

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

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

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

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**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

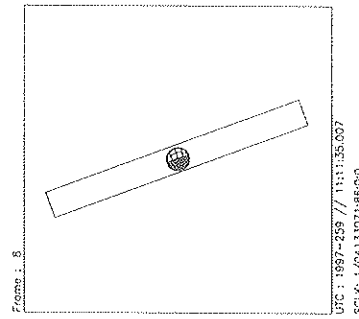
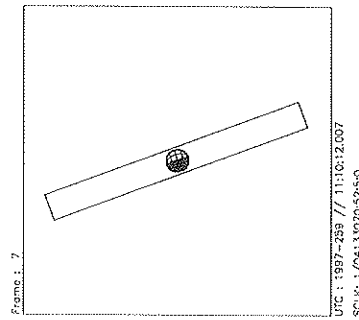
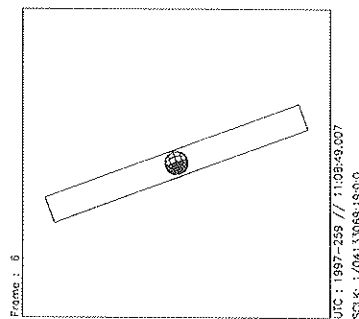
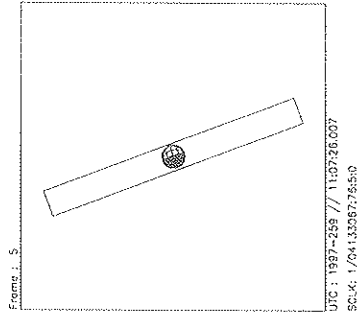
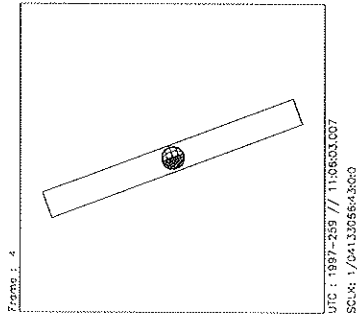
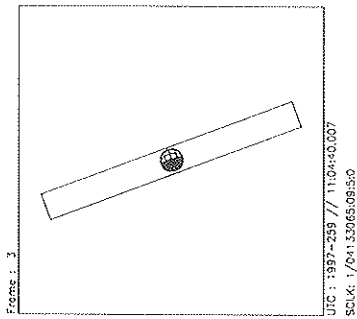
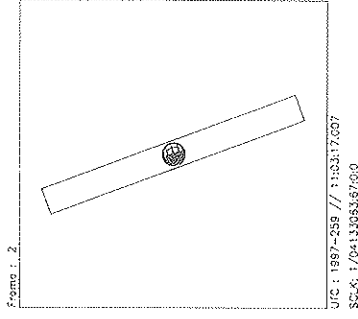
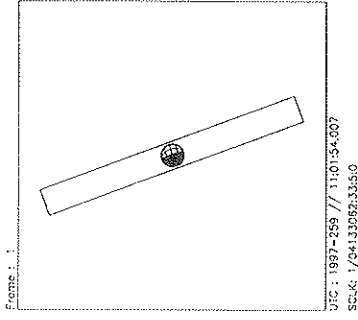
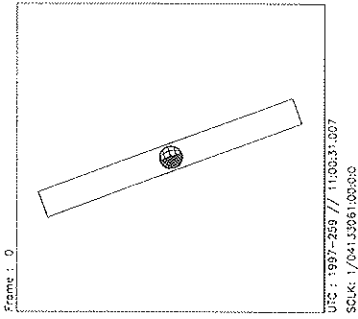
(17712 bits/flush) \* 1 flush = 0.0177 mbtg

MBTG = 0.0177

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**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 : 1/04133061000:00  
 Delta Time between FOV : 83.000000  
 FOVs : F Channel(0.1x0.4), N/G Channel(0.1x1.0)

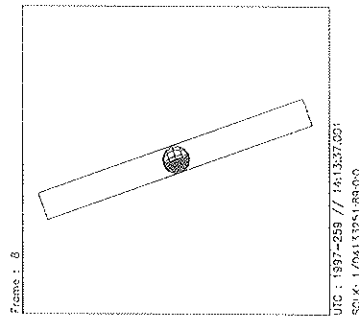
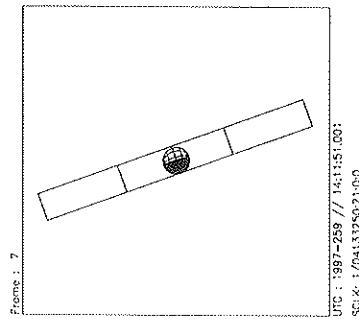
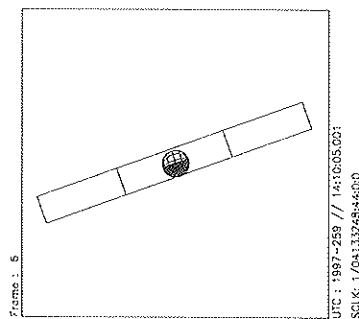
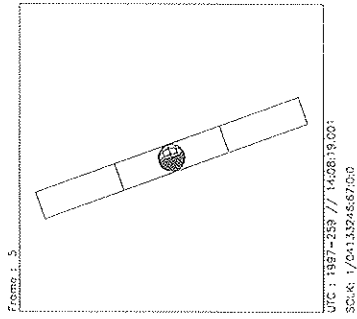
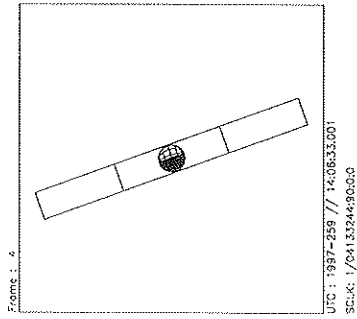
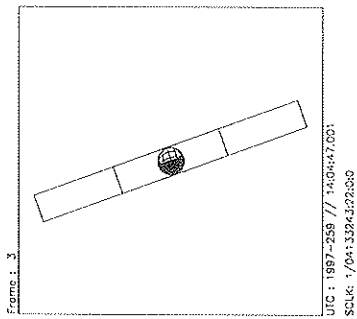
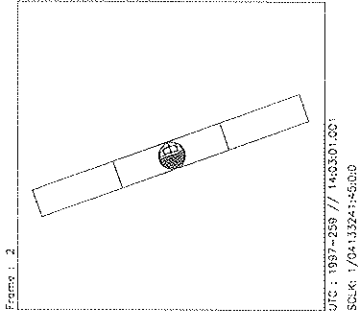
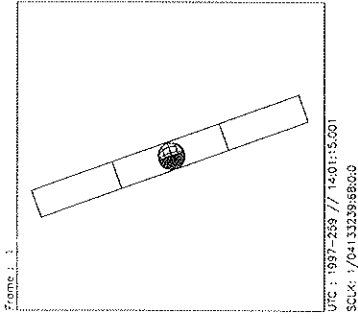
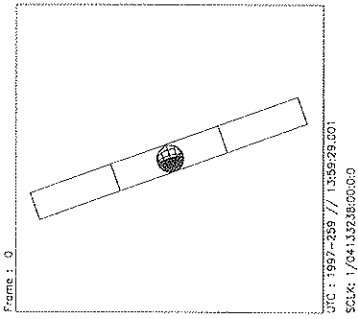
Target Body : EUROPA  
 Target Cone/Clock : 90.18 / 95.39 Deg  
 S/C to Body Center : 209695. Km ( 1339.9103 Re )  
 Z-axis Pointing ( Ra / Dec ) : 137.25 / 19.00 Deg

UVS EUROPA PHASE (~93 deg)

ACTIVITY ID: 10EUPHAS9301-

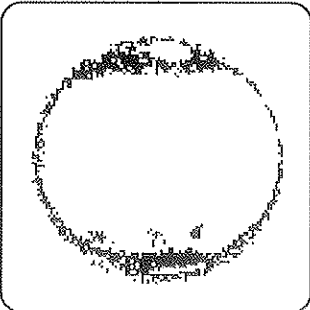
START TIME: 97-259/13:55:31.267

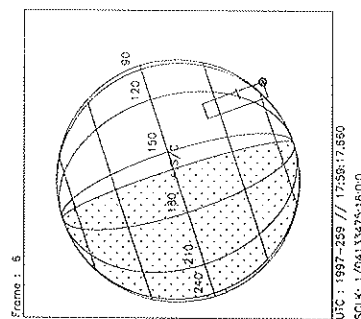
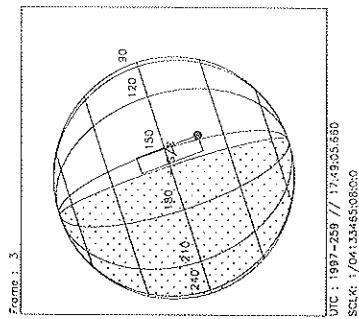
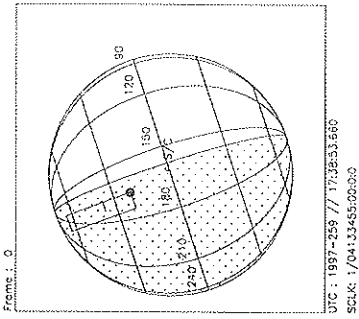
<b>Activity ID:</b> Orbit 10		OAPEL EUPHAS93		<b>SeqNo</b> 01-	
<b>Title</b>		UVS EUROPA PHASE (~93 deg)		<b>Instrument</b> UVS	
<b>Requestor</b>		UVS-SWG/W.SWEET 30523		<b>Team</b> UVS	
				<b>Working Group</b> SWG	
<b>Time System</b> CDS		<b>Load ID</b> 10A		<b>Calendar Date</b> 09/16/97	
				<b>Week</b> 38	
<b>Start</b>		JEE-CDS 00003397:00:0		97-259/13:55:31.267	
				JEE-002/09:14:44.666	
<b>End</b>		JEE-CDS 00003379:00:0		97-259/14:13:43.267	
				JEE-002/08:56:32.666	
<b>Duration</b>		00000018:00:0		000/00:18:12.000	
				000/00:18:12.000	
<b>Top Label</b>		10EUPHAS9301-			
<b>Bottom Label</b>		(real-time)			
<b>Plot Key</b>		UVS		<b>Type</b> SCI	
<b>CDS Bytes</b>		148		<b>Report Options</b> BOTH	
				<b>Scan Platform</b> Yes	
<b>CDS Source</b>		OAP		<b>Spin State</b> DUAL	
				<b>DMS</b> No	
<b>Observation Objective</b>					
<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>					
<b>Design Detail</b>					
CDS RIM Command Parameters				PSID	
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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)	



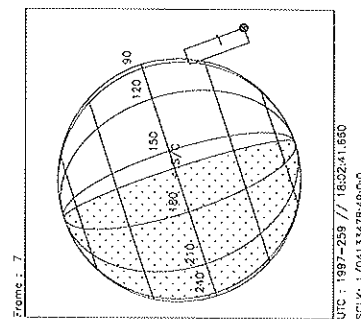
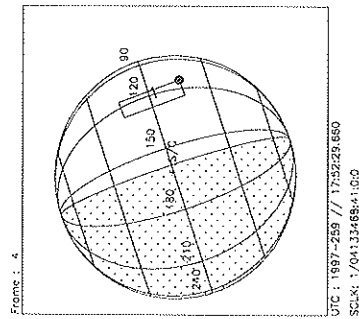
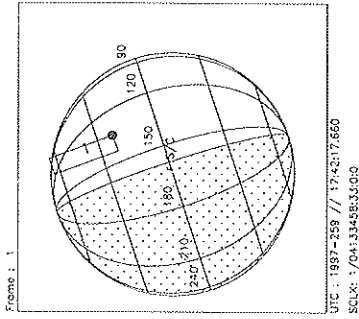
Start UTC\_TIME : 1997-259 // 13:59:29.001  
 End UTC\_TIME : 1997-259 // 14:15:38.334  
 Start SCLK : 1/0413328:00:0:0  
 Delta Time between FOV : 106.0000  
 FOVs : F Channel(0.1x0.4), N/G Channel(0.1x1.0)

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

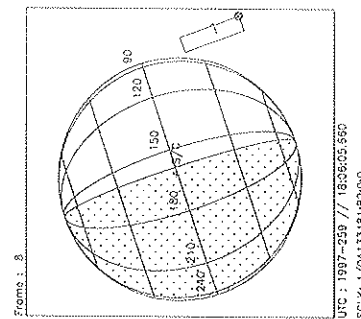
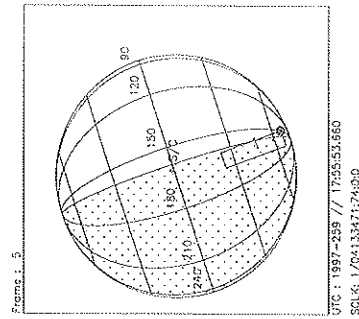
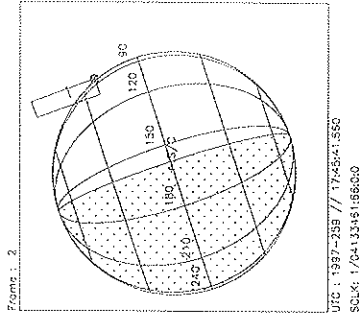
Activity ID: Orbit 10	OAPEL CUGLOBAL	SeqNo 01+
Title UVS R/A W/ NIMS CALLISTO GLOBAL 01	Instrument UVS	
Requestor UVS-SWG/W.SWEET 30523	Team UVS	Working Group SWG
Time System CDS	Load ID 10A	Calendar Date 09/16/97 Week 38
Start CTE-CDS 00000400:08:0	97-259/17:34:50.733	CTE-000/06:44:32.000
End CTE-CDS 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
<b>Observation Objective</b>		
	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.	
	UVS Configuration = F/F Full Scans	
	PE D/L Mbits = (1008 bps) (25 rims)(60.667 s/RIM) = 1.5288 Mbit	
	RJ = 28.6, compression 1.54 MBTG = 0.993	
<b>Design Detail</b>		
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



Start UTC\_TIME : 1997-259 // 17:38:53.660  
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)



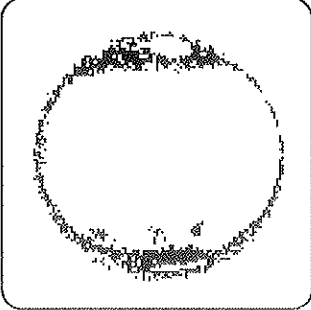
Target Body : CALLISTO  
Target Cone/Clock : 89.99 / 95.39 Deg  
S/C to Body Center : 191231.3 Km ( 79.560236 Rc )  
Z-axis Pointing ( Ra / Dec ) : 137.25 / 19.00 Deg



UVS EUROPA LONGITUDE (~100 deg)

