| | | | |
|---|---|---|---|
| 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 |

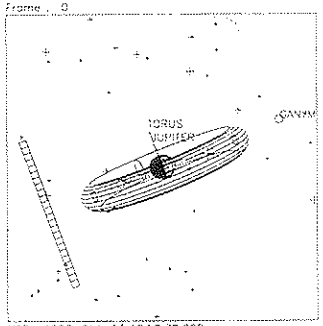
## Observation Objective

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

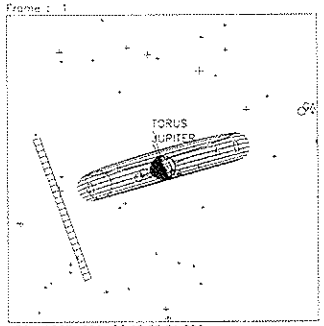
| PSID | RIM:mf | CDS | PA |
|---|---|---|---|
| 384BC | 0 | 0 | COMMENT [UVS RIM 0] |
| | 0 | 900 | [LOAD PHASE 2 EUVON LIBRARY SEQUENCE] |
| | 6 | 179 | [LOAD PHASE 2 EUVTOR LIBRARY SEQUENCE] |
| 351BA | 8 | 21 | EUVCMD [TARGET BODY TORUS] |
| | 8 | | 24EUV,N,C,3,5A,C,2,18 [STARTING STEP 90, 2 SCANS/SECTOR,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

Frame : 0



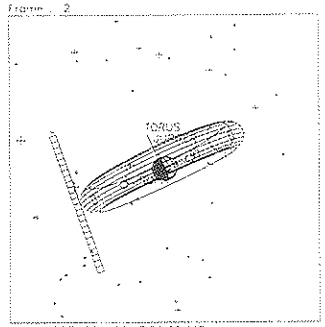

UTC : 1997-091 // 12:59:32.602
SCLK: 1/0389J917:00:0:0

Frame : 1



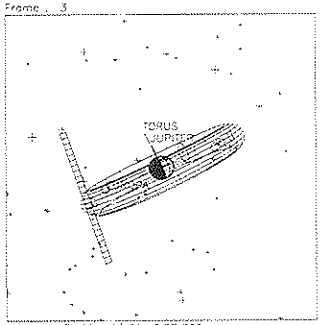

UTC : 1997-091 // 15:55:21.022
SCLK: 1/0389409D:79:6:3

Frame : 2



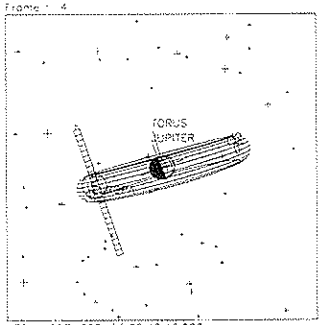

UTC : 1997-091 // 18:51:09.442
SCLK: 1/03894264:68:2:6

Frame : 3



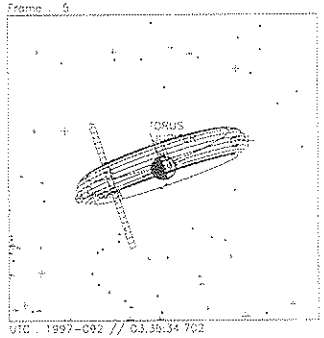

UTC : 1997-091 // 21:46:57.862
SCLK: 1/03894J3B:55:9:2

Frame : 4



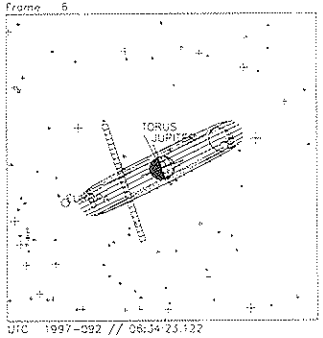

UTC : 1997-092 // 00:42:45.287
SCLK: 1/03894612:45:5:5

Frame : 5



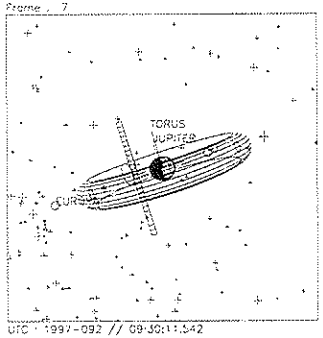

UTC : 1997-092 // 03:38:34.702
SCLK: 1/03894786:34:2:0

Frame : 6



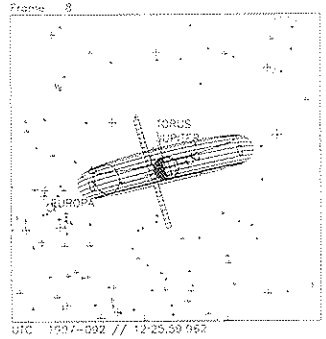

UTC : 1997-092 // 06:34:23.122
SCLK: 1/03894960:22:8:5

Frame : 7




UTC : 1997-092 // 09:30:11.542
SCLK: 1/03895134:11:4:8

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

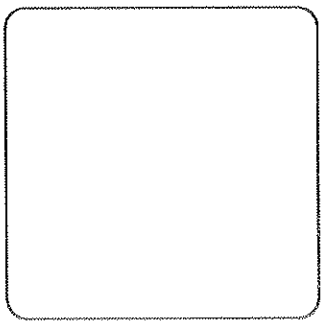
Target Body : JUPITER
Target Ra/Dec : 206.65/-12.73 Deg
S/C to Body Center : 2437760. Km ( 34.098361 Rj )
Z-axis Pointing ( Ra / Dec ) : 136.87 / 15.08 Deg

| | | | | | |
|---|---|---|---|---|---|
| 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 |

