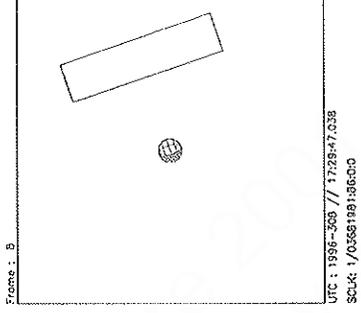
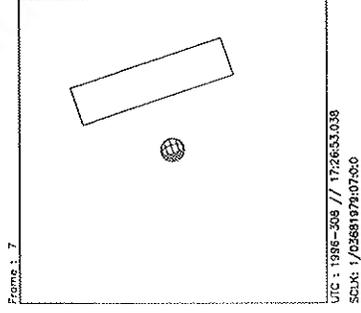
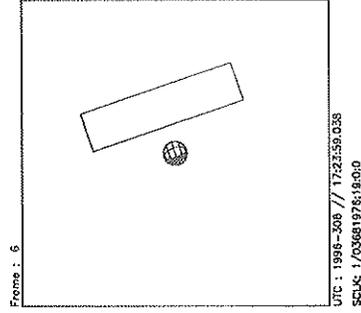
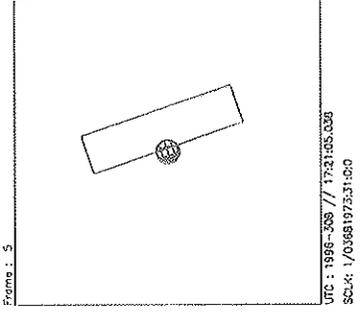
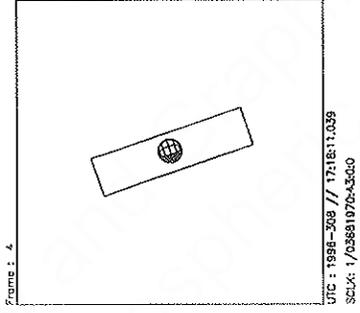
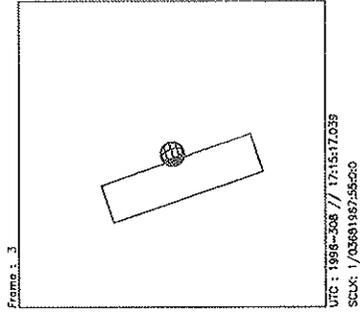
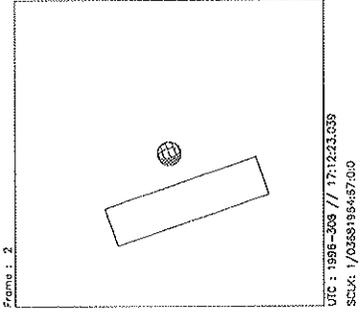
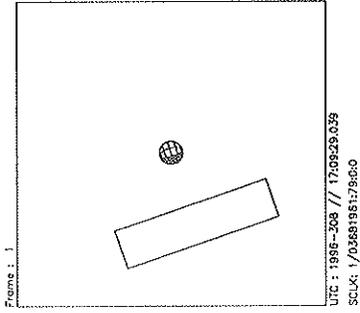
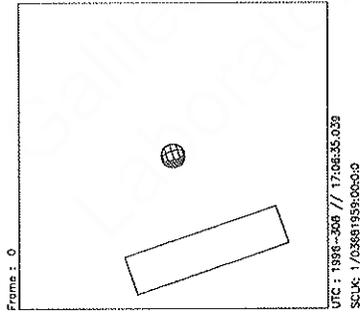
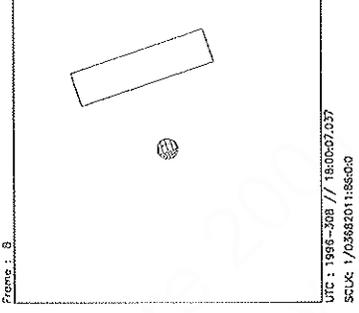
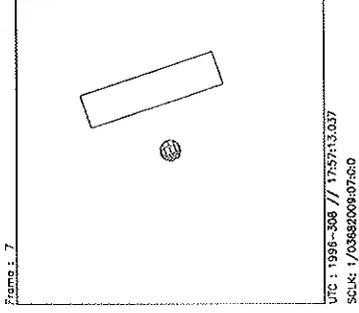
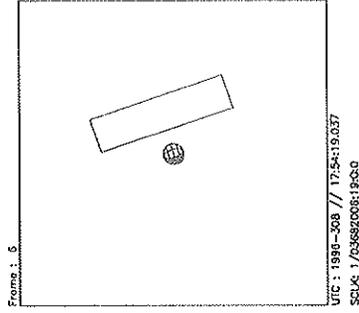
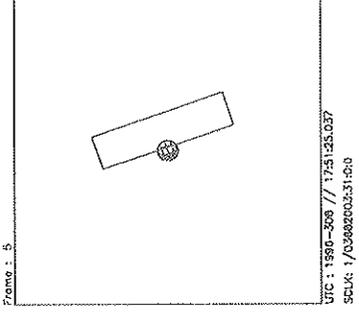
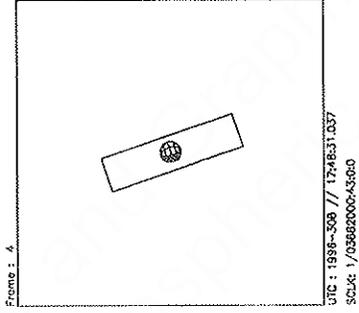
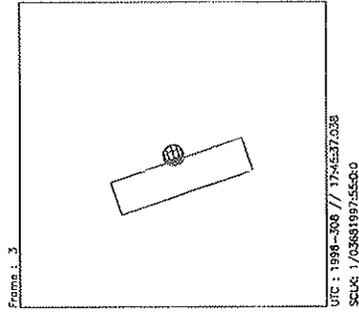
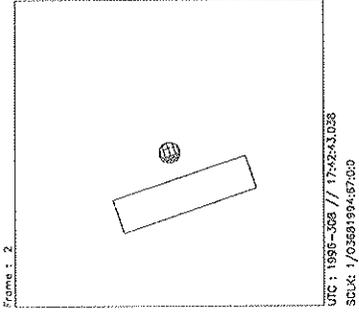
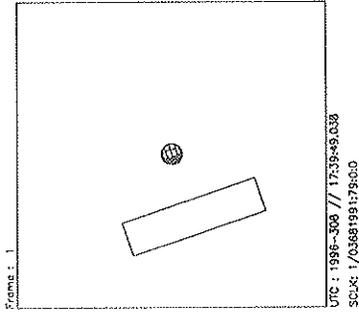
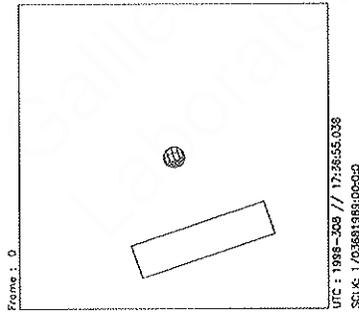


Activity ID: Orbit C3	OAPEL EUPHAS68	SeqNo 01-
Title	UVS EUROPA PHASE (~68 deg)	Instrument UVS
Requestor	UVS-SWG/K.NAVIAUX 37740	Team UVS Working Group SWG
Time System CDS	Load ID C3A	Calendar Date 11/03/96 Week 44
Start	CEE-CDS 00001220:00:0	96-308/16:56:32.400 CEE-000/20:33:33.333
End	CEE-CDS 00001156:00:0	96-308/18:01:15.067 CEE-000/19:28:50.666
Duration	00000064:00:0	000/01:04:42.667 000/01:04:42.667
Top Label	C3EUPHAS6801-	
Bottom Label	(real-time)	
Plot Key	UVS	Type SCI
CDS Bytes	250	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. 2 scan-platform drifts across Europa in real-time at ~68° phase (~25-42 longitude ; 23 RIM 3-sigma drift rate) using the UVS 10bps RTS rate. Each drift will include 23 RIMs HV On / 7 RIMs HV Off for PWS time sharing.</p> <p>UVS Configuration = F/F Full Scans</p> <p>RTS D/L Mbits = (17712 bits/flush)(2 flushes) = 0.035 Mbits</p>		
Design Detail		
CDS RIM Command Parameters	PSID	
-----	-----	
36 004 TARGET (4 RIM Posn_slew)	(CE)	
66 009 CMDRS	(CC)	
010 1 34UVS,07,S,N,N,N,S,0,	ON,OFF,OFF, ON,OFF,NOOVR,1,00,9C,00,00	
033 24 34UVS,C1,F,N,N,N,S,0,	OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00	
040 31 34UVS,07,S,N,N,N,S,0,	ON,OFF,OFF, ON,OFF,NOOVR,1,00,9C,00,00	
063 54 34UVS,C1,F,N,N,N,S,0,	OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00	
28 009+UVFLUSH DISCRD,UVS	(CE)	
28 032+UVFLUSH PACKET,UVS	(CA)	
28 039+UVFLUSH DISCRD,UVS	(CD)	
36 034 TARGET (1 RIM Posn_slew)	(CF)	
28 062+UVFLUSH PACKET,UVS	(CB)	



Start UTC_TIME : 1996-308 // 17:06:35.039
No End Time :
Start SCLK : 1/03681959:00:0:0

Target Body : EUROPA
Target Cone/Clock : 121.76 / 88.54 Deg
S/C to Body Center : 3009914. Km (1923.2678 Re)
Z-axis Pointing (Ro / Dec) : 102.80 / 25.00 Deg



Start UTC_TIME : 1996-308 // 17:36:55.038
No End Time :
Start SCLK : 1/03681989:00:0:0

Target Body : EUROPA
Target Cone/Clock : 122.41 / 88.55 Deg
S/C to Body Center : 2988458. Km (1909.5580 Re)
Z-axis Pointing (Ra / Dec) : 102.80 / 25.00 Deg

Activity ID: Orbit C3	OAPEL EUPHAS57	SeqNo 01-
Title	UVS EUROPA PHASE (~57 deg)	Instrument UVS
Requestor	UVS-SWG/K.NAVIAUX 37740	Team UVS
		Working Group SWG

Time System CDS	Load ID C3A	Calendar Date 11/04/96	Week 45
Start	CEE-CDS 00000689:00:0	96-309/01:53:26.400	CEE-000/11:36:39.333
End	CEE-CDS 00000650:00:0	96-309/02:32:52.400	CEE-000/10:57:13.333
Duration	00000039:00:0	000/00:39:26.000	000/00:39:26.000

Top Label	C3EUPHAS5701-		
Bottom Label	(real-time)		
Plot Key	UVS	Type	SCI
CDS Bytes	250	Report Options	BOTH
		Scan Platform	Yes
CDS Source	OAP	Spin State	DUAL
		DMS	No

Observation Objective

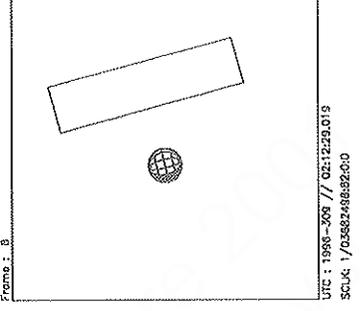
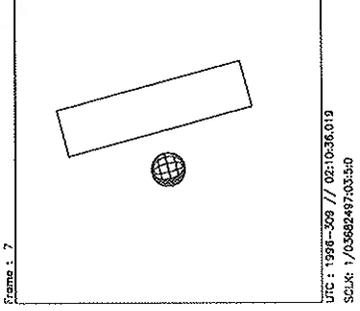
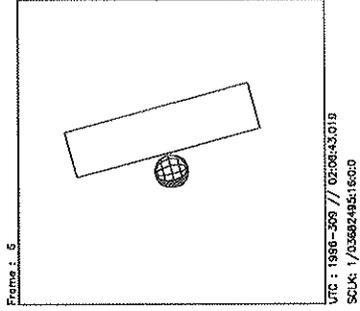
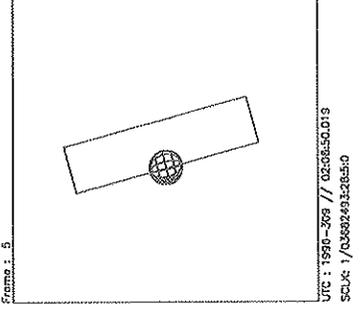
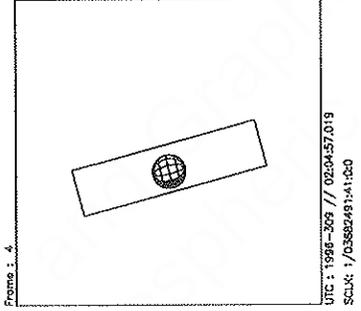
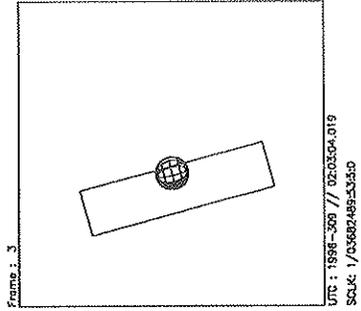
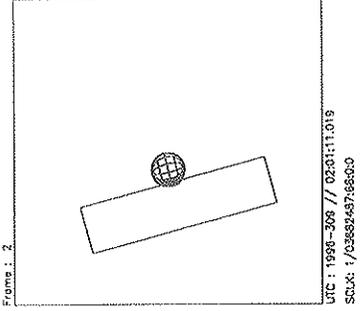
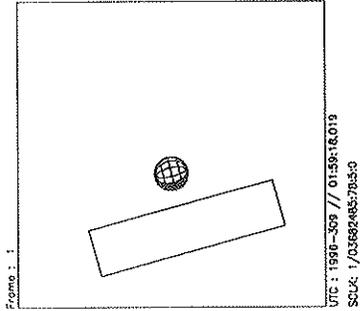
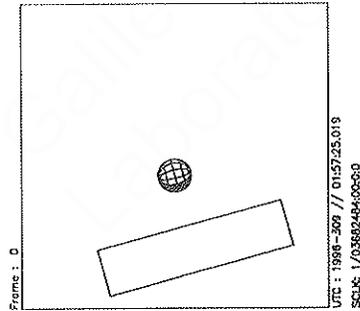
Observe Europa in the 1600Å to 3200Å wavelength regions at phase angles not obtainable from the Earth to supplement and complement the NIMS surface property measurements. 2 scan-platform drifts across Europa in real-time at ~57° phase (~ longitude ; 15 RIM 3-sigma drift rate) using the UVS 10bps RTS rate. Each drift will include 15 RIMs HV On / 5 RIMs HV Off for PWS time sharing.

