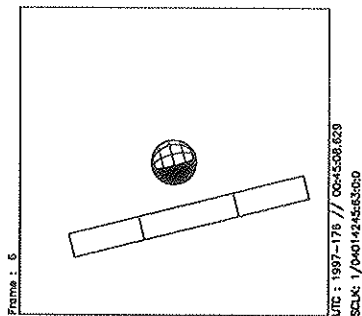
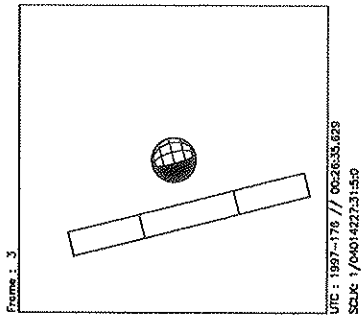
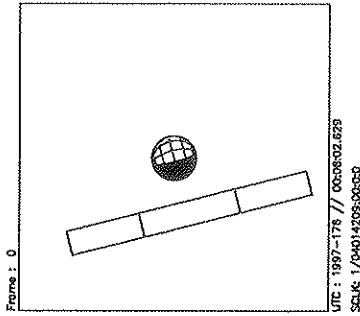


UVS GANYMEDE PHASE (~78 deg)

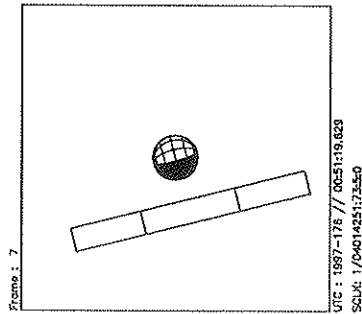
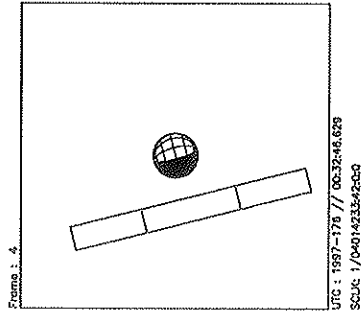
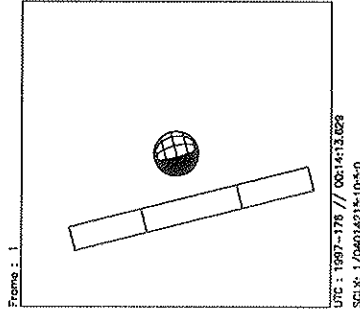
ACTIVITY ID: C9GUPHAS7801-

START TIME: 97-176/00:04:04.133

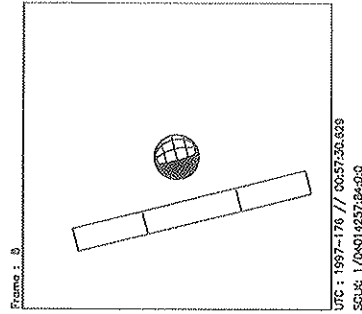
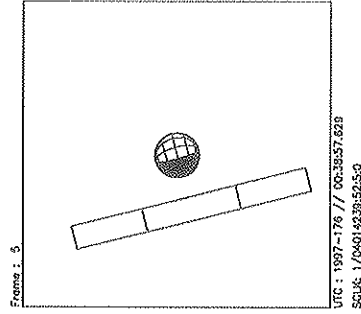
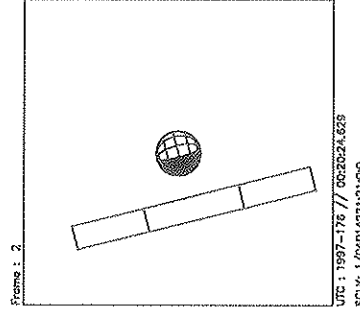
Activity ID:	Orbit C9	OAPEL GUPHAS78	SeqNo	01-
Title	UVS GANYMEDE PHASE (~78 deg)		Instrument	UVS
Requestor	UVS-SWG/K.NAVIAUX 37740	Team	UVS	Working Group SWG
Time System	CDS	Load ID	C9A	Calendar Date 06/25/97 Week 26
Start	JEE-CDS 00003554:00:0		97-176/00:04:04.133	JEE-002/11:53:29.333
End	JEE-CDS 00003500:00:0		97-176/00:58:40.133	JEE-002/10:58:53.333
Duration	00000054:00:0		000/00:54:36.000	000/00:54:36.000
Top Label	C9GUPHAS7801-			
Bottom Label	(real-time)			
Plot Key	UVS	Type	SCI	
CDS Bytes	148	Report Options	BOTH	Scan Platform Yes
CDS Source	OAP	Spin State	DUAL	DMS No
Observation Objective				
	Observe 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.			
	1 scan-platform drift across Ganymede in real-time at ~78° phase (~xxx longitude; 49 RIM 3-sigma drift rate) using the UVS 5 bps RTS rate.			
	UVS Configuration = F/G Full Scans TMC ON			
Design Detail				
CDS RIM Command Parameters				PSID
38 003 CMDRS				(CB)
28 003+UVFLUSH DISCRD,UVS				(CC)
004 1 34UVS,07,S,N,N,N,S,0	ON,OFF, ON, ON,OFF,NOOVR,1,00,9C,01,2C			
053 50 34UVS,C1,F,N,N,N,S,0	OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00			
54 004 TARGET (4 RIM Posn_slew, TMC ON)				(CB)
28 053+UVFLUSH PACKET,UVS				(CD)



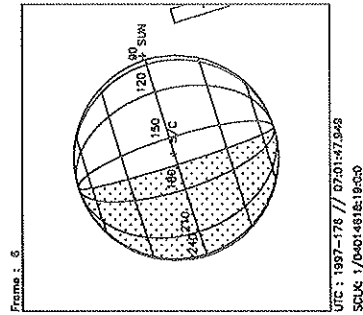
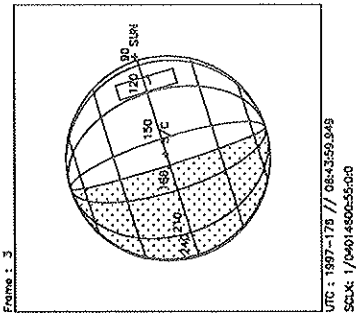
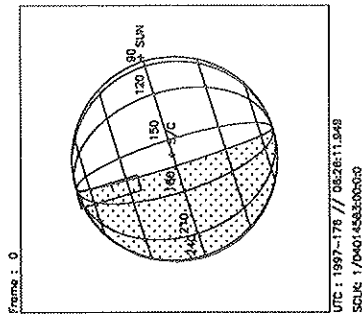
Start UTC_TIME : 1997-176 // 00:08:02.629
End UTC_TIME : 1997-176 // 00:57:35.294
Start SCLK : 1/04014209:00:00
Delta Time between FOV : 371.0000
FOVs : N/G Channel(0.5x0.5)



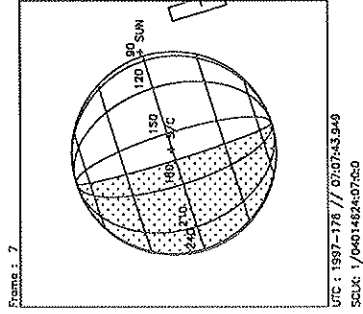
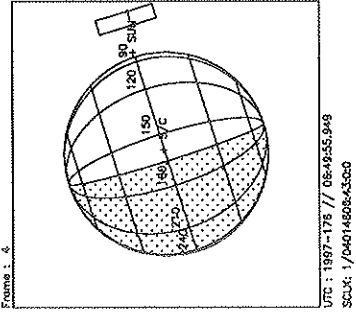
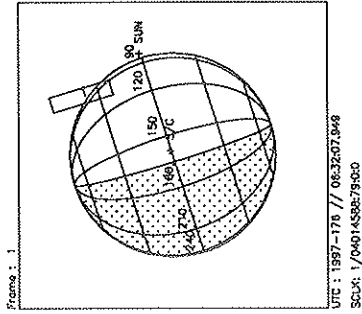
Target Body : GANYMEDE
Target Cone/Clock : 138.98 / 304.32 Deg
S/C to Body Center : 1656193. Km (626.77477 Rg)
Z-axis Pointing (Ro / Dec) : 398.78 / 341.48 Deg



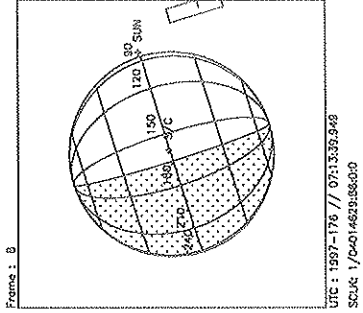
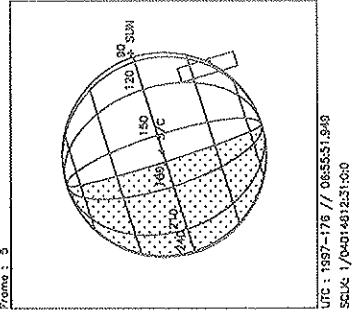
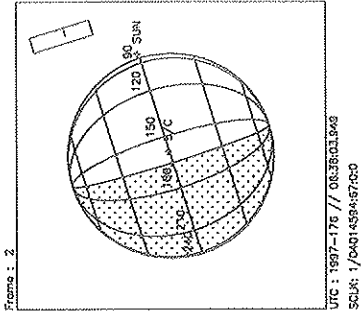
Activity ID: Orbit C9		OAPEL CUGLOBAL		SeqNo 01+	
Title		UVS NIMS CALLISTO GLOBAL RIDE-ALONG		Instrument UVS	
Requestor		UVS-SWG/K.NAVIAUX 37740		Team UVS	
				Working Group SWG	
Time System CDS		Load ID C9A		Calendar Date 06/25/97	
				Week 26	
Start		CEE-CDS 00000440:00:0		97-176/06:23:14.267	
				CEE-000/07:24:53.333	
End		CEE-CDS 00000390:00:0		97-176/07:13:47.600	
				CEE-000/06:34:20.000	
Duration		00000050:00:0		000/00:50:33.333	
				000/00:50:33.333	
Top Label		C9CUGLOBAL01+			
Bottom Label		(ride-along)			
Plot Key		UVS		Type SCI	
CDS Bytes		38		Report Options BOTH	
				Scan Platform No	
CDS Source		OAP		Spin State DUAL	
				DMS No	
Observation Objective					
<div style="border: 1px solid black; width: 150px; height: 100px; display: inline-block; vertical-align: top;"></div> <p>Ride-along w/ NIMS Callisto Global observation. Extend the surface scattering property measurements into the ultraviolet (1600Å - 3200Å) in concert with NIMS measurements to infer information about particle size, and refractive and absorption properties of the surface materials.</p> <p>UVS Configuration = F/F Full Scans</p>					
Design Detail					
CDS RIM Command Parameters				PSID	
-----				-----	
38	002	CMDRS		(CC)	
	003	1	34UVS,07,S,N,N,N,S,0,	ON,OFF,OFF,	ON,OFF,NOOVR,1,00,9C,00,00
	050	48	34UVS,C1,F,N,N,N,S,0,	OFF,OFF,	ON,OFF,OFF,NOOVR,1,2C,05,00,00



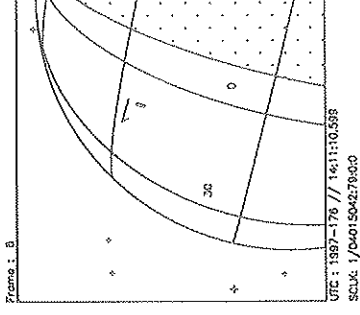
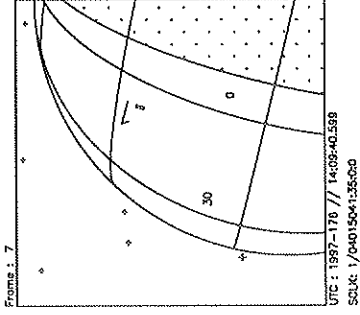
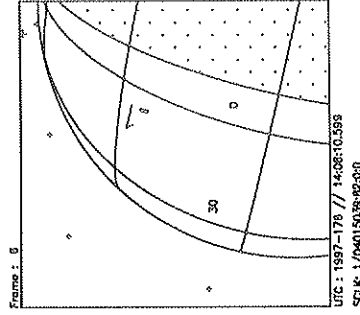
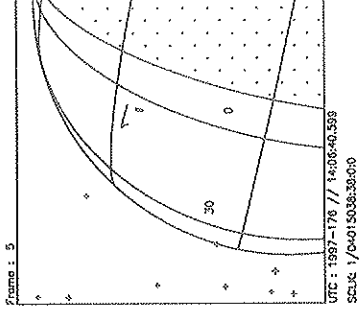
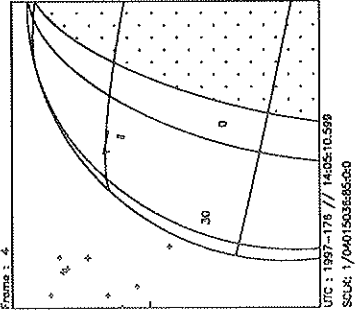
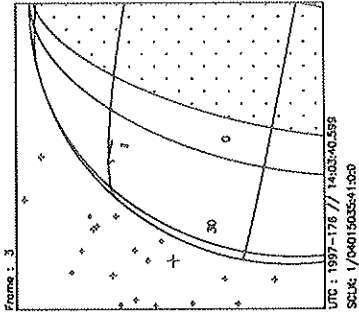
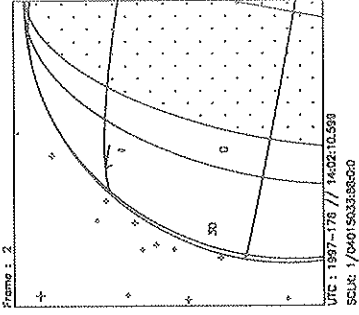
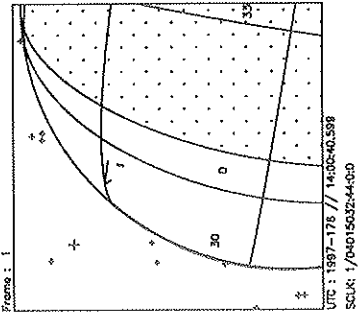
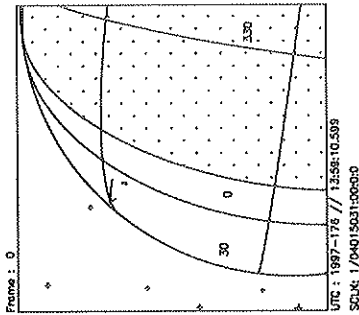
Start UTC.TIME : 1997-176 // 06:26:11.949
 End UTC.TIME : 1997-176 // 07:13:43.280
 Start SCUK : 1/04014583:00:00
 Delta Time between FOV : 356.0000
 FOVs : N/G Channel(0.5x0.5)



Target Body : CALLISTO
 Target Cone/Clock : 142.98/314.47 Deg
 S/C to Body Center : 210696.2 Km (87.680494 Rc)
 Z-axis Pointing (Ro / Dec) : 398.78 / 341.48 Deg