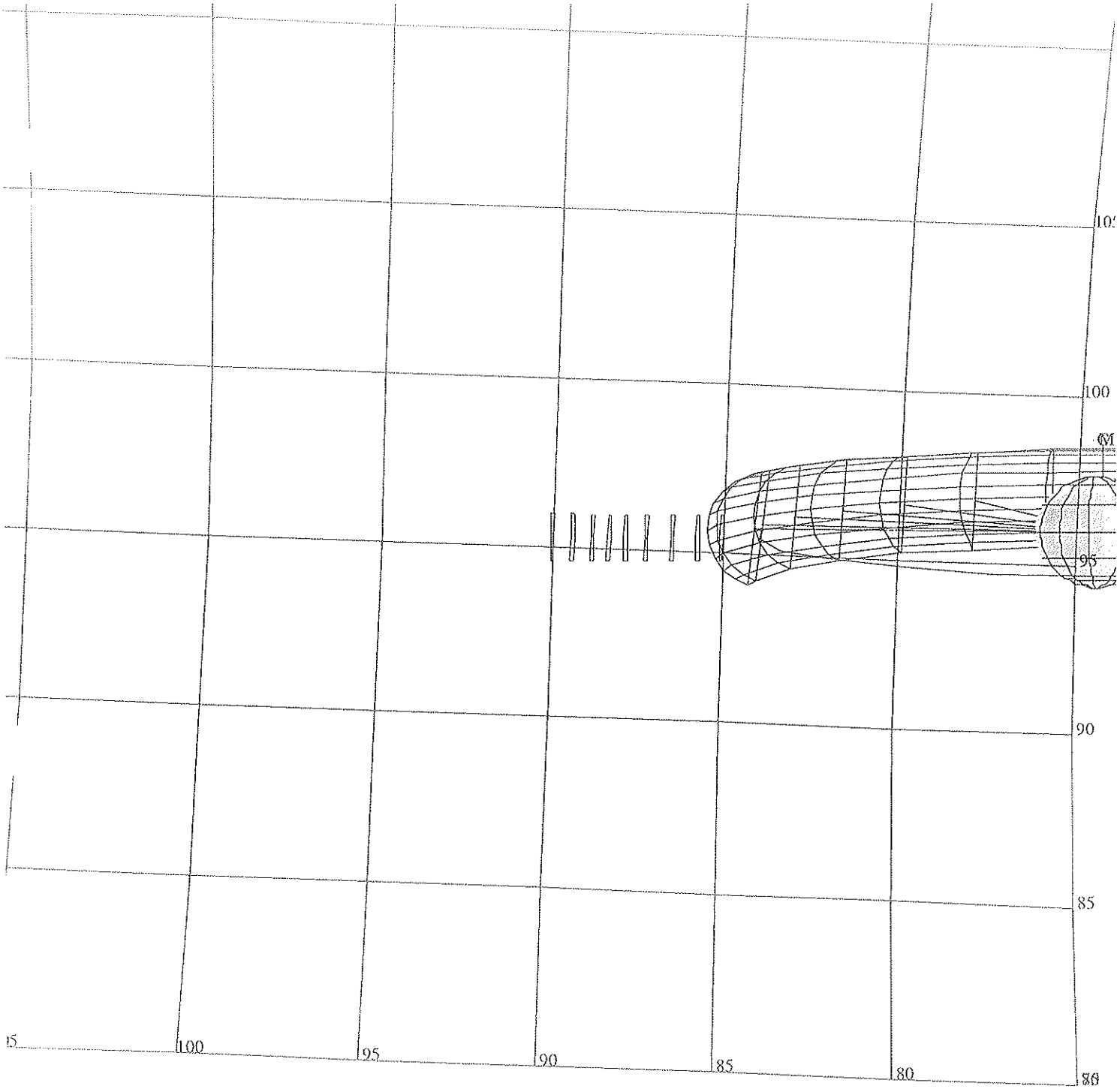
## Observation Objective



```
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

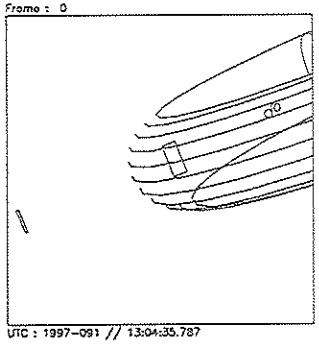
INI:m.target

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

ERIAPSIS: THINNING:UVS 100 :UVS 300

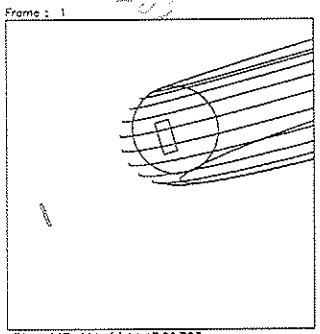
TART:JEE 97-094/11:03:48.400 -CDS 4153:00:0 BODY PLOT TIME:START-TIME D= 0 S= 0.100

Frame : 0



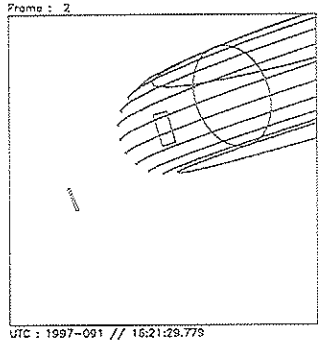
UTC : 1997-091 // 13:04:35.787
SCLK: 1/03893922:00:0:0

Frame : 1



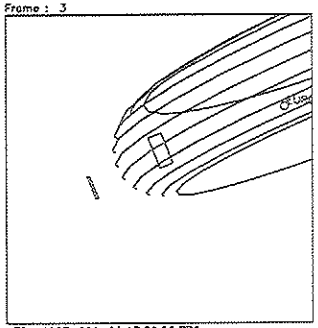
UTC : 1997-091 // 14:43:02.783
SCLK: 1/03894019:33:5:0

Frame : 2



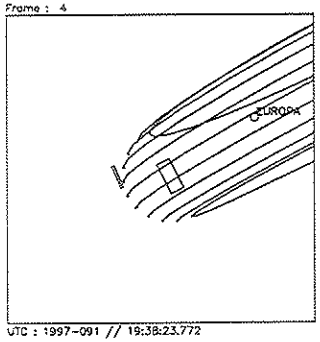
UTC : 1997-091 // 16:21:29.779
SCLK: 1/03894116:67:0:0

Frame : 3



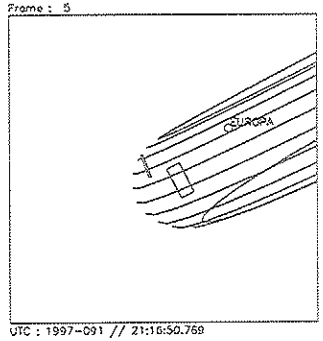
UTC : 1997-091 // 17:59:56.776
SCLK: 1/03894214:09:5:0

Frame : 4



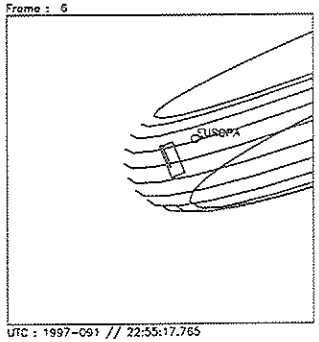

UTC : 1997-091 // 19:38:23.772
SCLK: 1/03894311:43:0:0

Frame : 5



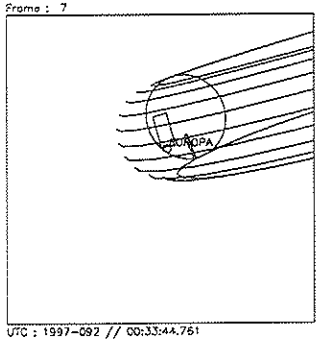

UTC : 1997-091 // 21:16:50.769
SCLK: 1/03894408:76:5:0

Frame : 6



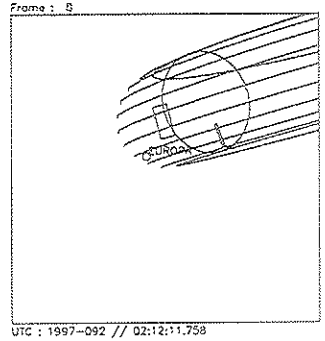

