Activity ID: Orbit C3 **OAPEL** HUE4UCAL **SeqNo** 01-

Title UVS STAR CALIBRATION, E4 INBOUND **Instrument** UVS

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

Time System CDS **Load ID** C3C **Calendar Date** 12/09/96 **Week** 50

Start	JEE+CDS 00046778:00:0	96-344/09:45:28.266	JEE+032/20:17:45.333
End	JEE+CDS 00046933:00:0	96-344/12:22:11.599	JEE+032/22:54:28.666
Duration	00000155:00:0	000/02:36:43.333	000/02:36:43.333

Top Label C3HUE4UCAL01-

Bottom Label (UVS Star Calibration)

δ Sco

Plot Key UVS **Type** SCI

CDS Bytes 353 **Report Options** BOTH **Scan Platform** Yes

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

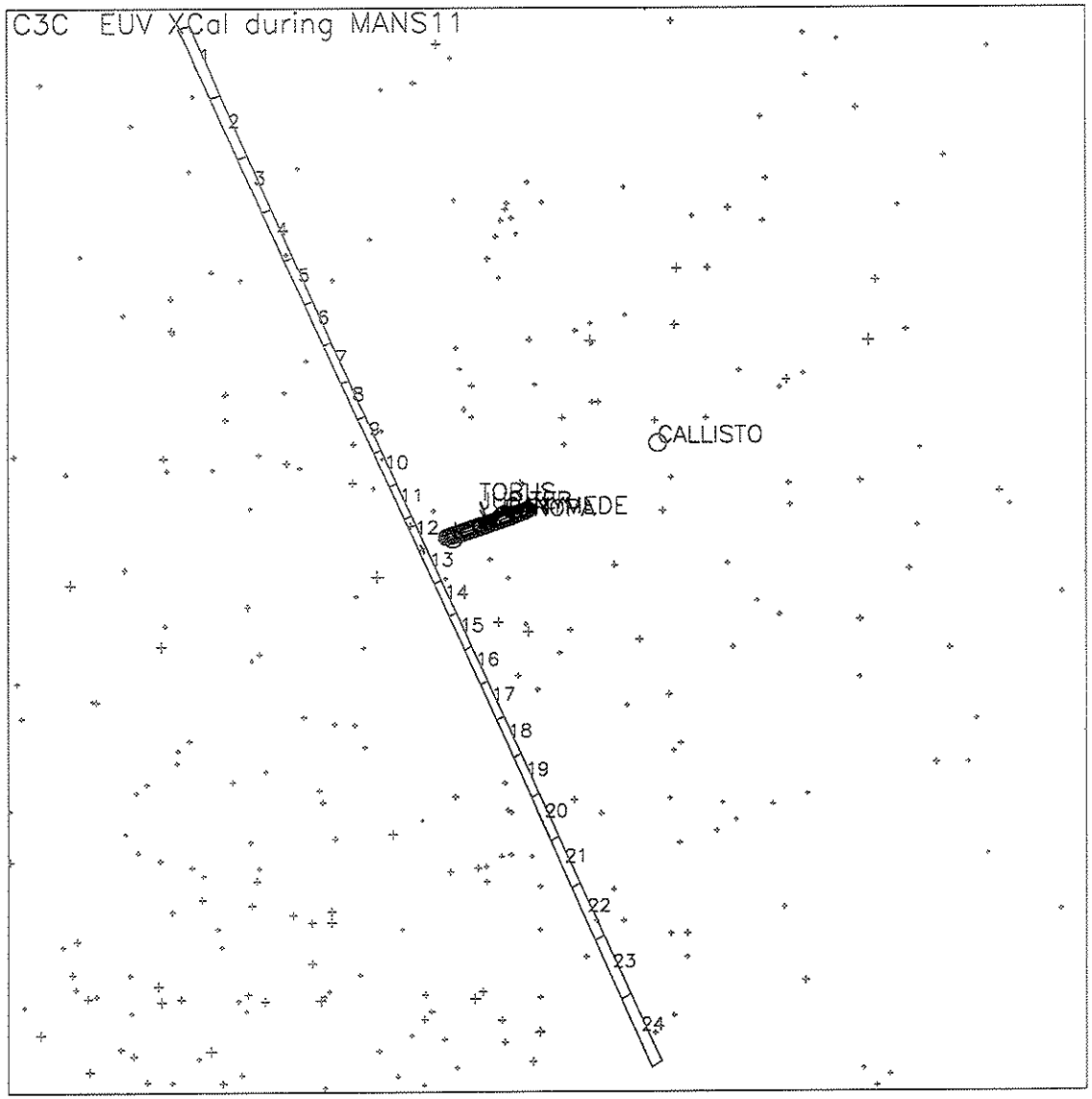
Observation Objective

UVS ABSOLUTE STAR CALIBRATION, E4 INBOUND (MID-TOUR):
Target: Delta Scorpii, RA 239.34, Dec -22.48
Slewing: 5 30-RIM slews (0.01 mrad/sec), at fixed clock angle
Data rate: Instrument states last 30 RIMS; thus, 9.73 bps UVS
OPTRTM/UVFLUSH STRATEGY (17,712 bits per UVS or EUV PACKET):
UVS deselected; thus, 30-RIM UVFLUSHes needed to PACKET UVS, after initial DISCRD
WAVELENGTHS (Angstroms):
Emission lines: UVS (H2 1253, H2 1611)
FULLSCAN F/G (UVS): F 1616.5-3227.9 (CTR 2436.8, STEP 264) [EVEN FRAMES],
G 1131.5-1920.1 (CTR 1534.7, STEP 264) [ODD FRAMES]

Design Detail

PSID	RIM:mf	CDS	PA
384LB	0	0	COMMENT [UVS RIM 0]
432BC	4	74	OPTRTM [UVS EXCLUDE, EUV EXCLUDE, AACS INCLUDE]
157KF	4	38	CMDRS (10+14*2) [PLAN DUR 151, EST UVS CMDS 2]
349PL	4:69	28	UVFLUSH [6UVRT, DISCRD, UVS]
165BR	5	36	TARGET [RA 239.34, DEC -22.48, CONE OFFSET 9.15 MILLIRADIANS]
117BA	5	37	CSMOS (10+14+13*1) [PLAN DUR 150, EST TOT STRP 5, OBS SLEW RATE 0.01]
			SUBCSMOS [STRIP DUR 29, REPOS DUR 1, CONE DEL R 17.5, CONE DEL S -17.5]
	5		34UVS,07,S,N,N,N,S,0,ON,OFF,ON,ON,OFF,NO,1,00,9C,01,2C [FULLSCAN F/G]
349PM	33:69	28	UVFLUSH [6UVRT, PACKET, UVS]
349PN	63:69	28	UVFLUSH [6UVRT, PACKET, UVS]
349PO	93:69	28	UVFLUSH [6UVRT, PACKET, UVS]
349PP	123:69	28	UVFLUSH [6UVRT, PACKET, UVS]
349PQ	153:69	28	UVFLUSH [6UVRT, PACKET, UVS]
	155		34UVS,C1,F,N,N,N,S,0,OFF,OFF,ON,OFF,OFF,NO,1,2C,05,00,00 [HVOFF]

Wed Oct 16 18:36:47 1996



Start UTC_TIME : 1996-345 // 13:01:21.079
No End Time :
Start SCLK : 1/03734411:00:0:0

Target Body : JUPITER
Target Ra/Dec : 188.21/ -5.04 Deg
S/C to Body Center : 4722001. Km (66.049359 Rj)
Z-axis Pointing (Ra / Dec) : 109.00 / 23.40 Deg

Activity ID: **Orbit** C3 **OAPEL** TV4EUVON **SeqNo** 01-

Title EUV POWER ON, E4 INBOUND **Instrument** EUV

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

Time System CDS **Load ID** **Calendar Date** 12/10/96 **Week** 50

Start	JEE+CDS 00048362:00:0	96-345/12:27:04.266	JEE+033/22:59:21.333
End	JEE+CDS 00048517:00:0	96-345/15:03:47.599	JEE+034/01:36:04.666
Duration	00000155:00:0	000/02:36:43.333	000/02:36:43.333

Top Label C3TV4EUVON01-

Bottom Label (EUV Power On)

Plot Key EUV **Type** SCI

CDS Bytes 1121 **Report Options** BOTH **Scan Platform** No

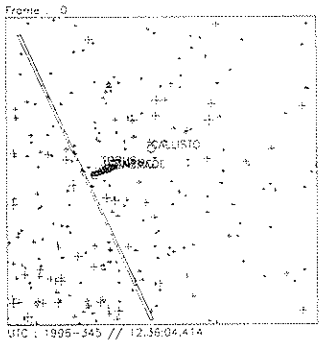
CDS Source PA **Spin State** DUAL **DMS** No

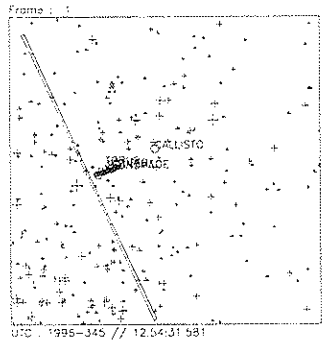
Observation Objective

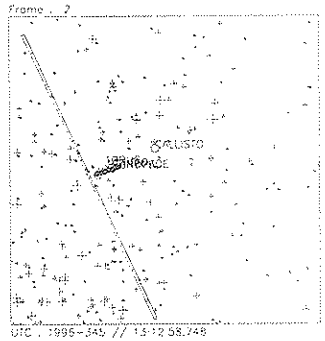
EUV POWER ON, E4 INBOUND:
Load CDS memory and start the microprocessor, using Phase 2 EUVON library sequence
Load torus Fixed Pattern Noise Table (FPNT), using Phase 2 EUVTOR library sequence
Configure EUV for taking data, using two EUVCMD PAs, so EUVON OAPEL overlaps with MANS11:
(1) 2 RIM-hours of UVS/EUV calibration data (96-degree EUV annulus on celestial sphere)
(2) 8 RIM-hours of UVS/EUV torus data (24-degree annulus, starting at step 93)

