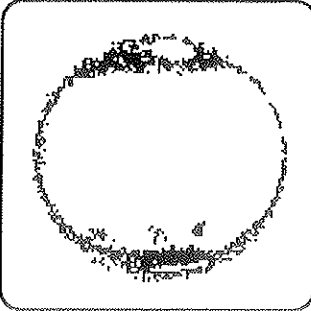
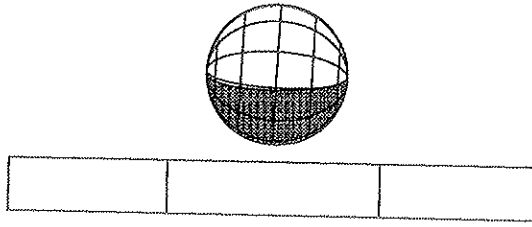


Activity ID: Orbit 17		OAPEL EUEUR20H		SeqNo 01+	
Title	Europa 20 hour map			Instrument	UVS
Requestor	UVS-AWG/W. KENT TOBISKA	Team	UVS	Working Group	SWG
Time System	CDS	Load ID	17A	Calendar Date	09/25/98
				Week	39
Start	EEE-CDS 00001248:00:0		98-268/06:52:48.733		EEE-000/21:01:52.000
End	EEE-CDS 00001234:00:0		98-268/07:06:58.067		EEE-000/20:47:42.666
Duration	00000014:00:0		000/00:14:09.334		000/00:14:09.334
Top Label	17EUEUR20H01+				
Bottom Label	NIMS ridealong				
Plot Key	UVS	Type	ENG		
CDS Bytes	38	Report Options	BOTH	Scan Platform	No
CDS Source	OAP	Spin State	ALL	DMS	No
<b>Observation Objective</b>					
	17EUEUR20H01: Ride-along with the NIMS 17ENEUR20H01 observation to observe Europa in the 1600Å to 3200Å wavelength regions at phase angles not obtainable from the Earth. Data will supplement and complement the NIMS surface property measurements. Longitudes 71-152 light, 153-229 dark.				
	Rj = 17.5, sunlight UVS configuration: full F/F scans.				
	MBTG = ((1008 bps) * (546 sec)) * 0.333 (compression) = 0.183				
CDS RIM	COMMAND PARAMETERS		<b>Design Detail</b>		
0	000	COMMENT UVS RIM 0		(384CK)	
38	003	CMDRS		(157CK)	
	004	1	34UVS,07,S,N,N,N,S,0,	ON,OFF,OFF,	ON,OFF,NOOVR,1,00,9C,00,00
	014	11	34UVS,C1,F,N,N,N,S,0,	OFF,OFF,	ON,OFF,OFF,NOOVR,1,2C,05,00,00