UTC : 1997-091 // 22:55:17.765
SCLK: 1/03894506:19:0:0

Frame : 7




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

Frame : 8

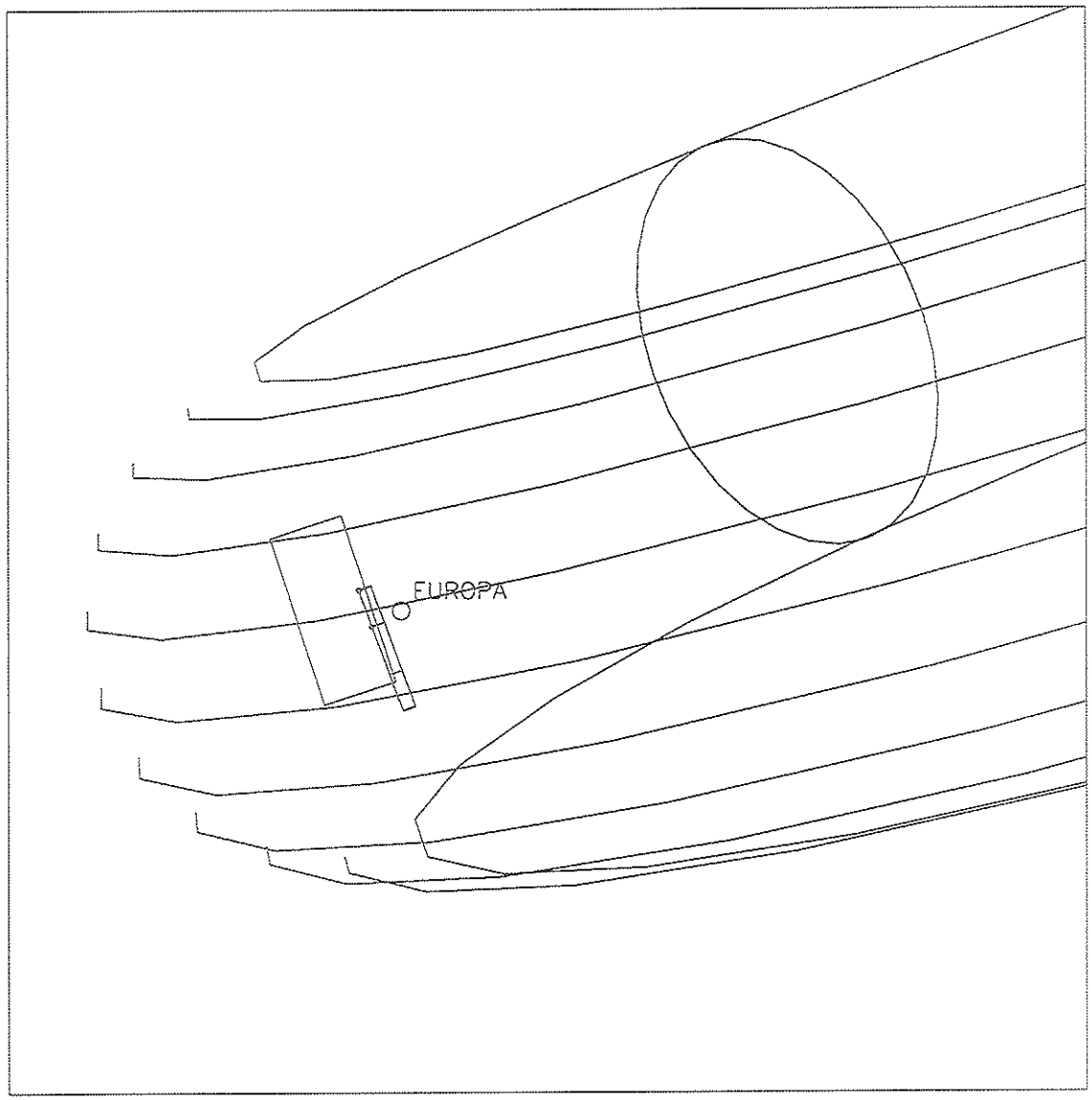



UTC : 1997-092 // 02:12:11.758
SCLK: 1/03894700:86:0:0

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

Wed Mar 12 17:48:11 1997




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

| | | | | | |
|---|---|---|---|---|---|
| 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 | 29.97 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)

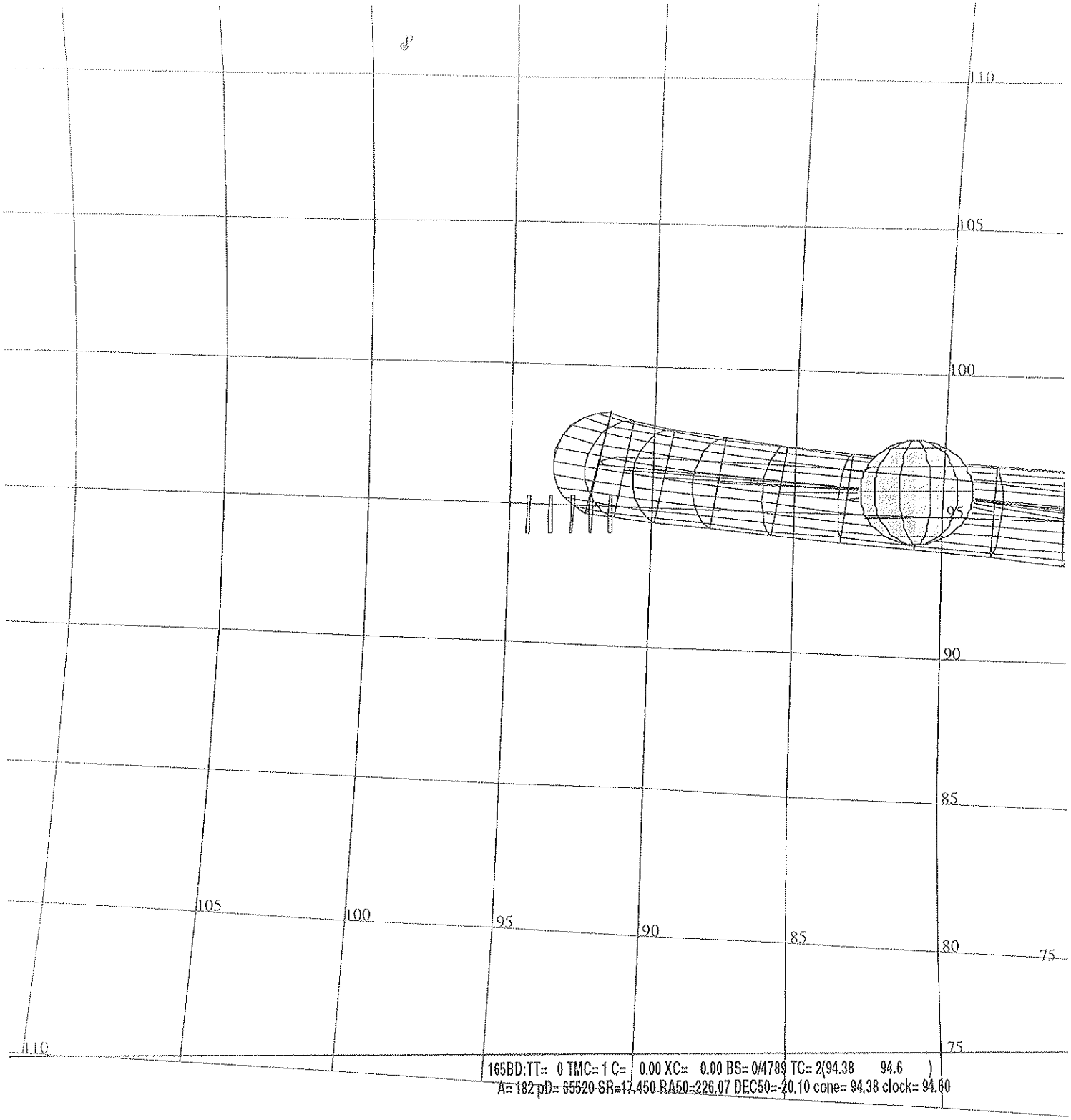
| | | | | | |
|---|---|---|---|---|---|
| Plot Key | UVS | Type | SCI | | |
| CDS Bytes | 228 | Report Options | BOTH | Scan Platform | Yes |
| CDS Source | PA | Spin State | DUAL | DMS | No |

## 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

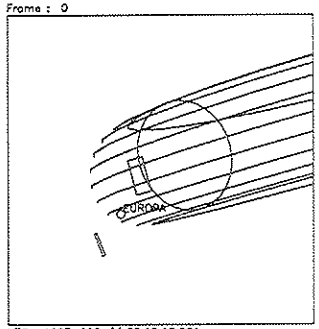
INI:m.target

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

ERIAPSIS: THINNING:UVS 300 :UVS 300

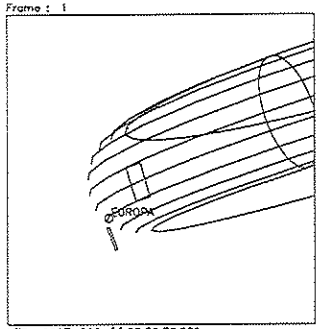
TART:JEE 97-094/11:03:48.400 -CDS 3373:00:0 BODY PLOT TIME:START-TIME D=65520 S= 0.100

Frame : 0



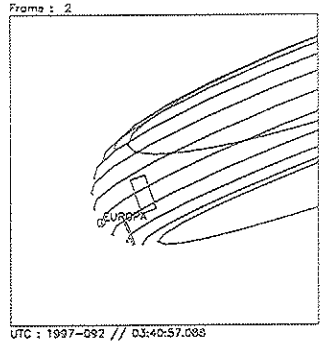