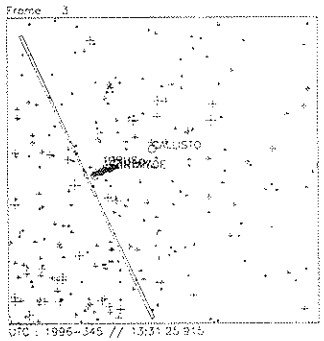
Design Detail

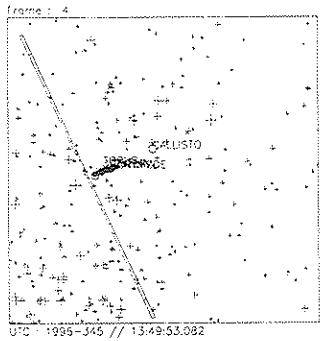
```
PSID    RIM:mf  CDS PA
-----------------------------------------------------------------------------------------
384BG   0       0   COMMENT [UVS RIM 0]
        0       900 [LOAD PHASE 2 EUVON LIBRARY SEQUENCE]
        6       179 [LOAD PHASE 2 EUVTOR LIBRARY SEQUENCE]
351BA   8       21  EUVCMD [TARGET BODY TORUS]
        8           24EUV,N,C,3,3E,C,A,18 [STARTING STEP 62, 10 SCANS/SECTOR, 24 SECTORS]
351BD   154     21  EUVCMD [TARGET BODY TORUS]
        154         24EUV,N,C,3,5D,C,1,18 [STARTING STEP 93, 1 SCAN/SECTOR, 24 SECTORS]
```

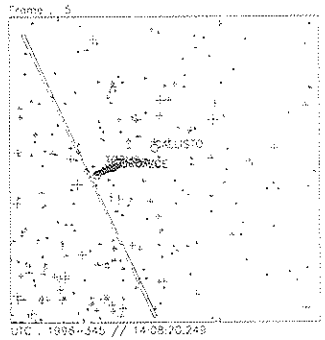


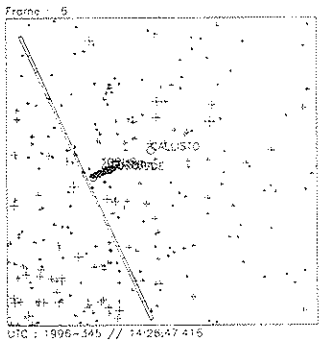


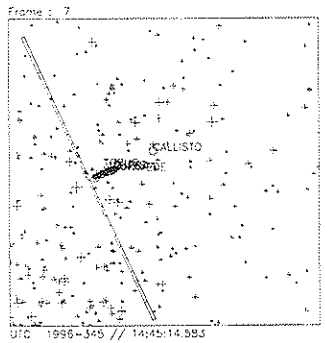


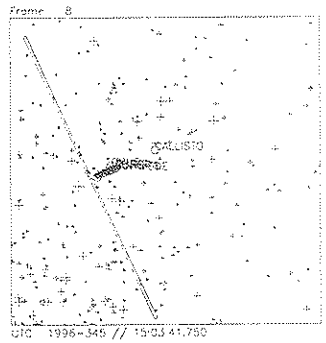








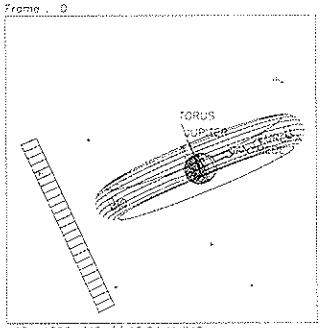




Start UTC_TIME : 1996-345 // 12:36:04.414
No End Time :
Start SCLK : 1/03734386:00:0:0

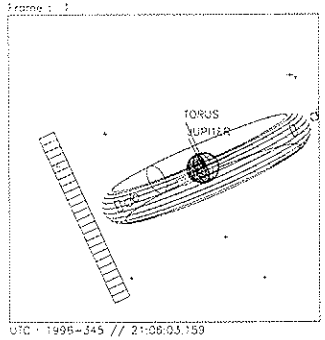
Target Body : JUPITER
Target Ra/Dec : 188.11/ -5.00 Deg
S/C to Body Center : 4726993. Km (66.119164 Rj)
Z-axis Pointing (Ra / Dec) : 108.93 / 23.42 Deg

Frame : 0



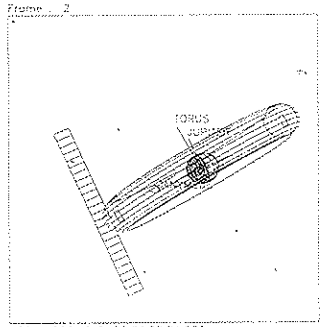
UTC : 1996-345 // 15:03:41.742
SCLK: 1/03734532:00:0:0

Frame : 1



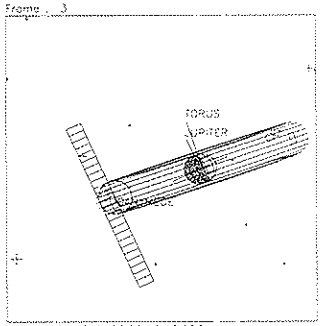
UTC : 1996-345 // 21:08:03.159
SCLK: 1/03734800:34:1:4

Frame : 2



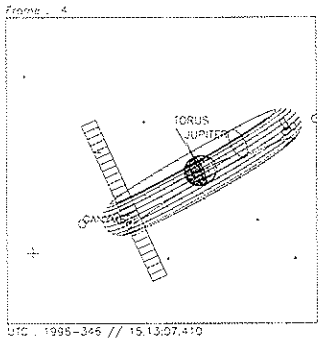
UTC : 1996-346 // 03:08:24.576
SCLK: 1/03735248:68:2:7

Frame : 3



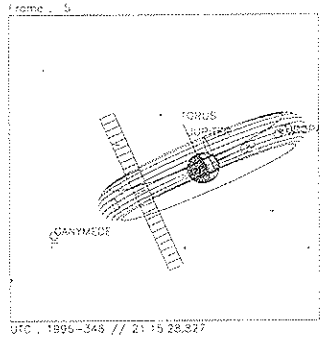
UTC : 1996-346 // 09:10:45.993
SCLK: 1/03735697:11:4:3

Frame : 4



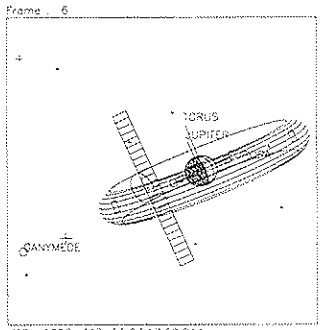
UTC : 1996-346 // 15:13:07.410
SCLK: 1/03735965:45:5:7

Frame : 5



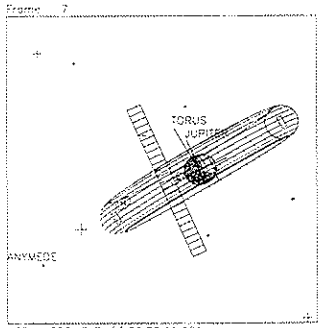
UTC : 1996-346 // 21:15:28.327
SCLK: 1/03736323:79:7:2

Frame : 6



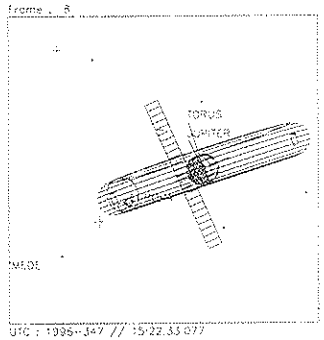
UTC : 1996-347 // 03:17:50.244
SCLK: 1/03736682:22:8:6

Frame : 7



UTC : 1996-347 // 09:20:11.661
SCLK: 1/03737040:57:0:2

Frame : 8



UTC : 1996-347 // 15:22:33.077
SCLK: 1/03737399:00:1:0

Start UTC_TIME : 1996-345 // 15:03:41.742
No End Time :
Start SCLK : 1/03734532:00:0:0

Target Body : JUPITER
Target Ra/Dec : 188.36/ -5.12 Deg
S/C to Body Center : 4697691. Km (65.709324 Rj)
Z-axis Pointing (Ra / Dec) : 108.93 / 23.42 Deg

Activity ID: **Orbit** C3 **OAPEL** TUE4MANS **SeqNo** 11-

Title UVS/EUV MDNT ANSA MAP 1-1, LO RT E4 INBD **Instrument** UVS

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

Time System CDS **Load ID** C3C **Calendar Date** 12/10/96 **Week** 50

Start	JEE+CDS 00048392:00:0	96-345/12:57:24.266	JEE+033/23:29:41.333
End	JEE+CDS 00048997:00:0	96-345/23:09:07.599	JEE+034/09:41:24.666
Duration	00000605:00:0	000/10:11:43.333	000/10:11:43.333

Top Label C3TUE4MANS11-

Bottom Label (UVS/EUV RTS Torus)

Plot Key UVS **Type** SCI

CDS Bytes 497 **Report Options** BOTH **Scan Platform** Yes

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

Observation Objective

UVS/EUV IO TORUS MIDNIGHT ANSA MAP 1 (PART 1), LOW RATE, E4 INBOUND (incl. 120-RIM XCAL):
From: 9.09 Rj (Europa) at cone 90 (ribbon at 5.76 Rj, Sys III W Long 61)
To: 7.55 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: EUV (S++ 685, S+ 765, O+ 834, H2 1216),
UVS (S++ 1194, H2 1216, S+ 1259)
1POSN-66STEP G MINISCAN (UVS): G 1174.9-1275.2 (CTR 1225.9, STEP 61) [BOTH FRAMES]
Strategy for MINISCANS: Use 66STEP G for S lines, in place of 16STEP N/N and 22STEP N/G

