Activity ID:	Orbit 11	OAPEL HUSTRCAL		**SeqNo**	01-
Title	Star Calibration			**Instrument**	UVS
Requestor	UVS-AWG/W. KENT TOBISKA	**Team**	UVS	**Working Group**	AWG

Time System	CDS	**Load ID**	11A	**Calendar Date**	11/02/97
Start	JEE-CDS 00005957:00:0	97-306/20:18:25.333		JEE-004/04:23:11.333	
End	JEE-CDS 00005833:00:0	97-306/22:23:48.000		JEE-004/02:17:48.666	
Duration	00000124:00:0	000/02:05:22.667		000/02:05:22.667	

Week 44

Top Label	11HUSTRCAL01-				
Bottom Label	realtime				
Plot Key	UVS	**Type**	SCI		
CDS Bytes	334	**Report Options**	BOTH	**Scan Platform**	Yes
CDS Source	OAP	**Spin State**	DUAL	**DMS**	No

Observation Objective

Star calibration at the end of the tour on delta-Scorpii (same star as in G1, C3, and C9 calibrations) at RA/Dec = 239.34/-22.48; type B02, mag 2.5. Second calibration on Vega at RA/Dec = 278.8/38.7; type A08, mag 0.1.

Realtime observation at 10 bps for 2.0 hours; F/G full scan. Distance from Jupiter = 44 Rj.

Last cn/ck = TBD.

Design Detail

```
PSID   CDS RIM COMMAND PARAMETERS
384AA   00   00 COMMNT UVS RIM 0
 61AA   28   02+LOOPER DUR = 30 RIMS; REPEAT = 4 (157AA)
349AA   28   03+UVFLSH DISCRD,UVS
157AA   38   03 CMDRS  PLAN_DUR = 21 RIMS; EST_UVS_CMDS = 2
           04      1
34UVS/UVF:07,SCAN,NORM,NORM,NORM,SAME,0,ON,OFF,ON,ON,OFF,NOOVR,1,00,9C,01,2C
           24     21
34UVS/OFF:C1,FIXED,NORM,NORM,NORM,SAME,0,OFF,OFF,ON,OFF,OFF,NOOVR,1,2C,05,00,00
165AA   27   04 TARGET RA/Dec = 239.34/-22.48 (includes offset = -8 mrad) (d-Sco)
117AA   37   04 CSMOS  2 strips (1 sub-csmos)
349AB   28   23+UVFLSH PACKET,UVS (1)
349AC   28   53+UVFLSH PACKET,UVS (2)
165AZ   27   64 TARGET RA/Dec = 278.8/38.7 (includes offset = -8 mrad) (Vega)
117AZ   37   64 CSMOS  2 strips (1 sub-csmos)
349AD   28   83+UVFLSH PACKET,UVS (3)
349AE   28  113+UVFLSH PACKET,UVS (4)
```

Activity ID:	Orbit 11	OAPEL	JUAURMAP	SeqNo	01-
Title	Auroral asymmetry map			Instrument	UVS
Requestor	UVS-AWG/W. KENT TOBISKA	Team	UVS	Working Group	AWG

Time System	CDS	Load ID	11A	Calendar Date	11/04/97
Week	45				

Start	JEE-CDS 00003720:00:0	97-308/10:00:16.666	JEE-002/14:41:20.000
End	JEE-CDS 00003626:00:0	97-308/11:35:19.333	JEE-002/13:06:17.333
Duration	00000094:00:0	000/01:35:02.667	000/01:35:02.667

Top Label	11JUAURMAP01-				
Bottom Label	realtime				
Plot Key	UVS	Type	SCI		
CDS Bytes	242	Report Options	BOTH	Scan Platform	Yes
CDS Source	OAP	Spin State	DUAL	DMS	No

Observation Objective

Southern nightside auroral map. Observe color ratios for H2 band particle energies.

Realtime observation for 1.5 hours; F/G full scan on nightside. 10 RIMs OFF/FIXED every 30 RIMs for PWS. Distance from Jupiter = 32 Rj.

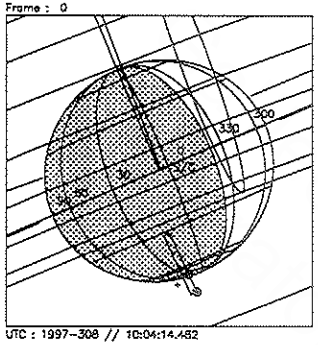
Last cn/ck = TBD.

[NOTE: Waiver #58242 for cone 72.]

Design Detail

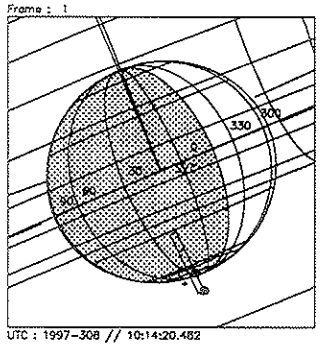
```
PSID   CDS  RIM COMMAND PARAMETERS
384AB   00   00 COMMNT UVS RIM 0
 61AB   28   02+LOOPER DUR = 30 RIMS; REPEAT = 3 (157AB)
349AF   28   03+UVFLSH DISCRD,UVS
157AB   38   03 CMDRS  PLAN_DUR = 21 RIMS; EST_UVS_CMDS = 2
           04       1
34UVS/UVF:07,SCAN,NORM,NORM,NORM,SAME,0,ON,OFF,ON,ON,OFF,NOOVR,1,00,9C,01,2C
           24      21
34UVS/OFF:C1,FIXED,NORM,NORM,NORM,SAME,0,OFF,OFF,ON,OFF,OFF,NOOVR,1,2C,05,00,00
165AB   27   04 TARGET Lat/lon = -60/20 (RA/Dec = TBD)
117AB   37   04 CSMOS  3 strips (1 sub-csmos)
349AG   28   23+UVFLSH PACKET,UVS (1)
349AH   28   53+UVFLSH PACKET,UVS (2)
349AI   28   83+UVFLSH PACKET,UVS (3)
```

Frame : 0



UTC : 1997-308 // 10:04:14.482
SCLK: 1/04202790:00:0:0

Frame : 1



UTC : 1997-308 // 10:14:20.482
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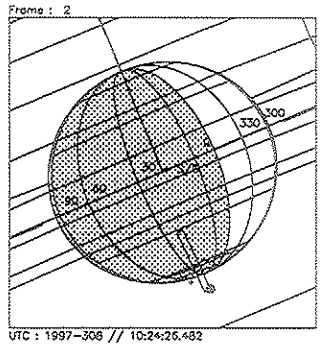
Frame : 2



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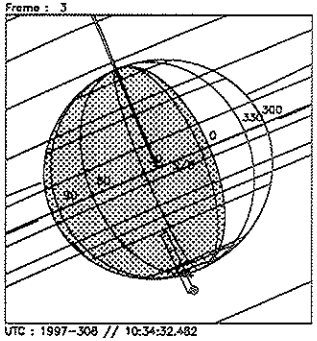
Frame : 3



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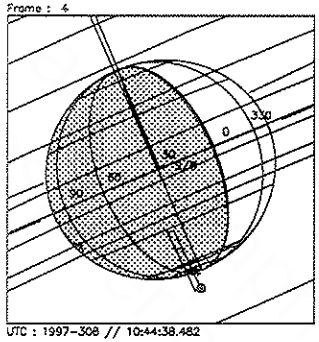
SCLK: 1/04202819:88:0:0

Frame : 4



UTC : 1997-308 // 10:44:38.482
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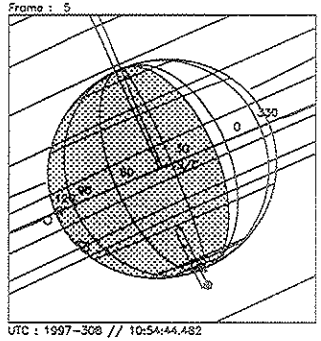
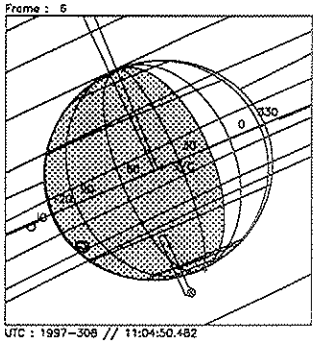
Frame : 5



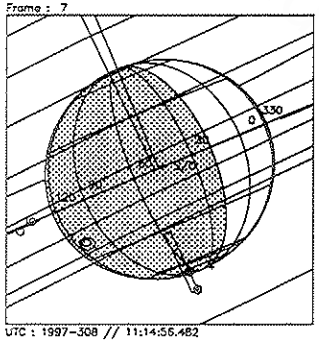
UTC : 1997-308 // 10:54:44.482
SCLK: 1/04202839:86:0:0