UTC : 1997-092 // 02:12:15.091
SCLK: 1/03894701:00:0:0

Frame : 1



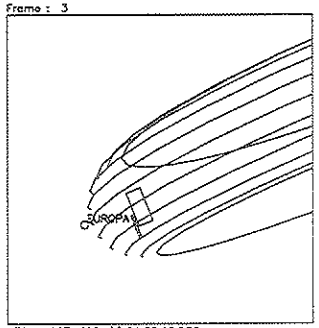

UTC : 1997-092 // 02:56:36.089
SCLK: 1/03894744:78:5:0

Frame : 2



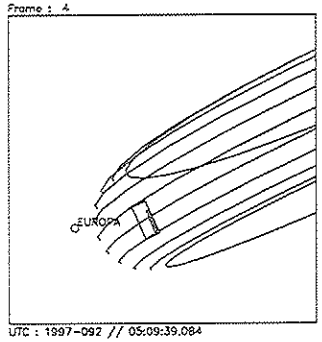

UTC : 1997-092 // 03:40:57.088
SCLK: 1/03894788:66:0:0

Frame : 3



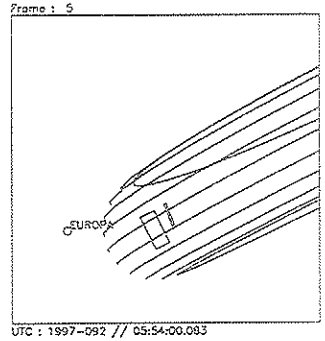

UTC : 1997-092 // 04:25:18.086
SCLK: 1/03894832:53:5:0

Frame : 4



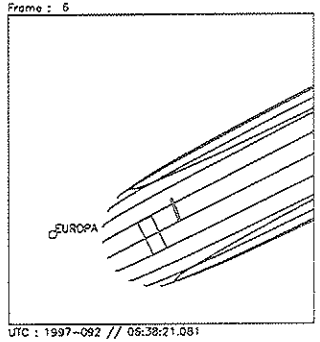

UTC : 1997-092 // 05:09:39.084
SCLK: 1/03894876:41:0:0

Frame : 5



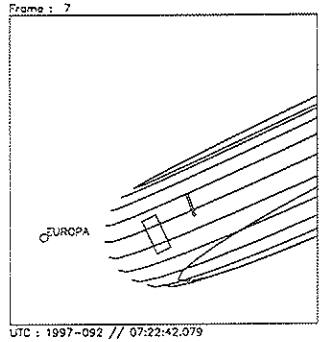

UTC : 1997-092 // 05:54:00.083
SCLK: 1/03894920:28:5:0

Frame : 6



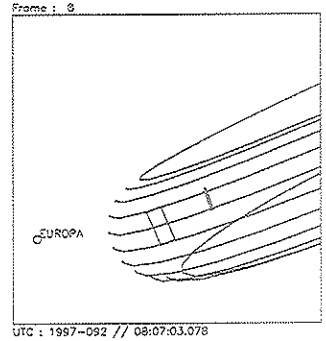

UTC : 1997-092 // 06:38:21.081
SCLK: 1/03894964:16:0:0

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 |

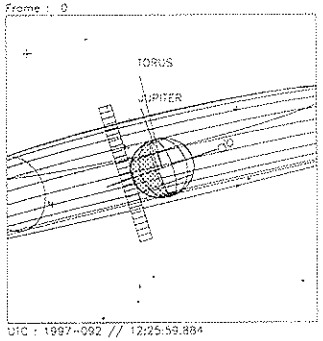
## Observation Objective

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

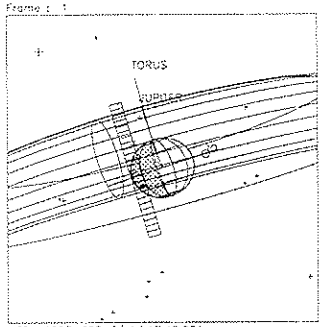
| PSID | RIM:mf | CDS | PA |
|---|---|---|---|
| 384BH | 0 | 0 | COMMENT [UVS RIM 0] |
| 349MQ | 0:69 | 28 | UVFLUSH [6UVRT, PACKET, EUV] |
| | 3 | 179 | [LOAD PHASE 2 EUVAUR LIBRARY SEQUENCE] |