Design Detail

```
PSID     RIM:mf   CDS PA
-----------------------------------------------------------------------------------------
384BH    -2       0   COMMENT [UVS RIM 0]
176BA    -2       15  SCITLM [PAUSE PB]
157KE    4        24  CMDRS (10+14*1) [PLAN DUR 1, EST UVS CMDS 1]
349KC    4:69     28  UVFLUSH [6UVRT, DISCRD, BOTH]
165BQ    5        36  TARGET [CONE 90.00, CLOCK 89.60], UTILITY [7CONE/7STAT, SCAN TYPE 6]
         5            34UVS,DD,F,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NO,1,48,75,00,00 [66STEP G]
176BB    7        15  SCITLM [RESUME PB]
349KD    63:69    28  UVFLUSH [6UVRT, PACKET, BOTH]
61BC     123      37  LOOPER [LOOP PERIOD 120, NUM LOOPS 4]
349KE    123:69   28  UVFLUSH [6UVRT, PACKET, BOTH]
157BI    124      38  CMDRS (10+14*2) [PLAN DUR 61, EST UVS CMDS 2]
         124          34UVS,DD,F,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NO,1,48,75,00,00 [66STEP G]
349KF    183:69   112 UVFLUSH (28*4) [6UVRT, PACKET, BOTH]
         184          34UVS,DD,F,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NO,1,48,75,00,00 [66STEP G]
349KG    243:69   112 UVFLUSH (28*4) [6UVRT, PACKET, BOTH]
...KK,PA,PB           ... [REPEAT 3 ADDITIONAL TIMES]
157BJ    604      24  CMDRS (10+14*1) [PLAN DUR 1, EST UVS CMDS 1]
         605          34UVS,C1,F,N,N,N,S,0,OFF,OFF,ON,OFF,OFF,NO,1,2C,05,00,00 [HVOFF]
```


After 96-345/15:08 - the spacecraft changed to scan-type 3 to facilitate SSI Downlink. Therefore, data after this time will be incorrect.

Activity ID: **Orbit** C3 **OAPEL** TUE4MANS **SeqNo** 12-

Title UVS/EUV MDNT ANSA MAP 1-2, LO RT E4 INBD **Instrument** UVS

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

Time System CDS **Load ID** C3C **Calendar Date** 12/11/96 **Week** 50

Start	JEE+CDS 00049127:00:0	96-346/01:20:34.266	JEE+034/11:52:51.333
End	JEE+CDS 00049609:00:0	96-346/09:27:55.599	JEE+034/20:00:12.666
Duration	00000482:00:0	000/08:07:21.333	000/08:07:21.333

Top Label C3TUE4MANS12-

Bottom Label (UVS/EUV RTS Torus)

Plot Key	UVS	**Type**	SCI		
CDS Bytes	406	**Report Options**	BOTH	**Scan Platform**	Yes
CDS Source	PA	**Spin State**	DUAL	**DMS**	No

Observation Objective

UVS/EUV IO TORUS MIDNIGHT ANSA MAP 1 (PART 2), LOW RATE, E4 INBOUND:
From: 7.20 Rj (Europa) at cone 90 (ribbon at 5.76 Rj, Sys III W Long 61)
To: 5.95 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 UVFLUSHes
WAVELENGTHS (Angstroms):
Emission lines: UVS (S++ 1194, S+ 1259), EUV (S++ 685, S+ 765, O+ 834)
1POSN-66STEP G MINISCAN (UVS): G 1174.9-1275.2 (CTR 1225.9, STEP 61) [BOTH FRAMES]
Strategy for MINISCANS: Use 66STEP G for S lines, in place of 16STEP N/N and 22STEP N/G

Design Detail

```
PSID     RIM:mf   CDS PA
-----------------------------------------------------------------------------------------
384BI    0        0   COMMENT [UVS RIM 0]
61BD     0        37  LOOPER [LOOP PERIOD 120, NUM LOOPS 4]
349KL    0:69     28  UVFLUSH [6UVRT, PACKET, EUV]
157BK    1        38  CMDRS (10+14*2) [PLAN DUR 61, EST UVS CMDS 2]
349KM    1:69     28  UVFLUSH [6UVRT, DISCRD, UVS]
165BD    2        36  TARGET [CONE 90.00, CLOCK 89.60], UTILITY [7CONE/7STAT, SCAN TYPE 6]
         2            34UVS,DD,F,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NO,1,48,75,00,00 [66STEP G]
176BD    4        15  SCITLM [RESUME PB]
349KN    60:69    112 UVFLUSH (28*4) [6UVRT, PACKET, BOTH]
         62           34UVS,DD,F,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NO,1,48,75,00,00 [66STEP G]
349KO    120:69   112 UVFLUSH (28*4) [6UVRT, PACKET, BOTH]
...KU                ... [REPEAT 3 ADDITIONAL TIMES]
```

Activity ID: Orbit C3 **OAPEL** TUE4MANS **SeqNo** 02-

Title UVS/EUV MDNT ANSA MAP 2, HI RATE E4 INBD **Instrument** UVS

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

Time System CDS **Load ID** C3C **Calendar Date** 12/11/96 **Week** 50

Start	JEE+CDS 00049609:00:0	96-346/09:27:55.599	JEE+034/20:00:12.666
End	JEE+CDS 00049729:00:0	96-346/11:29:15.599	JEE+034/22:01:32.666
Duration	00000120:00:0	000/02:01:20.000	000/02:01:20.000

Top Label C3TUE4MANS02-

Bottom Label (UVS/EUV RTS Torus)

Plot Key	UVS	**Type**	SCI		
CDS Bytes	192	**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), E4 INBOUND:
  From: 5.95 Rj at cone 90 (ribbon at 5.76 Rj, Sys III W Long 61)
  To:   5.64 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++ 1194, S+ 1259), EUV (S++ 685, S+ 765, O+
834)
  1POSN-66STEP G MINISCAN (UVS):    G 1174.9-1275.2 (CTR 1225.9, STEP
61) [BOTH FRAMES]
  Strategy for MINISCANS:   Use 66STEP G for S lines, in place of
16STEP N/N and 22STEP N/G
```

Design Detail

```
PSID     RIM:mf   CDS PA
-----------------------------------------------------------------------------
384BJ    -1       0   COMMENT [UVS RIM 0]
157BL    -1       80  CMDRS (10+14*5) [PLAN DUR 121, EST UVS CMDS 5]
         0            34UVS,DD,F,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NO,1,48,75,00,00 [66STEP G]
349KV    28:69    28  UVFLUSH [6UVRT, PACKET, BOTH]
         30           34UVS,DD,F,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NO,1,48,75,00,00 [66STEP G]
349KW    58:69    28  UVFLUSH [6UVRT, PACKET, BOTH]
         60           34UVS,DD,F,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NO,1,48,75,00,00 [66STEP G]
349KX    88:69    28  UVFLUSH [6UVRT, PACKET, BOTH]
         90           34UVS,DD,F,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NO,1,48,75,00,00 [66STEP G]
349KY    118:69   28  UVFLUSH [6UVRT, PACKET, BOTH]
         120          34UVS,C1,F,N,N,N,S,0,OFF,OFF,ON,OFF,OFF,NO,1,2C,05,00,00 [HVOFF]
```

Activity ID: Orbit C3 **OAPEL** TUE4MANS **SeqNo** 03-

Title UVS/EUV MDNT ANSA MAP 3, LO RATE E4 INBD **Instrument** UVS

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

Time System CDS **Load ID** C3C **Calendar Date** 12/11/96 **Week** 50

Start	JEE+CDS 00049828:00:0	96-346/13:09:21.599	JEE+034/23:41:38.666
End	JEE+CDS 00050013:00:0	96-346/16:16:24.933	JEE+035/02:48:42.000
Duration	00000185:00:0	000/03:07:03.334	000/03:07:03.334

Top Label C3TUE4MANS03-

Bottom Label (UVS/EUV RTS Torus)

Plot Key	UVS	**Type**	SCI		
CDS Bytes	272	**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, E4 INBOUND:
From: 5.37 Rj at cone 90 (ribbon at 5.76 Rj, Sys III W Long 61)
To: 4.90 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, after initial UVFLUSHes
WAVELENGTHS (Angstroms):
Emission lines: UVS (S++ 1194, S+ 1259), EUV (S++ 685, S+ 765, O+ 834)
1POSN-66STEP G MINISCAN (UVS): G 1174.9-1275.2 (CTR 1225.9, STEP 61) [BOTH FRAMES]
Strategy for MINISCANS: Use 66STEP G for S lines, in place of 16STEP N/N and 22STEP N/G

Design Detail

PSID	RIM:mf	CDS	PA
384BK	-2	0	COMMENT [UVS RIM 0]
176BE	-2	15	SCITLM [PAUSE PB]
349KZ	3:69	28	UVFLUSH [6UVRT, PACKET, EUV]
157BM	4	66	CMDRS (10+14*4) [PLAN DUR 181, EST UVS CMDS 4]
349LA	4:69	28	UVFLUSH [6UVRT, DISCRD, UVS]
165BE	5	36	TARGET [CONE 90.00, CLOCK 89.60], UTILITY [7CONE/7STAT, SCAN TYPE 6]
	5		34UVS,DD,F,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NO,1,48,75,00,00 [66STEP G]
176BF	6	15	SCITLM [RESUME PB]
349LB	63:69	28	UVFLUSH [6UVRT, PACKET, BOTH]
	65		34UVS,DD,F,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NO,1,48,75,00,00 [66STEP G]
349LC	123:69	28	UVFLUSH [6UVRT, PACKET, BOTH]
	125		34UVS,DD,F,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NO,1,48,75,00,00 [66STEP G]
349LD	183:69	28	UVFLUSH [6UVRT, PACKET, BOTH]
	185		34UVS,C1,F,N,N,N,S,0,OFF,OFF,ON,OFF,OFF,NO,1,2C,05,00,00 [HVOFF]

Activity ID: Orbit C3 **OAPEL** TUE4MPRO **SeqNo** 01-

Title UVS/EUV MIDNIGHT ANSA PROFILE 1, E4 INBD **Instrument** UVS

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

Time System CDS **Load ID** C3C **Calendar Date** 12/11/96 **Week** 50

Start	JEE+CDS 00050013:00:0	96-346/16:16:24.933	JEE+035/02:48:42.000
End	JEE+CDS 00050558:00:0	96-347/01:27:28.266	JEE+035/11:59:45.333
Duration	00000545:00:0	000/09:11:03.333	000/09:11:03.333

Top Label C3TUE4MPRO01-

Bottom Label (UVS/EUV RTS Torus)

Plot Key	UVS	**Type**	SCI		
CDS Bytes	459	**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, E4 INBOUND:
From: 6.51 Rj (outside ribbon) at cone > 90 (ribbon at 5.76 Rj, Sys III W Long 78)
To: 5.04 Rj (inside ribbon) at fixed cone
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 (O+ 3728, S+ 4070), EUV (S++ 685, S+ 765, O+ 834)
FULLSCAN N (UVS): N 2818.1-4319.0 (CTR 3589.1, STEP 264) [BOTH FRAMES]
1POSN-264STEP N MINISCAN (UVS): N 2050-2818.1 (CTR 2434, STEP -128) [BOTH FRAMES]
1POSN-88STEP N MINISCAN (UVS): N 2818.1-3075.9 (CTR 2948.9, STEP

Design Detail