Frame : 6



UTC : 1997-308 // 11:04:50.482
SCLK: 1/04202849:85:0:0

Frame : 7



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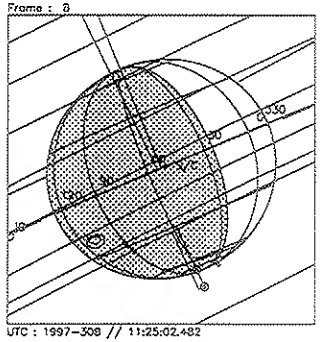
Frame : 8



UTC : 1997-308 // 11:25:02.482
SCLK: 1/04202869:83:0:0

Start UTC_TIME : 1997-308 // 10:04:14.482
End UTC_TIME : 1997-308 // 11:25:07.813
Start SCLK : 1/04202790:00:0:0
Delta Time between FOV : 606.0000
FOVs : F Channel(0.1x0.4), N/G Channel(0.1x1.0)

Target Body : JUPITER
Target Ra/Dec : 203.30/-11.21 Deg
S/C to Body Center : 2284756. Km (31.958205 Rj)
Z-axis Pointing (Ra / Dec) : 137.25 / 19.00 Deg

Activity ID:	Orbit 11	OAPEL JUDRKMAP		**SeqNo**	01-
Title	Darkside Map			**Instrument**	UVS
Requestor	UVS-AWG/W. KENT TOBISKA	**Team**	UVS	**Working Group**	AWG

Time System	CDS	**Load ID**	11A	**Calendar Date**	11/05/97 Week 45
Start	JEE-CDS 00002058:00:0	97-309/14:00:44.666		JEE-001/10:40:52.000	
End	JEE-CDS 00001934:00:0	97-309/16:06:07.333		JEE-001/08:35:29.333	
Duration	00000124:00:0	000/02:05:22.667		000/02:05:22.667	

Top Label	11JUDRKMAP01-				
Bottom Label	realtime				
Plot Key	UVS	**Type**	SCI		
CDS Bytes	270	**Report Options**	BOTH	**Scan Platform**	Yes
CDS Source	OAP	**Spin State**	DUAL	**DMS**	No

Observation Objective

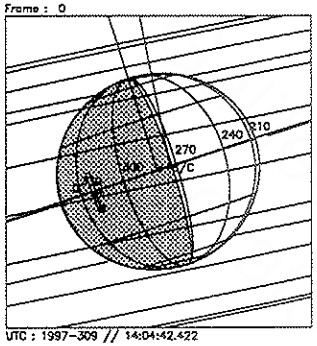
Global mapping of darkside equatorial H Lyman-alpha.

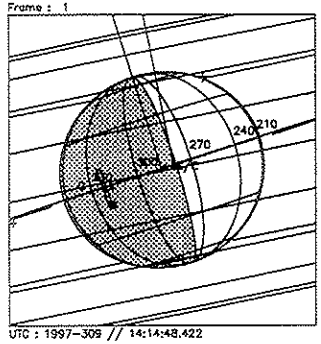
Realtime observation for 2.0 hours; G/G Ly-a 88 step 2 position miniscan. 10 RIMs UVS OFF/FIXED every 30 RIMs for PWS. Distance from Jupiter = 21 Rj. GRS at 106.

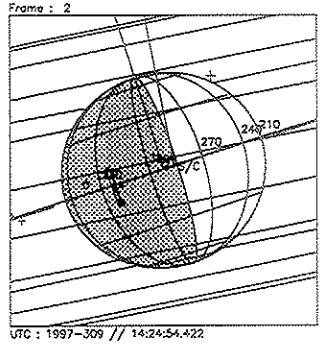
Last cn/ck = TBD.

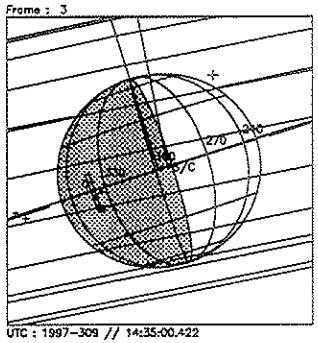
Design Detail

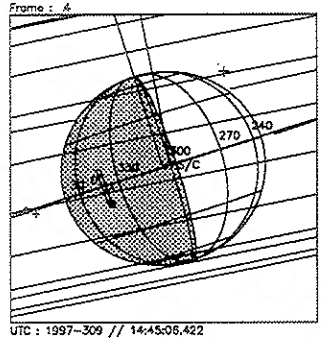
```
PSID   CDS RIM COMMAND PARAMETERS
384AD   00   00 COMMNT UVS RIM 0
 61AI   28   02+LOOPER DUR = 30 RIMS; REPEAT = 4 (157AI)
349AO   28   03+UVFLSH DISCRD,UVS
157AI   38   03 CMDRS  PLAN_DUR = 21 RIMS; EST_UVS_CMDS = 2
            04      1
34UVS/UVG:DF,FIXED,NORM,NORM,NORM,SAME,0,OFF,OFF,ON,ON,OFF,NOOVR,1,2C,7D,00,2C
            24      21
34UVS/OFF:C1,FIXED,NORM,NORM,NORM,SAME,0,OFF,OFF,ON,OFF,OFF,NOOVR,1,2C,05,00,00
165AI   27   04 TARGET Lat/Lon = 0/320 (RA/Dec = TBD)
117AI   37   04 CSMOS  1 subcsmos; 4 repositionS
349AP   28   23+UVFLSH PACKET,UVS (1) (lead GRS 146)
349AQ   28   53+UVFLSH PACKET,UVS (2) (lead GRS 127)
349AR   28   83+UVFLSH PACKET,BOTH (3) (lead GRS 108) (include EUV for CDS byte savings)
349AS   28  113+UVFLSH PACKET,UVS (4) (lead GRS  89)
```

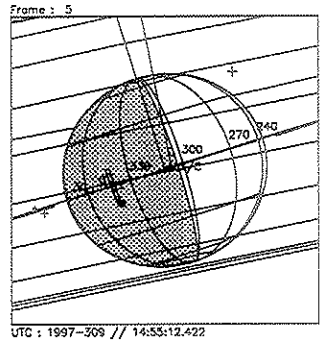


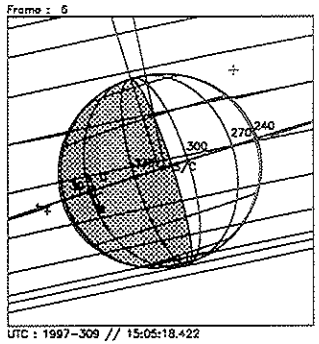


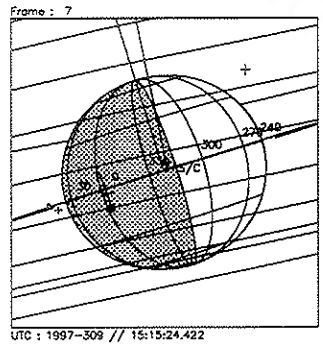


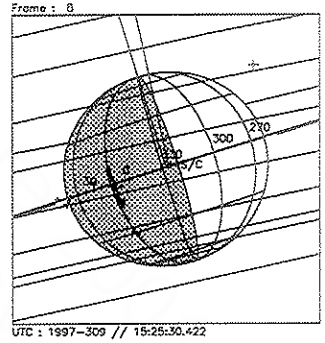












Start UTC_TIME : 1997-309 // 14:04:42.422
End UTC_TIME : 1997-309 // 15:25:35.753
Start SCLK : 1/04204452:00:0:0
Delta Time between FOV : 606.0000
FOVs : F Channel(0.1x0.4), N/G Channel(0.1x1.0)

Target Body : JUPITER
Target Ra/Dec : 222.96/-18.21 Deg
S/C to Body Center : 1512366. Km (21.154343 Rj)
Z-axis Pointing (Ra / Dec) : 137.25 / 19.00 Deg

Activity ID: Orbit 11 OAPEL JUFTKR1E **SeqNo** 11-

Title Feature Track **Instrument** UVS

Requestor UVS-AWG/W. KENT TOBISKA **Team** UVS **Working Group** AWG

Time System CDS **Load ID** 11A **Calendar Date** 11/05/97 **Week** 45

Start	JEE-CDS 00001918:00:0	97-309/16:22:18.000	JEE-001/08:19:18.666
End	JEE-CDS 00001911:00:0	97-309/16:29:22.666	JEE-001/08:12:14.000
Duration	00000007:00:0	000/00:07:04.666	000/00:07:04.666

Top Label 11JUFTKR1E11-

Bottom Label realtime

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

Observation Objective

AWG brown band/barge (lat/lon = 14/346; feature track (JEE epoch), rotation 1, solar phase angle 96 deg, emission angle 1, following 3 color SSI (11JSFEATRK01) 1X3.