UVS Configuration = F/F Full Scans

RTS D/L Mbits = (17712 bits/flush)(2 flushes) = 0.035 Mbits

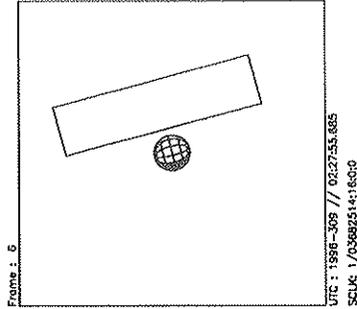
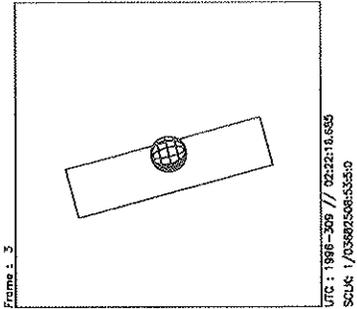
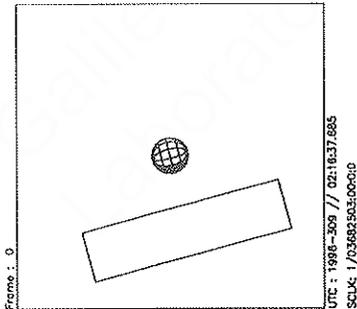
Design Detail

CDS RIM Command Parameters	PSID
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004 1 34UVS,07,S,N,N,N,S,0, ON,OFF,OFF, ON,OFF,NOOVR,1,00,9C,00,00	
019 16 34UVS,C1,F,N,N,N,S,0,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00	
023 20 34UVS,07,S,N,N,N,S,0, ON,OFF,OFF, ON,OFF,NOOVR,1,00,9C,00,00	
038 35 34UVS,C1,F,N,N,N,S,0,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00	
28 003+UVFLUSH DISCRD,UVS	(CF)
36 004 TARGET (4 RIM Posn_slew)	(CA)
28 018+UVFLUSH PACKET,UVS	(CO)
28 022+UVFLUSH DISCRD,UVS	(CG)
36 023 TARGET (1 RIM Posn_slew)	(CB)
28 037+UVFLUSH PACKET,UVS	(CS)

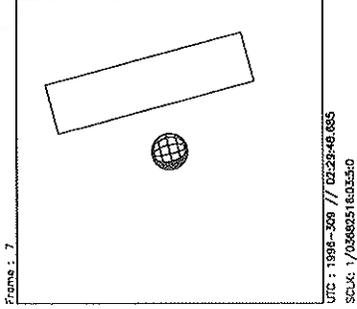
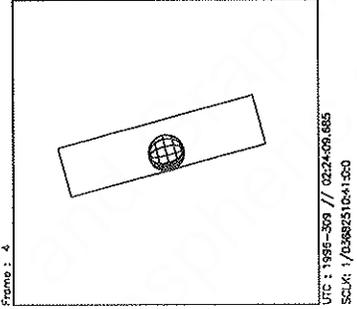
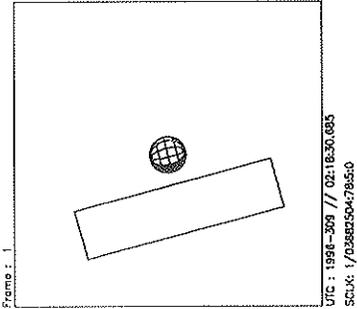


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No End Time :
Start SCLK : 1/03682484:00:00

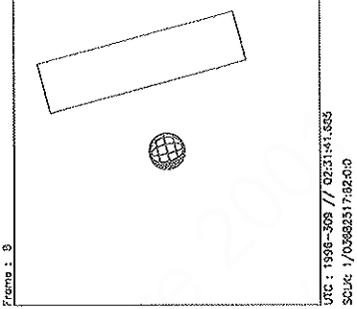
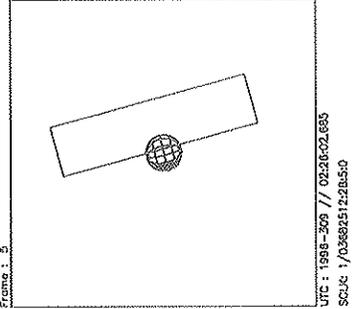
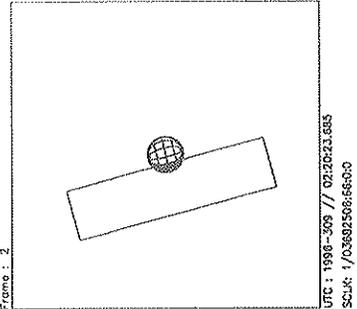
Target Body : EUROPA
Target Cone/Clock : 133.39 / 86.72 Deg
S/C to Body Center : 2565347. Km (1639.1991 Re)
Z-axis Pointing (Ra / Dec) : 102.80 / 25.00 Deg



Start UTC TIME : 1996-309 // 02:16:37.685
No End Time :
Start SCLK : 1/03682503:00:00



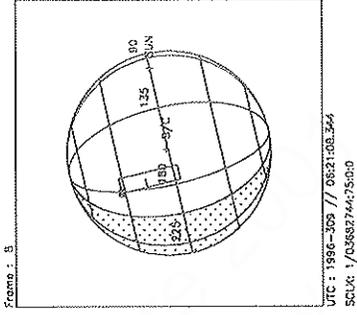
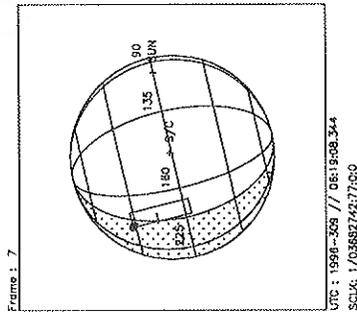
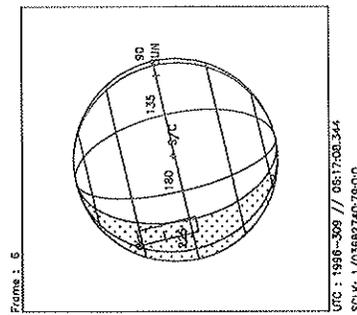
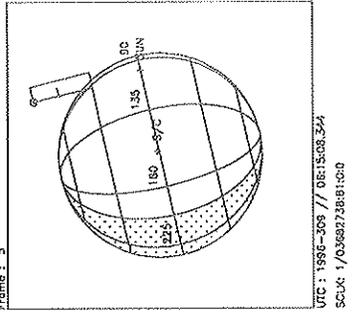
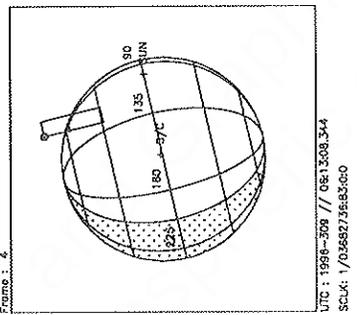
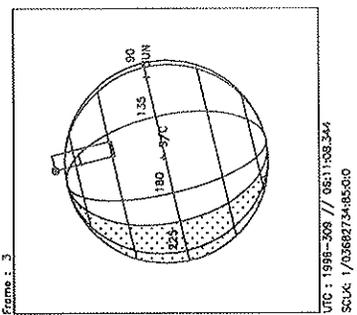
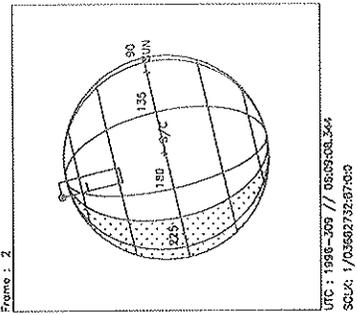
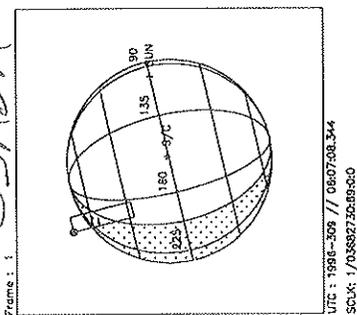
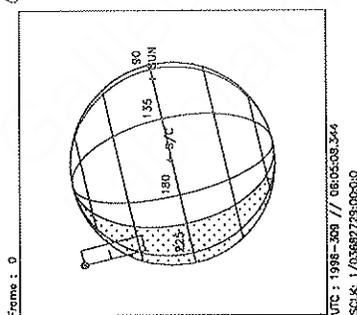
Target Body : EUROPA
Target Cone/Clock : 133.81 / 88.73 Deg
S/C to Body Center : 2546861. Km (1627.3873 Re)
Z-axis Pointing (Ra / Dec) : 102.80 / 25.00 Deg



Activity ID: Orbit C3		OAPEL CUGLOBAL		SeqNo 01+	
Title		UVS NIMS GLOBAL RIDE-ALONG		Instrument UVS	
Requestor		UVS-SWG/K.NAVIAUX 37740		Team UVS	
				Working Group SWG	
Time System CDS		Load ID C3A		Calendar Date 11/04/96	
				Week 45	
Start		CEE-CDS 00000444:00:0		96-309/06:01:09.733	
				CEE-000/07:28:56.000	
End		CEE-CDS 00000403:00:0		96-309/06:42:37.067	
				CEE-000/06:47:28.666	
Duration		00000041:00:0		000/00:41:27.334	
				000/00:41:27.334	
Top Label		C3CUGLOBAL01+			
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 Global observation. Extend the surface scattering property measurements into the ultraviolet (1600. - 3200.) in concert with NIMS measurements to infer information about particle size, and refractive and absorption properties of the surface materials.</p> <p>UVS Configuration = F/F Full Scans</p> <p>PB D/L Mbits = (1008 bps)(36 RIMs)(60.667 s/RIM) = 2.201 Mbits</p> </div> </div>					
Design Detail					
CDS RIM Command Parameters				PSID	
-----				----	
38	003	CMDRS		(CA)	
	004	1	34UVS,07,S,N,N,N,S,0,	ON,OFF,OFF,	ON,OFF,NOOVR,1,00,9C,00,00
	040	37	34UVS,C1,F,N,N,N,S,0,OFF,OFF,	ON,OFF,OFF,NOOVR,1,2C,05,00,00	

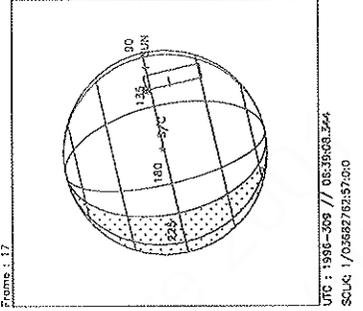
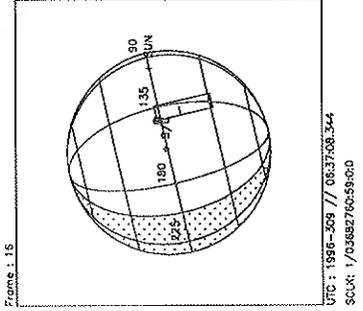
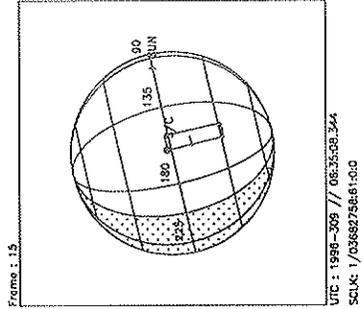
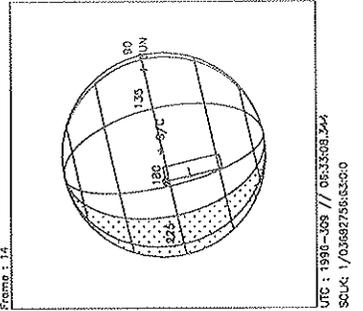
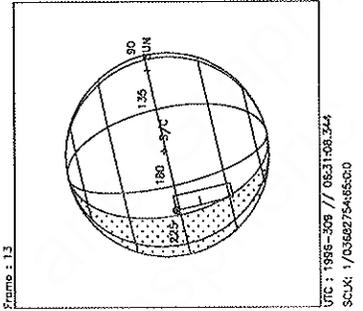
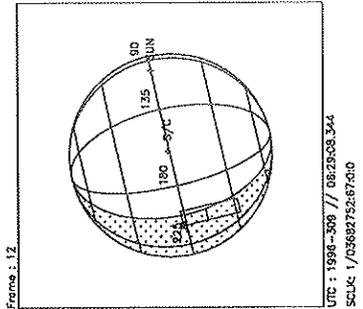
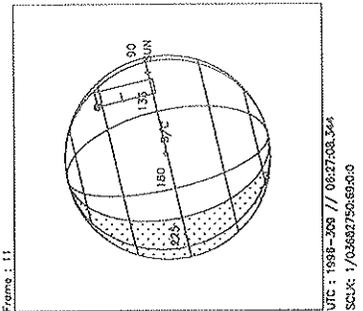
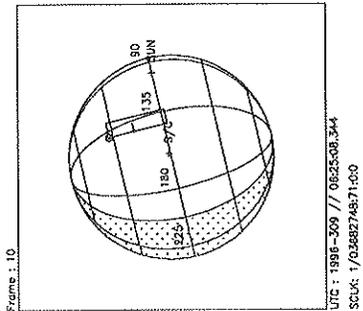
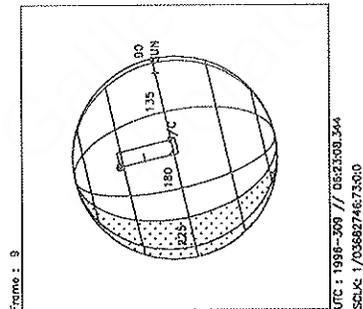
GLOBAL

