

Activity ID: Orbit 10	OAPEL EUEURDRK	SeqNo 01-
Title	UVS EUROPA ECLIPSE 01	Instrument UVS
Requestor	UVS-SWG/W.SWEET 30523	Team UVS
		Working Group SWG

Time System CDS	Load ID 10A	Calendar Date 09/16/97	Week 38
Start	JEE-CDS 00003574:00:0	97-259/10:56:33.267	JEE-002/12:13:42.666
End	JEE-CDS 00003558:00:0	97-259/11:12:43.933	JEE-002/11:57:32.000
Duration	00000016:00:0	000/00:16:10.666	000/00:16:10.666

Top Label	10EUEURDRK01-		
Bottom Label	(real-time)		
Plot Key	UVS	Type	SCI
CDS Bytes	148	Report Options	BOTH
		Scan Platform	Yes
CDS Source	OAP	Spin State	DUAL
		DMS	No

Observation Objective

UVS real-time Europa Eclipse observation. Obtain UVS N-Channel data while Europa is near the eclipse umbra of Jupiter. Data will be used to characterize the lower atmospheric UV airglow emissions of Europa while in eclipse.

10EUEURDRK01- Europa eclipse measurement. Target and stare at Europa using TMC in real-time using the UVS 10 bps RTS rate.

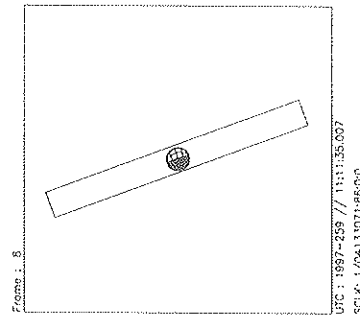
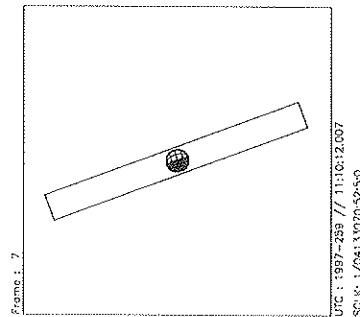
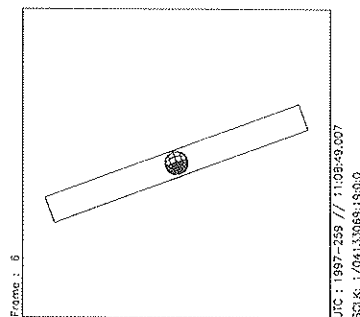
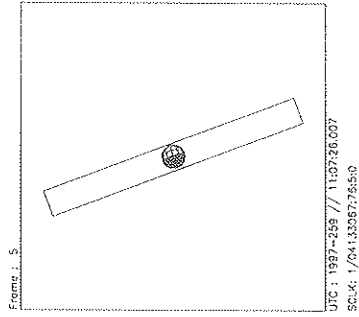
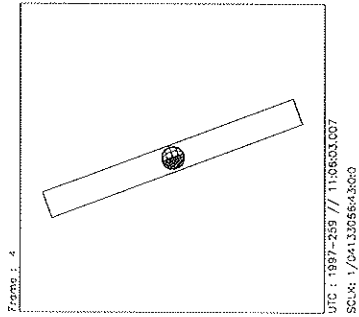
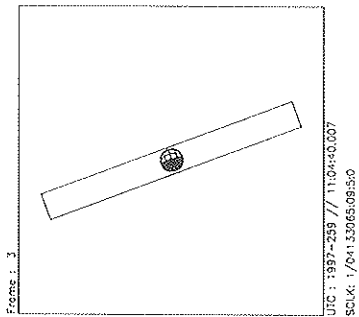
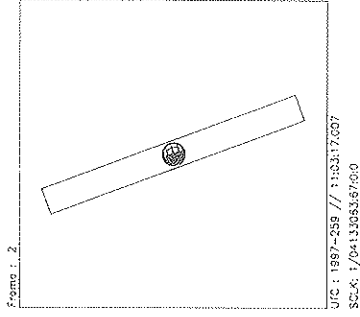
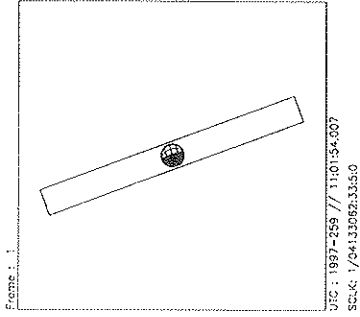
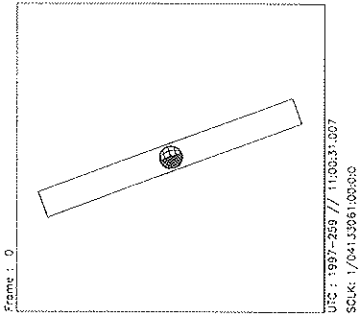
UVS Configuration = N/N 44-step 3064 Å

(17712 bits/flush) * 1 flush = 0.0177 mbtg

MBTG = 0.0177

Design Detail

CDS RIM Command Parameters	Psid
0 000 COMMENT UVS RIM 0	(384CA)
28 003+UVFLUSH DISCRD,UVS	(349CA)
54 004 TARGET with TMC on body	(165CA)
38 003 CMDRS	(157CA)
004 1 34UVS,D9,F,N,N,N,S,0,OFF, ON,OFF, ON,OFF,NOOVR,1,69,65,00,00	
016 13 34UVS,C1,F,N,N,N,S,0,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00	
28 015+UVFLUSH PACKET,UVS	(349CB)



Start UTC_TIME : 1997-259 // 11:00:31.007
 End UTC_TIME : 1997-259 // 11:11:38.340
 Start SCLK : 1/04133061:00:00
 Delta Time between FOV : 83.000000
 FOVs : F Chonnel(0.1x0.4), N/G Channel(0.1x1.0)

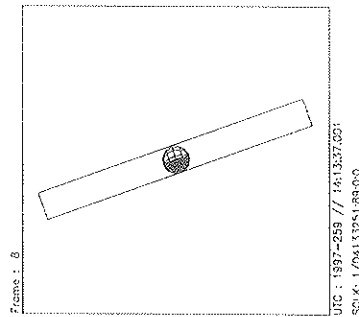
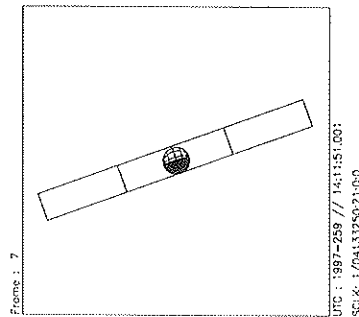
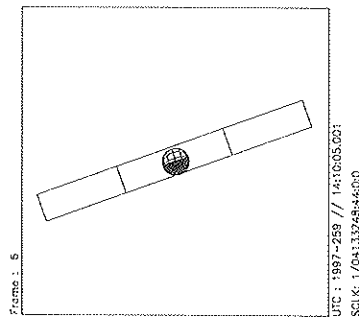
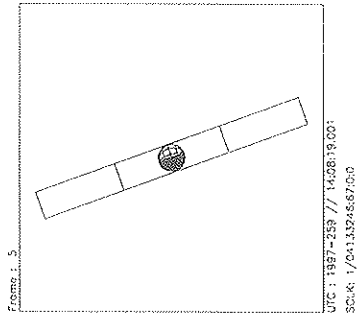
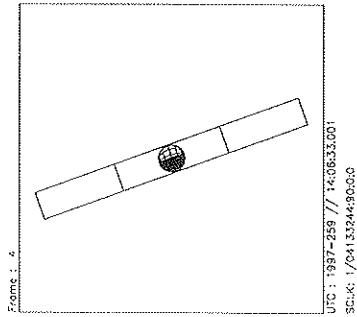
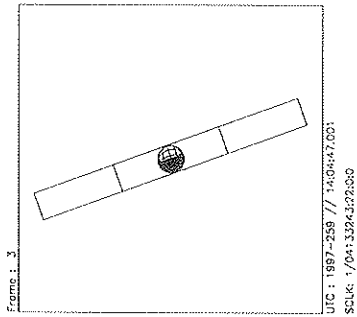
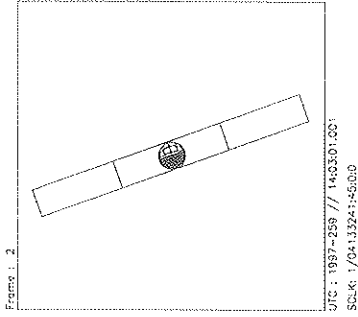
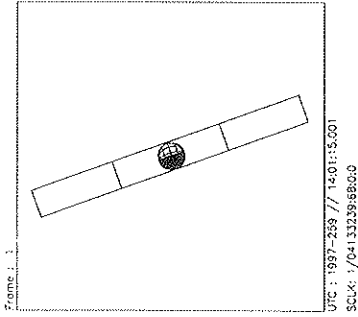
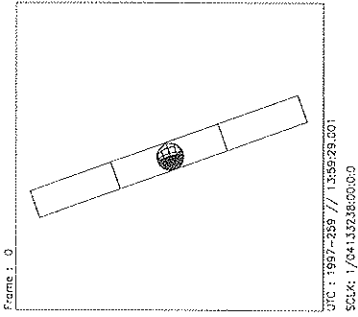
Target Body : EUROPA
 Target Cone/Clock : 90.18 / 95.39 Deg
 S/C to Body Center : 209695. Km (1339.9103 Re)
 Z-axis Pointing (Ra / Dec) : 137.25 / 19.00 Deg

UVS EUROPA PHASE (~93 deg)

ACTIVITY ID: 10EUPHAS9301-

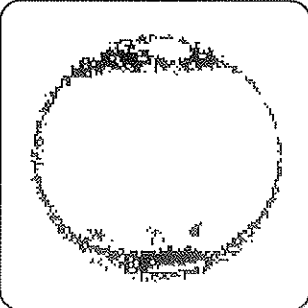
START TIME: 97-259/13:55:31.267

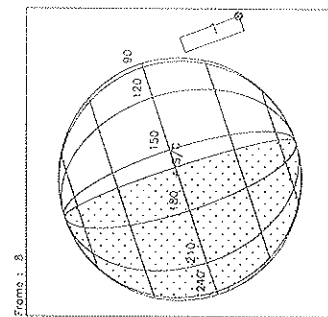
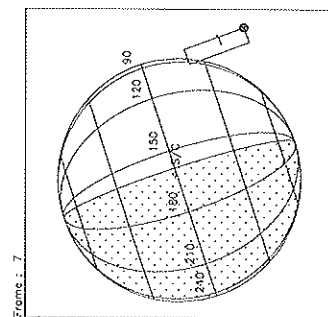
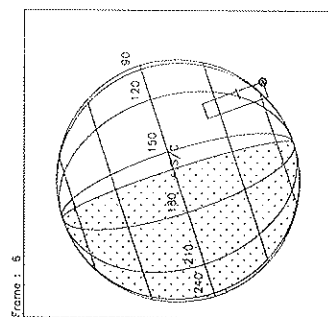
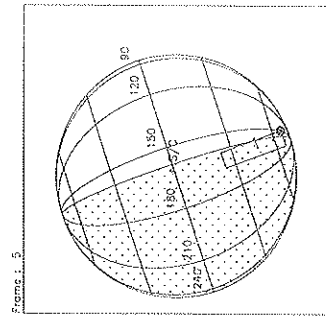
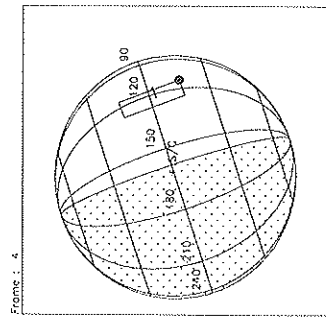
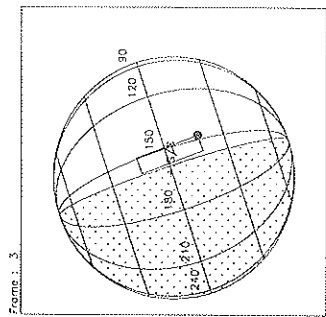
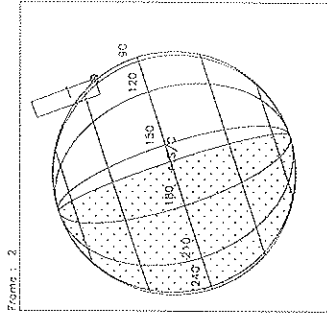
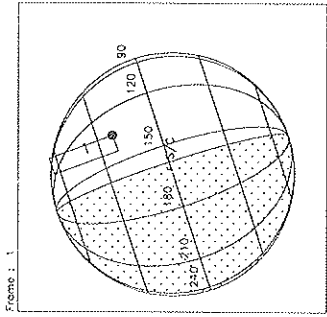
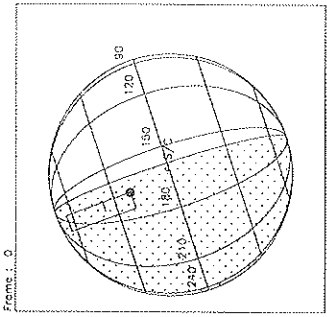
Activity ID: Orbit 10		OAPEL EUPHAS93		SeqNo 01-	
Title		UVS EUROPA PHASE (~93 deg)		Instrument UVS	
Requestor		UVS-SWG/W.SWEET 30523		Team UVS	
				Working Group SWG	
Time System CDS		Load ID 10A		Calendar Date 09/16/97	
				Week 38	
Start		JEE-CDS 00003397:00:0		97-259/13:55:31.267	
				JEE-002/09:14:44.666	
End		JEE-CDS 00003379:00:0		97-259/14:13:43.267	
				JEE-002/08:56:32.666	
Duration		00000018:00:0		000/00:18:12.000	
				000/00:18:12.000	
Top Label		10EUPHAS9301-			
Bottom Label		(real-time)			
Plot Key		UVS		Type SCI	
CDS Bytes		148		Report Options BOTH	
				Scan Platform Yes	
CDS Source		OAP		Spin State DUAL	
				DMS No	
Observation Objective					
<div style="border: 1px solid black; padding: 5px; width: 200px; height: 150px; display: inline-block; vertical-align: top;"></div> <p>Observe Europa in the 1600Å to 3200Å wavelength regions at phase angles not obtainable from the Earth.</p> <p>Target to body and stare at Europa using TMC in real-time at ~93° phase (104° longitude) using the UVS 10bps RTS rate.</p> <p>UVS Configuration = F/N Full Scans, 1 ms integration</p> <p>(17712 bits/flush) * 1 flush = 0.0177 mbtg</p> <p>MBTG = 0.0177</p>					
Design Detail					
CDS RIM Command Parameters				PSID	
-----				-----	
0	000	COMMENT	UVS RIM 0	(384CB)	
28	003+UVFLUSH	DISCRD,	UVS	(349CC)	
38	003	CMDRS		(157CB)	
	004	1	34UVS,07,S,N,N,N,S,0, ON, ON,OFF, ON,OFF,NOOVR,2,00,9C,01,2C		
	018	15	34UVS,C1,F,N,N,N,S,0,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00		
54	004	TARGET	with TMC on body	(165CB)	
28	017+UVFLUSH	PACKET,	UVS	(349CD)	



Start UTC_TIME : 1997-259 // 13:59:29.001
 End UTC_TIME : 1997-259 // 14:15:38.334
 Start SCLK : 1/0413328:00:0:0
 Delta Time between FOV : 106.0000
 FOVs : F Channel(0.1x0.4), N/G Channel(0.1x1.0)

Target Body : EUROPA
 Target Cone/Clock : 92.06 / 95.44 Deg
 S/C to Body Center : 1896673. Km (1211.9317 Re)
 Z-axis Pointing (Ro / Dec) : 137.25 / 19.00 Deg

Activity ID:	Orbit 10	OAPEL CUGLOBAL	SeqNo	01+
Title	UVS R/A W/ NIMS CALLISTO GLOBAL 01		Instrument	UVS
Requestor	UVS-SWG/W.SWEET 30523	Team	UVS	Working Group
			SWG	
Time System	CDS	Load ID	10A	Calendar Date
				09/16/97
				Week 38
Start	CTE-CDS 00000400:08:0		97-259/17:34:50.733	CTE-000/06:44:32.000
End	CTE-CDS 00000369:73:0		97-259/18:05:28.067	CTE-000/06:13:54.666
Duration	00000030:26:0		000/00:30:37.334	000/00:30:37.334
Top Label	10CUGLOBAL01+			
Bottom Label	(recorded)			
Plot Key	UVS	Type	SCI	
CDS Bytes	38	Report Options	BOTH	Scan Platform
				Yes
CDS Source	OAP	Spin State	DUAL	DMS
				Yes
Observation Objective				
 <p>Ride-along w/NIMS Callisto Global01 observation. Extend the surface scattering property measurements into the ultraviolet (1600 - 3200) in concert with NIMS measurements to infer information about particle size, and refractive and absorption properties of the surface materials.</p> <p>UVS Configuration = F/F Full Scans</p> <p>PE D/L Mbits = (1008 bps) (25 rims) (60.667 s/RIM) = 1.5288 Mbit</p> <p>RJ = 28.6, compression 1.54</p> <p>MBTG = 0.993</p>				
Design Detail				
CDS RIM	Command	Parameters		
0	004	TARGET (NIMS Target)		
0		CSMOS (NIMS Csmos)		
0	004	SCIREC (NIMS Scirec)		
38	003	CHDRS (157CC)		
	004	1 34UVS,07,S,N,N,N,S,0, ON,OFF,OFF, ON,OFF,NOOVR,1,00,9C,00,00		
	029	26 34UVS.CI,F,N,N,N,S,0,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00		



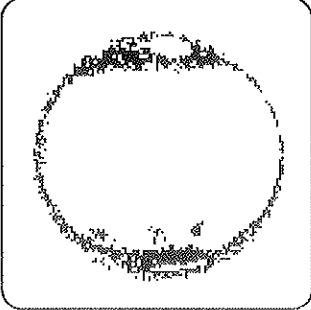
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End UTC_TIME : 1997-259 // 18:06:11.660
Start SCLK : 1/04133455:00:00
Delta Time between FOV : 204.0000
FOVs : F Channel(0.1x0.4), N/C Channel(0.1x1.0)

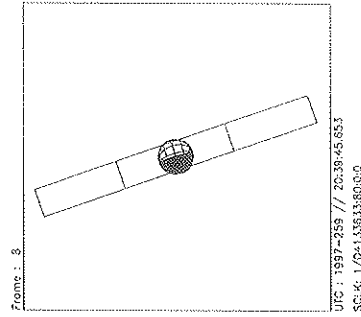
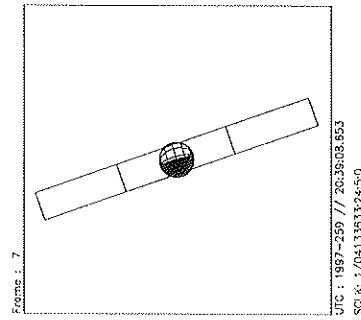
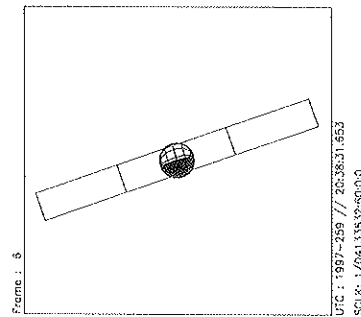
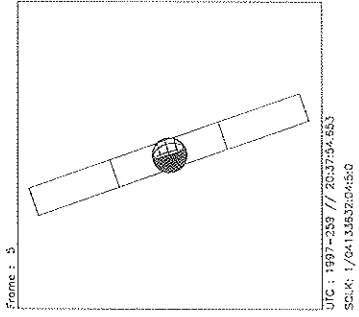
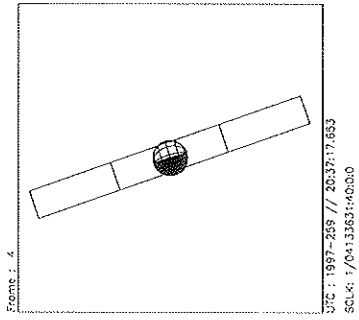
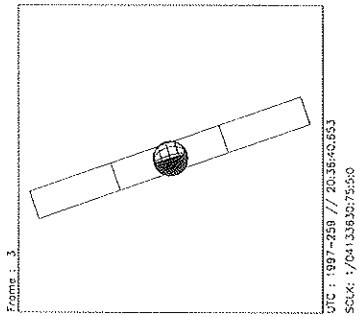
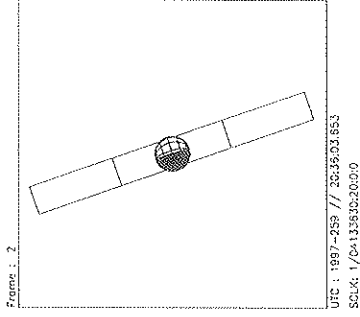
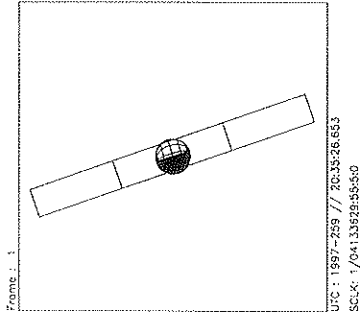
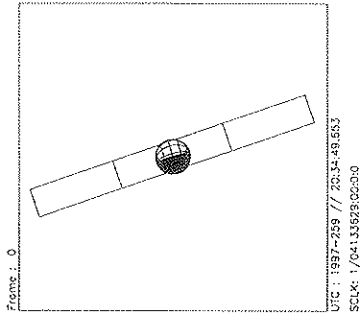
Target Body : CALLISTO
Target Cone/Clock : 89.99 / 95.39 Deg
S/C to Body Center : 191231.3 Km (79.560236 Rc)
Z-axis Pointing (Ra / Dec) : 137.25 / 19.00 Deg