```
PSID     RIM:mf   CDS PA
-----------------------------------------------------------------------------------------
384BL    -2       0   COMMENT [UVS RIM 0]
176BG    -2       15  SCITLM [PAUSE PB]
61BE     2        37  LOOPER [LOOP PERIOD 180, NUM LOOPS 3]
157BN    4        52  CMDRS (10+14*3) [PLAN DUR 121, EST UVS CMDS 3]
349LE    4:69     28  UVFLUSH [6UVRT, DISCRD,BOTH]
165BF    5        36  TARGET [CONE 91.53, CLOCK 89.50], UTILITY [7CONE/7STAT, SCAN TYPE 6]
         5            34UVS,07,S,N,N,N,S,0,OFF,ON,OFF,ON,OFF,NO,1,2C,9D,00,00 [FULLSCAN N]
176BH    6        15  SCITLM [RESUME PB]
349LF    63:69    84  UVFLUSH (28*3) [6UVRT, PACKET, BOTH]
         65           34UVS,E5,F,N,N,N,S,0,OFF,ON,OFF,ON,OFF,NO,1,25,94,00,00 [264STEP N]
349LG    123:69   84  UVFLUSH (28*3) [6UVRT, PACKET, BOTH]
         125          34UVS,DF,F,N,N,N,S,0,OFF,ON,OFF,ON,OFF,NO,1,2C,7D,00,00 [88STEP N]
349LH    183:69   84  UVFLUSH (28*3) [6UVRT, PACKET, BOTH]
...LN                 ... [REPEAT 3 ADDITIONAL TIMES]
157BO    544      24  CMDRS (10+14*1) [PLAN DUR 1, EST UVS CMDS 1]
         545          34UVS,C1,F,N,N,N,S,0,OFF,OFF,ON,OFF,OFF,NO,1,2C,05,00,00 [HVOFF]
```

Activity ID: Orbit C3 **OAPEL** TUE4MPRO **SeqNo** 02-

Title UVS/EUV MIDNIGHT ANSA PROFILE 2, E4 INBD **Instrument** UVS

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

Time System CDS **Load ID** C3C **Calendar Date** 12/12/96 **Week** 50

Start	JEE+CDS 00050558:00:0	96-347/01:27:28.266	JEE+035/11:59:45.333
End	JEE+CDS 00051103:00:0	96-347/10:38:31.599	JEE+035/21:10:48.666
Duration	00000545:00:0	000/09:11:03.333	000/09:11:03.333

Top Label C3TUE4MPRO02-

Bottom Label (UVS/EUV RTS Torus)

Plot Key UVS **Type** SCI

CDS Bytes 445 **Report Options** BOTH **Scan Platform** Yes

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

Observation Objective

UVS/EUV IO TORUS MIDNIGHT ANSA RADIAL PROFILE 2, E4 INBOUND:
From: 6.55 Rj (outside ribbon) at cone > 90 (ribbon at 5.76 Rj, Sys III W Long 50)
To: 5.03 Rj (inside ribbon) at fixed cone
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++ 1194, S+ 1259), EUV (S++ 685, S+ 765, O+ 834)
1POSN-66STEP G MINISCAN (UVS): G 1174.9-1275.2 (CTR 1225.9, STEP 61) [BOTH FRAMES]
Strategy for MINISCANS: Use 66STEP G for S lines, in place of 16STEP N/N and 22STEP N/G

Design Detail

```
PSID     RIM:mf   CDS PA
-----------------------------------------------------------------------------------------
384BM    -2       0   COMMENT [UVS RIM 0]
176BI    -2       15  SCITLM [PAUSE PB]
61BF     2        37  LOOPER [LOOP PERIOD 120, NUM LOOPS 4]
157BP    4        38  CMDRS (10+14*2) [PLAN DUR 61, EST UVS CMDS 2]
349LO    4:69     28  UVFLUSH [6UVRT, DISCRD,BOTH]
165BG    5        36  TARGET [CONE 92.99, CLOCK 89.70], UTILITY [7CONE/7STAT, SCAN TYPE 6]
         5            34UVS,DD,F,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NO,1,48,75,00,00 [66STEP G]
176BJ    6        15  SCITLM [RESUME PB]
349LP    63:69    112 UVFLUSH (28*4) [6UVRT, PACKET, BOTH]
         65           34UVS,DD,F,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NO,1,48,75,00,00 [66STEP G]
349LQ    123:69   112 UVFLUSH (28*4) [6UVRT, PACKET, BOTH]
...LW                ... [REPEAT 3 ADDITIONAL TIMES]
157BQ    484      24  CMDRS (10+14*2) [PLAN DUR 61, EST UVS CMDS 2]
         485          34UVS,DD,F,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NO,1,48,75,00,00 [66STEP G]
349LX    543:69   28  UVFLUSH [6UVRT, PACKET, BOTH]
         545          34UVS,C1,F,N,N,N,S,0,OFF,OFF,ON,OFF,OFF,NO,1,2C,05,00,00 [HVOFF]
```

Activity ID: Orbit C3 **OAPEL** TUE4MPRO **SeqNo** 03-

Title UVS/EUV MIDNIGHT ANSA PROFILE 3, E4 INBD **Instrument** UVS

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

Time System CDS **Load ID** C3C **Calendar Date** 12/12/96 **Week** 50

Start	JEE+CDS 00051199:00:0	96-347/12:15:35.599	JEE+035/22:47:52.666
End	JEE+CDS 00051381:00:0	96-347/15:19:36.933	JEE+036/01:51:54.000
Duration	00000182:00:0	000/03:04:01.334	000/03:04:01.334

Top Label C3TUE4MPRO03-

Bottom Label (UVS/EUV RTS Torus)

Plot Key	UVS	**Type**	SCI		
CDS Bytes	257	**Report Options**	BOTH	**Scan Platform**	Yes
CDS Source	PA	**Spin State**	DUAL	**DMS**	No

Observation Objective

UVS/EUV IO TORUS MIDNIGHT ANSA RADIAL PROFILE 3, E4 INBOUND:
From: 6.04 Rj (outside ribbon) at cone > 90 (ribbon at 5.76 Rj, Sys III W Long 327)
To: 5.52 Rj (inside ribbon) at fixed cone
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 UVFLUSHes
WAVELENGTHS (Angstroms):
Emission lines: UVS (S++ 1194, S+ 1259), EUV (S++ 685, S+ 765, O+ 834)
1POSN-66STEP G MINISCAN (UVS): G 1174.9-1275.2 (CTR 1225.9, STEP 61) [BOTH FRAMES]
Strategy for MINISCANS: Use 66STEP G for S lines, in place of 16STEP N/N and 22STEP N/G

Design Detail