CSADA



Start UTC.TIME : 1996-309 // 06:05:08.344
End UTC.TIME : 1996-309 // 06:41:32.342
Start SCLK : 1/03682729:00:00
Delta Time between FOV : 120.0000
FOVs : F Channel(0.1x0.4)

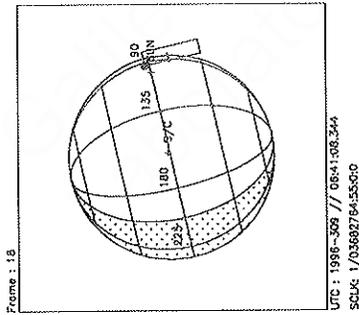
Target Body : CALLISTO
Target Cone/Clock : 137.59 / 89.02 Deg
S/C to Body Center : 208866.9 Km (86.919224 Rc)
Z-axis Pointing (Ra / Dec) : 102.80 / 25.00 Deg



Start UTC TIME : 1996-309 // 06:05:08.344
End UTC TIME : 1996-309 // 06:41:32.342
Start SCLK : 1/03682729:00:0:0
Delta Time between FOV : 120.0000
FOVs : F Channel(0.1x0.4)

Target Body : CALLISTO
Target Cone/Clock : 137.63 / 89.00 Deg
S/C to Body Center : 200455.7 Km (83.418948 Rc)
Z-axis Pointing (Ra / Dec) : 102.80 / 25.00 Deg

17 Sep 1996 22:20:42

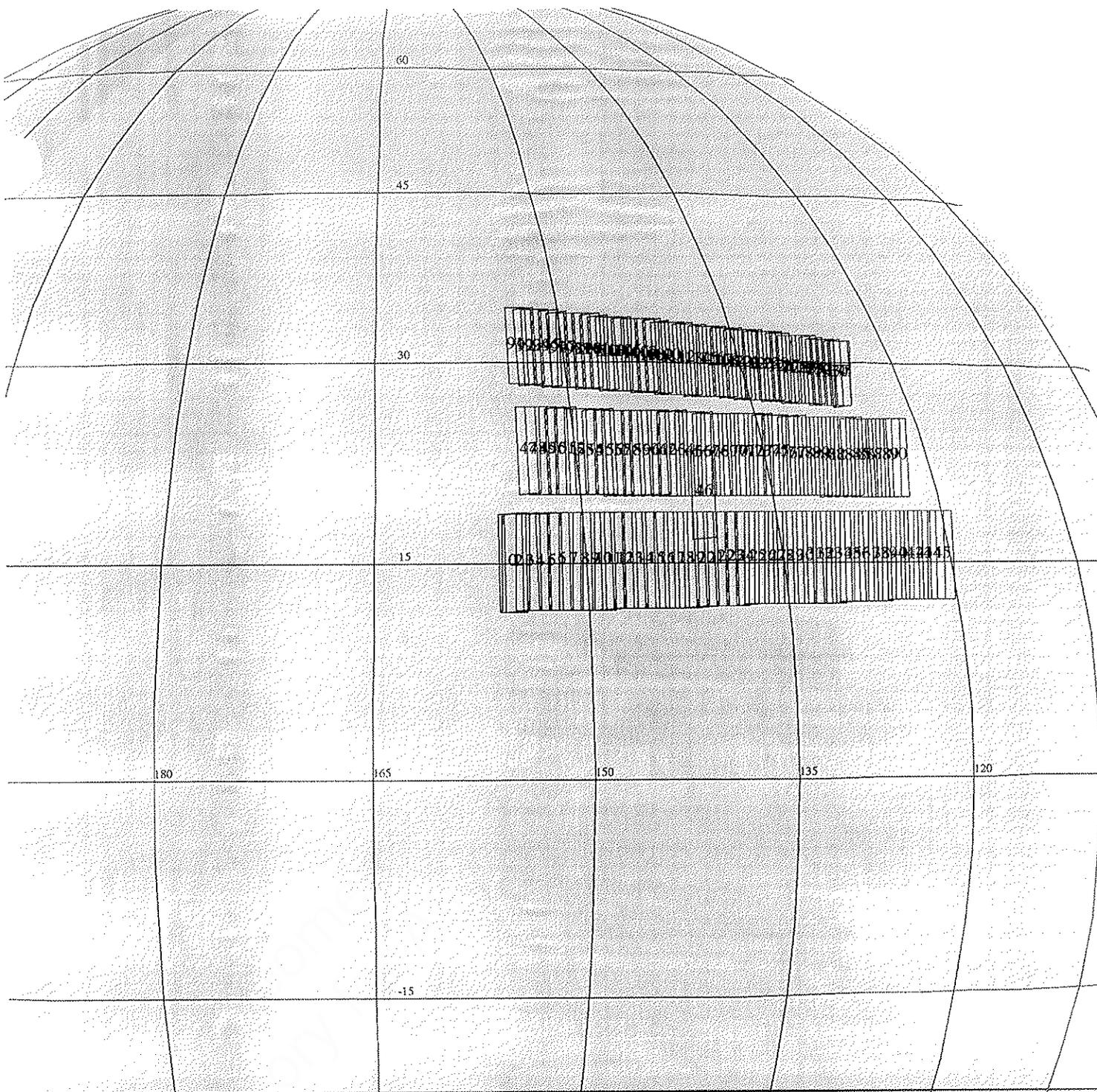


Start UTC_TIME : 1996-309 // 06:05:08.344
End UTC_TIME : 1996-309 // 06:41:32.342
Start SCLK : 1/03682729:00:00
Delta Time between FOV : 120.0000
FOVs : F Channel(0.1x0.4)

Target Body : CALLISTO
Target Cone/Clock : 137.68 / 88.99 Deg
S/C to Body Center : 192051.4 Km (79.921531 Rc)
Z-axis Pointing (Ra / Dec) : 102.80 / 25.00 Deg

Geometrically and Graphics Software 2007
for Atmospheric and Space Physics

Activity ID:	Orbit C3	OAPEL CUASGARD	SeqNo	01+
Title	UVS NIMS ASGARD RIDE-ALONG		Instrument	UVS
Requestor	UVS-SWG/K.NAVIAUX 37740	Team	UVS	Working Group SWG
Time System	CDS	Load ID	C3A	Calendar Date 11/04/96 Week 45
Start	CTE-CDS 00000091:00:0		96-309/12:02:07.734	CTE-000/01:32:00.666
End	CTE-CDS 00000060:45:0		96-309/12:32:58.400	CTE-000/01:01:10.000
Duration	00000030:46:0		000/00:30:50.666	000/00:30:50.666
Top Label	C3CUASGARD01+			
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 (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			
	PB D/L Mbits = (1008 bps)(29 RIMs)(60.667 s/RIM) = 1.774 Mbits			
Design Detail				
CDS RIM	Command Parameters	PSID		
-----	-----	-----		
38	000 CMDRS	(CL)		
001	1 34UVS,07,S,N,N,N,S,0,	ON,OFF,OFF, ON,OFF,NOOVR,1,00,9C,00,00		
030	30 34UVS,C1,F,N,N,N,S,0,	OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00		



96029502881174501240002223028933833863894445

474561259558900264667877277758938838800

0034557320102845117800223028933833863894445

165DB:TT= 0 TMC=1 C= 0.00 XC= 0.00 BS=38/9425 TC=1(+15 155)
 A= 728 pD= 5288 SR=17.450 RA50=240.00 DEC50=-22.43 cone=140.89 clock= 89.01
 117DB:#SB=2 OR= 0.060 RR=12.000 BM=F RC= 1 BS=38/9425
 1:#s= 2 C= -34.00 XC= 0.00 Cr= 33.54 XCr= 9.00 sD= 1710 rD= 22
 2:#s= 1 C= -36.30 XC= 0.00 Cr= 34.50 XCr= 11.00 sD= 1824 rD= 22

ESIGN G2.0 keith: 9/ 6/1996 11: 0:35

FILE:P.C3CNASGARD01

TARGET BODY : CALLISTO

INI:m.C3CNASGARD01

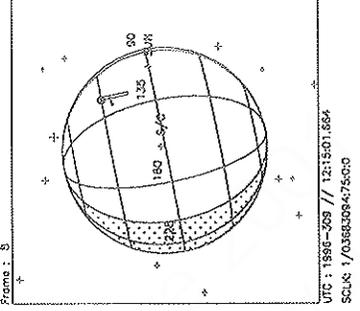
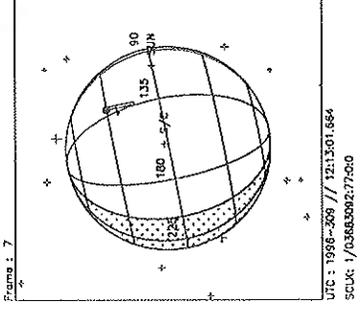
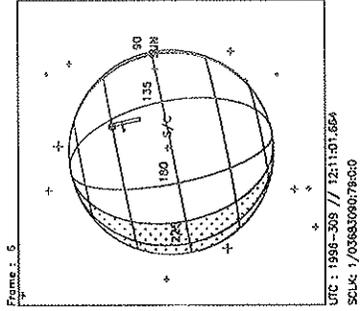
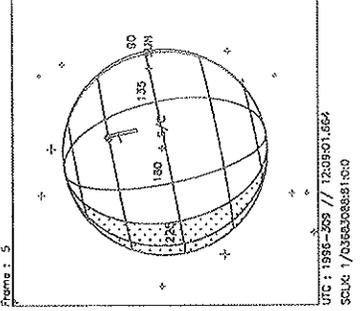
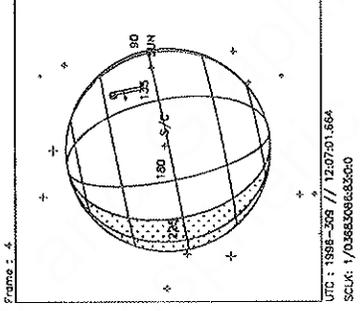
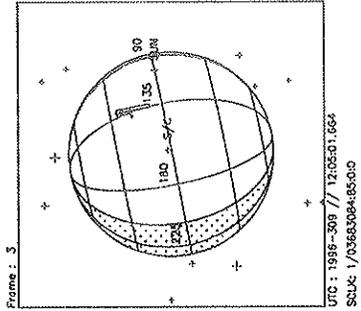
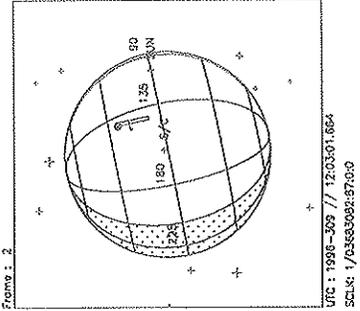
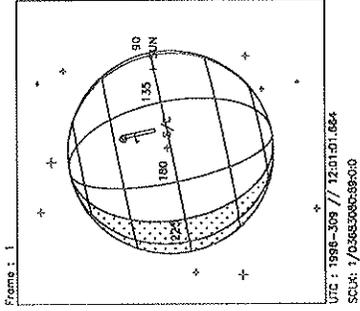
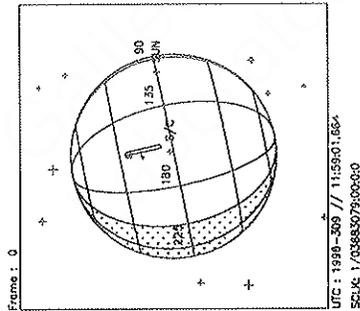
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ERRIAPSIS:

TART.CTE 96-309/13:30:05.733 -CDS 90:00:0

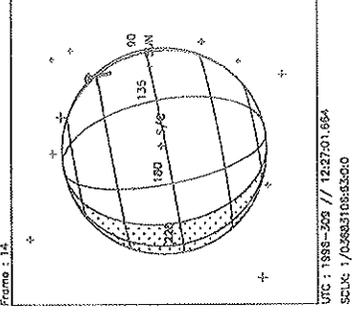
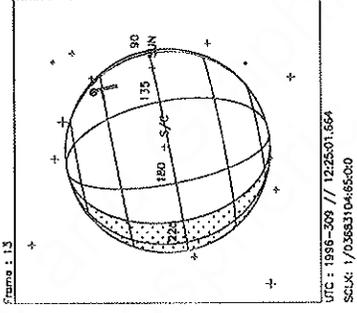
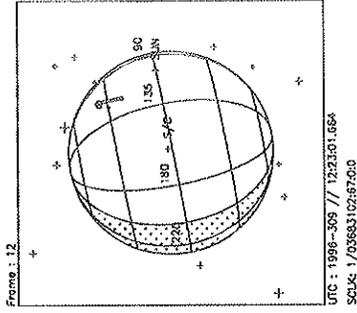
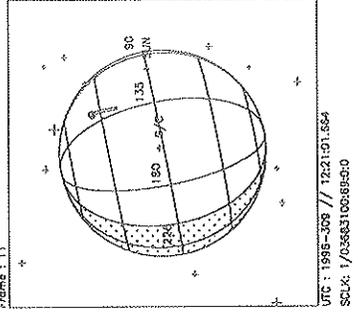
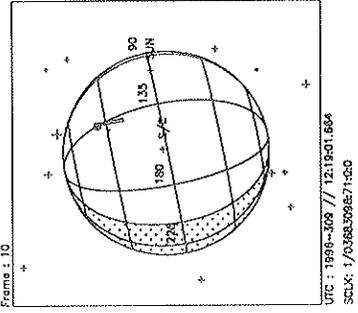
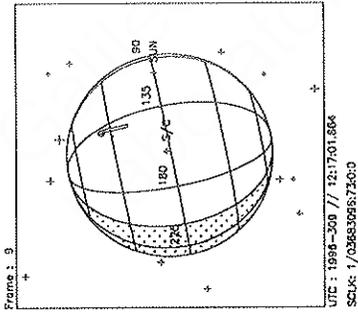
THINNING: :UVS 1

BODY PLOT TIME:TARGET-TIME D= 5288 S= 1.500



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End UTC.TIME : 1996-309 // 12:27:20.329
Start SCLK : 1/03683079:00:0:0
Delta Time between FOV : 120.0000
FOVs : N/G Channel(0.5x0.5)