UVS EUROPA LONGITUDE (~100 deg)

ACTIVITY ID: 10EULON10001-

START TIME: 97-259/20:30:51.933

Activity ID: Orbit 10	OAPEL EULON100	SeqNo 01-
Title	UVS EUROPA LONGITUDE (~100 deg)	Instrument UVS
Requestor	UVS-SWG/W.SWEET 30523	Team UVS Working Group SWG
Time System CDS	Load ID 10A	Calendar Date 09/16/97 Week 38
Start	JEE-CDS 00003006:00:0	97-259/20:30:51.933 JEE-002/02:39:24.000
End	JEE-CDS 00002997:00:0	97-259/20:39:57.933 JEE-002/02:30:18.000
Duration	00000009:00:0	000/00:09:06.000 000/00:09:06.000
Top Label	10EULON10001-	
Bottom Label	(real-time)	
Plot Key	UVS	Type SCI
CDS Bytes	148	Report Options BOTH Scan Platform Yes
CDS Source	OAP	Spin State DUAL DMS No
Observation Objective		
	Observe Europa in the 1600Å to 3200Å wavelength regions at phase angles not obtainable from the Earth to supplement and complement the NIMS surface property measurements.	
	Target and stare at Europa with TMC in real-time at ~100° (131°) longitude and 92° phase angle using the UVS 10bps RTS rate.	
	UVS Configuration = F/N Full Scans, 1 ms integration	
	(17712 bits/flush) * 1 flush = 0.0177 mbtg	
MBTG = 0.0177		
CDS RIM Command Parameters		Design Detail
0	000 COMMENT UVS RIM 0	(348CC)
28	003+UVFLUSH DISCRD,UVS	(349CE)
38	003 CMDRS	(157CD)
	004 1 34UVS,07,S,N,N,N,S,0, ON, ON,OFF, ON,OFF,NOOVR,2,00,9C,01,2C	
	009 6 34UVS,C1,P,N,N,N,S,0,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00	
54	004 TARGET with TMC on body	(165CC)
28	008+UVFLUSH PACKET,UVS	(349CF)



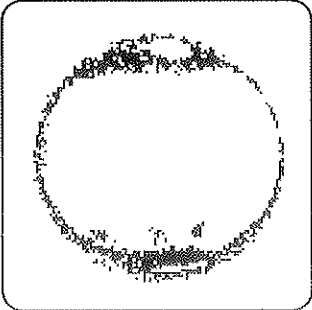
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End UTC_TIME : 1997-259 // 20:39:52.986
Start SCLK : 1/04133629:00:00
Delta Time between FOV : 37.00000
FOVs : F Channel(0.1x0.4), N/G Channel(0.1x1.0)

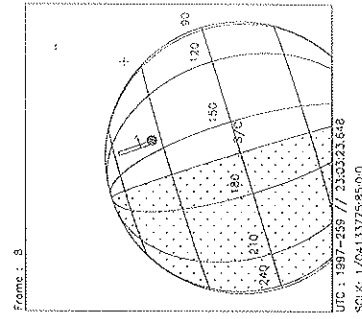
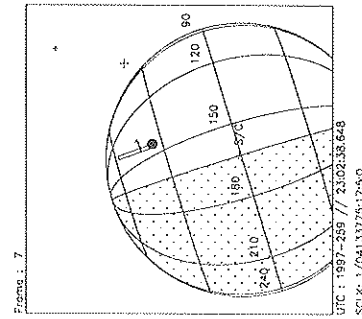
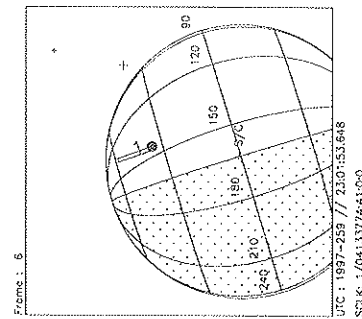
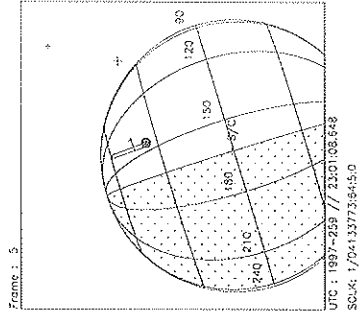
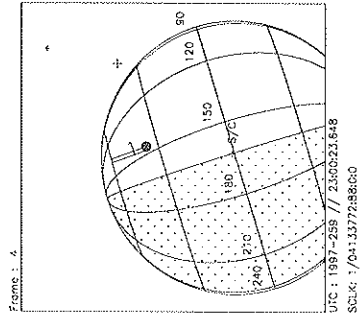
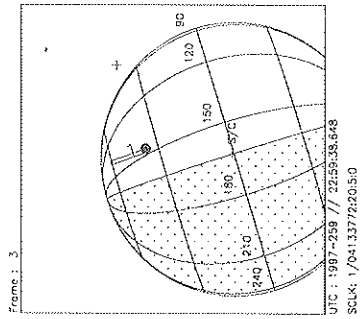
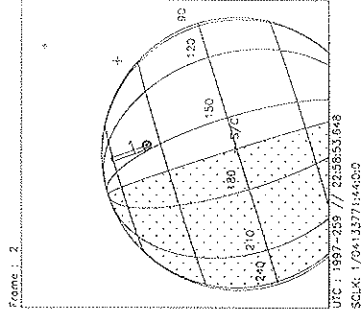
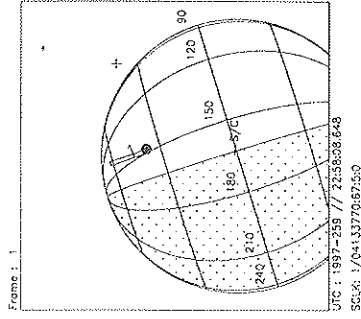
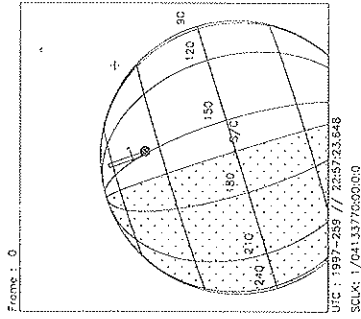
Target Body : EUROPA
Target Cone/Clock : 93.97 / 95.48 Deg
S/C to Body Center : 148182. Km (946.85602 Re)
Z-axis Pointing (Ra / Dec) : 137.25 / 19.00 Deg

UVS CALLISTO NORTH LATITUDE

ACTIVITY ID: 10CUNOLAT_01-

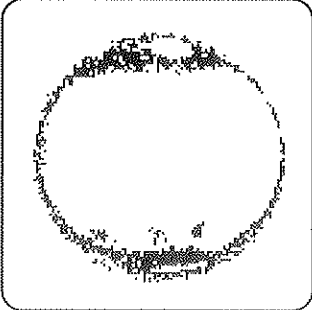
START TIME: 97-259/22:53:26.067

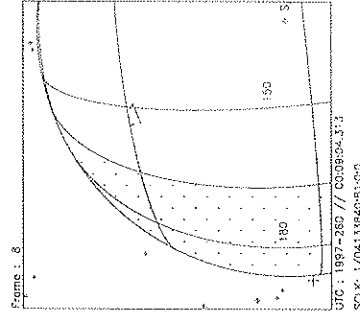
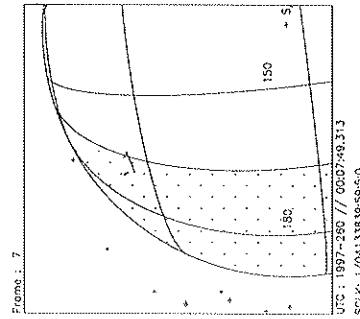
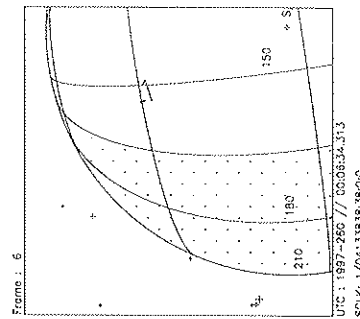
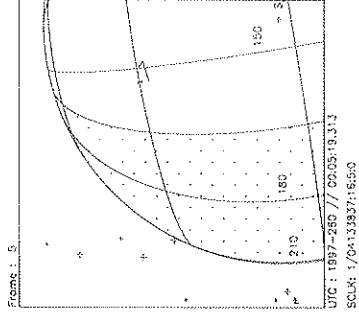
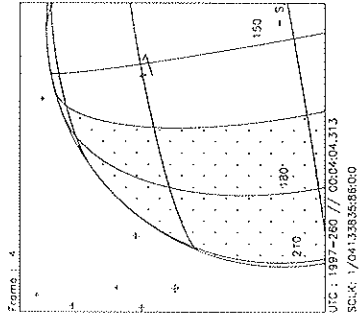
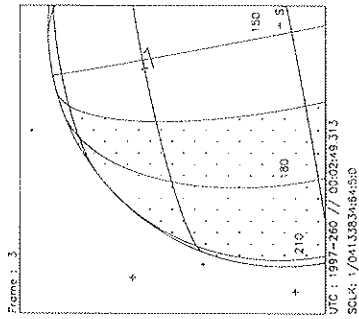
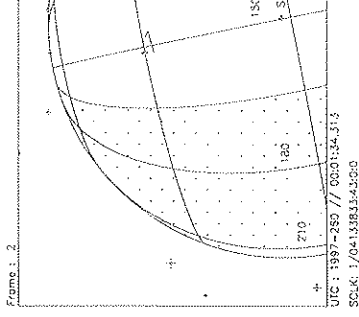
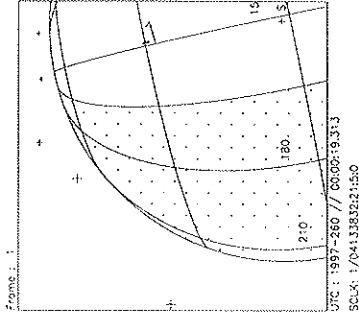
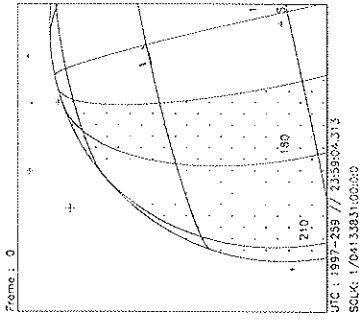
Activity ID: Orbit 10	OAPEL CUNOLAT_	SeqNo 01-
Title	UVS CALLISTO NORTH LATITUDE	Instrument UVS
Requestor	UVS-SWG/W.SWEET 30523	Team UVS Working Group SWG
Time System CDS	Load ID 10A	Calendar Date 09/16/97 Week 38
Start	CTE-CDS 00000085:00:0	97-259/22:53:26.067 CTE-000/01:25:56.666
End	CTE-CDS 00000074:00:0	97-259/23:04:33.400 CTE-000/01:14:49.333
Duration	00000011:00:0	000/00:11:07.333 000/00:11:07.333
Top Label	10CUNOLAT_01-	
Bottom Label	(recorded)	
Plot Key	UVS	Type SCI
CDS Bytes	90	Report Options BOTH Scan Platform Yes
CDS Source	OAP	Spin State DUAL DMS Yes
Observation Objective		
	Observe Callisto Northern latitudes. High northern latitudes.	
	UVS configuration: 1216 - 1304 Å 16 step mini-scans	
	(1008 bps) (6.132 rims)(60.677 s/RIM) = 0.375	
	Rj = 27, compression ~ 1.3	
	MBTG = 0.288	
CDS RIM	Command Parameter	Design Detail
38 003	CMDRS	(157CE)
004 1	34UVS,DI,F,N,N,N,S,0,OFF,OFF, ON, ON,OFF,NOOVR,1,5A,45,00,39	
010 7	34UVS,C1,F,N,N,N,S,0,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00	
27 004	TARGET (4 RIM Posn_slew)	(165CD)
25 003	SCIREC	(175CD)



Start UTC_TIME : 1997-259 // 22:57:23.648
End UTC_TIME : 1997-259 // 23:03:27.648
Start SCLK : 1/04133770:00:0:0
Delta Time between FOV : 45.00000
FOVs : F Channel(0.1x0.4), N/G Channel(0.1x1.0)

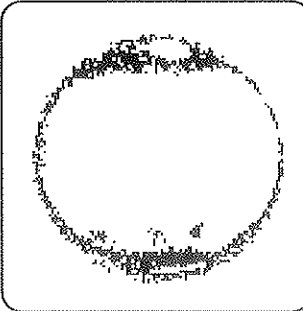
Target Body : CALLISTO
Target Cone/Clock : 93.59 / 95.22 Deg
S/C to Body Center : 39126.89 Km (16.282518 Rc)
Z-axis Pointing (Ro / Dec) : 137.25 / 19.00 Deg

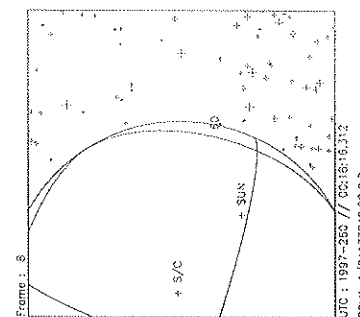
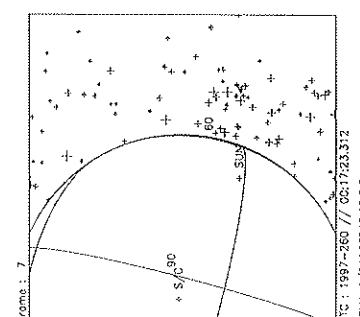
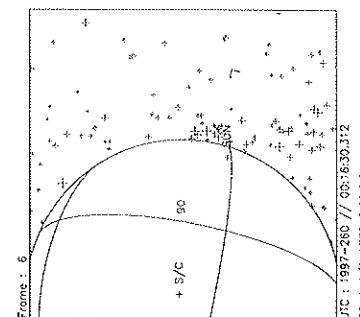
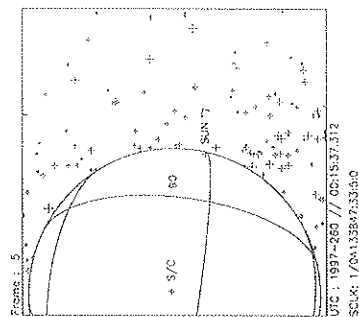
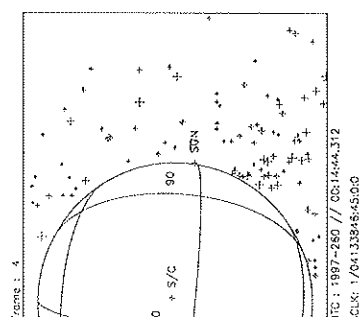
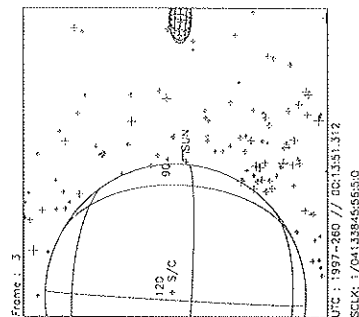
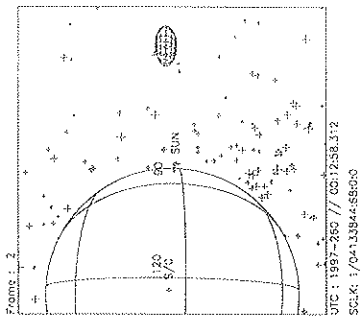
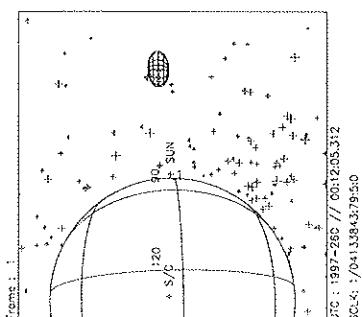
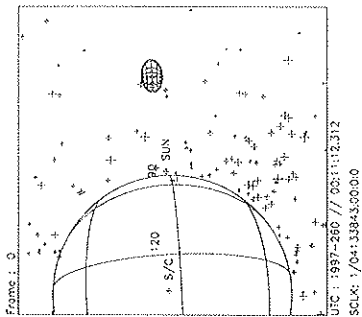
Activity ID: Orbit	10	OAPEL CUASGARD	SeqNo	01+
Title	UVS R/A W/ NIMS ASGARD CRATER		Instrument	UVS
Requestor	UVS-SWG/W.SWEET 30523	Team	UVS	Working Group
				SWG
Time System	CDS	Load ID	10A	Calendar Date
				09/16/97
				Week
				38
Start	CTE-CDS 00000021:08:0		97-259/23:58:03.400	
End	CTE-CDS 00000010:04:0		97-260/00:09:13.400	
Duration	00000011:04:0		000/00:11:10.000	
			000/00:11:10.000	
Top Label	10CUASGARD01+			
Bottom Label	(recorded)			
Plot Key	UVS	Type	SCI	
CDS Bytes	38	Report Options	BOTH	Scan Platform
				Yes
CDS Source	OAP	Spin State	DUAL	DMS
				Yes
Observation Objective				
	Ride-along with the NIMS Callisto Asgard Crater observation to observe Callisto in the 1600Å to 3200Å wavelength regions at phase angles not obtainable from the Earth. Data will supplement and complement the NIMS surface property measurements.			
	Playback of this observation will require [(1008 bps) * (9 RIMS) * (60.667 s/RIM)] = 0.550 Mbits of UVS data.			
	UVS Configuration = F/F Full Scans Rj=26.4, compression ~1.4 MBTG = 0.393			
Design Detail				
CDS RIM	Command Parameters			
0	001	TARGET (NIMS Target)		
0		CSMOS (NIMS Csmos)		
0	002	SCIREC (NIMS Scirec)		
38	003	CMDRS (157CF)		
	004	1 34UVS,07,S,N,N,N,S,0, ON,OFF,OFF, ON,OFF,NOOVR,1,00,9C,00,00		
	013	9 34UVS,C1,F,N,N,N,S,0,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00		



Start UTC_TIME : 1997-259 // 23:59:04.313
 End UTC_TIME : 1997-260 // 00:09:10.979
 Start SCLK : 1/04133831:00:00
 Delta Time between FOV : 75.00000
 FOVs : F Channel(0.1x0.4), N/G Channel(0.1x1.0)