```
PSID    RIM:mf   CDS PA
-----------------------------------------------------------------------------------------
384BN   0        0   COMMENT [UVS RIM 0]
349LY   0:69     28  UVFLUSH [6UVRT, PACKET, EUV]
157BR   1        66  CMDRS (10+14*4) [PLAN DUR 181, EST UVS CMDS 4]
349LZ   1:69     28  UVFLUSH [6UVRT, DISCRD, UVS]
165BH   2        36  TARGET [CONE 94.29, CLOCK 89.55], UTILITY [7CONE/7STAT, SCAN TYPE 6]
        2            34UVS,DD,F,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NO,1,48,75,00,00 [66STEP G]
176BL   4        15  SCITLM [RESUME PB]
349MA   60:69    28  UVFLUSH [6UVRT, PACKET, BOTH]
        62           34UVS,DD,F,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NO,1,48,75,00,00 [66STEP G]
349MB   120:69   28  UVFLUSH [6UVRT, PACKET, BOTH]
        122          34UVS,DD,F,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NO,1,48,75,00,00 [66STEP G]
349PC   180:69   28  UVFLUSH [6UVRT, PACKET, BOTH]
        182          34UVS,C1,F,N,N,N,S,0,OFF,OFF,ON,OFF,OFF,NO,1,2C,05,00,00 [HVOFF]
```

Activity ID: Orbit C3 **OAPEL** TVEUVAUR **SeqNo** 01-

Title EUV AURORA CONFIGURE, E4 INBOUND **Instrument** EUV

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

Time System CDS **Load ID** C3C **Calendar Date** 12/12/96 **Week** 50

Start	JEE+CDS 00051381:00:0	96-347/15:19:36.933	JEE+036/01:51:54.000
End	JEE+CDS 00051384:00:0	96-347/15:22:38.933	JEE+036/01:54:56.000
Duration	00000003:00:0	000/00:03:02.000	000/00:03:02.000

Top Label C3TVEUVAUR01-

Bottom Label (EUV Aurora Configure)

Plot Key EUV **Type** SCI

CDS Bytes 200 **Report Options** BOTH **Scan Platform** No

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

Observation Objective

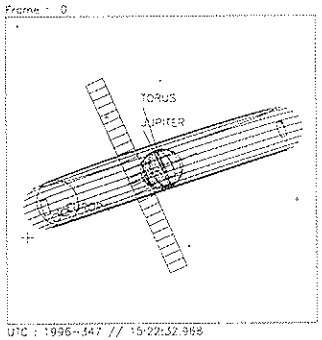
EUV AURORA CONFIGURE, E4 INBOUND:
Load aurora Fixed Pattern Noise Table (FPNT), using Phase 2 EUVAUR library sequence
Configure EUV for taking data, using an EUVCMD PA

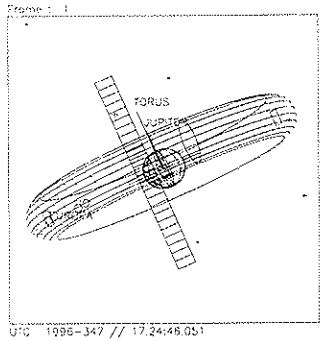
Design Detail

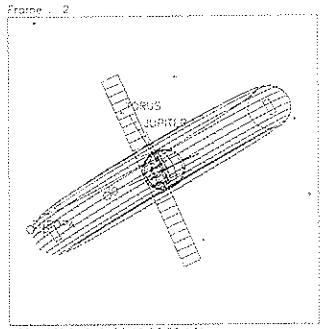
```
PSID    RIM:mf  CDS PA
-----------------------------------------------------------------------------------------
384BO   0       0   COMMENT [UVS RIM 0]
        0       179 [LOAD PHASE 2 EUVAUR LIBRARY SEQUENCE]
351BB   2       21  EUVCMD [TARGET BODY JUPITER]
        2           24EUV,N,C,3,5D,C,1,18 [STARTING STEP 93, 1 SCAN/SECTOR, 24 SECTORS]
```

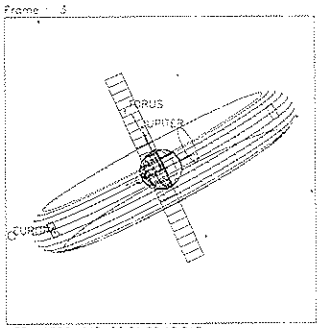
C3TVE 'AUR01

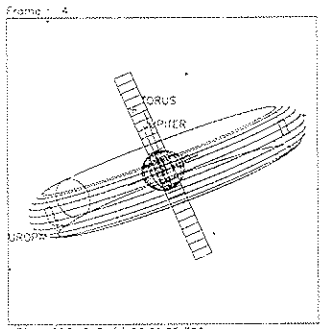
Thu Feb 11 23:54:56 1999

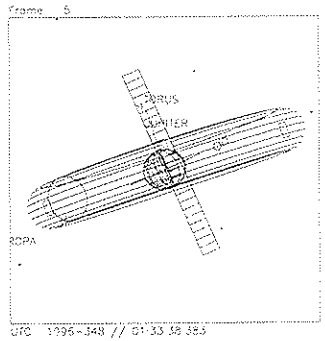


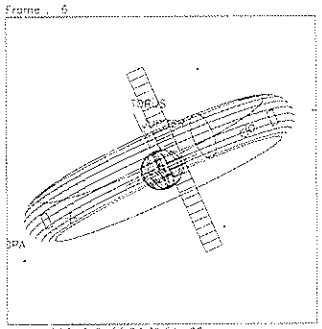


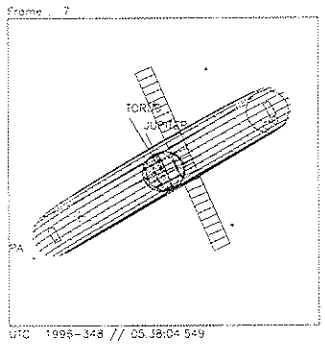


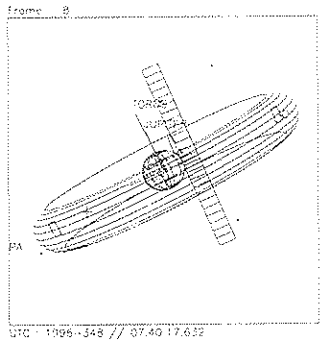












Start UTC_TIME : 1996-347 // 15:22:32.968
No End Time :
Start SCLK : 1/03737399:00:0:0

Target Body : JUPITER
Target Ra/Dec : 194.22/ -7.75 Deg
S/C to Body Center : 4048985. Km (56.835497 Rj)
Z-axis Pointing (Ra / Dec) : 108.93 / 23.42 Deg

Activity ID: Orbit C3 **OAPEL** JUE4AURA **SeqNo** 01-

Title UVS/EUV AURORA MAP 1, LO RATE E4 INBD **Instrument** UVS

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

Time System CDS **Load ID** C3C **Calendar Date** 12/12/96 **Week** 50

Start	JEE+CDS 00051381:00:0	96-347/15:19:36.933	JEE+036/01:51:54.000
End	JEE+CDS 00051621:00:0	96-347/19:22:16.933	JEE+036/05:54:34.000
Duration	00000240:00:0	000/04:02:40.000	000/04:02:40.000

Top Label C3JUE4AURA01-

Bottom Label (UVS/EUV RTS Aurora)

Plot Key	UVS	**Type**	SCI		
CDS Bytes	230	**Report Options**	BOTH	**Scan Platform**	Yes
CDS Source	PA	**Spin State**	DUAL	**DMS**	No

Observation Objective

UVS/EUV JUPITER AURORA MAP 1 (NIGHTGLOW), LOW RATE, E4 INBOUND:
From: 1.2 Rj (outside Jupiter) at cone 90 (TARGETing equatorial nightglow), dark limb
To: Remain on dark side for equatorial nightglow
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 (H2 1253, H2 1611)
2POSN-88STEP G/G MINISCAN (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 nightglow

Design Detail

PSID	RIM:mf	CDS	PA
384BP	-3	0	COMMENT [UVS RIM 0]
176BM	-3	15	SCITLM [PAUSE PB]
157BS	2	24	CMDRS (10+14*1) [PLAN DUR 1, EST UVS CMDS 1]
349MD	2:69	28	UVFLUSH [6UVRT, DISCRD, BOTH]
165BI	3	36	TARGET [CONE 90.00, CLOCK 89.23], UTILITY [7CONE/7STAT, SCAN TYPE 6]
	3		34UVS,DF,F,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NO,1,2C,7D,00,2C [88STEP G/G]
176BN	5	15	SCITLM [RESUME PB]
349ME	58:69	28	UVFLUSH [6UVRT, PACKET, BOTH]
349MF	118:69	28	UVFLUSH [6UVRT, PACKET, BOTH]
349MG	178:69	28	UVFLUSH [6UVRT, PACKET, BOTH]
349MH	238:69	28	UVFLUSH [6UVRT, PACKET, BOTH]

Activity ID: Orbit C3 **OAPEL** JUE4AURA **SeqNo** 02-

Title UVS/EUV AURORA MAP 2, HI RATE E4 INBD **Instrument** UVS

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

Time System CDS **Load ID** C3C **Calendar Date** 12/12/96 **Week** 50

Start	JEE+CDS 00051621:00:0	96-347/19:22:16.933	JEE+036/05:54:34.000
End	JEE+CDS 00051924:00:0	96-348/00:28:38.933	JEE+036/11:00:56.000
Duration	00000303:00:0	000/05:06:22.000	000/05:06:22.000

Top Label C3JUE4AURA02-

Bottom Label (UVS/EUV RTS Aurora)

Plot Key	UVS	**Type**	SCI		
CDS Bytes	328	**Report Options**	BOTH	**Scan Platform**	Yes
CDS Source	PA	**Spin State**	DUAL	**DMS**	No

Observation Objective

UVS/EUV JUPITER AURORA MAP 2 (NORTHERN AURORA), HIGH RATE (JUPITER CENTER), E4 INBOUND:
From: Cone 90 (TARGETing 60 deg North latitude), dark side (first 6 UVS FLUSHes)
To: Cone 90, bright side (last UVS FLUSH)
Data rate: FLUSHes # 1, 6, and 7 last 60 RIMS; thus, 4.87 bps UVS, 4.87 bps EUV
FLUSHes # 2 to 5 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, 60- or 30-RIM UVFLUSHes needed to PACKET BOTH,
after initial DISCRD
WAVELENGTHS (Angstroms):
Emission lines: UVS (H2 1253, H2 1611)
FULLSCAN F/G (UVS): F 1616.5-3227.9 (CTR 2436.8, STEP 264) [EVEN FRAMES],

Design Detail