Realtime observation; full F/F scan for the observation followed by G/G 176 step miniscan for hydrocarbons covering 1496-1755 A. Distance from Jupiter = 20.3 Rj.

Last cn/ck = 93.8/95.8.

Design Detail

```
PSID   CDS RIM COMMAND PARAMETERS
384AE   00   00 COMMNT UVS RIM 0
349AT   28  -01+UVFLSH DISCRD,UVS
157AJ   52   00 CMDRS   PLAN_DUR = 37 RIMS; EST_UVS_CMDS = 3
             01      1
34UVS/UVF:07,SCAN,NORM,NORM,NORM,SAME,0,ON,OFF,OFF,ON,OFF,NOOVR,1,00,9C,00,00
             07      7
34UVS/UVG:E3,FIXED,NORM,NORM,NORM,SAME,0,OFF,OFF,ON,ON,OFF,NOOVR,1,1A,8E,00,00
             37      37
34UVS/OFF:C1,FIXED,NORM,NORM,NORM,SAME,0,OFF,OFF,ON,OFF,OFF,NOOVR,1,2C,05,00,00
165AJ   27   01 TARGET Lat/Lon = 4.7/346.1 (RA/Dec = TBD)
117AJ   37   01 CSMOS   3 slews; x_cone_del_s=7.3
349AU   28   01+UVFLSH PACKET,UVS (1) ( 4.7/346.1)
349AV   28   03+UVFLSH PACKET,UVS (2) (14.0/346.1)
349AW   28   05+UVFLSH PACKET,UVS (3) (23.7/345.8)
```

Activity ID:	Orbit 11	OAPEL JUFTKR1E	SeqNo 12-
Title	Feature Track		**Instrument** UVS
Requestor	UVS-AWG/W. KENT TOBISKA	**Team** UVS	**Working Group** AWG

Time System	CDS	**Load ID**	11A	**Calendar Date** 11/05/97	Week 45

Start	JEE-CDS 00001911:00:0	97-309/16:29:22.666	JEE-001/08:12:14.000
End	JEE-CDS 00001881:00:0	97-309/16:59:42.666	JEE-001/07:41:54.000
Duration	00000030:00:0	000/00:30:20.000	000/00:30:20.000

Top Label	11JUFTKR1E12-				
Bottom Label	realtime				
Plot Key	UVS	**Type**	SCI		
CDS Bytes	110	**Report Options**	BOTH	**Scan Platform**	Yes
CDS Source	OAP	**Spin State**	DUAL	**DMS**	No

Observation Objective

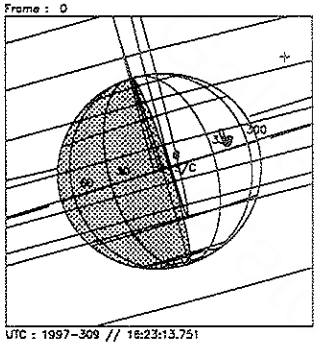
AWG brown band/barge (lat/lon = 14/346; feature track (JEE epoch), rotation 1, solar phase angle 96 deg, emission angle 1, following 3 color SSI (11JSFEATRK01) 1X3.

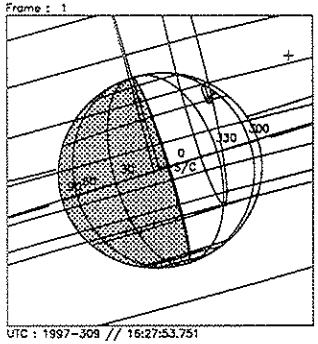
Realtime observation; G/G 176 step miniscan for hydrocarbons covering 1496-1755 A. Distance from Jupiter = 20.3 Rj.

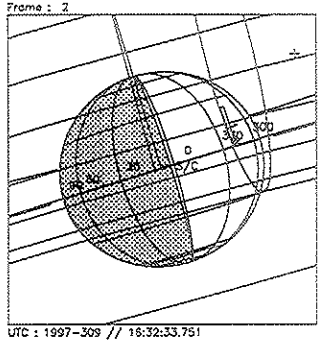
Last cn/ck = 93.8/95.8.

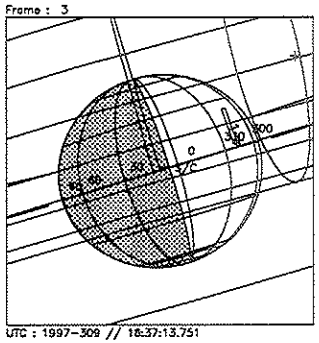
Design Detail

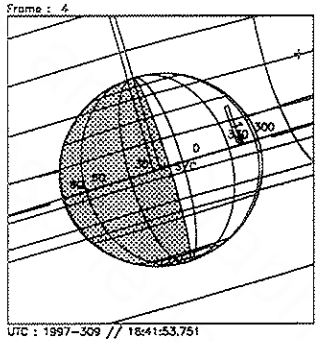
```
PSID   CDS  RIM  COMMAND PARAMETERS
384AF   00   00  COMMNT UVS RIM 0
165AK   27   00  TARGET Lat/Lon = 14.2/346.1 (RA/Dec = TBD) ON longitude
349AX   28   14+UVFLSH PACKET,UVS (4)
165AC   27   15  TARGET Lat/Lon = 14.2/330.0 (RA/Dec = TBD) OFF longitude
349AY   28   29+UVFLSH PACKET,UVS (5)
```

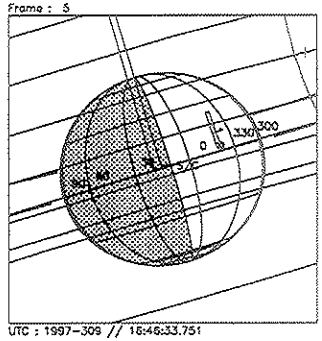


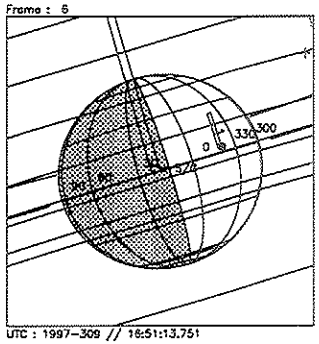


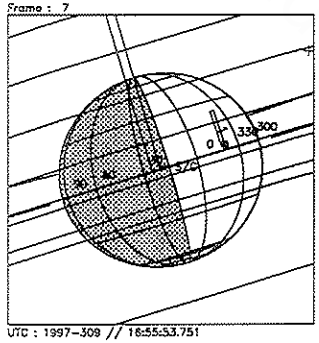


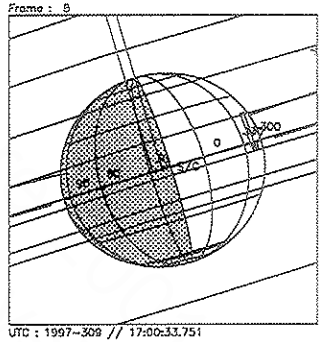












Start UTC_TIME : 1997-309 // 16:23:13.751
End UTC_TIME : 1997-309 // 17:00:38.416
Start SCLK : 1/04204589:00:0:0
Delta Time between FOV : 280.0000
FOVs : F Channel(0.1x0.4), N/G Channel(0.1x1.0)

Target Body : JUPITER
Target Ra/Dec : 225.66/-18.99 Deg
S/C to Body Center : 1442845. Km (20.181903 Rj)
Z-axis Pointing (Ra / Dec) : 137.25 / 19.00 Deg

Activity ID:	Orbit 11	OAPEL JUFTKR1E		**SeqNo**	21-
Title	Feature Track			**Instrument**	UVS
Requestor	UVS-AWG/W. KENT TOBISKA	**Team**	UVS	**Working Group**	AWG

Time System	CDS	**Load ID**	11A	**Calendar Date**	11/05/97 **Week** 45
Start	JEE-CDS 00001876:00:0	97-309/17:04:46.000		JEE-001/07:36:50.666	
End	JEE-CDS 00001869:00:0	97-309/17:11:50.666		JEE-001/07:29:46.000	
Duration	00000007:00:0	000/00:07:04.666		000/00:07:04.666	

Top Label	11JUFTKR1E21-				
Bottom Label	realtime				
Plot Key	UVS	**Type**	SCI		
CDS Bytes	200	**Report Options**	BOTH	**Scan Platform**	No
CDS Source	OAP	**Spin State**	DUAL	**DMS**	No

Observation Objective

AWG brown band/barge (lat/lon = 14/346; feature track (JEE epoch), rotation 1, solar phase angle 96 deg, emission angle 2, following 3 color SSI (11JSFEATRK02) 1X3.

