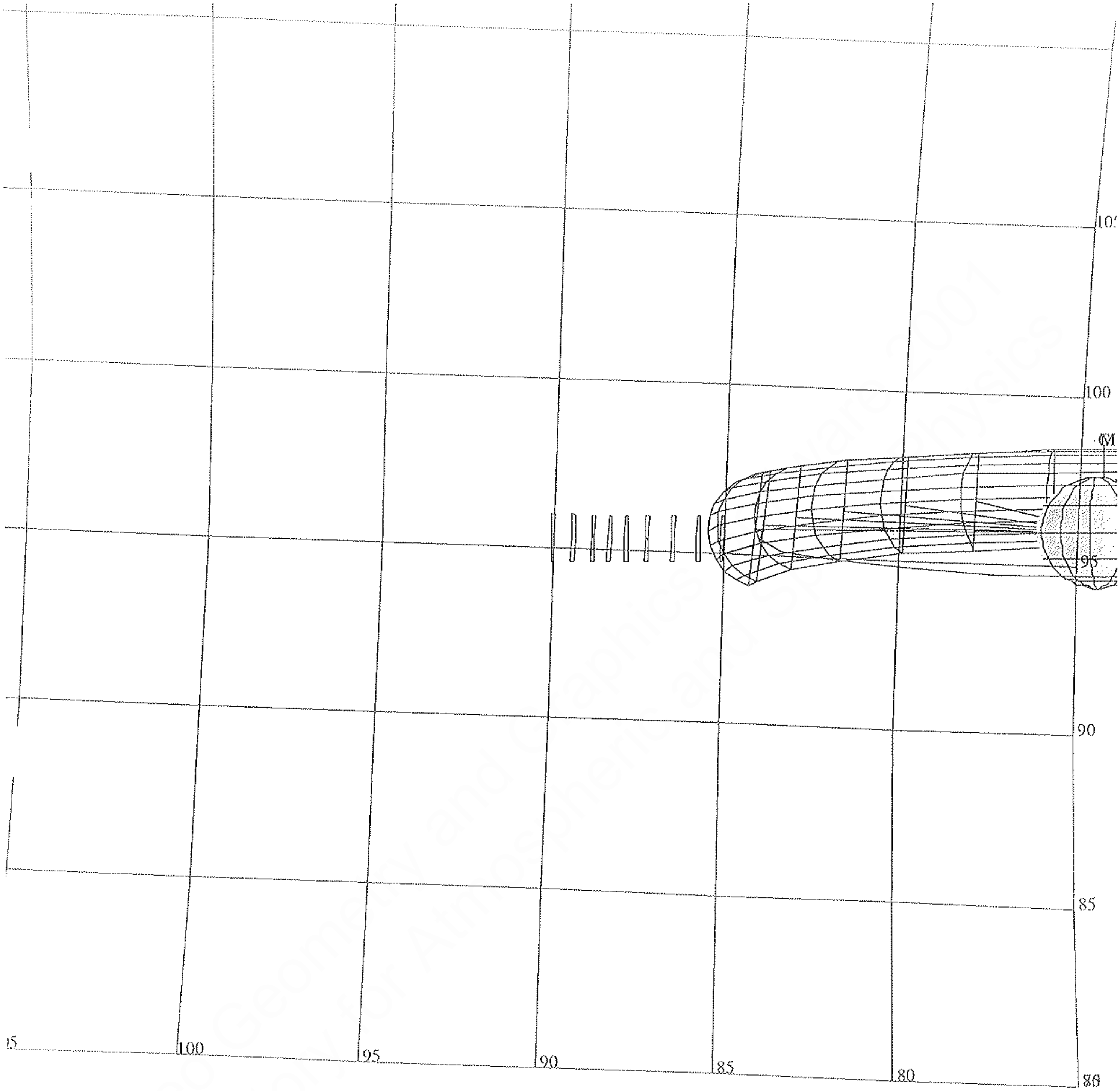
Top Label	G7TUG7MANS01-				
Bottom Label	(UVS/EUV RTS Torus)				
Plot Key	UVS	Type	SCI		
CDS Bytes	391	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	No

Observation Objective

```
UVS/EUV IO TORUS MIDNIGHT ANSA MAP 1, LOW RATE, G7 INBOUND:
  From: 9.15 Rj (Europa) at cone 90 (ribbon at 5.76 Rj, Sys III W
Long 283)
  To:    6.08 Rj at cone 90
  Data rate: Instrument states last 60 RIMS; thus, 4.87 bps UVS, 4.87
bps EUV
OPTRTM/UVFLUSH STRATEGY (17,712 bits per UVS or EUV PACKET):
  UVS/EUV deselected; thus, 60-RIM UVFLUSHes needed to PACKET BOTH,
after initial DISCRD
WAVELENGTHS (Angstroms):
  Emission lines: UVS (S+ 1259, S+ 4070), EUV (S++ 685, S+ 765, O+
834)
  2POSN-22STEP N/G MINISCAN (UVS):  N 4040.9-4098.7 (CTR 4071.2, STEP
436) (EVEN FRAMES],
                                    G 1239.8-1272.1 (CTR 1256.7, STEP
81) (ODD FRAMES]
  2POSN-1STEP N/N MINISCAN (UVS):   N 4049.2 (STEP 428) (EVEN
```

Design Detail

```
PSID     RIM:mf   CDS PA
-----------------------------------------------------------------------------------------
384BD    0        0    COMMENT [UVS RIM 0]
61BC     2        37   LOOPER [LOOP PERIOD 120, NUM LOOPS 5]
157BC    3        38   CMDRS (10+14*2) [PLAN DUR 61, EST UVS CMDS 2]
349BT    3:69     28   UVFLUSH [6UVRT, DISCRD, BOTH]
165BC    4        36   TARGET [CONE 90.00, CLOCK 95.30, POSITION SLEW ALLOCATION 4]
         4             34UVS,C1,F,N,N,N,S,0,OFF,ON,OFF,ON,OFF,NO,1,D8,06,00,08 [1STEP N/N]
349BU    62:69    28   UVFLUSH [6UVRT, PACKET, BOTH]
         64            34UVS,D3,F,N,N,N,S,0,OFF,ON,ON,ON,OFF,NO,1,D5,4E,05,63 [22STEP N/G]
349BV    122:69   28   UVFLUSH [6UVRT, PACKET, BOTH]
349BW    182:69   28   UVFLUSH [6UVRT, PACKET, BOTH]
349BX    242:69   28   UVFLUSH [6UVRT, PACKET, BOTH]
349BY    302:69   28   UVFLUSH [6UVRT, PACKET, BOTH]
349BZ    362:69   28   UVFLUSH [6UVRT, PACKET, BOTH]
349MA    422:69   28   UVFLUSH [6UVRT, PACKET, BOTH]
349MB    482:69   28   UVFLUSH [6UVRT, PACKET, BOTH]
349MC    542:69   28   UVFLUSH [6UVRT, PACKET, BOTH]
```



165BC:TT= 0 TMC= 1 C= 0.00 XC= 0.00 BS= 0/2829 TC= 2(90 95.3)
A= 728 pD= 0 SR=17.450 RA50=221.79 DEC50=-18.27 cone= 90.00 clock= 95.30

ARGET G3.0 lisac: 2/26/1997 10:14:59

ILE:P.G7TUG7MANS01

ENTRAL BODY:JUPITER

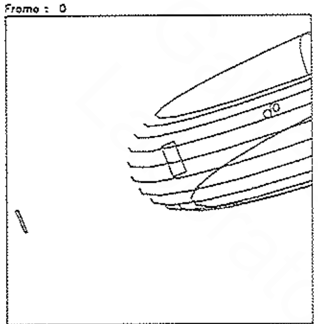
INI:m.target

.PH:/DATA/NAVIO/T-970223-TOUR.NS

ERIAPSIS: THINNING:UVS 100 :UVS 300

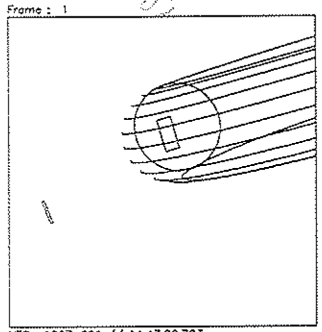
TART:JEE 97-094/11:03:48.400 -CDS 4153:00:0 BODY PLOT TIME:START-TIME D= 0 S= 0.100

Frame : 0



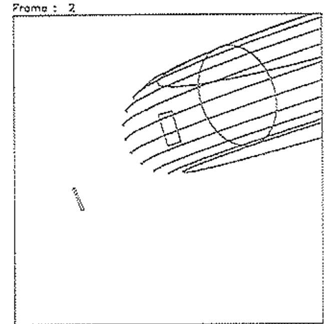
UTC : 1997-091 // 13:04:35.787
SCLK: 1/03893922:00:0:0

Frame : 1



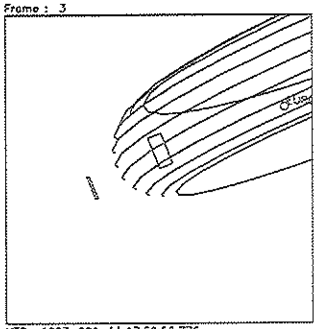
UTC : 1997-091 // 14:43:02.783
SCLK: 1/03894019:33:5:0