```
PSID    RIM:mf  CDS PA
-----------------------------------------------------------------------------------------
384BQ   -2      0   COMMENT [UVS RIM 0]
176BO   -2      15  SCITLM [PAUSE PB]
157BT   2       38  CMDRS (10+14*2) [PLAN DUR 301, EST UVS CMDS 2]
349OO   2:69    28  UVFLUSH [6UVRT, DISCRD, BOTH]
165BJ   3       36  TARGET [CONE 90.00, CLOCK 90.09], UTILITY [7CONE/7STAT, SCAN TYPE 6]
        3           34UVS,07,S,N,N,N,S,0,ON,OFF,ON,ON,OFF,NO,1,00,9C,01,2C [FULLSCAN F/G]
176BP   7       15  SCITLM [RESUME PB]
349MI   61:69   28  UVFLUSH [6UVRT, PACKET, BOTH]
349MJ   91:69   28  UVFLUSH [6UVRT, PACKET, BOTH]
349MK   121:69  28  UVFLUSH [6UVRT, PACKET, BOTH]
349ML   151:69  28  UVFLUSH [6UVRT, PACKET, BOTH]
349MM   181:69  28  UVFLUSH [6UVRT, PACKET, BOTH]
349MN   241:69  28  UVFLUSH [6UVRT, PACKET, BOTH]
349MO   301:69  28  UVFLUSH [6UVRT, PACKET, BOTH]
        303         34UVS,C1,F,N,N,N,S,0,OFF,OFF,ON,OFF,OFF,NO,1,2C,05,00,00 [HVOFF]
```

Activity ID: Orbit C3 **OAPEL** JUE4AURA **SeqNo** 03-

Title UVS/EUV AURORA MAP 3, LO RATE E4 INBD **Instrument** UVS

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

Time System CDS **Load ID** C3C **Calendar Date** 12/13/96 **Week** 50

Start	JEE+CDS 00051983:00:0	96-348/01:28:18.266	JEE+036/12:00:35.333
End	JEE+CDS 00052348:00:0	96-348/07:37:21.599	JEE+036/18:09:38.666
Duration	00000365:00:0	000/06:09:03.333	000/06:09:03.333

Top Label C3JUE4AURA03-

Bottom Label (UVS/EUV RTS Aurora)

Plot Key	UVS	**Type**	SCI		
CDS Bytes	422	**Report Options**	BOTH	**Scan Platform**	Yes
CDS Source	PA	**Spin State**	DUAL	**DMS**	No

Observation Objective

UVS/EUV JUPITER AURORA MAP 3 (SOUTHERN AURORA), LOW RATE, E4 INBOUND:
From: Cone 91.2 (TARGETing 60 deg South latitude), dark side (first 5 UVS FLUSHes)
To: Cone 90.9, bright side (last UVS FLUSH)
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 UVFLUSHes
WAVELENGTHS (Angstroms):
Emission lines: UVS (H2 1253, H2 1611)
FULLSCAN F/G (UVS): F 1616.5-3227.9 (CTR 2436.8, STEP 264) [EVEN FRAMES],
G 1131.5-1920.1 (CTR 1534.7, STEP 264) [ODD FRAMES]
Strategy for MINISCANS: Use FULLSCAN F/G for aurora

Design Detail

```
PSID     RIM:mf   CDS PA
-----------------------------------------------------------------------------------------
384BR    -3       0   COMMENT [UVS RIM 0]
176BQ    -3       15  SCITLM [PAUSE PB]
349MP    1:69     28  UVFLUSH [6UVRT, PACKET, EUV]
157BU    2        38  CMDRS (10+14*2) [PLAN DUR 363, EST UVS CMDS 2]
349MQ    2:69     28  UVFLUSH [6UVRT, DISCRD, UVS]
165BK    3        36  TARGET [CONE 91.20, CLOCK 88.37], UTILITY [7CONE/7STAT, SCAN TYPE 6]
         3            34UVS,07,S,N,N,N,S,0,ON,OFF,ON,ON,OFF,NO,1,00,9C,01,2C [FULLSCAN F/G]
176BR    6        15  SCITLM [RESUME PB]
349MR    61:69    140 UVFLUSH (28*5) [6UVRT, PACKET, BOTH]
...MV                ... [REPEAT 4 ADDITIONAL TIMES]
176BW    299      15  SCITLM [PAUSE PB]
349OP    304:69   28  UVFLUSH [6UVRT, DISCRD, BOTH]
165BS    305      36  TARGET [CONE 90.90, CLOCK 88.37], UTILITY [7CONE/7STAT, SCAN TYPE 6]
176BX    308      15  SCITLM [RESUME PB]
349PD    363:69   28  UVFLUSH [6UVRT, PACKET, BOTH]
         365          34UVS,C1,F,N,N,N,S,0,OFF,OFF,ON,OFF,OFF,NO,1,2C,05,00,00 [HVOFF]
```

Activity ID: Orbit C3 **OAPEL** TVEUVTOR **SeqNo** 01-

Title EUV TORUS CONFIGURE, E4 INBOUND **Instrument** EUV

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

Time System CDS **Load ID** C3C **Calendar Date** 12/13/96 **Week** 50

Start	JEE+CDS 00052348:00:0	96-348/07:37:21.599	JEE+036/18:09:38.666
End	JEE+CDS 00052353:00:0	96-348/07:42:24.933	JEE+036/18:14:42.000
Duration	00000005:00:0	000/00:05:03.334	000/00:05:03.334

Top Label C3TVEUVTOR01-

Bottom Label (EUV Torus Configure)

Plot Key	EUV	**Type**	SCI		
CDS Bytes	200	**Report Options**	BOTH	**Scan Platform**	No
CDS Source	PA	**Spin State**	DUAL	**DMS**	No

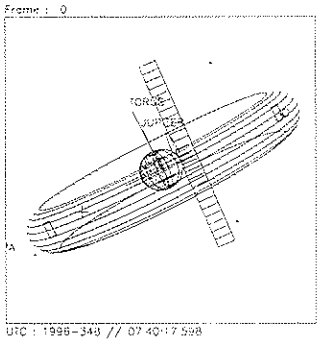
Observation Objective

EUV TORUS CONFIGURE, E4 INBOUND:
Load torus Fixed Pattern Noise Table (FPNT), using Phase 2 EUVTOR library sequence
Configure EUV for taking data, using an EUVCMD PA

Design Detail

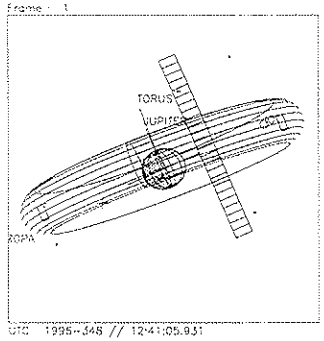
```
PSID    RIM:mf  CDS PA
-----------------------------------------------------------------------------
384BS   0       0   COMMENT [UVS RIM 0]
        0       179 [LOAD PHASE 2 EUVTOR LIBRARY SEQUENCE]
351BC   2       21  EUVCMD [TARGET BODY TORUS]
        2           24EUV,N,C,3,5D,C,1,18 [STARTING STEP 93, 1 SCAN/SECTOR, 24 SECTORS]
```

Frame : 0



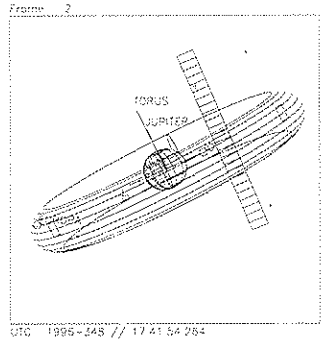
UTC : 1996-348 // 07:40:17.598
SCLK: 1/03738366:00:0:0

Frame : 1



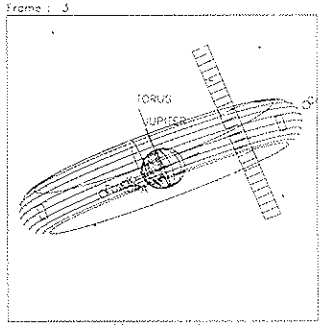
UTC : 1996-348 // 12:41:05.931
SCLK: 1/03738663:45:5:1

Frame : 2



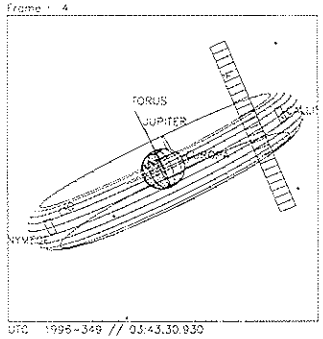
UTC : 1996-348 // 17:41:54.264
SCLK: 1/03738961:00:0:3

Frame : 3



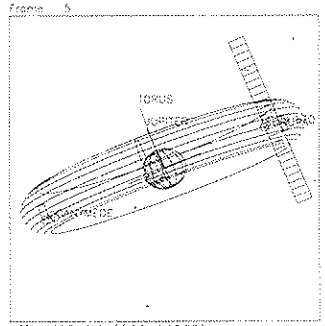
UTC : 1996-348 // 22:42:42.597
SCLK: 1/03739258:45:5:4

Frame : 4



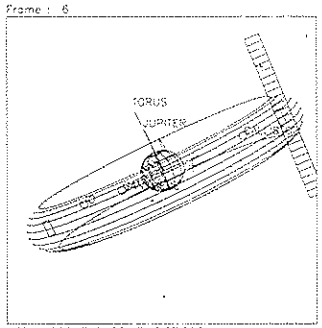
UTC : 1996-349 // 03:43:30.930
SCLK: 1/03739556:00:0:5

Frame : 5



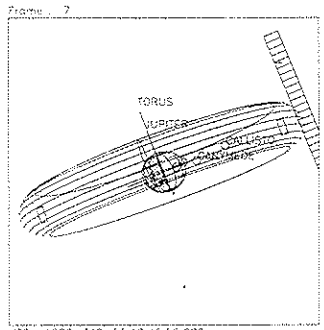
UTC : 1996-349 // 08:44:19.253
SCLK: 1/03739853:45:5:6

Frame : 6



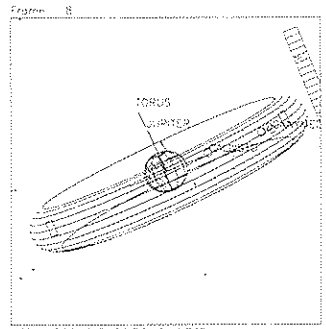
UTC : 1996-349 // 13:45:07.595
SCLK: 1/03740151:00:1:0

Frame : 7



UTC : 1996-349 // 18:45:55.929
SCLK: 1/03740448:45:6:1

Frame : 8



UTC : 1996-349 // 23:46:44.262
SCLK: 1/03740746:00:1:2

Start UTC_TIME : 1996-348 // 07:40:17.598
No End Time :
Start SCLK : 1/03738366:00:0:0

Target Body : JUPITER
Target Ra/Dec : 196.70/ -8.83 Deg
S/C to Body Center : 3794922. Km (53.081769 Rj)
Z-axis Pointing (Ra / Dec) : 108.93 / 23.42 Deg

Activity ID: Orbit C3 **OAPEL** TUE4MPRO **SeqNo** 04-

Title UVS/EUV MIDNIGHT ANSA PROFILE 4, E4 INBD **Instrument** UVS

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

Time System CDS **Load ID** C3C **Calendar Date** 12/13/96 **Week** 50

Start	JEE+CDS 00052348:00:0	96-348/07:37:21.599	JEE+036/18:09:38.666
End	JEE+CDS 00052833:00:0	96-348/15:47:44.933	JEE+037/02:20:02.000
Duration	00000485:00:0	000/08:10:23.334	000/08:10:23.334

Top Label C3TUE4MPRO04-

Bottom Label (UVS/EUV RTS Torus)

Plot Key	UVS	**Type**	SCI		
CDS Bytes	417	**Report Options**	BOTH	**Scan Platform**	Yes
CDS Source	PA	**Spin State**	DUAL	**DMS**	No

Observation Objective

UVS/EUV IO TORUS MIDNIGHT ANSA RADIAL PROFILE 4, E4 INBOUND:
From: 6.56 Rj (outside ribbon) at cone > 90 (ribbon at 5.76 Rj, Sys III W Long 40)
To: 5.02 Rj (inside ribbon) at fixed cone
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++ 1194, S+ 1259), EUV (S++ 685, S+ 765, O+ 834)
1POSN-66STEP G MINISCAN (UVS): G 1174.9-1275.2 (CTR 1225.9, STEP 61) [BOTH FRAMES]
Strategy for MINISCANS: Use 66STEP G for S lines, in place of 16STEP N/N and 22STEP N/G

Design Detail