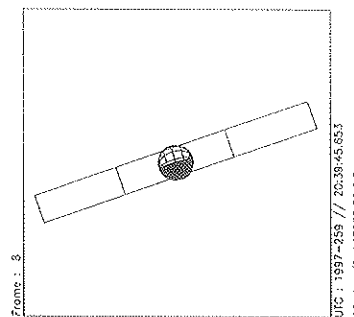
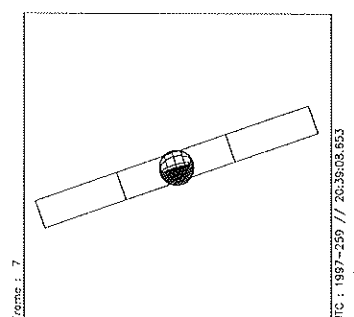
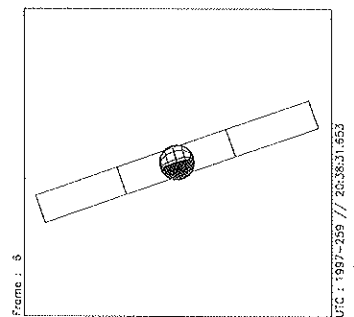
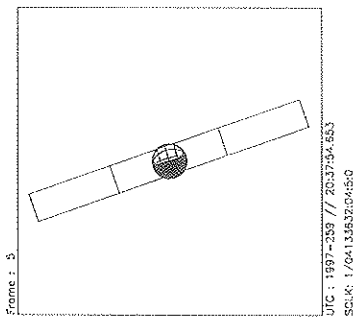
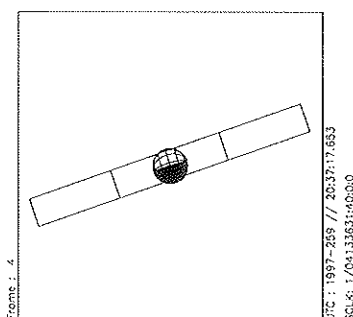
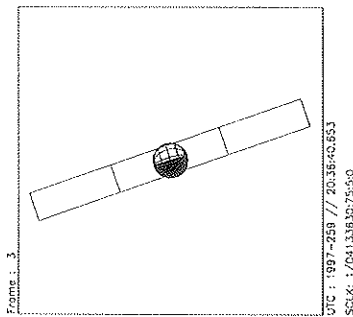
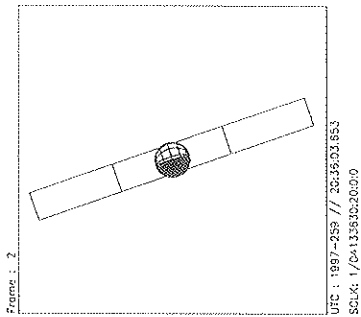
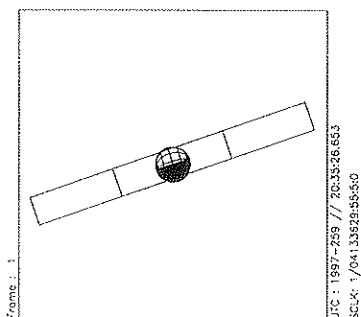
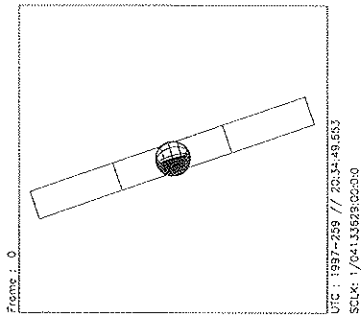
ACTIVITY ID: 10EULON10001-

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
<b>Observation Objective</b>		
	<p>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.</p> <p>Target and stare at Europa with TMC in real-time at ~100° (131°) longitude and 92° phase angle 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>	
	<b>Design Detail</b>	
	<pre> CDS RIM Command Parameters ----- 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)           </pre>	
	<p>GalileoActivityPlanForm</p>	

11/05/97

08:45:24



Start UTC\_TIME : 1997-259 // 20:34:49.653  
 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

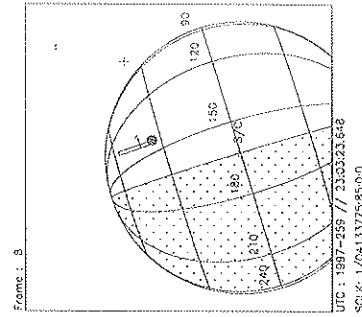
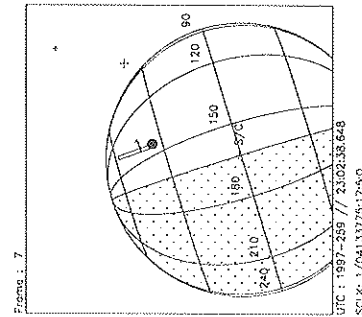
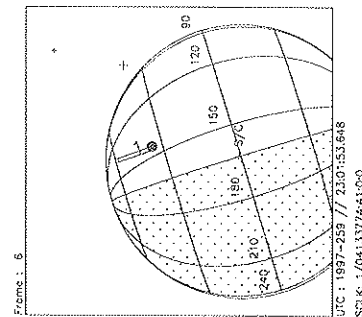
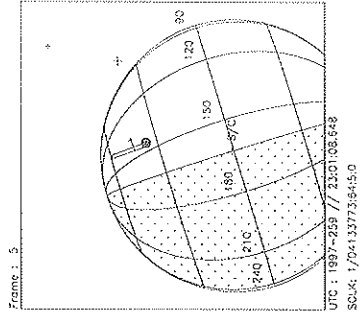
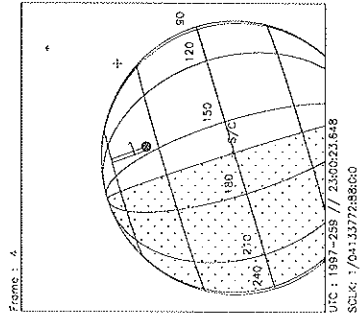
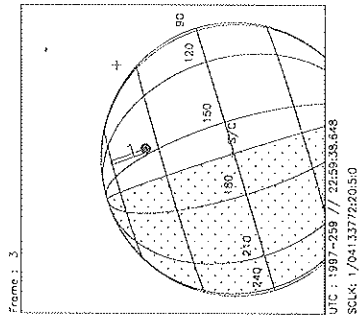
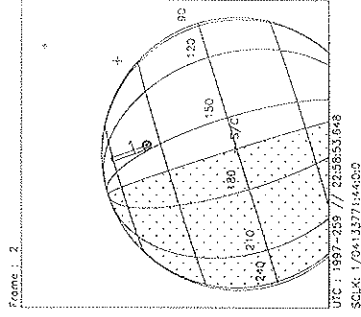
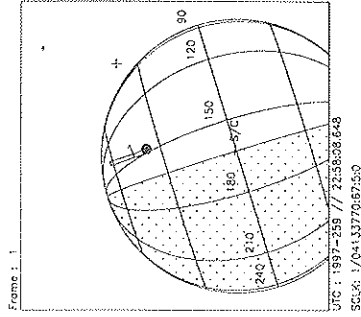
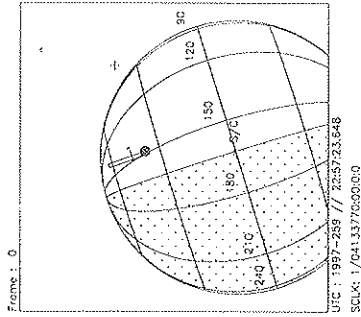


UVS CALLISTO NORTH LATITUDE

ACTIVITY ID: 10CUNOLAT\_01-

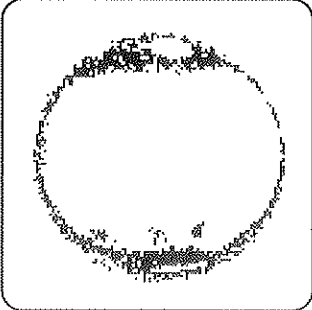
START TIME: 97-259/22:53:26.067

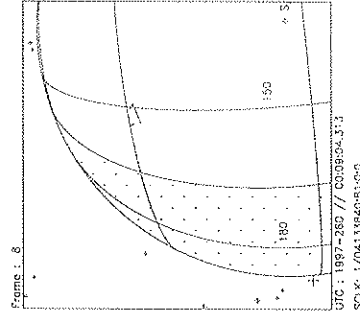
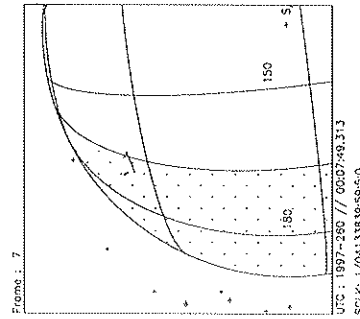
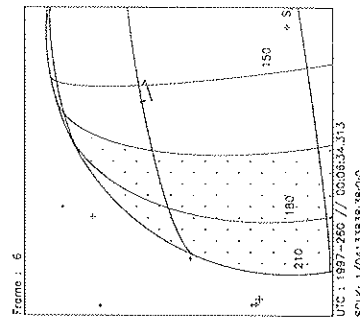
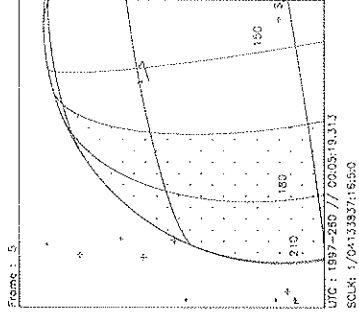
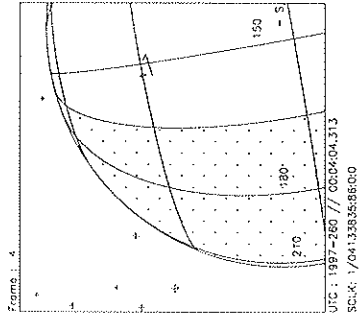
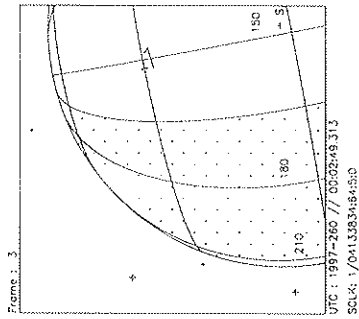
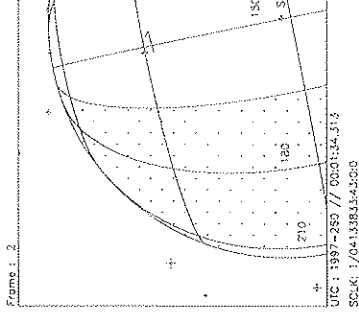
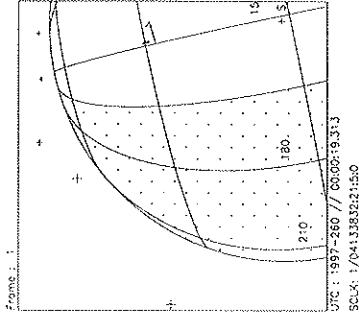
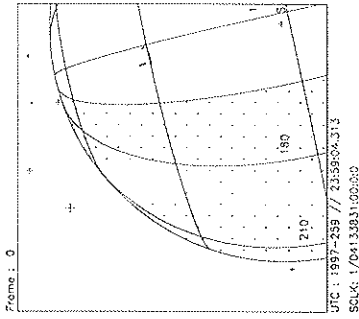
Activity ID:	Orbit 10	OAPEL CUNOLAT_	SeqNo	01-			
Title	UVS CALLISTO NORTH LATITUDE		Instrument	UVS			
Requestor	UVS-SWG/W.SWEET 30523	Team	UVS	Working Group	SWG		
Time System	CDS	Load ID	10A	Calendar Date	09/16/97	Week	38
Start	CTE-CDS 00000085:00:0		97-259/22:53:26.067	CTE-000/01:25:56.666			
End	CTE-CDS 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		
<b>Observation Objective</b>							
	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	<b>Design Detail</b>				
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)

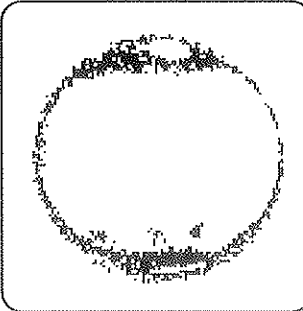
Target Body : CALLISTO  
Target Cone/Clock : 93.59 / 95.22 Deg  
S/C to Body Center : 39126.89 Km ( 16.282518 Rc )  
Z-axis Pointing ( Ro / Dec ) : 137.25 / 19.00 Deg

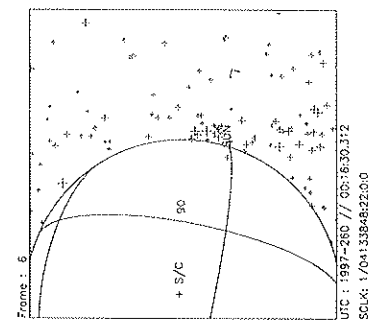
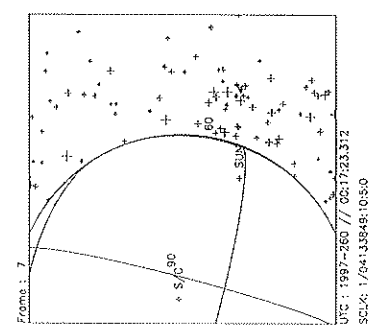
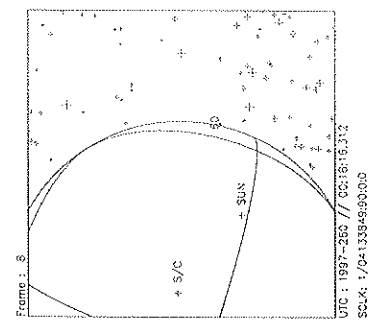
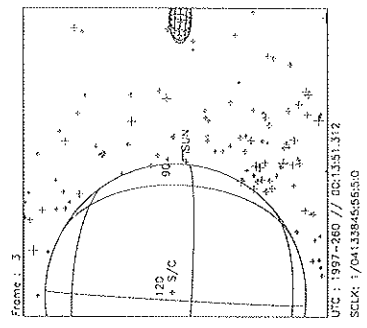
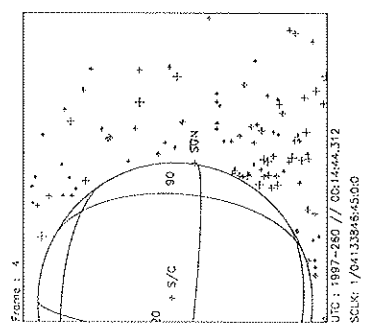
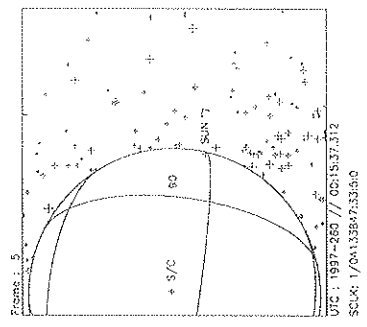
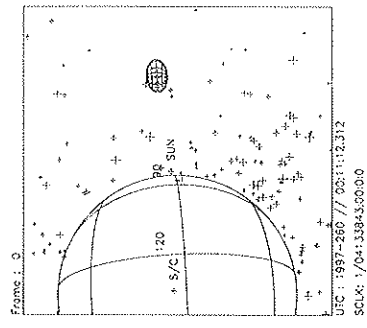
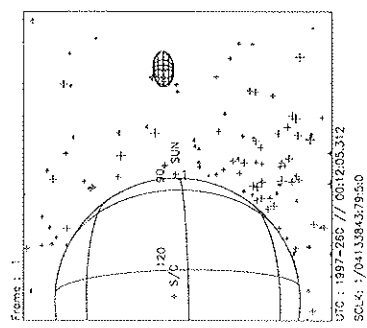
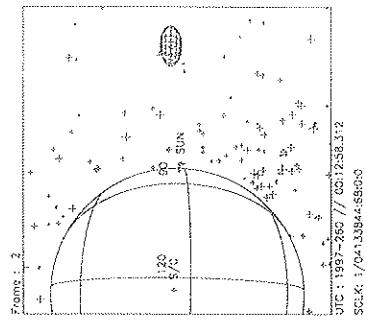
Activity ID: Orbit	10	OAPEL CUASGARD	SeqNo	01+
Title	UVS R/A W/ NIMS ASGARD CRATER		Instrument	UVS
Requestor	UVS-SWG/W.SWEET 30523	Team	UVS	Working Group
				SWG
Time System	CDS	Load ID	10A	Calendar Date
				09/16/97
				Week
				38
Start	CTE-CDS 00000021:08:0		97-259/23:58:03.400	CTE-000/00:21:19.333
End	CTE-CDS 00000010:04:0		97-260/00:09:13.400	CTE-000/00:10:09.333
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
<b>Observation Objective</b>				
	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			
<b>Design Detail</b>				
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)