Frame : 2



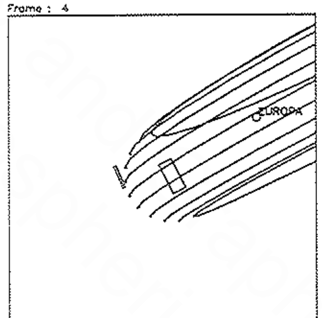
UTC : 1997-091 // 16:21:29.779
SCLK: 1/03894118:67:0:0

Frame : 3



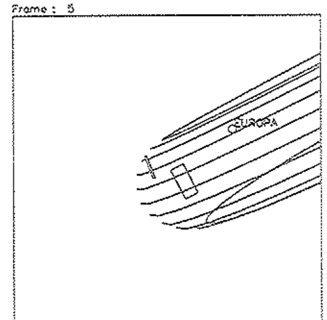
UTC : 1997-091 // 17:59:56.776
SCLK: 1/03894214:09:5:0

Frame : 4



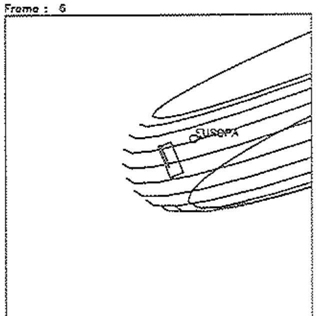
UTC : 1997-091 // 19:38:23.772
SCLK: 1/03894311:43:0:0

Frame : 5



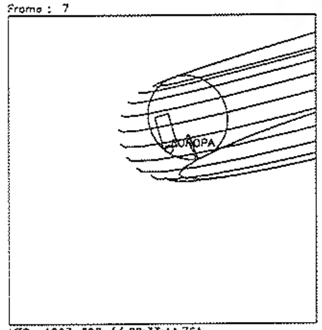
UTC : 1997-091 // 21:16:50.769
SCLK: 1/03894408:76:5:0

Frame : 6



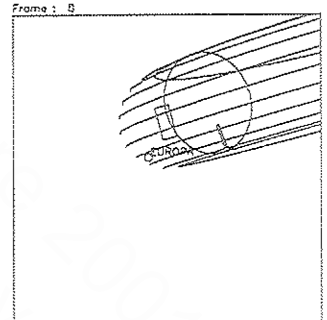
UTC : 1997-091 // 22:55:17.765
SCLK: 1/03894506:19:0:0

Frame : 7



UTC : 1997-092 // 00:33:44.761
SCLK: 1/03894603:52:5:0

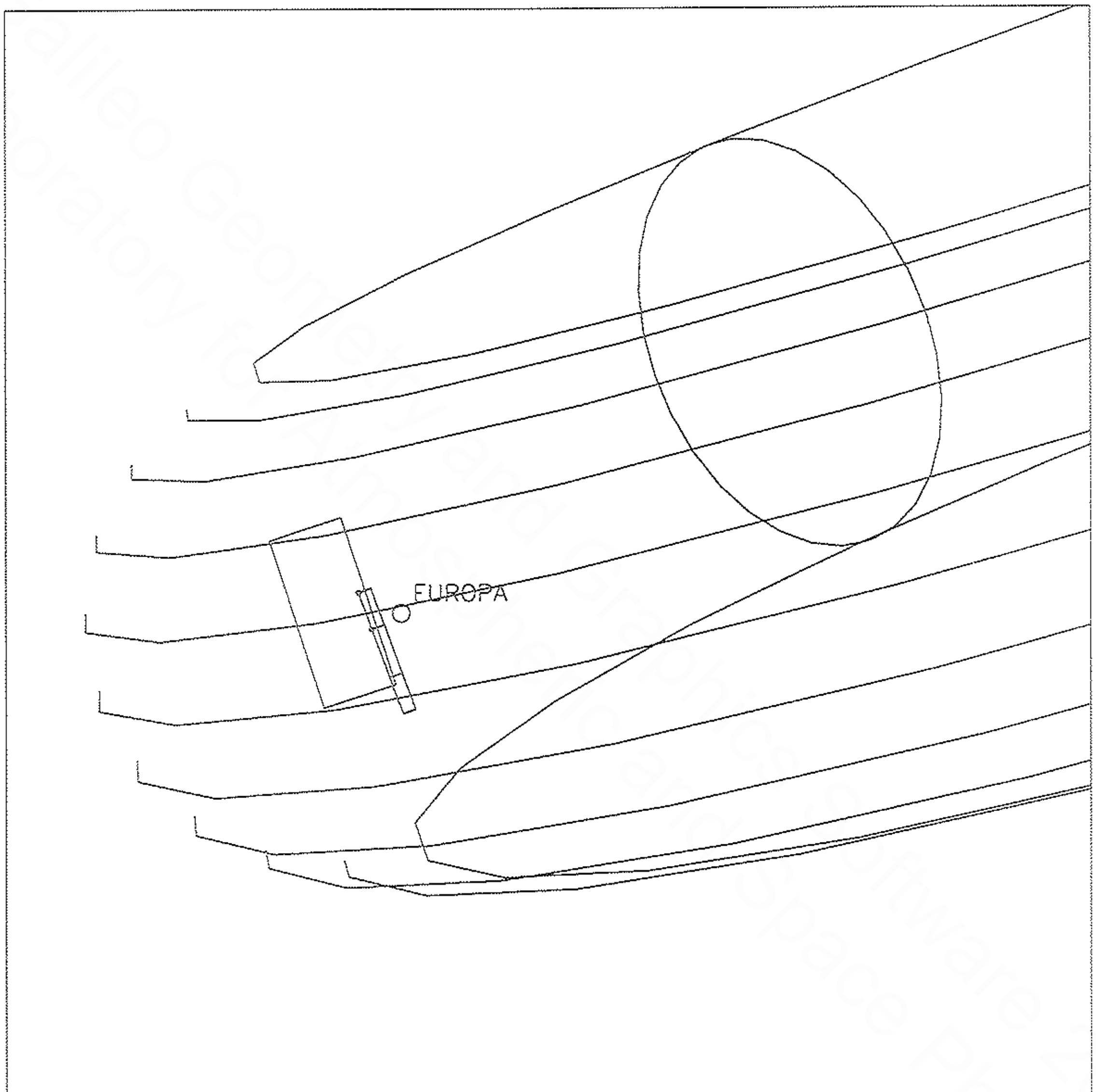
Frame : 8



UTC : 1997-092 // 02:12:11.758
SCLK: 1/03894700:86:0:0

Start UTC_TIME : 1997-091 // 13:04:35.787
No End Time :
Start SCLK : 1/03893922:00:0:0

Target Body : JUPITER
Target Cone/Clock : 74.46/ 96.06 Deg
S/C to Body Center : 2435614. Km (34.068348 Rj)
Z-axis Pointing (Ra / Dec) : 136.90 / 15.10 Deg



Start UTC_TIME : 1997-091 // 23:45:38.430
No End Time :
Start SCLK : 1/03894556:00:0:0

Target Body : JUPITER
Target Cone/Clock : 79.55/ 95.89 Deg
S/C to Body Center : 2175894. Km (30.435484 Rj)
Z-axis Pointing (Ra / Dec) : 136.90 / 15.10 Deg

UVS/EUV MDNT ANSA MAP 2, HI RATE G7 INBD **ACTIVITY ID:** G7TUG7MANS02-

START TIME: 97-091/22:10:39.734

Activity ID: Orbit	G7	**OAPEL**	TUG7MANS	**SeqNo**	02-
Title	UVS/EUV MDNT ANSA MAP 2, HI RATE G7 INBD			**Instrument**	UVS
Requestor	UVS-MWG/S.STEPHENS	**Team**	UVS	**Working Group**	MWG

Time System	CDS	**Load ID**	G7A	**Calendar Date**	04/01/97 Week 14

Start	JEE-CDS 00003613:00:0	97-091/22:10:39.734	JEE-002/12:53:08.666	30.99 Rj
End	JEE-CDS 00003493:00:0	97-092/00:11:59.734	JEE-002/10:51:48.666	30.2 Rj
Duration	00000120:00:0	000/02:01:20.000	000/02:01:20.000	

Top Label	G7TUG7MANS02-				
Bottom Label	(UVS/EUV RTS Torus)				
Plot Key	UVS	**Type**	SCI		
CDS Bytes	164	**Report Options**	BOTH	**Scan Platform**	Yes
CDS Source	PA	**Spin State**	DUAL	**DMS**	No

Observation Objective

```
UVS/EUV IO TORUS MIDNIGHT ANSA MAP 2, HIGH RATE (RIBBON), G7 INBOUND:
  From: 6.08 Rj at cone 90 (ribbon at 5.76 Rj, Sys III W Long 283)
  To:   5.39 Rj at cone 90
  Data rate: Instrument states last 30 RIMS; thus, 9.73 bps UVS, 9.73
bps EUV
OPTRTM/UVFLUSH STRATEGY (17,712 bits per UVS or EUV PACKET):
  UVS/EUV deselected; thus, 30-RIM UVFLUSHes needed to PACKET BOTH
WAVELENGTHS (Angstroms):
  Emission lines: UVS (S+ 1259, O+ 3728, S+ 4070), EUV (S++ 685, S+
765, O+ 834)
  2POSN-22STEP N/G MINISCAN (UVS):  N 4040.9-4098.7 (CTR 4071.2, STEP
436) [EVEN FRAMES],
                                    G 1239.8-1272.1 (CTR 1256.7, STEP
81) [ODD FRAMES]
  2POSN-22STEP N/N MINISCAN (UVS):  N 3700.0-3759.3 (CTR 3731.1, STEP
314) [EVEN FRAMES],
                                    N 4040.9-4098.7 (CTR 4071.2, STEP
```