```
PSID     RIM:mf   CDS PA
-----------------------------------------------------------------------------------------
384BT    -2       0   COMMENT [UVS RIM 0]
176BS    -2       15  SCITLM [PAUSE PB]
61BG     2        37  LOOPER [LOOP PERIOD 120, NUM LOOPS 4]
157BV    4        38  CMDRS (10+14*2) [PLAN DUR 61, EST UVS CMDS 2]
349MW    4:69     28  UVFLUSH [6UVRT, DISCRD, BOTH]
165BL    5        36  TARGET [CONE 98.48, CLOCK 89.80], UTILITY [7CONE/7STAT, SCAN TYPE 6]
         5            34UVS,DD,F,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NO,1,48,75,00,00 [66STEP G]
176BT    6        15  SCITLM [RESUME PB]
349MX    63:69    112 UVFLUSH (28*4) [6UVRT, PACKET, BOTH]
         65           34UVS,DD,F,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NO,1,48,75,00,00 [66STEP G]
349MY    123:69   112 UVFLUSH (28*4) [6UVRT, PACKET, BOTH]
...NE                ... [REPEAT 3 ADDITIONAL TIMES]
157BW    484      24  CMDRS (10+14*1) [PLAN DUR 1, EST UVS CMDS 1]
         485          34UVS,C1,F,N,N,N,S,0,OFF,OFF,ON,OFF,OFF,NO,1,2C,05,00,00 [HVOFF]
```

Activity ID: Orbit C3 **OAPEL** TUE4MPRO **SeqNo** 05-

Title UVS/EUV MIDNIGHT ANSA PROFILE 5, E4 INBD **Instrument** UVS

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

Time System CDS **Load ID** C3C **Calendar Date** 12/13/96 **Week** 50

Start	JEE+CDS 00052833:00:0	96-348/15:47:44.933	JEE+037/02:20:02.000
End	JEE+CDS 00053378:00:0	96-349/00:58:48.266	JEE+037/11:31:05.333
Duration	00000545:00:0	000/09:11:03.333	000/09:11:03.333

Top Label C3TUE4MPRO05-

Bottom Label (UVS/EUV RTS Torus)

Plot Key	UVS	**Type**	SCI		
CDS Bytes	459	**Report Options**	BOTH	**Scan Platform**	Yes
CDS Source	PA	**Spin State**	DUAL	**DMS**	No

Observation Objective

UVS/EUV IO TORUS MIDNIGHT ANSA RADIAL PROFILE 5, E4 INBOUND:
From: 6.69 Rj (outside ribbon) at cone > 90 (ribbon at 5.76 Rj, Sys III W Long 353)
To: 4.88 Rj (inside ribbon) at fixed cone
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++ 1194, S+ 1259), EUV (S++ 685, S+ 765, O+ 834)
1POSN-66STEP G MINISCAN (UVS): G 1174.9-1275.2 (CTR 1225.9, STEP 61) [BOTH FRAMES]
Strategy for MINISCANS: Use 66STEP G for S lines, in place of 16STEP N/N and 22STEP N/G

Design Detail

```
PSID     RIM:mf   CDS PA
-----------------------------------------------------------------------------------------
384BU    -2       0   COMMENT [UVS RIM 0]
176BU    -2       15  SCITLM [PAUSE PB]
61BH     2        37  LOOPER [LOOP PERIOD 120, NUM LOOPS 4]
157BX    4        38  CMDRS (10+14*2) [PLAN DUR 61, EST UVS CMDS 2]
349NF    4:69     28  UVFLUSH [6UVRT, DISCRD, BOTH]
165BM    5        36  TARGET [CONE 100.38, CLOCK 89.80], UTILITY [7CONE/7STAT, SCAN TYPE 6]
         5            34UVS,DD,F,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NO,1,48,75,00,00 [66STEP G]
176BV    6        15  SCITLM [RESUME PB]
349NG    63:69    112 UVFLUSH (28*4) [6UVRT, PACKET, BOTH]
         65           34UVS,DD,F,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NO,1,48,75,00,00 [66STEP G]
349NH    123:69   112 UVFLUSH (28*4) [6UVRT, PACKET, BOTH]
...NN                ... [REPEAT 3 ADDITIONAL TIMES]
157BY    484      38  CMDRS (10+14*2) [PLAN DUR 61, EST UVS CMDS 2]
         485          34UVS,DD,F,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NO,1,48,75,00,00 [66STEP G]
349NO    543:69   28  UVFLUSH [6UVRT, PACKET, BOTH]
         545          34UVS,C1,F,N,N,N,S,0,OFF,OFF,ON,OFF,OFF,NO,1,2C,05,00,00 [HVOFF]
```

Activity ID: Orbit C3 **OAPEL** TUE4MPRO **SeqNo** 06-

Title UVS/EUV MIDNIGHT ANSA PROFILE 6, E4 INBD **Instrument** UVS

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

Time System CDS **Load ID** C3C **Calendar Date** 12/14/96 **Week** 50

Start	JEE+CDS 00053451:00:0	96-349/02:12:36.933	JEE+037/12:44:54.000
End	JEE+CDS 00053755:00:0	96-349/07:19:59.599	JEE+037/17:52:16.666
Duration	00000304:00:0	000/05:07:22.666	000/05:07:22.666

Top Label C3TUE4MPRO06-

Bottom Label (UVS/EUV RTS Torus)

Plot Key	UVS	**Type**	SCI		
CDS Bytes	326	**Report Options**	BOTH	**Scan Platform**	Yes
CDS Source	PA	**Spin State**	DUAL	**DMS**	No

Observation Objective

UVS/EUV IO TORUS MIDNIGHT ANSA RADIAL PROFILE 6, E4 INBOUND:
From: 6.29 Rj (outside ribbon) at cone > 90 (ribbon at 5.76 Rj, Sys III W Long 292)
To: 5.24 Rj (inside ribbon) at fixed cone
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 UVFLUSHes
WAVELENGTHS (Angstroms):
Emission lines: UVS (S++ 1194, S+ 1259), EUV (S++ 685, S+ 765, O+ 834)
1POSN-66STEP G MINISCAN (UVS): G 1174.9-1275.2 (CTR 1225.9, STEP 61) [BOTH FRAMES]
Strategy for MINISCANS: Use 66STEP G for S lines, in place of 16STEP N/N and 22STEP N/G

Design Detail