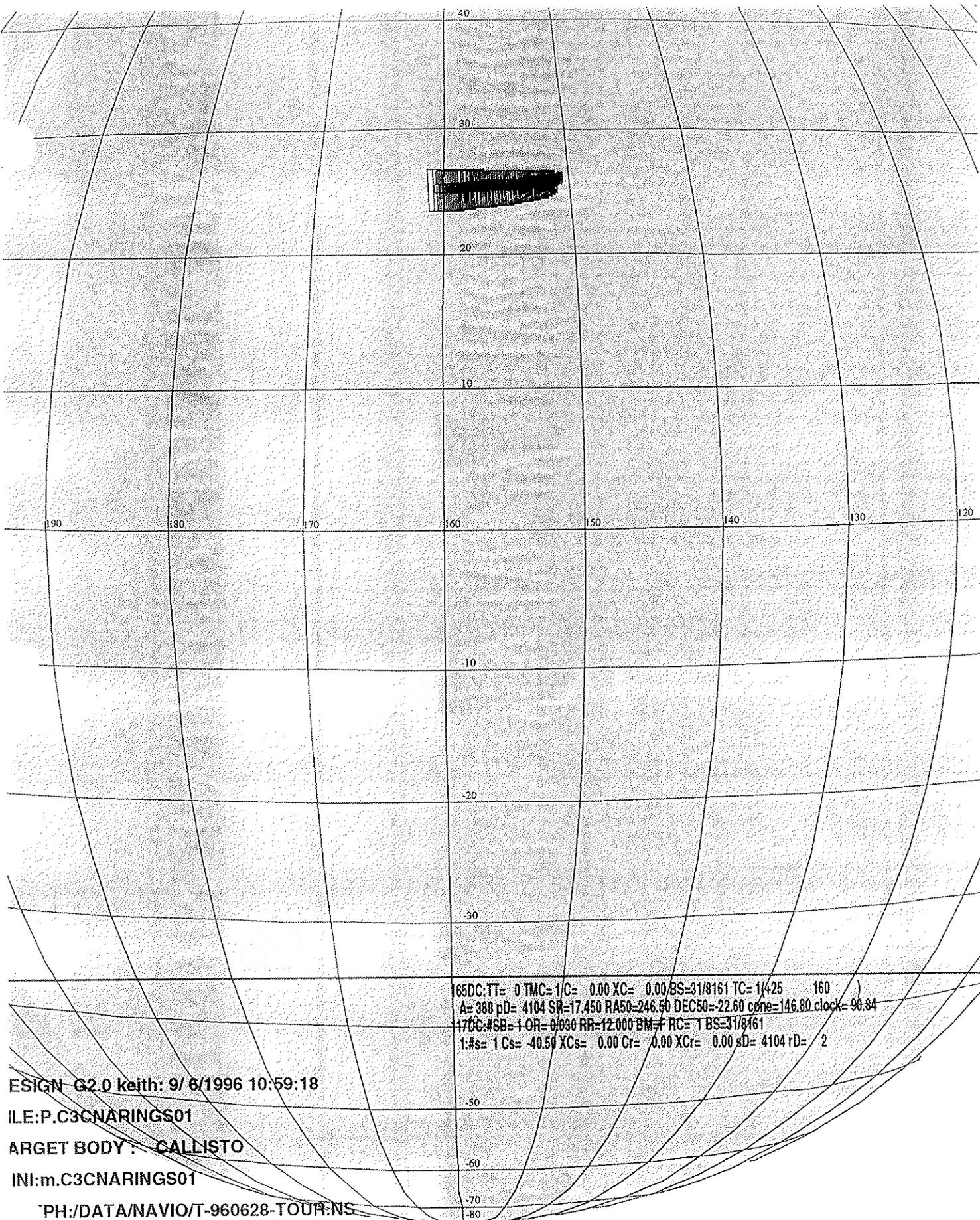
Target Body : CALLISTO
Target Ra/Dec : 240.21 / -23.29 Deg
S/C to Body Center : 44503.29 Km (18.519867 Rc)
Z-axis Pointing (Ra / Dec) : 102.80 / 25.00 Deg



Start UTC_TIME : 1996-309 // 11:59:01.664
 End UTC_TIME : 1996-309 // 12:27:20.329
 Start SCLK : 1/03683079:00:0:0
 Delta Time between FOV : 120.0000
 FOVs : N/G Channel(0.5x0.5)

Target Body : CALLISTO
 Target Ra/Dec : 241.27 / -23.74 Deg
 S/C to Body Center : 36193.57 Km (15.061825 Rc)
 Z-axis Pointing (Ra / Dec) : 102.80 / 23.00 Deg

Activity ID: Orbit C3		OAPEL CUARINGS		SeqNo 01+	
Title	UVS NIMS ARINGS RIDE-ALONG			Instrument	UVS
Requestor	UVS-SWG/K.NAVIAUX 37740	Team	UVS	Working Group	SWG
Time System	CDS	Load ID	C3A	Calendar Date	11/04/96 Week 45
Start	CTE-CDS 00000043:00:0		96-309/12:50:39.734		CTE-000/00:43:28.666
End	CTE-CDS 00000020:00:0		96-309/13:13:55.067		CTE-000/00:20:13.333
Duration	00000023:00:0		000/00:23:15.333		000/00:23:15.333
Top Label	C3CUARINGS01+				
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; padding: 5px;"> <p>Ride-along w/ NIMS Callisto ARINGS observation. Extend the surface scattering property measurements into the ultraviolet (1600. - 3200.) in concert with NIMS measurements to infer information about particle size, and refractive and absorption properties of the surface materials.</p> <p>UVS Configuration = F/F Full Scans</p> <p>PB D/L Mbits = (1008 bps)(22 RIMs)(60.667 s/RIM) = 1.345 Mbits</p> </div>					
Design Detail					
CDS RIM	Command Parameters	PSID			
-----	-----	-----			
38	000 CMDRS	(AU)			
001	1 34UVS,07,S,N,N,N,S,0,	ON,OFF,OFF, ON,OFF,NOOVR,1,00,9C,00,00			
023	23 34UVS,C1,F,N,N,N,S,0,	OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00			



ESIGN G2.0 keith: 9/ 6/1996 10:59:18

FILE:P.C3CNARINGS01

TARGET BODY: CALLISTO

INI:m.C3CNARINGS01

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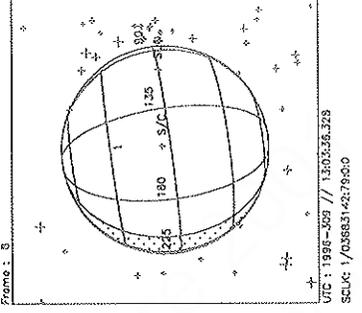
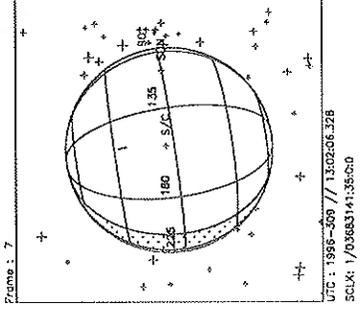
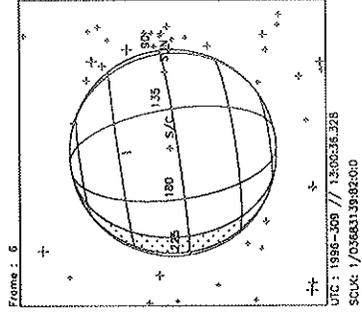
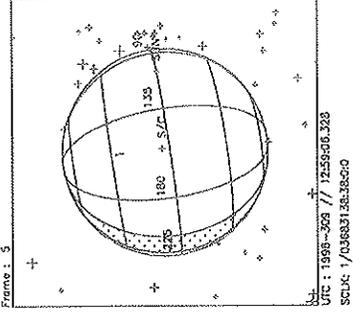
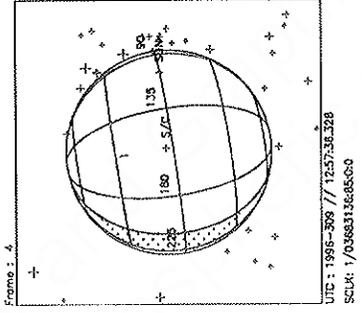
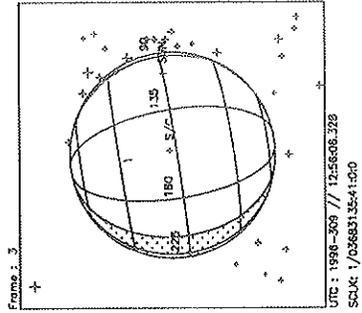
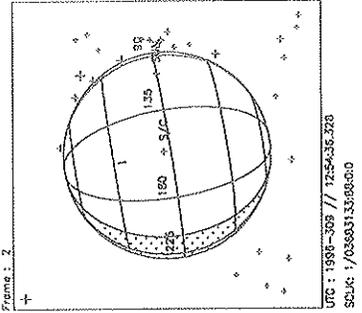
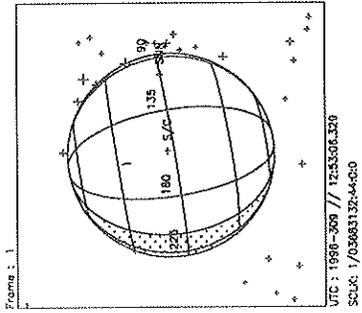
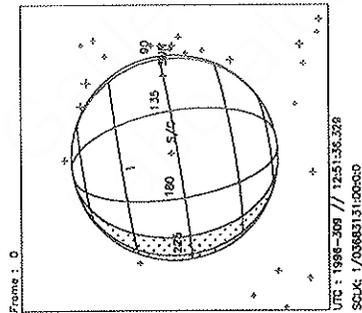
ERRIAPSIS:

TART:CTE 96-309/13:30:05.733 -CDS 42:00:0

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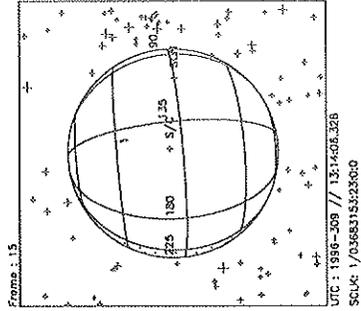
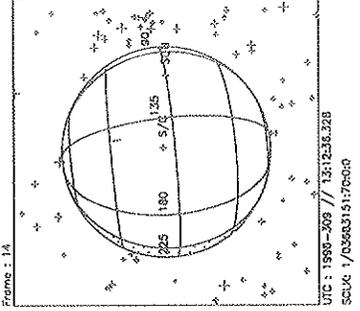
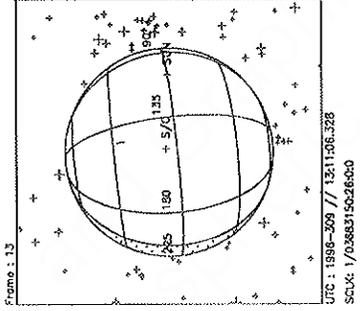
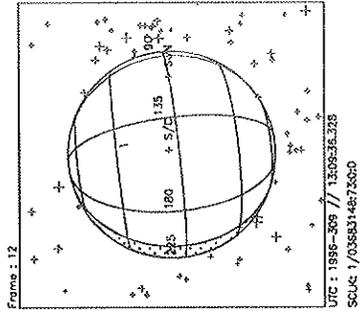
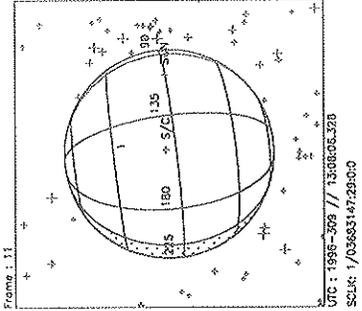
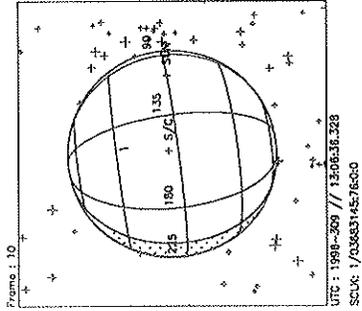
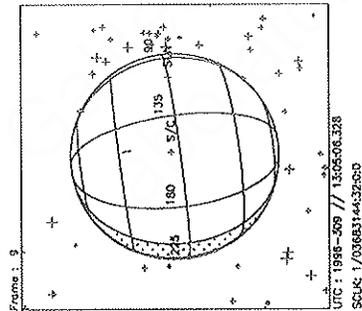
THINNING: :UVS 1

BODY PLOT TIME:TARGET-TIME D= 4104 S= 1.500



Start UTC_TIME : 1996-309 // 12:51:36.328
 No End Time :
 Start SCLK : 1/03683131:00:0:0

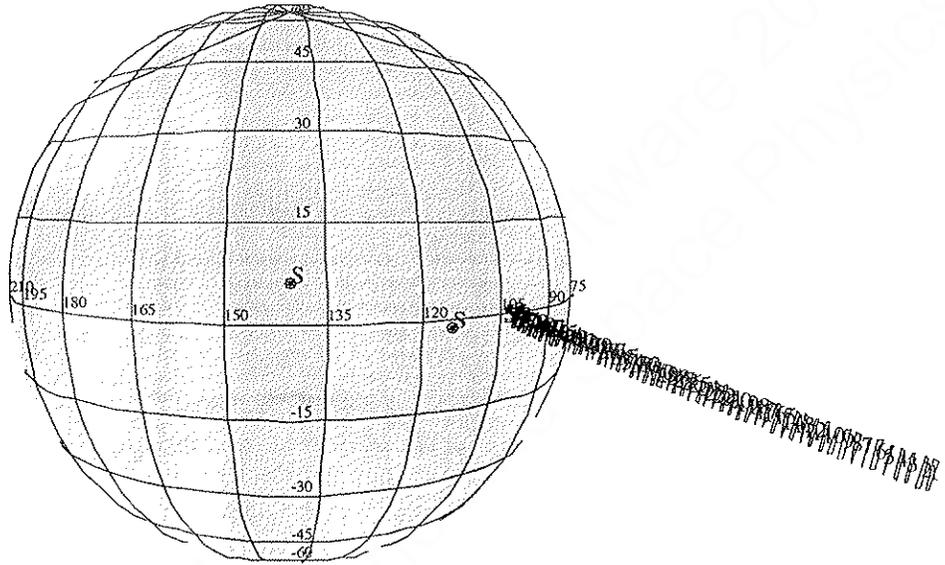
Target Body : CALLISTO
 Target Cone/Clock : 146.70 / 85.34 Deg
 S/C to Body Center : 20290.88 Km (8.4439773 Rc)
 Z-axis Pointing (Ra / Dec) : 102.80 / 25.00 Deg