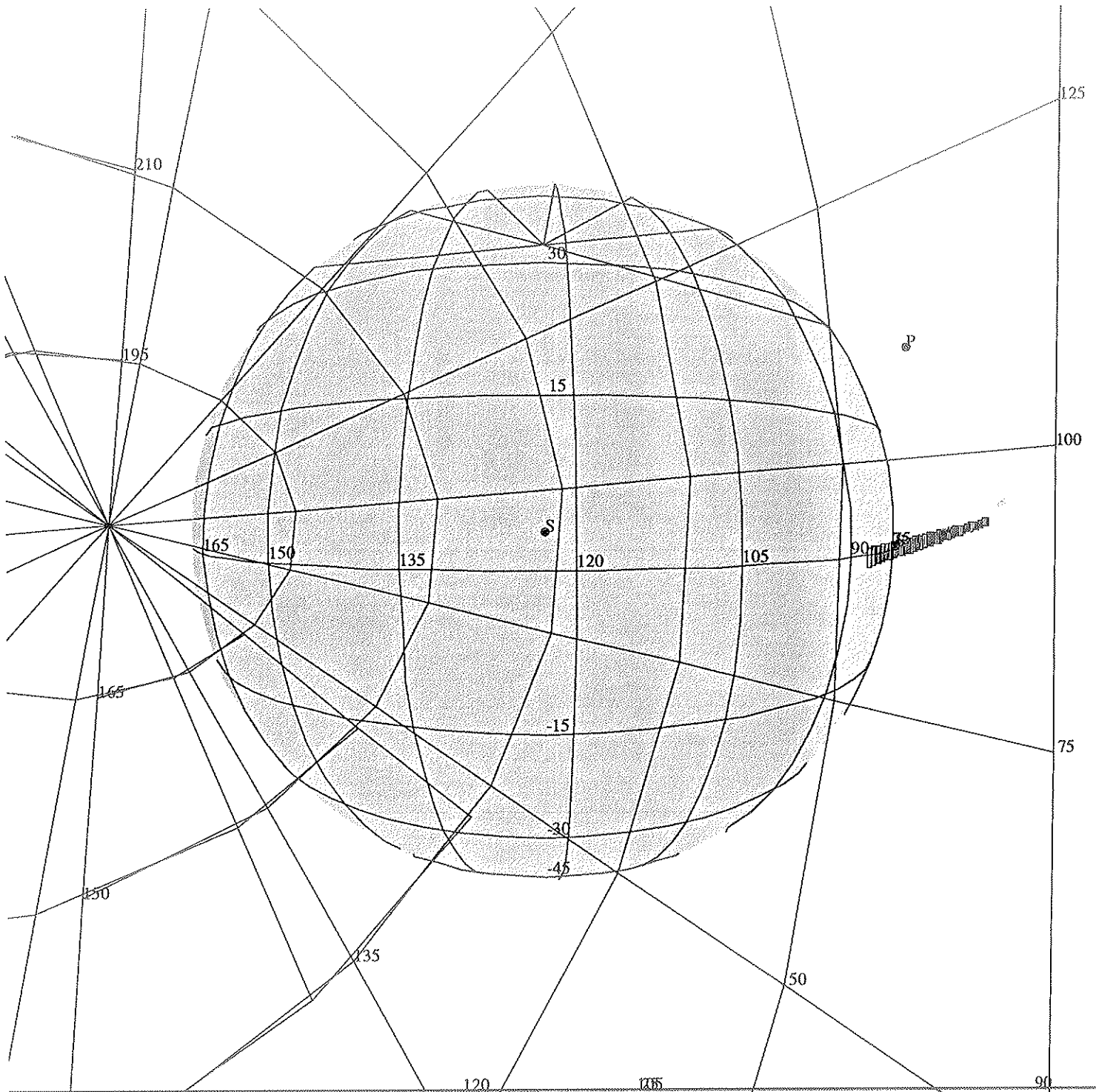
Target Body : CALLISTO
 Target Cone/Clock : 106.72 / 94.54 Deg
 S/C to Body Center : 9996.017 Km (4.1598075 Rc)
 Z-axis Pointing (Ro / Dec) : 137.29 / 18.98 Deg

Activity ID: Orbit 10	OAPEL CUBRTLMB	SeqNo 01-
Title	UVS CALLISTO BRIGHT LIMB SCAN (O & H)	Instrument UVS
Requestor	UVS-SWG/W.SWEET 30523	Team UVS Working Group SWG
Time System CDS	Load ID 10A	Calendar Date 09/17/97 Week 38
Start	CTE-CDS 00000010:00:0	97-260/00:09:16.067 CTE-000/00:10:06.666
End	CTE+CDS 00000000:02:0	97-260/00:19:24.066 CTE+000/00:00:01.333
Duration	00000010:02:0	000/00:10:07.999 000/00:10:07.999
Top Label	10CUBRTLMB01-	
Bottom Label	(recorded)	
Plot Key	UVS	Type SCI
CDS Bytes	65	Report Options BOTH Scan Platform Yes
CDS Source	OAP	Spin State DUAL DMS Yes
Observation Objective		
	<p>Measure the altitude distribution of volatiles near the sub-solar point to determine the escape rates from the Jovian satellites when the atmosphere is in full solar illumination. Search for outgassing of atomic H (1216 Å) and atomic O (1304 Å).</p> <p>11 RIM Callisto Bright Limb Drift Observation (4 RIM target slew + 7 RIM recorded drift). Target s/p to -1 Rc off satellite bright limb and allow the s/c motion to drift the FOV onto the bright limb.</p> <p>Playback of this observation will require $\{(7 \text{ RIMS}) * (1008 \text{ bps}) * (60.677 \text{ s/RIM})\} = 0.428136 \text{ Mbits}$ Rj=26.3, compression = 3 MBTG = 0.128</p> <p>UVS Configuration = G/G 16-step mini-scan 1216/1304 Å</p>	
	<p>CDS RIM Command Parameter</p> <p style="text-align: center;">Design Detail</p> <pre> 38 001 CMDRS (157CG) 003 1 34UVS,D1,F,N,N,N,S,0,OFF,OFF, ON, ON,OFF,NOOVR,1,5A,45,00,39 009 8 34UVS,C1,F,N,N,N,S,0,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00 27 004 TARGET (4 RIM Posn_slew) (165CE) 004 SCIREC (7 RIM @ 7.68 kbps) <- Deleted, will use FPSG recording around c/a </pre>	



Start UTC_TIME : 1997-260 // 00:11:12.312
End UTC_TIME : 1997-260 // 00:18:16.979
Start SCLK : 1/0413384300000
Delta Time between FOV : 53.00000
FOVs : F Channel(0.1x0.4), N/G Channel(0.1x1.0)

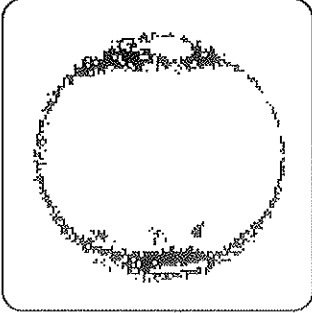
Target Body : CALLISTO
Target Cone/Clock : 128.45 / 93.14 Deg
S/C to Body Center : 4739.808 Km (1.9724547 Rc)
Z-axis Pointing (Ro / Dec) : 137.25 / 19.00 Deg

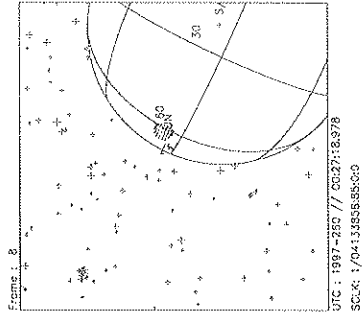
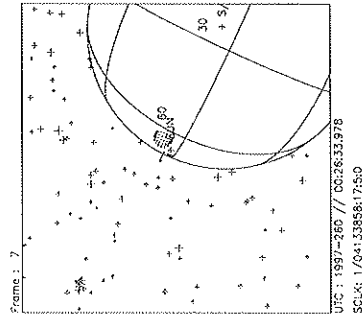
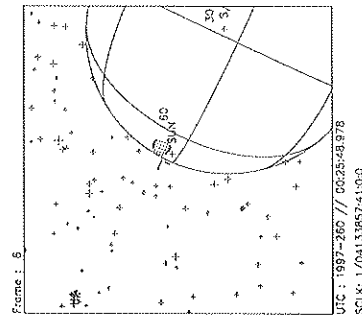
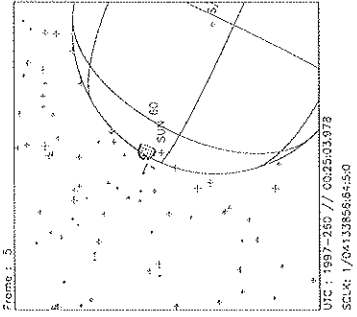
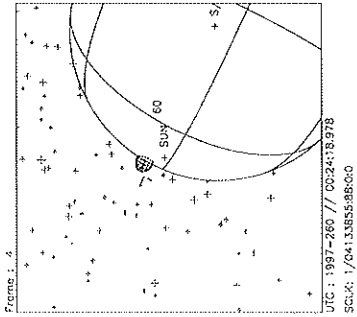
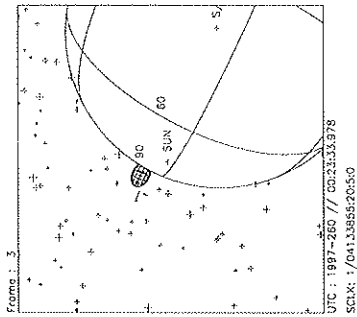
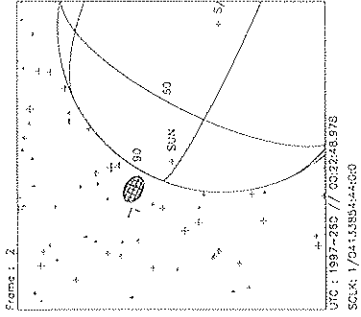
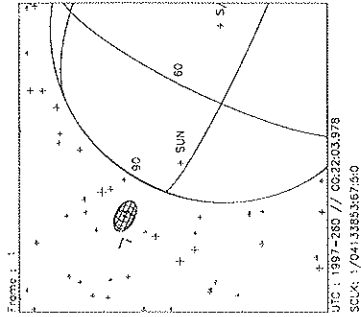
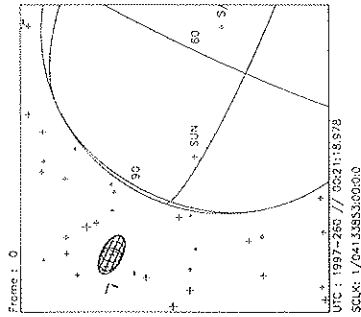


165CE:TT= 0 TMC= 1 C= -667.00 XC= -8.00 BS= 0/8784 TC= 3
 A=728 pD= 0 SR=17.430 RA50=228.97 DEC50=-24.08 cone= 99.13 clock= 91.65

ARGET G3.1 lisac: 8/25/1997 12:50:26
 ILE:P110CUBRTLMB01
 ARGET BODY : CALLISTO
 INI:m.target
 /C EPH:/DATA/NAVIO/T-970801-tour.NS
 ERIAPSIS:
 TART:CTE 97-260/00:19:22.733 -CDS 06:00:0

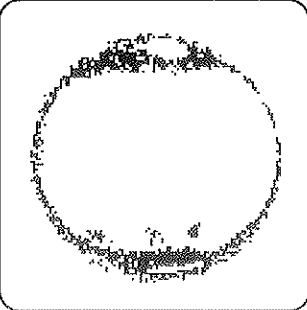
THINNING: :UVS 1
 BODY PLOT TIME:TARGET-TIME D= 0 S= 0.500

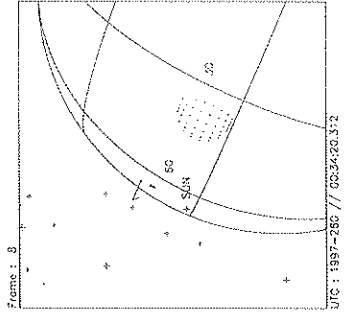
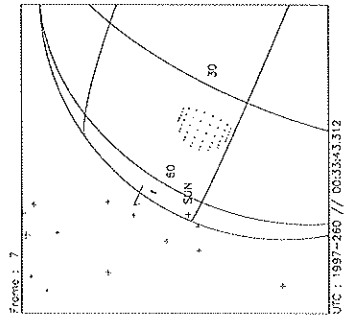
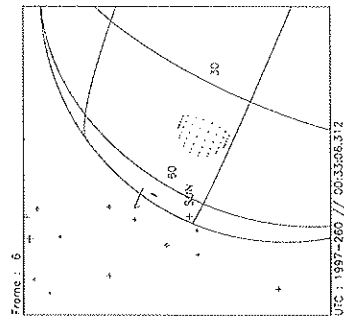
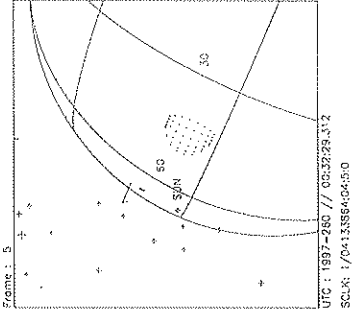
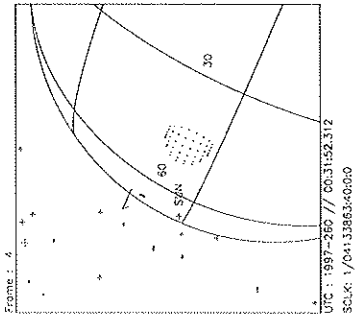
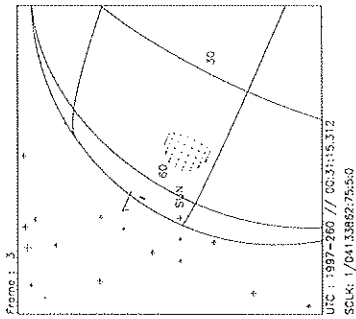
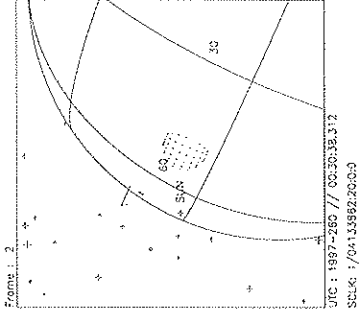
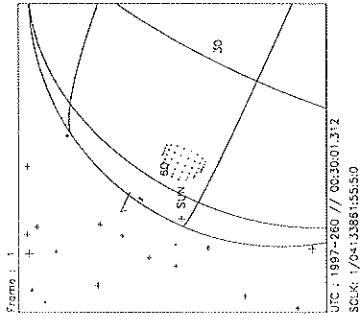
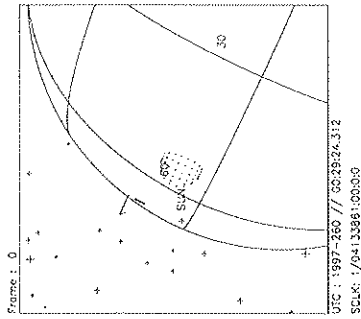
Activity ID: Orbit 10	OAPEL CUBRTLMB	SeqNo 02-
Title UVS CALLISTO BRIGHT LIMB SCAN (O & H)	Instrument UVS	
Requestor UVS-SWG/W.SWEET 30523	Team UVS	Working Group SWG
Time System CDS	Load ID 10A	Calendar Date 09/17/97 Week 38
Start CTE+CDS 00000001:00:0	97-260/00:20:23.399	CTE+000/00:01:00.666
End CTE+CDS 00000008:00:0	97-260/00:27:28.066	CTE+000/00:08:05.333
Duration 00000007:00:0	000/00:07:04.667	000/00:07:04.667
Top Label 10CUBRTLMB02-		
Bottom Label (recorded)		
Plot Key UVS	Type SCI	
CDS Bytes 90	Report Options BOTH	Scan Platform Yes
CDS Source OAP	Spin State DUAL	DMS Yes
Observation Objective		
	Measure the altitude distribution of volatiles near the sub-solar point to determine the escape rates from the Jovian satellites when the atmosphere is in full solar illumination. Search for outgassing of atomic H (1216 Å) and atomic O (1304 Å).	
	7 RIM Callisto Bright Limb Drift observation (1 RIM target slew + 6 RIM recorded data). Target s/p to ~1000 Km off satellite limb and allow s/c motion to drift FOV onto the bright limb sub-solar point.	
	Playback of this observation will require [(6 RIMS)*(1008 bps)*(60.677)] = 0.367 Mbits Rj=26.3, compression = 3 MBTG = 0.110	
	UVS Configuration = G/G 16-step mini-scan 1216/1304 Å NIMS will ride-along with this observation at 28.8 kbps.	
Design Detail		
CDS RIM	Command	Parameter
38 000	CMDRS	(157CH)
001	1	34UVS,D1,F,N,N,N,S,0,OFF,OFF, ON, ON,OFF,NOOVR,1,5A,45,00,39
007	7	34UVS,C1,F,N,N,N,S,0,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00
27 000	TARGET	(1 RIM Posn_slew) (165CF)
25 001	SCIREC	(6 RIM record @ 28.8 kbps = MPW) (175CB)



Start UTC_TIME : 1997-260 // 00:21:18.978
 End UTC_TIME : 1997-260 // 00:27:22.978
 Start SCLK : 1/04133853:00:0:0
 Delta Time between FOV : 45.00000
 FOVs : F Channel(0.1x0.4), N/G Channel(0.1x1.0)

Target Body : CALLISTO
 Target Cone/Clock : 156.35/281.80 Deg
 S/C to Body Center : 3159.479 Km (1.3148062 Rc)
 Z-axis Pointing (Ra / Dec) : 137.21 / 19.06 Deg

Activity ID:	Orbit 10	OAPEL CUPALIMP	SeqNo	01+
Title	UVS R/A W/ NIMS PALIMPSEST OBS		Instrument	UVS
Requestor	UVS-SWG/W.SWEET 30523	Team	UVS	Working Group
			SWG	
Time System	CDS	Load ID	10A	Calendar Date
				09/17/97
				Week 38
Start	CTE+CDS 00000008:00:0		97-260/00:27:28.066	CTE+000/00:08:05.333
End	CTE+CDS 00000015:00:0		97-260/00:34:32.733	CTE+000/00:15:10.000
Duration	00000007:00:0		000/00:07:04.667	000/00:07:04.667
Top Label	10CUPALIMP01+			
Bottom Label	(recorded)			
Plot Key	UVS	Type	SCI	
CDS Bytes	38	Report Options	BOTH	Scan Platform
				Yes
CDS Source	OAP	Spin State	DUAL	DMS
				Yes
Observation Objective				
	Ride-along with the NIMS Callisto Palimpsest observation to observe Callisto in the 1600Å to 3200Å wavelength regions at phase angles not obtainable from the Earth. Data will supplement and complement the NIMS surface property measurements.			
	Playback of this observation will require [(5 RIMS)*(1008 bps)*(60.677)] = 0.306 Mbits			
	Rj = 26.3, compression = 1.4 MBTC = 0.219			
	UVS Configuration = F/P Full Scans			
Design Detail				
CDS RIM	Command	Parameters		
0	002	TARGET (NIMS Target)		
0	002	CSMOS (NIMS Csmos)		
0	002	SCIREC (NIMS Scirec)		
38	001	CMDRS (157CI)		
	002	1 34UVS,07,S,N,N,N,S,0, ON,OFF,OFF, ON,OFF,NOOVR,1,00,9C,00,00		
	007	6 34UVS,C1,F,N,N,N,S,0,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00		



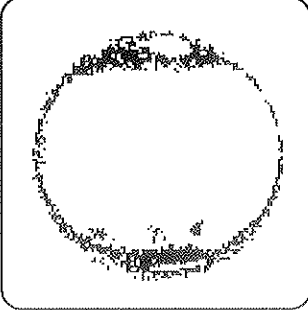
Start UTC_TIME : 1997-260 // 00:29:24.312
 End UTC_TIME : 1997-260 // 00:34:27.645
 Start SCLK : 1/04133861:00:0:0
 Delta Time between FOV : 37.00000
 FOVs : F Channel(0.1x0.4), N/G Channel(0.1x1.0)

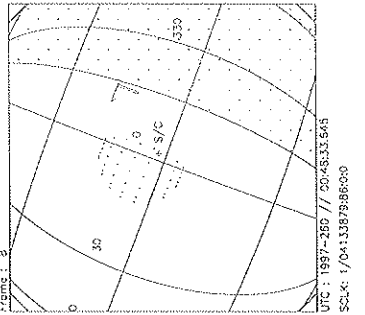
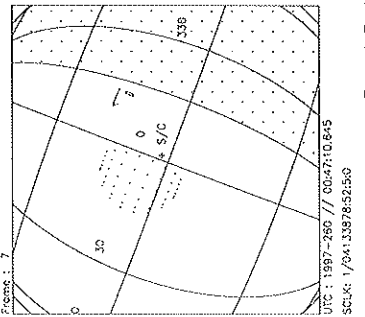
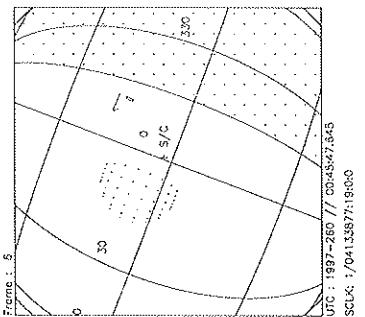
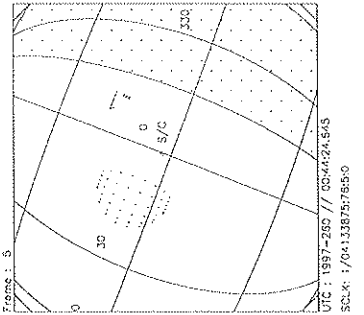
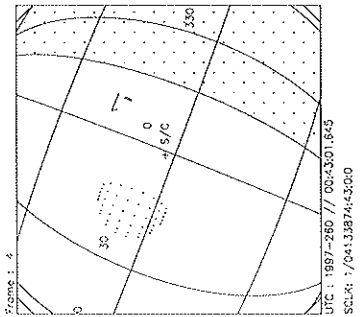
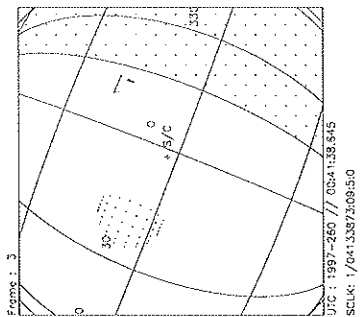
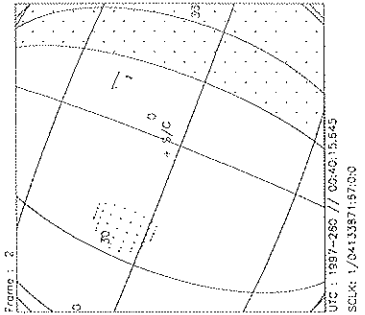
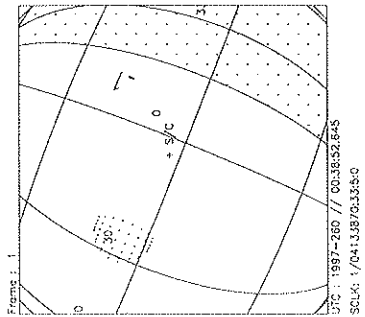
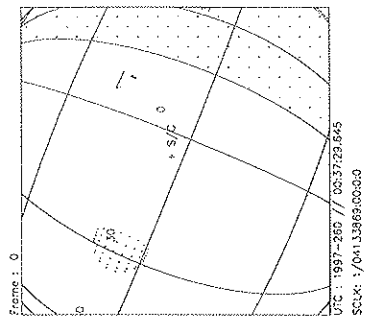
Target Body : CALLISTO
 Target Cone/Clock : 117.49/276.88 Deg
 S/C to Body Center : 5863.178 Km (2.4399410 Rc)
 Z-axis Pointing (Ra / Dec) : 137.25 / 19.00 Deg