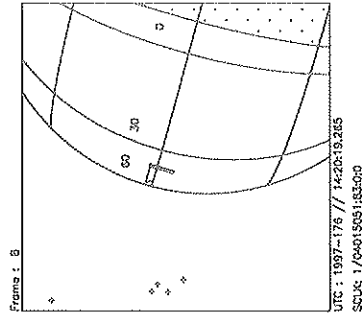
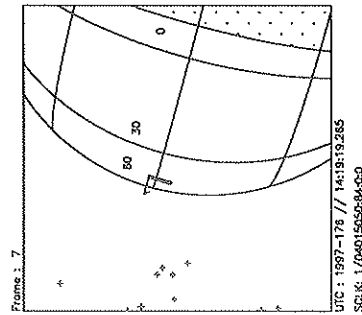
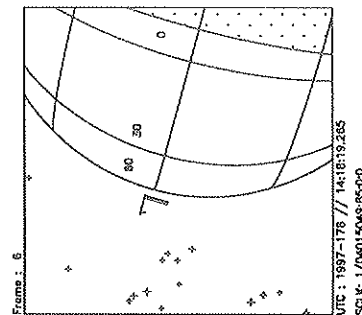
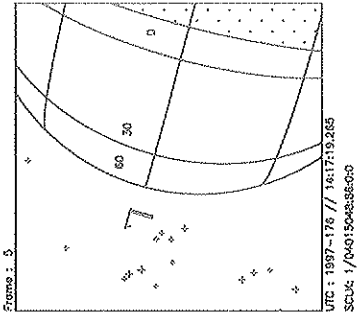
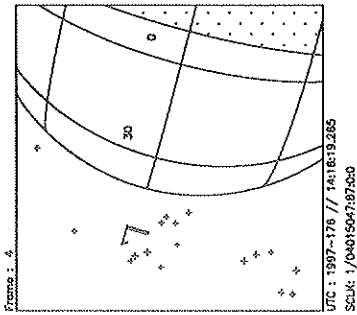
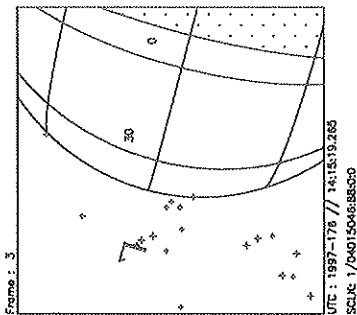
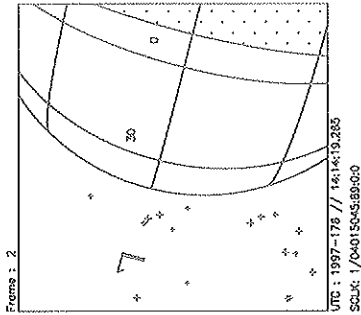
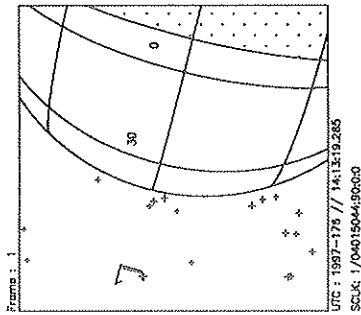
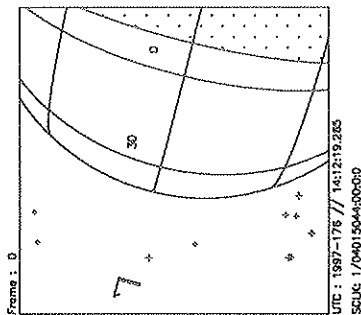
Activity ID: Orbit C9	OAPEL CUANARR_	SeqNo 01+
Title	UVS NIMS CALLISTO ANARR CRATER R/A	Instrument UVS
Requestor	UVS-SWG/J. AIELLO X37737	Team UVS
		Working Group SWG
Time System CDS	Load ID C9A	Calendar Date 06/25/97
		Week 26
Start	CTE+CDS 00000007:00:0	97-176/13:55:12.266
		CTE+000/00:07:04.666
End	CTE+CDS 00000023:00:0	97-176/14:11:22.933
		CTE+000/00:23:15.333
Duration	00000016:00:0	000/00:16:10.667
		000/00:16:10.667
Top Label	C9CUANARR_01+	
Bottom Label	(ride-along)	
Plot Key	UVS	Type SCI
CDS Bytes	38	Report Options BOTH
		Scan Platform No
CDS Source	OAP	Spin State ALL
		DMS No
Observation Objective		
	Ride-along w/ NIMS Callisto ANARR observation. Extend the surface scattering property measurements into the ultraviolet (1600Å - 3200Å) 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	
	*****WILL BE AT A CONE ANGLE OF ~77-78 DEGREES*****	
Design Detail		
CDS RIM Command Parameters		PSID
-----		-----
38 003 CMDRS		(CD)
004 1 34UVS,07,S,N,N,N,S,0,	ON,OFF,OFF,	ON,OFF,NOOVR,1,00,9C,00,00
016 13 34UVS,C1,F,N,N,N,S,0,	OFF,OFF,	ON,OFF,OFF,NOOVR,1,2C,05,00,00



Start UTC_TIME : 1997-176 // 13:59:10.599
 End UTC_TIME : 1997-176 // 14:11:18.598
 Start SCLK : 1/04015031:00:00
 Delta Time between FOV : 90.00000
 FOVs : N/G Channel(0.5x0.5)

Target Body : CALLISTO
 Target Cone/Clock : 51.05/105.02 Deg
 S/C to Body Center : 6151.876 Km (2.5600816 Rc)
 Z-axis Pointing (Ra / Dec) : 398.78 / 341.48 Deg

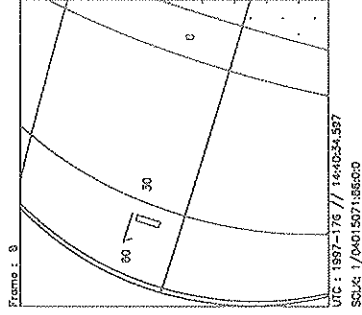
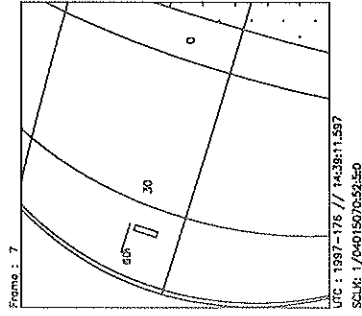
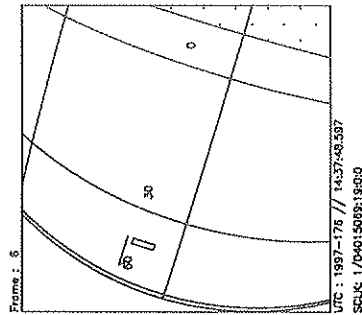
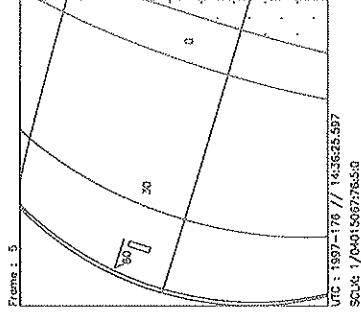
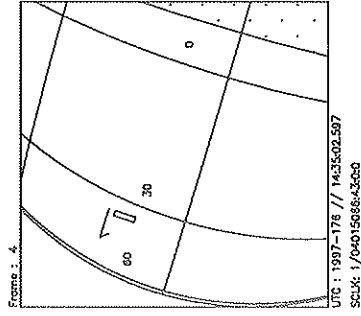
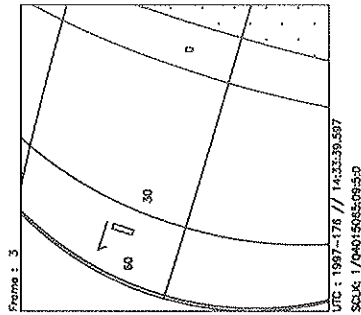
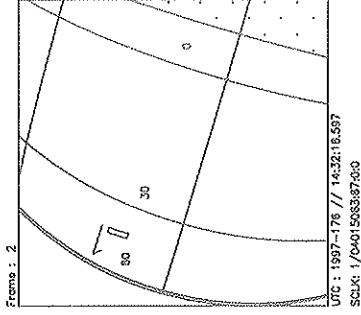
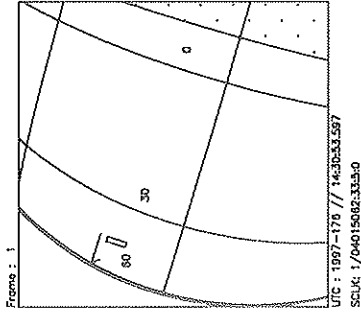
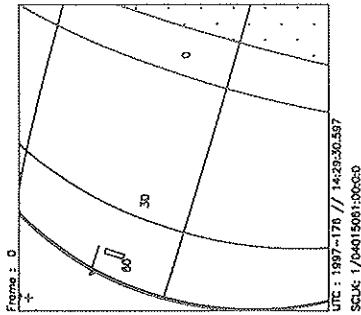
Activity ID: Orbit C9		OAPEL CUBRTLMB		SeqNo 01-	
Title		UVS CALLISTO BRIGHT LIMB DRIFT		Instrument UVS	
Requestor		UVS-SWG/K.NAVIAUX 37740		Team UVS	
				Working Group SWG	
Time System CDS		Load ID C9A		Calendar Date 06/25/97	
				Week 26	
Start		CTE+CDS 00000023:00:0		97-176/14:11:22.933	
				CTE+000/00:23:15.333	
End		CTE+CDS 00000032:00:0		97-176/14:20:28.933	
				CTE+000/00:32:21.333	
Duration		00000009:00:0		000/00:09:06.000	
				000/00:09:06.000	
Top Label		C9CUBRTLMB01-			
Bottom Label		(recorded)			
Plot Key		UVS		Type SCI	
CDS Bytes		147		Report Options BOTH	
				Scan Platform Yes	
CDS Source		OAP		Spin State DUAL	
				DMS Yes	
Observation Objective					
<div style="display: flex;"> <div style="border: 1px solid black; width: 200px; height: 150px; margin-right: 10px;"></div> <div> <p>Measure the altitude distribution of volatiles off the bright limb to determine the particle impact excitation emission rates from the Jovian satellites.</p> <p>9 RIM Callisto Bright Limb Drift observation (1 RIM target slew + 8 RIM recorded data). Target s/p to satellite bright limb and use a s/p slew to scan the FOV to ~1 Rc off the dark limb.</p> <p>UVS Configuration = 1215.1 / 1302.8 mini-scans</p> </div> </div>					
Design Detail					
CDS	RIM	Command	Parameter	PSID	
38	0	CMDRS		(CW)	
	1	1	34UVS,D1,F,N,N,N,S,0,OFF,OFF,	ON, ON,OFF,NOOVR,1,5A,45,00,39	
	9	9	34UVS,C1,F,N,N,N,S,0,OFF,OFF,	ON,OFF,OFF,NOOVR,1,2C,05,00,00	
18	1	SCIREC	{8 RIM record @ 7.68 kbps}	(CA)	
54	1	TARGET	{1 RIM Posn_slew, TMC ON}	(CC)	
37	1	CSMOS		(CA)	



Start UTC_TIME : 1997-176 // 14:12:19.265
End UTC_TIME : 1997-176 // 14:20:24.398
Start SCLK : 1/04015044:00:00
Delta Time between FOV : 60.00000
FOVs : N/G Channel(0.5x0.5)

Target Body : CALLISTO
Target Cone/Clock : 41.99/120.17 Deg
S/C to Body Center : 12094.70 Km (5.0351678 Rc)
Z-axis Pointing (Ro / Dec) : 398.78 / 341.48 Deg

Activity ID: Orbit C9		OAPEL CUSKULD_		SeqNo 01+	
Title	UVS NIMS CALLISTO SKULD CRATER R/A			Instrument	UVS
Requestor	UVS-SWG/K.NAVIAUX 37740	Team	UVS	Working Group	SWG
Time System	CDS	Load ID	C9A	Calendar Date	06/25/97 Week 26
Start	CTE+CDS 00000037:00:0		97-176/14:25:32.266		CTE+000/00:37:24.666
End	CTE+CDS 00000052:00:0		97-176/14:40:42.266		CTE+000/00:52:34.666
Duration	00000015:00:0		000/00:15:10.000		000/00:15:10.000
Top Label	C9CUSKULD_01+				
Bottom Label	(ride-along)				
Plot Key	UVS	Type	SCI		
CDS Bytes	38	Report Options	BOTH	Scan Platform	No
CDS Source	OAP	Spin State	DUAL	DMS	No
Observation Objective					
	Ride-along w/ NIMS Callisto Asgard observation. Extend the surface scattering property measurements into the ultraviolet (1600Å - 3200Å) 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				
Design Detail					
CDS	RIM	Command	Parameters	PSID	
38	003	CMDRS		(CF)	
	004	4	34UVS,07,S,N,N,N,S,0, ON,OFF,OFF, ON,OFF,NOOVR,1,00,9C,00,00		
	015	15	34UVS,C1,F,N,N,N,S,0,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00		



Start UTC.TIME : 1997-176 // 14:29:30.597
 End UTC.TIME : 1997-176 // 14:40:37.930
 Start SCLK : 1/04015061:00:00
 Delta Time between FOV : 83.00000
 FOVs : N/G Channel(0.5x0.5)

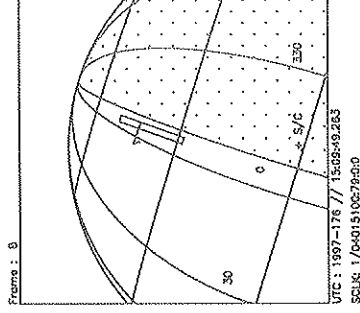
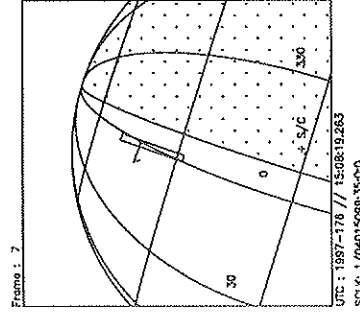
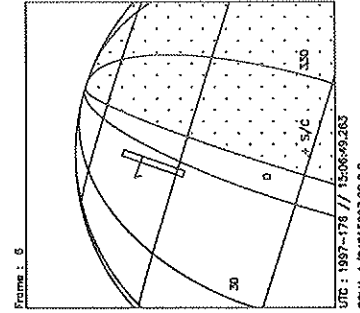
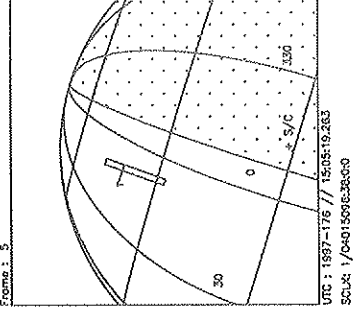
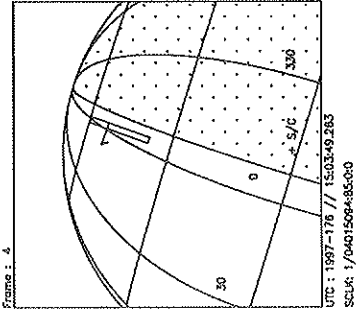
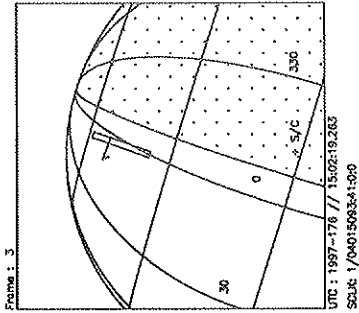
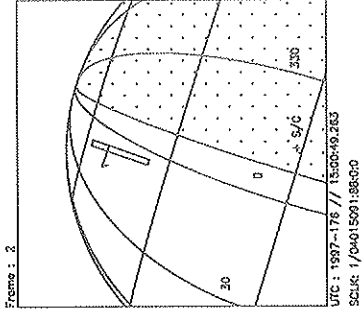
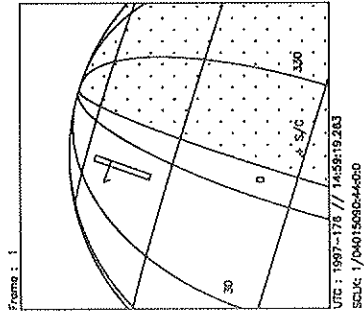
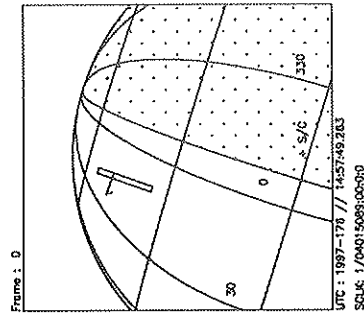
Target Body : CALLISTO
 Target Cone/Clock : 39.07/127.57 Deg
 S/C to Body Center : 20160.03 Km (8.3695243 Rc)
 Z-axis Pointing (Ra / Dec) : 398.78 / 341.48 Deg