Design Detail

```
PSID    RIM:mf   CDS PA
-----------------------------------------------------------------------------------
384BE   0        0   COMMENT [UVS RIM 0]
349MD   28:69    28  UVFLUSH [6UVRT, PACKET, BOTH]
157BE   29       52  CMDRS (10+14*3) [PLAN DUR 61, EST UVS CMDS 3]
        30           34UVS,D3,F,N,N,N,S,0,OFF,ON,OFF,ON,OFF,NO,1,5B,4E,00,7A [22STEP N/N]
349ME   58:69    28  UVFLUSH [6UVRT, PACKET, BOTH]
        60           34UVS,D3,F,N,N,N,S,0,OFF,ON,ON,ON,OFF,NO,1,D5,4E,05,63 [22STEP N/G]
349MF   88:69    28  UVFLUSH [6UVRT, PACKET, BOTH]
        90           34UVS,D3,F,N,N,N,S,0,OFF,ON,OFF,ON,OFF,NO,1,5B,4E,00,7A [22STEP N/N]
349MG   118:69   28  UVFLUSH [6UVRT, PACKET, BOTH]
```

Activity ID: Orbit G7 **OAPEL** TUG7MANS **SeqNo** 03-

Title UVS/EUV MDNT ANSA MAP 3, LO RATE G7 INBD **Instrument** UVS

Requestor UVS-MWG/S.STEPHENS **Team** UVS **Working Group** MWG

Time System CDS	**Load ID** G7A	**Calendar Date** 04/02/97	Week 14
Start JEE-CDS 00003493:00:0	97-092/00:11:59.734	JEE-002/10:51:48.666	30.2 Rs
End JEE-CDS 00003373:00:0	97-092/02:13:19.734	JEE-002/08:50:28.666	29.87 Rs
Duration 00000120:00:0	000/02:01:20.000	000/02:01:20.000	

Top Label G7TUG7MANS03-

Bottom Label (UVS/EUV RTS Torus)

Plot Key	UVS	**Type**	SCI		
CDS Bytes	131	**Report Options**	BOTH	**Scan Platform**	Yes
CDS Source	PA	**Spin State**	DUAL	**DMS**	No

Observation Objective

```
UVS/EUV IO TORUS MIDNIGHT ANSA MAP 3, LOW RATE, G7 INBOUND:
  From: 5.39 Rj at cone 90 (ribbon at 5.76 Rj, Sys III W Long 283)
  To:   4.70 Rj (inside ribbon) at cone 90
  Data rate: Instrument states last 60 RIMS; thus, 4.87 bps UVS, 4.87
bps EUV
OPTRTM/UVFLUSH STRATEGY (17,712 bits per UVS or EUV PACKET):
  UVS/EUV deselected; thus, 60-RIM UVFLUSHes needed to PACKET BOTH
WAVELENGTHS (Angstroms):
  Emission lines: UVS (S+ 1259, S+ 4070), EUV (S++ 685, S+ 765, O+
834)
  2POSN-22STEP N/G MINISCAN (UVS):  N 4040.9-4098.7 (CTR 4071.2, STEP
436) [EVEN FRAMES],
                                    G 1239.8-1272.1 (CTR 1256.7, STEP
81) [ODD FRAMES]
  2POSN-1STEP N/N MINISCAN (UVS):   N 4049.2 (STEP 428) [EVEN
FRAMES],
                                    N 4071.2 (STEP 436) [ODD FRAMES]
```

Design Detail

```
PSID    RIM:mf   CDS PA
-------------------------------------------------------------------------
384BF   -2       0   COMMENT [UVS RIM 0]
61BD    -2       37  LOOPER [LOOP PERIOD 120, NUM LOOPS 4]
157BF   -1       38  CMDRS (10+14*2) [PLAN DUR 61, EST UVS CMDS 2]
        0            34UVS,C1,F,N,N,N,S,0,OFF,ON,OFF,ON,OFF,NO,1,D8,06,00,08 [1STEP N/N]
349MH   58:69    28  UVFLUSH [6UVRT, PACKET, BOTH]
        60           34UVS,D3,F,N,N,N,S,0,OFF,ON,ON,ON,OFF,NO,1,D5,4E,05,63 [22STEP N/G]
349MI   118:69   28  UVFLUSH [6UVRT, PACKET, BOTH]
```

Activity ID: Orbit G7 **OAPEL** TUG7MPRO **SeqNo** 01-

Title UVS/EUV MDNT ANSA PROFILE 1, G7 INBD **Instrument** UVS

Requestor UVS-MWG/S.STEPHENS **Team** UVS **Working Group** MWG

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

Start	JEE-CDS 00003373:00:0	97-092/02:13:19.734	JEE-002/08:50:28.666
End	JEE-CDS 00003013:00:0	97-092/08:17:19.734	JEE-002/02:46:28.666
Duration	00000360:00:0	000/06:04:00.000	000/06:04:00.000

Top Label G7TUG7MPRO01-

Bottom Label (UVS/EUV RTS Torus)

Plot Key UVS **Type** SCI

CDS Bytes 228 **Report Options** BOTH **Scan Platform** Yes

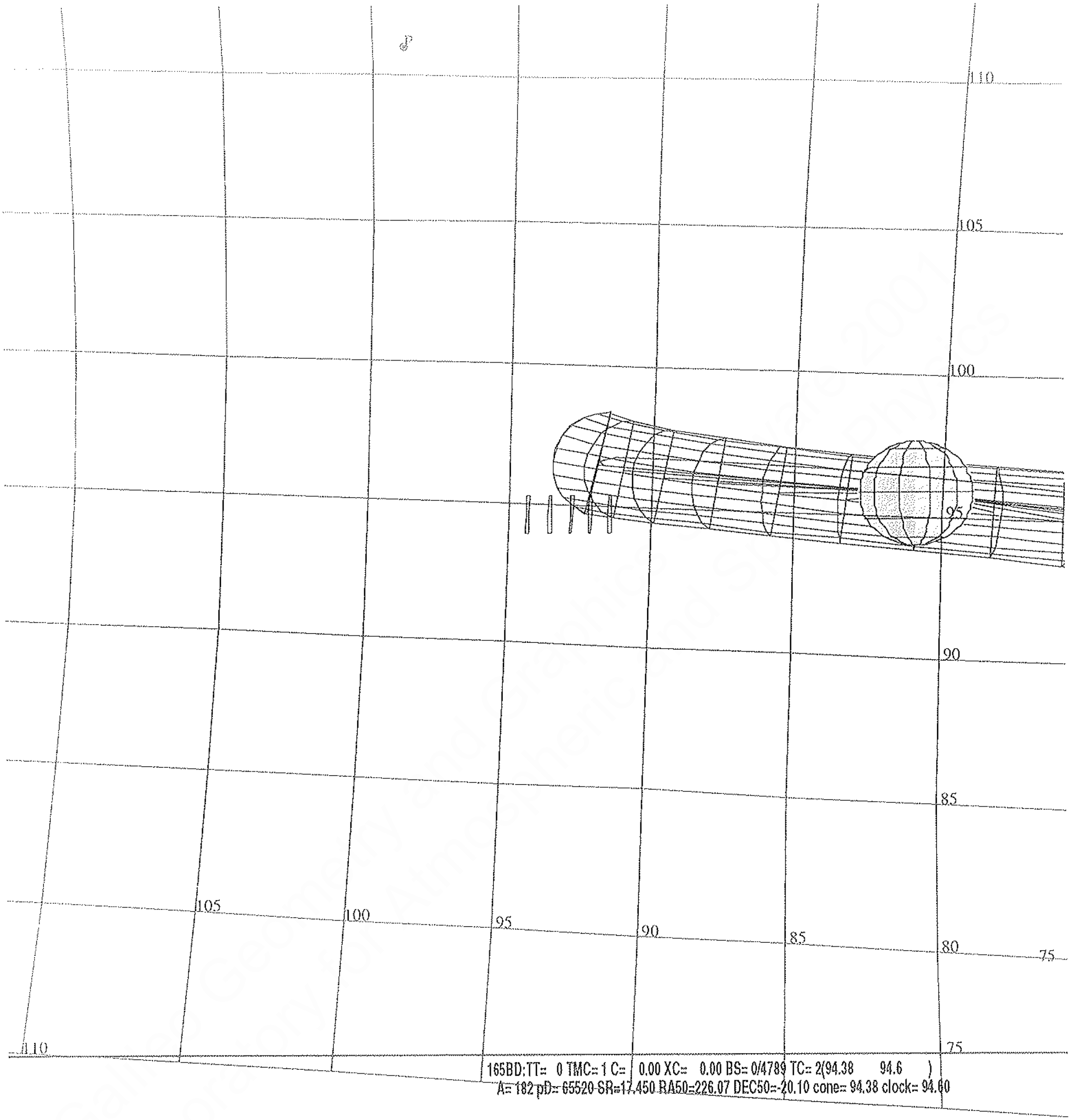
CDS Source PA **Spin State** DUAL **DMS** No