| 351BB | 5 | 21 | EUVCMD [TARGET BODY AURORA] |
| | 5 | | 24EUV,N,C,3,5D,C,1,18 [STARTING STEP 93, 1 SCAN/SECTOR,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

Frame : 0



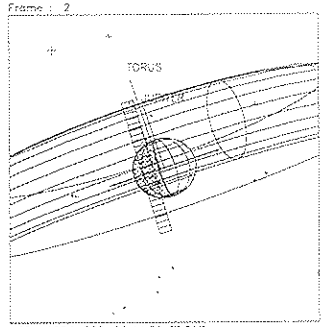

UTC : 1997-092 // 12:25:59.884
SCLK: 1/03895308-00:0:0

Frame : 1



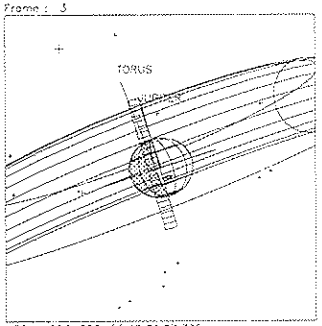

UTC : 1997-092 // 13:17:49.051
SCLK: 1/03895359:22:7:4

Frame : 2



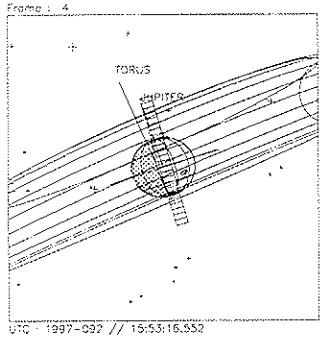

UTC : 1997-092 // 14:09:38.215
SCLK: 1/03895410:45:5:1

Frame : 3



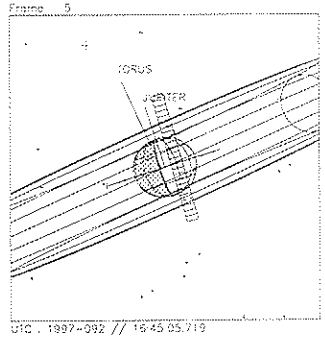

UTC : 1997-092 // 15:01:27.385
SCLK: 1/03895461:68:2:5

Frame : 4



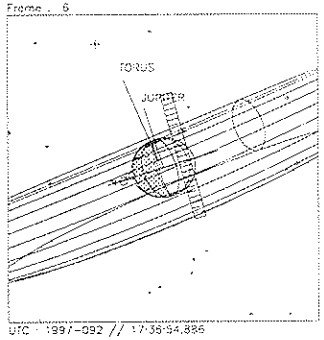

UTC : 1997-092 // 15:53:16.552
SCLK: 1/03895513:00:0:1

Frame : 5



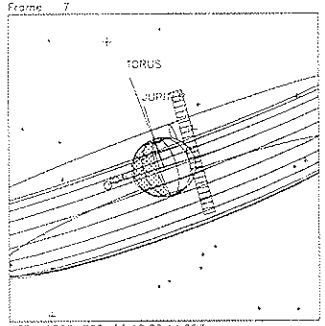

UTC : 1997-092 // 16:45:05.719
SCLK: 1/03895564:23:7:5

Frame : 6



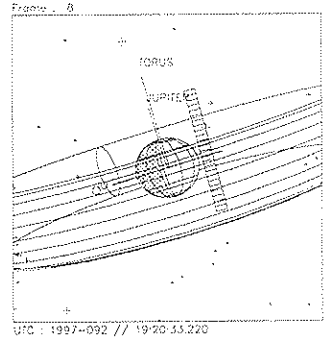

UTC : 1997-092 // 17:36:54.886
SCLK: 1/03895615:45:5:2

Frame : 7




UTC : 1997-092 // 18:28:44.053
SCLK: 1/03895666:68:2:5

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

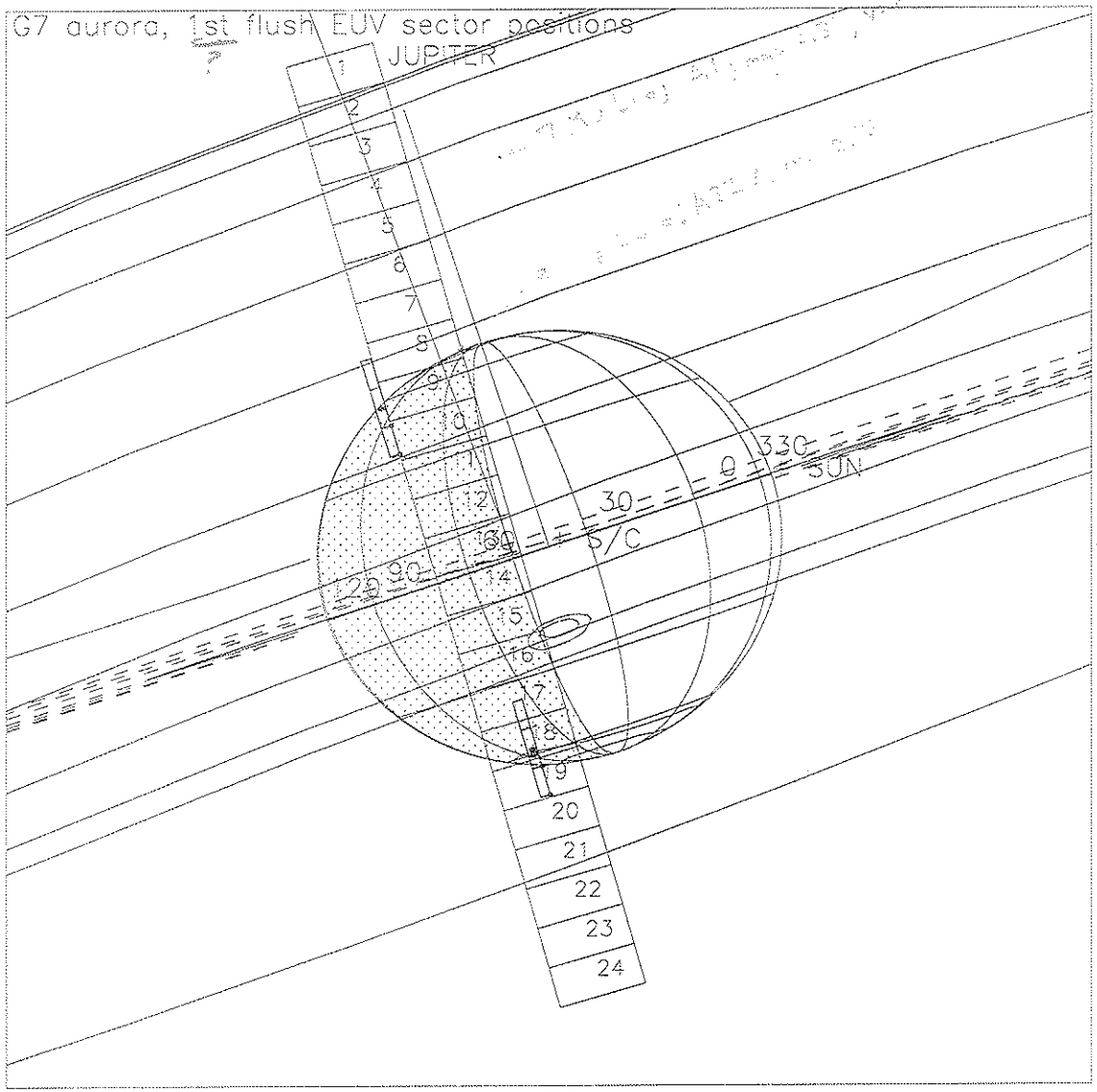