Start UTC_TIME : 1996-309 // 12:51:36.329
No End Time :
Start SCLK : 1/03683131:00:00

Target Body : CALLISTO
Target Cone/Clock : 151.04 / 82.63 Deg
S/C to Body Center : 14154.61 Km (5.8903894 Rc)
Z-axis Pointing (Ro / Dec) : 102.80 / 25.00 Deg

Activity ID:	Orbit C3	OAPEL	CUBRTLMB	SeqNo	01-
Title	UVS CALLISTO BRIGHT LIMB SCAN (O & H)			Instrument	UVS
Requestor	UVS-SWG/K.NAVIAUX 37740	Team	UVS	Working Group	SWG
Time System	CDS	Load ID	C3A	Calendar Date	11/04/96
				Week	45
Start	CTE-CDS 00000019:00:0		96-309/13:14:55.734		CTE-000/00:19:12.666
End	CTE-CDS 00000013:00:0		96-309/13:20:59.734		CTE-000/00:13:08.666
Duration	00000006:00:0		000/00:06:04.000		000/00:06:04.000
Top Label	C3CUBRTLMB01-				
Bottom Label	(recorded)				
Plot Key	UVS	Type	SCI		
CDS Bytes	123	Report Options	BOTH		
CDS Source	OAP	Spin State	DUAL		
		Scan Platform	Yes		
		DMS	Yes		
Observation Objective					
<p>Measure the altitude distribution of volatiles near the sub-solar point to determine the escape rates from the Jovian satellites when the atmosphere is in full solar illumination. Search for outgassing of atomic H (1216Å) and atomic O (1304Å).</p> <p>6 RIM Callisto Bright Limb SCAN Observation (2 RIM target slew + 4 RIM recorded drift). Target s/p to -1 Rc off satellite bright limb then use a slow s/p slew to scan the FOV onto the bright limb.</p> <p>UVS Configuration = NIMS will ride-along w/ this observation (28.8 recording necessary) PB Mbits = (1008+144 bps)(4 RIMs)(60.667 s/RIM) = 0.280 Mbits</p>					
Design Detail					
CDS RIM Command Parameter					PSID
-----					-----
38 001 CMDRS					(CF)
002 1	34UVS,C1,F,N,N,N,S,0,OFF,OFF,	ON,	ON,OFF,NOOVR,1,62.05,00,09		
006 5	34UVS,C1,F,N,N,N,S,0,OFF,OFF,	ON,OFF,OFF,NOOVR,1,2C,05,00,00			
25 002 SCIREC	(4 RIM record @ 28.8 kbps)				(CA)
36 002 TARGET	(3 RIM Posn_slew)				(CO)
24 002 CSMOS					(CA)



165CO:TT= 0 TMC= 1 C= -555.71 XC= -14.29 BS= 0/2711 TC= 9
 A= 376 pD= 0 SR=17.430 RA50=222.94 DEC50=-31.33 cone=127.48 clock= 72.96
 117CA:#SB= 1 OR= 1.600 RR=12.000 BM=F RC= 1 BS= 0/2711
 1:#s= 1 Cs= 349.00 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 728 rD= 2

ESIGN G2.0 keith: 9/ 4/1996 11:23:33

FILE:P.C3CUBRTLMB01

TARGET BODY : CALLISTO

INI:m.C3CUBRTLMB01

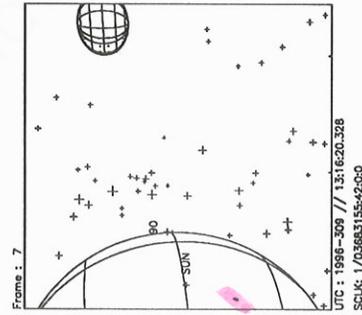
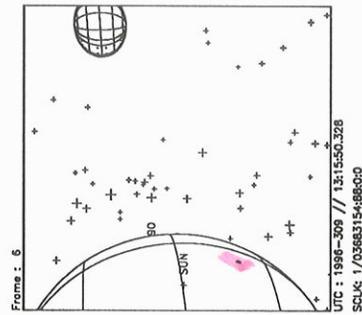
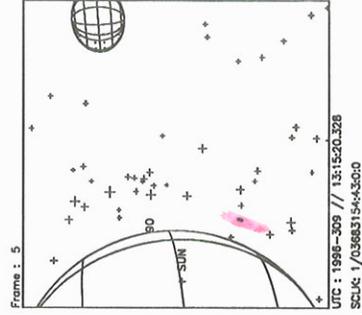
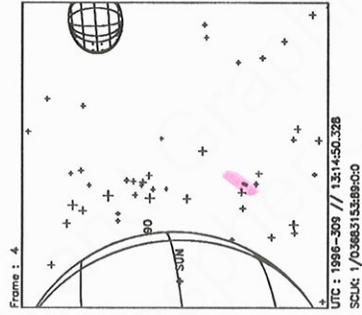
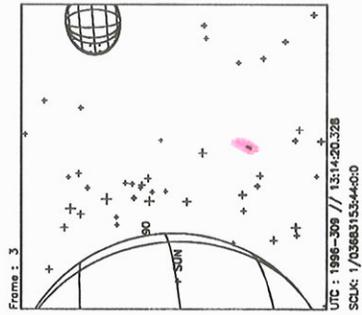
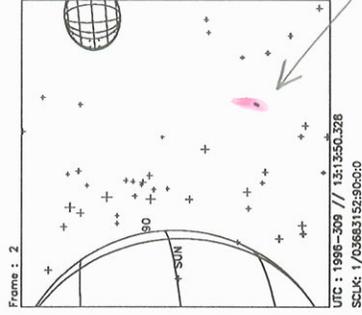
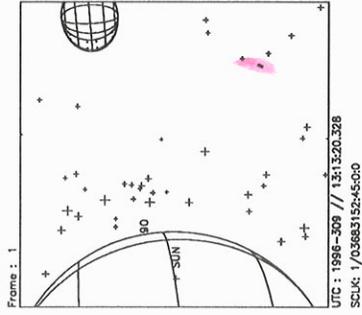
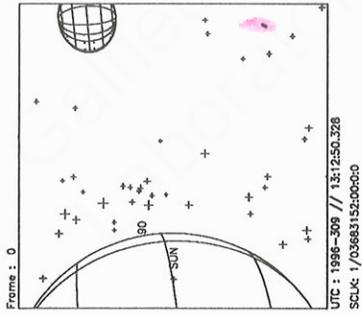
PH:/DATA/NAVIO/T-960628-TOUR.NS

PHAPSIS:

THINNING: :UVS 1

TART:CTE 96-309/13:30:05.733 -CDS 17:00:0

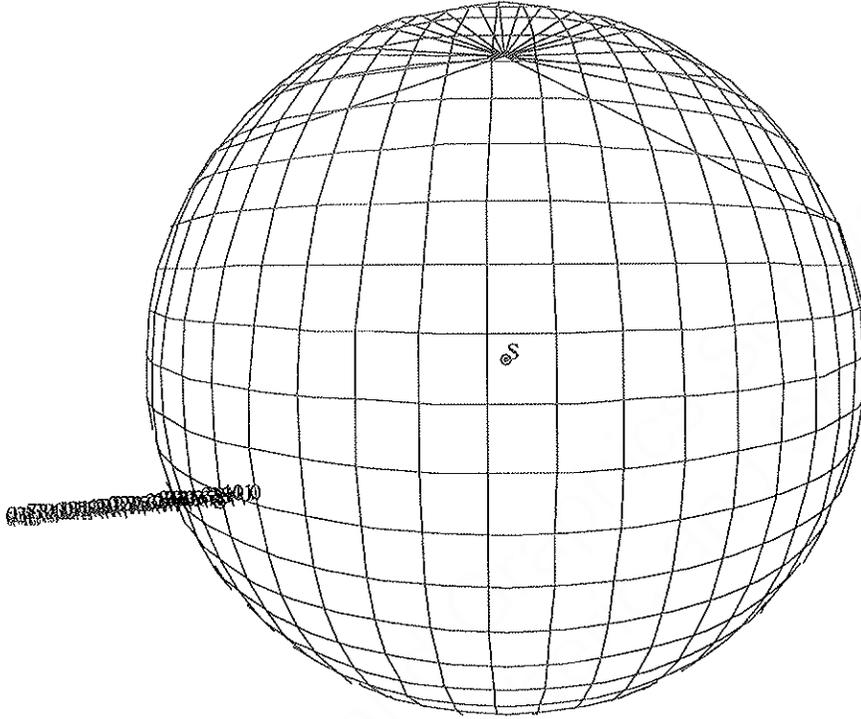
BODY PLOT TIME:96-309/13:16:54.066 D= 0 S= 0.350



Start UTC_TIME : 1996-309 // 13:12:50.328
No End Time :
Start SCLK : 1/03683152:00:0:0

Target Body : CALLISTO
Target Cone/Clock : 155.69 / 79.20 Deg
S/C to Body Center : 10705.59 Km (4.4550927 Rc)
Z-axis Pointing (Ra / Dec) : 102.80 / 25.00 Deg

Activity ID:	Orbit C3	OAPEL	CUBRTLMB	SeqNo	02-
Title	UVS CALLISTO BRIGHT LIMB (OH)			Instrument	UVS
Requestor	UVS-SWG/K.NAVIAUX 37740	Team	UVS	Working Group	SWG
Time System	CDS	Load ID	C3A	Calendar Date	11/04/96
				Week	45
Start	CTE-CDS 00000006:45:0		96-309/13:27:34.400		CTE-000/00:06:34.000
End	CTE-CDS 00000001:00:0		96-309/13:33:07.734		CTE-000/00:01:00.666
Duration	00000005:45:0		000/00:05:33.334		000/00:05:33.334
Top Label	C3CUBRTLMB02-				
Bottom Label	(recorded)				
Plot Key	UVS	Type	SCI		
CDS Bytes	99	Report Options	BOTH	Scan Platform	Yes
CDS Source	OAP	Spin State	DUAL	DMS	Yes
Observation Objective					
<p>Measure the altitude distribution of volatiles near the sub-solar point to determine the escape rates from the Jovian satellites when the atmosphere is in full solar illumination. Search for outgassing of OH (3019.9 - 3114.2Å) using the UVS N-Channel.</p> <p>5.5 RIM Callisto Bright Limb Drift observation (2.5 RIM target slew + 3 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.</p> <p>UVS Configuration = N/N 1-posn 33-step on OH NIMS will ride-along w/ this observation (28.8 recording necessary) PB Mbits = (1008+144 bps)(3 RIMs)(60.667 s/RIM) = 0.210 Mbits</p>					
Design Detail					
CDS RIM Command Parameter				PSID	
-----				----	
38 1.5 CMDRS				(CG)	
2.5 1	34UVS,D7,F,N,N,N,S,0,OFF, ON,OFF, ON,OFF,NOOVR,1,6F,5D,00,00				
5.5 3	34UVS,C1,F,N,N,N,S,0,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00				
25 2.5 SCIREC	(3 RIM record @ 28.8 kbps)			(CB)	
36 2.5 TARGET	(2.5 RIM Posn_slew)			(CP)	



165CP:TT= 0 TMC= 1 C= -961.15 XC= -37.06 BS= 0/5077 TC= 9
A= 720 pD= 0 SR=17.430 RA50= 7.44 DEC50=-25.86 cone=105.10 clock=296.27

ESIGN G2.0 keith: 9/ 4/1996 11:24:16

FILE:P.C3CUBRTLMB02

TARGET BODY : CALLISTO

INI:m.C3CUBRTLMB02

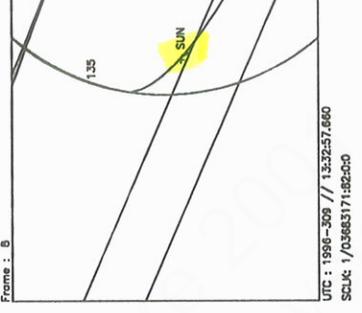
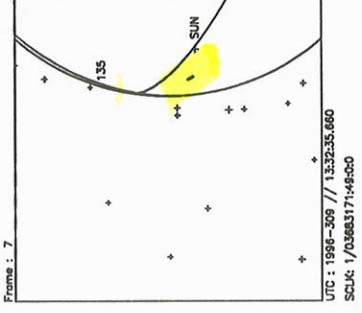
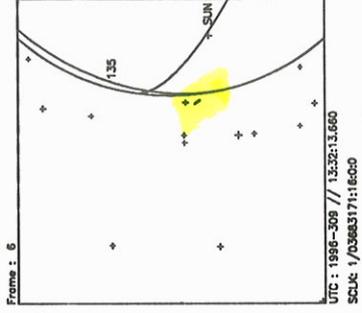
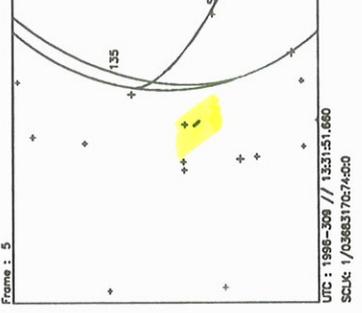
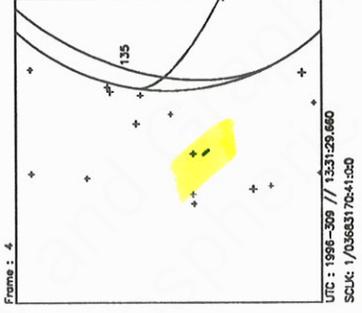
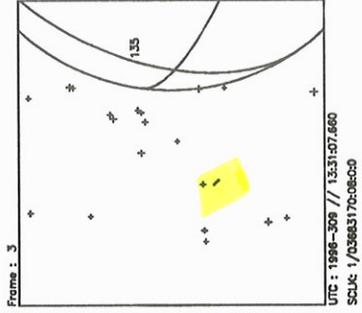
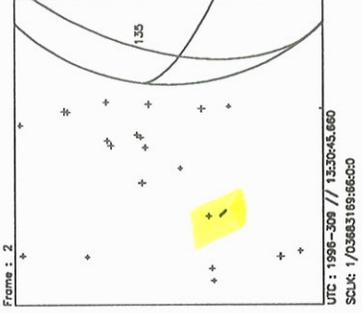
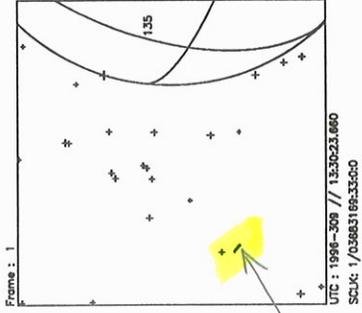
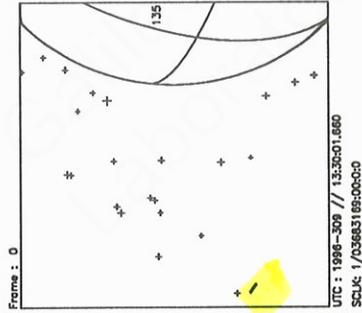
PH:/DATA/NAVIO/T-960628-TOUR.NS