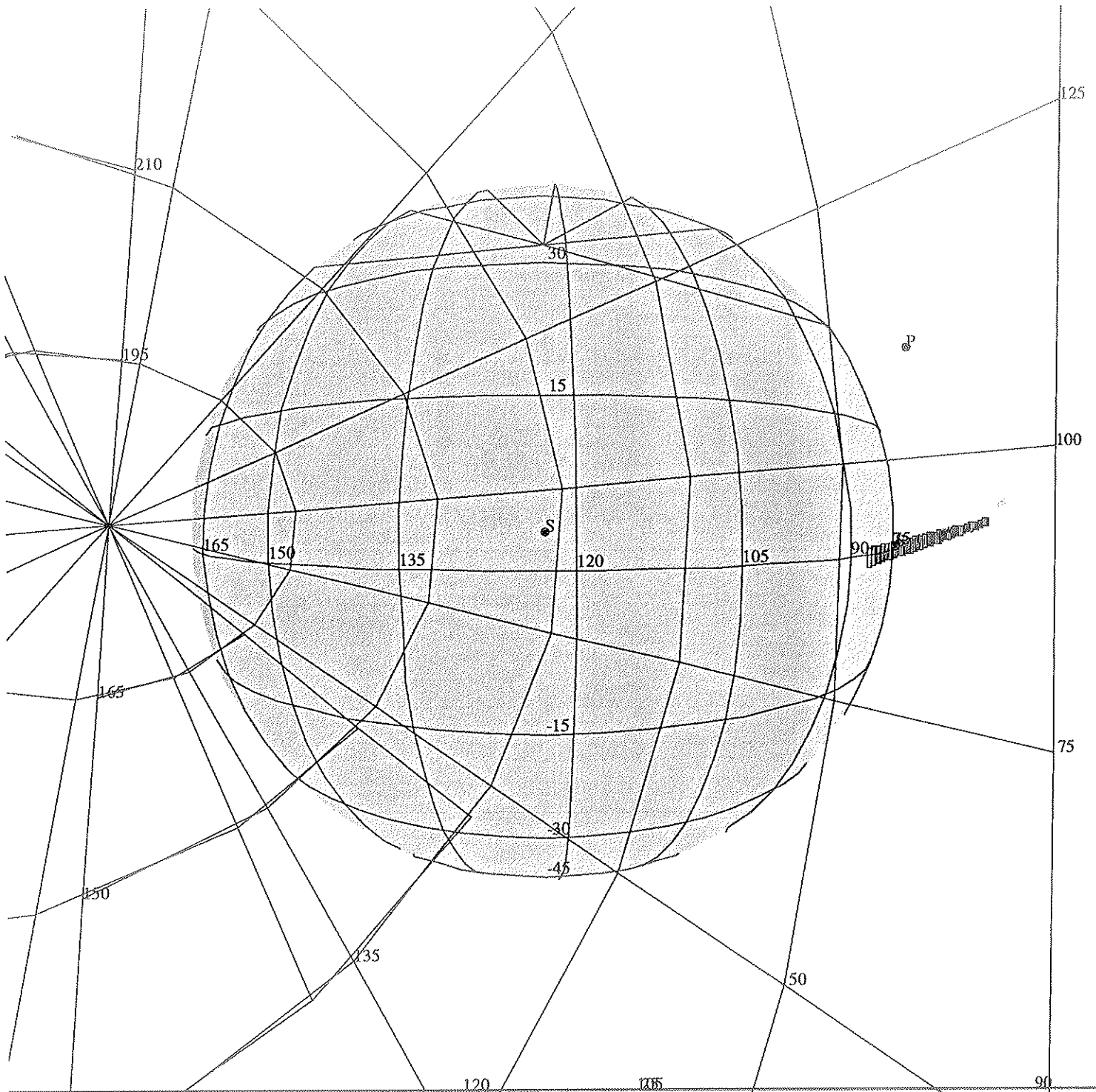
Target Body : CALLISTO  
 Target Cone/Clock : 106.72 / 94.54 Deg  
 S/C to Body Center : 9996.017 Km ( 4.1598075 Rc )  
 Z-axis Pointing ( Ro / Dec ) : 137.29 / 18.98 Deg

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
<b>Observation Objective</b>		
	<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 <math>\{(7 \text{ RIMS}) * (1008 \text{ bps}) * (60.677 \text{ s/RIM})\} = 0.428136 \text{ Mbits}</math>  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;"><b>Design Detail</b></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) &lt;- Deleted, will use FPSC recording around c/a                     </pre>	



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

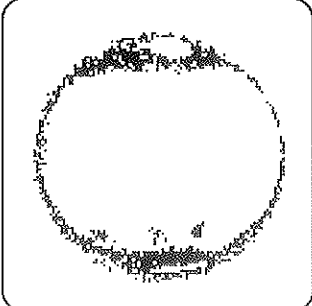
Start UTC\_TIME : 1997-260 // 00:11:12.312  
 End UTC\_TIME : 1997-260 // 00:18:16.979  
 Start SCLK : 1/0413384300000  
 Delta Time between FOV : 53.00000  
 FOVs : F Channel(0.1x0.4), N/G Channel(0.1x1.0)



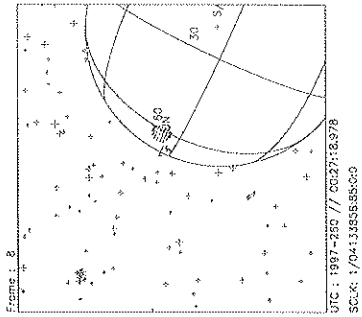
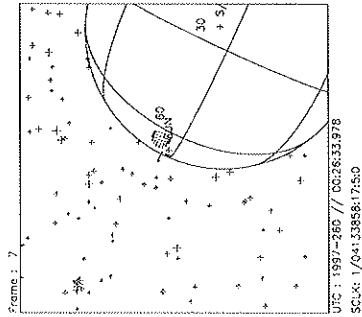
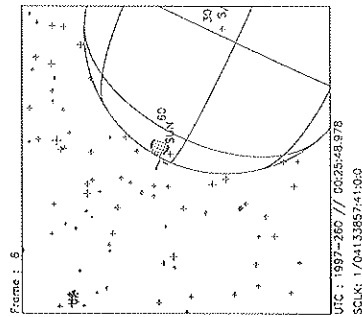
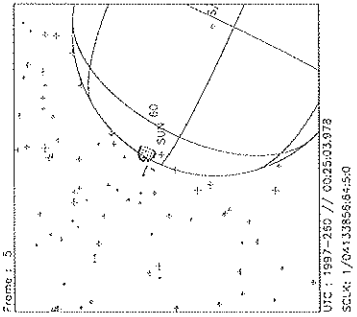
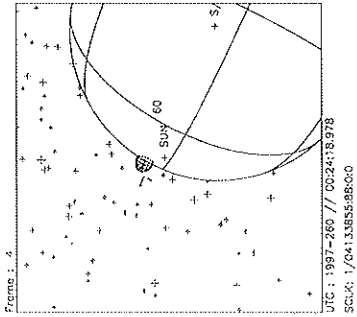
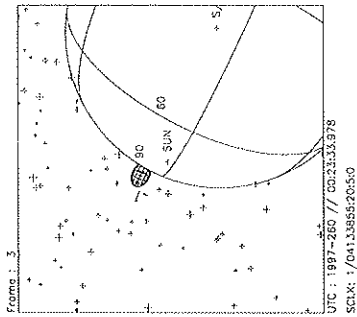
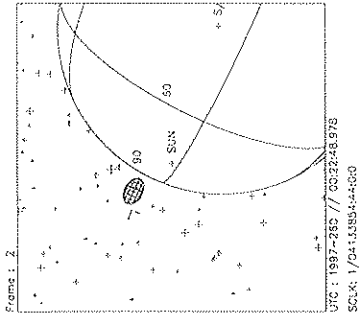
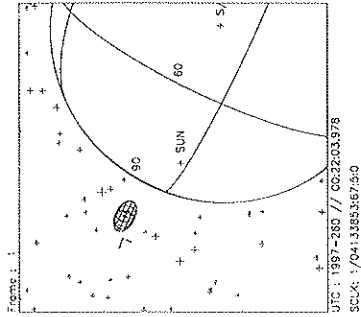
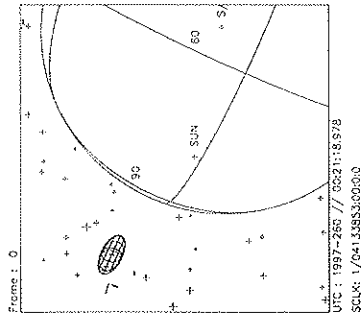
165CE:TT= 0 TMC= 1 C= -667.00 XC= -8.00 BS= 0/8784 TC= 3  
 A=728 pD= 0 SR=17.430 RA50=228.97 DEC50=-24.08 cone= 99.13 clock= 91.65

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

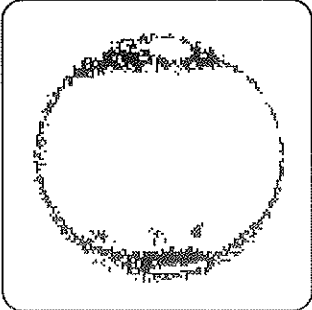
Activity ID: Orbit 10	OAPEL CUBRTLMB	SeqNo 02-
Title	UVS CALLISTO BRIGHT LIMB SCAN (O & H)	Instrument UVS
Requestor	UVS-SWG/W.SWEET 30523	Team UVS Working Group SWG
Time System CDS	Load ID 10A	Calendar Date 09/17/97 Week 38
Start	CTE+CDS 00000001:00:0	97-260/00:20:23.399 CTE+000/00:01:00.666
End	CTE+CDS 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
<b>Observation Objective</b>		
	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.		
<b>Design Detail</b>		
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)

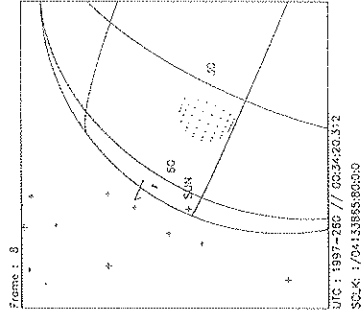
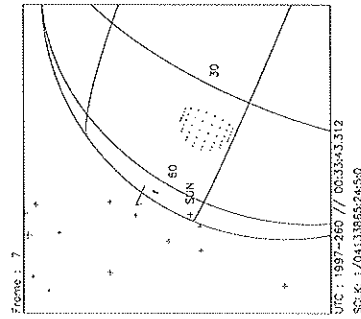
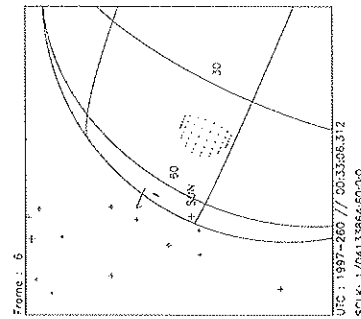
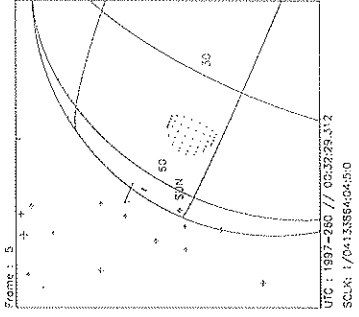
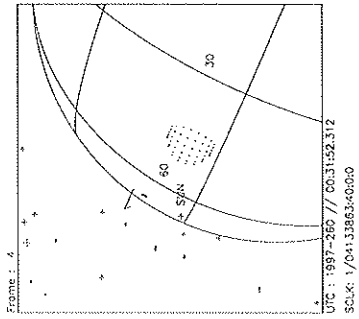
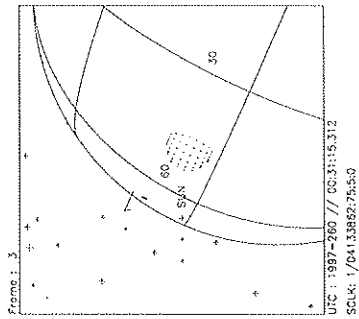
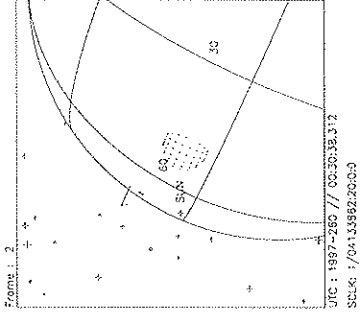
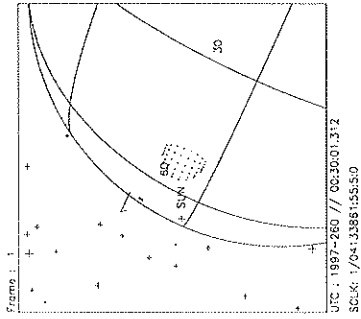
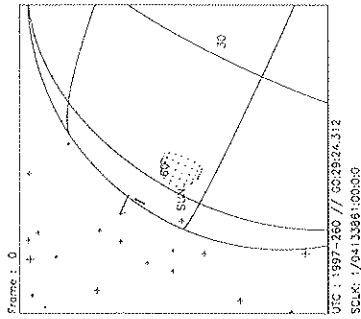




Start UTC\_TIME : 1997-260 // 00:21:18.978  
 End UTC\_TIME : 1997-260 // 00:27:22.978  
 Start SCLK : 1/04133853:00:0:0  
 Delta Time between FOV : 45.00000  
 FOVs : F Channel(0.1x0.4), N/G Channel(0.1x1.0)

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
<b>Observation Objective</b>		
	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	
<b>Design Detail</b>		
CDS RIM	Command Parameters	
0	002 TARGET (NIMS Target)	
0	002 CSKOS (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	