UVS NIMS CALLISTO NORTH LATITUDE R/A

ACTIVITY ID: C9CUNNOLAT01+

START TIME: 97-176/14:56:52.933

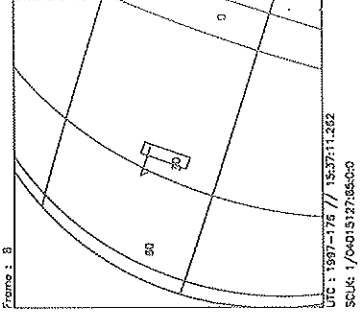
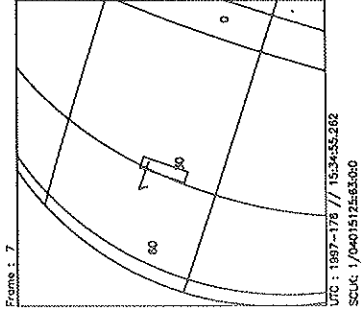
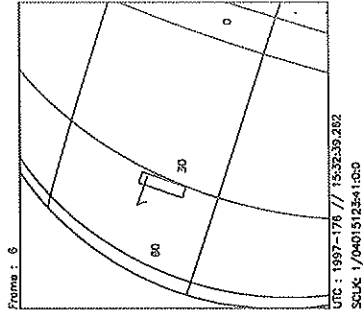
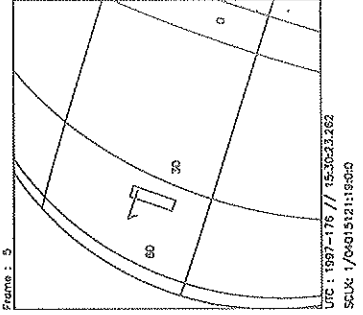
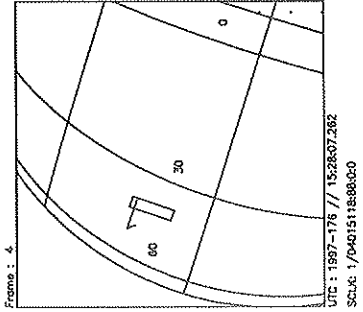
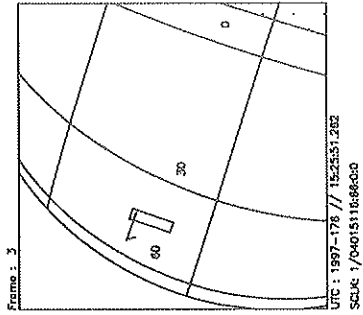
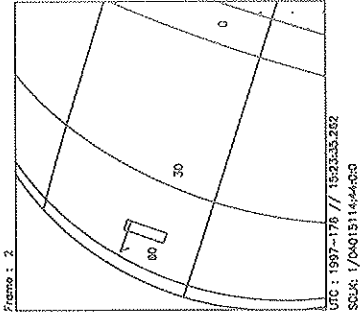
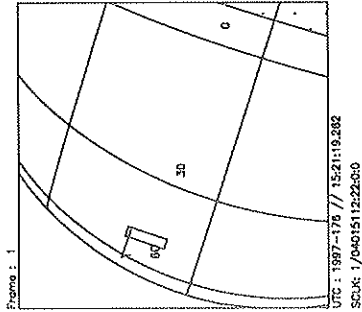
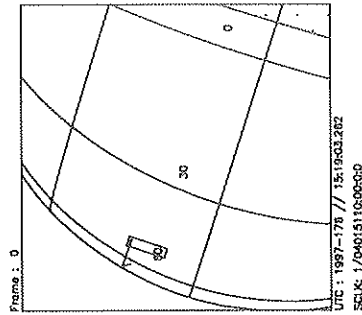
Activity ID: Orbit C9		OAPEL CUNNOLAT		SeqNo 01+	
Title	UVS NIMS CALLISTO NORTH LATITUDE R/A			Instrument	UVS
Requestor	UVS-SWG/J. AJELLO X37737	Team	UVS	Working Group	SWG
Time System	CDS	Load ID	C9A	Calendar Date	06/25/97
				Week	26
Start	CTE+CDS 00000068:00:0		97-176/14:56:52.933		CTE+000/01:08:45.333
End	CTE+CDS 00000081:00:0		97-176/15:10:01.600		CTE+000/01:21:54.000
Duration	00000013:00:0		000/00:13:08.667		000/00:13:08.667
Top Label	C9CUNNOLAT01+				
Bottom Label	(ride-along)				
Plot Key	UVS	Type	SCI		
CDS Bytes	38	Report Options	BOTH		
CDS Source	OAP	Spin State	ALL		
			Scan Platform	No	
			DMS	No	
Observation Objective					
	Ride-along w/ NIMS Callisto North Latitude observation. Extend the surface scattering property measurements into the ultraviolet (1600Å - 3200Å) in concert with NIMS measurements to infer information about particle size, and refractive and absorption properties of the surface materials.				
	UVS Configuration = 1215.1 / 1302.8 mini-scans				
Design Detail					
CDS	RIM	Command	Parameters	PSID	
38	000	CMDRS		(CG)	
	001	1	34UVS,D1,F,N,N,N,S,0,OFF,OFF,	ON, ON,OFF,NOOVR,1,5A,45,00,39	
	013	13	34UVS,C1,F,N,N,N,S,0,OFF,OFF,	ON,OFF,OFF,NOOVR,1,2C,05,00,00	



Start UTC_TIME : 1997-176 // 14:57:49.263
 End UTC_TIME : 1997-176 // 15:09:57.263
 Start SCLK : 1/04015089:00:00
 Delta Time between FOV : 90.00000
 FOVs : N/G Channel(0.5x0.5)

Target Body : CALLISTO
 Target Cone/Clock : 37.58/132.38 Deg
 S/C to Body Center : 33559.15 Km (13.965524 Rc)
 Z-axis Pointing (Ra / Dec) : 398.78 / 341.48 Deg

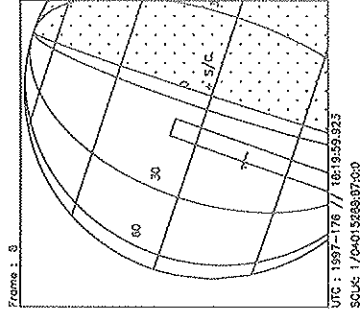
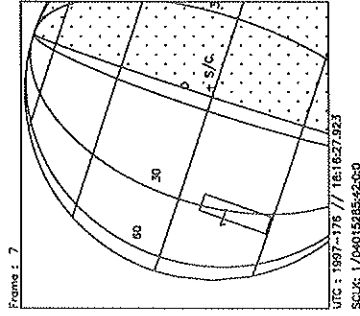
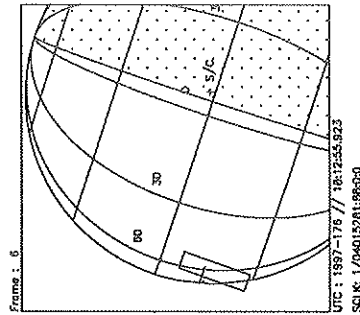
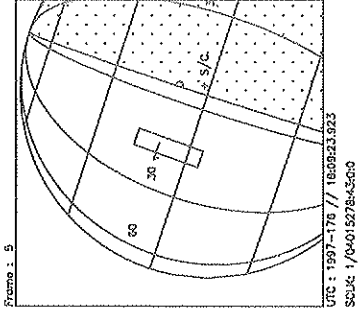
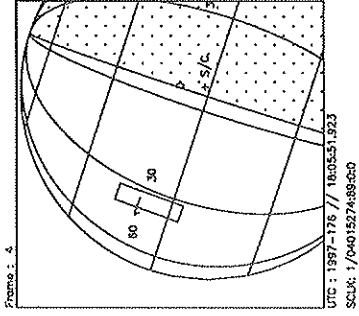
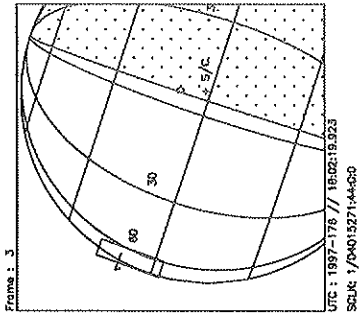
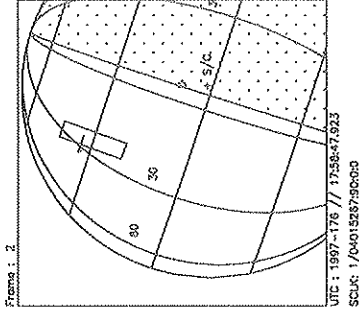
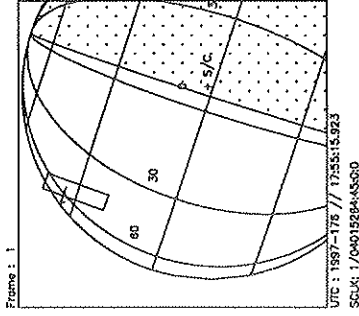
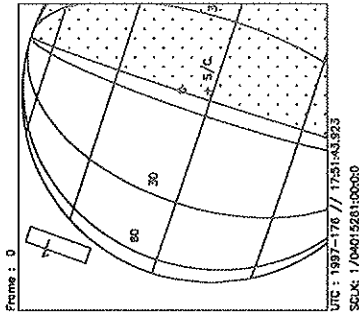
Activity ID: Orbit C9		OAPEL CUVALSPC		SeqNo 01+	
Title		UVS NIMS CALLISTO VALHALLA RIDE-ALONG		Instrument UVS	
Requestor		UVS-SWG/K.NAVIAUX 37740		Team UVS	
				Working Group SWG	
Time System CDS		Load ID C9A		Calendar Date 06/25/97	
				Week 26	
Start		CTE+CDS 00000086:00:0		97-176/15:15:04.933	
				CTE+000/01:26:57.333	
End		CTE+CDS 00000108:00:0		97-176/15:37:19.600	
				CTE+000/01:49:12.000	
Duration		00000022:00:0		000/00:22:14.667	
				000/00:22:14.667	
Top Label		C9CUVALSPC01+			
Bottom Label		(ride-along)			
Plot Key		UVS		Type SCI	
CDS Bytes		38		Report Options BOTH	
				Scan Platform No	
CDS Source		OAP		Spin State DUAL	
				DMS No	
Observation Objective					
<div style="display: flex; align-items: flex-start;"> <div style="border: 1px solid black; width: 200px; height: 150px; margin-right: 10px;"></div> <div> <p>Ride-along w/ NIMS Callisto Valhalla observation. Extend the surface scattering property measurements into the ultraviolet (1600Å - 3200Å) in concert with NIMS measurements to infer information about particle size, and refractive and absorption properties of the surface materials.</p> <p>UVS Configuration = F/F Full Scans</p> </div> </div>					
Design Detail					
CDS RIM Command Parameters				PSID	
-----				-----	
38	003	CMDRS		(CH)	
	004	1	34UVS,07,S,N,N,N,S,0,	ON,OFF,OFF,	ON,OFF,NOOVR,1,00,9C,00,00
	022	19	34UVS,C1,F,N,N,N,S,0,	OFF,OFF,	ON,OFF,OFF,NOOVR,1,2C,05,00,00



Start UTC_TIME : 1997-176 // 15:19:03.262
 End UTC_TIME : 1997-176 // 15:37:15.262
 Start SCLK : 1/04015110:00:00
 Delta Time between FOV : 136.0000
 FOVs : N/G Channel(0.5x0.5)

Target Body : CALLISTO
 Target Cone/Clock : 37.11/134.12 Deg
 S/C to Body Center : 43631.40 Km (18,157052 Rc)
 Z-axis Pointing (Ro / Dec) : 398.78 / 341.46 Deg

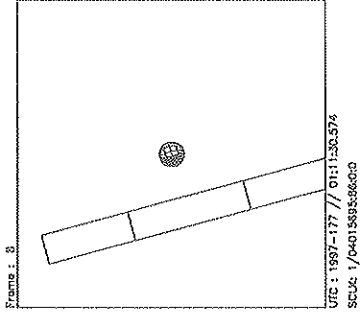
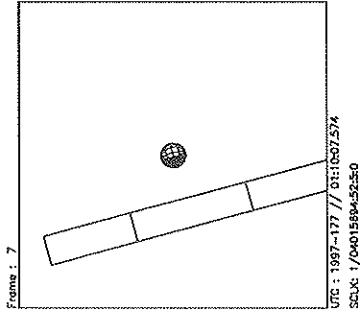
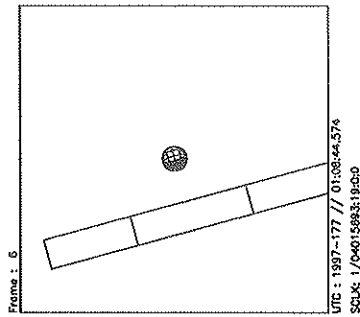
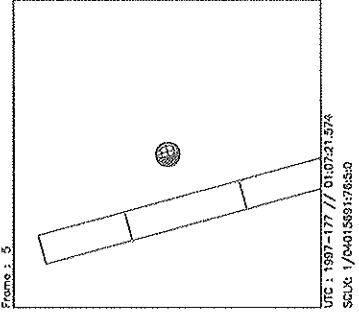
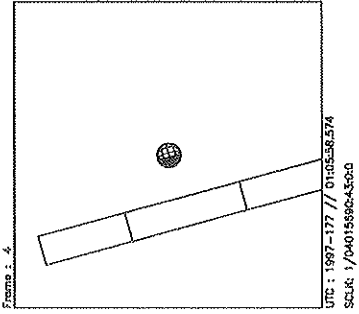
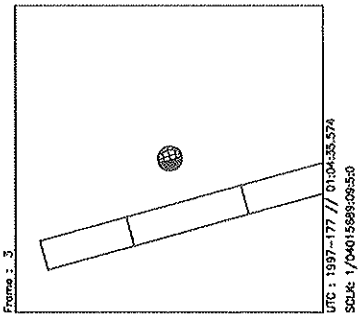
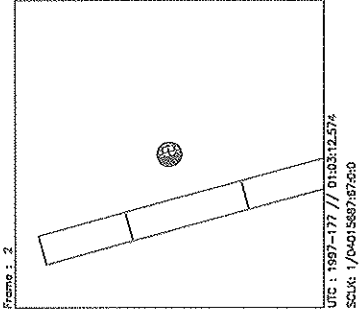
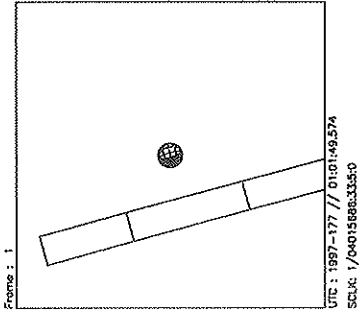
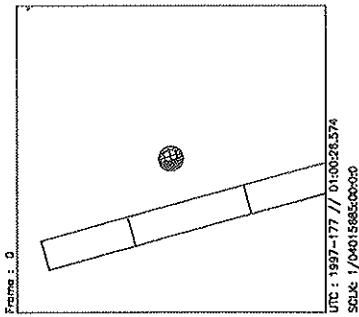
Activity ID: Orbit C9	OAPEL CUVALHAL	SeqNo 01+
Title	UVS NIMS CALLISTO VALHALLA RIDE-ALONG	Instrument UVS
Requestor	UVS-SWG/J. AIELLO X37737	Team UVS
		Working Group SWG
Time System CDS	Load ID C9A	Calendar Date 06/25/97
		Week 26
Start	CTE+CDS 00000237:00:0	97-176/17:47:45.600
		CTE+000/03:59:38.000
End	CTE+CDS 00000269:00:0	97-176/18:20:06.933
		CTE+000/04:31:59.333
Duration	00000032:00:0	000/00:32:21.333
		000/00:32:21.333
Top Label	C9CUVALHAL01+	
Bottom Label	(ride-along)	
Plot Key	UVS	Type SCI
CDS Bytes	38	Report Options BOTH
		Scan Platform No
CDS Source	OAP	Spin State ALL
		DMS No
Observation Objective		
	Ride-along w/ NIMS Callisto Valhalla observation. Extend the surface scattering property measurements into the ultraviolet (1600Å - 3200Å) 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	
Design Detail		
CDS RIM Command Parameters	PSID	
-----	-----	
38 003 CMDRS	(CI)	
004 1 34UVS,07,S,N,N,N,S,0,	ON,OFF,OFF, ON,OFF,NOOVR,1,03,9C,00,00	
032 29 34UVS,C1,F,N,N,N,S,0,	OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00	



Start UTC_TIME : 1997-176 // 17:51:43.923
 End UTC_TIME : 1997-176 // 18:20:02.589
 Start SCLK : 1/04015261:00:00
 Delta Time between FOV : 212.0000
 FOVs : N/G Channel(0.5x0.5)

Target Body : CALLISTO
 Target Cone/Clock : 36.22/137.88 Deg
 S/C to Body Center : 116225.1 Km (48.366669 Rc)
 Z-axis Pointing (Ra / Dec) : 398.78 / 341.48 Deg