ERR1APSIS:

THINNING: :UVS 1

TART:CTE 96-309/13:30:05.733 -CDS 04:00:0

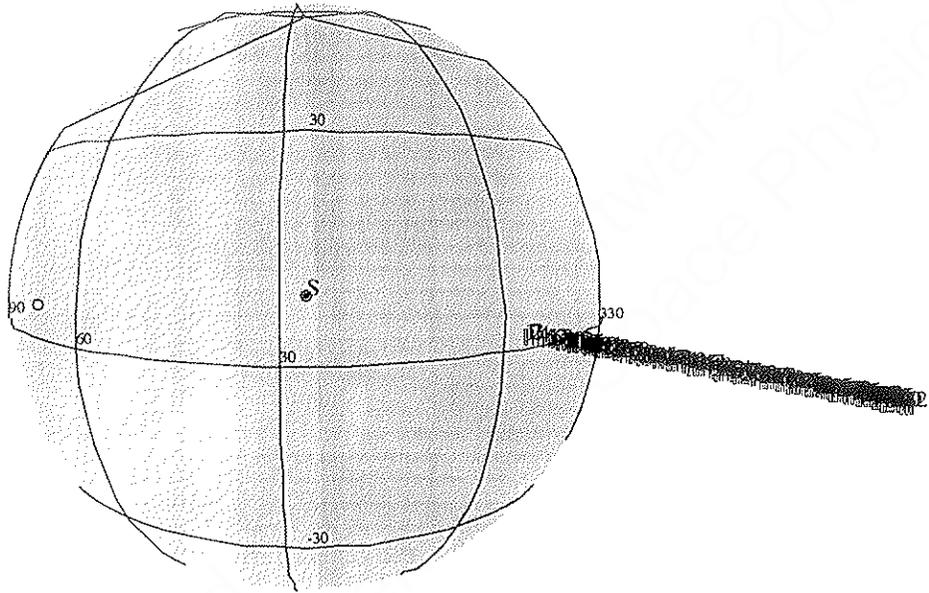
BODY PLOT TIME:96-309/13:29:02.066 D= 0 S= 0.350



Start UTC_TIME : 1996-309 // 13:30:01.660
No End Time :
Start SCLK : 1/03663169:00:00:0
Delta Time between FOV : 22.00000
FOVs : F Channel(0.1x0.4), N/G Channel(0.5x0.5)

Target Body : CALLISTO
Target Cone/Clock : 159.98/302.47 Deg
S/C to Body Center : 4087.722 Km (1.7010913 Rc)
Z-axis Pointing (Ra / Dec) : 102.80 / 25.00 Deg

Activity ID: Orbit C3		OAPEL CUDRKLMB		SeqNo 01-	
Title	UVS CALLISTO DARK LIMB DRIFT			Instrument	UVS
Requestor	UVS-SWG/K.NAVIAUX 37740	Team	UVS	Working Group	SWG
Time System	CDS	Load ID	C3A	Calendar Date	11/04/96
				Week	45
Start	CTE+CDS 00000007:45:0		96-309/13:41:43.066		CTE+000/00:07:34.666
End	CTE+CDS 00000017:00:0		96-309/13:51:19.733		CTE+000/00:17:11.333
Duration	00000009:46:0		000/00:09:36.667		000/00:09:36.667
Top Label	C3CUDRKLMB01-				
Bottom Label	(recorded)				
Plot Key	UVS	Type	SCI		
CDS Bytes	74	Report Options	BOTH	Scan Platform	Yes
CDS Source	OAP	Spin State	DUAL	DMS	Yes
Observation Objective					
<p>Measure the altitude distribution of volatiles off the dark limb to determine the particle impact excitation emission rates from the Jovian satellites.</p> <p>9.5 RIM Callisto Dark Limb Drift observation (1.5 RIM target slew + 8 RIM recorded data). Target s/p to satellite dark limb and allow s/c motion to drift the FOV to ~1 Rc off the dark limb.</p> <p>UVS Configuration =</p> <p>PB D/L Mbits = (1008+144 bps)(8 RIMS)(60.667 s/RIM) = 0.559 Mbits</p>					
Design Detail					
CDS RIM Command Parameter				PSID	
-----				-----	
38 0.5 CMDRS				(CH)	
1.5 1	34UVS,C1,F,N,N,N,S,0,OFF,OFF,	ON,	ON,OFF,NOOVR,1,62,05,00,09		
9.5 9	34UVS,C1,F,N,N,N,S,0,OFF,OFF,	ON,OFF,OFF,NOOVR,1,2C,05,00,00			
SCIREC	(8 RIM record <- r/a with continuous F&P c/a recording)				
36 1.5 TARGET	(1.5 RIM Posn_slew)		(CQ)		



165CQ:TT= 0 TMC= 1 C= 357.27 XC= 53.71 BS= 0/7443 TC= 9
 A= 446 pD= 0 SR=17.430 RA50= 4.99 DEC50= -9.75 cone=101.13 clock=280.05

ESIGN G2.0 keith: 9/ 4/1996 11:25:15

FILE:P.C3CUDRKLMB01

TARGET BODY : CALLISTO

INI:m.C3CUDRKLMB01

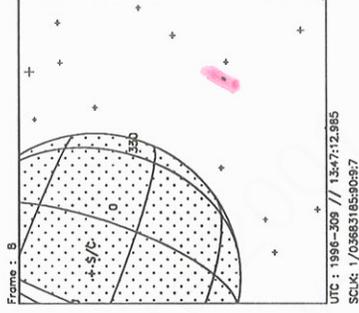
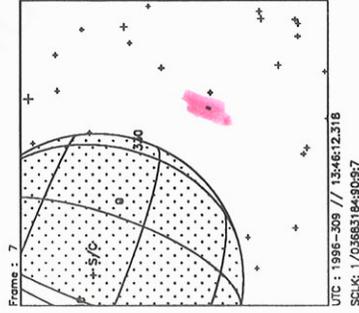
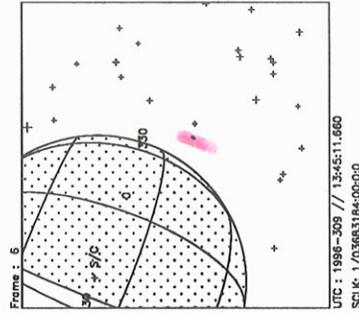
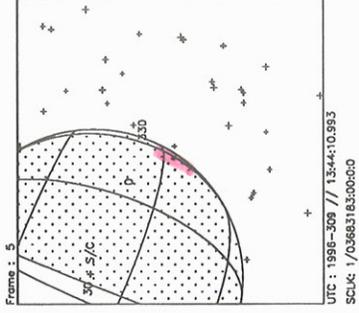
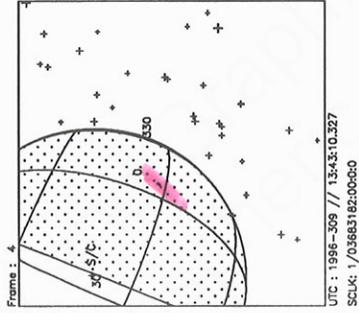
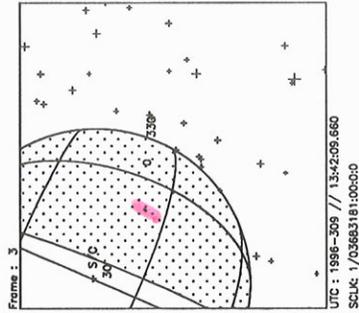
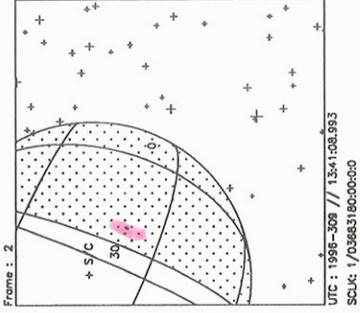
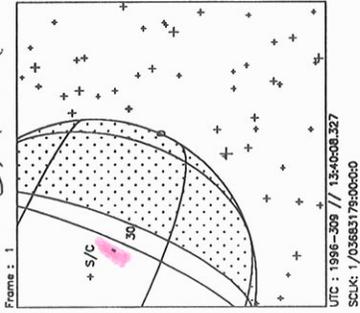
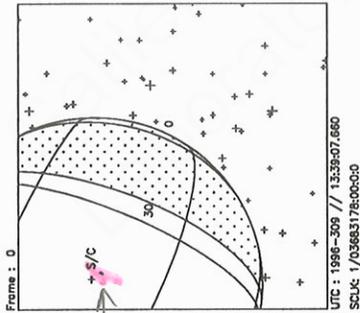
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PHIAPSIS:

THINNING: :UVS 1

TART:CTE 96-309/13:30:05.733 +CDS 09:00:0

BODY PLOT TIME:96-309/13:39:08.733 D= 0 S= 0.350



Start UTC_TIME : 1996-309 // 13:39:07.660
No End Time :
Start SCLK : 1/03683178:00:0:0
Delta Time between FOV : 60.66600
FOVs : F Channel(0.1x0.4)

Target Body : CALLISTO
Target Ra/Dec : 7.57 / -8.14 Deg
S/C to Body Center : 4149.556 Km (1.7268231 Rc)
Z-axis Pointing (Ra / Dec) : 102.80 / 25.00 Deg

Activity ID: Orbit C3	OAPEL EUPHAS40	SeqNo 01-
Title	UVS EUROPA PHASE (~40 deg)	Instrument UVS
Requestor	UVS-SWG/K.NAVIAUX 37740	Team UVS
		Working Group SWG

Time System CDS	Load ID C3A	Calendar Date 11/04/96	Week 45
Start	CEE+CDS 00000151:00:0	96-309/16:02:46.399	CEE+000/02:32:40.666
End	CEE+CDS 00000185:00:0	96-309/16:37:09.066	CEE+000/03:07:03.333
Duration	00000034:00:0	000/00:34:22.667	000/00:34:22.667

Top Label	C3EUPHAS4001-		
Bottom Label	(real-time)		
Plot Key	UVS	Type	SCI
CDS Bytes	130	Report Options	BOTH
		Scan Platform	Yes
CDS Source	OAP	Spin State	DUAL
		DMS	No

Observation Objective

Observe Europa in the 1600Å to 3200Å wavelength regions at phase angles not obtainable from the Earth to supplement and complement the NIMS surface property measurements.

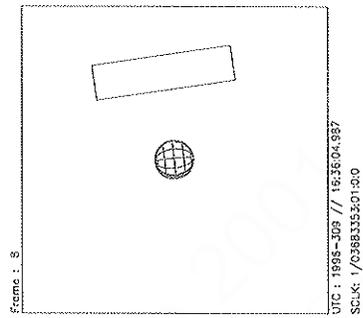
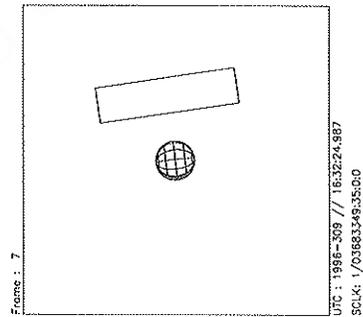
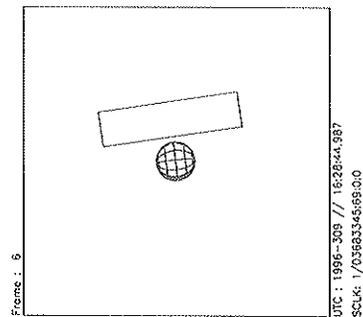
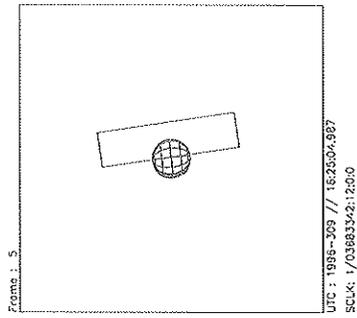
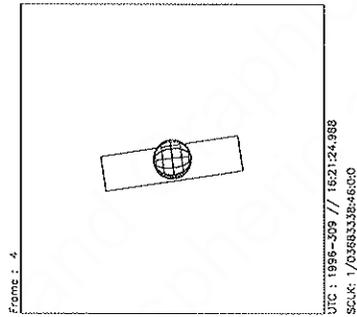
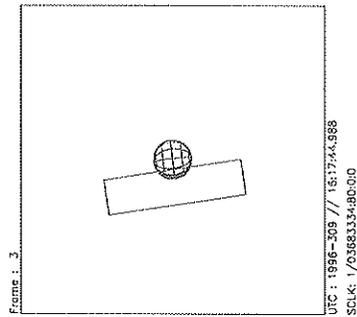
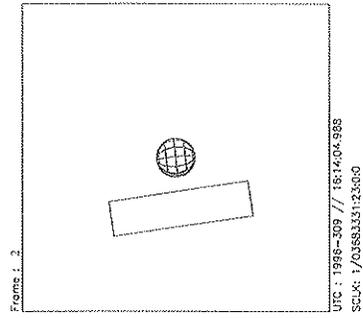
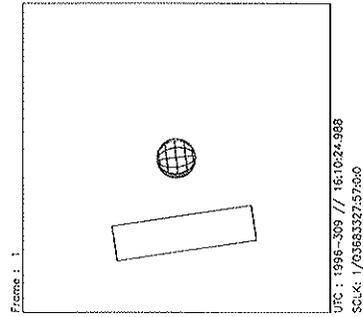
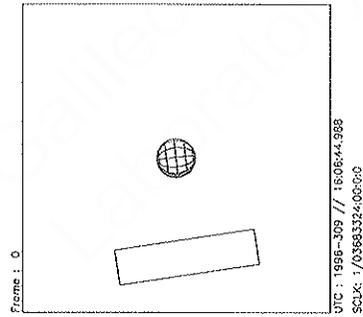
1 scan-platform drift across Europa in real-time at ~40° phase (~80-105 longitude ; 30 RIM 3-sigma drift rate) using the UVS 10bps RTS rate. The drift will include 29 RIMs HV On / 1 RIM HV Off for PWS time sharing.