UVS/EUV JUPITER AURORA MAP 1 (SKY BACKGROUND FOR DARKSIDE EQUATOR), LO RATE, G7 INBOUND:
From: 1.2 Rj (outside Jupiter) at cone 90, TARGETing darkside Jupiter sky background
To: 0.8 Rj at cone 90
Data rate: Instrument states last 40 RIMS; thus, 7.30 bps UVS, 7.30 bps EUV
OPTRTM/UVFLUSH STRATEGY (17,712 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] |

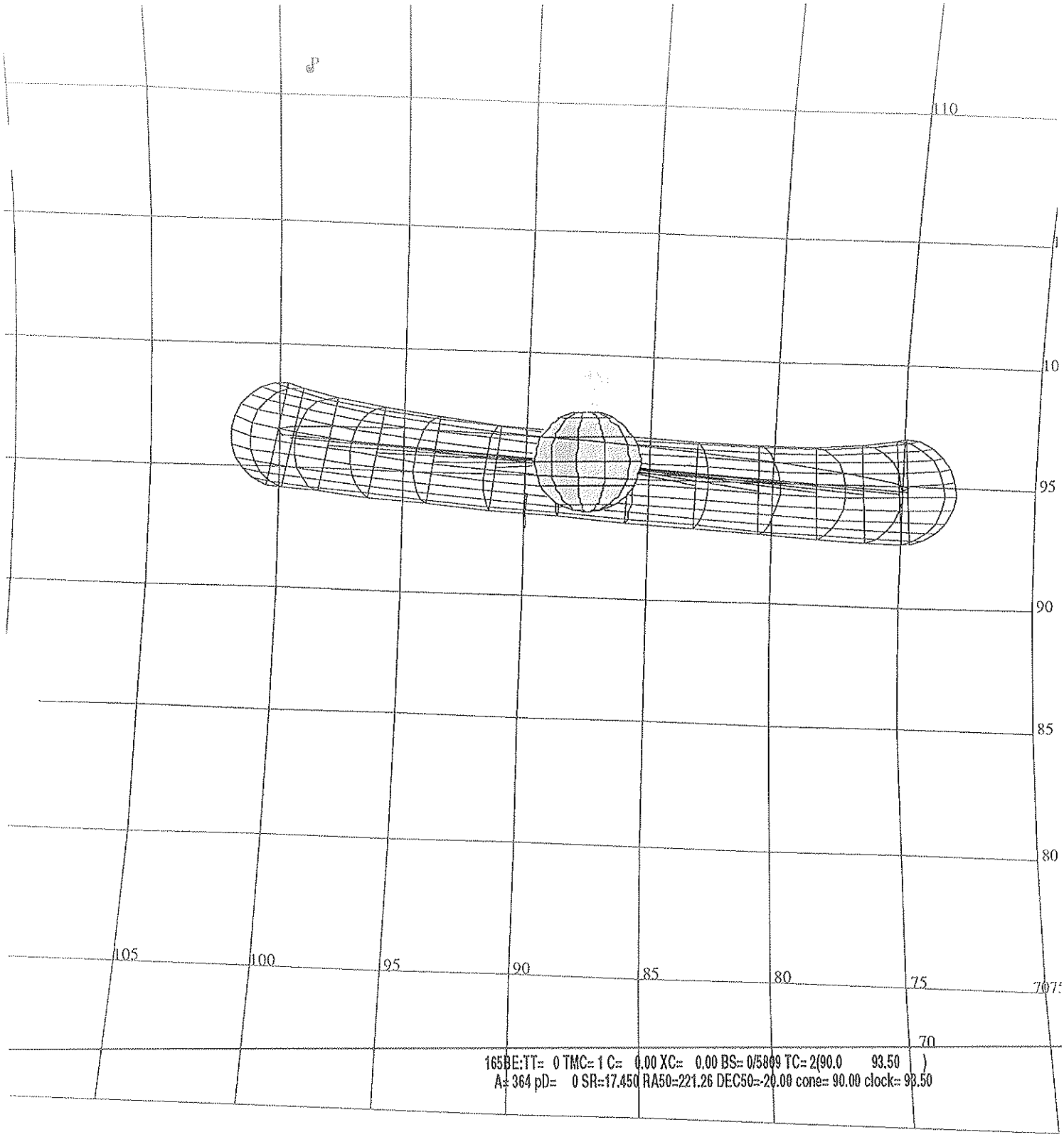
1997-092/14:43:30 3895444
1997-092/15:47:12 3895507

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




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

ILE:P.G7JUG7AURA01

ENTRAL BODY:JUPITER

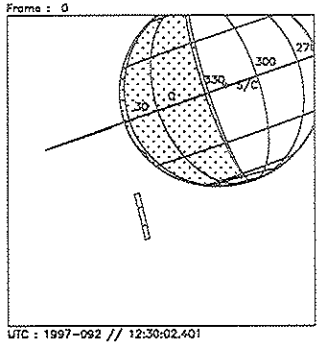
INI:m.target

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

ERIAPSIS: THINNING: :UVS 300

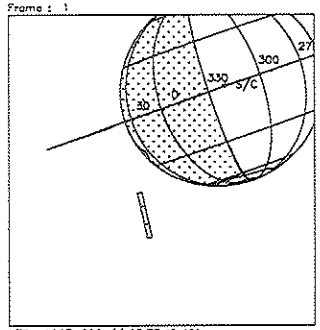
TART:JEE 97-094/11:03:48.400 -CDS 2763:00:0 BODY PLOT TIME:TARGET-TIME D= 0 S= 0.100

Frame : 0



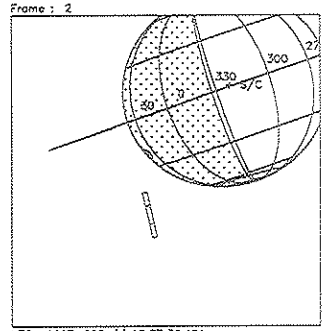

UTC : 1997-092 // 12:30:02.401
SCLK: 1/03895312:00:0:0

Frame : 1



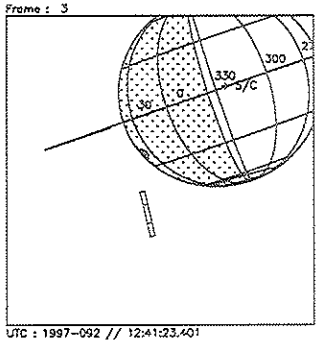

UTC : 1997-092 // 12:33:49.401
SCLK: 1/03895315:67:5:0

Frame : 2