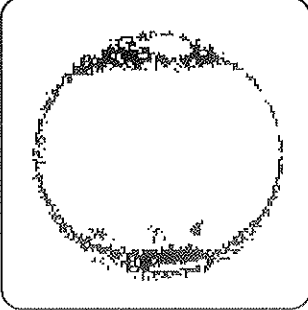
Start UTC\_TIME : 1997-260 // 00:29:24.312  
 End UTC\_TIME : 1997-260 // 00:34:27.645  
 Start SCLK : 1/04133861:00:0:0  
 Delta Time between FOV : 37.00000  
 FOVs : F Channel(0.1x0.4), N/G Channel(0.1x1.0)

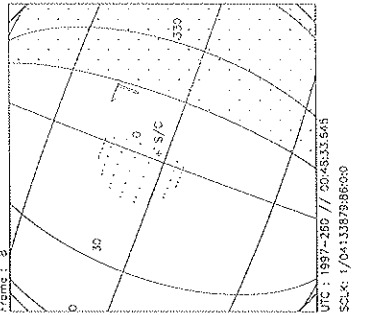
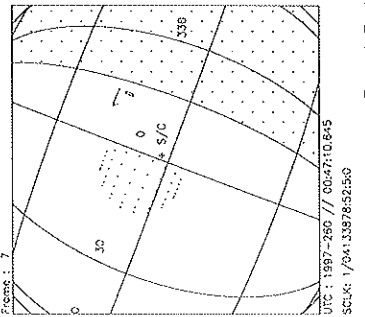
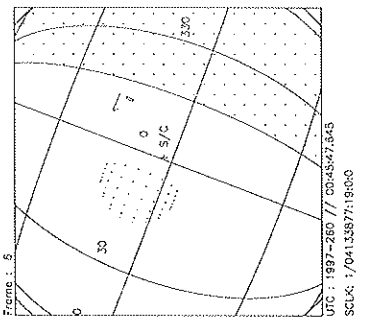
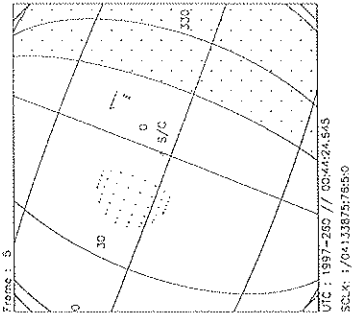
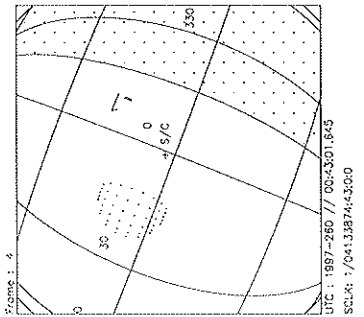
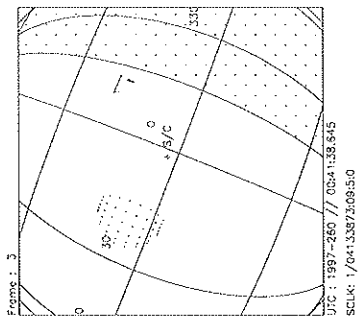
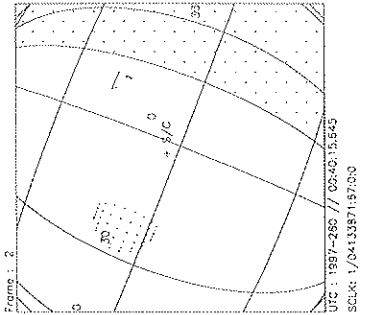
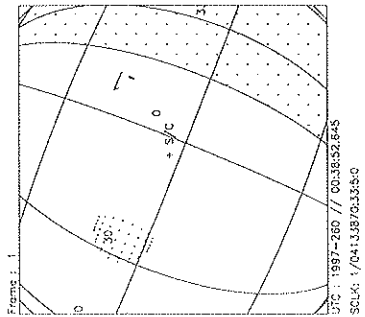
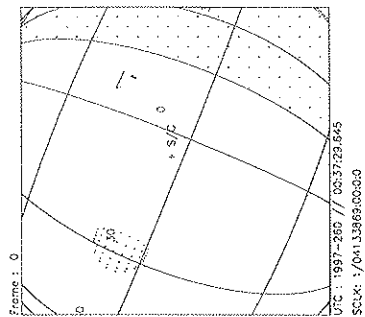
Target Body : CALLISTO  
 Target Cone/Clock : 117.49/276.88 Deg  
 S/C to Body Center : 5863.178 Km ( 2.4399410 Rc )  
 Z-axis Pointing ( Ra / Dec ) : 137.25 / 19.00 Deg

UVS R/A W/ NIMS SMOOTH POLE

ACTIVITY ID: 10CUSMTHPL01+

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

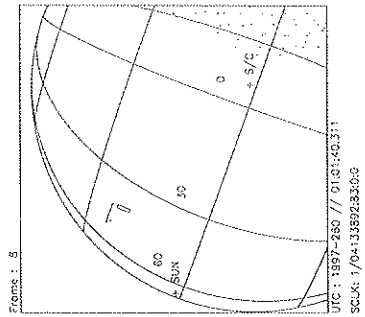
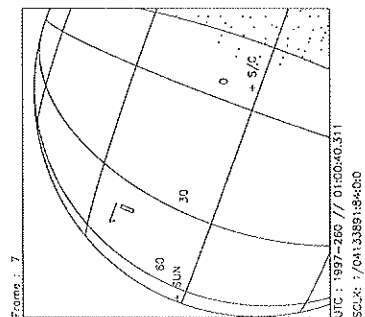
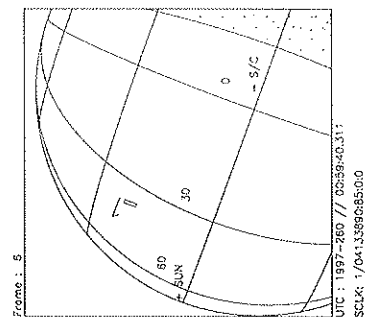
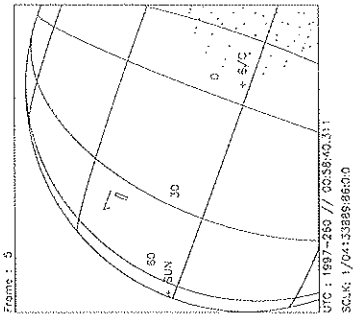
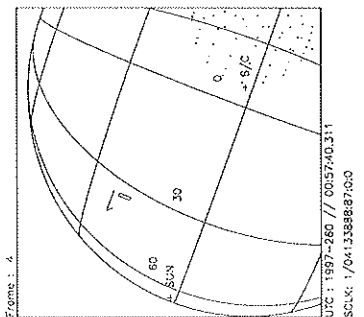
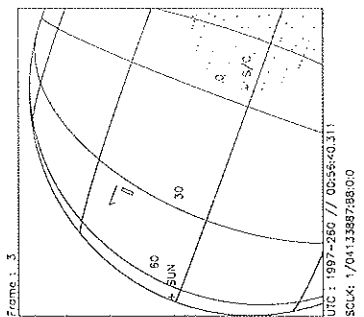
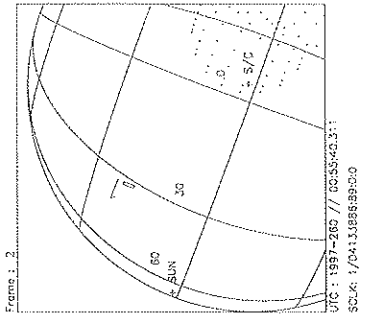
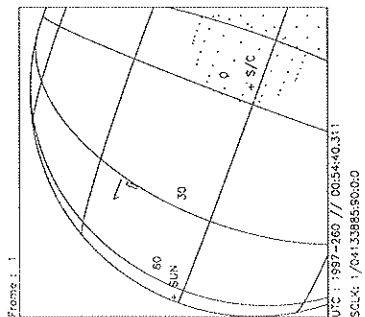
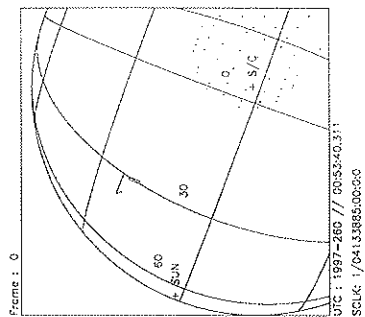
Activity ID: Orbit 10	OAPEL CUSMTHPL	SeqNo 01+
Title UVS R/A W/ NIMS SMOOTH POLE	Instrument UVS	
Requestor UVS-SWG/W.SWEET 30523	Team UVS	Working Group SWG
Time System CDS	Load ID 10A	Calendar Date 09/17/97 Week 38
Start CTE+CDS 00000017:00:0	97-260/00:36:34.066	CTE+000/00:17:11.333
End CTE+CDS 00000029:00:0	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
<b>Observation Objective</b>		
	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	
<b>Design Detail</b>		
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)

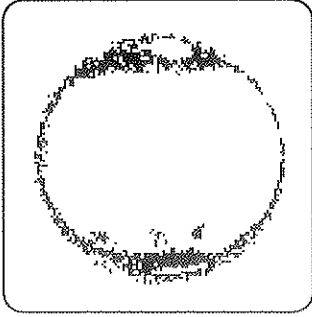
Target Body : CALLISTO  
Target Cone/Clock : 105.24/276.17 Deg  
S/C to Body Center : 9430.897 Km ( 3.9246347 Rc )  
Z-axis Pointing ( Ra / Dec ) : 137.20 / 18.99 Deg

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	CTE+000/00:31:18.000			
End	CTE+CDS 00000042:78:0		97-260/01:02:42.733	CTE+000/00:43:20.000			
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		
<b>Observation Objective</b>							
	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						
<b>Design Detail</b>							
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				

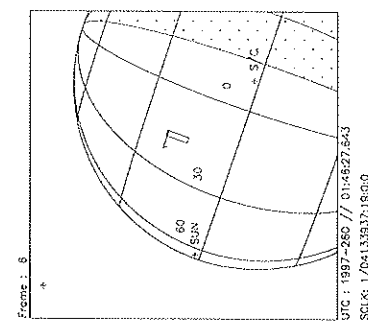
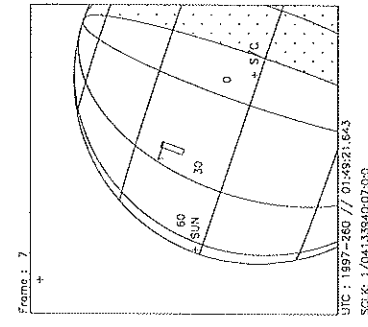
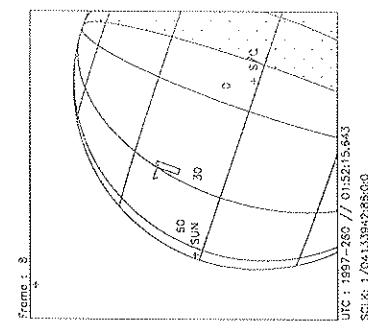
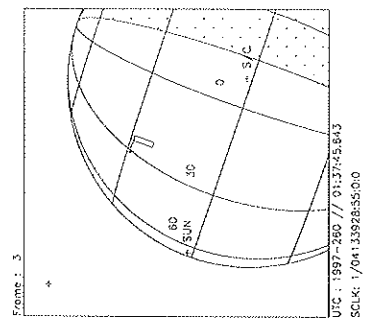
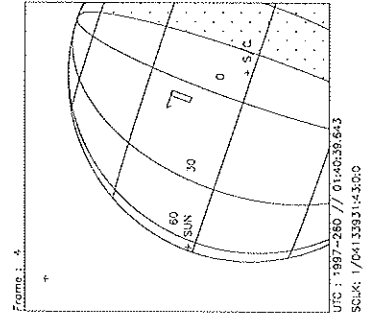
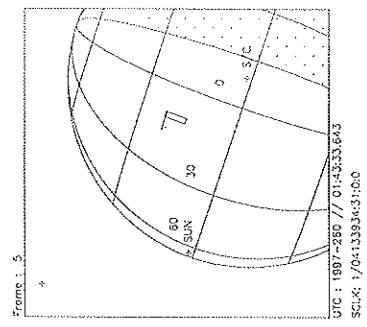
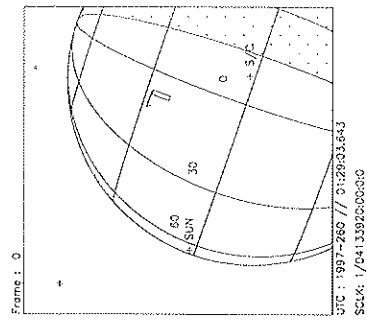
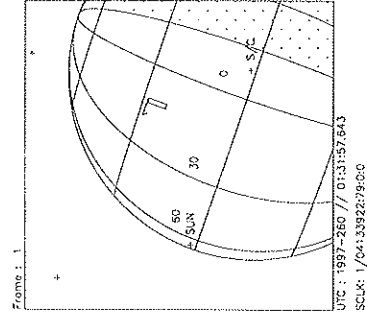
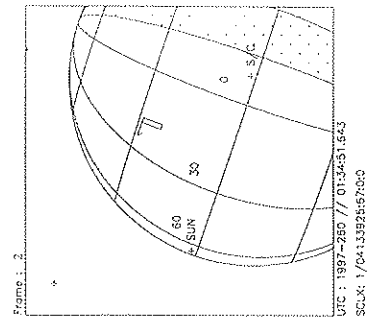


Start UTC\_TIME : 1997-260 // 00:53:40.311  
 End UTC\_TIME : 1997-260 // 01:01:45.644  
 Start SCLK : 1/04133885:00:00  
 Delta Time between FOVs : 60.00000  
 FOVs : F Channel(0.1x0.4), N/G Channel(0.1x1.0)

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
<b>Observation Objective</b>		
	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	
<b>Design Detail</b>		
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)