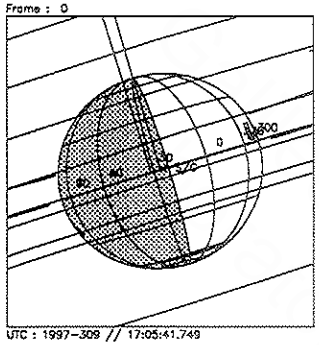
Realtime observation; full F/F scan for the observation followed by G/G 176 step miniscan for hydrocarbons covering 1496-1755 A. Distance from Jupiter = 20.0 Rj.

Last cn/ck = 93.6/95.8.

Design Detail

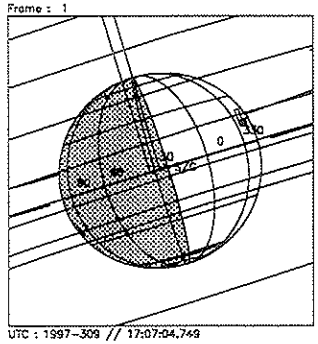
```
PSID   CDS RIM COMMAND PARAMETERS
384AH   00   00 COMMNT UVS RIM 0
157AL   52   00 CMDRS   PLAN_DUR = 12 RIMS; EST_UVS_CMDS = 3
             01      1
34UVS/UVF:07,SCAN,NORM,NORM,NORM,SAME,0,ON,OFF,OFF,ON,OFF,NOOVR,1,00,9C,00,00
             07      7
34UVS/UVG:E3,FIXED,NORM,NORM,NORM,SAME,0,OFF,OFF,ON,ON,OFF,NOOVR,1,1A,8E,00,00
             12      12
34UVS/OFF:C1,FIXED,NORM,NORM,NORM,SAME,0,OFF,OFF,ON,OFF,OFF,NOOVR,1,2C,05,00,00
165AL   27   01 TARGET Lat/Lon = 4.7/346.9 (RA/Dec = TBD) (1 RIM POS_SLEW_ALLOC)
117AL   37   01 CSMOS   3 slews; x_cone_del_s=7.3
349KB   28   01+UVFLSH PACKET,UVS (1) ( 4.7/346.9)
349KC   28   03+UVFLSH PACKET,UVS (2) (13.9/347.7)
349KD   28   05+UVFLSH PACKET,UVS (3) (23.4/347.1)

        [NOTE: deleted 349KA  28 -01+UVFLSH DISCRD,UVS for CDS byte savings.]
```

Frame : 0



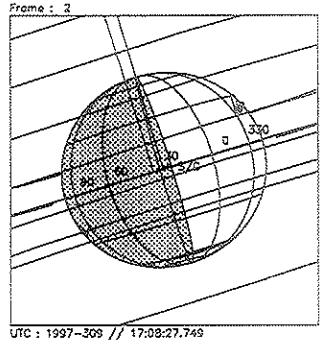
UTC : 1997-309 // 17:05:41.749
SCLK: 1/04204631:00:0:0

Frame : 1



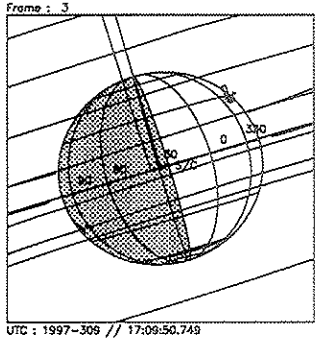
UTC : 1997-309 // 17:07:04.749
SCLK: 1/04204632:33:5:0

Frame : 2



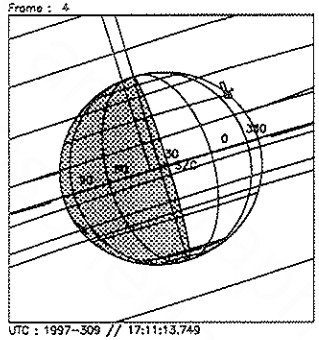
UTC : 1997-309 // 17:08:27.749
SCLK: 1/04204633:67:0:0

Frame : 3



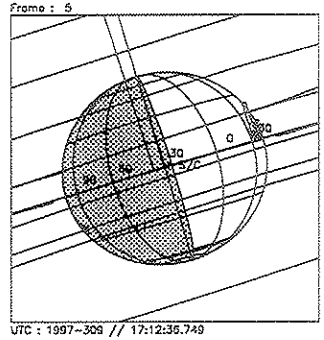
UTC : 1997-309 // 17:09:50.749
SCLK: 1/04204635:09:5:0

Frame : 4



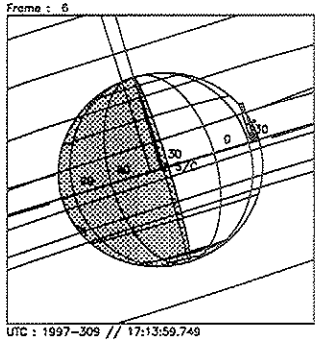
UTC : 1997-309 // 17:11:13.749
SCLK: 1/04204636:43:0:0

Frame : 5



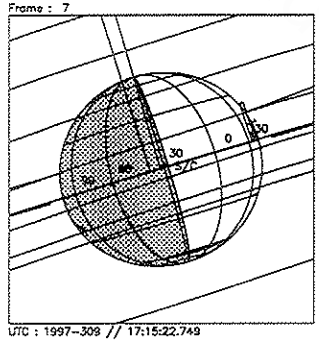
UTC : 1997-309 // 17:12:36.749
SCLK: 1/04204637:76:5:0

Frame : 6



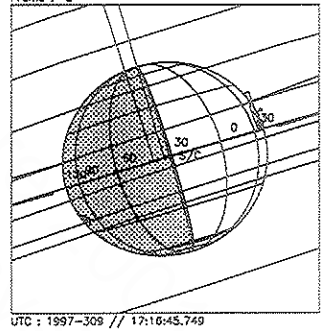
UTC : 1997-309 // 17:13:59.749
SCLK: 1/04204639:19:0:0

Frame : 7



UTC : 1997-309 // 17:15:22.749
SCLK: 1/04204640:52:5:0

Frame : 8



UTC : 1997-309 // 17:16:45.749
SCLK: 1/04204641:86:0:0

Start UTC_TIME : 1997-309 // 17:05:41.749
End UTC_TIME : 1997-309 // 17:16:49.082
Start SCLK : 1/04204631:00:0:0
Delta Time between FOV : 83.00000
FOVs : F Channel(0.1x0.4), N/G Channel(0.1x1.0)

Target Body : JUPITER
Target Ra/Dec : 226.54/-19.24 Deg
S/C to Body Center : 1421376. Km (19.881609 Rj)
Z-axis Pointing (Ra / Dec) : 137.25 / 19.00 Deg

Activity ID: Orbit 11 OAPEL JUFTKR1E SeqNo 31-

Title Feature Track **Instrument** UVS

Requestor UVS-AWG/W. KENT TOBISKA **Team** UVS **Working Group** AWG

Time System CDS **Load ID** 11A **Calendar Date** 11/05/97 **Week** 45

Start	JEE-CDS 00001834:00:0	97-309/17:47:14.000	JEE-001/06:54:22.666
End	JEE-CDS 00001827:00:0	97-309/17:54:18.666	JEE-001/06:47:18.000
Duration	00000007:00:0	000/00:07:04.666	000/00:07:04.666

Top Label 11JUFTKR1E31-

Bottom Label realtime

Plot Key	UVS	**Type**	SCI		
CDS Bytes	199	**Report Options**	BOTH	**Scan Platform**	No
CDS Source	OAP	**Spin State**	DUAL	**DMS**	No

Observation Objective

AWG brown band/barge (lat/lon = 14/346; feature track (JEE epoch), rotation 1, solar phase angle 96 deg, emission angle 3, following 3 color SSI (11JSFEATRK03) 1X3.

Realtime observation; full F/F scan for the observation followed by G/G 176 step miniscan for hydrocarbons covering 1496-1755 A. Distance from Jupiter = 19.8 Rj.

Last cn/ck = 93.8/95.8.