UVS R/A W/ NIMS SMOOTH POLE

ACTIVITY ID: 10CUSMTHPL01+

START TIME: 97-260/00:36:34.066

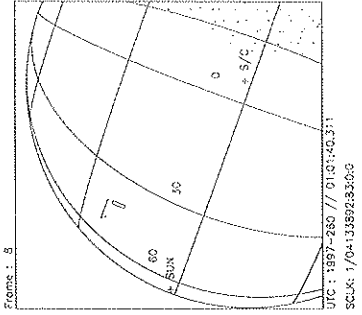
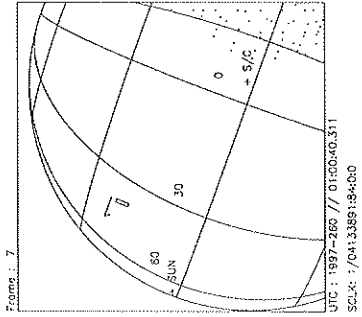
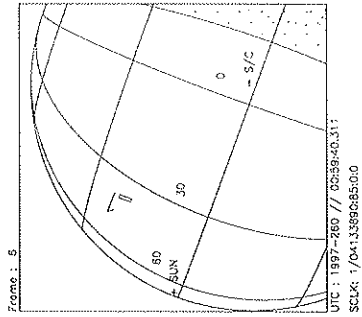
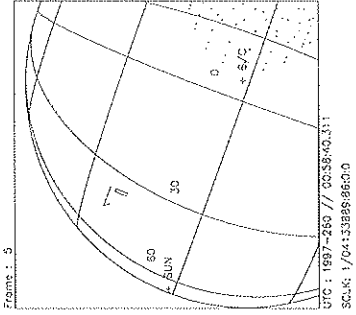
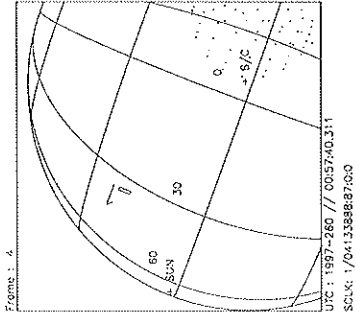
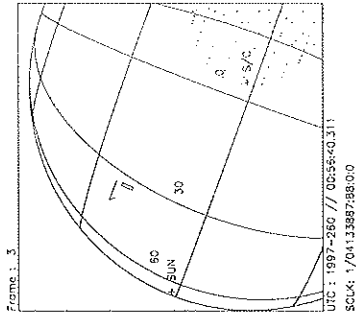
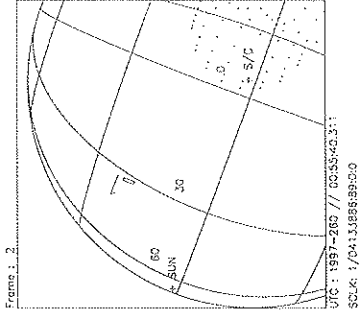
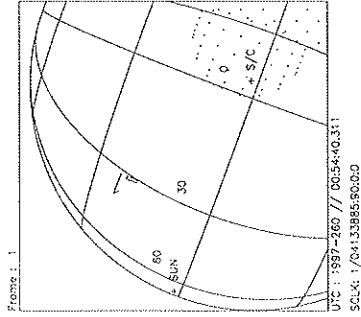
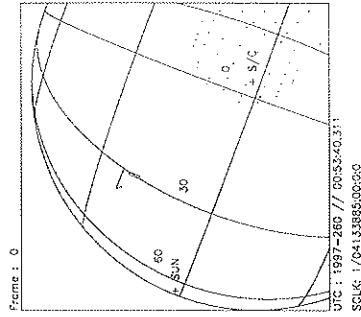
Activity ID: Orbit 10	OAPEL CUSMTHPL	SeqNo 01+
Title UVS R/A W/ NIMS SMOOTH POLE	Instrument UVS	
Requestor UVS-SWG/W.SWEET 30523	Team UVS	Working Group SWG
Time System CDS	Load ID 10A	Calendar Date 09/17/97 Week 38
Start CTE+CDS 00000017:00:0	97-260/00:36:34.066	CTE+000/00:17:11.333
End CTE+CDS 00000029:00:0	97-260/00:48:42.066	CTE+000/00:29:19.333
Duration 00000012:00:0	000/00:12:08.000	000/00:12:08.000
Top Label 10CUSMTHPL01+		
Bottom Label (recorded)		
Plot Key UVS	Type SCI	
CDS Bytes 38	Report Options BOTH	Scan Platform Yes
CDS Source OAP	Spin State DUAL	DMS Yes
Observation Objective		
	Ride-along with the NIMS Smooth Pole observation to observe Callisto in the 1600Å to 3200Å wavelength regions at phase angles not obtainable from the Earth. Data will supplement and complement the NIMS surface property measurements.	
	Playback of this observation will require $\{(11 \text{ RIMS}) * (1008 \text{ bps}) * (60.667 \text{ s/RIM})\} = 0.673 \text{ Mbits of UVS data.}$	
	Rj = 26, compression -1.4 MBTG = 0.481	
	UVS Configuration = F/F Full Scans	
Design Detail		
CDS RIM	Command Parameters	
0	TARGET (NIMS Target)	
0	CSMOS (NIMS Csmos)	
0	SCIREC (NIMS Scirec)	
38 000	CMDRS (157CJ)	
001	1 34UVS,07,S,N,N,N,S,0, ON,OFF, ON, ON,OFF,NOOVR,1,00,9C,00,00	
012	12 34UVS,C1,F,N,N,N,S,0, OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00	
<i>Nov 12, 97 Wesdy says only part was played back.</i>		



Start UTC_TIME : 1997-260 // 00:37:29.645
 End UTC_TIME : 1997-260 // 00:48:36.977
 Start SCLK : 1/04133869:00:0:0
 Delta Time between FOV : 83.00000
 FOVs : F Channel(0.1x0.4), N/G Channel(0.1x1.0)

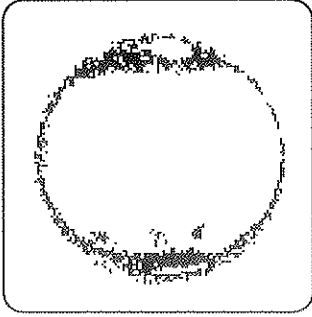
Target Body : CALLISTO
 Target Cone/Clock : 105.24/276.17 Deg
 S/C to Body Center : 9430.897 Km (3.9246347 Rc)
 Z-axis Pointing (Ra / Dec) : 137.20 / 18.99 Deg

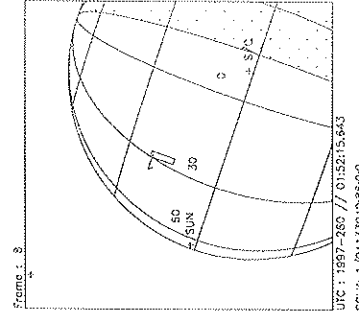
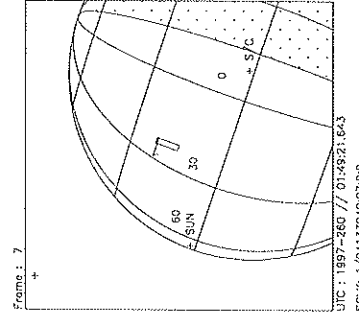
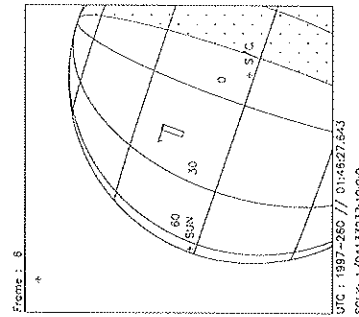
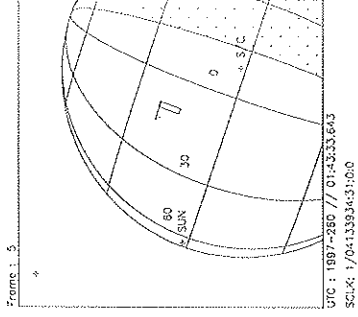
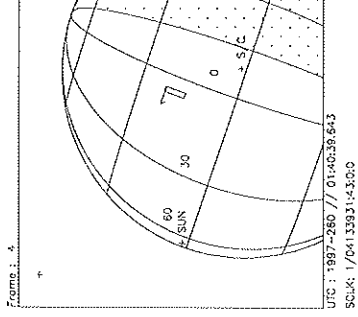
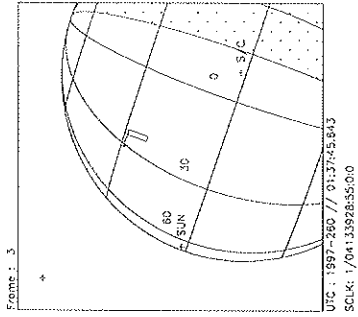
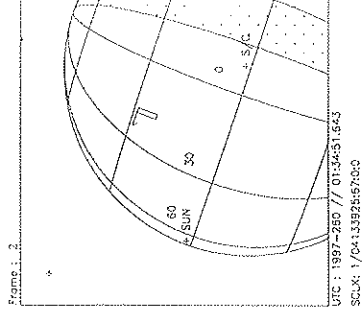
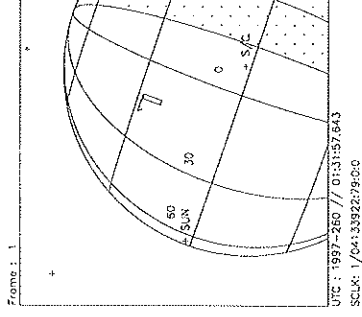
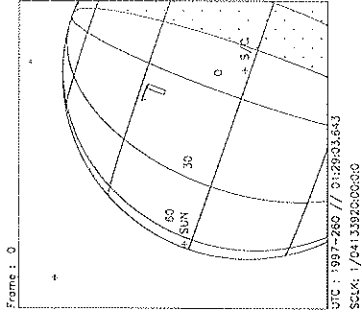
Activity ID: Orbit	10	OAPEL CUVALHAL	SeqNo	01+
Title	UVS R/A W/ NIMS VALHALLA OBS		Instrument	UVS
Requestor	UVS-SWG/W.SWEET 30523	Team	UVS	Working Group
				SWG
Time System	CDS	Load ID	10A	Calendar Date
				09/17/97
				Week
				38
Start	CTE+CDS 00000030:87:0		97-260/00:50:40.733	
End	CTE+CDS 00000042:78:0		97-260/01:02:42.733	
Duration	00000011:82:0		000/00:12:02.000	
			000/00:12:02.000	
Top Label	10CUVALHAL01+			
Bottom Label	(recorded)			
Plot Key	UVS	Type	SCI	
CDS Bytes	38	Report Options	BOTH	Scan Platform
				Yes
CDS Source	OAP	Spin State	DUAL	DMS
				Yes
Observation Objective				
	Ride-along with the NIMS Callisto Valhalla observation to observe Callisto in the 1600Å to 3200Å wavelength regions at phase angles not obtainable from the Earth. Data will supplement and complement the NIMS surface property measurements.			
	Playback of this observation will require [(9 RIMS)*(1008 bps)*(60.677)] = 0.550 Mbits of UVS data.			
	Rj = 26, compression = 1.4 MBFG = 0.393			
	UVS Configuration = F/F Full Scans			
Design Detail				
CDS	RIM	Command	Parameters	
0	004	TARGET	(NIMS Target)	
0	004	CSMOS	(NIMS Csmos)	
0	004	SCIREC	(NIMS Scirec)	
38	000	CMDRS	(157CK)	
001	1	34UVS	07,S,N,N,N,S,0, ON,OFF,OFF, ON,OFF,NOOVR,1,00,9C,00,00	
010	10	34UVS	CL,P,N,N,N,S,0,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00	



Start UTC_TIME : 1997-260 // 00:53:40.311
 End UTC_TIME : 1997-260 // 01:01:45.644
 Start SCLK : 1/04133885:00:00
 Delta Time between FOVs : 60.00000
 FOVs : F Channel(0.1x0.4), N/G Channel(0.1x1.0)

Target Body : CALLISTO
 Target Cone/Clock : 96.87/275.74 Deg
 S/C to Body Center : 16964.05 Km (7.0595316 Rc)
 Z-axis Pointing (Ro / Dec) : 137.25 / 19.00 Deg

Activity ID: Orbit 10	OAPEL CUCATENA	SeqNo 01+
Title UVS R/A W/ NIMS CATENA		Instrument UVS
Requestor UVS-SWG/W.SWEET 30523	Team UVS	Working Group SWG
Time System CDS	Load ID 10A	Calendar Date 09/17/97 Week 38
Start CEE+CDS 00000065:00:0	97-260/01:25:06.066	CEE+000/01:05:43.333
End CEE+CDS 00000093:00:0	97-260/01:53:24.733	CEE+000/01:34:02.000
Duration 00000028:00:0	000/00:28:18.667	000/00:28:18.667
Top Label 10CUCATENA01+		
Bottom Label (recorded)		
Plot Key UVS	Type SCI	
CDS Bytes 38	Report Options BOTH	Scan Platform Yes
CDS Source OAP	Spin State DUAL	DMS Yes
Observation Objective		
	Ride-along with the NIMS Callisto Catena observation to observe Callisto in the 1600Å to 3200Å wavelength regions at phase angles not obtainable from the Earth. Data will supplement and complement the NIMS surface property measurements.	
	Playback of this observation will require [(24.7 RIMS)*(1008 bps)*(60.667 s/RIM)] = 1.510 Mbits of UVS data.	
	Rj = 26, compression ~ 1.4 MBTG = 1.079	
	UVS Configuration = F/F Full Scans	
Design Detail		
CDS RIM	Command Parameters	
0	TARGET (NIMS Target)	
0	CSMOS (NIMS Csmos)	
0	SCIREC (NIMS Scirec)	
38 000	CMDRS (157CL)	
001	1 34UVS,07,S,N,N,N,S,0, ON,OFF,OFF, ON,OFF,NOOVR,1,00,9C,00,00	
028	28 34UVS,C1,F,N,N,N,S,0,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00	



Start UTC_TIME : 1997-260 // 01:29:03.643
 End UTC_TIME : 1997-260 // 01:52:18.975
 Start SCLK : 1/04133920:00:00
 Delta Time between FOV : 174.0000
 FOVs : F Chornie(0.1x0.4), N/G Channel(0.1x1.0)

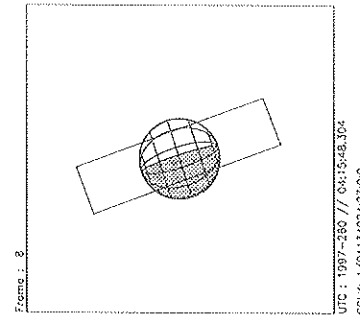
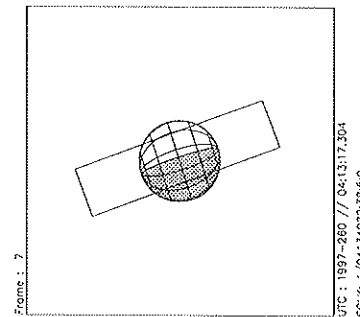
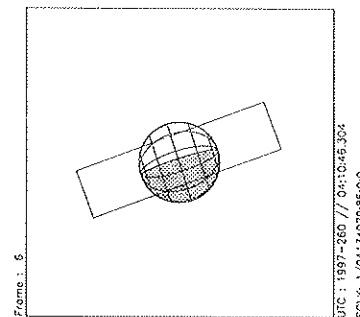
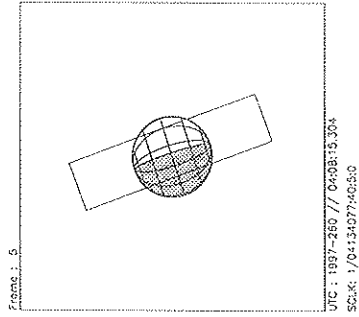
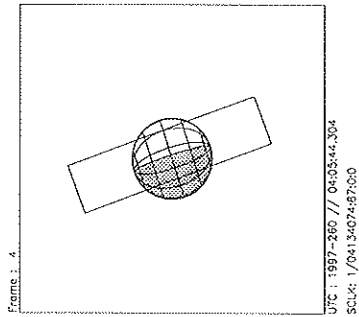
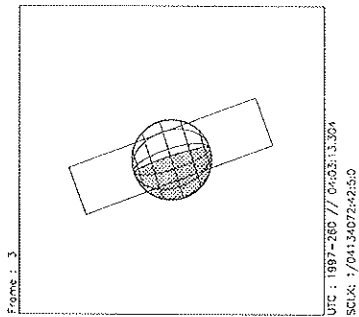
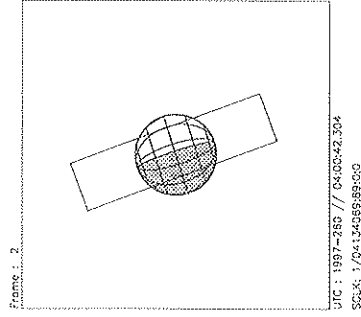
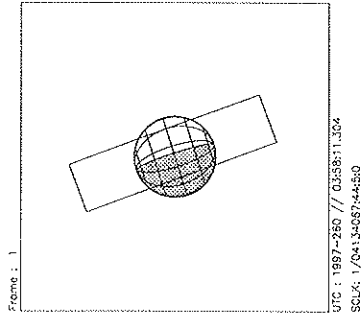
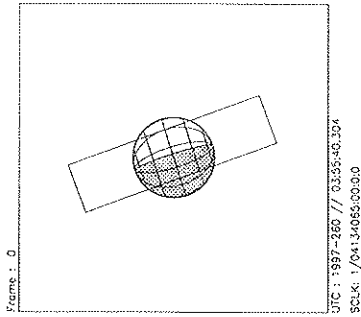
Target Body : CALLISTO
 Target Cone/Clock : 91.74/275.48 Deg
 S/C to Body Center : 33731.06 Km (14.037064 Rc)
 Z-axis Pointing (Ro / Dec) : 137.25 / 19.00 Deg

UVS EUROPA PHASE (~95 deg)