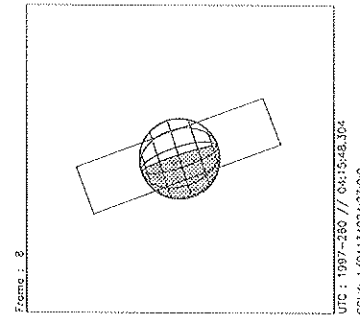
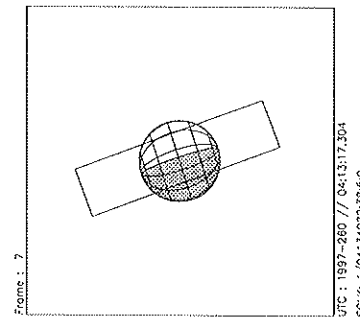
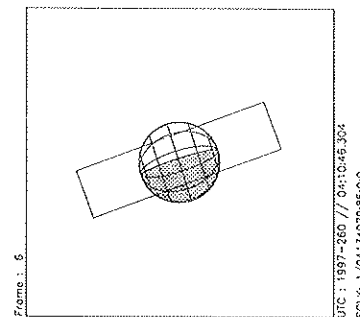
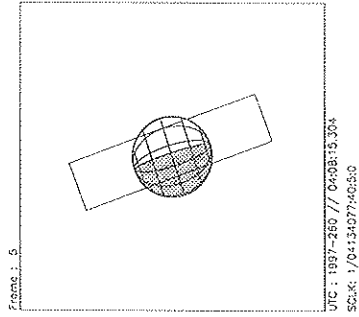
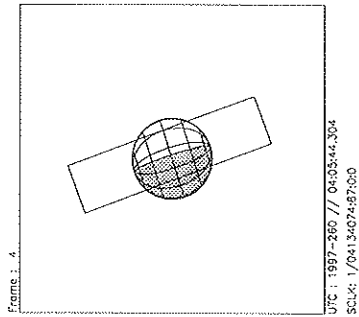
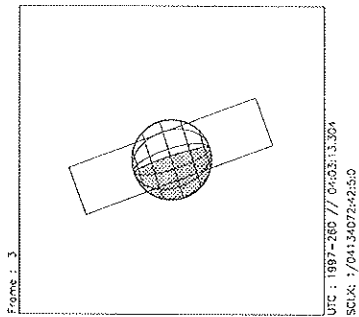
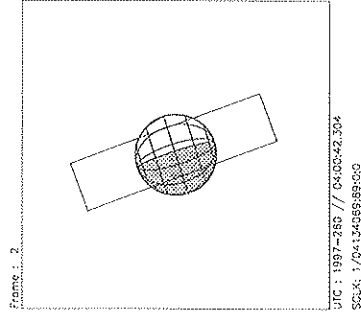
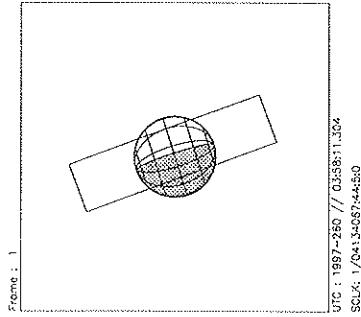
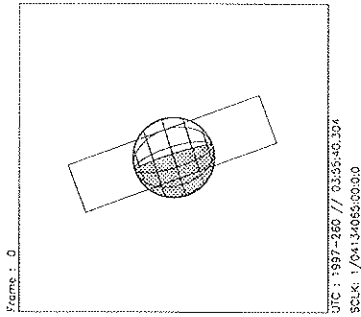
Target Body : CALLISTO  
Target Cone/Clock : 91.74/275.48 Deg  
S/C to Body Center : 33731.06 Km ( 14.037064 Rc )  
Z-axis Pointing ( Ro / Dec ) : 137.25 / 19.00 Deg

UVS EUROPA PHASE (~95 deg)

ACTIVITY ID: 10EUPHAS9501-

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

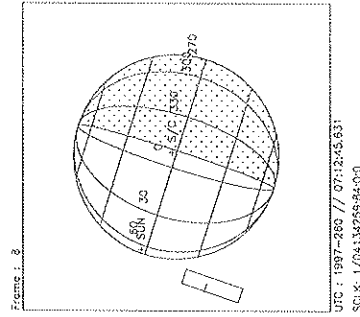
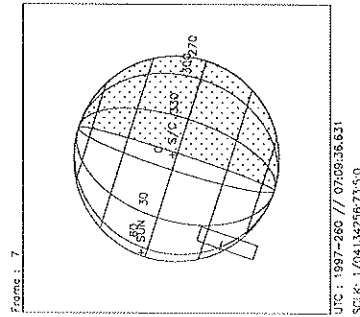
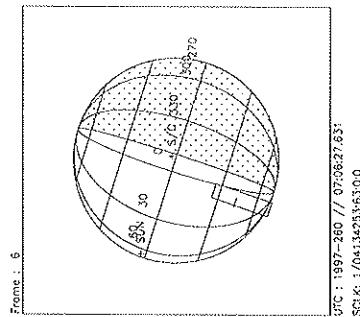
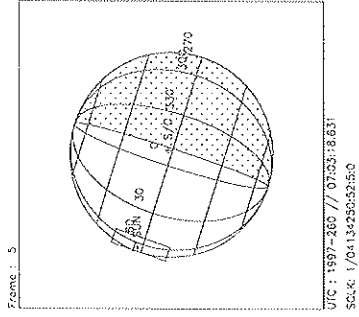
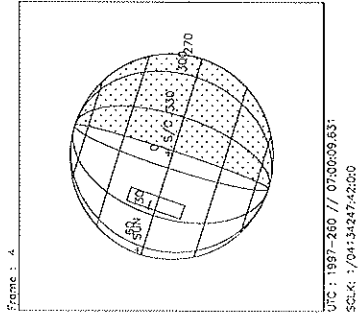
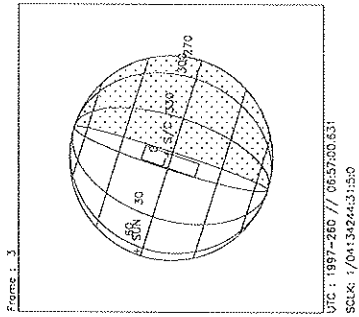
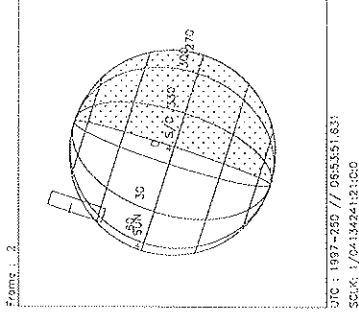
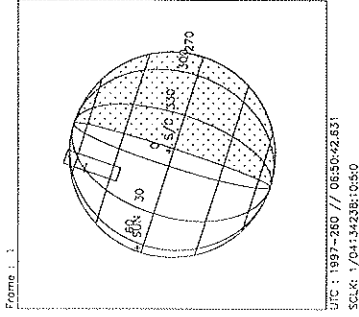
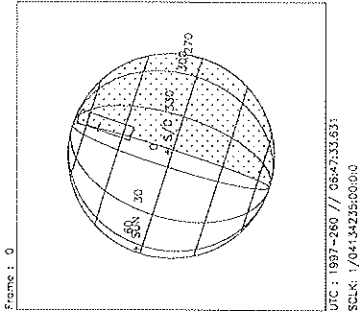
Activity ID:	Orbit 10	OAPEL EUPHAS95	SeqNo	01-			
Title	UVS EUROPA PHASE (~95 deg)		Instrument	UVS			
Requestor	UVS-SWG/W.SWEET 30523	Team	UVS	Working Group	SWG		
Time System	CDS	Load ID	10A	Calendar Date	09/17/97	Week	38
Start	CTE+CDS 00000210:00:0		97-260/03:51:42.733	CTE+000/03:32:20.000			
End	CTE+CDS 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		
<b>Observation Objective</b>							
	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						
MBTG = 0.0177							
CDS RIM	Command	Parameters	<b>Design Detail</b>				
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
<b>Observation Objective</b>				
	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			
<b>Design Detail</b>				
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)

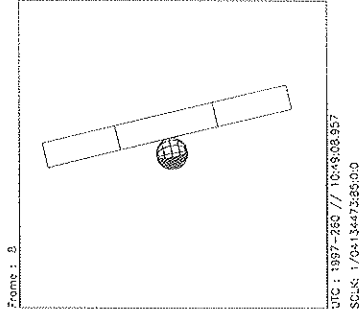
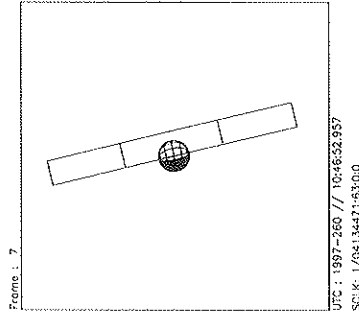
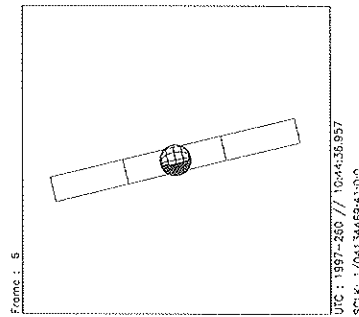
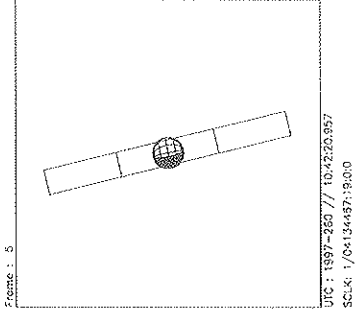
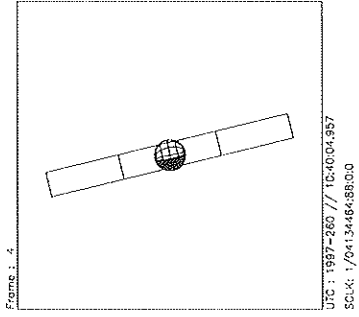
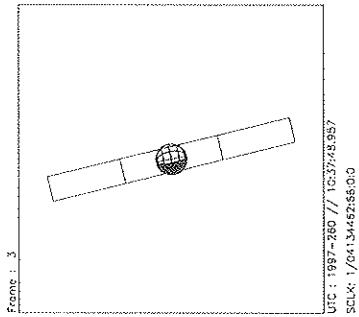
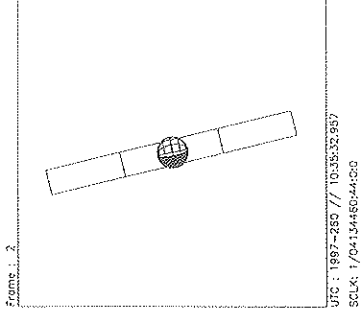
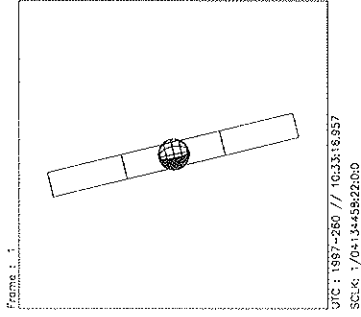
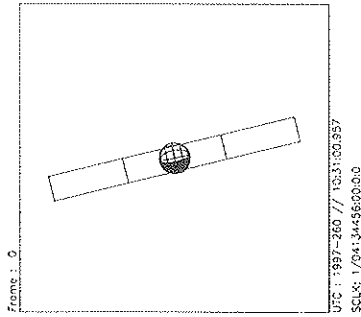
Target Body : CALLISTO  
Target Cone/Clock : 87.56/275.27 Deg  
S/C to Body Center : 185886.2 Km ( 77.355886 Rc )  
Z-axis Pointing ( Ra / Dec ) : 137.25 / 19.00 Deg

UVS GANYMEDE PHASE (~77 deg)

ACTIVITY ID: 10GUPHAS7701-

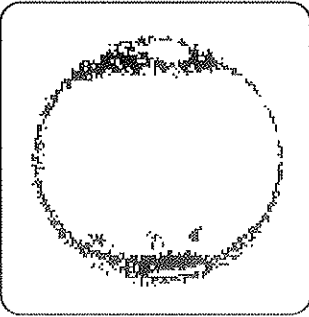
START TIME: 97-260/10:26:02.600

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
<b>Observation Objective</b>		
	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.	
	Target and stare at Ganymede using TMC in real-time at ~77° phase (~30° longitude) 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	<b>Design Detail</b>	
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)	

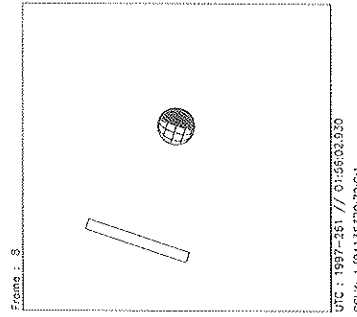
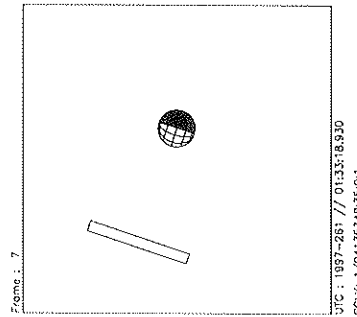
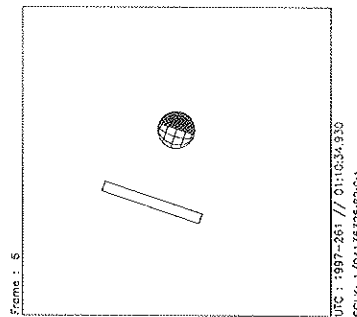
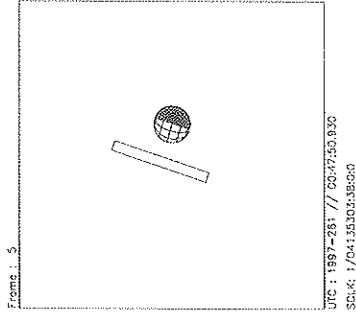
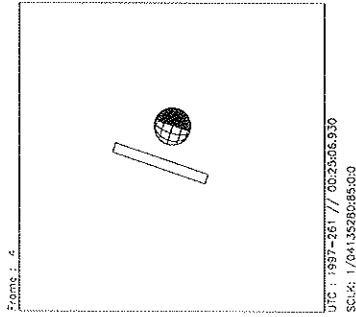
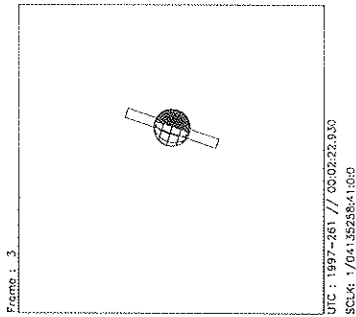
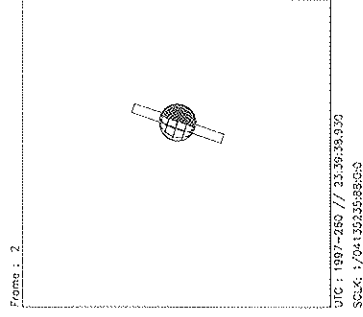
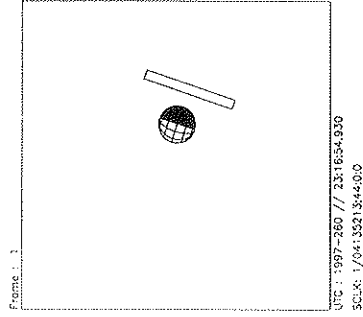
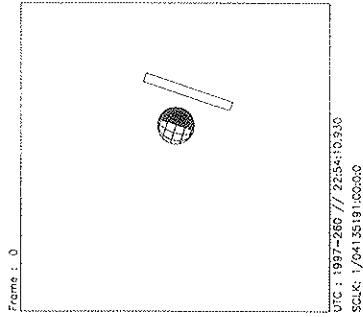


Start UTC\_TIME : 1997-260 // 10:31:00.957  
End UTC\_TIME : 1997-260 // 10:49:12.956  
Start SCLK : 1/041344560:0:0  
Delta Time between FOV : 136.0000  
FOVs : F Channel(0.1x0.4), N/G Channel(0.1x1.0)

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

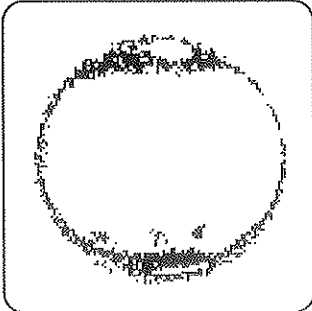
Activity ID:	Orbit 10	OAPEL CUNTRLCL	SeqNo	01-			
Title	UVS CALLISTO NEUTRAL CLOUD		Instrument	UVS			
Requestor	UVS-SWG/W.SWEET 30523	Team	UVS	Working Group	SWG		
Time System	CDS	Load ID	10A	Calendar Date	09/17/97	Week	38
Start	JEE-CDS 00001444:00:0		97-260/22:50:13.267		JEE-001/00:20:02.666		
End	JEE-CDS 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		
<b>Observation Objective</b>							
		-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	<b>Design Detail</b>				
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)				