Observation Objective

```
UVS/EUV IO TORUS MIDNIGHT ANSA RADIAL PROFILE 1, G7 INBOUND:
  From: 6.91 Rj (outside ribbon) at cone > 90 (ribbon at 5.76 Rj, Sys
III W Long 142)
  To:   4.66 Rj (inside ribbon) at fixed cone
  Data rate: Instrument states usually last 60 RIMS; thus, 4.87 bps
UVS, 4.87 bps EUV
OPTRTM/UVFLUSH STRATEGY (17,712 bits per UVS or EUV PACKET):
  UVS/EUV deselected; thus, 60-RIM UVFLUSHes needed to PACKET BOTH
WAVELENGTHS (Angstroms):
  Emission lines: UVS (S+ 1259, S+ 4070), EUV (S++ 685, S+ 765, O+
834)
  2POSN-22STEP N/G MINISCAN (UVS):  N 4040.9-4098.7 (CTR 4071.2, STEP
436) [EVEN FRAMES],
                                    G 1239.8-1272.1 (CTR 1256.7, STEP
81) [ODD FRAMES]
  2POSN-1STEP N/N MINISCAN (UVS):   N 4049.2 (STEP 428) [EVEN
FRAMES],
```

Design Detail

```
PSID    RIM:mf   CDS PA
---------------------------------------------------------------------------------
384BG   -1       0   COMMENT [UVS RIM 0]
165BD   0        36  TARGET [CONE 94.38, CLOCK 94.60, POSITION SLEW ALLOCATION 1]
349MK   58:69    28  UVFLUSH [6UVRT, PACKET, BOTH]
349ML   118:69   28  UVFLUSH [6UVRT, PACKET, BOTH]
349MM   178:69   28  UVFLUSH [6UVRT, PACKET, BOTH]
349MN   238:69   28  UVFLUSH [6UVRT, PACKET, BOTH]
349MO   298:69   28  UVFLUSH [6UVRT, PACKET, BOTH]
157BH   349      24  CMDRS (10+14*1) [PLAN DUR 1, EST UVS CMDS 1]
        350          34UVS,C1,F,N,N,N,S,0,OFF,OFF,ON,OFF,OFF,NO,1,2C,05,00,00 [HVOFF]
349MP   358:69   28  UVFLUSH [6UVRT, PACKET, BOTH]
```



ARGET G3.0 lisac: 2/26/1997 10:14:59

ILE:P.G7TUG7MPRO01

ENTRAL BODY:JUPITER

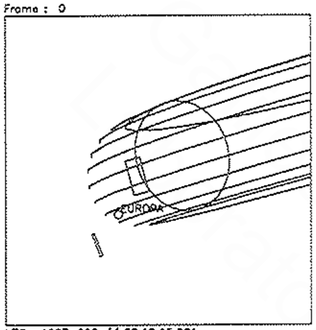
INI:m.target

PH:/DATA/NAVIO/T-970223-TOUR.NS

ERIAPSIS: THINNING:UVS 300 :UVS 300

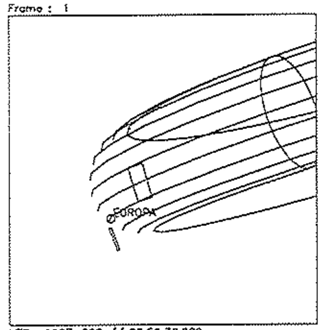
TART:JEE 97-094/11:03:48.400 -CDS 3373:00:0 BODY PLOT TIME:START-TIME D=65520 S= 0.100

Frame : 0



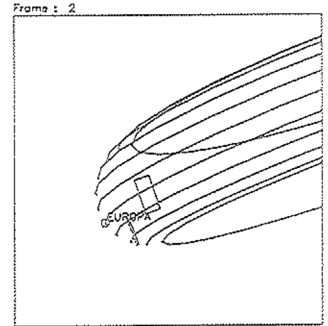
UTC : 1997-092 // 02:12:15.091
SCLK: 1/03894701:00:0:0

Frame : 1



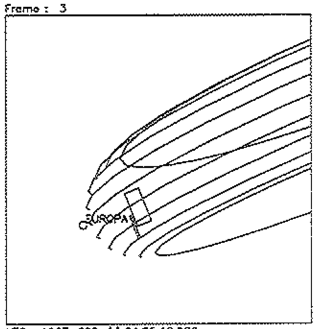
UTC : 1997-092 // 02:56:36.089
SCLK: 1/03894744:78:5:0

Frame : 2



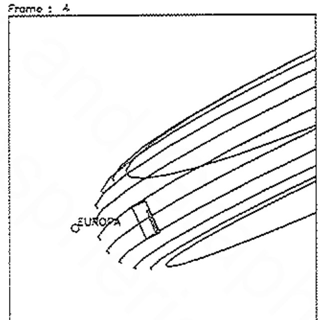
UTC : 1997-092 // 03:40:57.088
SCLK: 1/03894788:66:0:0

Frame : 3



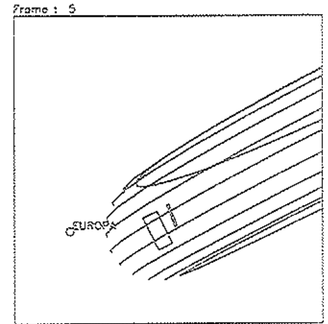
UTC : 1997-092 // 04:25:18.086
SCLK: 1/03894832:53:5:0

Frame : 4



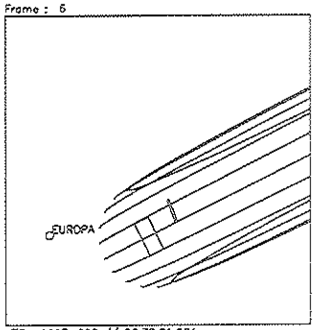
UTC : 1997-092 // 05:09:39.084
SCLK: 1/03894876:41:0:0

Frame : 5



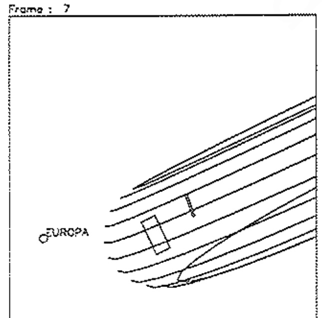
UTC : 1997-092 // 05:54:00.083
SCLK: 1/03894920:28:5:0

Frame : 6



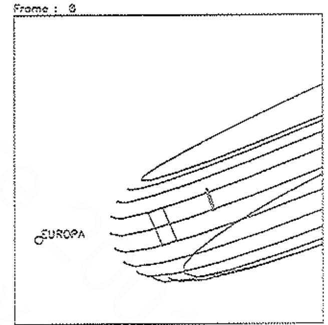
UTC : 1997-092 // 06:38:21.081
SCLK: 1/03894964:16:0:0

Frame : 7



UTC : 1997-092 // 07:22:42.079
SCLK: 1/03895008:03:5:0

Frame : 8



UTC : 1997-092 // 08:07:03.078
SCLK: 1/03895051:82:0:0

Start UTC_TIME : 1997-092 // 02:12:15.091
No End Time :
Start SCLK : 1/03894701:00:0:0

Target Body : JUPITER
Target Cone/Clock : 80.89/ 95.84 Deg
S/C to Body Center : 2114021. Km (29.570033 Rj)
Z-axis Pointing (Ra / Dec) : 136.90 / 15.10 Deg

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

Title EUV AURORA CONFIGURE, G7 INBOUND **Instrument** EUV

Requestor UVS-MWG/S.STEPHENS **Team** UVS **Working Group** MWG

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

Start	JEE-CDS 00002773:00:0	97-092/12:19:59.734	JEE-001/22:43:48.666
End	JEE-CDS 00002765:00:0	97-092/12:28:05.067	JEE-001/22:35:43.333
Duration	00000008:00:0	000/00:08:05.333	000/00:08:05.333

Top Label G7TVEUVAUR01-

Bottom Label (EUV Aurora Configure)

Plot Key	EUV	**Type**	SCI		
CDS Bytes	228	**Report Options**	BOTH	**Scan Platform**	No
CDS Source	PA	**Spin State**	DUAL	**DMS**	No

Observation Objective

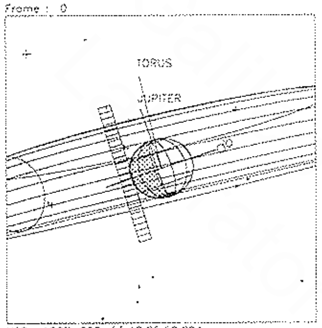
```
EUV AURORA CONFIGURE, G7 INBOUND:
  UVFLUSH needed to PACKET EUV before changing FPNT
  Load aurora Fixed Pattern Noise Table (FPNT), using Phase 2 EUVAUR
library sequence
  Configure EUV for taking data, using an EUVCMD PA
NOTE: 1 scan per sector for Jupiter aurora observations, with same
starting step as in E6A
```