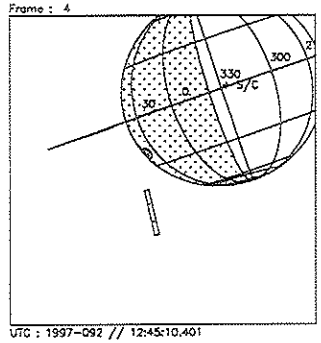

UTC : 1997-092 // 12:37:36.401
SCLK: 1/03895319:44:0:0

Frame : 3



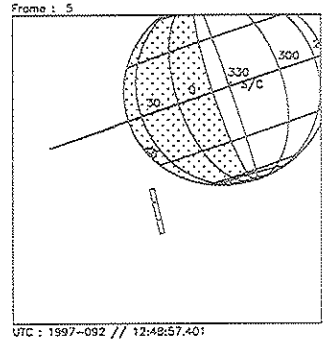

UTC : 1997-092 // 12:41:23.401
SCLK: 1/03895323:20:5:0

Frame : 4



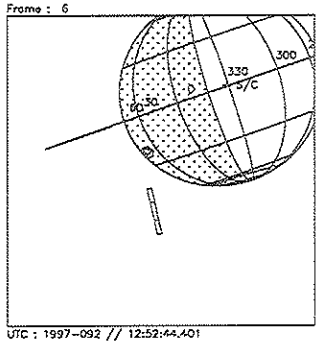

UTC : 1997-092 // 12:45:10.401
SCLK: 1/03895326:88:0:0

Frame : 5



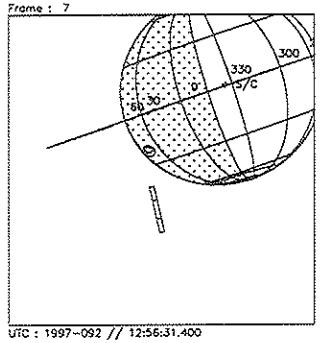

UTC : 1997-092 // 12:48:57.401
SCLK: 1/03895330:64:5:0

Frame : 6



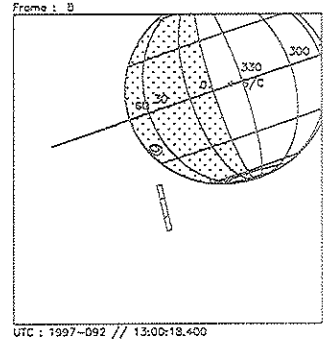

UTC : 1997-092 // 12:52:44.401
SCLK: 1/03895334:41:0:0

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 | | |

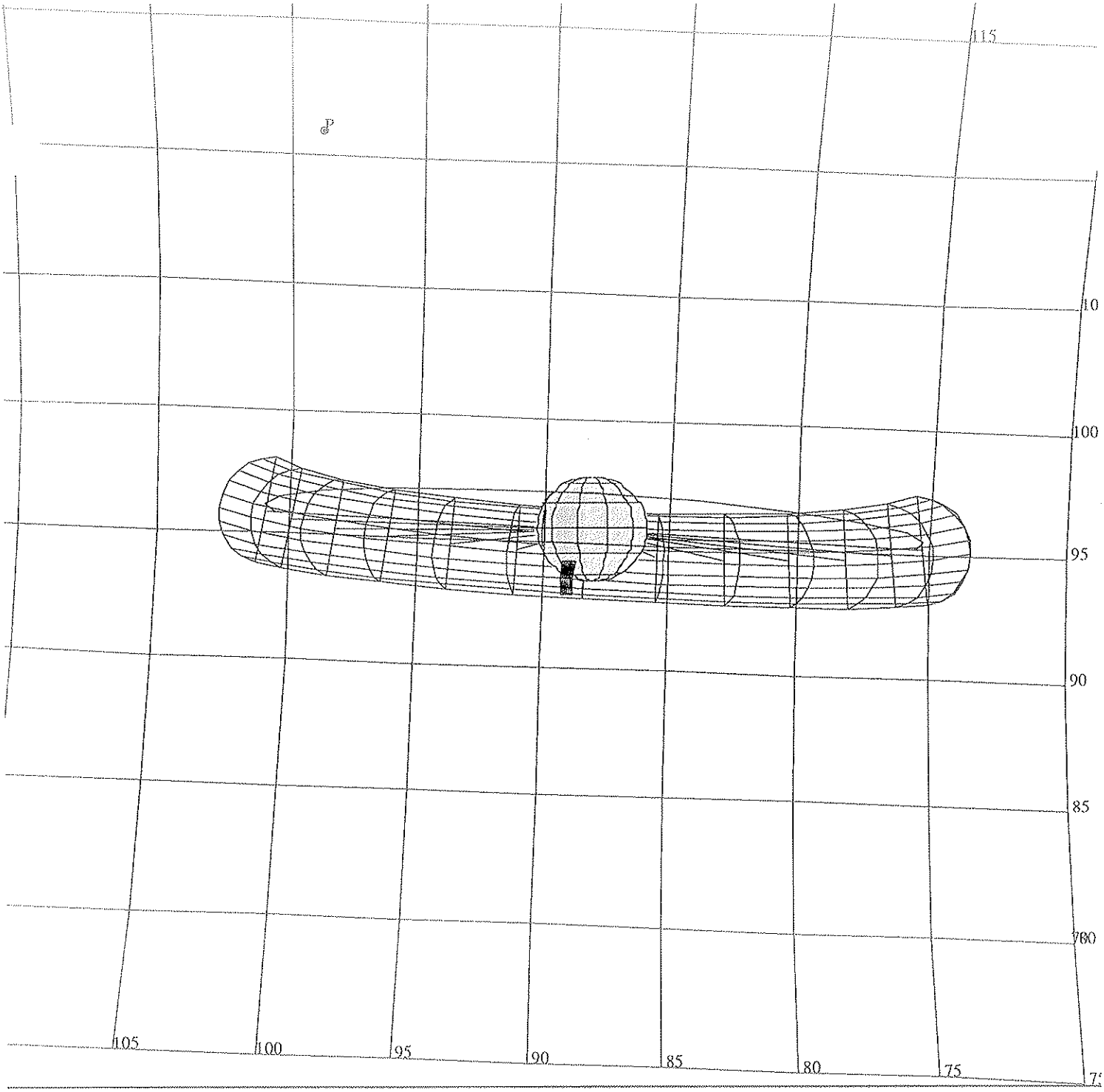
| | | | | | |
|---|---|---|---|---|---|
| Top Label | G7JUG7AURA02- | | | | |
| Bottom Label | (UVS/EUV RTS Aurora) | | | | |
| Plot Key | UVS | Type | SCI | | |
| CDS Bytes | 128 | Report Options | BOTH | Scan Platform | Yes |
| CDS Source | PA | Spin State | DUAL | DMS | No |

## 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

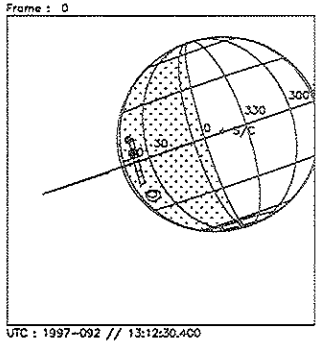
INI:m.target

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

ERIAPSIS: THINNING:UVS 300 :UVS 300