ACTIVITY ID: 10EUPHAS9501-

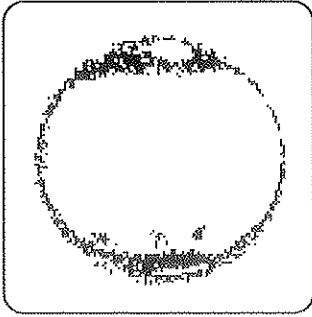
START TIME: 97-260/03:51:42.733

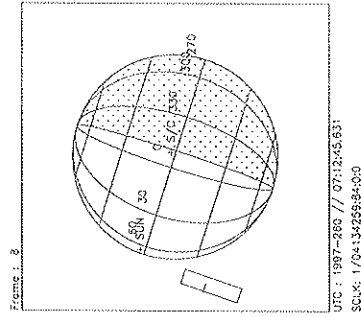
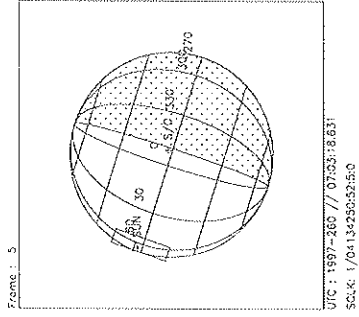
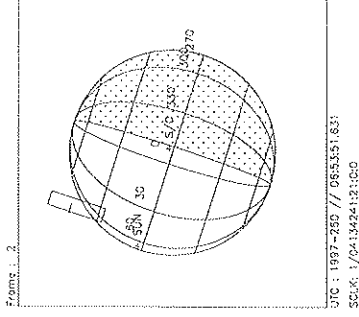
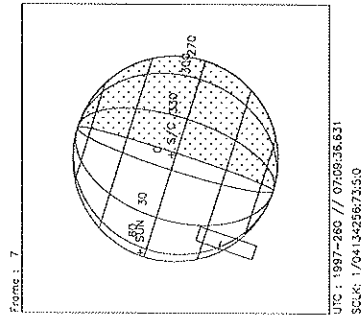
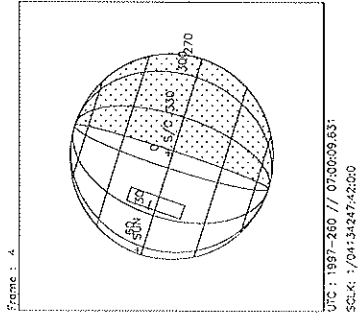
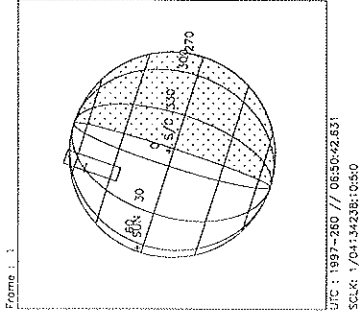
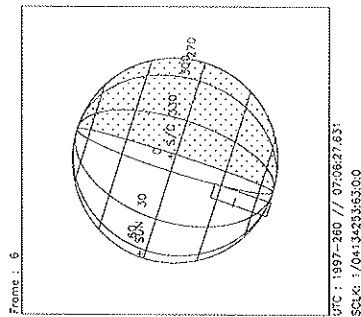
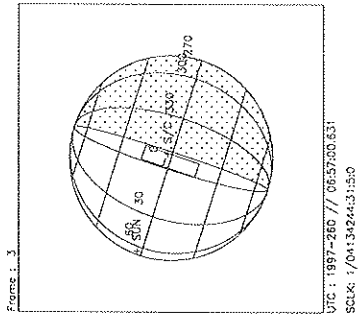
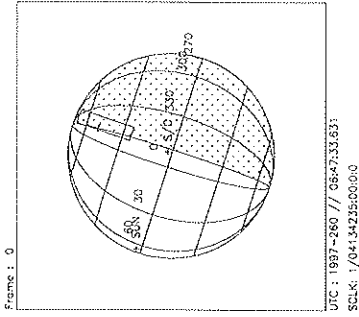
Activity ID:	Orbit 10	OAPEL EUPHAS95	SeqNo	01-			
Title	UVS EUROPA PHASE (~95 deg)		Instrument	UVS			
Requestor	UVS-SWG/W.SWEET 30523	Team	UVS	Working Group	SWG		
Time System	CDS	Load ID	10A	Calendar Date	09/17/97	Week	38
Start	CTE+CDS 00000210:00:0		97-260/03:51:42.733	CTE+000/03:32:20.000			
End	CTE+CDS 00000235:00:0		97-260/04:16:59.399	CTE+000/03:57:36.666			
Duration	00000025:00:0		000/00:25:16.666	000/00:25:16.666			
Top Label	10EUPHAS9501-						
Bottom Label	(real-time)						
Plot Key	UVS	Type	SCI				
CDS Bytes	148	Report Options	BOTH	Scan Platform	Yes		
CDS Source	OAP	Spin State	DUAL	DMS	No		
Observation Objective							
	Observe Europa in the 1600Å to 3200Å wavelength regions at phase angles not obtainable from the Earth to supplement and complement the NIMS surface property measurements.						
	Target and stare at Europa with TMC in real-time at ~95° phase (~165° longitude) using the UVS 10bps RTS rate.						
	UVS Configuration = F/F Full Scans						
	(17712 bits/flush) * 1 flush = 0.0177 mbtg MTBG = 0.0177						
CDS RIM	Command	Parameters	Design Detail				
0	000	COMMENT UVS RIM 0	(384CD)				
28	003+UVFLUSH	DISCRD,UVS	(349CG)				
38	003	CMDRS	(157CM)				
	004	1 34UVS,07,S,N,N,N,S,0, ON,OFF, OFF, ON,OFF,NOOVR,1,00,9C,00,00					
	024	21 34UVS,C1,F,N,N,N,S,0,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00					
54	004	TARGET with TMC on body	(165CG)				
28	023+UVFLUSH	PACKET,UVS	(349CH)				



Start UTC_TIME : 1997-260 // 03:55:40.304
End UTC_TIME : 1997-260 // 04:15:53.637
Start SCLK : 1/04134065:00:0
Delta Time between FOV : 151.0000
FOVs : F_Channel(0.1x0.4), N/G_Channel(0.1x1.0)

Target Body : EUROPA
Target Cone/Clock : 90.38 / 95.31 Deg
S/C to Body Center : 1116609 Km (713.48812 Re)
Z-axis Pointing (Ra / Dec) : 137.25 / 19.00 Deg

Activity ID:	Orbit 10	OAPEL CUGLOBAL	SeqNo	02+
Title	UVS R/A W/ NIMS CALLISTO GLOBAL 02		Instrument	UVS
Requestor	UVS-SWG/W.SWEET 30523	Team	UVS	Working Group
				SWG
Time System	CDS	Load ID	10A	Calendar Date
				09/17/97
				Week 38
Start	CEE+CDS 00000380:00:0		97-260/06:43:36.066	CEE+000/06:24:13.333
End	CEE+CDS 00000410:00:0		97-260/07:13:56.066	CEE+000/06:54:33.333
Duration	00000030:00:0		000/00:30:20.000	000/00:30:20.000
Top Label	10CUGLOBAL02+			
Bottom Label	(recorded)			
Plot Key	UVS	Type	SCI	
CDS Bytes	38	Report Options	BOTH	Scan Platform
				Yes
CDS Source	OAP	Spin State	DUAL	DMS
				Yes
Observation Objective				
	Ride-along w/NIMS Callisto Global02 observation. Extend the surface scattering property measurements into the ultraviolet (1600 - 3200) in concert with NIMS measurements to infer information about particle size, and refractive and absorption properties of the surface materials.			
	UVS Configuration = F/F Full Scans			
	Playback of this observation will require [(25 RIMS)*(1008 bps)*(60.667 s/RIM)] = 1.529 Mbits of UVS data.			
	Rj = 24, compression = 1.5 MBTG = 1.019			
Design Detail				
CDS RIM	Command Parameters			
0	TARGET	(NIMS Target)		
0	CSMOS	(NIMS Csmos)		
0	SCI REC	(NIMS Scirec)		
38	003	CMDRS	(157CN)	
	004	1	34UVS,07,S,N,N,N,S,0, ON,OFF,OFF, ON,OFF,NOOVR,1,00,9C,00,00	
	030	26	34UVS,C1,F,N,N,N,S,0,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00	



Start UTC_TIME : 1997-260 // 06:47:33.631
End UTC_TIME : 1997-260 // 07:12:50.297
Start SCLK : 1/04134235:00:00
Delta Time between FOV : 189.0000
FOVs : F Channel(0.1x0.4), N/G Channel(0.1x1.0)

Target Body : CALLISTO
Target Cone/Clock : 87.56/275.27 Deg
S/C to Body Center : 185886.2 Km (77.355886 Rc)
Z-axis Pointing (Ra / Dec) : 137.25 / 19.00 Deg

UVS GANYMEDE PHASE (~77 deg)

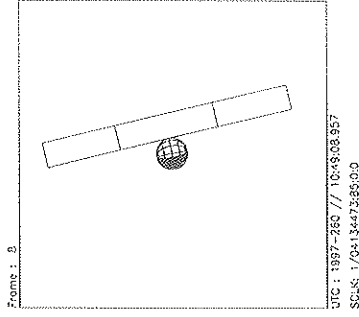
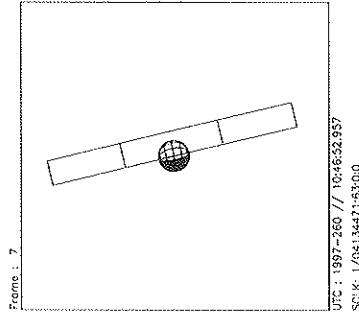
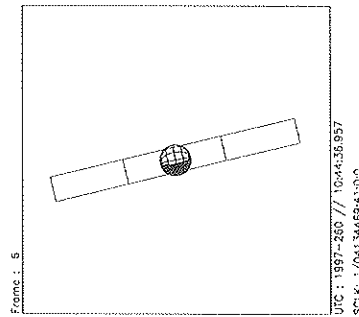
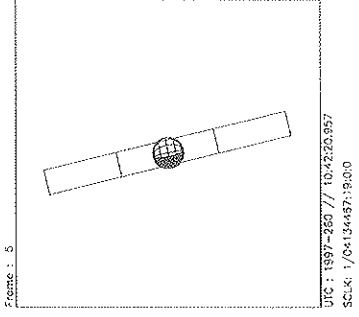
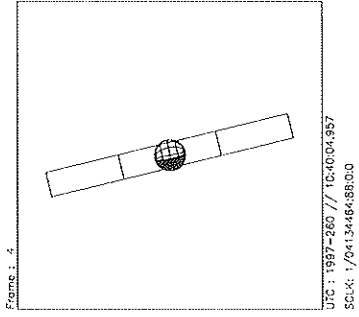
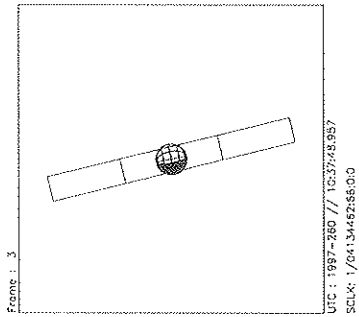
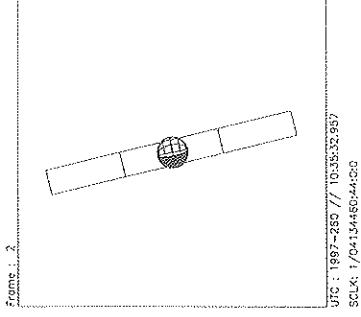
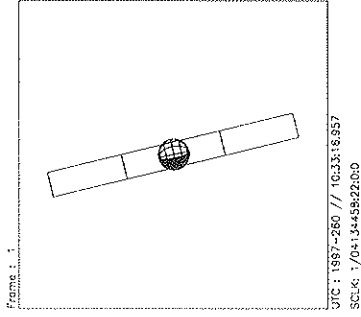
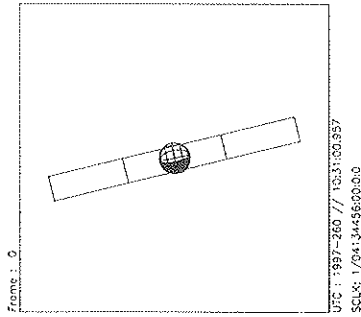
ACTIVITY ID: 10GUPHAS7701-

START TIME: 97-260/10:26:02.600

Activity ID: Orbit 10	OAPEL GUPHAS77	SeqNo 01-
Title	UVS GANYMEDE PHASE (~77 deg)	Instrument UVS
Requestor	UVS-SWG/W.SWEET 30523	Team UVS Working Group SWG
Time System CDS	Load ID 10A	Calendar Date 09/17/97 Week 38
Start	JEE-CDS 00002180:00:0	97-260/10:26:02.600 JEE-001/12:44:13.333
End	JEE-CDS 00002156:00:0	97-260/10:50:18.600 JEE-001/12:19:57.333
Duration	00000024:00:0	000/00:24:16.000 000/00:24:16.000
Top Label	10GUPHAS7701-	
Bottom Label	(real-time)	
Plot Key	UVS	Type SCI
CDS Bytes	148	Report Options BOTH Scan Platform Yes
CDS Source	OAP	Spin State DUAL DMS No
Observation Objective		
	<p>Observe Ganymede in the 1600Å to 3200Å wavelength regions at phase angles not obtainable from the Earth to supplement and complement the NIMS surface property measurements.</p> <p>Target and stare at Ganymede using TMC in real-time at ~77° phase (~30° longitude) using the UVS 10bps RTS rate.</p> <p>UVS Configuration = F/N Full Scans, 1 ms integration (17712 bits/flush) * 1 flush = 0.0177 mbtg MBTG = 0.0177</p>	
	Design Detail	
	<pre> CDS RIM Command Parameters ----- 0 000 COMMENT UVS RIM 0 (384CE) 28 003+UVFLUSH DISCRD,UVS (349CI) 38 001 CMDRS (157CO) 002 1 34UVS,07,S,N,N,N,S,0, ON, ON,OFF, ON,OFF,NOOVR,2,00,9C,01,2C 022 19 34UVS,C1,F,N,N,N,S,0,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00 54 002 TARGET with TMC on body (165CH) 28 021+UVFLUSH PACKET,UVS (349CJ) </pre>	
	<p>Galileo Activity Plan Form</p>	

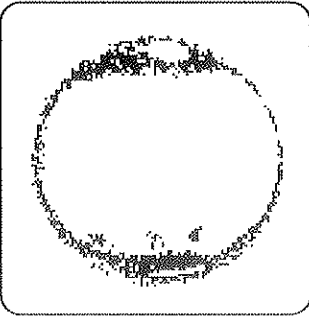
11/05/97

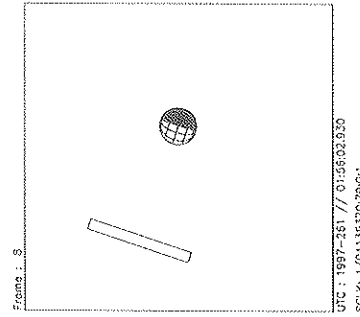
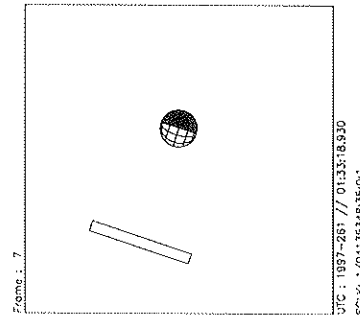
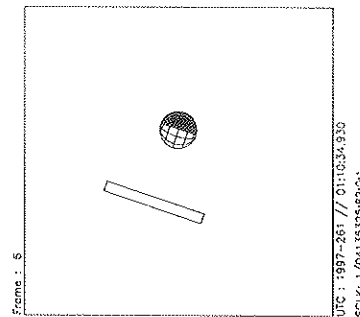
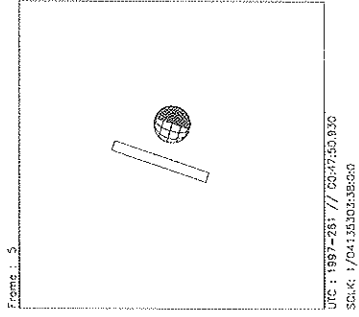
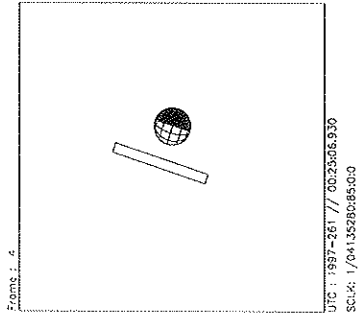
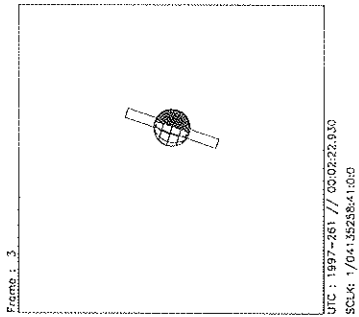
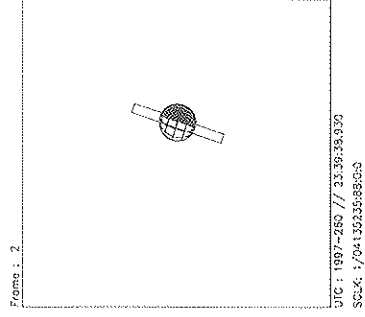
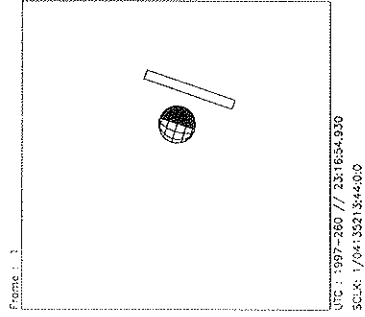
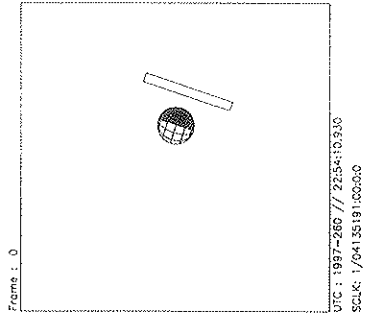
08:45:34



Start UTC_TIME : 1997-260 // 10:31:00.957
End UTC_TIME : 1997-260 // 10:49:12.956
Start SCLK : 1/04134456:0:0
Delta Time between FOV : 136.0000
FOVs : F Channel(0.1x0.4), N/G Channel(0.1x1.0)

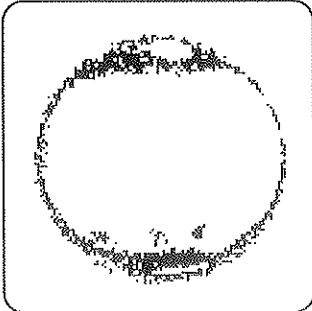
Target Body : CANYMEDE
Target Cone/Clock : 108.66/ 95.70 Deg
S/C to Body Center : 2441011. Km (926.73143 Rg)
Z-axis Pointing (Ro / Dec) : 137.25 / 19.00 Deg