Design Detail

```
PSID    RIM:mf   CDS PA
--------------------------------------------------------------------------------
384BH   0        0   COMMENT [UVS RIM 0]
349MQ   0:69     28  UVFLUSH [6UVRT, PACKET, EUV]
        3        179 [LOAD PHASE 2 EUVAUR LIBRARY SEQUENCE]
351BB   5        21  EUVCMD [TARGET BODY AURORA]
        5            24EUV,N,C,3,5D,C,1,18 [STARTING STEP 93, 1 SCAN/SECTOR, 24 SECTORS]
```

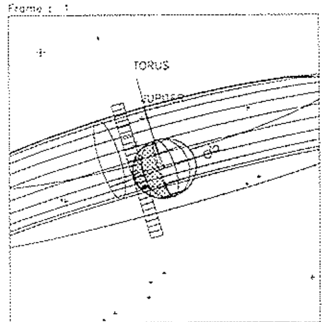
G7TVEUVAUR01

Frame : 0



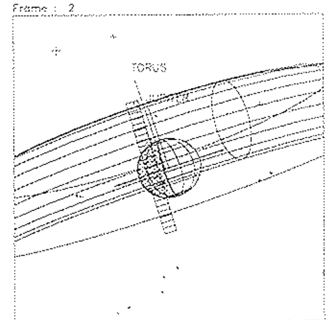
UTC : 1997-092 // 12:25:59.884
SCLK: 1/03895308:00:0:0

Frame : 1



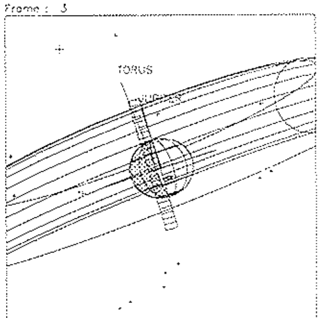
UTC : 1997-092 // 13:17:49.051
SCLK: 1/03895359:22:7.4

Frame : 2



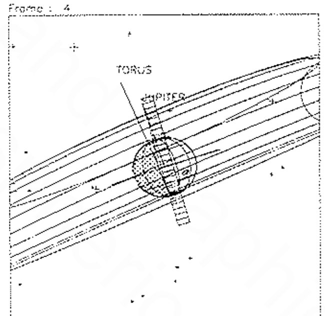
UTC : 1997-092 // 14:09:38.218
SCLK: 1/03895410:45:5.1

Frame : 3



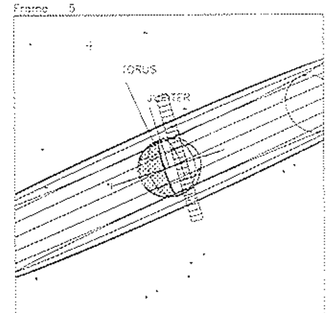
UTC : 1997-092 // 15:01:27.385
SCLK: 1/03895461:68:2:5

Frame : 4



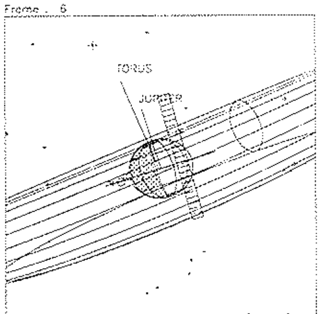
UTC : 1997-092 // 15:53:16.552
SCLK: 1/03895513:00:0:1

Frame : 5



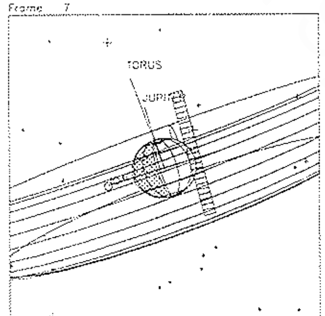
UTC : 1997-092 // 16:45:05.719
SCLK: 1/03895564:22:7.5

Frame : 6



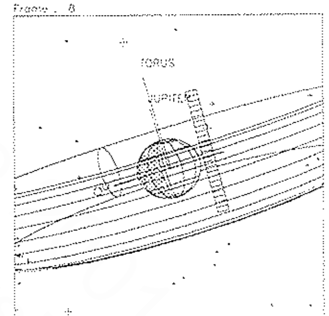
UTC : 1997-092 // 17:36:54.886
SCLK: 1/03895615:45:5.2

Frame : 7



UTC : 1997-092 // 18:28:44.053
SCLK: 1/03895666:68:2:6

Frame : 8



UTC : 1997-092 // 19:20:33.220
SCLK: 1/03895718:00:0:2

Start UTC_TIME : 1997-092 // 12:25:59.884
No End Time :
Start SCLK : 1/03895308:00:0:0

Target Body : JUPITER
Target Ra/Dec : 219.37/-17.26 Deg
S/C to Body Center : 1844433. Km (25.799153 Rj)
Z-axis Pointing (Ra / Dec) : 136.93 / 15.12 Deg

Activity ID: Orbit G7   **OAPEL** JUG7AURA   **SeqNo** 01-

Title UVS/EUV AURORA MAP 1, LO RATE G7 INBD   **Instrument** UVS

Requestor UVS-MWG/S.STEPHENS   **Team** UVS   **Working Group** MWG

Time System	CDS	**Load ID** G7A	**Calendar Date** 04/02/97	Week	14
Start	JEE-CDS 00002765:00:0	97-092/12:28:05.067	JEE-001/22:35:43.333		
End	JEE-CDS 00002723:00:0	97-092/13:10:33.067	JEE-001/21:53:15.333		
Duration	00000042:00:0	000/00:42:28.000	000/00:42:28.000		

Top Label G7JUG7AURA01-

Bottom Label (UVS/EUV RTS Aurora)

Plot Key	UVS	**Type**	SCI		
CDS Bytes	162	**Report Options**	BOTH	**Scan Platform**	Yes
CDS Source	PA	**Spin State**	DUAL	**DMS**	No

Observation Objective

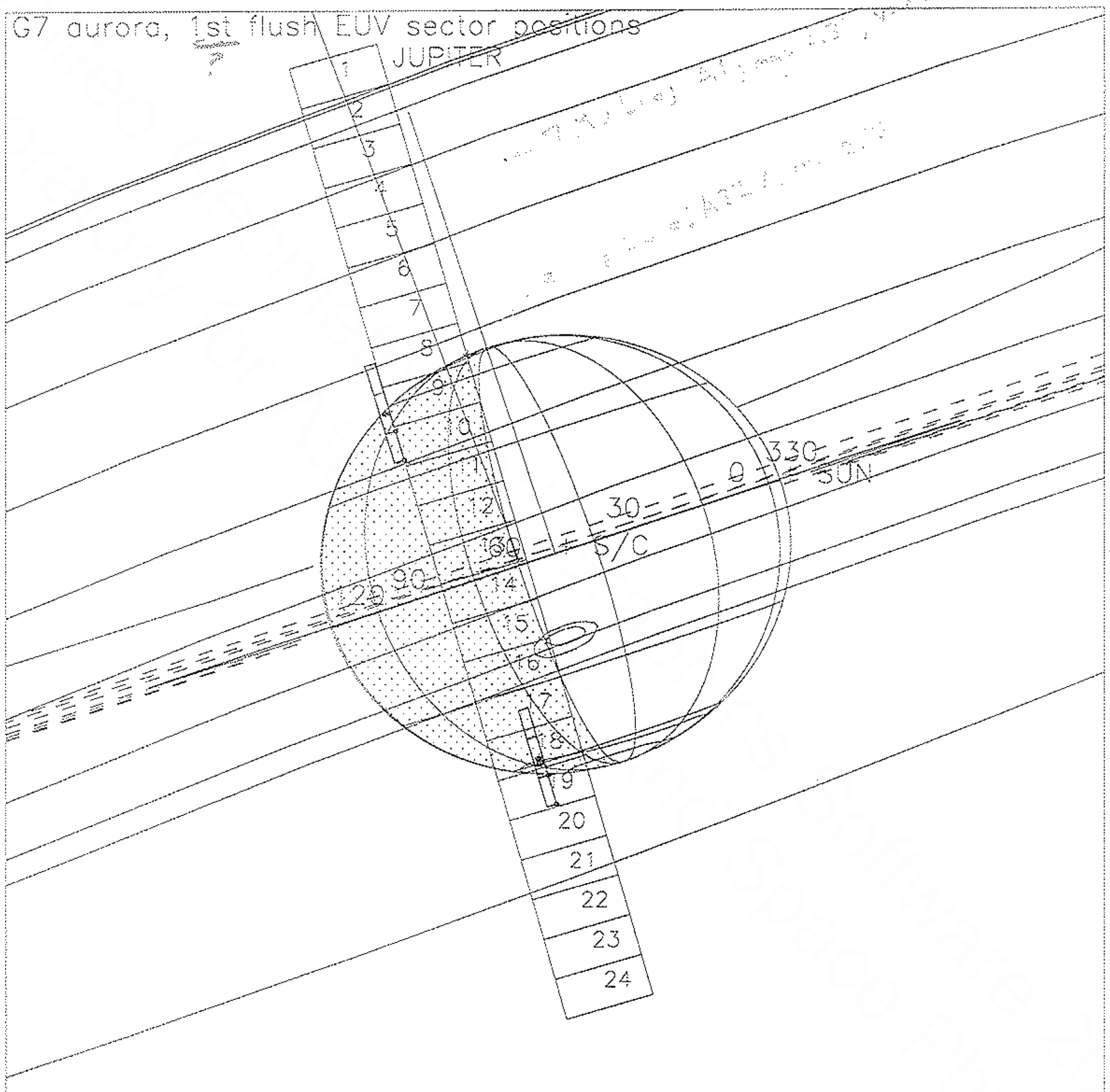
```
UVS/EUV JUPITER AURORA MAP 1 (SKY BACKGROUND FOR DARKSIDE EQUATOR),
LO RATE, G7 INBOUND:
  From: 1.2 Rj (outside Jupiter) at cone 90, TARGETing darkside
Jupiter sky background
  To:   0.8 Rj at cone 90
  Data rate: Instrument states last 40 RIMS; thus, 7.30 bps UVS, 7.30
bps EUV
OPTRTM/UVFLUSH STRATEGY (17,712 bits per UVS or EUV PACKET):
  UVS/EUV deselected; thus, 40-RIM UVFLUSH needed to PACKET BOTH,
after initial DISCRD
WAVELENGTHS (Angstroms):
  Emission lines: UVS (H2 1253)
  2POSN-88STEP G/G (UVS):   G 1131.5-1265.9 (CTR 1199.7, STEP 44)
[EVEN FRAMES],
                            G 1199.7-1333.4 (CTR 1267.5, STEP 88)
[ODD FRAMES]
  Strategy for MINISCANS:   Use 2POSN-88STEP G/G for equatorial
```