Activity ID: Orbit C9		OAPEL EUPHAS81		SeqNo 01-	
Title		UVS EUROPA PHASE (~81 deg)		Instrument UVS	
Requestor		UVS-SWG/K.NAVIAUX 37740		Team UVS	
				Working Group SWG	
Time System CDS		Load ID C9A		Calendar Date 06/26/97	
				Week 26	
Start		JEE-CDS 00002079:00:0		97-177/00:55:27.466	
				JEE-001/11:02:06.000	
End		JEE-CDS 00002063:00:0		97-177/01:11:38.133	
				JEE-001/10:45:55.333	
Duration		00000016:00:0		000/00:16:10.667	
				000/00:16:10.667	
Top Label		C9EUPHAS8101-			
Bottom Label		(real-time)			
Plot Key		UVS		Type SCI	
CDS Bytes		148		Report Options BOTH	
				Scan Platform Yes	
CDS Source		OAP		Spin State DUAL	
				DMS No	
Observation Objective					
<div style="border: 1px solid black; width: 150px; height: 150px; display: inline-block; vertical-align: top; margin-right: 10px;"></div> <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>1 scan-platform drift across Europa in real-time at ~81° phase (~xxx longitude; 11 RIM 3-sigma drift rate) using the UVS 10bps RTS rate.</p> <p>UVS Configuration = F/N Full Scans, TMC ON</p>					
Design Detail					
CDS	RIM	Command	Parameters	PSID	
28	002	+UVFLUSH	DISCRD,UVS	(CE)	
38	004	CMDRS		(CJ)	
	005	1	34UVS,07,S,N,N,N,S,0, ON, ON,OFF, ON,OFF,NOOVR,1,00,9C,01,2C		
	016	12	34UVS,C1,F,N,N,N,S,0,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00		
54	005	TARGET	{4 RIM Posn_slew, TMC ON}	(CD)	
28	014	+UVFLUSH	PACKET,UVS	(CF)	



Start UTC_TIME : 1997-177 // 01:00:26.574
 End UTC_TIME : 1997-177 // 01:11:33.907
 Start SCLK : 1/0401568500:00
 Delta Time between FOV : 83.00000
 FOVs : N/G Channel(0.5x0.5)

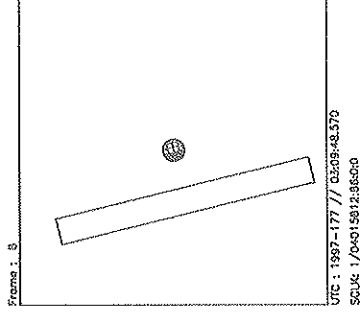
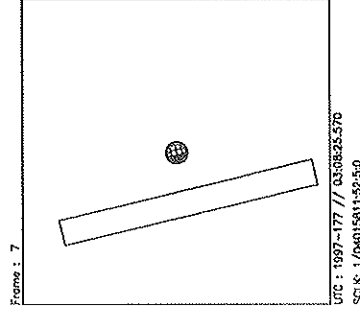
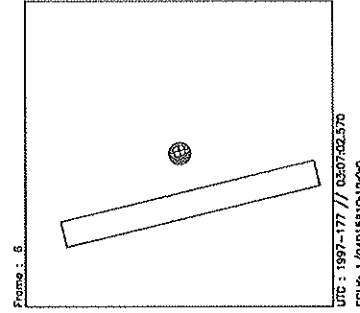
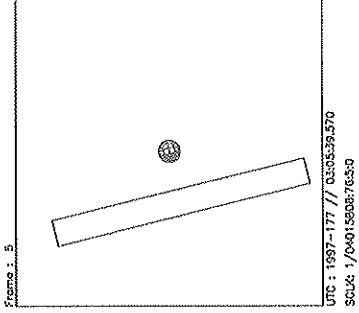
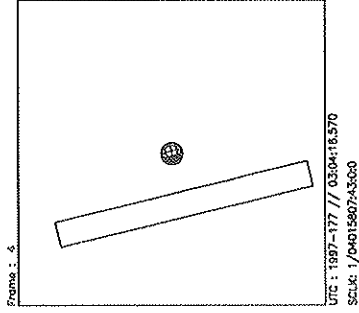
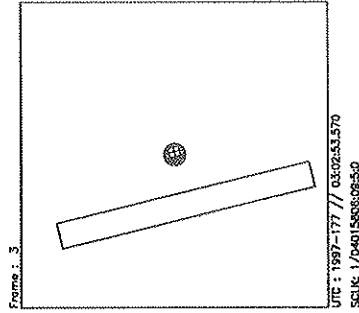
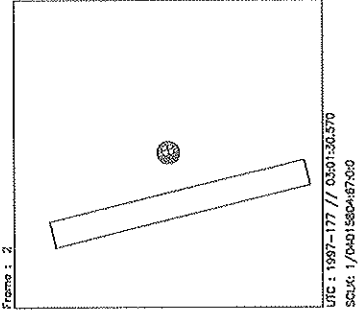
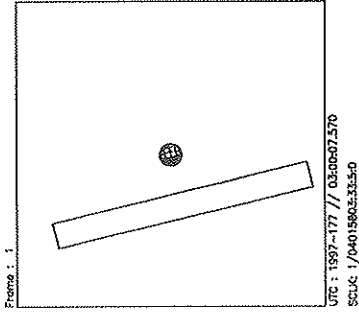
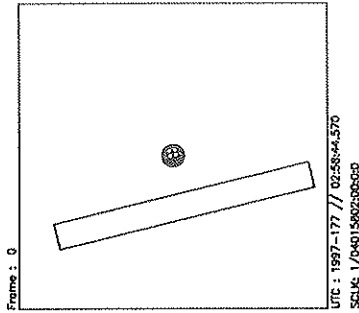
Target Body : EUROPA
 Target Cone/Clock : 140.46/308.02 Deg
 S/C to Body Center : 2198922. Km (1405.0621 Re)
 Z-axis Pointing (Ra / Dec) : 398.78 / 341.48 Deg

UVS EUROPA PHASE (~77 deg)

ACTIVITY ID: C9EUPHAS7701-

START TIME: 97-177/02:54:46.133

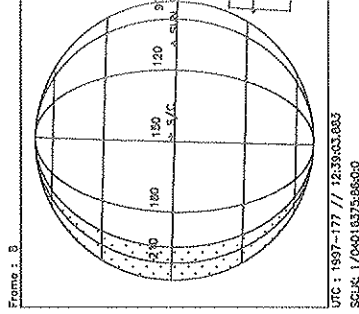
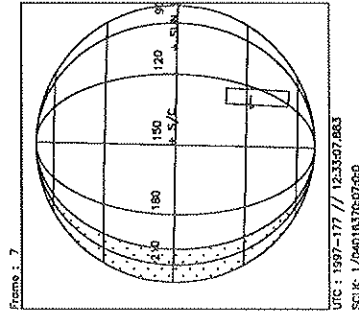
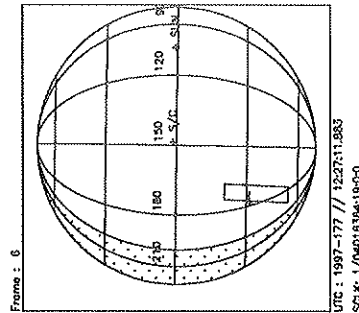
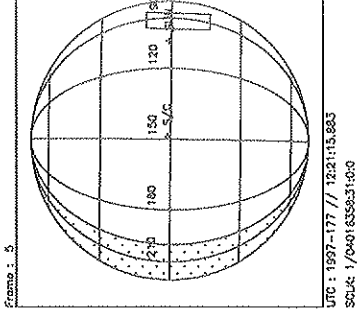
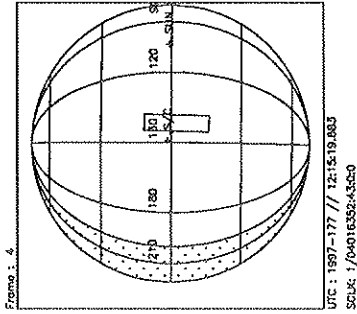
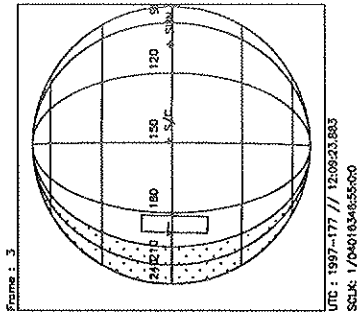
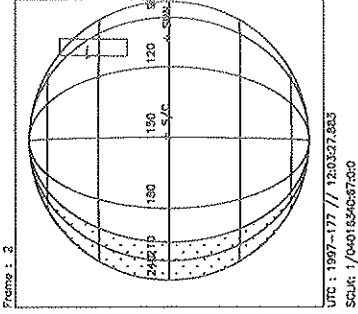
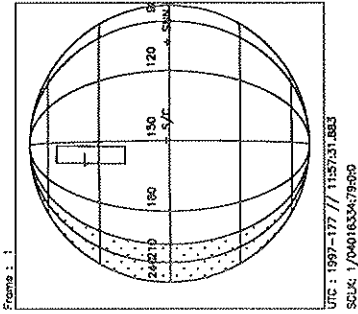
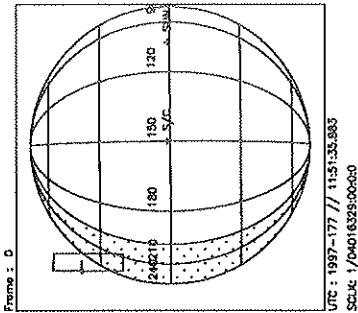
Activity ID: Orbit C9		OAPEL EUPHAS77		SeqNo 01-	
Title	UVS EUROPA PHASE (~77 deg)			Instrument	UVS
Requestor	UVS-SWG/K.NAVIAUX 37740	Team	UVS	Working Group	SWG
Time System	CDS	Load ID	C9A	Calendar Date	06/26/97 Week 26
Start	JEE-CDS 00001961:00:0		97-177/02:54:46.133		JEE-001/09:02:47.333
End	JEE-CDS 00001946:00:0		97-177/03:09:56.133		JEE-001/08:47:37.333
Duration	00000015:00:0		000/00:15:10.000		000/00:15:10.000
Top Label	C9EUPHAS7701-				
Bottom Label	(real-time)				
Plot Key	UVS	Type	SCI		
CDS Bytes	148	Report Options	BOTH	Scan Platform	Yes
CDS Source	OAP	Spin State	DUAL	DMS	No
Observation Objective					
	<p>Observe 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>1 scan-platform drift across Europa in real-time at ~77° phase (~xxx longitude ; 11 RIM 3-sigma drift rate) using the UVS 10bps RTS rate. The drift will only include 11 RIMs HV On / 19 RIMs HV Off for PWS time sharing.</p> <p>UVS Configuration = 1215.1 / 1302.8 mini-scans, TMC ON</p>				
	<p><i>NO!</i></p> <p><i>off disk on dark?</i></p>				
	<p><i>Yes</i></p>				
Design Detail					
CDS RIM Command Parameters					PSID
28 002+UVFLUSH DISCRD,UVS					(CG)
38 003 CMDRS					(CK)
004 1 34UVS,D1,F,N,N,N,S,0,OFF,OFF,	ON, ON,OFF,NOOVR,1,5A,45,00,39				
015 12 34UVS,C1,F,N,N,N,S,0,OFF,OFF,	ON,OFF,OFF,NOOVR,1,2C,05,00,00				
54 004 TARGET (4 RIM Posn_slew, TMC ON)					(CE)
28 014+UVFLUSH PACKET,UVS					(CH)



Start UTC_TIME : 1997-177 // 02:58:44.570
 End UTC_TIME : 1997-177 // 03:09:51.903
 Start SCLK : 1/04015802:00:00
 Delta Time between FOV : 83.00000
 FOVs : N/G Channel(0.5x0.5)

Target Body : EUROPA
 Target Cone/Clock : 138.15/302.37 Deg
 S/C to Body Center : 2125569. Km (1358.1910 Re)
 Z-axis Pointing (Ra / Dec) : 398.78 / 341.48 Deg

Activity ID: Orbit C9		OAPEL GUGLOBAL		SeqNo 01+	
Title	UVS NIMS GANYMEDE GLOBAL 1 RIDE-ALONG			Instrument	UVS
Requestor	UVS-SWG/K.NAVIAUX 37740	Team	UVS	Working Group	SWG
Time System	CDS	Load ID	C9A	Calendar Date	06/26/97
				Week	26
Start	GEE-CDS 00000328:00:0		97-177/11:48:38.200		GEE-000/05:31:38.666
End	GEE-CDS 00000278:00:0		97-177/12:39:11.533		GEE-000/04:41:05.333
Duration	00000050:00:0		000/00:50:33.333		000/00:50:33.333
Top Label	C9GUGLOBAL01+				
Bottom Label	(ride-along)				
Plot Key	UVS	Type	SCI		
CDS Bytes	38	Report Options	BOTH	Scan Platform	No
CDS Source	OAP	Spin State	DUAL	DMS	No
Observation Objective					
	Ride-along w/ NIMS Ganymede Global 1 observation. Extend the surface scattering property measurements into the ultraviolet (1600Å - 3200Å) 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				
Design Detail					
CDS RIM Command Parameters				PSID	
-----				-----	
38 002 CMDRS				(CL)	
003 1	34UVS,07,S,N,N,N,S,0,	ON,OFF,OFF,	ON,OFF,NOOVR,1,00,9C,00,00		
050 48	34UVS,C1,F,N,N,N,S,0.OFF,OFF,	ON,OFF,OFF,NOOVR,1,2C,05,00,00			



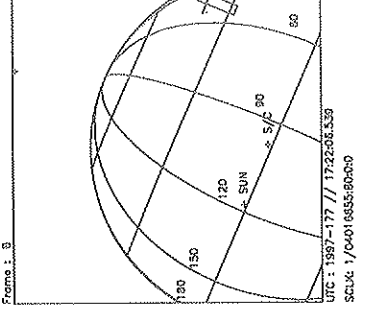
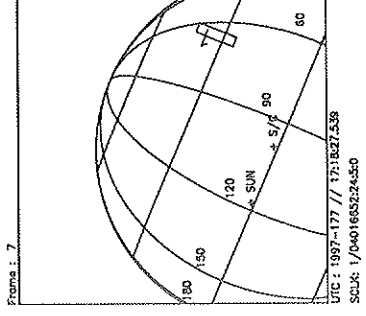
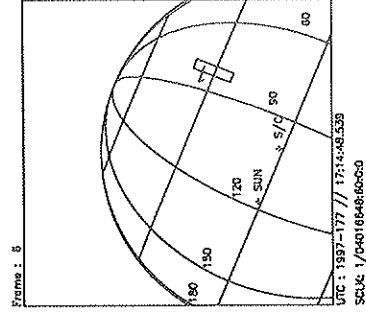
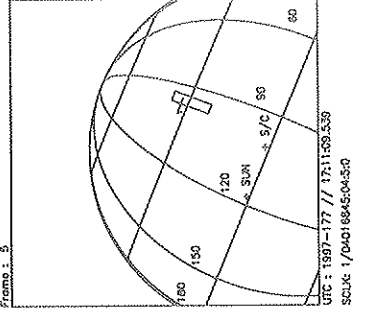
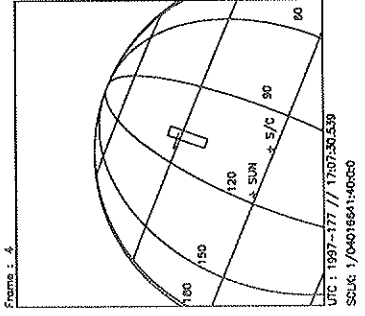
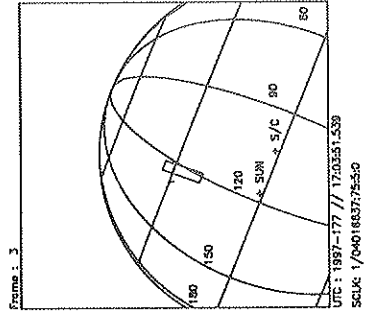
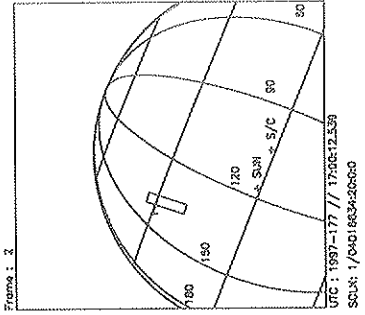
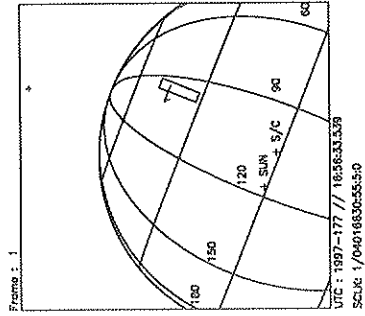
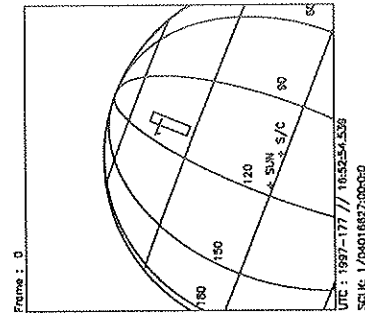
Start UTC_TIME : 1997-177 // 11:51:35.883
 End UTC_TIME : 1997-177 // 12:39:07.215
 Start SCLK : 1/04016329:00:00
 Delta Time between FOV : 356.0000
 FOVs : N/G Channel(0.5x0.5)