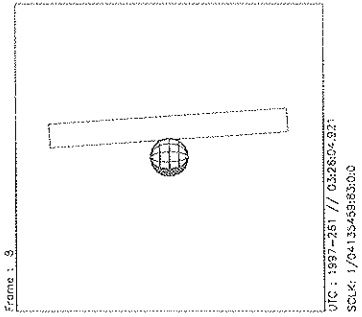
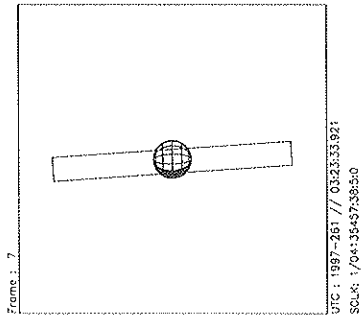
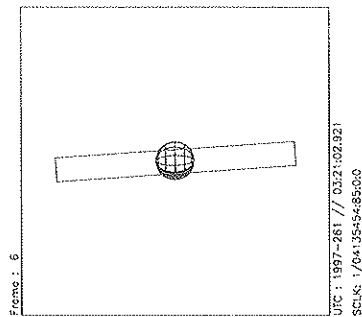
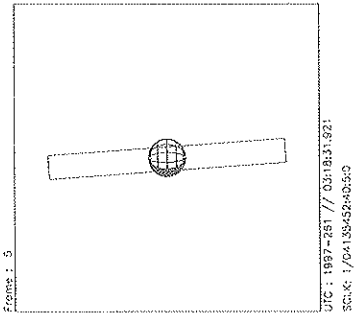
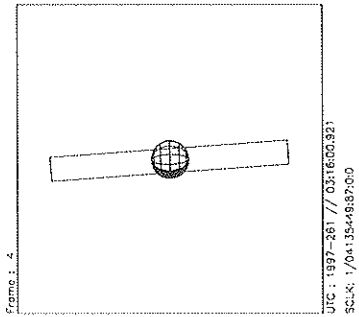
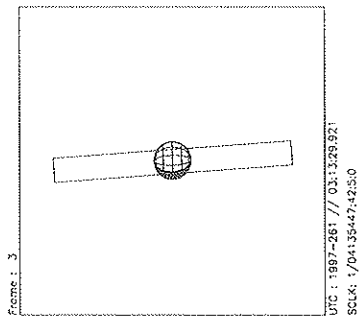
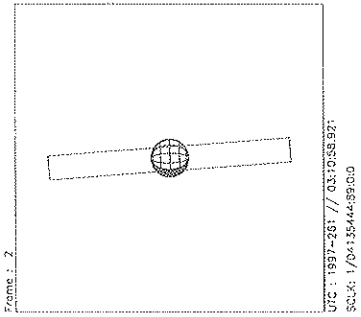
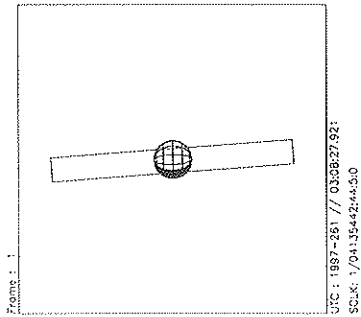
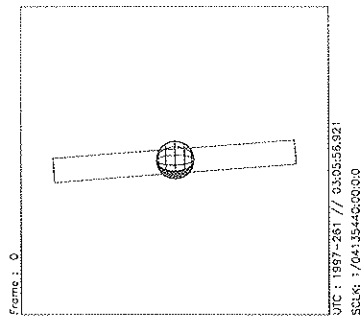
Activity ID:	Orbit 10	OAPEL CUNTRLCL	SeqNo	01-			
Title	UVS CALLISTO NEUTRAL CLOUD		Instrument	UVS			
Requestor	UVS-SWG/W.SWEET 30523	Team	UVS	Working Group	SWG		
Time System	CDS	Load ID	10A	Calendar Date	09/17/97	Week	38
Start	JEE-CDS 00001444:00:0		97-260/22:50:13.267		JEE-001/00:20:02.666		
End	JEE-CDS 00001260:00:0		97-261/01:56:15.933		JEE-000/21:14:00.000		
Duration	00000184:00:0		000/03:06:02.666		000/03:06:02.666		
Top Label	10CUNTRLCL01-						
Bottom Label	(real-time)						
Plot Key	UVS	Type	SCI				
CDS Bytes	518	Report Options	BOTH	Scan Platform	Yes		
CDS Source	OAP	Spin State	DUAL	DMS	No		
Observation Objective							
		-3 hour UVS real-time Callisto Neutral Cloud observation. Observe Callisto's extended atmosphere to compliment Callisto bright limb observations.					
		UVS Configuration: 1 radii from body, 30 rims, 1304/1319 1-step quiet G/G on body, 50 rims, 1216/1304 16-step G/G 1 radii off body, 30 rims, 1304/1319 1-step quiet G/G 3 radii off body, 30 rims, 1216/1304 16-step G/G 5 radii off body, 30 rims, 1216/1304 16-stp G/G (17712 bit/flush) * 5 flushes = 0.08856 mbtg MBTGC = 0.08856					
CDS RIM	Command	Parameters	Design Detail				
0	000	COMMENT UVS RIM 0	(384CF)				
28	002	+UVFLUSH DISCRD,UVS	(349CK)				
80	003	CMDRS	(157CP)				
	004	1 34UVS,C1,F,N,N,N,S,0,OFF,OFF,	ON,	ON,	OFF,	NOOVR,1,9C,05,00,0A	
	034	31 34UVS,D1,F,N,N,N,S,0,OFF,OFF,	ON,	ON,	OFF,	NOOVR,1,5A,45,00,39	
	094	91 34UVS,C1,F,N,N,N,S,0,OFF,OFF,	ON,	ON,	OFF,	NOOVR,1,9C,05,00,0A	
	124	121 34UVS,D1,F,N,N,N,S,0,OFF,OFF,	ON,	ON,	OFF,	NOOVR,1,5A,45,00,39	
	184	181 34UVS,C1,F,N,N,N,S,0,OFF,OFF,	ON,	OFF,	OFF,	NOOVR,1,2C,05,00,00	
54	004	TARGET with TMC 1 radii off body	(165CI)				
28	033	+UVFLUSH PACKET,UVS	(349CL)				
54	034	TARGET with TMC on body	(165CJ)				
28	093	+UVFLUSH PACKET,UVS	(349CM)				
54	094	TARGET with TMC -1 radii off body	(165CK)				
28	123	+UVFLUSH PACKET,UVS	(349CN)				
54	124	TARGET with TMC -3 radii off body	(165CL)				
28	153	+UVFLUSH PACKET,UVS	(349CO)				
54	154	TARGET with TMC -5 radii off body	(165CM)				
28	183	+UVFLUSH PACKET,UVS	(349CP)				



Start UTC_TIME : 1997-260 // 22:54:10.930
End UTC_TIME : 1997-261 // 01:56:10.924
Start SCLK : 1/04135191:00:00
Delta Time between FOV : 1364.000
FOVs : F Channel(0.1x0.4), N/G Channel(0.1x1.0)

Target Body : CALLISTO
Target Cone/Clock : 86.88/275.24 Deg
S/C to Body Center : 682466.7 Km (284.00610 Rc)
Z-axis Pointing (Ra / Dec) : 137.25 / 19.00 Deg

Activity ID: Orbit 10	OAPEL IUPHAS55	SeqNo 01-
Title UVS IO PHASE 55	Instrument UVS	
Requestor UVS-SWG/W.SWEET 30523	Team VUS	Working Group SWG
Time System CDS	Load ID 10A	Calendar Date 09/18/97
		Week 38
Start JEE-CDS 00001197:00:0	97-261/02:59:57.933	JEE-000/20:10:18.000
End JEE-CDS 00001171:00:0	97-261/03:26:15.267	JEE-000/19:44:00.666
Duration 00000026:00:0	000/00:26:17.334	000/00:26:17.334
Top Label 10IUPHAS5501-		
Bottom Label (real-time)		
Plot Key UVS	Type SCI	
CDS Bytes 148	Report Options BOTH	Scan Platform Yes
CDS Source OAP	Spin State DUAL	DMS No
Observation Objective		
	Io Phase Observation. Longitude = 45', phase angle = 55'. Stare at Io for 20 rims with TMC.	
	UVS configuration: 1304-1479 A G/C 16 step mini-scans	
	1 flush	
	1 flush * 17712 bits/sec = 0.018 MBTG	
Design Detail		
CDS RIM Command Parameters		
0 000 COMMENT UVS RIM 0		(384CM)
28 003+UVFLUSH DISCRD,UVS		(349DC)
38 003 CMDRS		(157CW)
004 1 34UVS,D1,F,N,N,N,S,0,OFF,OFF, ON, ON,OFF,NOOVR,1,94,45,00,73		
024 21 34UVS,C1,F,N,N,N,S,0,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00		
54 004 TARGET with TMC on body		(165CT)
28 023+UVFLUSH PACKET,UVS		(349DD)



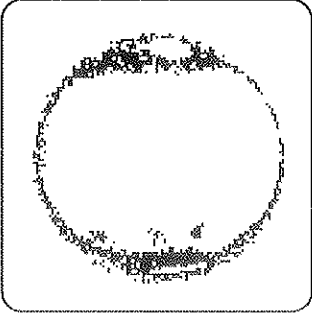
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End UTC_TIME : 1997-261 // 03:26:10.254
Start SCLK : 1/04135440:00:00
Delta Time between FOV : 151.0000
FOVs : F Channel(0.1x0.4), N/G Channel(0.1x1.0)

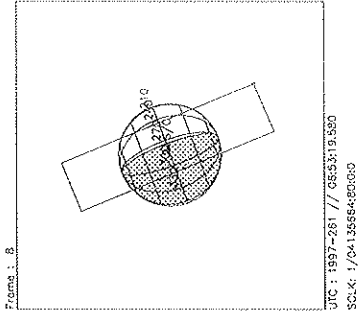
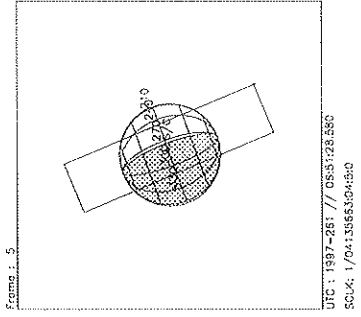
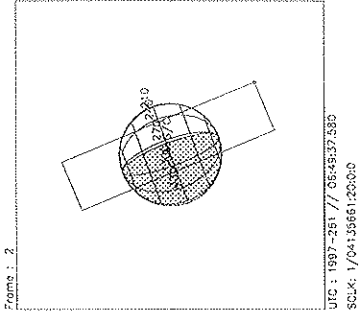
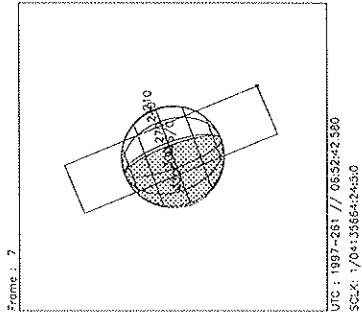
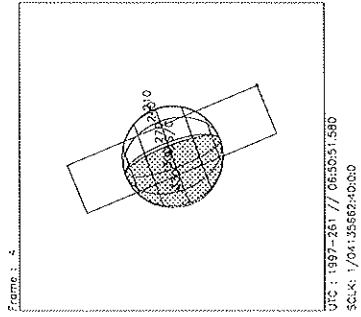
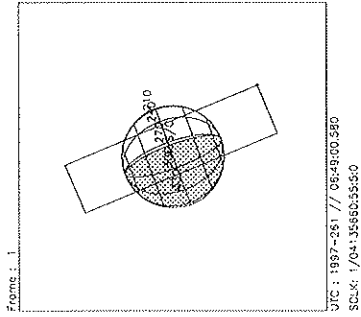
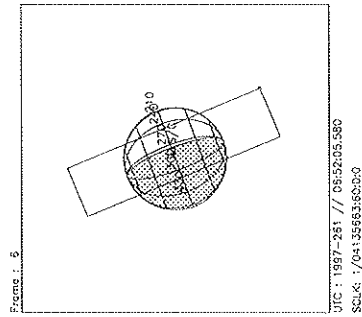
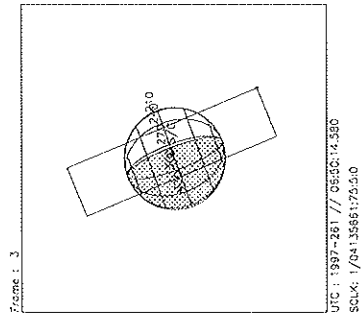
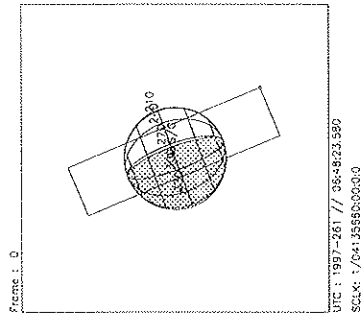
Target Body : iO
Target Cone/Clock : 130.59 / 96.68 Deg
S/C to Body Center : 1337634. Km (733.21141 Ri)
Z-axis Pointing (Ra / Dec) : 137.26 / 18.98 Deg

UVS EUROPA LONGITUDE (~250 deg)

ACTIVITY ID: 10EULON25001-

START TIME: 97-261/06:44:25.933

Activity ID: Orbit 10		OAPEL EULON250		SeqNo 01-	
Title UVS EUROPA LONGITUDE (~250 deg)		Instrument UVS			
Requestor UVS-SWG/W.SWEET 30523		Team UVS		Working Group SWG	
Time System CDS		Load ID 10A		Calendar Date 09/18/97 Week 38	
Start JEE-CDS 00000975:00:0		97-261/06:44:25.933		JEE-000/16:25:50.000	
End JEE-CDS 00000966:00:0		97-261/06:53:31.933		JEE-000/16:16:44.000	
Duration 00000009:00:0		000/00:09:06.000		000/00:09:06.000	
Top Label 10EULON25001-					
Bottom Label (real-time)					
Plot Key UVS		Type SCI			
CDS Bytes 148		Report Options BOTH		Scan Platform Yes	
CDS Source OAP		Spin State DUAL		DMS No	
Observation Objective					
		Observe Europa in the 1600Å to 3200Å wavelength regions at phase angles not obtainable from the Earth.			
		Target to body and stare at Europa using TMC in real-time at ~250 (287°) longitude and 103° phase angle using the UVS 10bps RTS rate.			
		UVS Configuration = F/F Full Scans			
		(17712 bits/flush) * 1 flush = 0.0177 mbtg			
		MBTG = 0.0177			
CDS RIM Command Parameters		Design Detail			
0	000 COMMENT UVS RIM 0	{384CG}			
28	003+UVFLUSH DISCRD,UVS	{349CQ}			
38	003 CMDRS	{157CQ}			
	004 1 34UVS,07,S,N,N,N,S,0, ON,OFF,OFF, ON,OFF,NOOVR,1,00,9C,00,00				
	009 6 34UVS,C1,F,N,N,N,S,0,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00				
54	004 TARGET with TMC on body	{165CN}			
28	008+UVFLUSH PACKET,UVS	{349CR}			



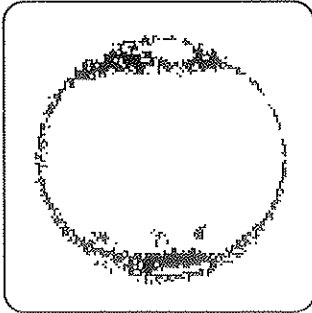
Start UTC_TIME : 1997-261 // 06:48:23.580
End UTC_TIME : 1997-261 // 06:53:26.913
Start SCLK : 1/04135660:00:00
Delta Time between FOV : 37.00000
FOVs : F Channel(0.1x0.4), N/G Channel(0.1x1.0)

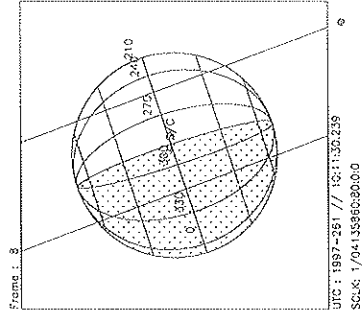
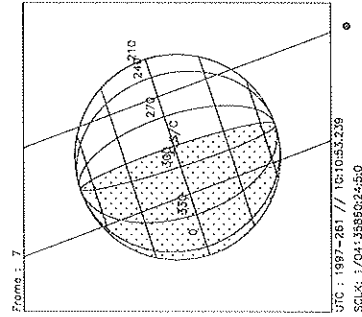
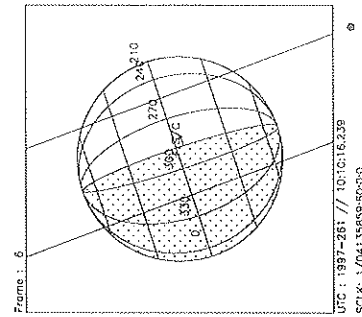
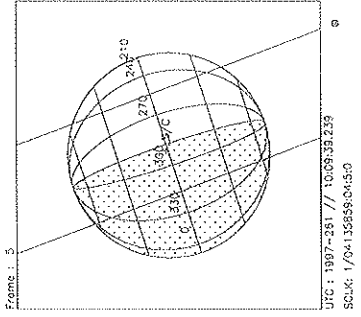
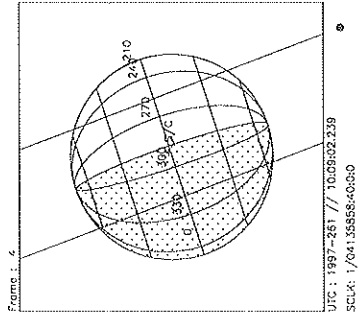
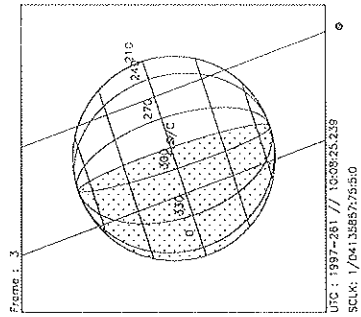
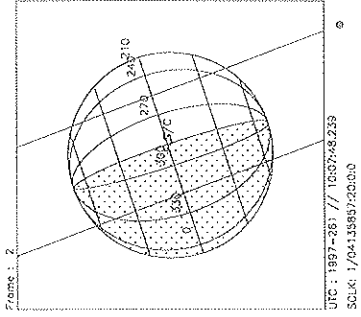
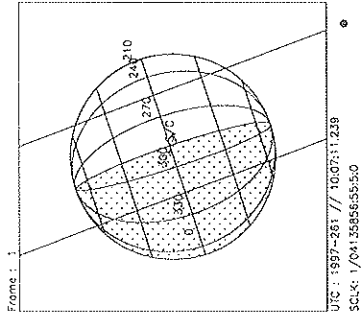
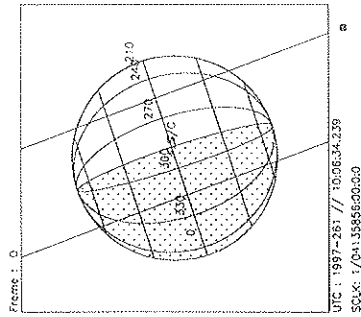
Target Body : EUROPA
Target Cone/Clock : 82.52 / 94.81 Deg
S/C to Body Center : 910134.0 Km (581.55530 Re)
Z-axis Pointing (Ro / Dec) : 137.25 / 19.00 Deg

UVS EUROPA LONGITUDE (~270 deg)

ACTIVITY ID: 10EULON27001-

START TIME: 97-261/10:02:36.600

Activity ID: Orbit 10	OAPEL EULON270	SeqNo 01-
Title	UVS EUROPA LONGITUDE (~270 deg)	Instrument UVS
Requestor	UVS-SWG/W.SWEET 30523	Team UVS Working Group SWG
Time System CDS	Load ID 10A	Calendar Date 09/18/97 Week 38
Start	JEE-CDS 00000779:00:0	97-261/10:02:36.600 JEE-000/13:07:39.333
End	JEE-CDS 00000770:00:0	97-261/10:11:42.600 JEE-000/12:58:33.333
Duration	00000009:00:0	000/00:09:06.000 000/00:09:06.000
Top Label	10EULON27001-	
Bottom Label	(real-time)	
Plot Key	UVS	Type SCI
CDS Bytes	148	Report Options BOTH Scan Platform Yes
CDS Source	OAP	Spin State DUAL DMS No
Observation Objective		
	Observe Europa in the 1600Å to 3200Å wavelength regions at phase angles not obtainable from the Earth.	
	Target to body and stare at Europa using TMC in real-time at ~270° (294') longitude and 96° phase angle using the UVS 10bps RTS rate.	
	UVS Configuration = P/F Full Scans	
	(17712 bits/Flush) * 1 flush = 0.0177 mbtg	
MBTG = 0.0177		
CDS RIM Command Parameters	Design Detail	
0 000 COMMENT UVS RIM 0	(384CH)	
28 003+UVFLUSH DISCRD,UVS	(349CS)	
38 003 CMDRS	(157CR)	
004 1 34UVS,07,S,N,N,N,S,0, ON,OFF,OFF, ON,OFF,NOOVR,1,00,9C,00,00		
009 6 34UVS,C1,F,N,N,N,S,0,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00		
54 004 TARGET with TMC on body	(165CO)	
28 008+UVFLUSH PACKET,UVS	(349CT)	



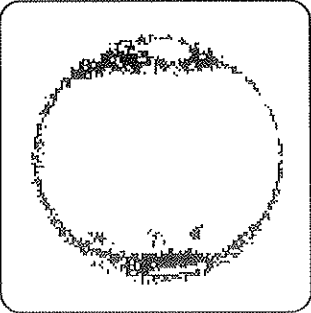
Start UTC_TIME : 1997-261 // 10:06:34.239
 End UTC_TIME : 1997-261 // 10:11:37.572
 Start SCLK : 1/04135856:00:00
 Delta Time between FOV : 37.00000
 FOVs : F Channel(0.1x0.4), N/G Channel(0.1x1.0)