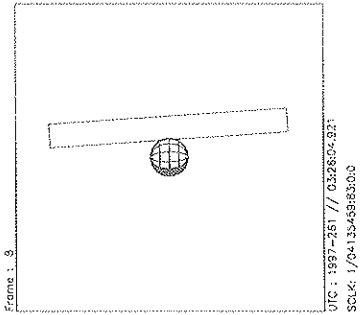
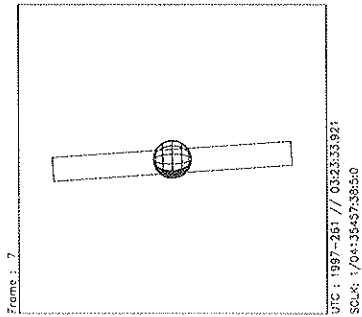
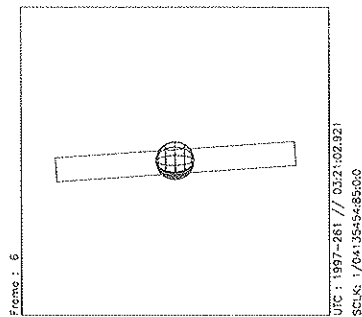
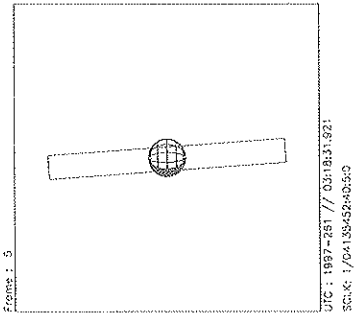
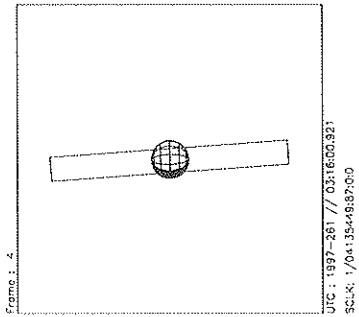
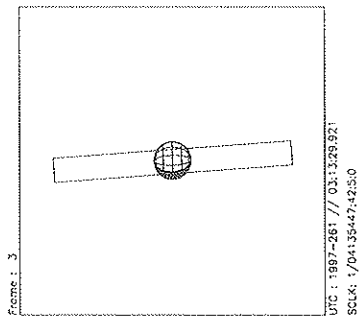
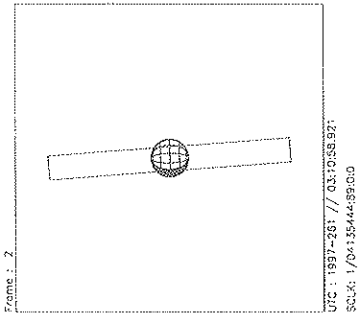
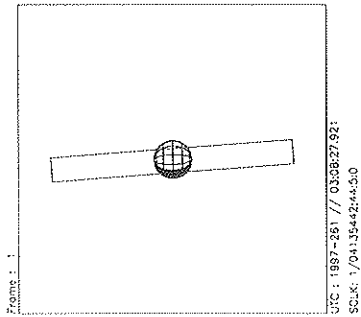
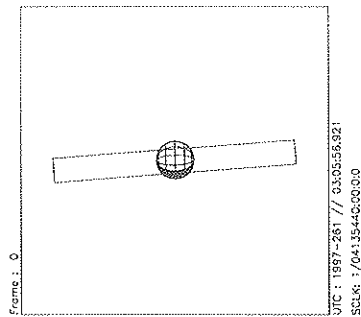




Start UTC\_TIME : 1997-260 // 22:54:10.930  
End UTC\_TIME : 1997-261 // 01:56:10.924  
Start SCLK : 1/04135191:00:00  
Delta Time between FOV : 1364.000  
FOVs : F Channel(0.1x0.4), N/G Channel(0.1x1.0)

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
<b>Observation Objective</b>		
	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 MBPG	
<b>Design Detail</b>		
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)



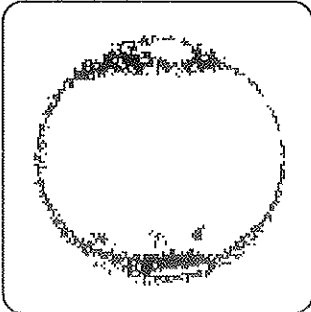
Start UTC\_TIME : 1997-261 // 03:05:56.921  
End UTC\_TIME : 1997-261 // 03:26:10.254  
Start SCLK : 1/0413544000:000  
Delta Time between FOV : 151.0000  
FOVs : F Channel(0.1x0.4), N/G Channel(0.1x1.0)

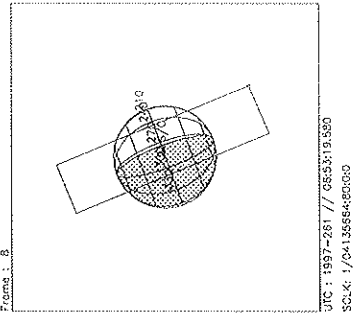
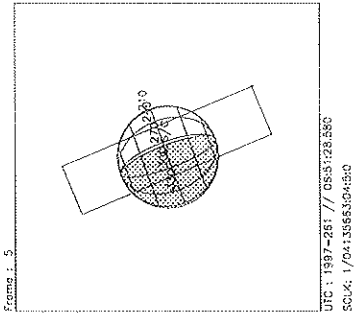
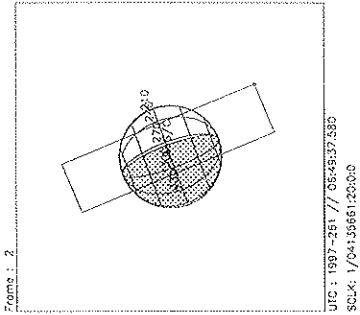
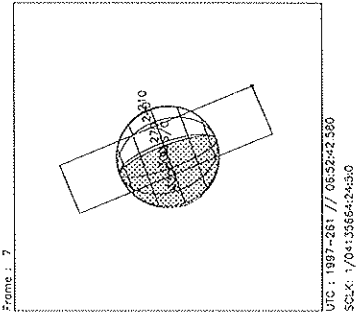
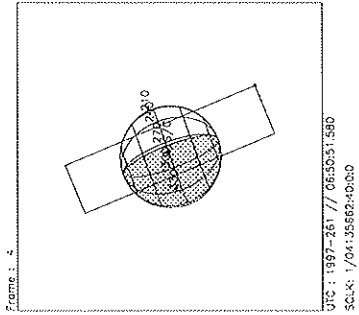
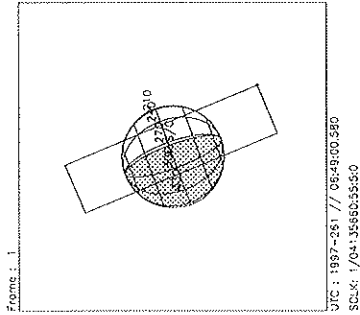
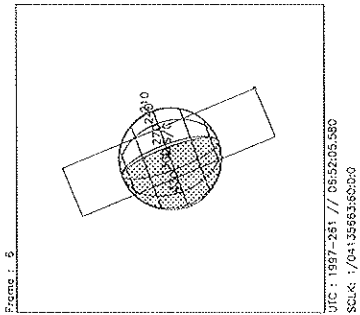
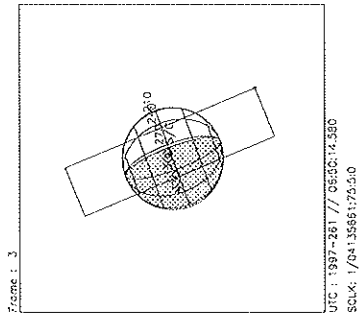
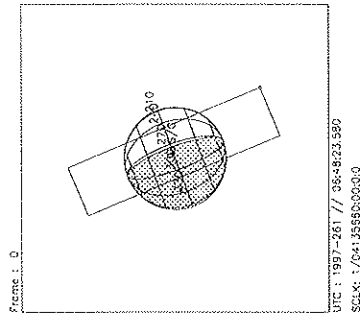
Target Body : iO  
Target Cone/Clock : 130.59 / 96.68 Deg  
S/C to Body Center : 1337634. Km ( 733.21141 Ri )  
Z-axis Pointing ( Ra / Dec ) : 137.26 / 18.98 Deg

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
<b>Observation Objective</b>		
	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	<b>Design Detail</b>	
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)	



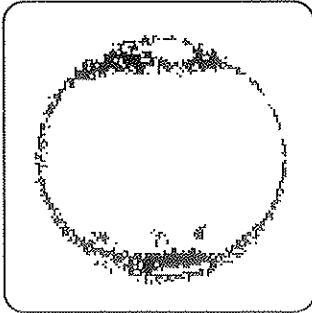
Start UTC\_TIME : 1997-261 // 06:48:23.580  
End UTC\_TIME : 1997-261 // 06:53:26.913  
Start SCLK : 1/04135660:00:00  
Delta Time between FOV : 37.00000  
FOVs : F Channel(0.1x0.4), N/G Channel(0.1x1.0)

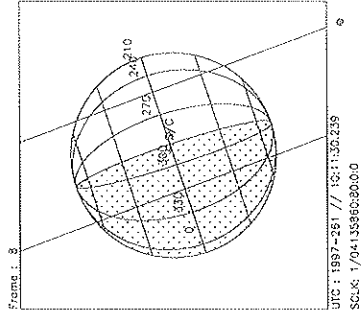
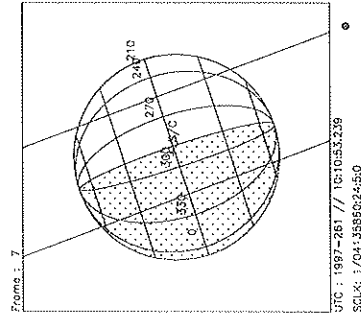
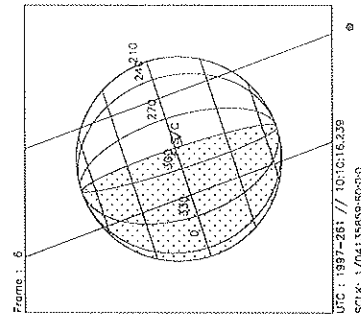
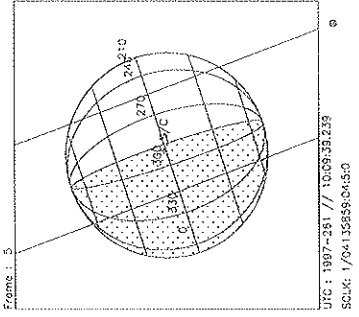
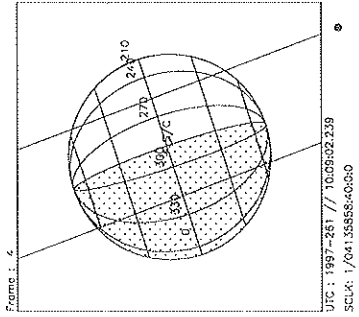
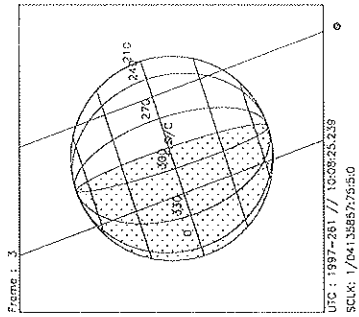
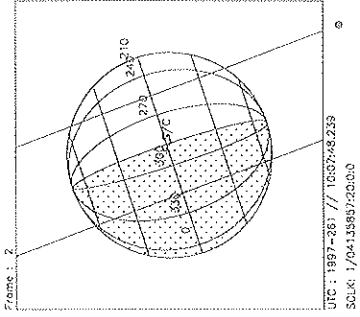
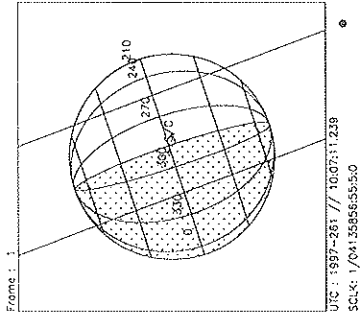
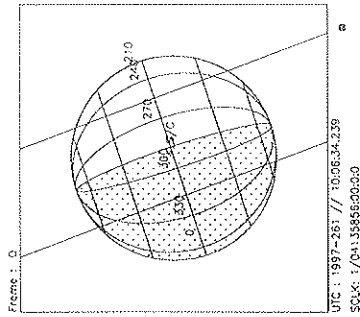
Target Body : EUROPA  
Target Cone/Clock : 82.52 / 94.81 Deg  
S/C to Body Center : 910134.0 Km ( 581.55530 Re )  
Z-axis Pointing ( Ro / Dec ) : 137.25 / 19.00 Deg

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
<b>Observation Objective</b>		
	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		
<b>Design Detail</b>		
CDS RIM Command Parameters		
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)	



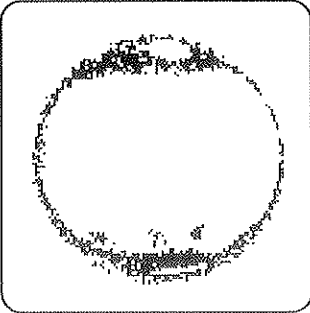
Start UTC\_TIME : 1997-261 // 10:06:34.239  
End UTC\_TIME : 1997-261 // 10:11:37.572  
Start SCLK : 1/04135856:00:00  
Delta Time between FOV : 37.00000  
FOVs : F Channel(0.1x0.4), N/G Channel(0.1x1.0)