Target Body : GANYMEDE
 Target Cone/Clock : 115.31/273.27 Deg
 S/C to Body Center : 187896.4 Km (71.335013 Rg)
 Z-axis Pointing (Ro / Dec) : 398.78 / 341.48 Deg

Activity ID: Orbit C9		OAPEL GUDRKLIT		SeqNo 01+	
Title	UVS NIMS GANYMEDE DRKLIT RIDE-ALONG			Instrument	UVS
Requestor	UVS-SWG/K.NAVIAUX 37740	Team	UVS	Working Group	SWG
Time System	CDS	Load ID	C9A	Calendar Date	06/26/97
				Week	26
Start	GEE-CDS 00000031:00:0		97-177/16:48:56.200		GEE-000/00:31:20.666
End	GEE+CDS 00000002:00:0		97-177/17:22:18.199		GEE+000/00:02:01.333
Duration	00000033:00:0		000/00:33:21.999		000/00:33:21.999
Top Label	C9GUDRKLIT01+				
Bottom Label	(ride-along)				
Plot Key	UVS	Type	SCI		
CDS Bytes	38	Report Options	BOTH	Scan Platform	No
CDS Source	OAP	Spin State	DUAL	DMS	No
Observation Objective					
	Ride-along w/ NIMS Ganymede DRKLIT observation. Extend the surface scattering property measurements into the ultraviolet (1600Å - 3200Å) 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				
Design Detail					
CDS	RIM	Command	Parameters	PSID	
---	---	---	---	---	
38	003	CMDRS		(CM)	
	004	1	34UVS,07,S,N,N,N,S,0,	ON,OFF,OFF,	ON,OFF,NOOVR,1,00,9C,00,00
	033	30	34UVS,C1,F,N,N,N,S,0,	OFF,OFF,	ON,OFF,OFF,NOOVR,1,2C,05,00,00

C9GUDRKLIT01 (C9AJE)

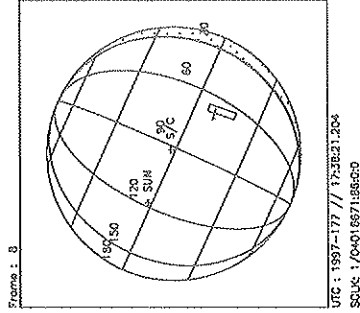
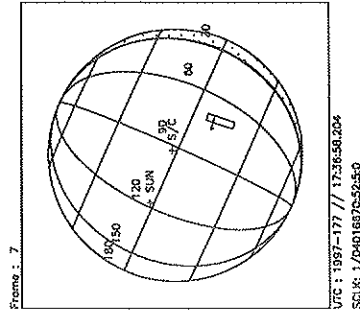
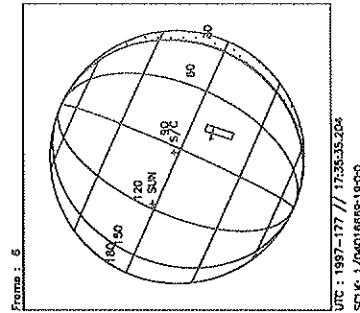
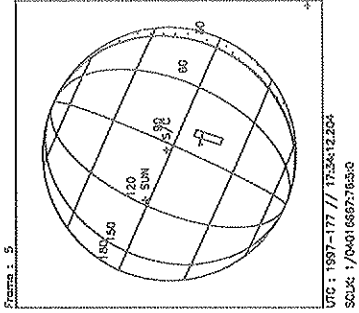
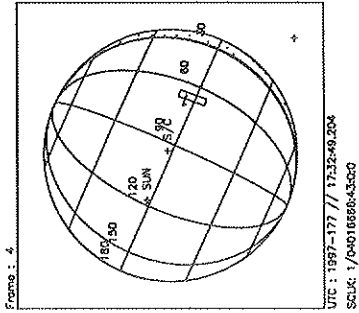
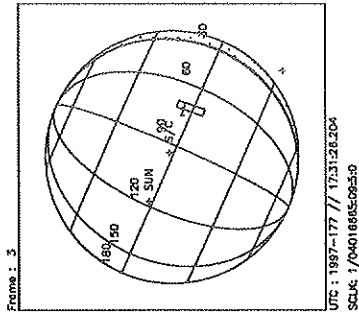
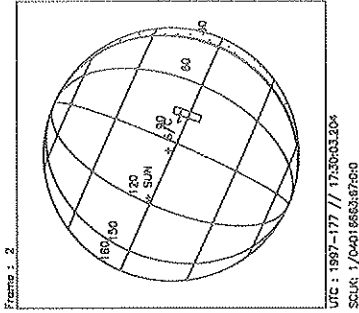
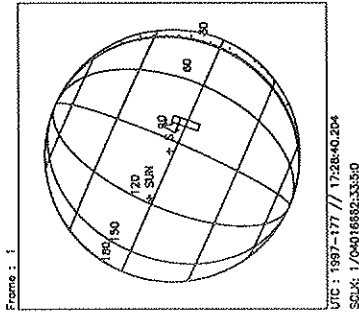
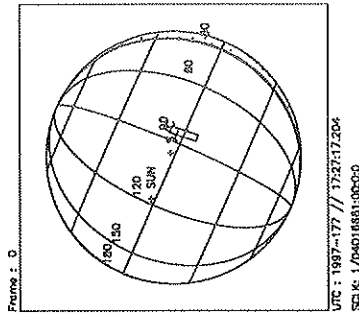
Mon Jun 23 19:27:43 1997



Start UTC_TIME : 1997-177 // 16:52:54.539
 End UTC_TIME : 1997-177 // 17:22:13.871
 Start SCLK : 1/04016627:00:00
 Delta Time between FOV : 219.0000
 FOVs : N/G Channel(0.5x0.5)

Target Body : CANYMEDE
 Target Cone/Clock : 69.92/241.13 Deg
 S/C to Body Center : 83538.95 Km (31.715621 Rg)
 Z-axis Pointing (Ra / Dec) : 398.78 / 341.48 Deg

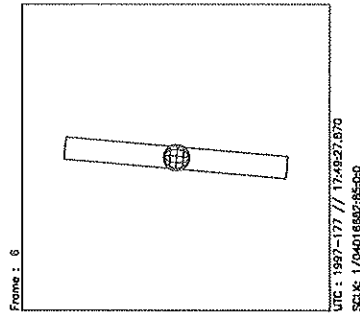
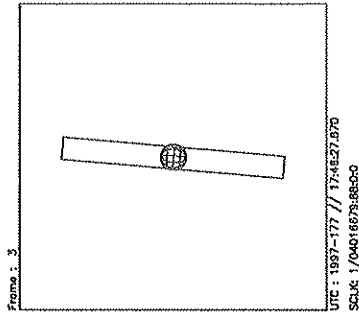
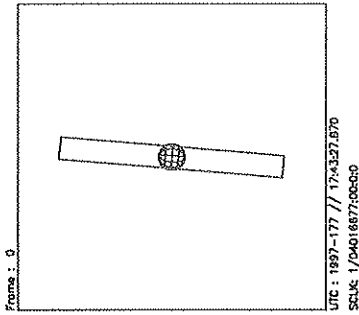
Activity ID: Orbit C9		OAPEL GUBRILED		SeqNo 01+	
Title UVS NIMS GANYMEDE BRILED RIDE-ALONG			Instrument UVS		
Requestor UVS-SWG/K.NAVIAUX 37740		Team UVS		Working Group SWG	
Time System CDS		Load ID C9A		Calendar Date 06/26/97	
				Week 26	
Start GEE+CDS 00000002:00:0		97-177/17:22:18.199		GEE+000/00:02:01.333	
End GEE+CDS 00000018:00:0		97-177/17:38:28.866		GEE+000/00:18:12.000	
Duration 00000016:00:0		000/00:16:10.667		000/00:16:10.667	
Top Label C9GUBRILED01+					
Bottom Label (ride-along)					
Plot Key UVS		Type SCI			
CDS Bytes 38		Report Options BOTH		Scan Platform No	
CDS Source OAP		Spin State DUAL		DMS No	
Observation Objective					
<div style="display: flex; align-items: flex-start;"> <div style="border: 1px solid black; width: 200px; height: 150px; margin-right: 10px;"></div> <div> <p>Ride-along w/ NIMS Ganymede BRILED observation. Extend the surface scattering property measurements into the ultraviolet (1600Å - 3200Å) in concert with NIMS measurements to infer information about particle size, and refractive and absorption properties of the surface materials.</p> <p>UVS Configuration = F/F Full Scans</p> </div> </div>					
Design Detail					
CDS RIM Command Parameters				PSID	
-----				-----	
38	004	CMDRS		{CN}	
	005	1	34UVS,07,S,N,N,N,S,0,	ON,OFF,OFF,	ON,OFF,NOOVR,1,00,9C,00,00
	016	12	34UVS.C1,F,N,N,N,S,0,OFF,OFF,	ON,OFF,OFF,NOOVR,1,2C,05,00,00	



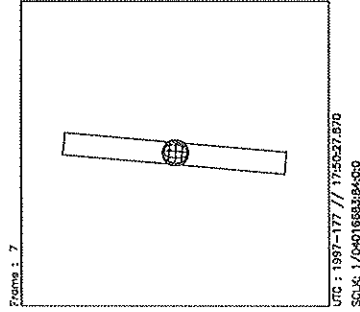
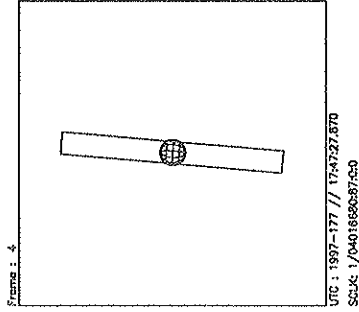
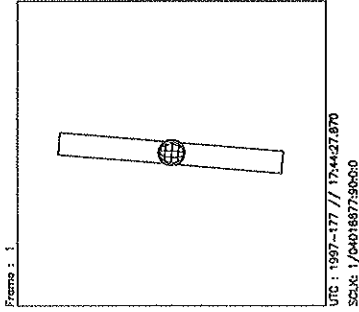
Start UTC_TIME : 1997-177 // 17:27:17.204
 End UTC_TIME : 1997-177 // 17:38:24.537
 Start SCLK : 1/0401668100000
 Delta Time between FOV : 83.00000
 FOVs : N/G Channel(0.5x0.5)

Target Body : GANYMEDE
 Target Cone/Clock : 60.32/233.00 Deg
 S/C to Body Center : 82523.97 Km (31.330286 Rg)
 Z-axis Pointing (Ra / Dec) : 398.78 / 341.48 Deg

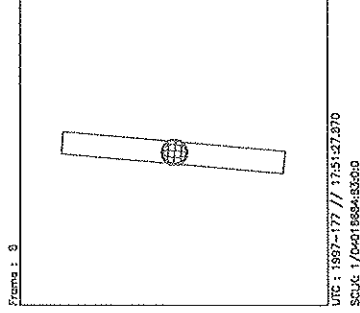
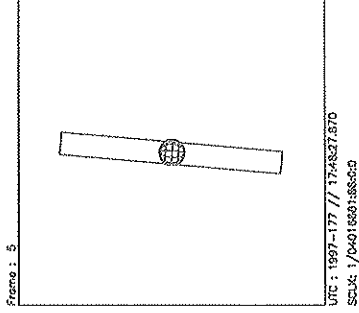
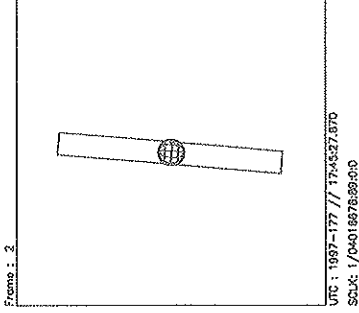
Activity ID:	Orbit C9	OAPEL EUDARK__	SeqNo	01-
Title	UVS EUROPA OBSERVED WHILE IN ECLIPSE		Instrument	UVS
Requestor	UVS-SWG/J. AIELLO X37737	Team	UVS	Working Group SWG
Time System	CDS	Load ID	C9A	Calendar Date 06/26/97 Week 26
Start	GEE+CDS 00000019:00:0		97-177/17:39:29.532	GEE+000/00:19:12.666
End	GEE+CDS 00000032:00:0		97-177/17:52:38.199	GEE+000/00:32:21.333
Duration	00000013:00:0		000/00:13:08.667	000/00:13:08.667
Top Label	C9EUDARK__01-			
Bottom Label	(real-time)			
Plot Key	UVS	Type	SCI	
CDS Bytes	148	Report Options	BOTH	Scan Platform Yes
CDS Source	OAP	Spin State	DUAL	DMS No
Observation Objective				
	Observe Europa while in shadow in Lyman-alpha / 1304.			
	TMC ON			
Design Detail				
CDS RIM Command Parameters				PSID
28 003+UVFLUSH DISCRD,UVS				(CA)
38 003 CMDRS				(CA)
004 1 34UVS,D1,F,N,N,N,S,0,OFF,OFF,	ON, ON,OFF,NOOVR,1,5A,45,00,39			
012 9 34UVS,C1,F,N,N,N,S,0,OFF,OFF,	ON,OFF,OFF,NOOVR,1,2C,05,00,00			
54 004 TARGET (4 RIM Posn_slew, TMC ON)				(CA)
28 012+UVFLUSH PACKET,UVS				(CB)



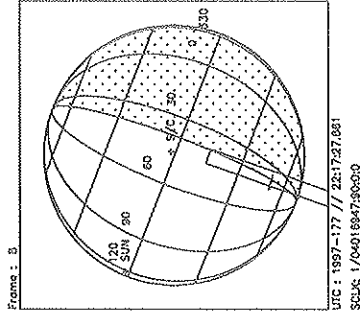
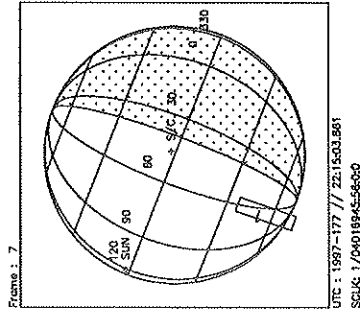
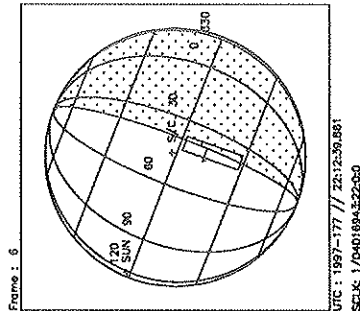
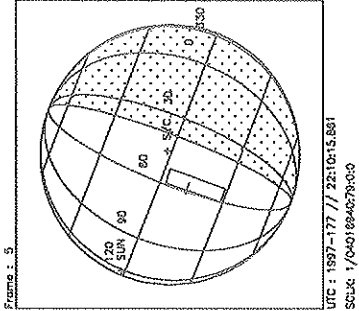
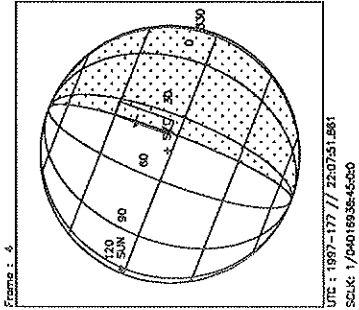
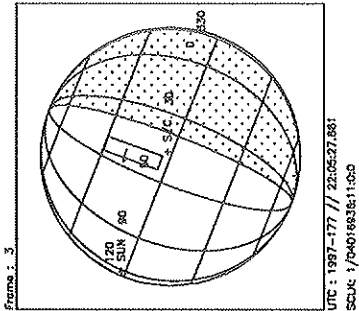
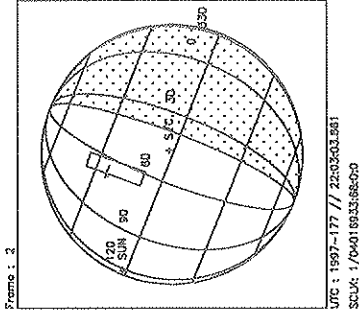
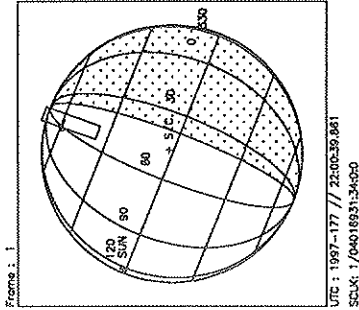
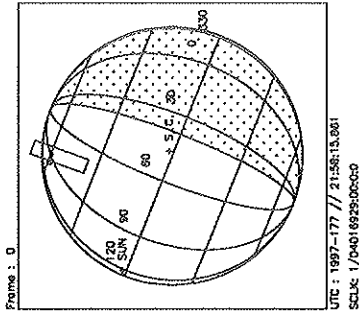
Start UTC_TIME : 1997-177 // 17:43:27.870
End UTC_TIME : 1997-177 // 17:51:33.203
Start SCLK : 1/0401667700:00
Delta Time between FOV : 60.00000
FOVs : N/G Channel(0.5x0.5)