Design Detail

```
PSID   CDS RIM COMMAND PARAMETERS
384AJ   00   00 COMMNT UVS RIM 0
157AN   38   00 CMDRS  PLAN_DUR = 7 RIMS; EST_UVS_CMDS = 2
             01     1
34UVS/UVF:07,SCAN,NORM,NORM,NORM,SAME,0,ON,OFF,OFF,ON,OFF,NOOVR,1,00,9C,00,00
             07     7
34UVS/OFF:C1,FIXED,NORM,NORM,NORM,SAME,0,OFF,OFF,ON,OFF,OFF,NOOVR,1,2C,05,00,00
165AN   27   01 TARGET Lat/Lon = 5.4/348.7 (RA/Dec = TBD) 1 RIM POS_SLEW_ALLOC
117AN   50   01 CSMOS  3 slews; 2 subcsmos
349KG   28   01+UVFLSH PACKET,UVS (1) ( 5.4/348.7)
349KH   28   03+UVFLSH PACKET,UVS (2) (14.7/348.7)
349KI   28   05+UVFLSH PACKET,UVS (3) (24.3/345.4)

       [NOTE: deleted 349KF  28 -01+UVFLSH DISCRD,UVS for CDS byte savings.]
```

Activity ID:	Orbit 11 OAPEL JUFTKR1E	**SeqNo**	32-
Title	Feature Track	**Instrument**	UVS
Requestor	UVS-AWG/W. KENT TOBISKA	**Team** UVS	**Working Group** AWG

Time System	CDS	**Load ID**	11A	**Calendar Date** 11/05/97	**Week** 45
Start	JEE-CDS 00001821:00:0	97-309/18:00:22.666		JEE-001/06:41:14.000	
End	JEE-CDS 00001795:00:0	97-309/18:26:40.000		JEE-001/06:14:56.666	
Duration	00000026:00:0	000/00:26:17.334		000/00:26:17.334	

Top Label	11JUFTKR1E32-				
Bottom Label	realtime				
Plot Key	UVS	**Type**	SCI		
CDS Bytes	121	**Report Options**	BOTH	**Scan Platform**	Yes
CDS Source	OAP	**Spin State**	DUAL	**DMS**	No

Observation Objective

AWG brown band/barge (lat/lon = 14/346; feature track (JEE epoch), rotation 1, solar phase angle 96 deg, emission angle 3, following 3 color SSI (11JSFEATRK03) 1X3.

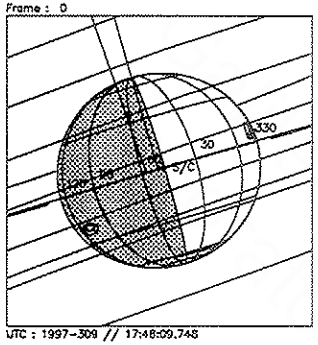
Realtime observation; G/G 176 step miniscan for hydrocarbons covering 1496-1755 A. Distance from Jupiter = 19.6 Rj.

Last cn/ck = 93.8/95.8.

Design Detail

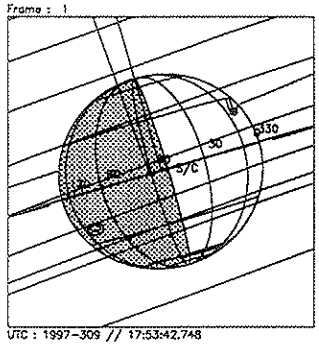
```
PSID   CDS  RIM COMMAND PARAMETERS
384AK   00   00 COMMNT UVS RIM 0
157AO   38   00 CMDRS   PLAN_DUR = 26 RIMS; EST_UVS_CMDS = 2
             01      1
34UVS/UVG:E3,FIXED,NORM,NORM,NORM,SAME,0,OFF,OFF,ON,ON,OFF,NOOVR,1,1A,8E,00,00
             26      26
34UVS/OFF:C1,FIXED,NORM,NORM,NORM,SAME,0,OFF,OFF,ON,OFF,OFF,NOOVR,1,2C,05,00,00
165AO   27   01 TARGET Lat/Lon = 14.7/8 (RA/Dec = TBD)
349KJ   28   12+UVFLSH PACKET,UVS (4)
349KK   28   32+UVFLSH PACKET,BOTH (5) (include EUV for CDS byte savings)
```

Frame : 0



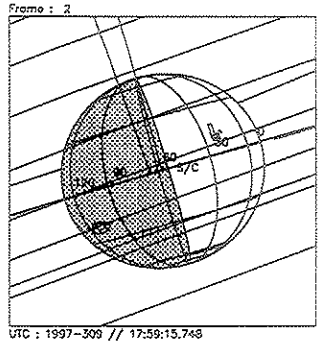
UTC : 1997-309 // 17:48:09.748
SCLK: 1/04204673:00:0:0

Frame : 1



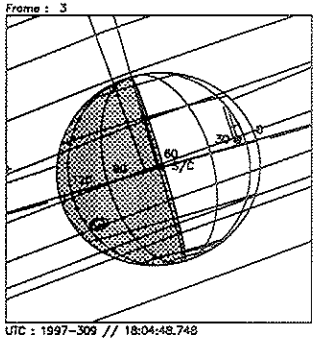
UTC : 1997-309 // 17:53:42.748
SCLK: 1/04204678:44:5:0

Frame : 2



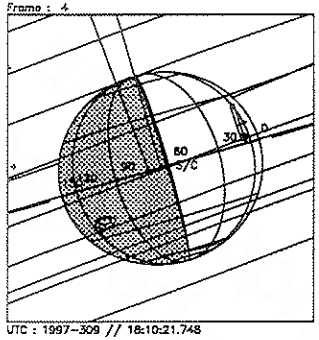
UTC : 1997-309 // 17:59:15.748
SCLK: 1/04204683:89:0:0

Frame : 3



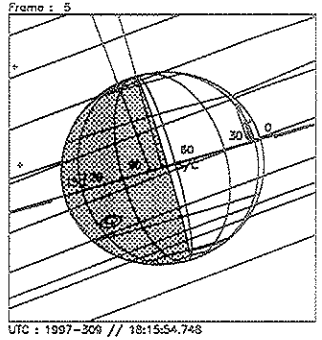
UTC : 1997-309 // 18:04:48.748
SCLK: 1/04204689:42:5:0

Frame : 4



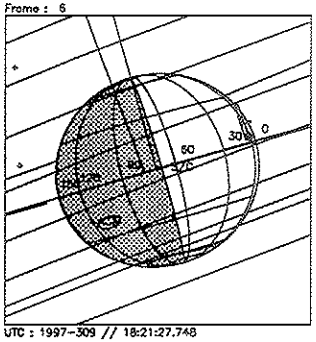
UTC : 1997-309 // 18:10:21.748
SCLK: 1/04204694:87:0:0

Frame : 5



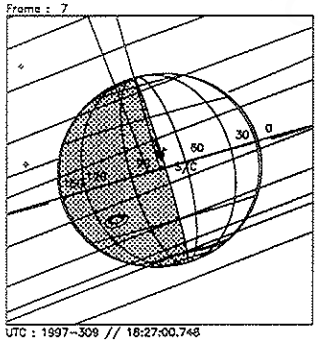
UTC : 1997-309 // 18:15:54.748
SCLK: 1/04204700:40:5:0

Frame : 6



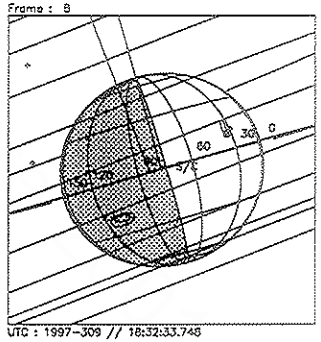
UTC : 1997-309 // 18:21:27.748
SCLK: 1/04204705:85:0:0

Frame : 7



UTC : 1997-309 // 18:27:00.748
SCLK: 1/04204711:38:5:0

Frame : 8



UTC : 1997-309 // 18:32:33.748
SCLK: 1/04204716:83:0:0

Start UTC_TIME : 1997-309 // 17:48:09.748
End UTC_TIME : 1997-309 // 18:32:39.079
Start SCLK : 1/04204673:00:0:0
Delta Time between FOV : 333.0000
FOVs : F Channel(0.1x0.4), N/G Channel(0.1x1.0)

Target Body : JUPITER
Target Ra/Dec : 227.46/-19.49 Deg
S/C to Body Center : 1399839. Km (19.580361 Rj)
Z-axis Pointing (Ra / Dec) : 137.25 / 19.00 Deg

Activity ID:	Orbit 11	OAPEL JUDRKMAP		**SeqNo**	02-
Title	Darkside Map			**Instrument**	UVS
Requestor	UVS-AWG/W. KENT TOBISKA	**Team**	UVS	**Working Group**	AWG

Time System	CDS	**Load ID**	11A	**Calendar Date**	11/05/97
				Week	45
Start	JEE-CDS 00001764:00:0	97-309/18:58:00.666		JEE-001/05:43:36.000	
End	JEE-CDS 00001582:00:0	97-309/22:02:02.000		JEE-001/02:39:34.666	
Duration	00000182:00:0	000/03:04:01.334		000/03:04:01.334	

Top Label	11JUDRKMAP02-				
Bottom Label	realtime				
Plot Key	UVS	**Type**	SCI		
CDS Bytes	435	**Report Options**	BOTH	**Scan Platform**	Yes
CDS Source	OAP	**Spin State**	DUAL	**DMS**	No

Observation Objective

Global mapping of darkside equatorial H Lyman-alpha.