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

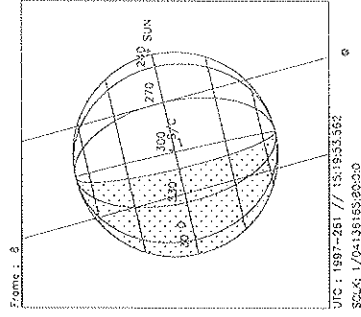
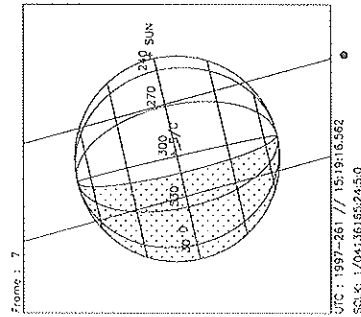
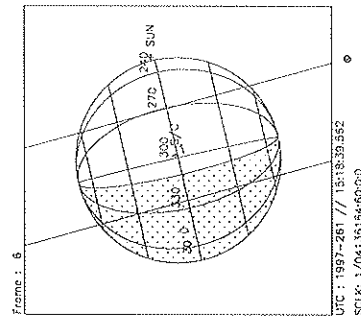
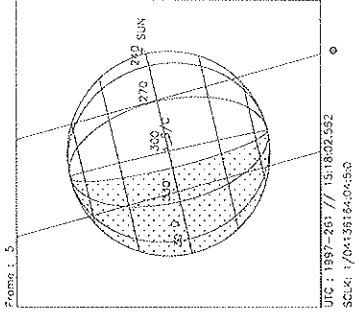
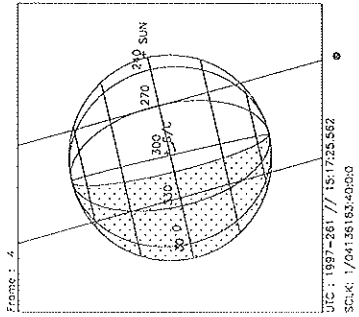
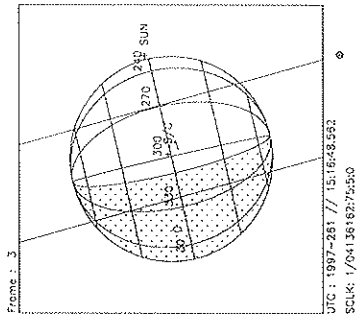
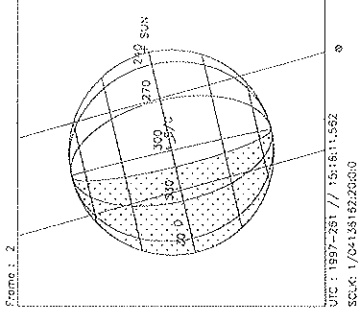
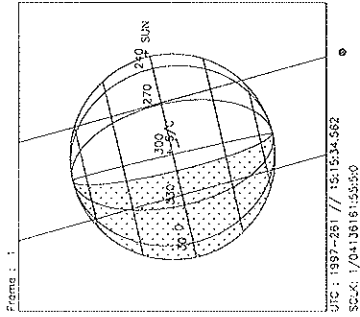
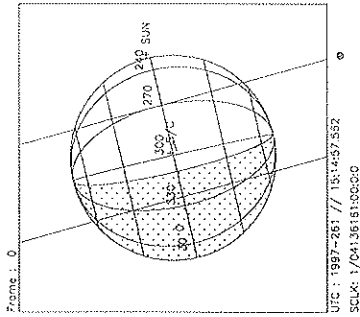
UVS EUROPA LONGITUDE (~290 deg)

ACTIVITY ID: 10EULON29001-

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

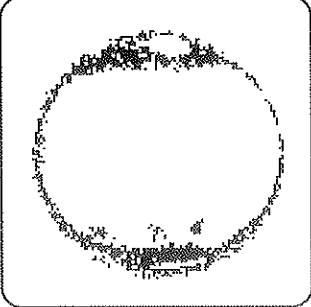
Activity ID:	Orbit 10	OAPEL EULON290	SeqNo	01-			
Title	UVS EUROPA LONGITUDE (~290 deg)		Instrument	UVS			
Requestor	UVS-SWG/W.SWEET 30523	Team	UVS	Working Group	SWG		
Time System	CDS	Load ID	10A	Calendar Date	09/18/97	Week	38
Start	JEE-CDS 00000474:00:0		97-261/15:10:59.933		JEE-000/07:59:16.000		
End	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		
<b>Observation Objective</b>							
 <p>Observe Europa in the 1600A to 3200A 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 ~290° (300') longitude and 82° phase angle using the UVS 10bps RTS rate.</p> <p>UVS Configuration = P/F Full Scans          (17712 bits/flush) * 1 flush = 0.0177 mbtg          MBTG = 0.0177</p>							
CDS RJM Command Parameters				<b>Design Detail</b>			
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)			

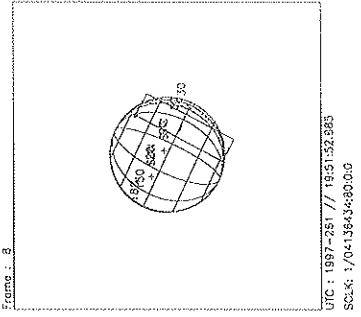
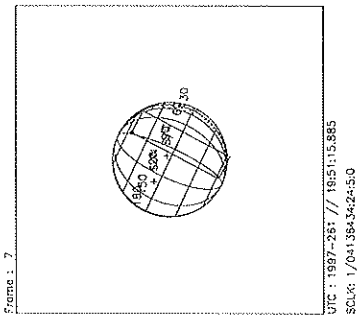
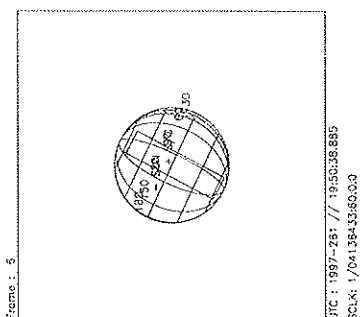
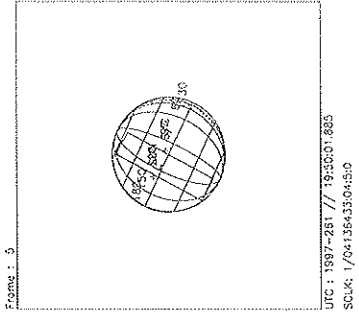
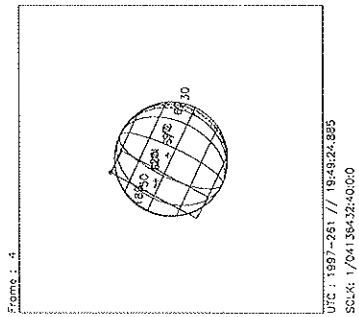
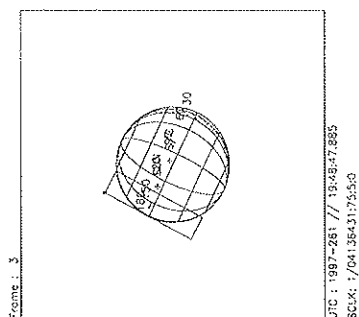
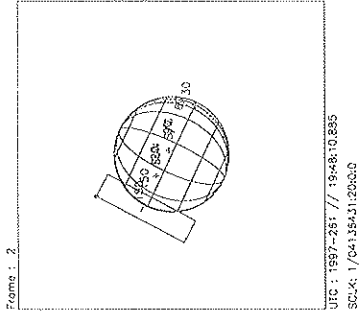
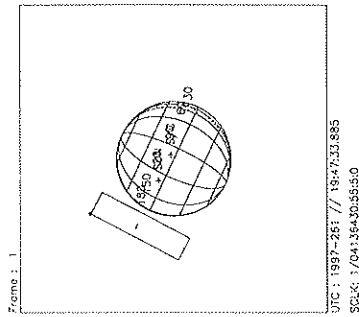
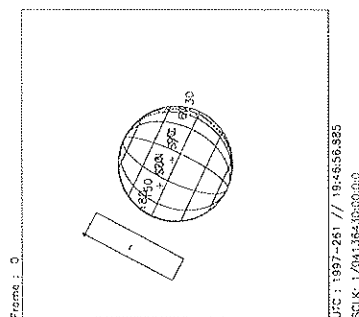




Start UTC\_TIME : 1997-261 // 15:14:57.562  
End UTC\_TIME : 1997-261 // 15:20:00.895  
Start SCLK : 1/04136161:00:00  
Delta Time between FOV : 37.00000  
FOVs : F Channel(0.1x0.4), N/G Channel(0.1x1.0)

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	
<b>Observation Objective</b>					
		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 WBPG = 0.123			
<b>Design Detail</b>					
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			



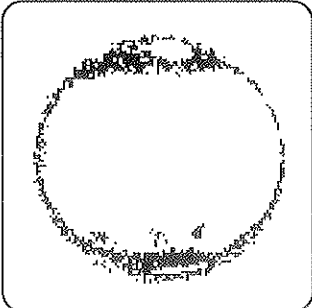
Start UTC\_TIME : 1997-261 // 19:46:56.885  
End UTC\_TIME : 1997-261 // 19:52:00.218  
Start SCLK : 1/04136430:0:0:0  
Delta Time between FOV : 37.00000  
FOVs : F Channel(0.1x0.4), N/G Channel(0.1x1.0)

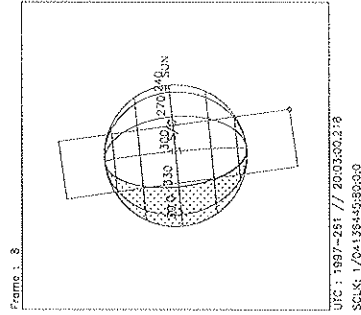
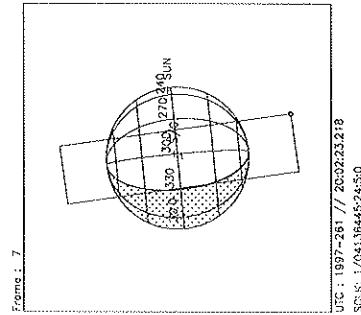
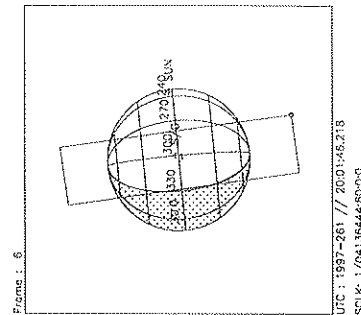
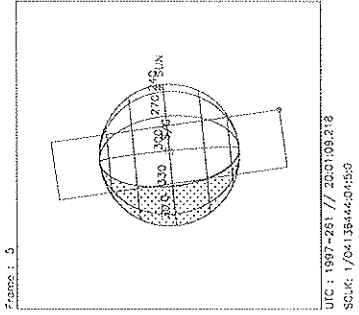
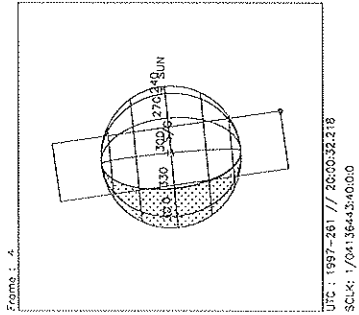
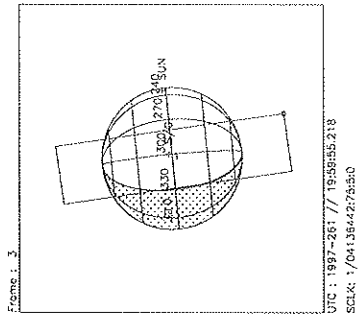
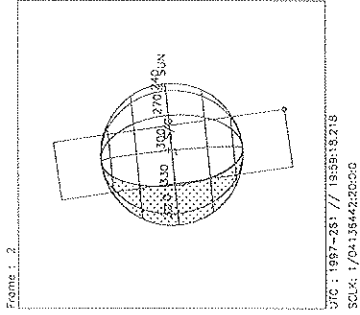
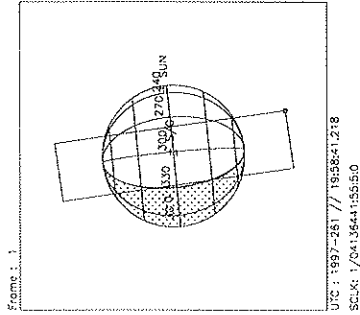
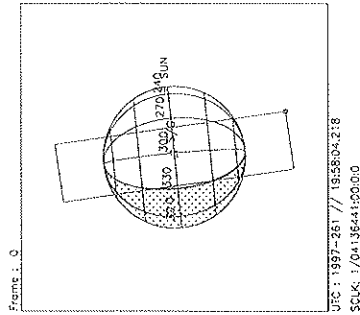
Target Body : iO  
Target Cone/Clock : 144.68/272.27 Deg  
S/C to Body Center : 447420.2 Km ( 245.24913 Ri )  
Z-axis Pointing ( Ro / Dec ) : 137.22 / 18.98 Deg

UVS EUROPA LONGITUDE (~300 deg)

ACTIVITY ID: 10EULON30001-

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

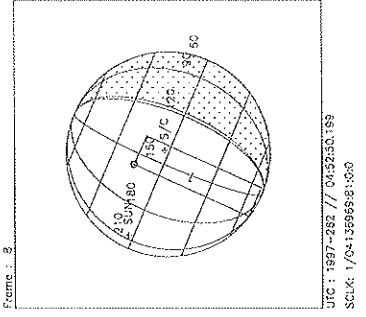
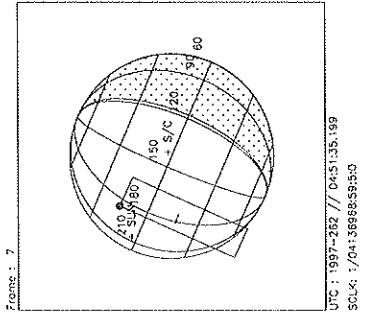
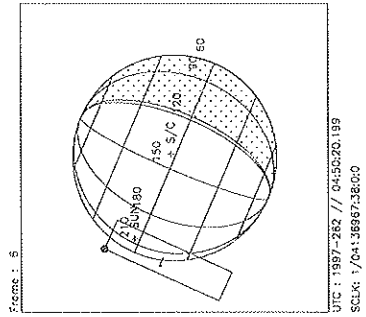
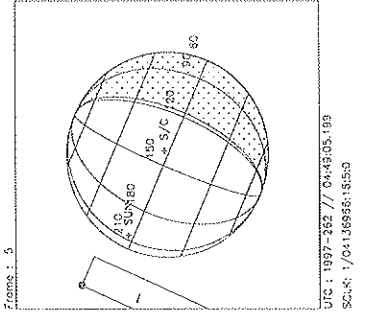
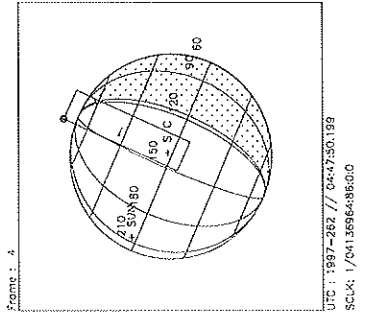
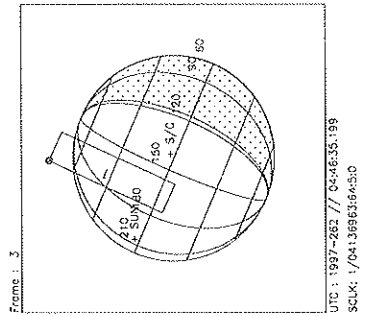
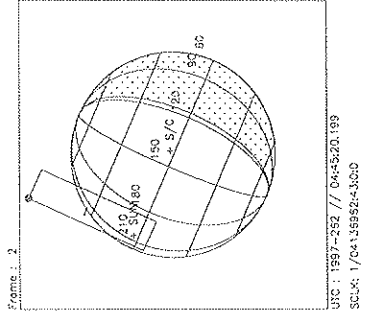
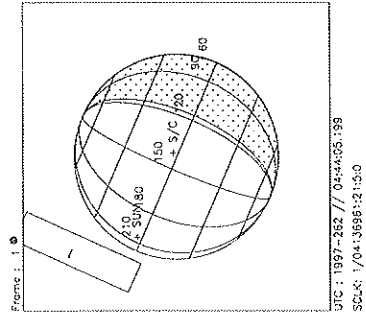
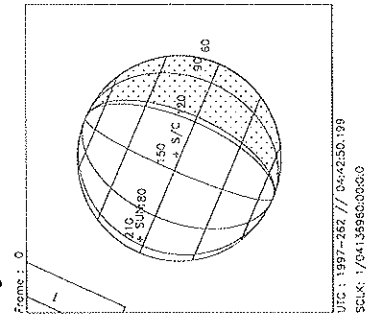
Activity ID: Orbit 10	OAPEL EULON300	SeqNo 01-
Title UVS EUROPA LONGITUDE (~300 deg)	Instrument UVS	
Requestor UVS-SWG/W.SWEET 30523	Team UVS	Working Group SWG
Time System CDS	Load ID 10A	Calendar Date 09/18/97 Week 38
Start JEE-CDS 00000198:00:0	97-261/19:50:03.933	JEE-000/03:20:12.000
End JEE-CDS 00000189:00:0	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
<b>Observation Objective</b>		
	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	<b>Design Detail</b>	
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 : 1/04136441:00:00  
Delta Time between FOV : 37.00000  
FOVs : F Channel(0.1x0.4), N/G Channel(0.1x1.0)