Target Body : EUROPA
Target Cone/Clock : 108.44/267.50 Deg
S/C to Body Center : 1529567. Km (977.35924 Re)
Z-axis Pointing (Ra / Dec) : 398.78 / 341.48 Deg



Activity ID: Orbit C9	OAPEL GUGLOBAL	SeqNo 02+
Title	UVS NIMS GANYMEDE GLOBAL 2 RIDE-ALONG	Instrument UVS
Requestor	UVS-SWG/J. AIELLO X37737	Team UVS
		Working Group SWG
Time System CDS	Load ID C9A	Calendar Date 06/26/97
		Week 26
Start	GEE+CDS 00000271:00:0	97-177/21:54:17.532
		GEE+000/04:34:00.666
End	GEE+CDS 00000294:00:0	97-177/22:17:32.866
		GEE+000/04:57:16.000
Duration	00000023:00:0	000/00:23:15.334
		000/00:23:15.334
Top Label	C9GUGLOBAL02+	
Bottom Label	(ride-along)	
Plot Key	UVS	Type SCI
CDS Bytes	38	Report Options BOTH
		Scan Platform No
CDS Source	OAP	Spin State DUAL
		DMS No
Observation Objective		
	Ride-along w/ NIMS Ganymede Global 2 observation. Extend the surface scattering property measurements into the ultraviolet (1600Å - 3200Å) 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	
Design Detail		
CDS RIM Command Parameters	PSID	
-----	-----	
38 003 CMDRS	(CX)	
004 1 34UVS,07,S,N,N,N,S,0,	ON,OFF,OFF, ON,OFF,NOOVR,1,00,9C,00,00	
023 20 34UVS,C1,F,N,N,N,S,0,	OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00	



Start UTC_TIME : 1997-177 // 21:58:15.861
End UTC_TIME : 1997-177 // 22:17:28.527
Start SCLK : 1/04016929:00:00
Delta Time between FOV : 144.0000
FOVs : N/G Channel(0.5x0.5)

Target Body : GANYMEDE
Target Cone/Clock : 33.65/157.56 Deg
S/C to Body Center : 163859.5 Km (62.209378 Rg)
Z-axis Pointing (Ra / Dec) : 398.78 / 341.48 Deg

UVS EUROPA PHASE (~3 deg)

ACTIVITY ID: C9EUPHAS0301-

START TIME: 97-178/02:32:20.800

Activity ID: Orbit C9	OAPEL EUPHAS03	SeqNo 01-
Title UVS EUROPA PHASE (~3 deg)		Instrument UVS
Requestor UVS-SWG/J. AIELLO X37737	Team UVS	Working Group SWG

Time System CDS	Load ID C9A	Calendar Date 06/27/97	Week 26
Start JEE-CDS 00000559:00:0	97-178/02:32:20.800	JEE-000/09:25:12.666	
End JEE-CDS 00000552:00:0	97-178/02:39:25.466	JEE-000/09:18:08.000	
Duration 00000007:00:0	000/00:07:04.666	000/00:07:04.666	

Top Label C9EUPHAS0301-		
Bottom Label (real-time)		
Plot Key UVS	Type SCI	
CDS Bytes 148	Report Options BOTH	Scan Platform Yes
CDS Source OAP	Spin State DUAL	DMS No

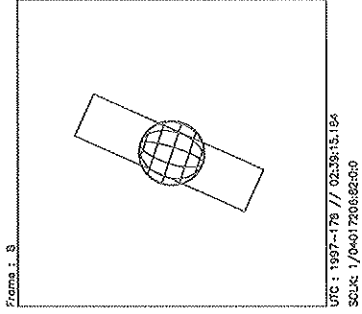
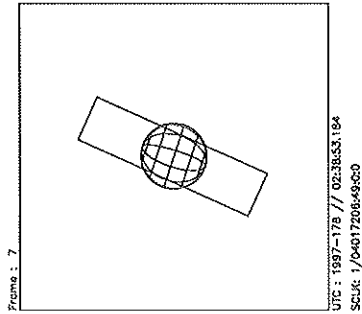
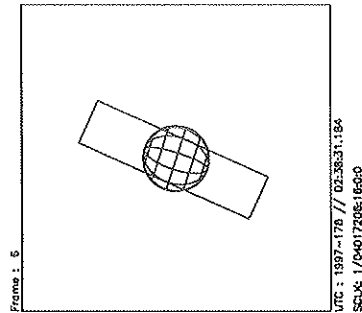
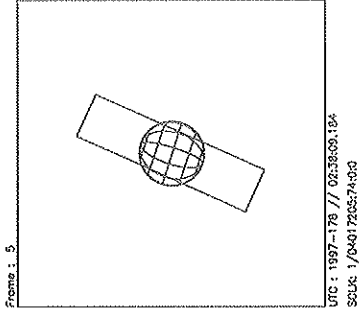
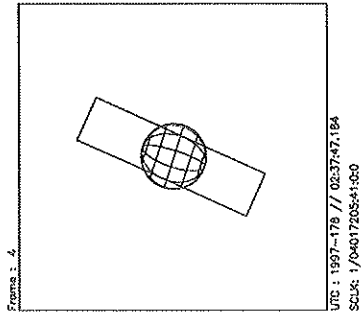
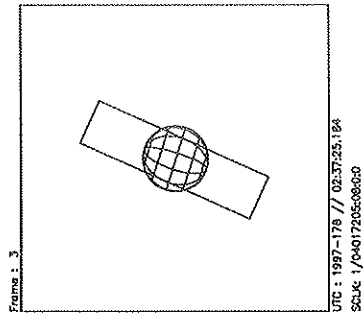
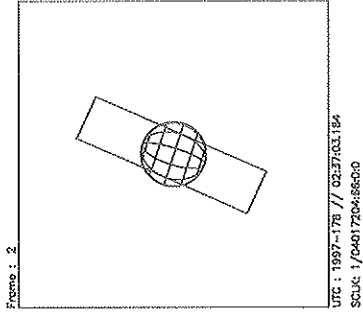
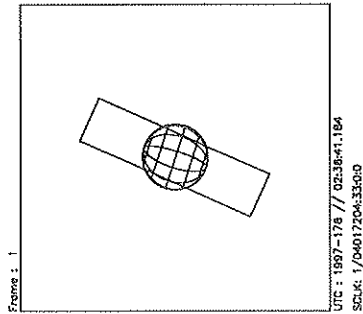
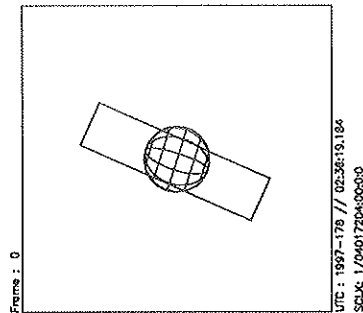
Observation Objective

F-F Full scans of Europa at approximately 3 degrees phase.

TMC ON

Design Detail

CDS	RIM	Command	Parameters	PSID
28	002+	UVFLUSH	DISCRD,UVS	(CZ)
38	003	CMDRS		(CU)
	004	1	34UVS,07,S,N,N,N,S,0, ON,OFF,OFF, ON,OFF,NOOVR,1,00,9C,00,00	
	007	4	34UVS,C1,F,N,N,N,S,0,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00	
54	004	TARGET	(4 RIM Posn_slew, TMC ON)	(CF)
28	006+	UVFLUSH	PACKET,UVS	(ZA)



Start UTC_TIME : 1997-178 // 02:36:19.184
End UTC_TIME : 1997-178 // 02:39:21.184
Start SCLK : 1/04017204:00:00
Delta Time between FOV : 22.00000
FOVs : N/S Channel(0.5x0.5)

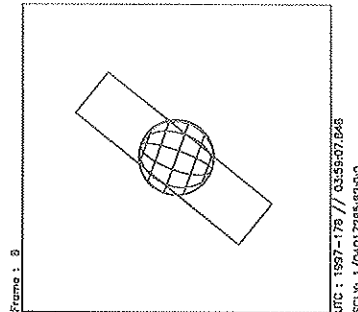
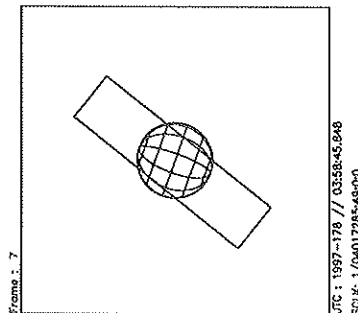
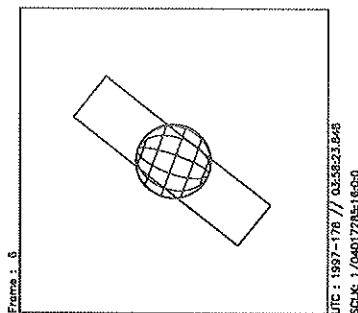
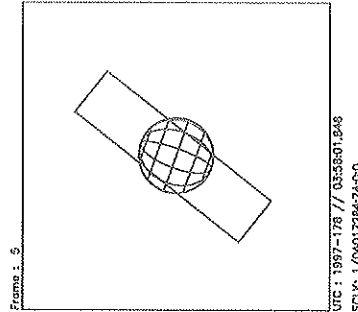
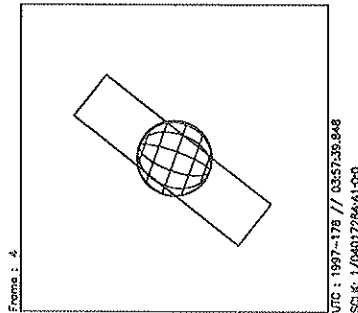
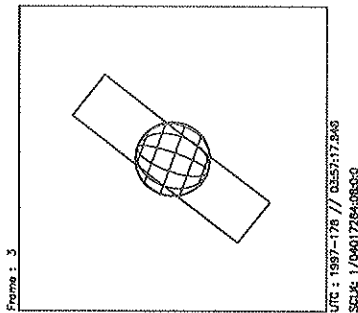
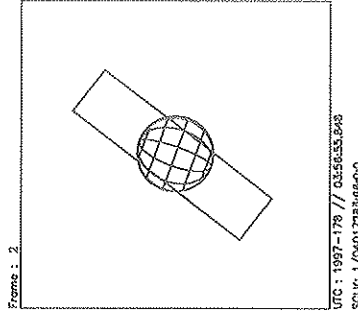
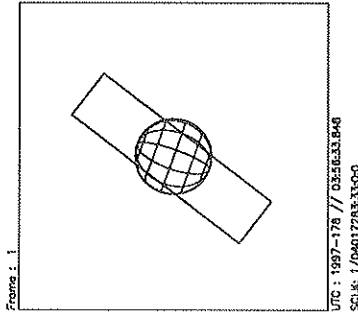
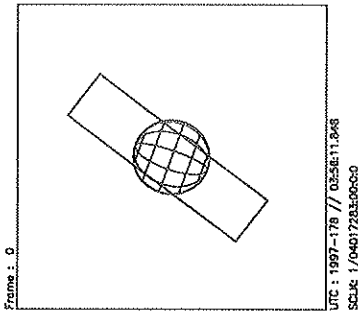
Target Body : EUROPA
Target Cone/Clock : 79.75/247.97 Deg
S/C to Body Center : 1270044. Km (811.52973 Re)
Z-axis Pointing (Ro / Dec) : 398.78 / 341.48 Deg

UVS EUROPA PHASE (~5 deg)

ACTIVITY ID: C9EUPHAS0501-

START TIME: 97-178/03:52:13.467

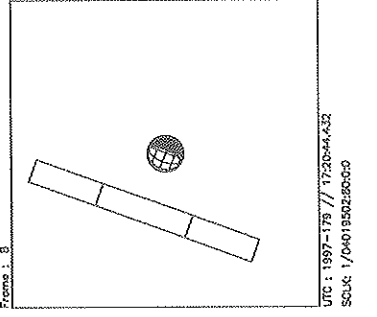
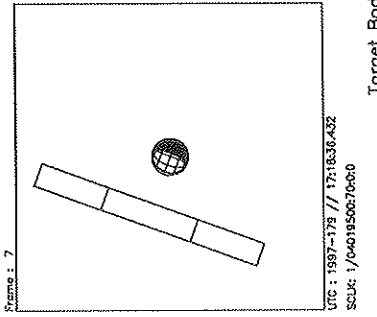
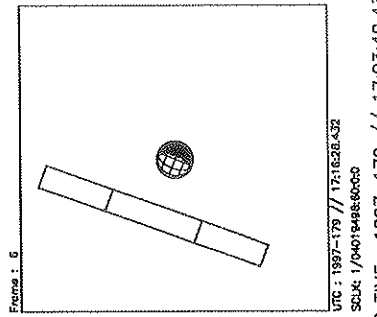
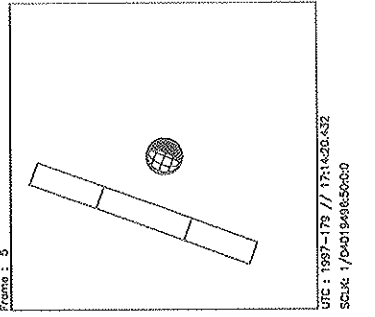
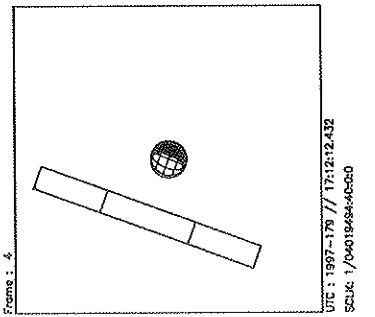
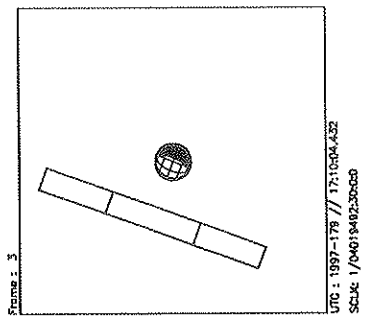
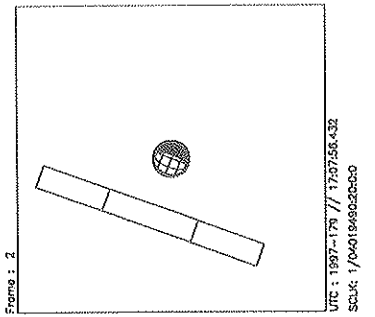
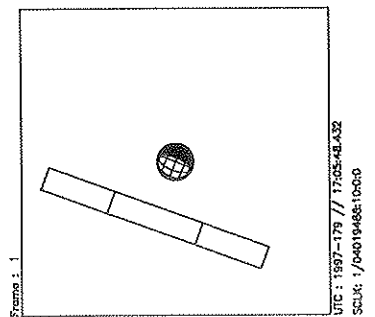
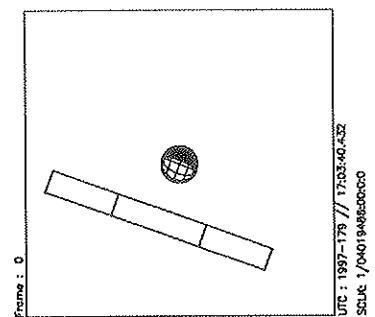
Activity ID: Orbit C9		OAPEL EUPHAS05		SeqNo 01-	
Title	UVS EUROPA PHASE (~5 deg)			Instrument	UVS
Requestor	UVS-SWG/J. AIELLO X37737	Team	UVS	Working Group	SWG
Time System	CDS	Load ID	C9A	Calendar Date	06/27/97
				Week	26
Start	EEE-CDS 00000374:00:0		97-178/03:52:13.467		EEE-000/06:18:09.333
End	EEE-CDS 00000367:00:0		97-178/03:59:18.134		EEE-000/06:11:04.666
Duration	00000007:00:0		000/00:07:04.667		000/00:07:04.667
Top Label	C9EUPHAS0501-				
Bottom Label	(real-time)				
Plot Key	UVS	Type	SCI		
CDS Bytes	148	Report Options	BOTH	Scan Platform	Yes
CDS Source	OAP	Spin State	DUAL	DMS	No
Observation Objective					
	F-F Full scans of Europa at approximately 5 degrees phase angle.				
	TMC ON				
Design Detail					
CDS RIM Command Parameters		PSID			
28	002+UVFLUSH DISCRD, UVS	(ZB)			
38	003 CMDRS	(CV)			
	004 1 34UVS, 07, S, N, N, N, S, 0, ON, OFF, OFF, ON, OFF, NOOVR, 1, 00, 9C, 00, 00				
	007 4 34UVS, C1, F, N, N, N, S, 0, OFF, OFF, ON, OFF, OFF, NOOVR, 1, 2C, 05, 00, 00				
54	004 TARGET (4 RIM Posn_slew, TMC ON)	(CO)			
28	006+UVFLUSH PACKET, UVS	(ZC)			