UVS Configuration = F/F Full Scans

RTS D/L Mbits = (17712 bits/flush)(1 flush) = 0.018 Mbits

Design Detail

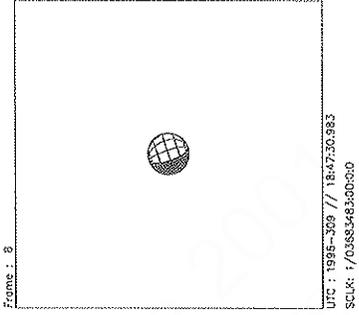
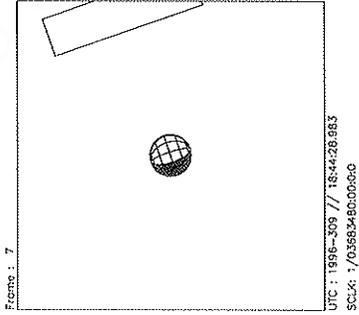
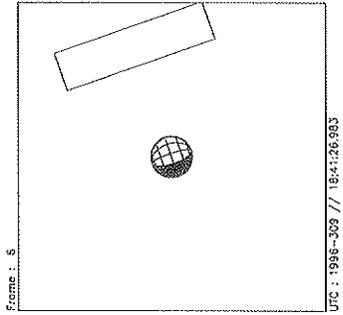
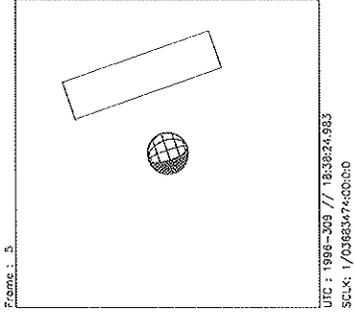
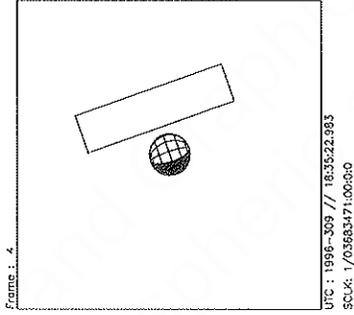
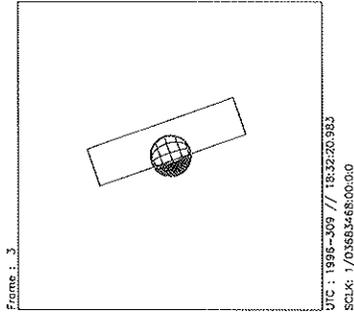
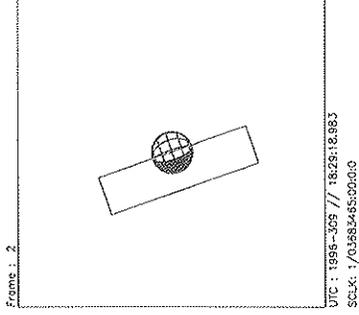
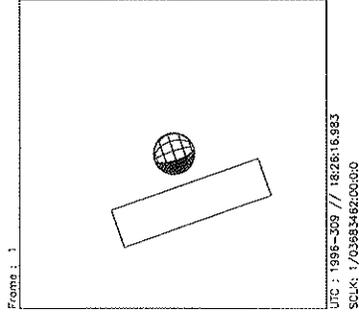
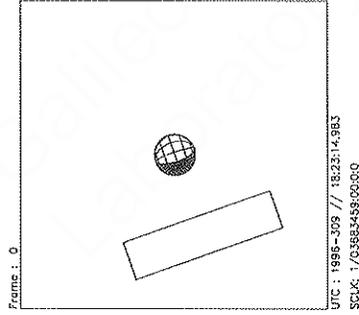
CDS RIM Command Parameters	PSID
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033 30 34UVS,C1,F,N,N,N,S,0,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00	
28 003+UVFLUSH DISCRD,UVS	(CJ)
36 004 TARGET (4 RIM Posn_slew)	(CR)
28 032+UVFLUSH PACKET,UVS	(CC)



Start UTC TIME : 1996-309 // 16:06:44.988
No End Time :
Start SCLK : 1/03683324:00:00

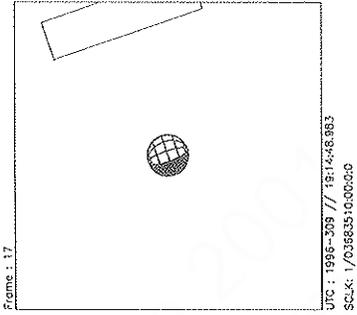
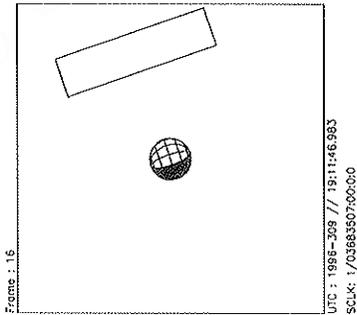
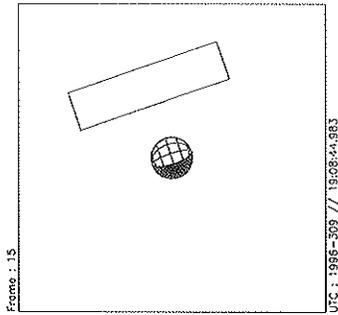
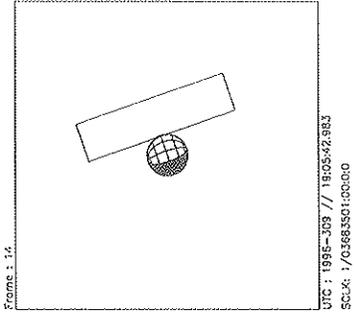
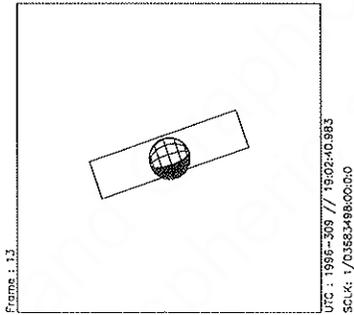
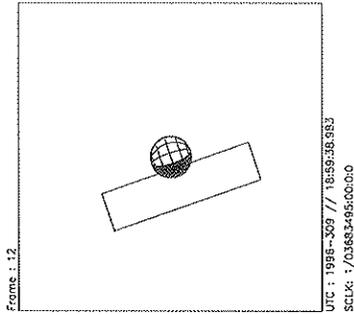
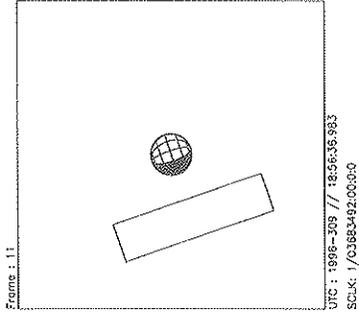
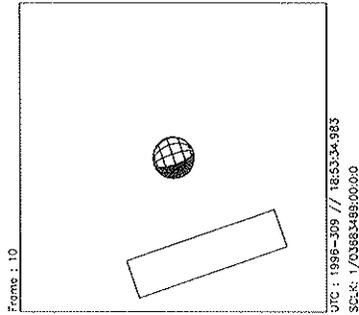
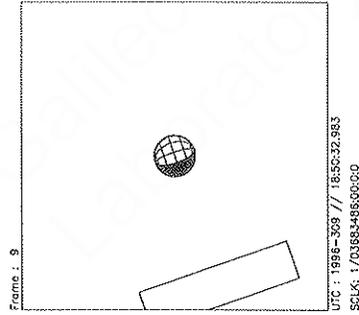
Target Body : EUROPA
Target Ra/Dec : 251.15/-24.20 Deg
S/C to Body Center : 1663182. Km (1062.7361 Re)
Z-axis Pointing (Ra / Dec) : 102.80 / 25.00 Deg

Activity ID: Orbit C3		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	C3A	Calendar Date	11/04/96
				Week	45
Start	CEE+CDS 00000286:00:0		96-309/18:19:16.399		CEE+000/04:49:10.666
End	CEE+CDS 00000369:00:0		96-309/19:43:11.733		CEE+000/06:13:06.000
Duration	00000083:00:0		000/01:23:55.334		000/01:23:55.334
Top Label	C3IUNTRLCL01-				
Bottom Label	(real-time)				
Plot Key	UVS	Type	SCI		
CDS Bytes	370	Report Options	BOTH	Scan Platform	Yes
CDS Source	OAP	Spin State	DUAL	DMS	No
Observation Objective					
<p>UVS real-time Io Neutral Cloud observation. Determine the composition and time variation of the Io neutral cloud (SO₂, SO, O, S, K, Na) to assist in the modeling of the Io plasma torus and Io atmosphere. 3 scan-platform drifts across Io (18 RIM 2-sigma drift rate) in real-time using the UVS 10bps RTS rate. Each drift will include 18 RIMs HV on / 12 RIMs HV off for PWS time sharing.</p> <p>UVS Configuration = 1-Step 2-Posn on 1474.6/1510.7Å</p> <p>RTS D/L Mbits = (17712 bits/flush)(3 flushes) = 0.053 Mbits</p>					
Design Detail					
CDS RIM Command Parameters					PSID
-----					-----
94 003 CMDRS					(CJ)
004 1	34UVS,C1,F,N,N,N,S,0,OFF,OFF,	ON,	ON,OFF,NOOVR,1,2C,06,00,18	1474/1510	
022 19	34UVS,C1,F,N,N,N,S,0,OFF,OFF,	ON,OFF,OFF,NOOVR,1,2C,05,00,00		HV Off	
034 31	34UVS,C1,F,N,N,N,S,0,OFF,OFF,	ON, ON,OFF,NOOVR,1,0C,06,00,18		1474/1510	
052 49	34UVS,C1,F,N,N,N,S,0,OFF,OFF,	ON,OFF,OFF,NOOVR,1,2C,05,00,00		HV Off	
064 61	34UVS,C1,F,N,N,N,S,0,OFF,OFF,	ON, ON,OFF,NOOVR,1,0C,06,00,18		1474/1510	
082 79	34UVS,C1,F,N,N,N,S,0,OFF,OFF,	ON,OFF,OFF,NOOVR,1,2C,05,00,00		HV Off	
28 003+UVFLUSH DISCRD,UVS					(CK)
36 004 TARGET (4 RIM Posn_slew)					(CS)
28 021+UVFLUSH PACKET,UVS					(CN)
28 033+UVFLUSH DISCRD,UVS					(CT)
36 034 TARGET (4 RIM Posn_slew)					(CD)
28 051+UVFLUSH PACKET,UVS					(CP)
28 063+UVFLUSH DISCRD,UVS					(CQ)
36 064 TARGET (4 RIM Posn_slew)					(CG)
28 081+UVFLUSH PACKET,UVS					(CR)



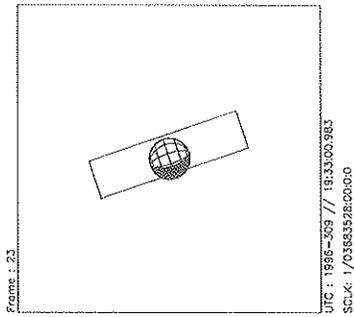
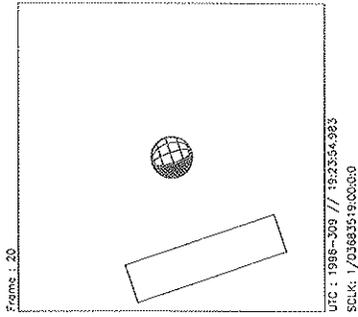
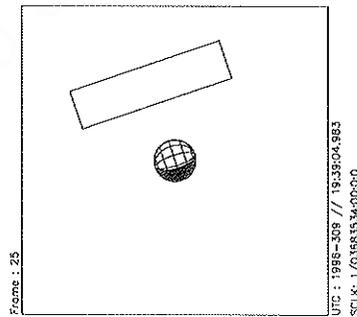
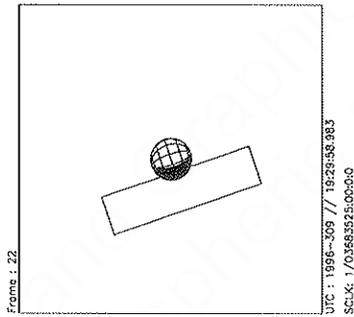
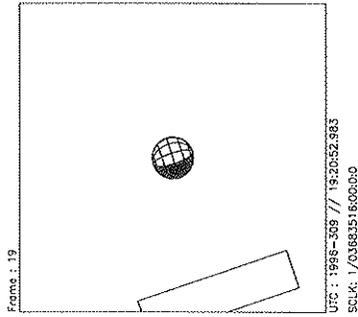
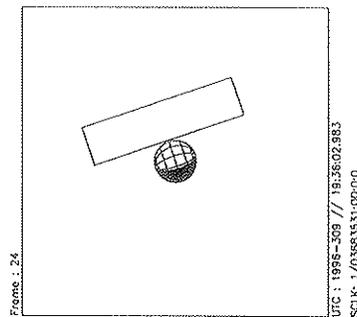
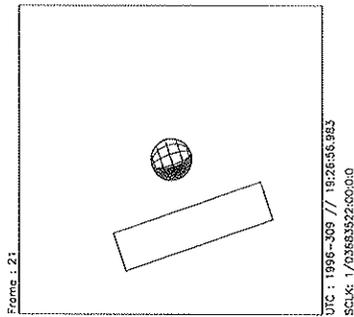
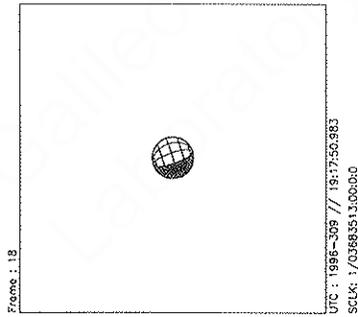
Start UTC_TIME : 1996-309 // 18:23:14.983
End UTC_TIME : 1996-309 // 19:42:06.980
Start SCLK : 1/036834590000
Delta Time between FOV : 182.0000
FOVs : F Channel(0.1x0.4)