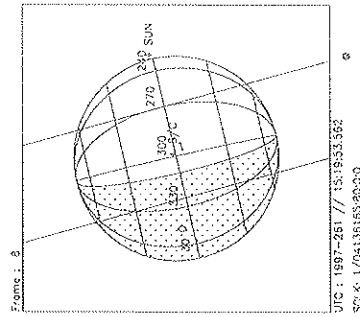
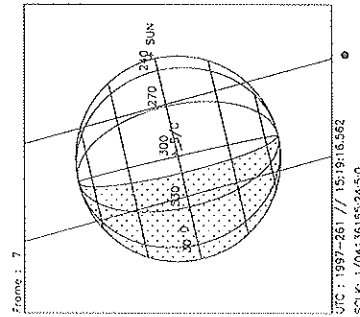
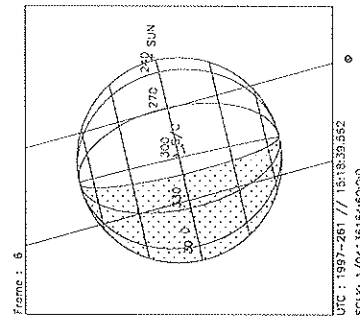
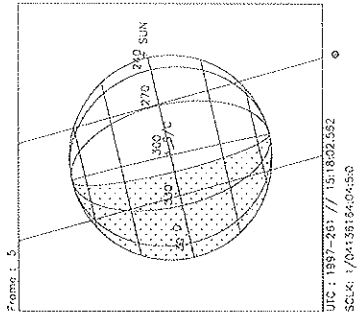
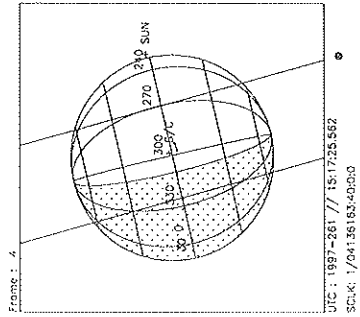
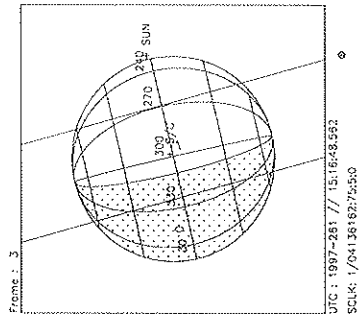
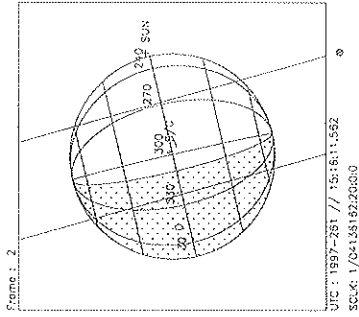
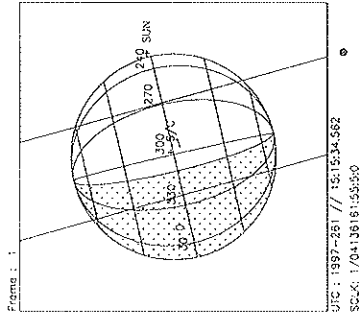
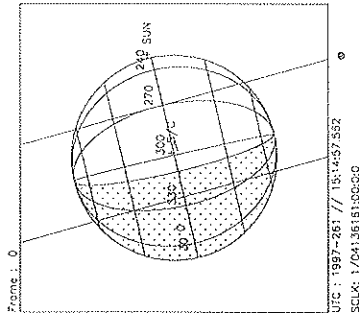
Target Body : EUROPA
 Target Cone/Clock : 89.42 / 95.03 Deg
 S/C to Body Center : 88753.7 Km (567.11253 Re)
 Z-axis Pointing (Ro / Dec) : 137.25 / 19.00 Deg

UVS EUROPA LONGITUDE (~290 deg)

ACTIVITY ID: 10EULON29001-

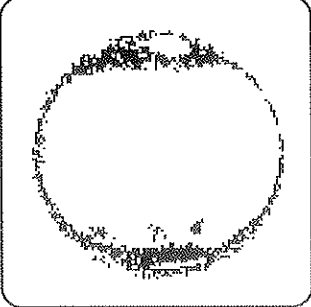
START TIME: 97-261/15:10:59.933

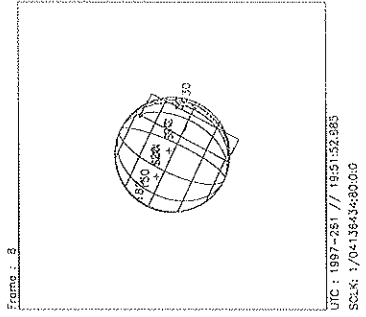
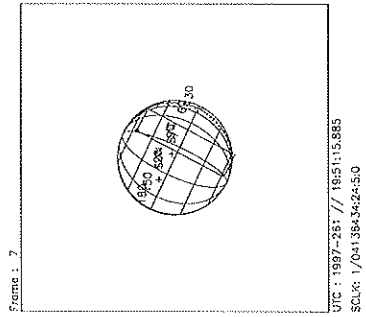
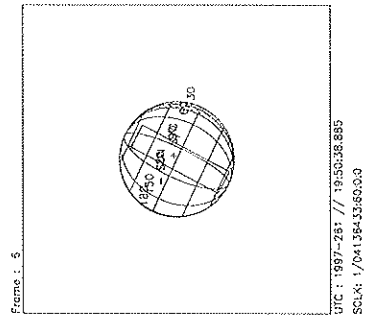
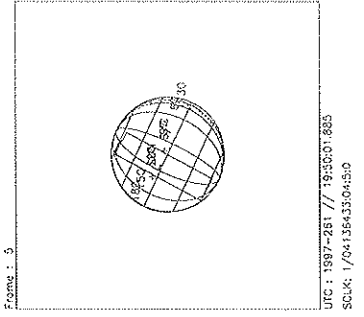
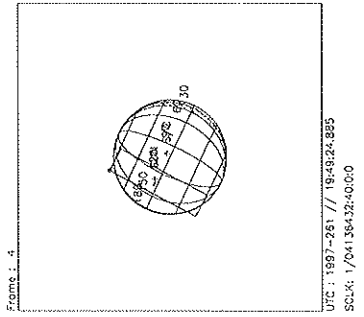
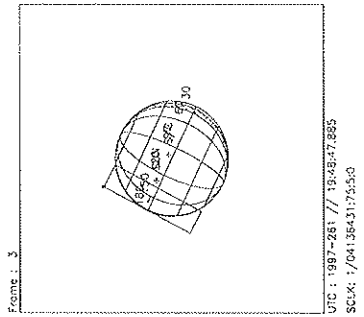
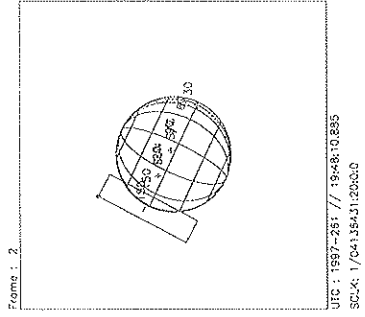
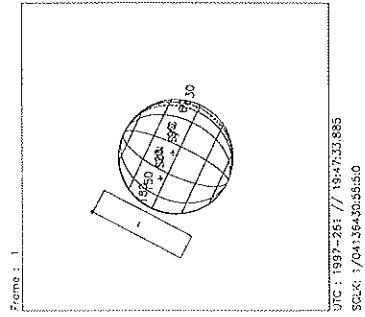
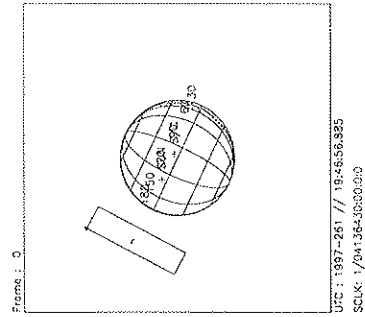
Activity ID:	Orbit 10	OAPEL EULON290	SeqNo	01-
Title	UVS EUROPA LONGITUDE (~290 deg)		Instrument	UVS
Requestor	UVS-SWG/W.SWEET 30523	Team	UVS	Working Group
			SWG	
Time System	CDS	Load ID	10A	Calendar Date
				09/18/97
				Week 38
Start	JEE-CDS 00000474:00:0		97-261/15:10:59.933	JEE-000/07:59:16.000
End	JEE-CDS 00000465:00:0		97-261/15:20:05.933	JEE-000/07:50:10.000
Duration	00000009:00:0		000/00:09:06.000	000/00:09:06.000
Top Label	10EULON29001-			
Bottom Label	(real-time)			
Plot Key	UVS	Type	SCI	
CDS Bytes	148	Report Options	BOTH	Scan Platform
				Yes
CDS Source	OAP	Spin State	DUAL	DMS
				No
Observation Objective				
	Observe Europa in the 1600A to 3200A wavelength regions at phase angles not obtainable from the Earth.			
	Target to body and stare at Europa using TMC in real-time at ~290° (300') longitude and 82° phase angle using the UVS 10bps RTS rate.			
	UVS Configuration = P/F Full Scans			
	(17712 bits/flush) * 1 flush = 0.0177 mbtg			
MBTG = 0.0177				
CDS	RJM	Command	Parameters	Design Detail
0	000	COMMENT	UVS RIM 0	{384CI}
28	003	+UVFLUSH	DISCRD,UVS	{349CU}
38	003	CMDRS		{157CS}
	004	1	34UVS,07,S,N,N,N,S,0, ON,OFF,OFF, ON,OFF,NOOVR,1,00,9C,00,00	
	009	6	34UVS,C1,P,N,N,N,S,0,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00	
54	004	TARGET	with TMC on body	{165CP}
28	008	+UVFLUSH	PACKET,UVS	{349CV}



Start UTC_TIME : 1997-261 // 15:14:57.562
 End UTC_TIME : 1997-261 // 15:20:00.895
 Start SCLK : 1/04136161:00:00
 Delta Time between FOV : 37.00000
 FOVs : F Channel(0.1x0.4), N/G Channel(0.1x1.0)

Target Body : EUROPA
 Target Cone/Clock : 103.94 / 95.51 Deg
 S/C to Body Center : 821157.1 Km (524.70105 Re)
 Z-axis Pointing (Ro / Dec) : 137.25 / 19.00 Deg

Activity ID: Orbit 10		OAPEL IUCHEMIS		SeqNo 03+	
Title	UVS R/A W/NIMS IO CHEMIS 3			Instrument	UVS
Requestor	UVS-SWG/W. SWEET X30523	Team	UVS	Working Group	SWG
Time System	CDS	Load ID	10A	Calendar Date	09/18/97
				Week	38
Start	IEE-CDS 00000535:00:0		97-261/19:43:00.480	IEE-000/09:00:56.666	
End	IEE-CDS 00000526:00:0		97-261/19:52:06.480	IEE-000/08:51:50.666	
Duration	00000009:00:0		000/00:09:06.000	000/00:09:06.000	
Top Label	10IUCHEMIS03+				
Bottom Label	(ride-along)				
Plot Key	UVS	Type	SCI		
CDS Bytes	38	Report Options	BOTH	Scan Platform	Yes
CDS Source	OAP	Spin State	DUAL	DMS	Yes
Observation Objective					
	Ride-along with the NIMS Io Chemis observation to observe Io in the 1600Å to 3200Å wavelength regions at phase angles not obtainable from the Earth. Data will supplement and complement the NIMS surface property measurements.				
	Playback of this observation will require [(1008 bps) * (4.98 RIMS) * (60.667 s/RIM)] = 0.305 Mbits of UVS data.				
	UVS Configuration = F/F Full Scans Rj=9, compression ~2.5 MBTG = 0.123				
Design Detail					
CDS RIM	Command	Parameters			
0	003	TARGET (NIMS Target)			
0	001	SCIREC (NIMS scirec)			
38	004	CMDRS (157CZ)			
	005	1 34UVS,07,S,N,N,N,S,0, ON,OFF,OFF, ON,OFF,NOOVR,1,00,9C,00,00			
	010	5 34UVS,C1,F,N,N,N,S,0,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00			



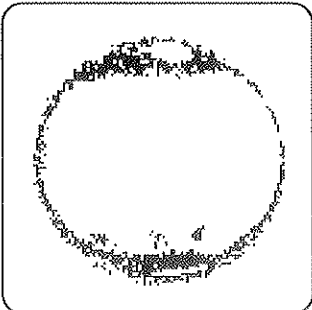
Start UTC_TIME : 1997-261 // 19:46:56.885
End UTC_TIME : 1997-261 // 19:52:00.218
Start SCLK : 1/04136430:0:0
Delta Time between FOV : 37.00000
FOVs : F Channel(0.1x0.4), N/G Channel(0.1x1.0)

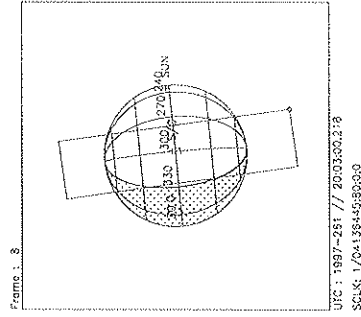
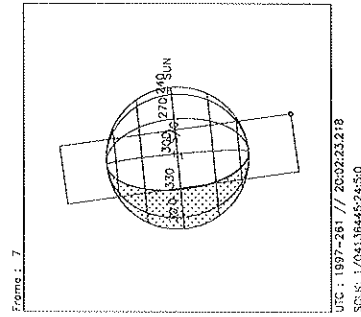
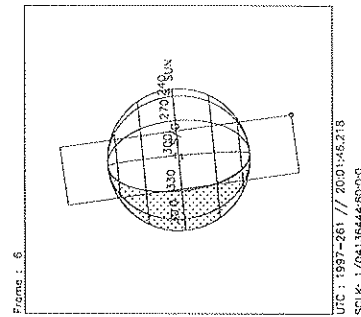
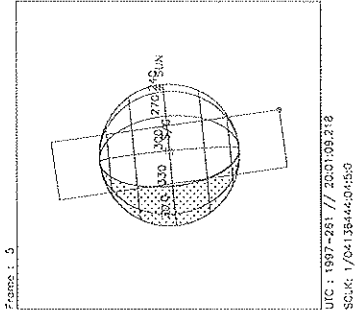
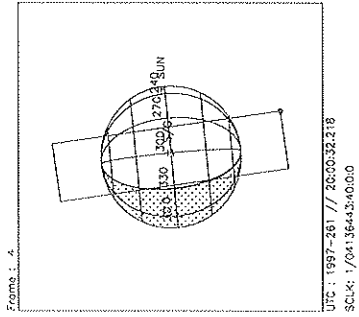
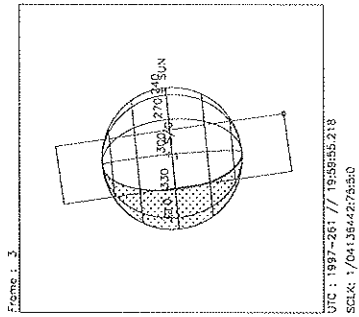
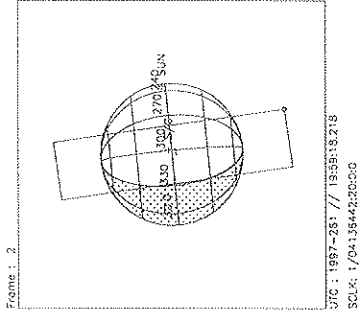
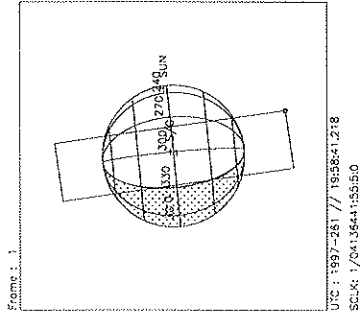
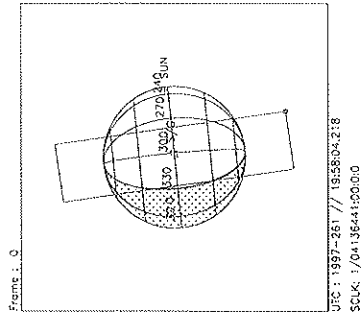
Target Body : iO
Target Cone/Clock : 144.68/272.27 Deg
S/C to Body Center : 447420.2 Km (245.24913 Ri)
Z-axis Pointing (Ro / Dec) : 137.22 / 18.98 Deg

UVS EUROPA LONGITUDE (~300 deg)

ACTIVITY ID: 10EULON30001-

START TIME: 97-261/19:50:03.933

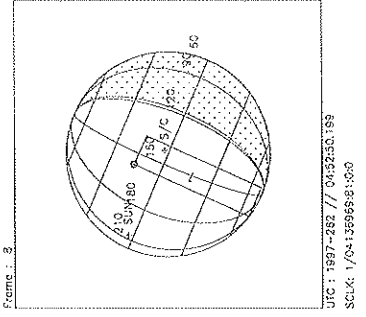
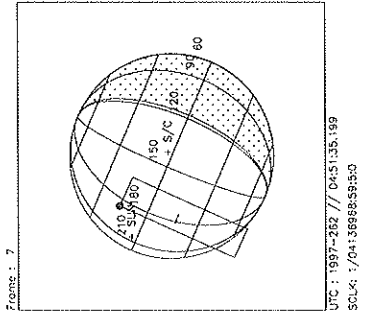
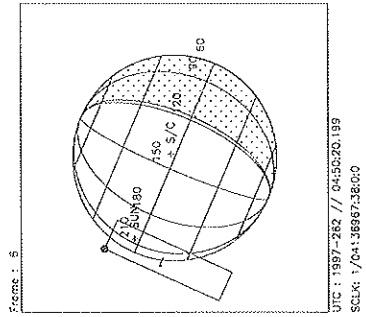
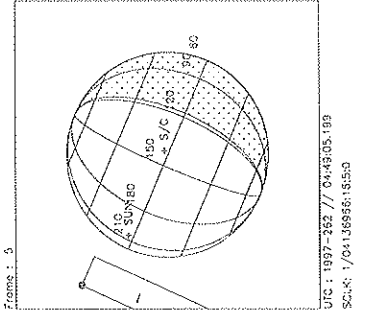
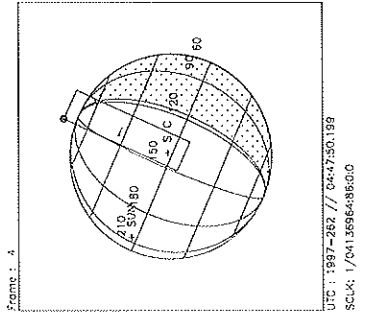
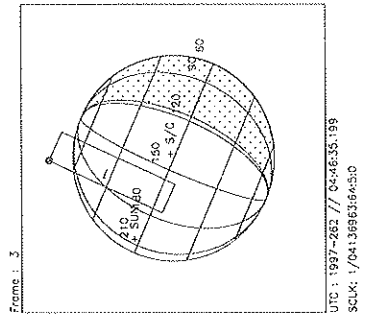
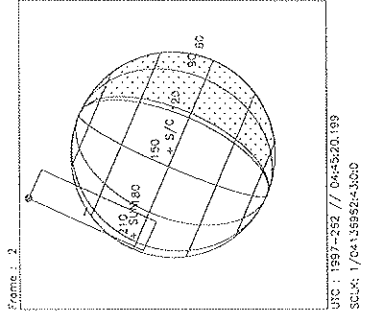
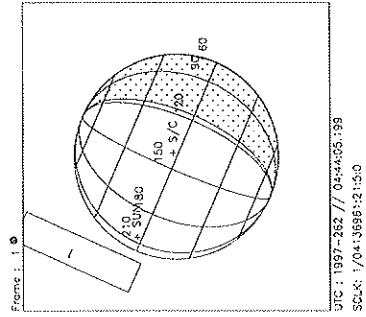
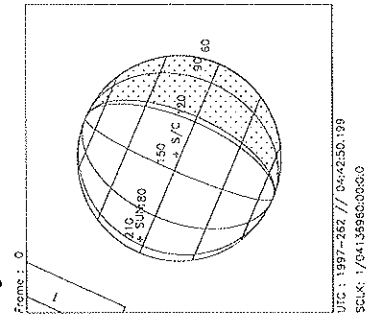
Activity ID: Orbit 10	OAPEL EULON300	SeqNo 01-
Title UVS EUROPA LONGITUDE (~300 deg)	Instrument UVS	
Requestor UVS-SWG/W.SWEET 30523	Team UVS	Working Group SWG
Time System CDS	Load ID 10A	Calendar Date 09/18/97 Week 38
Start JEE-CDS 00000198:00:0	97-261/19:50:03.933	JEE-000/03:20:12.000
End JEE-CDS 00000189:00:0	97-261/19:59:09.933	JEE-000/03:11:06.000
Duration 00000009:00:0	000/00:09:06.000	000/00:09:06.000
Top Label 10EULON30001-		
Bottom Label (real-time)		
Plot Key UVS	Type SCI	
CDS Bytes 148	Report Options BOTH	Scan Platform Yes
CDS Source OAP	Spin State DUAL	DMS No
Observation Objective		
	Observe Europa in the 1600Å to 3200Å wavelength regions at phase angles not obtainable from the Earth.	
	Target to body and stare at Europa using TMC in real-time at ~300° (303°) longitude and 64° phase angle using the UVS 10bps RTS rate.	
	UVS Configuration = F/F Full Scans	
	(17712 bits/flush) * 1 flush = 0.0177 mbtg	
	MBTG = 0.0177	
CDS RIM Command Parameters	Design Detail	
0 000 COMMENT UVS RIM 0	(384CJ)	
28 003+UVFLUSH DISCRD,UVS	(349CW)	
38 003 CMDRS	(157CT)	
004 1 34UVS,07,S,N,N,N,S,0, ON,OFF,OFF, ON,OFF,NOOVR,1,00,9C,00,00		
009 6 34UVS,C1,F,N,N,N,S,0,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00		
54 004 TARGET with TMC on body	(165CQ)	
28 008+UVFLUSH PACKET,UVS	(349CX)	



Start UTC_TIME : 1997-261 // 19:58:04.218
End UTC_TIME : 1997-261 // 20:03:07.551
Start SCLK : 1/04136441:00:0:0
Delta Time between FOV : 37.00000
FOVs : F Channel(0.1x0.4), N/G Channel(0.1x1.0)

Target Body : EUROPA
Target Cone/Clock : 121.76 / 96.19 Deg
S/C to Body Center : 736690.8 Km (470.72883 Re)
Z-axis Pointing (Ro / Dec) : 157.25 / 19.00 Deg