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17eneur20h01

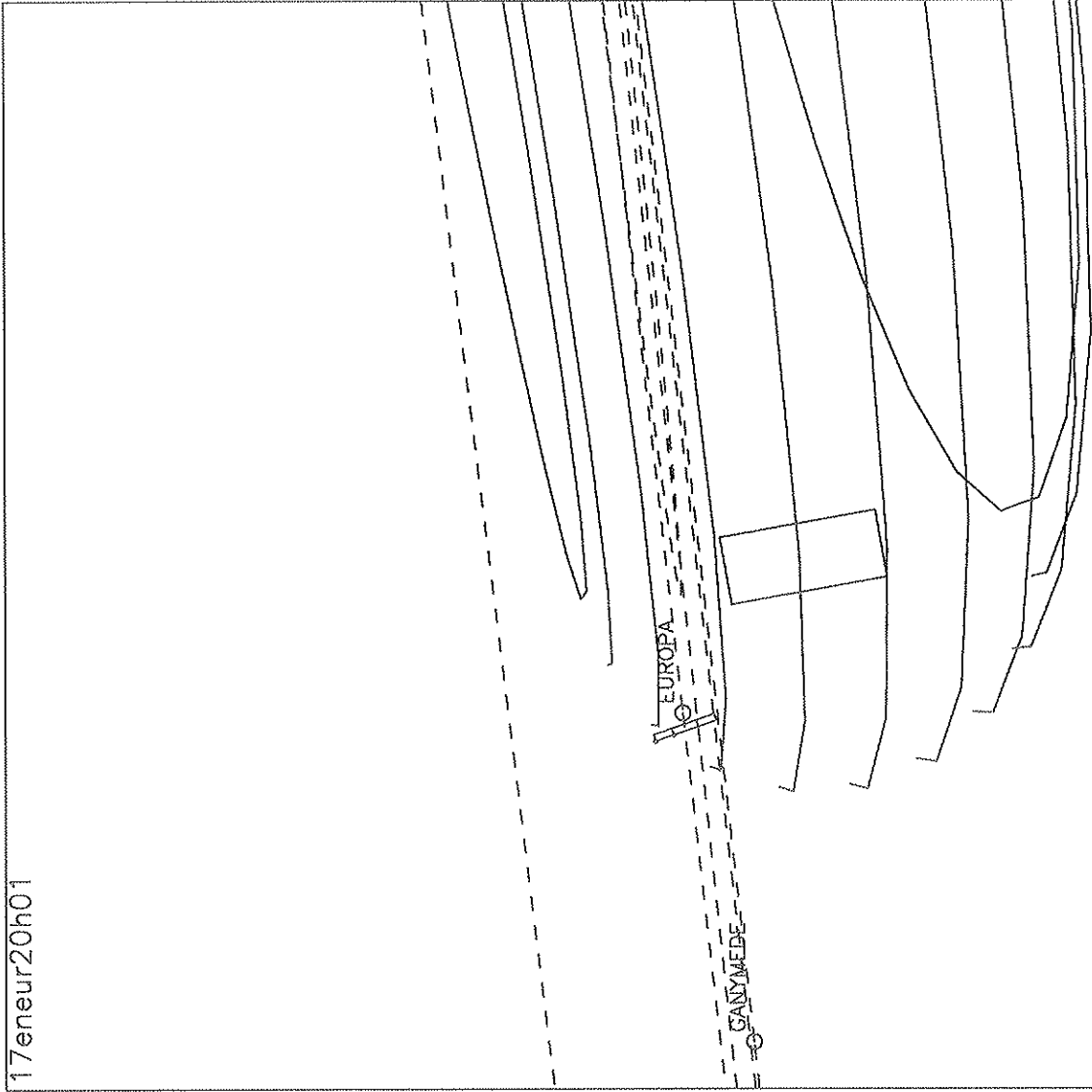


Start UTC\_TIME : 1998-268 // 06:52:44.000  
No End Time :  
Start SCLK : 1/04665458:01:4:0

Target Body : EUROPA  
Target Ro/Dec : 276.42 / -24.45 Deg  
S/C to Body Center : 674172.0 Km ( 430.78080 Re )  
Z-axis Pointing ( Ro / Dec ) : 170.31 / 5.82 Deg

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17eneur20h01



Start UTC\_TIME : 1998-268 // 06:52:44.000

No End Time :