Start UTC_TIME : 1997-178 // 03:56:11.848
End UTC_TIME : 1997-178 // 03:59:13.848
Start SCLK : 1/04017283:00:00
Delta Time between FOV : 22.00000
FOVs : N/G Channel(0.5x0.5)

Target Body : EUROPA
Target Cone/Clock : 74.94/244.61 Deg
S/C to Body Center : 1246544. Km (/796.51374 Re)
Z-axis Pointing (Ra / Dec) : 398.78 / 341.48 Deg

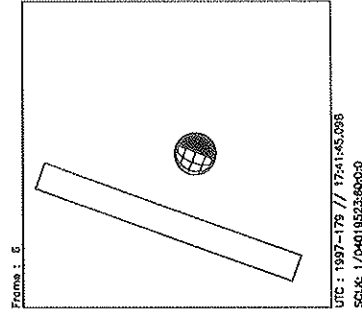
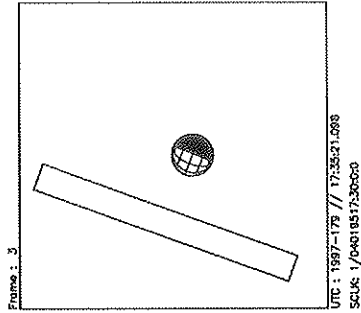
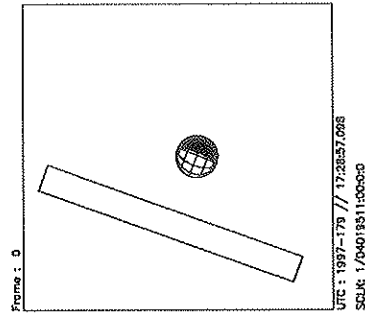
Activity ID: Orbit C9	OAPEL IUIECLPS	SeqNo 01-
Title	UVS IO ECLIPSE (BEFORE-INGRESS)	Instrument UVS
Requestor	UVS-SWG/K.NAVIAUX 37740	Team UVS
		Working Group SWG
Time System CDS	Load ID C9A	Calendar Date 06/28/97
	Week 26	
Start	JEE+CDS 00001723:00:0	97-179/16:59:42.132
		JEE+001/05:02:08.666
End	JEE+CDS 00001745:00:0	97-179/17:21:56.799
		JEE+001/05:24:23.333
Duration	00000022:00:0	000/00:22:14.667
		000/00:22:14.667
Top Label	C9IUIECLPS01-	
Bottom Label	(real-time)	
Plot Key	UVS	Type SCI
CDS Bytes	148	Report Options BOTH
		Scan Platform Yes
CDS Source	OAP	Spin State DUAL
		DMS No
Observation Objective		
	UVS real-time Io Eclipse observation. Characterize the change in the lower atmospheric UV airglow emissions as Io exits eclipse. Determine if the source of the change is due to: 1) a change in the lower atmospheric composition as it cools (ie. SO2 condensation); or 2) a potential change in the excitation mechanism if solar photoexcitation is dominant over particle impact.	
	C9IUIECLPS01- = Io eclipse before ingress measurement. 1 scan-platform drift across Io in real-time (17 RIM 3-sigma drift rate) just before the satellite enters Jupiter's eclipse using the UVS 10bps RTS rate. Only 1 drift will be done prior to eclipse ingress due to PWS time sharing. Each drift will include 17 RIMs HV On / 13 RIMs HV Off for PWS time sharing.	
UVS Configuration = F/N Full Scans, 1 msec integration time, TMC ON		
Design Detail		
CDS RIM Command Parameters		PSID
28 002+UVFLUSH DISCRD,UVS		(CK)
38 003 CMDRS		(CP)
004 1 34UVS,07,S,N,N,N,S,0, ON, ON,OFF, ON,OFF,NOOVR,2,00,9C,01,2C		
021 18 34UVS,C1,F,N,N,N,S,0,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00		
54 004 TARGET (4 RIM Posn_slew, TMC ON)		(CG)
28 021+UVFLUSH PACKET,UVS		(CL)



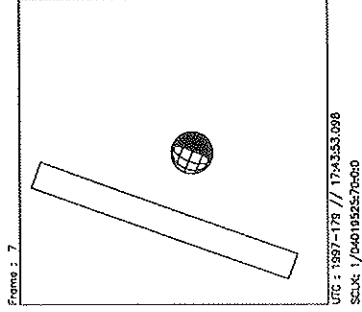
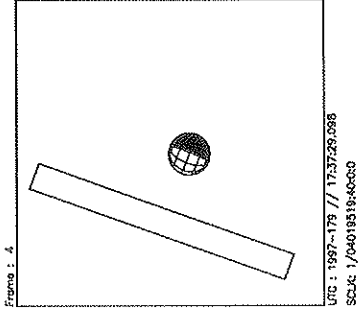
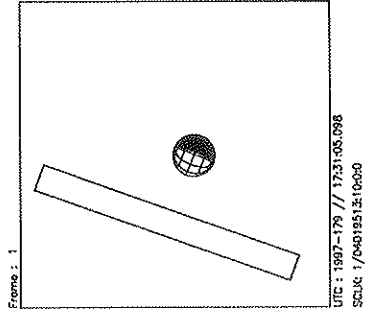
Start UTC_TIME : 1997-179 // 17:03:40.432
End UTC_TIME : 1997-179 // 17:20:51.765
Start SCLK : 1/04019486:00:00
Delta Time between FOV : 128.0000
FOVs : F Channel(0.1x0.4), N/G Channel(0.5x0.5)

Target Body : IO
Target Cone/Clock : 33.56/160.20 Deg
S/C to Body Center : 1316482. Km (721.61714 Ri)
Z-axis Pointing (Ra / Dec) : 398.78 / 341.48 Deg

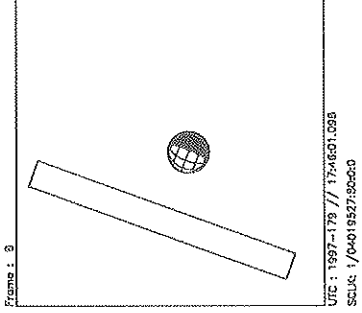
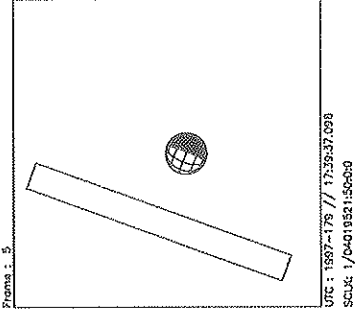
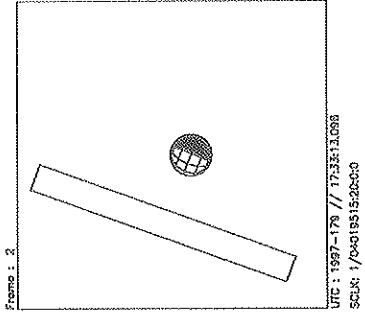
Activity ID: Orbit C9		OAPEL IUIECLPS		SeqNo 02-	
Title	UVS IO ECLIPSE (AFTER-INGRESS)			Instrument	UVS
Requestor	UVS-SWG/K.NAVIAUX 37740	Team	UVS	Working Group	SWG
Time System	CDS	Load ID	C9A	Calendar Date	06/28/97 Week 26
Start	JEE+CDS 00001748:00:0		97-179/17:24:58.799		JEE+001/05:27:25.333
End	JEE+CDS 00001770:00:0		97-179/17:47:13.466		JEE+001/05:49:40.000
Duration	00000022:00:0		000/00:22:14.667		000/00:22:14.667
Top Label	C9IUIECLPS02-				
Bottom Label	(real-time)				
Plot Key	UVS	Type	SCI		
CDS Bytes	148	Report Options	BOTH	Scan Platform	Yes
CDS Source	OAP	Spin State	DUAL	DMS	No
Observation Objective					
<p>UVS real-time Io Eclipse observation. Characterize the change in the lower atmospheric UV airglow emissions as Io exits eclipse. Determine if the source of the change is due to:</p> <ol style="list-style-type: none"> 1) a change in the lower atmospheric composition as it cools (ie. SO2 condensation); or 2) a potential change in the excitation mechanism if solar photoexcitation is dominant over particle impact. <p>C9IUIECLPS02- = Io eclipse after ingress measurement. 1 scan-platform drift across Io in real-time (17 RIM 3-sigma drift rate) just after the satellite enters Jupiter's eclipse using the UVS 10bps RTS rate. Only 1 drift will be done after eclipse ingress due to PWS time sharing. Each drift will include 17 RIMs HV On / 13 RIMs HV Off for PWS time sharing.</p> <p>UVS Configuration = N/N Full Scans, TMC ON</p>					
Design Detail					
CDS RIM Command Parameters				PSID	
28 002+UVFLUSH DISCRD,UVS				(CM)	
38 003 CMDRS				(CQ)	
004 1 34UVS,07,S,N,N,N,S,0,OFF, ON,OFF, ON,OFF,NOOVR,1,2C,9D,00,00					
021 18 34UVS,C1,F,N,N,N,S,0,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00					
54 004 TARGET (4 RIM Posn_slew, TMC ON)				(CH)	
28 021+UVFLUSH PACKET,UVS				(CN)	



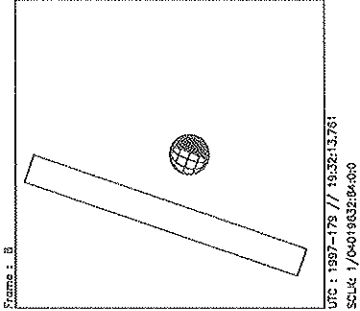
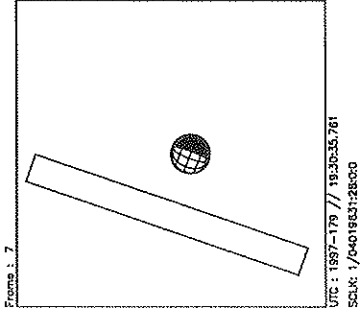
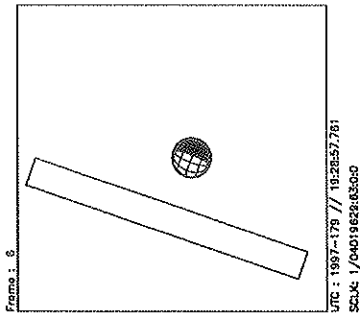
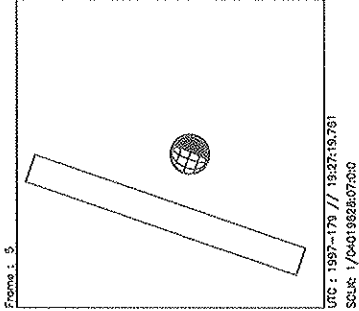
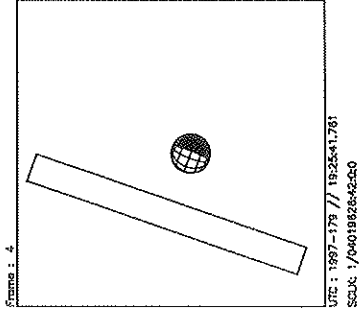
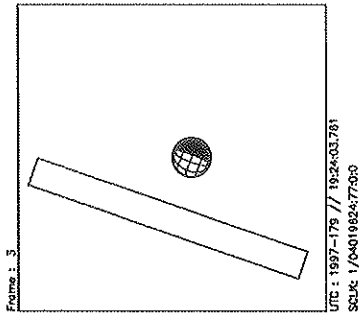
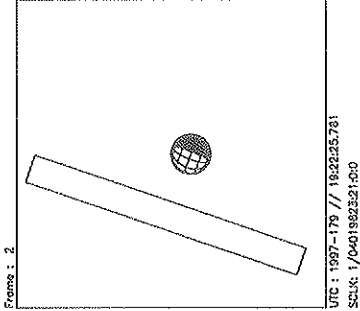
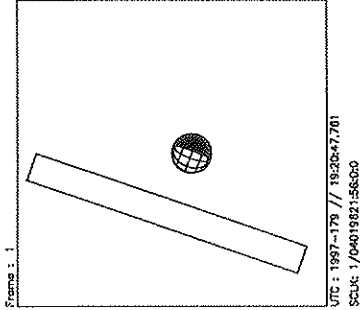
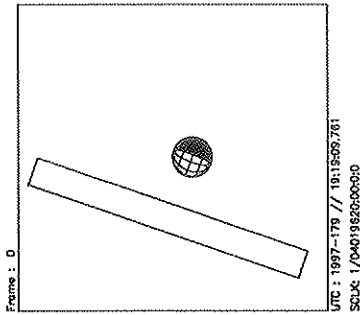
Start UTC_TIME : 1997-179 // 17:28:57.098
End UTC_TIME : 1997-179 // 17:48:08.431
Start SCLK : 1/04019511:00:00
Delta Time between FOV : 128.0000
FOVs : F Channel(0.1x0.4), N/G Channel(0.5x0.5)



Target Body : IO
Target Cone/Clock : 33.62/158.79 Deg
S/C to Body Center : 1350065. Km (740.02535 Ri)
Z-axis Pointing (Ra / Dec) : 398.78 / 341.48 Deg