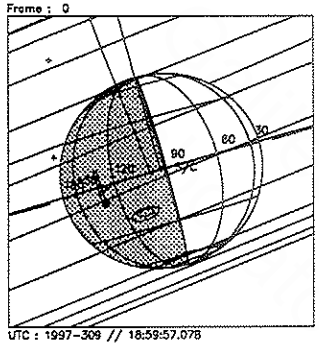
Realtime observation for 3.0 hours; G/G Ly-a 88 step 2 position miniscan. 10 RIMs UVS OFF/FIXED every 30 RIMs for PWS. SSI and NIMS observations are interspersed in 10 RIM gaps. Distance from Jupiter = 19.0 Rj. GRS at 106.

Last cn/ck = TBD.

Design Detail

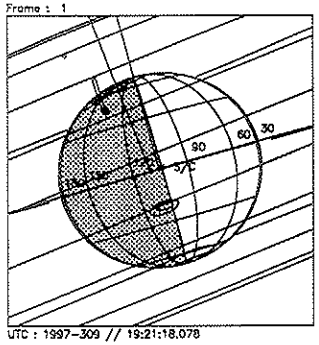
```
PSID   CDS RIM COMMAND PARAMETERS
384AL   00   00 COMMNT UVS RIM 0
349KM   28   01+UVFLSH DISCRD,UVS
157AP   66   01 CMDRS   PLAN_DUR = 51 RIMS; EST_UVS_CMDS = 4
           02      01
34UVS/UVG:DF,FIXED,NORM,NORM,NORM,SAME,0,OFF,OFF,ON,ON,OFF,NOOVR,1,2C,7D,00,2C
           22      21
34UVS/OFF:C1,FIXED,NORM,NORM,NORM,SAME,0,OFF,OFF,ON,OFF,OFF,NOOVR,1,2C,05,00,00
           32      31
34UVS/UVG:DF,FIXED,NORM,NORM,NORM,SAME,0,OFF,OFF,ON,ON,OFF,NOOVR,1,2C,7D,00,2C
           52      51
34UVS/OFF:C1,FIXED,NORM,NORM,NORM,SAME,0,OFF,OFF,ON,OFF,OFF,NOOVR,1,2C,05,00,00
165AP   27   02 TARGET Lat/Lon = 0/130 (RA/Dec = TBD)
349KN   28   21+UVFLSH PACKET,UVS (1) (lag GRS 24)
165AQ   27   32 TARGET Lat/Lon = 0/148 (RA/Dec = TBD)
349KO   28   51+UVFLSH PACKET,UVS (2) (lag GRS 42)
 61AR   28   88+LOOPER DUR = 30 RIMS; REPEAT = 3 (157AR)
157AR   38   90 CMDRS   PLAN_DUR = 21 RIMS; EST_UVS_CMDS = 2
           91      01
34UVS/UVG:DF,FIXED,NORM,NORM,NORM,SAME,0,OFF,OFF,ON,ON,OFF,NOOVR,1,2C,7D,00,2C
          111      21
```

Frame : 0



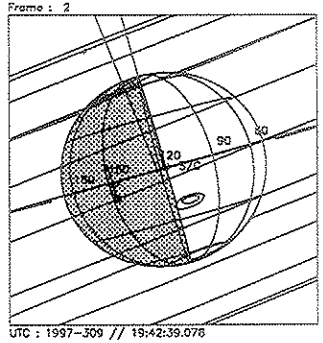
UTC : 1997-309 // 18:59:57.078
SCLK: 1/04204744:00:0:0

Frame : 1



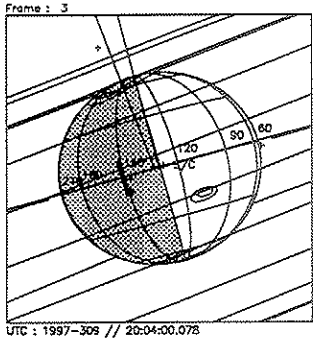
UTC : 1997-309 // 19:21:18.078
SCLK: 1/04204765:10:5:0

Frame : 2



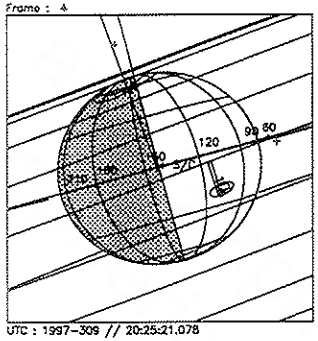
UTC : 1997-309 // 19:42:39.078
SCLK: 1/04204786:21:0:0

Frame : 3



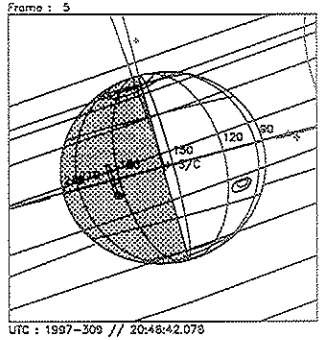
UTC : 1997-309 // 20:04:00.078
SCLK: 1/04204807:31:5:0

Frame : 4



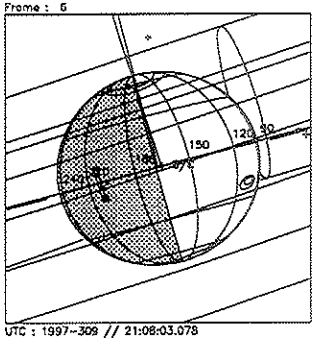
UTC : 1997-309 // 20:25:21.078
SCLK: 1/04204828:42:0:0

Frame : 5



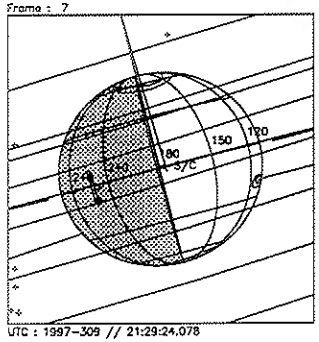
UTC : 1997-309 // 20:46:42.078
SCLK: 1/04204849:52:5:0

Frame : 6



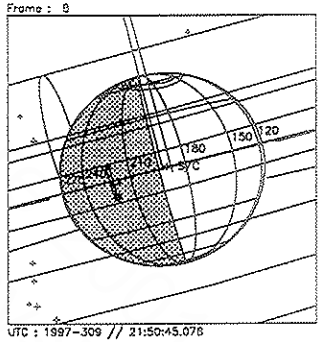
UTC : 1997-309 // 21:08:03.078
SCLK: 1/04204870:63:0:1

Frame : 7



UTC : 1997-309 // 21:29:24.078
SCLK: 1/04204891:73:5:1

Frame : 8



UTC : 1997-309 // 21:50:45.078
SCLK: 1/04204912:84:0:1

Start UTC_TIME : 1997-309 // 18:59:57.078
End UTC_TIME : 1997-309 // 21:50:49.739
Start SCLK : 1/04204744:00:0:0
Delta Time between FOV : 1281.000
FOVs : F Channel(0.1x0.4), N/G Channel(0.1x1.0)

Target Body : JUPITER
Target Ra/Dec : 229.07/-19.92 Deg
S/C to Body Center : 1363286. Km (19.069071 Rj)
Z-axis Pointing (Ra / Dec) : 137.25 / 19.00 Deg

Activity ID:	Orbit 11	OAPEL JUEWMAPS		**SeqNo**	01-
Title	East-West Map			**Instrument**	UVS
Requestor	UVS-AWG/W. KENT TOBISKA	**Team**	UVS	**Working Group**	AWG

Time System	CDS	**Load ID**	11A	**Calendar Date**	11/08/97 Week 45
Start	JEE+CDS 00001617:00:0	97-312/03:56:34.666		JEE+001/03:14:58.000	
End	JEE+CDS 00001649:00:0	97-312/04:28:55.999		JEE+001/03:47:19.333	
Duration	00000032:00:0	000/00:32:21.333		000/00:32:21.333	

Top Label	11JUEWMAPS01-				
Bottom Label	recorded				
Plot Key	UVS	**Type**	SCI		
CDS Bytes	120	**Report Options**	BOTH	**Scan Platform**	Yes
CDS Source	OAP	**Spin State**	DUAL	**DMS**	Yes

Observation Objective

Darkside/dayside mapping for limb-darkening of H Lyman-alpha and H2. Observe H corona off dark and bright limbs to 1+ Rj.