Target Body : IO
Target Ra/Dec : 218.93/-17.17 Deg
S/C to Body Center : 1963303. Km (1076.1659 Ri)
Z-axis Pointing (Ra / Dec) : 102.80 / 25.00 Deg



Start UTC_TIME : 1996-309 // 18:23:14.983
End UTC_TIME : 1996-309 // 19:42:06.980
Start SCLK : 1/03683459:00:00
Delta Time between FOV : 182.0000
FOVs : F Channel(0.1x0.4)

Target Body : IO
Target Rg/Dec : 219.71/-17.42 Deg
S/C to Body Center : 19710*0. Km (1080.4067 Ri)
Z-axis Pointing (Rg / Dec) : 102.80 / 25.00 Deg

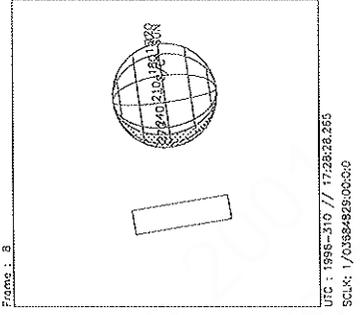
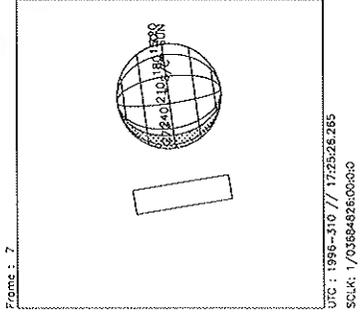
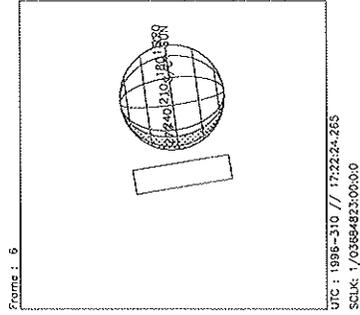
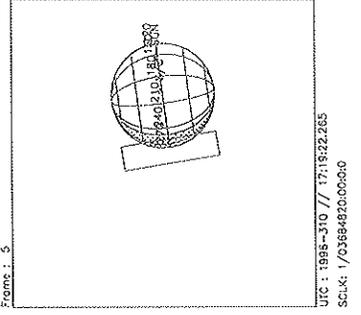
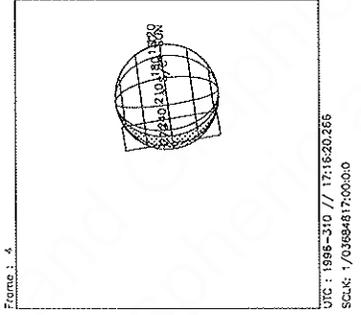
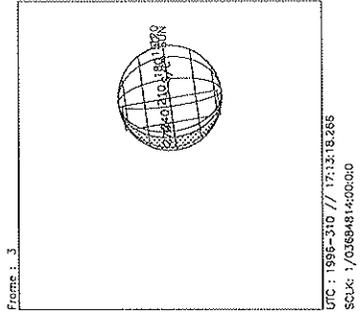
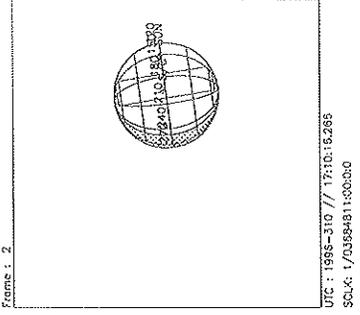
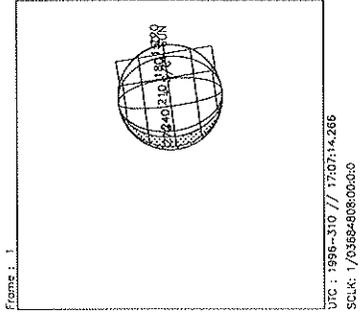
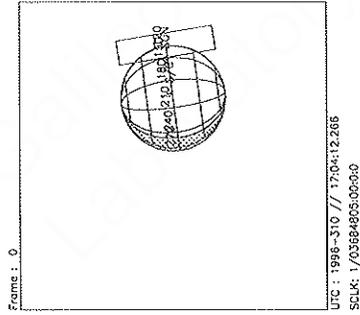


UVS EUROPA PHASE (~41 deg)

ACTIVITY ID: C3EUPHAS4101-

START TIME: 96-310/17:00:13.600

Activity ID: Orbit C3	OAPEL EUPHAS41	SeqNo 01-
Title	UVS EUROPA PHASE (~41 deg)	Instrument UVS
Requestor	UVS-SWG/K.NAVIAUX 37740	Team UVS
		Working Group SWG
Time System CDS	Load ID C3A	Calendar Date 11/05/96
		Week 45
Start	JEE-CDS 00001214:00:0	96-310/17:00:13.600
		JEE-000/20:27:29.333
End	JEE-CDS 00001185:00:0	96-310/17:29:32.933
		JEE-000/19:58:10.000
Duration	00000029:00:0	000/00:29:19.333
		000/00:29:19.333
Top Label	C3EUPHAS4101-	
Bottom Label	(real-time)	
Plot Key	UVS	Type SCI
CDS Bytes	130	Report Options BOTH
		Scan Platform Yes
CDS Source	OAP	Spin State DUAL
		DMS No
Observation Objective		
	Observe Europa in the 1600Å to 3200Å wavelength regions at phase angles not obtainable from the Earth to supplement and complement the NIMS surface property measurements. 1 scan-platform drift across Europa in real-time at ~41° phase (~ longitude ; 24 RIM 3-sigma drift rate) using the UVS 10bps RTS rate.	
	UVS Configuration = F/F Full Scans	
	RTS D/L Mbits = (17712 bits/flush)(1 flush) = 0.018 Mbits	
Design Detail		
CDS RIM Command Parameters		PSID
-----		-----
38 003 CMDRS		(CB)
004 1 34UVS,07,S,N,N,N,S,0,	ON,OFF,OFF,	ON,OFF,NOOVR,1,00,9C,00,00
028 25 34UVS,C1,F,N,N,N,S,0,	OFF,OFF,	ON,OFF,OFF,NOOVR,1,2C,05,00,00
28 003+UVFLUSH DISCRD,UVS		(CH)
36 004 TARGET (4 RIM Posn_slew)		(CC)
28 027+UVFLUSH PACKET,UVS		(CI)



Start UTC.TIME : 1996-310 // 17:04:12.266
No End Time :
Start SCLK : 1/03684805:00:0:0

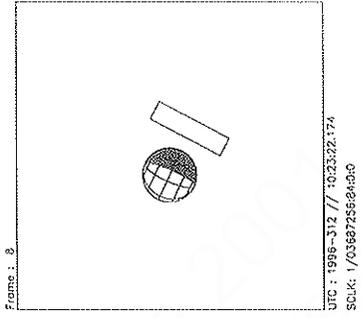
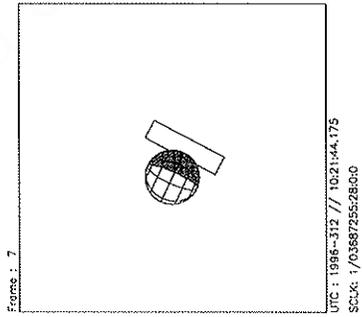
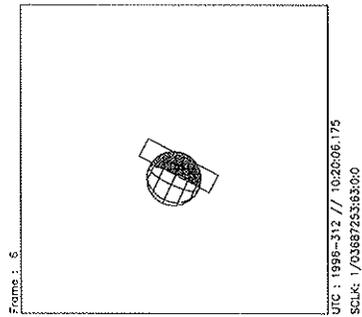
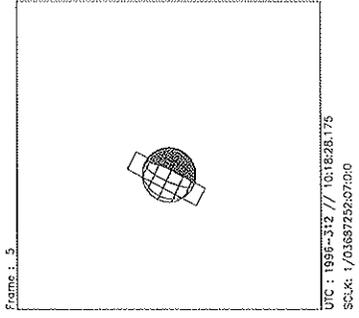
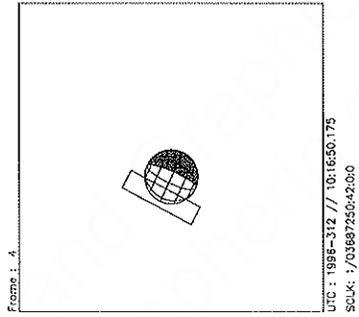
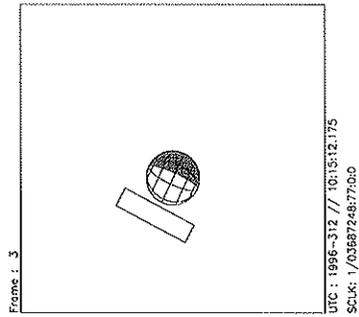
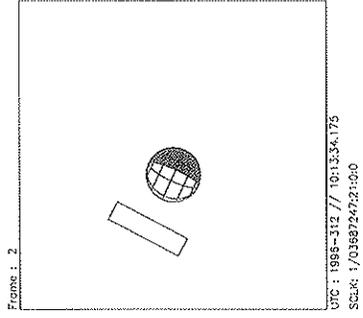
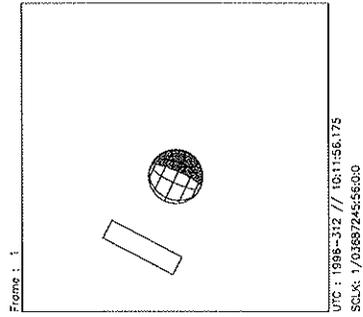
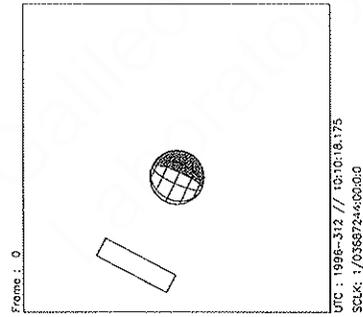
Target Body : EUROPA
Target Ra/Dec : 249.50/-23.89 Deg
S/C to Body Center : 424498.7 Km (271.24517 Re)
Z-axis Pointing (Ra / Dec) : 102.80 / 25.00 Deg

UVS GANYMEDE PHASE (~80 deg)

ACTIVITY ID: C3GUPHAS8001-

START TIME: 96-312/10:06:19.733

Activity ID: Orbit C3	OAPEL GUPHAS80	SeqNo 01-
Title	UVS GANYMEDE PHASE (~80 deg)	Instrument UVS
Requestor	UVS-SWG/K.NAVIAUX 37740	Team UVS
		Working Group SWG
Time System CDS	Load ID C3A	Calendar Date 11/07/96
		Week 45
Start	CEE+CDS 00004071:00:0	96-312/10:06:19.733
		CBE+002/20:36:14.000
End	CEE+CDS 00004105:00:0	96-312/10:40:42.399
		CEE+002/21:10:36.666
Duration	00000034:00:0	000/00:34:22.666
		000/00:34:22.666
Top Label	C3GUPHAS8001-	
Bottom Label	(real-time)	
Plot Key	UVS	Type SCI
CDS Bytes	130	Report Options BOTH
		Scan Platform Yes
CDS Source	OAP	Spin State DUAL
		DMS No
Observation Objective		
<p>Observe Ganymede in the 1600Å to 3200Å wavelength regions at phase angles not obtainable from the Earth to supplement and complement the NIMS surface property measurements. 1 scan-platform drift across Ganymede in real-time at ~80° phase (~295-300 longitude ; 13 RIM 3-sigma drift rate) using the UVS 10bps RTS rate. The drift will include 13 RIMs HV On / 17 RIMs HV Off for PWS time sharing.</p> <p>UVS Configuration = F/F Full Scans</p> <p>RTS D/L Mbits = (17712 bits/flush)(1 flush) = 0.018 Mbits</p>		
Design Detail		
CDS RIM Command Parameters		PSID
-----		----
38 003 CMDRS		(CK)
004 1 34UVS,07,S,N,N,N,S,0	ON,OFF,OFF	ON,OFF,NOOVR,1,00,9C,00,00
017 14 34UVS,C1,F,N,N,N,S,0	OFF,OFF	ON,OFF,OFF,NOOVR,1,2C,05,00,00
28 003+UVFLUSH DISCRD,UVS		(CL)
36 004 TARGET (4 RIM Posn_slew)		(CT)
28 016+UVFLUSH PACKET,UVS		(CM)



Start UTC_TIME : 1996-312 // 10:10:18.175
No End Time
Start SCLK : 1/03687244:00:0

Target Body : GANYMEDE
Target Ra/Dec : 9.59/ 4.95 Deg
S/C to Body Center : 1093361. Km (415.09532 Rg)
Z-axis Pointing (Ra / Dec) : 120.60 / 24.00 Deg