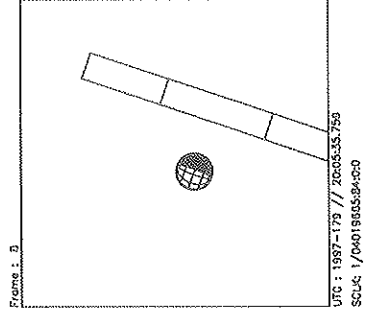
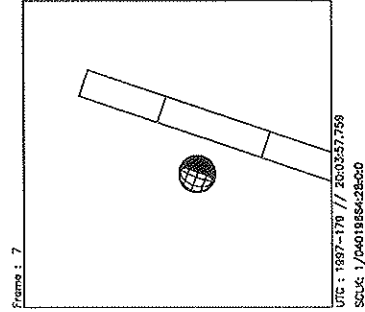
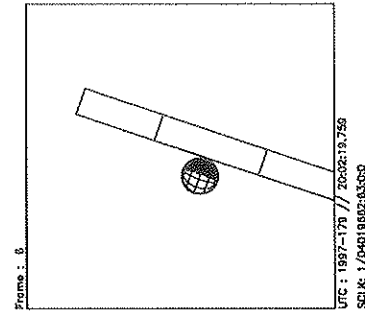
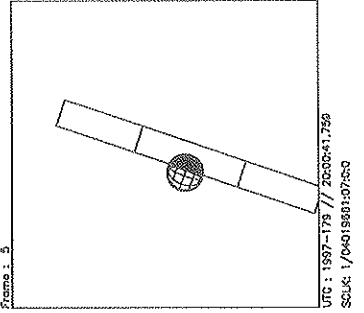
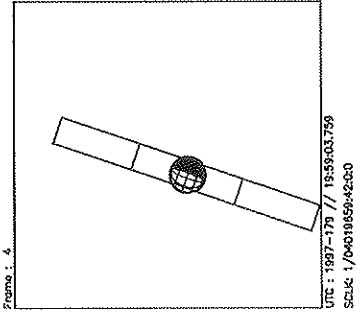
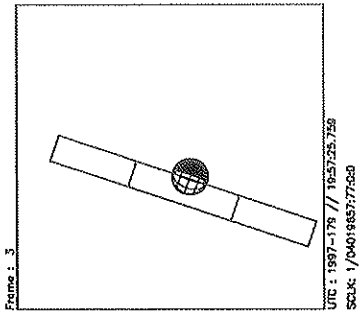
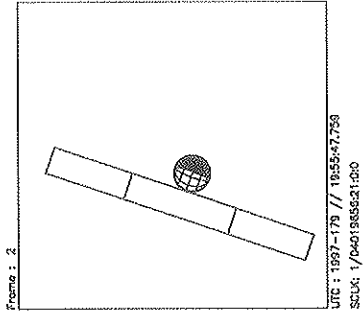
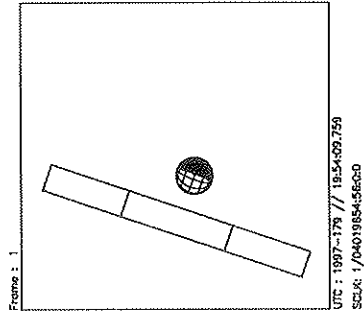
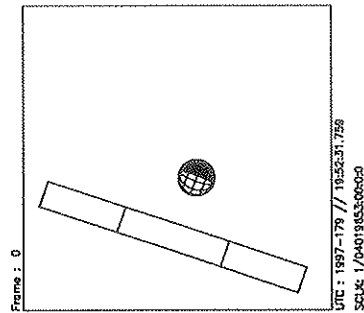
Activity ID:	Orbit C9	OAPEL	IUIECLPS	SeqNo	03-
Title	UVS IO ECLIPSE (BEFORE-EGRESS)			Instrument	UVS
Requestor	UVS-SWG/K.NAVIAUX 37740	Team	UVS	Working Group	SWG
Time System	CDS	Load ID	C9A	Calendar Date	06/28/97
				Week	26
Start	JEE+CDS 00001857:00:0		97-179/19:15:11.466		JEE+001/07:17:38.000
End	JEE+CDS 00001875:00:0		97-179/19:33:23.466		JEE+001/07:35:50.000
Duration	00000018:00:0		000/00:18:12.000		000/00:18:12.000
Top Label	C9IUIECLPS03-				
Bottom Label	(real-time)				
Plot Key	UVS	Type	SCI		
CDS Bytes	148	Report Options	BOTH	Scan Platform	Yes
CDS Source	OAP	Spin State	DUAL	DMS	No
Observation Objective					
<p>UVS real-time Io Eclipse observation. Characterize the change in the lower atmospheric UV airglow emissions as Io exits eclipse. Determine if the source of the change is due to:</p> <ol style="list-style-type: none"> 1) a change in the lower atmospheric composition as it cools (ie. SO2 condensation); or 2) a potential change in the excitation mechanism if solar photoexcitation is dominant over particle impact. <p>G7IUIECLPS03- = Io eclipse before egress measurement. 1 scan-platform drift across Io in real-time (13 RIM 3-sigma drift rate) just prior to the satellite leaving Jupiter's eclipse using the UVS 10bps RTS rate. Only 1 drift will be done prior to eclipse egress due to PWS time sharing. Each drift will include 13 RIMs HV On / 17 RIMs HV Off for PWS time sharing.</p> <p>UVS Configuration = N/N Full Scans, TMC ON</p>					
Design Detail					
CDS RIM Command Parameters	PSID				
28 002+UVFLUSH DISCRD,UVS	(CO)				
38 003 CMDRS	(CR)				
004 1 34UVS,07,S,N,N,N,S,0,OFF, ON,OFF, ON,OFF,NOOVR,1,2C,9D,00,00					
017 14 34UVS,C1,F,N,N,N,S,0,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00					
54 004 TARGET (4 RIM Posn_slew, TMC ON)	(CI)				
28 017+UVFLUSH PACKET,UVS	(CP)				



Start UTC.TIME : 1997-179 // 19:19:09.761
 End UTC.TIME : 1997-179 // 19:32:18.427
 Start SCLK : 1/04019620:00:00
 Delta Time between FOV : 98.00000
 FOVs : F Channel(0.1x0.4), N/G Channel(0.5x0.5)

Target Body : IO
 Target Cone/Clock : 34.15/152.20 Deg
 S/C to Body Center : 1496435. Km (820.25628 Ri)
 Z-axis Pointing (Ra / Dec) : 398.78 / 34.148 Deg

Activity ID:	Orbit C9	OAPEL	IUIECLPS	SeqNo	04-
Title	UVS IO ECLIPSE (AFTER-EGRESS)			Instrument	UVS
Requestor	UVS-SWG/K.NAVIAUX 37740	Team	UVS	Working Group	SWG
Time System	CDS	Load ID	C9A	Calendar Date	06/28/97
				Week	26
Start	JEE+CDS 00001890:00:0		97-179/19:48:33.466		JEE+001/07:51:00.000
End	JEE+CDS 00001908:00:0		97-179/20:06:45.466		JEE+001/08:09:12.000
Duration	00000018:00:0		000/00:18:12.000		000/00:18:12.000
Top Label	C9IUIECLPS04-				
Bottom Label	(real-time)				
Plot Key	UVS	Type	SCI		
CDS Bytes	93	Report Options	BOTH		
CDS Source	OAP	Spin State	DUAL		
		DMS	No		
Observation Objective					
<p>UVS real-time Io Eclipse observation. Characterize the change in the lower atmospheric UV airglow emissions as Io exits eclipse. Determine if the source of the change is due to:</p> <p>1) a change in the lower atmospheric composition as it cools (ie. SO2 condensation); or</p> <p>2) a potential change in the excitation mechanism if solar photoexcitation is dominant over particle impact.</p> <p>C9IUIECLPS04- = Io eclipse after egress measurement. 1 scan-platform drift across Io in real-time (13 RIM 3-sigma drift rate) just prior to the satellite leaving Jupiter's eclipse using the UVS 10bps RTS rate. Only 1 drift will be done prior to eclipse egress due to PWS time sharing. Each drift will include 13 RIMs HV On / 17 RIMs HV Off for PWS time sharing.</p> <p>UVS Configuration = F/N Full Scans, 1 msec integration time, TMC ON</p>					
Design Detail					
CDS RIM Command Parameters					PSID
-----					----
28 002+UVFLUSH DISCRD,UVS					(CQ)
38 003 CMDRS					(CS)
004 1 34UVS,07,S,N,N,N,S,0,	ON, ON,OFF, ON,OFF,NOOVR,2,00,9C,01,2C				
017 14 34UVS,C1,F,N,N,N,S,0,	OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00				
27 004 TARGET					(CJ)
018+UVFLUSH PACKET,UVS					(CR)*****DELETED AND HANDLED BY 349MY *****



Start UTC_TIME : 1997-179 // 19:52:31.759
 End UTC_TIME : 1997-179 // 20:05:40.426
 Start SCLK : 1/0401985300:0:0
 Delta Time between FOV : 98.00000
 FOVs : F Channel(0.1x0.4), N/G Channel(0.5x0.5)

Target Body : IO
 Target Cone/Clock : 34.39/150.10 Deg
 S/C to Body Center : 1540307. Km (844.30457 Ri)
 Z-axis Pointing (Ra / Dec) : 398.78 / 341.48 Deg

Activity ID: Orbit C9		OAPEL IUNTRLCL		SeqNo 01-	
Title		UVS IO NEUTRAL CLOUD		Instrument UVS	
Requestor		UVS-SWG/K.NAVIAUX 37740		Team UVS	
				Working Group SWG	
Time System	CDS	Load ID	C9A	Calendar Date	06/28/97
				Week	26
Start	JEE+CDS 00002009:00:0		97-179/21:48:52.799		JEE+001/09:51:19.333
End	JEE+CDS 00002175:00:0		97-180/00:36:43.466		JEE+001/12:39:10.000
Duration	00000166:00:0		000/02:47:50.667		000/02:47:50.667
Top Label		C9IUNTRLCL01-			
Bottom Label		(real-time)			
Plot Key	UVS	Type	SCI		
CDS Bytes	340	Report Options	BOTH	Scan Platform	Yes
CDS Source	OAP	Spin State	DUAL	DMS	No
Observation Objective					
<div style="border: 1px solid black; width: 150px; height: 100px; display: inline-block; vertical-align: top;"></div> <p>~3 hour UVS real-time Io Neutral Cloud observation. Determine the composition and time variation of the ionized Io neutral cloud (SO₂, SO, O, S, K, Na) to assist in the modeling of the Io plasma torus and Io atmosphere.</p> <p>Drift over Io twice UVS Configuration = 16-Step 2-Posn on 1356 / 1479 Å</p>					
Design Detail					
CDS	RIM	Command	Parameters	PSID	
28	003+	UVFLUSH	DISCRD,UVS	(CS)	
38	003	CMDRS		(CT)	
	004	1	34UVS,D1,F,N,N,N,S,0,OFF,OFF,	ON, ON,OFF,NOOVR,1,B6,45,00,51	
	164	161	34UVS,C1,F,N,N,N,S,0,OFF,OFF,	ON,OFF,OFF,NOOVR,1,2C,05,00,00	
54	004	TARGET	(4 RIM Posn_slew, TMC ON)	(CK)	
28	045+	UVFLUSH	PACKET,UVS	(CT)	
54	046	TARGET	(2 RIM Posn_slew, TMC ON)	(CL)	
28	105+	UVFLUSH	PACKET,UVS	(CU)	
27	106	TARGET	(1 RIM Posn_slew)	(CM)	
28	127+	UVFLUSH	PACKET,UVS	(CV)	
27	128	TARGET	(1 RIM Posn_slew)	(CN)	
28	165+	UVFLUSH	PACKET,UVS	(CW)	

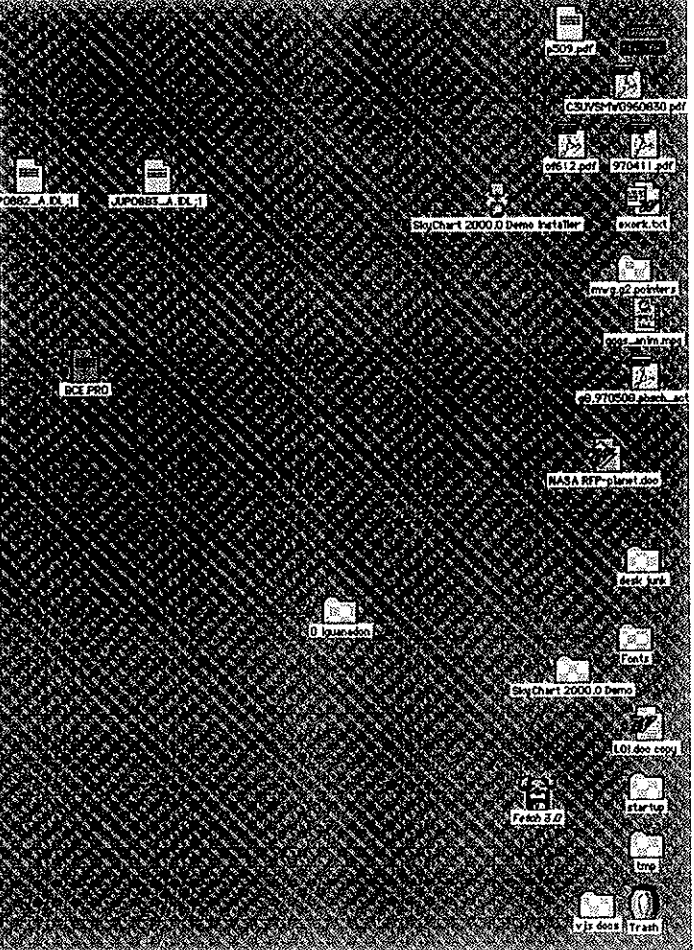
UPS Commander
Galileo UVS Commands - u6.1

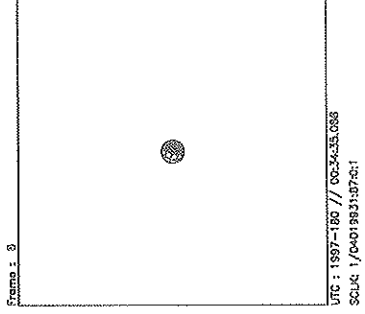
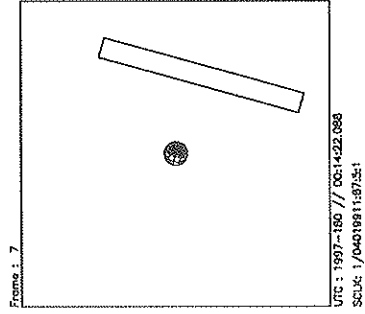
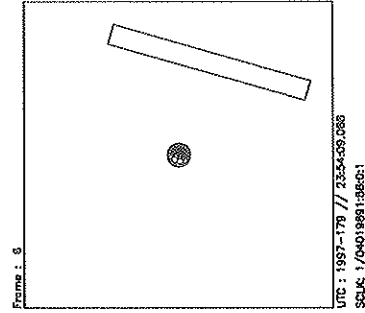
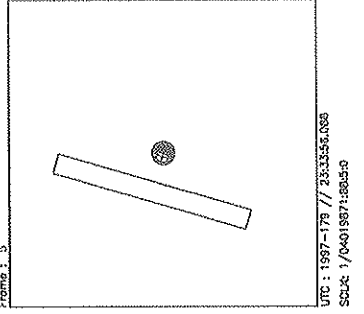
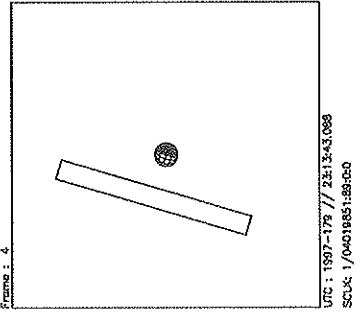
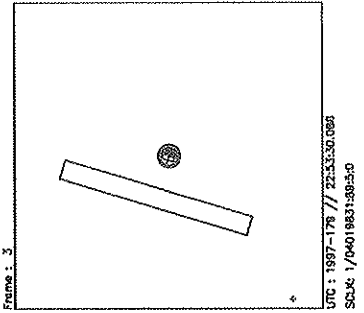
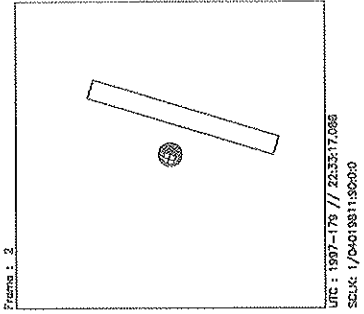
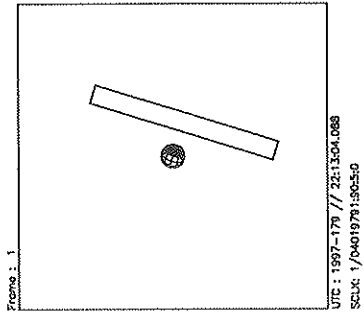
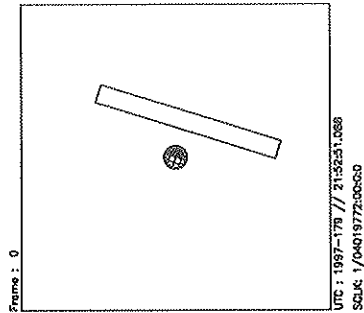
Instrument **UVS** Mode **FIXED (mini-scan)**
 SCAN (full scan)

Even Frames		Odd Frames	
Channel:	Center: 1357.8	Channel:	Center: 1480.8
<input type="radio"/> F	<input type="text" value="527"/> <input type="text" value="1356.3 Å"/>	<input type="radio"/> F	<input type="text" value="227"/> <input type="text" value="1479.1 Å"/>
<input type="radio"/> N	<input type="text" value="1354.8"/>	<input type="radio"/> N	<input type="text" value="1477.8"/>
<input checked="" type="radio"/> G	Width: <input type="text" value="16"/> <input type="text" value="1344.1 - 1367.0"/>	<input checked="" type="radio"/> G	Width: <input type="text" value="16"/> <input type="text" value="1467.1 - 1489.7"/>

NORM F HU Override SAME Grating NOOVR Limb Sensor Override
 NORM N HU Override ON HU ON/OFF Integration Time
 NORM G HU Override OFF Internal Stim

CMD,34UVS,,,D1,FIXED,NORM,NORM,NORM,
SAME,0,OFF,OFF,ON,ON,OFF,NOOVR,1,B6,45,
00,51;





Start UTC TIME : 1997-179 // 21:52:51.088
 End UTC TIME : 1997-180 // 00:34:37.749
 Start SCLK : 1/0401972:00:00
 Delta Time between FOV : 1213.000
 FOVs : F Channel(0.1x0.4), N/G Channel(0.5x0.5)

Target Body : IO
 Target Cone/Clock : 35.63/142.44 Deg
 S/C to Body Center : 1694379. Km (928.75758 Ri)
 Z-axis Pointing (Ro / Dec) : 398.78 / 341.48 Deg