Design Detail

```
PSID   RIM:mf  CDS PA
---------------------------------------------------------------------------------
384BI  0       0   COMMENT [UVS RIM 0]
157BI  1       80  CMDRS (10+14*5) [PLAN DUR 133, EST UVS CMDS 5]
349MS  1:69    28  UVFLUSH [6UVRT, DISCRD, BOTH]
165BE  2       36  TARGET [CONE 90.00, CLOCK 93.50, POSITION SLEW ALLOCATION 2]
       2           34UVS,DF,F,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NO,1,2C,7D,00,2C [88STEP G/G]
349MT  30:69   28  UVFLUSH [6UVRT, PACKET, BOTH]
       32          34UVS,C1,F,N,N,N,S,0,OFF,OFF,ON,OFF,OFF,NO,1,2C,05,00,00 [HVOFF]
```

1997-092/14:43:30   ~~1st flush~~ 3895444
1997-092/15:47:12   2nd flush 3895507

Tue Dec 8 22:16:33 1998

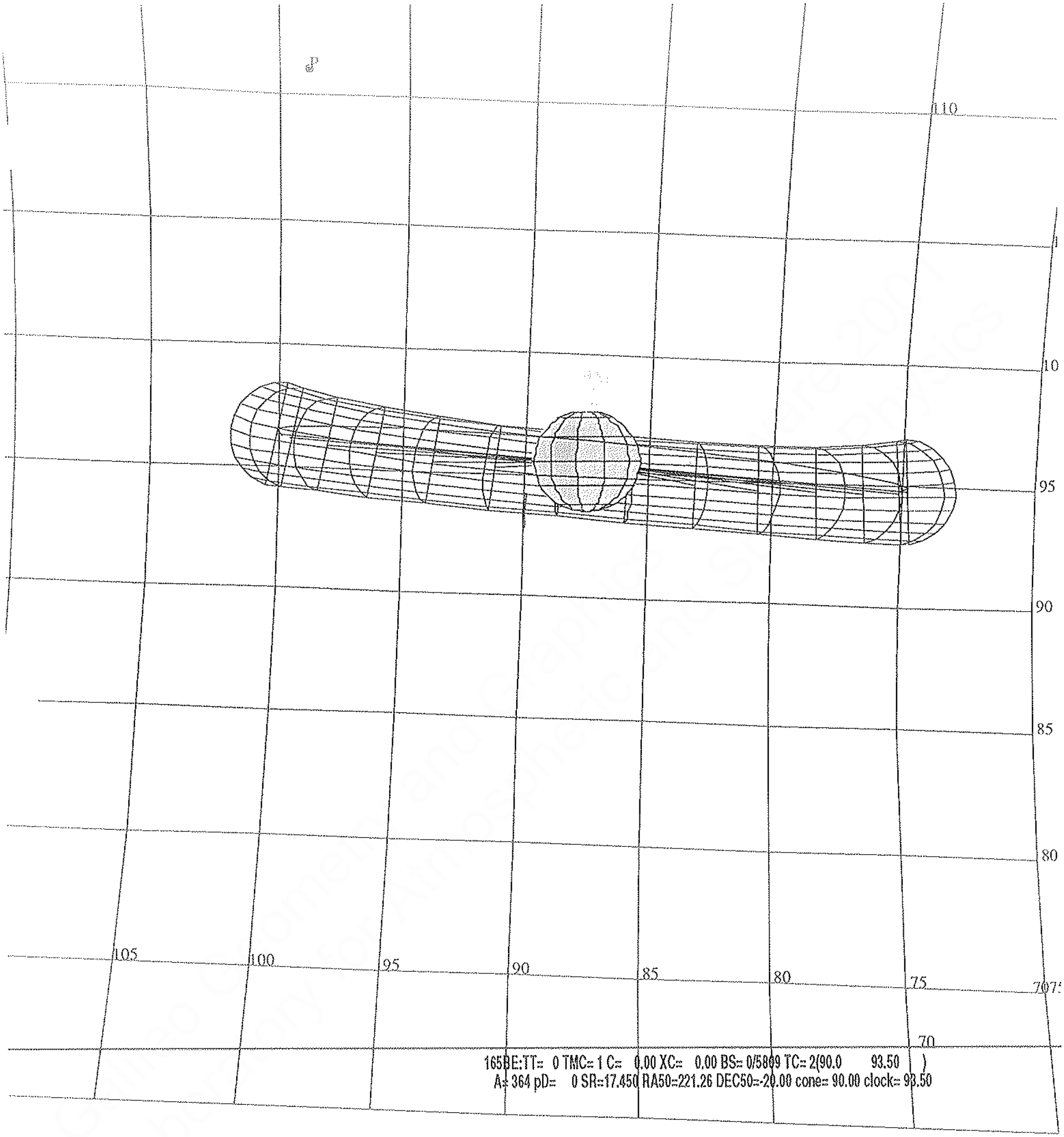


Start UTC_TIME : 1997-092 // 14:43:30.546
End UTC_TIME : 1997-092 // 15:47:12.543
Start SCLK : 1/03895444:00:0:0
Delta Time between FOV : 300.0000
FOVs : F Channel(0.1x0.4), N/G Channel(0.1x1.0)

Target Body : JUPITER
Target Ra/Dec : 221.13/-17.81 Deg
S/C to Body Center : 1781563. Km (24.919749 Rj)
Z-axis Pointing (Ra / Dec) : 136.89 / 15.08 Deg

(before bright UVS
Flusher in G7)

UVS/SSI goes within record 25



ARGET G3.0 lisac: 2/26/1997 10:14:59

ILE:P.G7JUG7AURA01

ENTRAL BODY:JUPITER

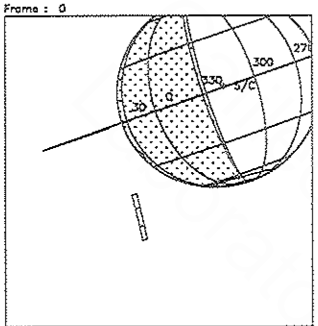
INI:m.target

PH:/DATA/NAVIO/T-970223-TOUR.NS

ERIAPSIS: THINNING: :UVS 300

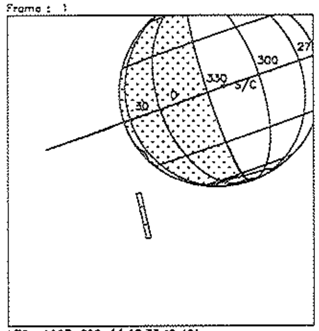
TART:JEE 97-094/11:03:48.400 -CDS 2763:00:0 BODY PLOT TIME:TARGET-TIME D= 0 S= 0.100

Frame : 0



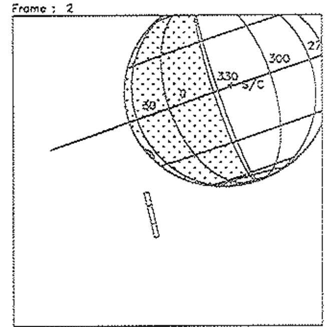
UTC : 1997-092 // 12:30:02.401
SCLK: 1/03895312:00:0:0

Frame : 1



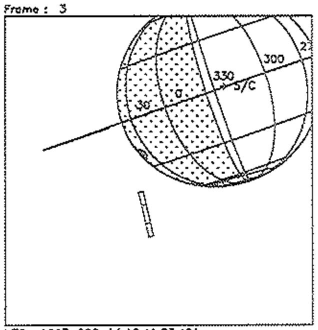
UTC : 1997-092 // 12:33:49.401
SCLK: 1/03895315:67:5:0