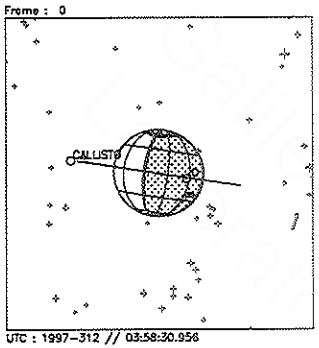
Recorded observation for 0.5 hours; G/G Ly-a 88 step 2 position miniscan. Approximately 50% overlap between UVS FOV footprints. Distance from Jupiter = 18.0 Rj. 1.834560 raw MBTG using 427 tics.

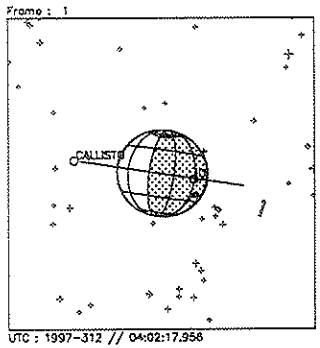
Last cn/ck = TBD.

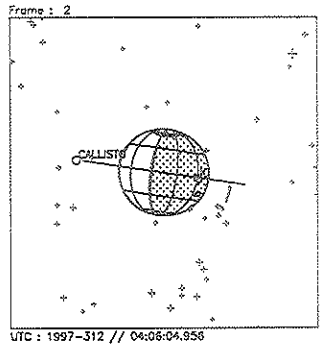
[NOTE: Waiver #58242 for cone 87; siturn RA/Dec = 174.5/14.0.]

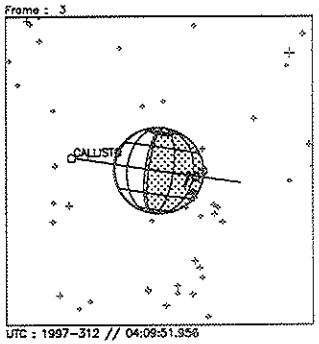
Design Detail

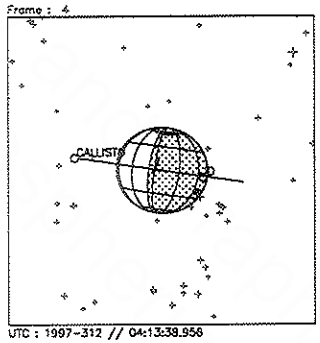
```
PSID   CDS RIM COMMAND PARAMETERS
384AN   00   00 COMMNT UVS RIM 0
157AU   38   01 CMDRS   PLAN_DUR = 31 RIMS; EST_UVS_CMDS = 2
             02       1
34UVS/UVG:DF,FIXED,NORM,NORM,NORM,SAME,0,OFF,OFF,ON,ON,OFF,NOOVR,1,2C,7D,00,2C
             32       31
34UVS/OFF:C1,FIXED,NORM,NORM,NORM,SAME,0,OFF,OFF,ON,OFF,OFF,NOOVR,1,2C,05,00,00
175AU   18   02 SCIREC MODE_RATE = R7, DUR = 30 RIMS, REC_FMT = LPU
305AU   00   02 SELECT INSTR=UVS2, COMPR=RICE, CMPR_DVSR=2.0, CMPR_UNC=0.0
165AU   27   02 TARGET sub s/c pt, cone_off=175.0 (RA/Dec = TBD)
117AU   37   02 CSMOS  1 subcsmos: equatorial regions (dark to light) and off limbs
300AU   00   32 DESELC INSTR = UVS2
```

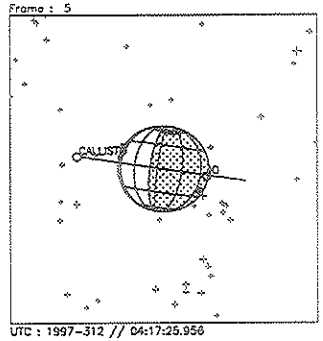


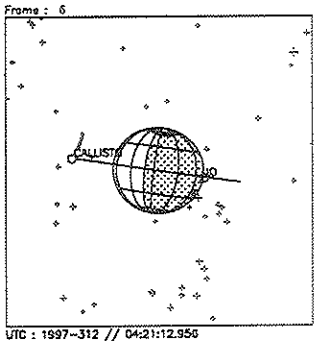


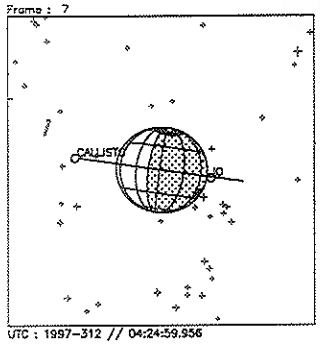


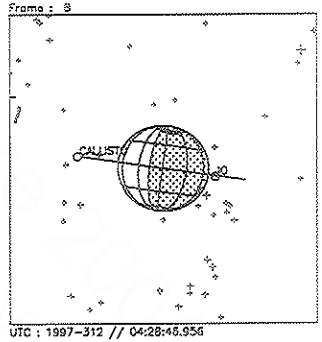












Start UTC_TIME : 1997-312 // 03:58:30.956
End UTC_TIME : 1997-312 // 04:28:50.955
Start SCLK : 1/04208125:00:0:0
Delta Time between FOV : 227.0000
FOVs : F Channel(0.1x0.4), N/G Channel(0.1x1.0)

Target Body : JUPITER
Target Ra/Dec : 68.01/ 24.02 Deg
S/C to Body Center : 1282757. Km (17.942661 Rj)
Z-axis Pointing (Ra / Dec) : 137.25 / 19.00 Deg

Activity ID: Orbit 11 OAPEL JUAURVAR **SeqNo** 01-

Title Auroral variability map **Instrument** UVS

Requestor UVS-AWG/W. KENT TOBISKA **Team** UVS **Working Group** AWG

Time System CDS **Load ID** 11A **Calendar Date** 11/08/97 **Week** 45

Start	JEE+CDS 00001676:00:0	97-312/04:56:13.999	JEE+001/04:14:37.333
End	JEE+CDS 00001787:00:0	97-312/06:48:27.999	JEE+001/06:06:51.333
Duration	00000111:00:0	000/01:52:14.000	000/01:52:14.000

Top Label 11JUAURVAR01-

Bottom Label recorded

Plot Key	UVS	**Type**	SCI		
CDS Bytes	110	**Report Options**	BOTH	**Scan Platform**	Yes
CDS Source	OAP	**Spin State**	DUAL	**DMS**	Yes

Observation Objective

Northern aurora structure using H Lyman-alpha. Also observe Io and Europa fluxtube footprints. SSI has 4 time intervals with a 1x2 clear filter at each time step (same as inbound).

Recorded observation for 10 RIMs; G/G 88 step 2 position Lyman-a miniscan. Distance from Jupiter = 18.5 Rj. 0.611520 raw MBTG and tics= 228 (-85 to SSI) = 142.

Last cn/ck = 97/275.

[NOTE 1: at observation end
Io sublon = 193.29; IFT = 50.1/179.3-164.3
Europa sublon = 192.52; EFT = 53.8/178.1
from J. Connerney's table]
[NOTE 2: NIMS ridealong with record; PBK 2 recorded segments plus data recorded during SSI frames. Siturn RA/Dec = 174.5/14.0.]