```
PSID     RIM:mf   CDS PA
-----------------------------------------------------------------------------------------
384BV    0        0   COMMENT [UVS RIM 0]
349NP    2:69     28  UVFLUSH [6UVRT, PACKET, EUV]
157BZ    3        94  CMDRS (10+14*6) [PLAN DUR 301, EST UVS CMDS 6]
349NQ    3:69     28  UVFLUSH [6UVRT, DISCRD, UVS]
165BN    4        36  TARGET [CONE 102.38, CLOCK 89.15]
         4            34UVS,DD,F,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NO,1,48,75,00,00 [66STEP G]
349NR    62:69    28  UVFLUSH [6UVRT, PACKET, BOTH]
         64           34UVS,DD,F,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NO,1,48,75,00,00 [66STEP G]
349NS    122:69   28  UVFLUSH [6UVRT, PACKET, BOTH]
         124          34UVS,DD,F,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NO,1,48,75,00,00 [66STEP G]
349NT    182:69   28  UVFLUSH [6UVRT, PACKET, BOTH]
         184          34UVS,DD,F,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NO,1,48,75,00,00 [66STEP G]
349NU    242:69   28  UVFLUSH [6UVRT, PACKET, BOTH]
         244          34UVS,DD,F,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NO,1,48,75,00,00 [66STEP G]
349PE    302:69   28  UVFLUSH [6UVRT, PACKET, BOTH]
         304          34UVS,C1,F,N,N,N,S,0,OFF,OFF,ON,OFF,OFF,NO,1,2C,05,00,00 [HVOFF]
```

Activity ID: Orbit C3 **OAPEL** TUE4NANS **SeqNo** 01-

Title UVS/EUV NOON ANSA MAP 1, LO RATE E4 INBD **Instrument** UVS

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

Time System CDS **Load ID** C3C **Calendar Date** 12/14/96 **Week** 50

Start	JEE+CDS 00053868:00:0	96-349/09:14:14.933	JEE+037/19:46:32.000
End	JEE+CDS 00053990:00:0	96-349/11:17:36.266	JEE+037/21:49:53.333
Duration	00000122:00:0	000/02:03:21.333	000/02:03:21.333

Top Label C3TUE4NANS01-

Bottom Label (UVS/EUV RTS Torus)

Plot Key	UVS	**Type**	SCI		
CDS Bytes	186	**Report Options**	BOTH	**Scan Platform**	Yes
CDS Source	PA	**Spin State**	DUAL	**DMS**	No

Observation Objective

UVS/EUV IO TORUS NOON ANSA MAP 1, LOW RATE, E4 INBOUND:
From: 5.33 Rj (inside ribbon) at cone 90 (ribbon at 5.76 Rj, Sys III W Long 40)
To: 5.64 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 UVFLUSHes
WAVELENGTHS (Angstroms):
Emission lines: UVS (S++ 1194, S+ 1259), EUV (S++ 685, S+ 765, O+ 834)
1POSN-66STEP G MINISCAN (UVS): G 1174.9-1275.2 (CTR 1225.9, STEP 61) [BOTH FRAMES]
Strategy for MINISCANS: Use 66STEP G for S lines, in place of 16STEP N/N and 22STEP N/G

Design Detail

PSID	RIM:mf	CDS	PA
384BW	0	0	COMMENT [UVS RIM 0]
349NV	0:69	28	UVFLUSH [6UVRT, DISCRD, EUV]
157KA	1	38	CMDRS (10+14*2) [PLAN DUR 61, EST UVS CMDS 2]
349NW	1:69	28	UVFLUSH [6UVRT, DISCRD, UVS]
165BO	2	36	TARGET [CONE 90.00, CLOCK 90.00]
	2		34UVS,DD,F,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NO,1,48,75,00,00 [66STEP G]
349NX	60:69	28	UVFLUSH [6UVRT, PACKET, BOTH]
	62		34UVS,DD,F,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NO,1,48,75,00,00 [66STEP G]
349NY	120:69	28	UVFLUSH [6UVRT, PACKET, BOTH]

Activity ID: Orbit C3 **OAPEL** TUE4NANS **SeqNo** 02-

Title UVS/EUV NOON ANSA MAP 2, HI RATE E4 INBD **Instrument** UVS

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

Time System CDS **Load ID** C3C **Calendar Date** 12/14/96 **Week** 50

Start	JEE+CDS 00053990:00:0	96-349/11:17:36.266	JEE+037/21:49:53.333
End	JEE+CDS 00054110:00:0	96-349/13:18:56.266	JEE+037/23:51:13.333
Duration	00000120:00:0	000/02:01:20.000	000/02:01:20.000

Top Label C3TUE4NANS02-

Bottom Label (UVS/EUV RTS Torus)

Plot Key	UVS	**Type**	SCI		
CDS Bytes	178	**Report Options**	BOTH	**Scan Platform**	Yes
CDS Source	PA	**Spin State**	DUAL	**DMS**	No

Observation Objective

UVS/EUV IO TORUS NOON ANSA MAP 2, HIGH RATE (RIBBON), E4 INBOUND:
From: 5.64 Rj at cone 90 (ribbon at 5.76 Rj, Sys III W Long 40)
To: 5.95 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++ 1194, S+ 1259), EUV (S++ 685, S+ 765, O+ 834)
1POSN-66STEP G MINISCAN (UVS): G 1174.9-1275.2 (CTR 1225.9, STEP 61) [BOTH FRAMES]
Strategy for MINISCANS: Use 66STEP G for S lines, in place of 16STEP N/N and 22STEP N/G

Design Detail

```
PSID     RIM:mf   CDS PA
-----------------------------------------------------------------------------------------
384BX    -1       0   COMMENT [UVS RIM 0]
157KB    -1       66  CMDRS (10+14*4) [PLAN DUR 91, EST UVS CMDS 4]
         0            34UVS,DD,F,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NO,1,48,75,00,00 [66STEP G]
349NZ    28:69    28  UVFLUSH [6UVRT, PACKET, BOTH]
         30           34UVS,DD,F,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NO,1,48,75,00,00 [66STEP G]
349OA    58:69    28  UVFLUSH [6UVRT, PACKET, BOTH]
         60           34UVS,DD,F,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NO,1,48,75,00,00 [66STEP G]
349OB    88:69    28  UVFLUSH [6UVRT, PACKET, BOTH]
         90           34UVS,DD,F,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NO,1,48,75,00,00 [66STEP G]
349OC    118:69   28  UVFLUSH [6UVRT, PACKET, BOTH]
```

Activity ID:	Orbit C3	**OAPEL** TUE4NANS	**SeqNo** 31-
Title	UVS/EUV NOON ANSA MAP 3-1, LO RT E4 INBD		**Instrument** UVS
Requestor	UVS-MWG/S.STEPHENS	**Team** UVS	**Working Group** MWG

Time System CDS	**Load ID** C3C	**Calendar Date** 12/14/96	Week 50		
Start	JEE+CDS 00054110:00:0	96-349/13:18:56.266	JEE+037/23:51:13.333		
End	JEE+CDS 00054350:00:0	96-349/17:21:36.266	JEE+038/03:53:53.333		
Duration	00000240:00:0	000/04:02:40.000	000/04:02:40.000		

Top Label	C3TUE4NANS31-				
Bottom Label	(UVS/EUV RTS Torus)				
Plot Key	UVS	**Type**	SCI		
CDS Bytes	192	**Report Options**	BOTH	**Scan Platform**	Yes
CDS Source	PA	**Spin State**	DUAL	**DMS**	No

Observation Objective

UVS/EUV IO TORUS NOON ANSA MAP 3 (PART 1), LOW RATE, E4 INBOUND:
From: 5.95 Rj at cone 90 (ribbon at 5.76 Rj, Sys III W Long 40)
To: 6.56 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
WAVELENGTHS (Angstroms):
Emission lines: UVS (S++ 1194, S+ 1259), EUV (S++ 685, S+ 765, O+ 834)
1POSN-66STEP G MINISCAN (UVS): G 1174.9-1275.2 (CTR 1225.9, STEP 61) [BOTH FRAMES]
Strategy for MINISCANS: Use 66STEP G for S lines, in place of 16STEP N/N and 22STEP N/G

Design Detail

```
PSID    RIM:mf  CDS PA
-----------------------------------------------------------------------------------------
384BY   -1      0   COMMENT [UVS RIM 0]
157KC   -1      80  CMDRS (10+14*5) [PLAN DUR 241, EST UVS CMDS 5]
        0           34UVS,DD,F,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NO,1,48,75,00,00 [66STEP G]
349OD   58:69   28  UVFLUSH [6UVRT, PACKET, BOTH]
        60          34UVS,DD,F,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NO,1,48,75,00,00 [66STEP G]
349OE   118:69  28  UVFLUSH [6UVRT, PACKET, BOTH]
        120         34UVS,DD,F,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NO,1,48,75,00,00 [66STEP G]
349OF   178:69  28  UVFLUSH [6UVRT, PACKET, BOTH]
        180         34UVS,DD,F,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NO,1,48,75,00,00 [66STEP G]
349OG   238:69  28  UVFLUSH [6UVRT, PACKET, BOTH]
        240         34UVS,C1,F,N,N,N,S,0,OFF,OFF,ON,OFF,OFF,NO,1,2C,05,00,00 [HVOFF]
```

Activity ID:	Orbit C3	OAPEL TUE4NANS	SeqNo 32-
Title	UVS/EUV NOON ANSA MAP 3-2, LO RT E4 INBD	Instrument	UVS
Requestor	UVS-MWG/S.STEPHENS	Team UVS	Working Group MWG

Time System	CDS	Load ID	C3C	Calendar Date	12/14/96 Week 50
Start	JEE+CDS 00054429:00:0	96-349/18:41:28.933		JEE+038/05:13:46.000	
End	JEE+CDS 00054733:00:0	96-349/23:48:51.599		JEE+038/10:21:08.666	
Duration	00000304:00:0	000/05:07:22.666		000/05:07:22.666	

Top Label	C3TUE4NANS32-				
Bottom Label	(UVS/EUV RTS Torus)				
Plot Key	UVS	Type	SCI		
CDS Bytes	326	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	No

Observation Objective

UVS/EUV IO TORUS NOON ANSA MAP 3 (PART 2), LOW RATE, E4 INBOUND:
From: 6.78 Rj at cone 90 (ribbon at 5.76 Rj, Sys III W Long 40)
To: 7.54 Rj (near end of C3C) 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 UVFLUSHes
WAVELENGTHS (Angstroms):
Emission lines: UVS (S++ 1194, S+ 1259), EUV (S++ 685, S+ 765, O+ 834)
1POSN-66STEP G MINISCAN (UVS): G 1174.9-1275.2 (CTR 1225.9, STEP 61) [BOTH FRAMES]
Strategy for MINISCANS: Use 66STEP G for S lines, in place of 16STEP N/N and 22STEP N/G

Design Detail

```
PSID     RIM:mf   CDS PA
-----------------------------------------------------------------------------------------
384BZ    0        0   COMMENT [UVS RIM 0]
349OH    2:69     28  UVFLUSH [6UVRT, PACKET, EUV]
157KD    3        94  CMDRS (10+14*6) [PLAN DUR 301, EST UVS CMDS 6]
349OI    3:69     28  UVFLUSH [6UVRT, DISCRD, UVS]
165BP    4        36  TARGET [CONE 90.00, CLOCK 90.00]
         4            34UVS,DD,F,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NO,1,48,75,00,00 [66STEP G]
349OJ    62:69    28  UVFLUSH [6UVRT, PACKET, BOTH]
         64           34UVS,DD,F,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NO,1,48,75,00,00 [66STEP G]
349OK    122:69   28  UVFLUSH [6UVRT, PACKET, BOTH]
         124          34UVS,DD,F,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NO,1,48,75,00,00 [66STEP G]
349OL    182:69   28  UVFLUSH [6UVRT, PACKET, BOTH]
         184          34UVS,DD,F,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NO,1,48,75,00,00 [66STEP G]
349OM    242:69   28  UVFLUSH [6UVRT, PACKET, BOTH]
         244          34UVS,DD,F,N,N,N,S,0,OFF,OFF,ON,ON,OFF,NO,1,48,75,00,00 [66STEP G]
349ON    302:69   28  UVFLUSH [6UVRT, PACKET, BOTH]
         304          34UVS,C1,F,N,N,N,S,0,OFF,OFF,ON,OFF,OFF,NO,1,2C,05,00,00 [HVOFF]
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