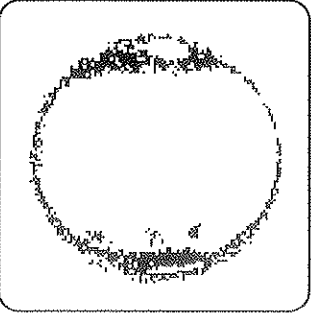
Target Body : EUROPA  
Target Cone/Clock : 121.76 / 96.19 Deg  
S/C to Body Center : 736690.8 Km ( 470.72883 Re )  
Z-axis Pointing ( Ro / Dec ) : 157.25 / 19.00 Deg

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
<b>Observation Objective</b>				
	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			
<b>Design Detail</b>				
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		

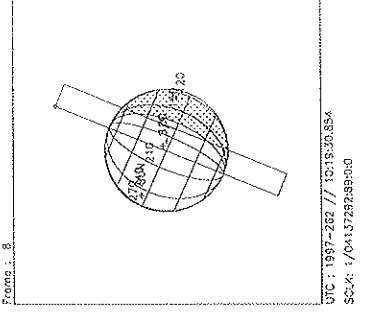
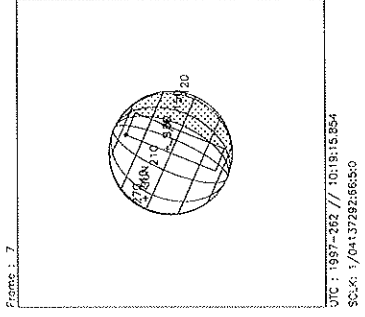
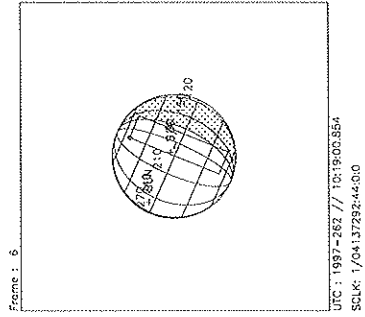
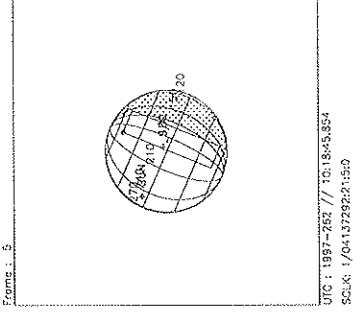
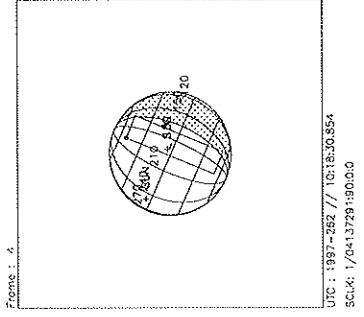
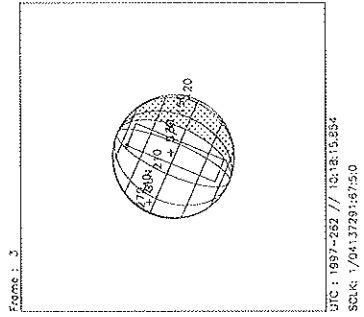
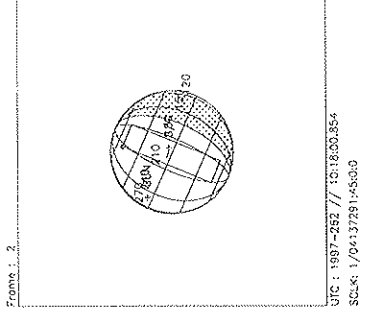
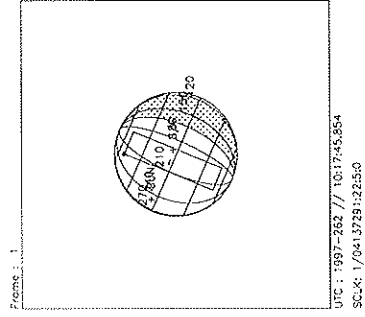
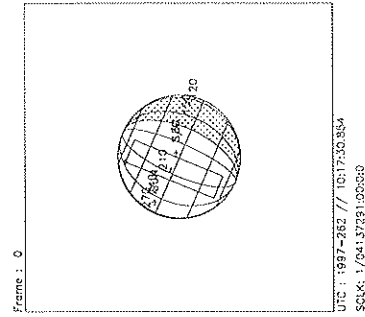


Start UTC\_TIME : 1997-262 // 04:42:50.199  
End UTC\_TIME : 1997-262 // 04:52:56.866  
Start SCLK : 1/04135960:00:00  
Delta Time between FOV : 75.00000  
FOVs : F Channel(0.1x0.4), N/G Channel(0.1x1.0)

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

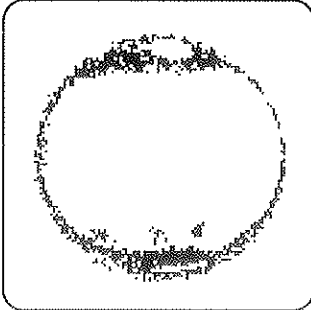
Activity ID:	Orbit 10	OAPEL IUVOLCAN	SeqNo	03+
Title	UVS R/A W/ NIMS IO VOLCANO 3		Instrument	UVS
Requestor	UVS-SWG/W.SWEET 30523	Team	UVS	Working Group
			SWG	
Time System	CDS	Load ID	10A	Calendar Date
				09/19/97
				Week
				38
Start	IEE+CDS 00000328:00:0		97-262/10:15:35.812	IEE+000/05:31:38.666
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
<b>Observation Objective</b>				
		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.		
		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.		
		UVS Configuration = F/F Full Scans Rj=10, compression -2.5 MBTG = 0.036		
<b>Design Detail</b>				
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	

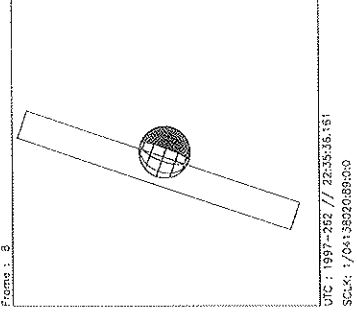
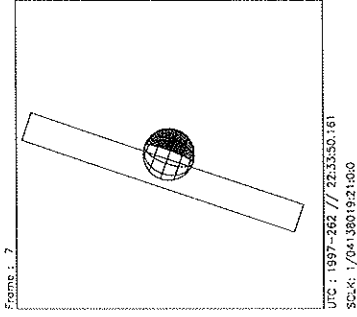
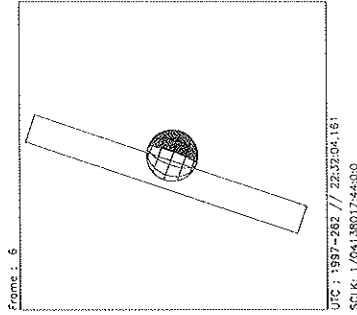
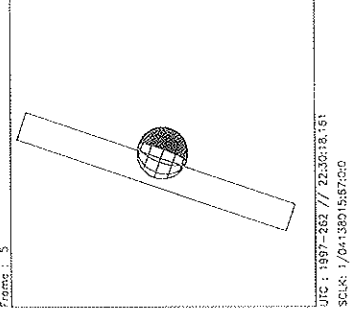
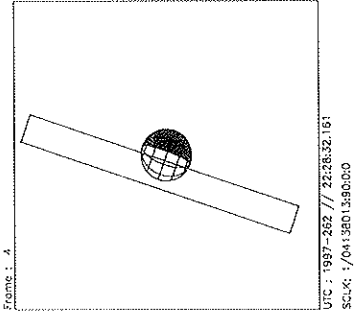
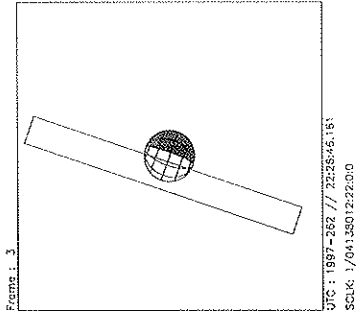
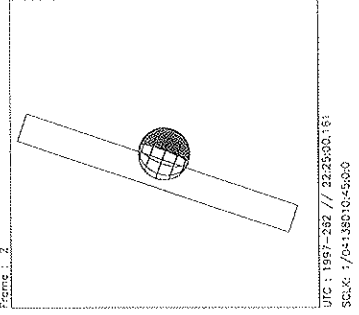
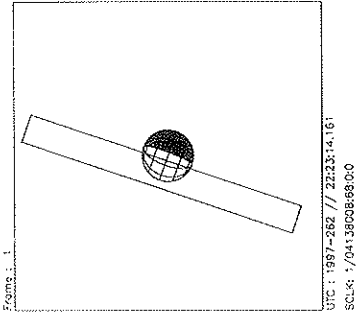
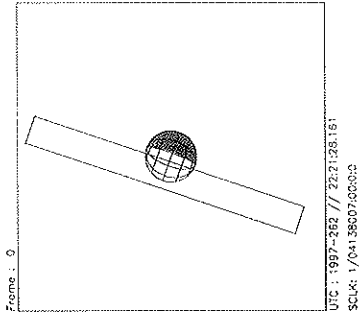




Start UTC\_TIME : 1997-262 // 10:17:30.854  
End UTC\_TIME : 1997-262 // 10:19:32.187  
Start SCLK : 1/0413729100:0:0  
Delta Time between FOV : 15.00000  
FOVs : F Channel(0.1x0.4), N/G Channel(0.1x1.0)

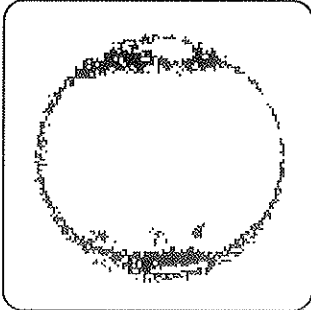
Target Body : IO  
Target Cone/Clock : 139.53/280.72 Deg  
S/C to Body Center : 403726.0 Km ( 221.29857 Ri )  
Z-axis Pointing ( Ro / Dec ) : 161.75 / 7.00 Deg

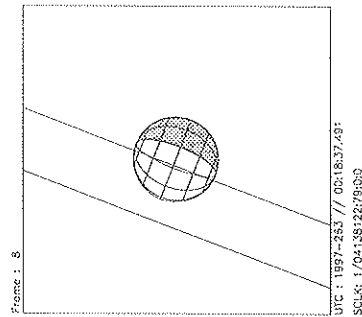
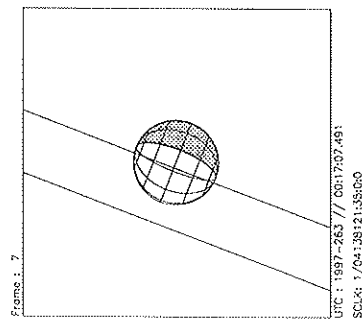
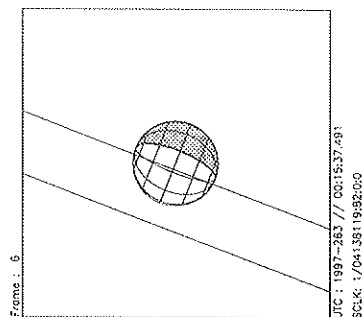
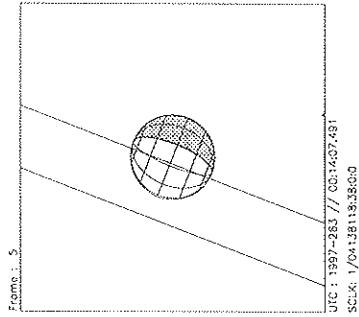
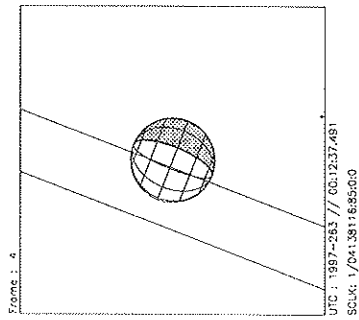
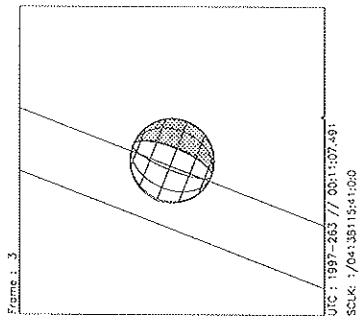
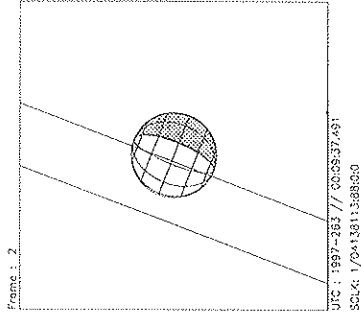
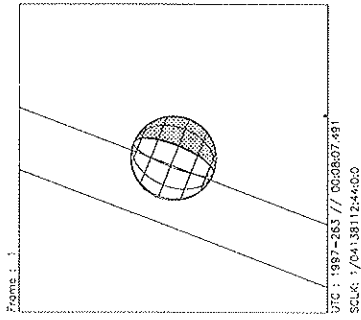
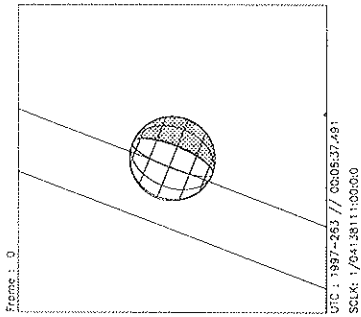
Activity ID:	Orbit 10	OAPEL IUIODARK	SeqNo	01-			
Title	UVS IO ECLIPSE 01		Instrument	UVS			
Requestor	UVS-SWG/W.SWEET 30523	Team	UVS	Working Group	SWG		
Time System	CDS	Load ID	10A	Calendar Date	09/19/97	Week	38
Start	JEE+CDS 00001372:00:0		97-262/22:17:30.599		JEE+000/23:07:14.666		
End	JEE+CDS 00001391:00:0		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	
<b>Observation Objective</b>							
		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					
		Design Detail					
CDS RJM	Command Parameters		Psiq				
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, D1, F, N, N, N, S, 0, OFF, OFF, ON, ON, OFF, NOOVR, 1, 94, 45, 00, 73					
	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	{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
<b>Observation Objective</b>		
	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