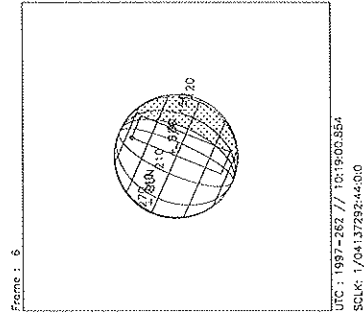
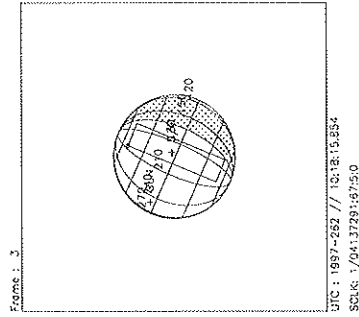
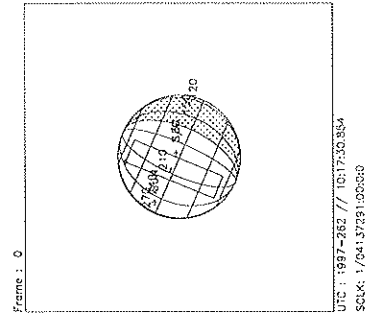
Activity ID:	Orbit 10	OAPEL IUHRSPEC	SeqNo	01+
Title	UVS R/A W/ NIMS IO HIGH SPECTRAL RESOLUT		Instrument	UVS
Requestor	UVS-SWG/W.SWEET 30523	Team	UVS	Working Group
				SWG
Time System	CDS	Load ID	10A	Calendar Date
				09/19/97
				Week 38
Start	IEE-CDS 00000004:00:0		97-262/04:39:54.480	IEE-000/00:04:02.666
End	IEE+CDS 00000010:00:0		97-262/04:54:03.812	IEE+000/00:10:06.666
Duration	00000014:00:0		000/00:14:09.332	000/00:14:09.332
Top Label	10IUHRSPEC01+			
Bottom Label	(recorded)			
Plot Key	UVS	Type	SCI	
CDS Bytes	38	Report Options	BOTH	Scan Platform
				Yes
CDS Source	OAP	Spin State	DUAL	DMS
				Yes
Observation Objective				
	Ride-along with the NIMS Io High Resolution observation to observe Io in the 1600Å to 3200Å wavelength regions at phase angles not obtainable from the Earth. Data will supplement and complement the NIMS surface property measurements.			
	Playback of this observation will require [(1008 bps) * (10 RIMS) * (60.657 s/RIM)] = 0.612 Mbits of UVS data.			
	UVS Configuration = F/F Full Scans Rj=9.8compression -2.0 MBTG = 0.306			
Design Detail				
CDS RIM	Command	Parameters		
0	004	TARGET (NIMS Target)		
0		CSMOS (NIMS Csmos)		
0	004	SCIREC (NIMS Scirec)		
38	003	CMDRS (157CY)		
	004	1 34UVS,07,S,N,N,N,S,0, ON,OFF,OFF, ON,OFF,NOOVR,1,00,9C,00,00		
	014	10 34UVS,C1.F,N,N,N,S,0,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00		



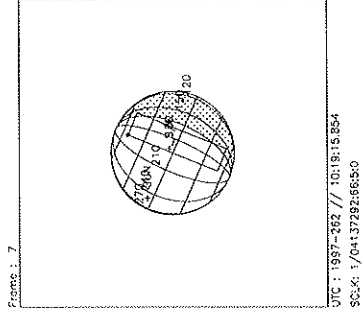
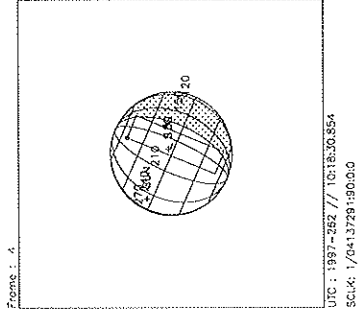
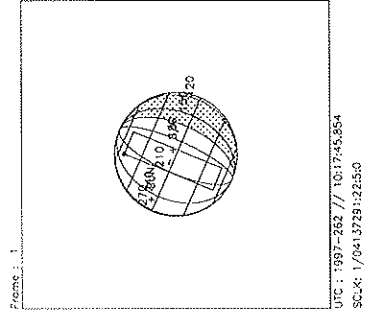
Start UTC_TIME : 1997-262 // 04:42:50.199
End UTC_TIME : 1997-262 // 04:52:56.866
Start SCLK : 1/04135960:00:0
Delta Time between FOV : 75.00000
FOVs : F Channel(0.1x0.4), N/G Channel(0.1x1.0)

Target Body : IO
Target Core/Clock : 109.84/274.51 Deg
S/C to Body Center : 319692.3 Km (175.23629 RI)
Z-axis Pointing (Ra / Dec) : 137.27 / 18.98 Deg

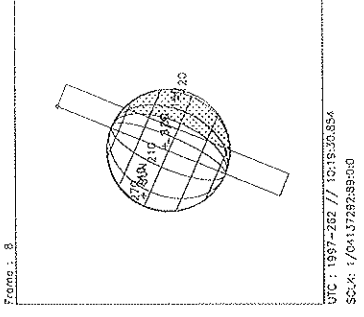
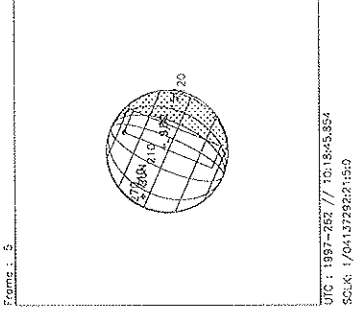
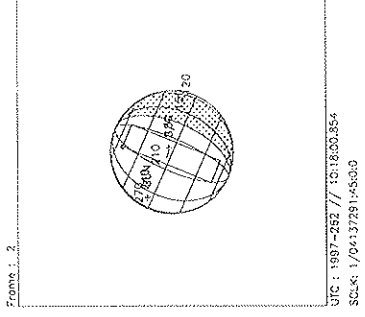
Activity ID:	Orbit 10	OAPEL IUVOLCAN	SeqNo	03+
Title	UVS R/A W/ NIMS IO VOLCANO 3		Instrument	UVS
Requestor	UVS-SWG/W.SWEET 30523	Team	UVS	Working Group
			SWG	
Time System	CDS	Load ID	10A	Calendar Date
				09/19/97
				Week
				38
Start	IEE+CDS 00000328:00:0		97-262/10:15:35.812	IEE+000/05:31:38.666
End	IEE+CDS 00000332:00:0		97-262/10:19:38.479	IEE+000/05:35:41.333
Duration	00000004:00:0		000/00:04:02.667	000/00:04:02.667
Top Label	10IUVOLCAN03+			
Bottom Label	(recorded)			
Plot Key	UVS	Type	SCI	
CDS Bytes	38	Report Options	BOTH	Scan Platform
				Yes
CDS Source	OAP	Spin State	DUAL	DMS
				Yes
Observation Objective				
 <p>Ride-along with the NIMS Io Volcano observation to observe Io in the 1600Å to 3200Å wavelength regions at phase angles not obtainable from the Earth. Data will supplement and complement the NIMS surface property measurements.</p> <p>Playback of this observation will require $[(1008 \text{ bps}) * (1.46 \text{ RIMS}) * (60.667 \text{ s/RIM})] = 0.089 \text{ Mbits}$ of UVS data.</p> <p>UVS Configuration = F/F Full Scans Rj=10, compression -2.5 MBTG = 0.036</p>				
Design Detail				
CDS	RIM	Command	Parameters	
0	001	TARGET	(NIMS Target)	
0		CSMOS	(NIMS Csmos)	
0	002	SCIREC	(NIMS Scirec)	
38	003	CMDRS	(157CX)	
	004	1	34UVS,07,S,N,N,N,S,G, ON,OFF,OFF, ON,OFF,NOOVR,1,00,9C,00,00	
	006	3	34UVS,C1,F,N,N,N,S,G,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00	

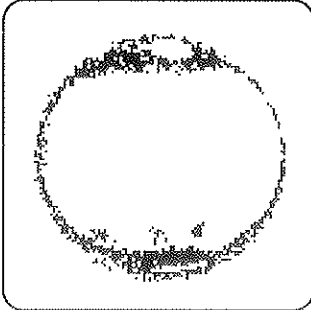


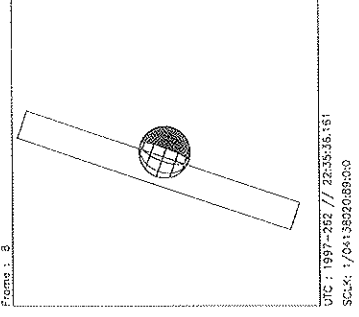
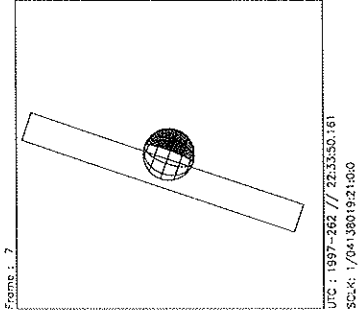
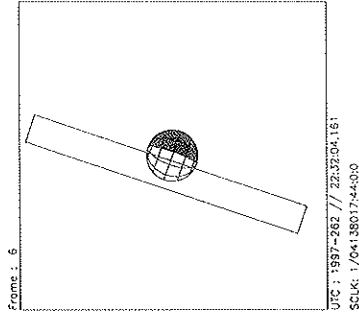
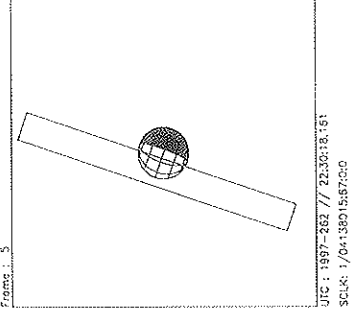
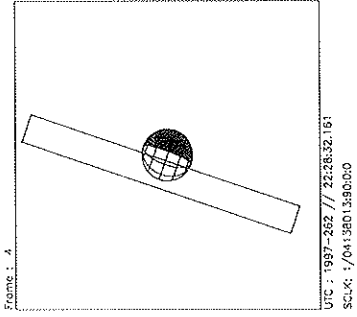
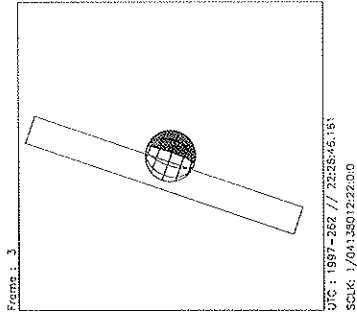
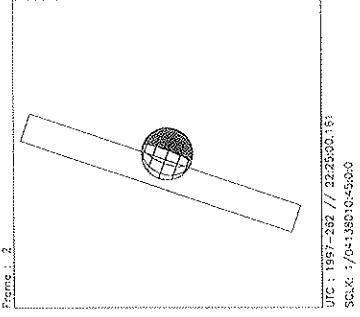
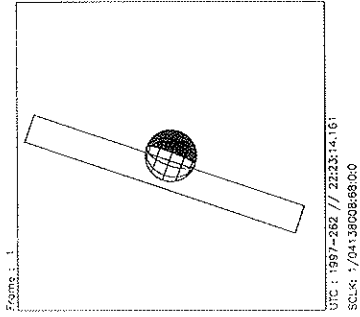
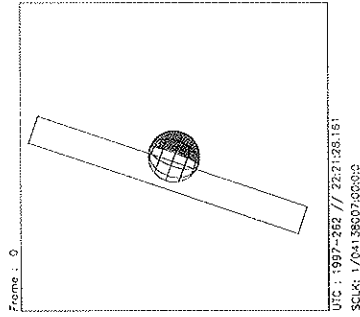
Start UTC_TIME : 1997-262 // 10:17:30.854
End UTC_TIME : 1997-262 // 10:19:32.187
Start SCLK : 1/0413729100000
Delta Time between FOV : 15.00000
FOVs : F Channel(0.1x0.4), N/G Channel(0.1x1.0)



Target Body : IO
Target Cone/Clock : 139.53/280.72 Deg
S/C to Body Center : 403726.0 Km (221.29857 Ri)
Z-axis Pointing (Ro / Dec) : 161.75 / 7.00 Deg

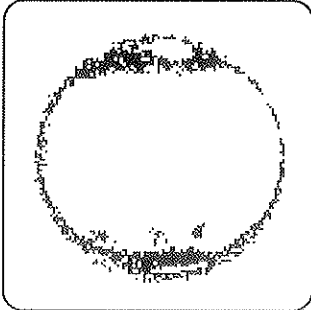


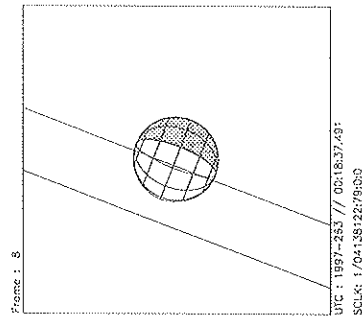
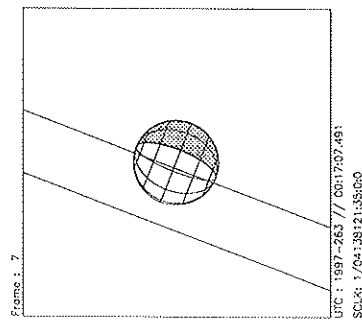
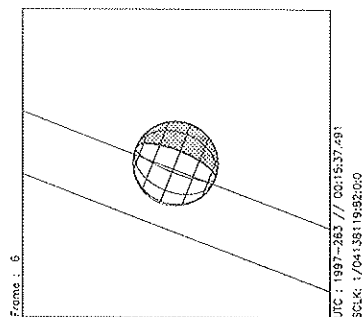
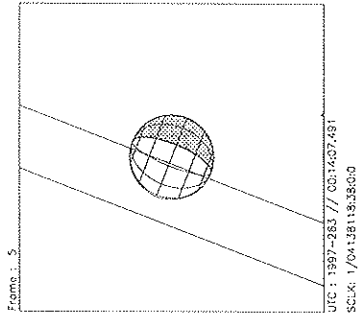
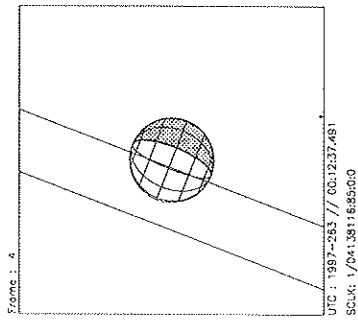
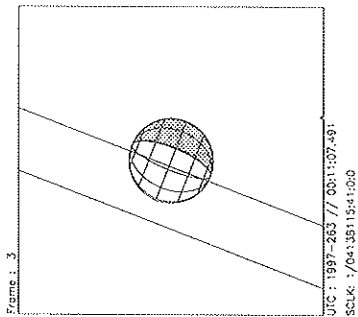
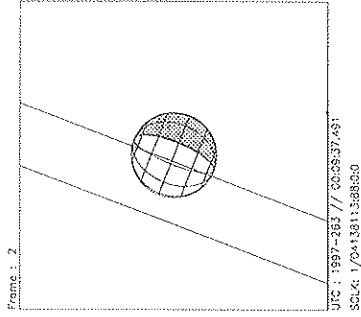
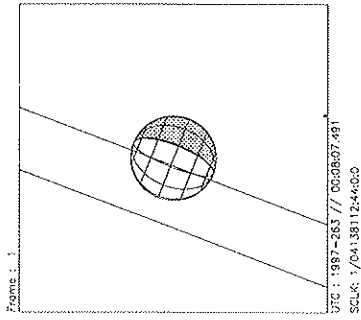
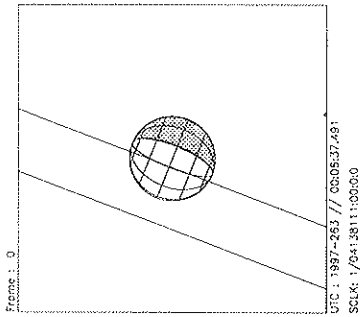
Activity ID:	Orbit 10	OAPEL IUIODARK	SeqNo	01-			
Title	UVS IO ECLIPSE 01		Instrument	UVS			
Requestor	UVS-SWG/W.SWEET 30523	Team	UVS	Working Group	SWG		
Time System	CDS	Load ID	10A	Calendar Date	09/19/97	Week	38
Start	JEE+CDS 00001372:00:0		97-262/22:17:30.599		JEE+000/23:07:14.666		
End	JEE+CDS 00001391:00:0		97-262/22:36:43.266		JEE+000/23:26:27.333		
Duration	00000019:00:0		000/00:19:12.667		000/00:19:12.667		
Top Label	10IUIODARK01-						
Bottom Label	(real-time)						
Plot Key	UVS	Type	SCI				
CDS Bytes	148	Report Options	BOTH		Scan Platform	Yes	
CDS Source	OAP	Spin State	DUAL		DMS	No	
Observation Objective							
		UVS real-time Io Eclipse observation. Obtain UVS G-Channel data while Io is being eclipsed by Jupiter. Data will be used to characterize the lower atmospheric UV airglow emissions of Io while in eclipse.					
		10IUIODARK01- Io eclipse measurement. Target and stare at Io using TMC in real-time using the UVS 10 bps RTS rate.					
		UVS Configuration = 1364-1479 Å 16 step G/G (17712 bits/flush) * 1 flush = 0.0177 mbtg MBTG = 0.0177					
CDS RIM Command Parameters				Design Detail			
0	000	COMMENT	UVS RIM 0				(384CK)
28	003	+UVFLUSH	DISCRD,UVS				(349CY)
54	004	TARGET	with TMC on body				(165CR)
38	003	CMDRS					(157CU)
	004	1	34UVS,DI,F,N,N,N,S,0,OFF,OFF, ON, ON,OFF,NOOVR,1,94,45,00,73				
	016	13	34UVS,CI,F,N,N,N,S,0,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00				
28	015	+UVFLUSH	PACKET,UVS				(349C2)



Start UTC_TIME : 1997-262 // 22:21:28.161
 End UTC_TIME : 1997-262 // 22:35:37.494
 Start SCLK : 1/04138007:00:00
 Delta Time between FOV : 106.0000
 FOVs : F Channel(0.1x0.4), N/G Channel(0.1x1.0)

Target Body : IO
 Target Cone/Clock : 122.06/280.29 Deg
 S/C to Body Center : 1149591. Km (630.13725 Ri)
 Z-axis Pointing (Ro / Dec) : 161.75 / 7.00 Deg

Activity ID: Orbit 10	OAPEL EUEURDRK	SeqNo 02-
Title	UVS EUROPA ECLIPSE 02	Instrument UVS
Requestor	UVS-SWG/W.SWEET 30523	Team UVS Working Group SWG
Time System CDS	Load ID 10A	Calendar Date 09/20/97 Week 38
Start	JEE+CDS 00001476:00:0	97-263/00:02:39.933 JEE+001/00:52:24.000
End	JEE+CDS 00001492:00:0	97-263/00:18:50.599 JEE+001/01:08:34.666
Duration	00000016:00:0	000/00:16:10.666 000/00:16:10.666
Top Label	10EUEURDRK02-	
Bottom Label	(real-time)	
Plot Key	UVS	Type SCI
CDS Bytes	148	Report Options BOTH Scan Platform Yes
CDS Source	OAP	Spin State DUAL DMS No
Observation Objective		
	UVS real-time Europa Eclipse observation. Obtain UVS G-Channel to search for O and H while Europa is being eclipsed by Jupiter. Data will be used to characterize the lower atmospheric UV airglow emissions of Europa while in eclipse.	
	10EUEURDRK02- Europa eclipse measurement. Target and stare at Europa using TMC in real-time using the UVS 10 bps RTS rate.	
	UVS Configuration = 1216/1304 Å 16-step mini-scan G/G (17712 bits/flush) * 1 flush = 0.0177 mbtg MBTG = 0.0177	
Design Detail		
CDS RIM Command Parameters	Psic	
0 000 COMMENT UVS RIM 0	(384CL)	
28 003+UVFLUSH DISCRD,UVS	(349DA)	
54 004 TARGET with TMC on body	(165CS)	
38 003 CMDRS	(157CV)	
004 1 34UVS,D1,F,N,N,N,S,0,OFF,OFF, ON, ON,OFF,NOOVR,1,5A,45,00,39		
016 13 34UVS,C1,F,N,N,N,S,0,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00		
28 015+UVFLUSH PACKET,UVS	(349DB)	



Start UTC_TIME : 1997-263 // 00:06:37.491
End UTC_TIME : 1997-263 // 00:18:45.491
Start SCLK : 1/0413811:00:00
Delta Time between FOV : 90.00000
FOVs : F Channel(0.1x0.4), N/G Channel(0.1x1.0)

Target Body : EUROPA
Target Cone/Clock : 103.60/274.66 Deg
S/C to Body Center : 1228085. Km (784.71883 Re)
Z-axis Pointing (Rc / Dec) : 137.25 / 19.00 Deg