Design Detail

```
PSID   CDS RIM COMMAND PARAMETERS
384AO   00   00 COMMNT UVS RIM 0
157AV   38   01 CMDRS   PLAN_DUR = 110 RIMS; EST_UVS_CMDS = 2
             02      1
34UVS/UVG:DF,FIXED,NORM,NORM,NORM,SAME,0,OFF,OFF,ON,ON,OFF,NOOVR,1,2C,7D,00,2C
            111     110
34UVS/OFF:C1,FIXED,NORM,NORM,NORM,SAME,0,OFF,OFF,ON,OFF,OFF,NOOVR,1,2C,05,00,00
165AV   54   02 TARGET Lat/lon = 54/181 (RA/Dec = TBD) (TMC active)
175AV   18   08 SCIREC MODE_RATE = R7, DUR = 10 RIMS, REC_FMT = LPU
305AV   00   08 SELECT INSTR=UVS2, COMPR=RICE, CMPR_DVSR=2.0, CMPR_UNC=0.0
300AV   00 111 DESELC INSTR = UVS2

       [NOTE: Record starts 6 RIMS into the observation since there were
        tape tics given to SSI for obtaining the auroral images. There is hope
        that realtime data may be recovered during the OP update if the
        CDS byte allocation allows for 2 additional UVFLUSHes.]
```

Activity ID:	Orbit 11	OAPEL JUAURVAR		SeqNo 02-	
Title	Auroral variability map			**Instrument**	UVS
Requestor	UVS-AWG/W. KENT TOBISKA	**Team**	UVS	**Working Group**	AWG

Time System	CDS	**Load ID**	11A	**Calendar Date**	11/08/97 Week 45
Start	JEE+CDS 00001698:00:0	97-312/05:18:28.666		JEE+001/04:36:52.000	
End	JEE+CDS 00001738:00:0	97-312/05:58:55.332		JEE+001/05:17:18.666	
Duration	00000040:00:0	000/00:40:26.666		000/00:40:26.666	

Top Label	11JUAURVAR02-				
Bottom Label	recorded				
Plot Key	UVS	**Type**	SCI		
CDS Bytes	110	**Report Options**	BOTH	**Scan Platform**	Yes
CDS Source	OAP	**Spin State**	DUAL	**DMS**	Yes

Observation Objective

Northern aurora structure using H Lyman-alpha. Also observe Io and Europa fluxtube footprints. SSI has 4 time intervals with a 1x2 clear filter at each time step (same as inbound).

Recorded observation for 40 RIMs; G/G 88 step 2 position Lyman-a miniscan. Distance from Jupiter = 18.6 Rj. 2.446080 raw MBTG and tics= 569.

Last cn/ck = 97/275.

[NOTE 1: at observation end
Io sublon = 214.31; IFT = 53.3/189.9-174.9
Europa sublon = 216.88; EFT = 57.1/189.2
from J. Connerney's table]
[NOTE 2: NIMS ridealong with record; PBK 2 recorded segments plus data recorded during SSI frames. Siturn RA/Dec = 174.5/14.0.]

Design Detail

```
PSID   CDS  RIM COMMAND PARAMETERS
175AX   18   00 SCIREC MODE_RATE = R7, DUR = 40 RIMS, REC_FMT = LPU
165AX   27   00 TARGET subsc pt; cone_off=50.0, xcone_off=-42.0 (RA/Dec = TBD)
117AX   37   00 CSMOS  2 slews: north polar region (dark to light), IFT, EFT
349KS   28   43+UVFLSH DISCRD,UVS
```

Activity ID: Orbit 11 OAPEL JUAURVAR SeqNo 03-

Title Auroral variability map **Instrument** UVS

Requestor UVS-AWG/W. KENT TOBISKA **Team** UVS **Working Group** AWG

Time System CDS **Load ID** 11A **Calendar Date** 11/08/97 **Week** 45

Start	JEE+CDS 00001742:00:0	97-312/06:02:57.999	JEE+001/05:21:21.333
End	JEE+CDS 00001784:00:0	97-312/06:45:25.999	JEE+001/06:03:49.333
Duration	00000042:00:0	000/00:42:28.000	000/00:42:28.000

Top Label 11JUAURVAR03-

Bottom Label recorded

Plot Key	UVS	**Type**	SCI		
CDS Bytes	82	**Report Options**	BOTH	**Scan Platform**	Yes
CDS Source	OAP	**Spin State**	DUAL	**DMS**	Yes

Observation Objective

Northern aurora structure using H Lyman-alpha. Also observe Io and Europa fluxtube footprints. SSI has 4 time intervals with a 1x2 clear filter at each time step (same as inbound).

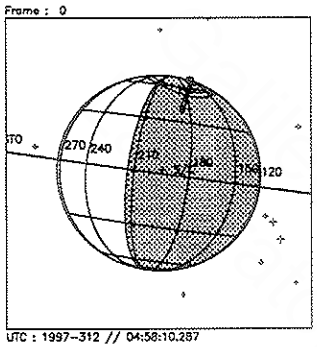
Realtime observation for 40 RIMs; G/G 88 step 2 position Lyman-a miniscan. Distance from Jupiter = 18.8 Rj.

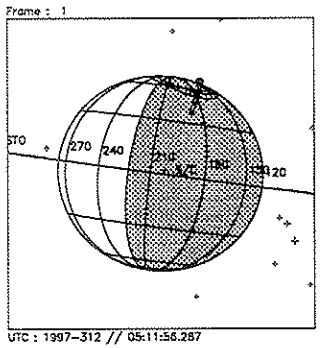
Last cn/ck = 97/275.

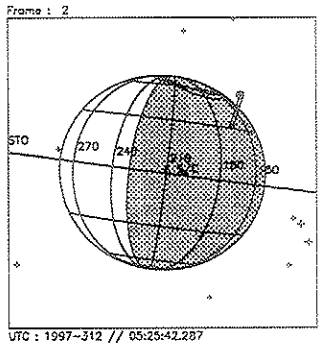
[NOTE 1: at observation end
Io sublon = 235.33; IFT = 58.5/203.6-188.6
Europa sublon = 241.24; EFT = 62.7/204.1
from J. Connerney's table]
[NOTE 2: NIMS ridealong with record; PBK 2 recorded segments plus data recorded during SSI frames. Siturn RA/Dec = 174.5/14.0.]

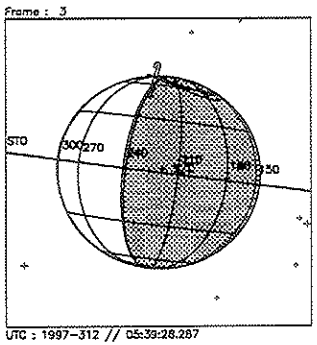
Design Detail

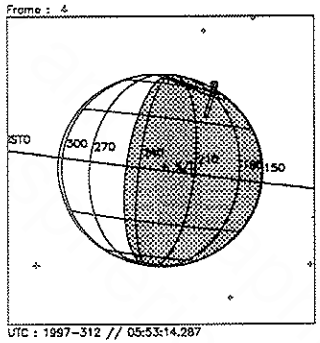
```
PSID   CDS RIM COMMAND PARAMETERS
165AY   54   00 TARGET Lat/lon = 54/181 (RA/Dec = TBD) (TMC active)
349KT   28   41+UVFLSH PACKET,UVS (1)
```

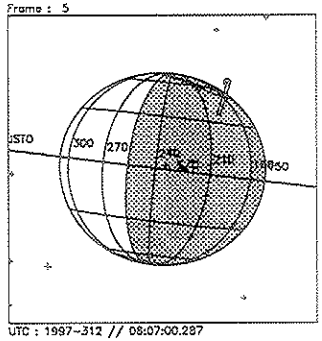


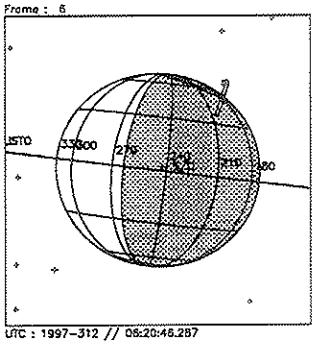


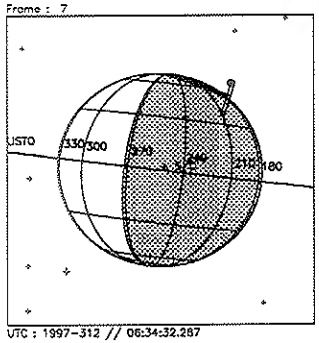


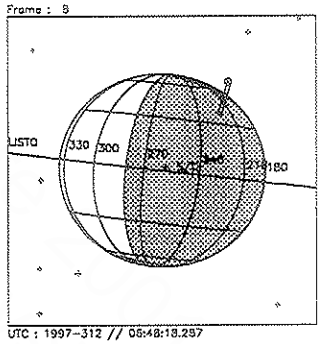












Start UTC_TIME : 1997-312 // 04:58:10.287
End UTC_TIME : 1997-312 // 06:48:22.950
Start SCLK : 1/04208184:00:0:0
Delta Time between FOV : 826.0000
FOVs : F Channel(0.1x0.4), N/G Channel(0.1x1.0)

Target Body : JUPITER
Target Ra/Dec : 69.61/ 24.22 Deg
S/C to Body Center : 1312691. Km (18.361374 Rj)
Z-axis Pointing (Ra / Dec) : 137.25 / 19.00 Deg