Frame : 2



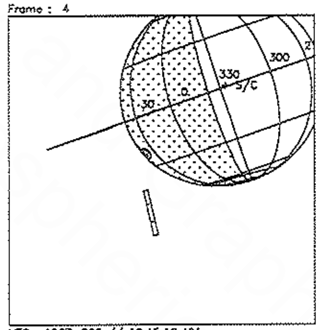
UTC : 1997-092 // 12:37:36.401
SCLK: 1/03895319:44:0:0

Frame : 3



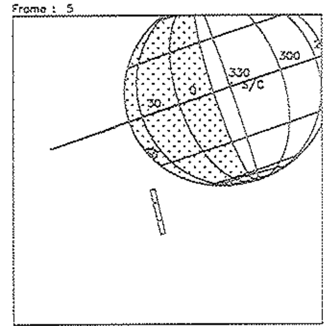
UTC : 1997-092 // 12:41:23.401
SCLK: 1/03895323:20:5:0

Frame : 4



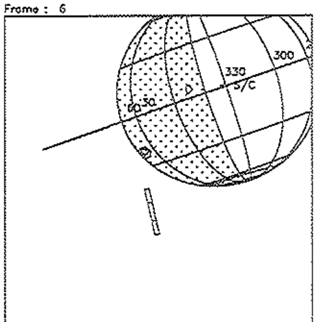
UTC : 1997-092 // 12:45:10.401
SCLK: 1/03895326:88:0:0

Frame : 5



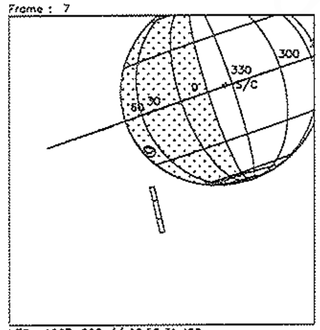
UTC : 1997-092 // 12:48:57.401
SCLK: 1/03895330:64:5:0

Frame : 6



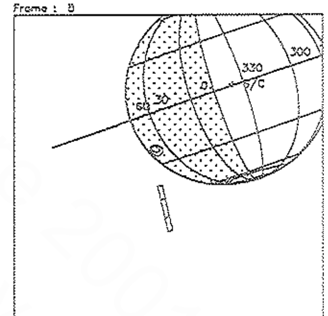
UTC : 1997-092 // 12:52:44.401
SCLK: 1/03895334:41:0:0

Frame : 7



UTC : 1997-092 // 12:56:31.400
SCLK: 1/03895338:17:5:0

Frame : 8



UTC : 1997-092 // 13:00:18.400
SCLK: 1/03895341:85:0:0

Start UTC_TIME : 1997-092 // 12:30:02.401
No End Time :
Start SCLK : 1/03895312:00:0:0

Target Body : JUPITER
Target Cone/Clock : 87.56/ 95.63 Deg
S/C to Body Center : 1842492. Km (25.772008 Rj)
Z-axis Pointing (Ra / Dec) : 136.90 / 15.10 Deg

Activity ID: Orbit G7 OAPEL JUG7AURA SeqNo 02-

Title UVS/EUV AURORA MAP 2, HI RATE G7 INBD Instrument UVS

Requestor UVS-MWG/S.STEPHENS Team UVS Working Group MWG

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

Start	JEE-CDS 00002723:00:0	97-092/13:10:33.067	JEE-001/21:53:15.333
End	JEE-CDS 00002631:00:0	97-092/14:43:34.400	JEE-001/20:20:14.000
Duration	00000092:00:0	000/01:33:01.333	000/01:33:01.333

Top Label G7JUG7AURA02-

Bottom Label (UVS/EUV RTS Aurora)

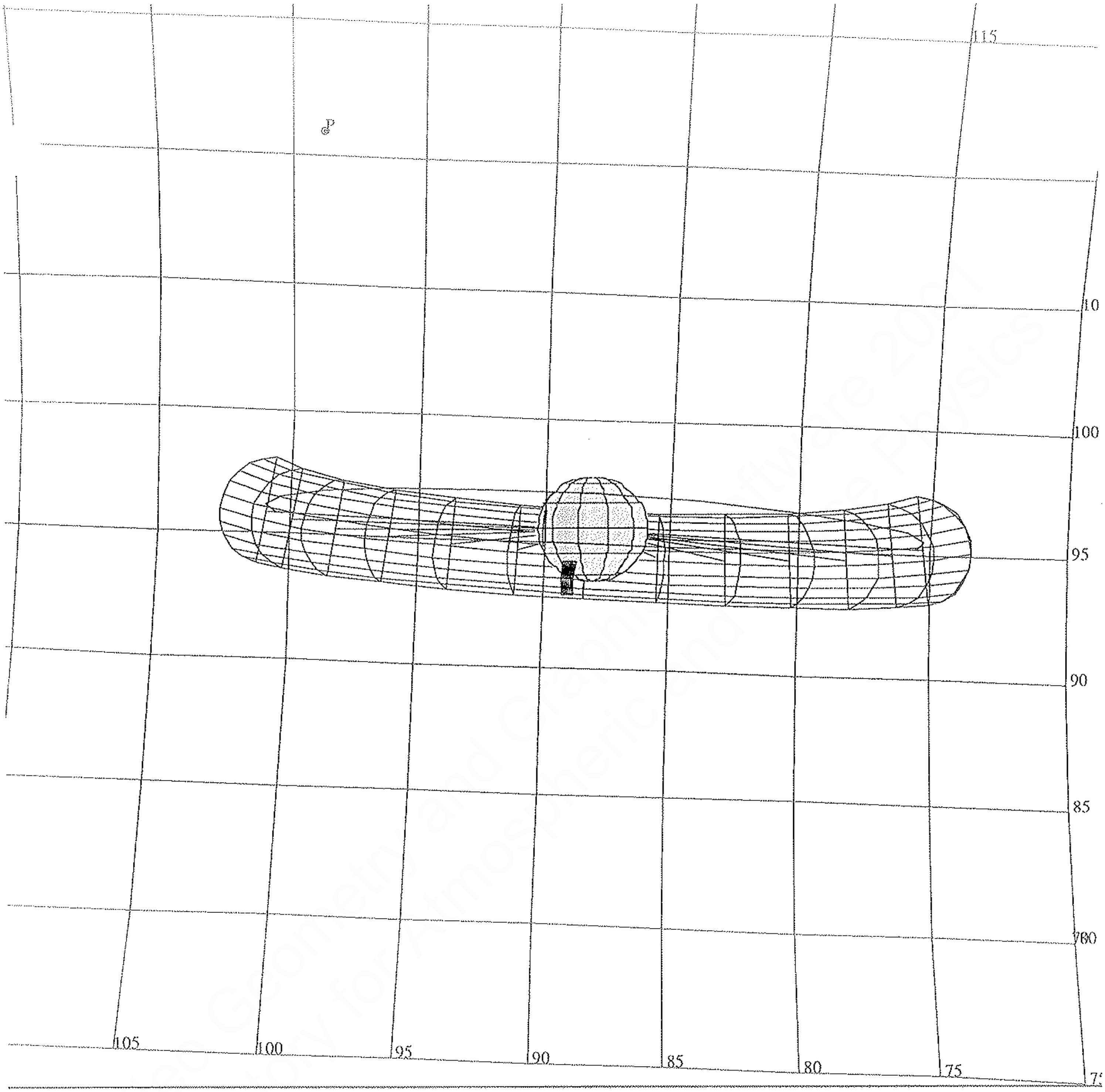
Plot Key	UVS	Type	SCI		
CDS Bytes	128	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	No

Observation Objective

```
UVS/EUV JUPITER AURORA MAP 2 (DARKSIDE EQUATOR AND SOUTHERN AURORA),
HIGH RATE, G7 INBOUND:
  From: 0.8 Rj at cone 90, TARGETing darkside Jupiter equator
  To:   0.4 Rj at cone 90, TARGETing darkside southern hemisphere
aurora
  Data rate: Instrument states last 30 RIMS; thus, 9.73 bps UVS, 9.73
bps EUV
OPTRTM/UVFLUSH STRATEGY (17,712 bits per UVS or EUV PACKET):
  UVS/EUV deselected; thus, 30-RIM UVFLUSHes needed to PACKET BOTH
WAVELENGTHS (Angstroms):
  Emission lines: UVS (H2 1253, H2 1611)
  2POSN-88STEP G/G (UVS):   G 1131.5-1265.9 (CTR 1199.7, STEP 44)
[EVEN FRAMES],
                            G 1199.7-1333.4 (CTR 1267.5, STEP 88)
[ODD FRAMES]
  FULLSCAN F/G (UVS):   F 1616.5-3227.9 (CTR 2436.8, STEP 264) [EVEN
FRAMES],
```