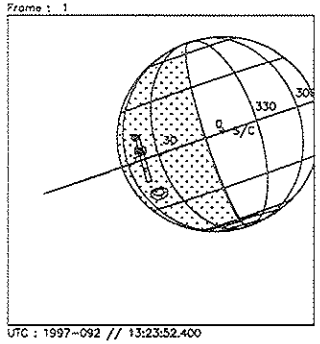
TART:JEE 97-094/11:03:48.400 -CDS 2721:00:0 BODY PLOT TIME:TARGET-TIME D= 0 S= 0.100

Frame : 0



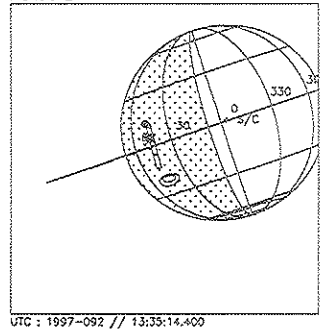

UTC : 1997-092 // 13:12:30.400
SCLK: 1/03895354:00:0:0

Frame : 1



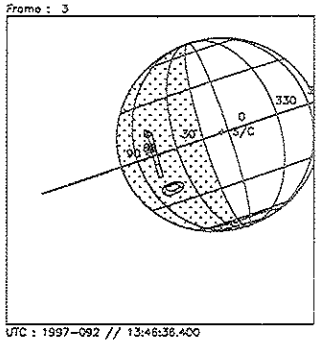

UTC : 1997-092 // 13:23:52.400
SCLK: 1/03895385:22:0:0

Frame : 2



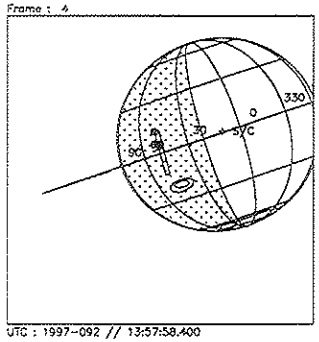

UTC : 1997-092 // 13:35:14.400
SCLK: 1/03895376:44:0:0

Frame : 3



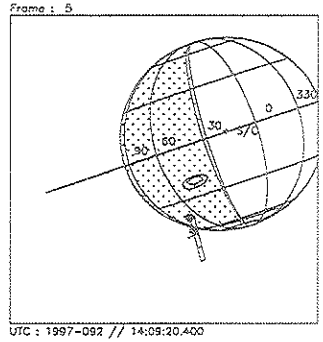

UTC : 1997-092 // 13:46:36.400
SCLK: 1/03895387:66:0:0

Frame : 4



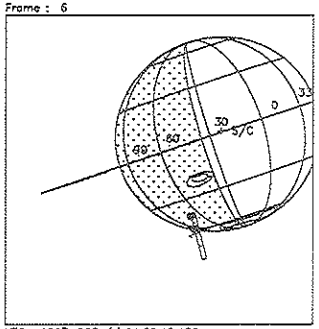

UTC : 1997-092 // 13:57:58.400
SCLK: 1/03895398:88:0:0

Frame : 5



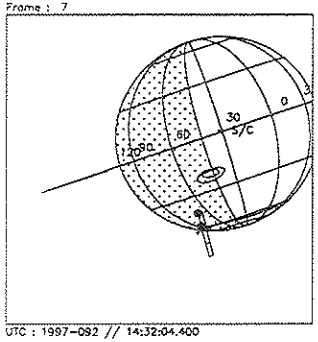

UTC : 1997-092 // 14:09:20.400
SCLK: 1/03895410:19:0:0

Frame : 6



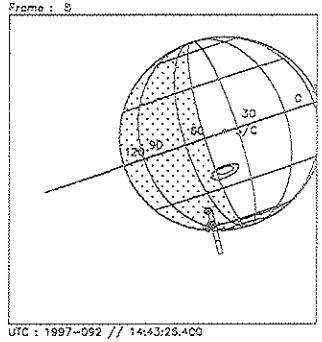

UTC : 1997-092 // 14:20:42.400
SCLK: 1/03895421:41:0:0

Frame : 7




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

Frame : 8




UTC : 1997-092 // 14:43:26.400
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 ( 25.501690 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 |