Design Detail

```
PSID    RIM:mf   CDS PA
--------------------------------------------------------------------------------
384BJ   0        0    COMMENT [UVS RIM 0]
165BF   2        36   TARGET [CONE 90.00, CLOCK 95.55, POSITION SLEW ALLOCATION 2]
        2             34UVS,DF,F,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NO,1,2C,7D,00,2C [88STEP G/G]
349MW   60:69    28   UVFLUSH [6UVRT, PACKET, BOTH]
165BG   62       36   TARGET [CONE 90.00, CLOCK 93.50, POSITION SLEW ALLOCATION 1]
        62            34UVS,07,S,N,N,N,S,0,ON,OFF,ON,ON,OFF,NO,1,00,9C,01,2C [FULLSCAN F/G]
349MX   90:69    28   UVFLUSH [6UVRT, PACKET, BOTH]
        92            34UVS,C1,F,N,N,N,S,0,OFF,OFF,ON,OFF,OFF,NO,1,2C,05,00,00 [HVOFF]
```



165BF:TT= 0 TMC= 1 C= 0.00 XC= 0.00 BS= 0/3453 TC= 2(90.0 95.55)
A= 364 pD= 0 SR=17.450 RA50=221.86 DEC50=-18.03 cone= 90.00 clock= 95.55
165BG:TT= 0 TMC= 1 C= 0.00 XC= 0.00 BS= 0/4373 TC= 2(90.0 93.5)
A= 182 pD= 0 SR=17.450 RA50=221.26 DEC50=-20.00 cone= 90.00 clock= 93.50

ARGET G3.0 lisac: 2/26/1997 10:14:59

ILE:P.G7JUG7AURA02

ENTRAL BODY:JUPITER

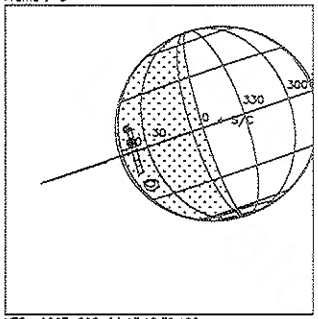
INI:m.target

.PH:/DATA/NAVIO/T-970223-TOUR.NS

ERIAPSIS: THINNING:UVS 300 :UVS 300

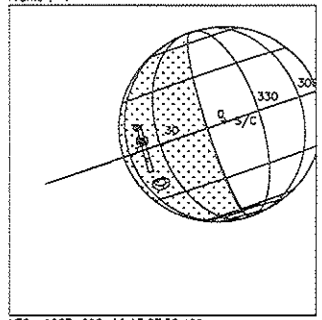
TART:JEE 97-094/11:03:48.400 -CDS 2721:00:0 BODY PLOT TIME:TARGET-TIME D= 0 S= 0.100

Frame : 0



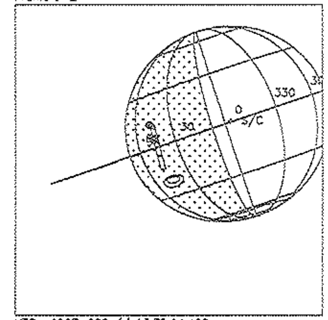
UTC : 1997-092 // 13:12:30.400
SCLK: 1/03895354:00:0:0

Frame : 1



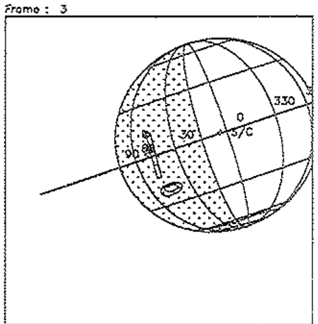
UTC : 1997-092 // 13:23:52.400
SCLK: 1/03895385:22:0:0

Frame : 2



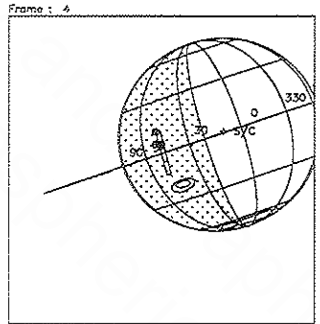
UTC : 1997-092 // 13:35:14.400
SCLK: 1/03895376:44:0:0

Frame : 3



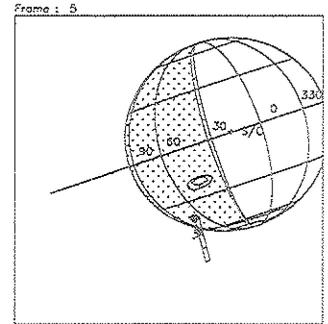
UTC : 1997-092 // 13:46:36.400
SCLK: 1/03895387:66:0:0

Frame : 4



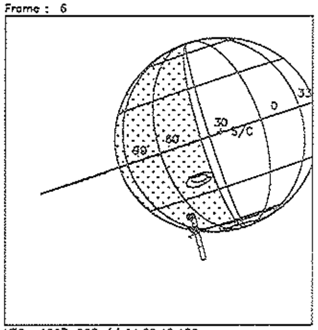
UTC : 1997-092 // 13:57:58.400
SCLK: 1/03895398:88:0:0

Frame : 5



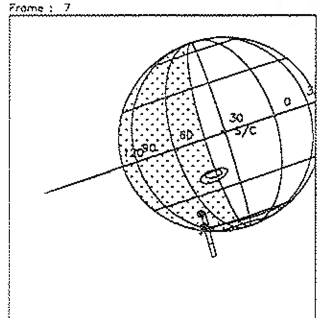
UTC : 1997-092 // 14:09:20.400
SCLK: 1/03895410:19:0:0

Frame : 6



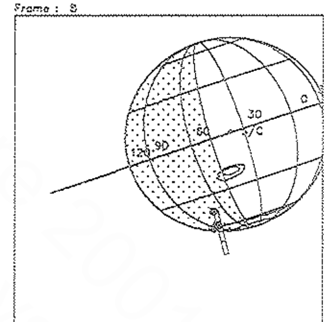
UTC : 1997-092 // 14:20:42.400
SCLK: 1/03895421:41:0:0

Frame : 7



UTC : 1997-092 // 14:32:04.400
SCLK: 1/03895432:63:0:0

Frame : 8



UTC : 1997-092 // 14:43:25.400
SCLK: 1/03895443:85:0:0

Start UTC_TIME : 1997-092 // 13:12:30.400
End UTC_TIME : 1997-092 // 14:43:30.397
Start SCLK : 1/03895354:00:0:0
Delta Time between FOV : 682.0000
FOVs : F Channel(0.1x0.4), N/G Channel(0.5x0.5)

Target Body : JUPITER
Target Cone/Clock : 88.10/ 95.61 Deg
S/C to Body Center : 1823167. Km (25.501590 Rj)
Z-axis Pointing (Ra / Dec) : 136.90 / 15.10 Deg

Activity ID: Orbit	G7	OAPEL	JVG7AURA	SeqNo	03-
Title	EUV AURORA MAP 3, LO RATE G7 INBD			Instrument	EUV
Requestor	UVS-MWG/S.STEPHENS	Team	UVS	Working Group	MWG

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

Start	JEE-CDS 00002631:00:0	97-092/14:43:34.400	JEE-001/20:20:14.000
End	JEE-CDS 00002360:00:0	97-092/19:17:35.067	JEE-001/15:46:13.333
Duration	00000271:00:0	000/04:34:00.667	000/04:34:00.667

Top Label G7JVG7AURA03-

Bottom Label (EUV RTS Aurora)

Plot Key	EUV	Type	SCI		
CDS Bytes	0	Report Options	BOTH	Scan Platform	No
CDS Source	PA	Spin State	DUAL	DMS	No

Observation Objective

EUV JUPITER AURORA MAP 3, LOW RATE, G7 INBOUND:
From: 0.4 Rj at cone 90, on darkside
To: 1.0 Rj at cone 90, on brightside (just outside Jupiter)
Data rate: Instrument states usually last 30 or 60 RIMS; thus, 9.73 or 4.87 bps EUV
OPTRTM/UVFLUSH STRATEGY (17,712 bits per UVS or EUV PACKET):
UVS/EUV deselected; thus, 30- or 60-RIM UVFLUSHes needed to PACKET EUV
WAVELENGTHS (Angstroms):
EUV only, since UVS is being used by UVS-AWG for Jupiter observations
NOTE: Collaborative observation of northern auroral oval occurs at the same time,
involving UVS-AWG (real-time) and ridealongs by SSI (recorded) and NIMS (real-time)

Design Detail

PSID	RIM:mf	CDS	PA	
384BK	0	0	COMMENT [UVS RIM 0]	
*349AC	62:69	28	UVFLUSH [6UVRT, PACKET, EUV]	*NOTE: part of UVS-AWG PACKET BOTH
*349AE	113:69	28	UVFLUSH [6UVRT, PACKET, EUV]	*NOTE: part of UVS-AWG PACKET BOTH
*349AG	154:69	28	UVFLUSH [6UVRT, PACKET, EUV]	*NOTE: part of UVS-AWG PACKET BOTH
*349AH	184:69	28	UVFLUSH [6UVRT, PACKET, EUV]	*NOTE: part of UVS-AWG PACKET BOTH
*349AI	214:69	28	UVFLUSH [6UVRT, PACKET, EUV]	*NOTE: part of UVS-AWG PACKET BOTH
*349AJ	235:69	28	UVFLUSH [6UVRT, PACKET, EUV]	*NOTE: part of UVS-AWG PACKET BOTH
*349AL	269:69	28	UVFLUSH [6UVRT, PACKET, EUV]	*NOTE: part of UVS-AWG PACKET BOTH