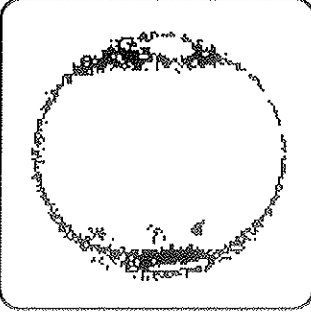
Start SCLK : 1/04665458:01:4:0

Target Body : JUPITER

Target Ra/Dec : 253.10 / -24.15 Deg

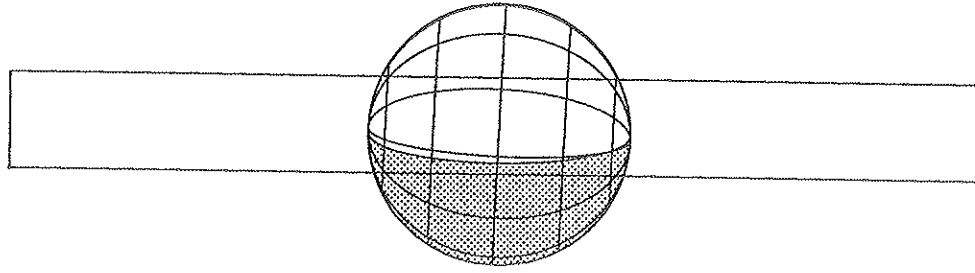
S/C to Body Center : 1259661. Km ( 17.619601 Rj )

Z-axis Pointing ( Ra / Dec ) : 170.31 / 5.82 Deg

Activity ID: Orbit 17		OAPEL EUATMOS_		SeqNo 01-	
Title	UVS Europa Atmosphere Observation			Instrument	UVS
Requestor	UVS-SWG/W. SWEET X30523	Team	UVS	Working Group	SWG
Time System	CDS	Load ID	Calendar Date	09/25/98	Week 39
Start	JEE-CDS 00001503:00:0		98-268/07:06:58.000	JEE-001/01:19:42.000	
End	JEE-CDS 00001293:00:0		98-268/10:39:18.000	JEE-000/21:47:22.000	
Duration	00000210:00:0		000/03:32:20.000	000/03:32:20.000	
Top Label	17EUATMOS01-				
Bottom Label	real-time				
Plot Key	UVS	Type	SCI		
CDS Bytes	312	Report Options	BOTH	Scan Platform	Yes
CDS Source	OAP	Spin State	DUAL	DMS	No
<b>Observation Objective</b>					
		<p>17EUATMOS_01: Europa atmosphere observation. We will look for Europa atmospheric emissions (oxygen, hydrogen and sulfur, as well as other possibilities). We will also monitor the tenuous atmosphere for possible outgassing episodes. Observe Europa's atmosphere for ~3 1/2 hours. Sunlight, 140' longitude.</p> <p>For first 1 1/2 hours, observe Europa's bright surface (16-step).                  Second 1 1/2 hours observe Europa's dark surface (16-step).                  Third half hour, observe -1 radii off darkside.</p> <p>Rj = 17.4 - 16.1 &lt;-- greater than 15 Rj, no need for PWS quiet                  UVS configuration: 1216-1302A 16 step G/G mini-scan                  MBTG = 17712 bits/flush * 3 flushes = 0.053</p>			
<b>Design Detail</b>					
CDS	RIM	COMMAND	PARAMETERS		
0	000	COMMENT	UVS RIM 0	(384CA)	
28	003	+UVFLUSH	DISCRD, UVS	(349CA)	
38	003	CMDRS		(157CA)	
	004	1	34UVS, D1, F, N, N, N, S, 0, OFF, OFF,	ON, ON, OFF, NOOVR, 1, 5A, 45, 00, 39	
	210	207	34UVS, C1, F, N, N, N, S, 0, OFF, OFF,	ON, OFF, OFF, NOOVR, 1, 2C, 05, 00, 00	
54	004	TARGET	with TMC on body (brightside)	(165CA) (RA/Dec=276.59/-24.43)	
28	091	+UVFLUSH	PACKET, UVS	(349CB) (1)	
54	093	TARGET	with TMC on body (darkside)	(165CH) (RA/Dec=277.73/-24.31)	
28	180	+UVFLUSH	PACKET, UVS	(349CC) (2)	
54	182	TARGET	with TMC -1 radii off body	(165CB) (RA/Dec=278.77/-24.19)	
28	209	+UVFLUSH	PACKET, UVS	(349CD) (3)	

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17euctmos\_01 start



*Handwritten notes:*  
C...  
T...  
A...

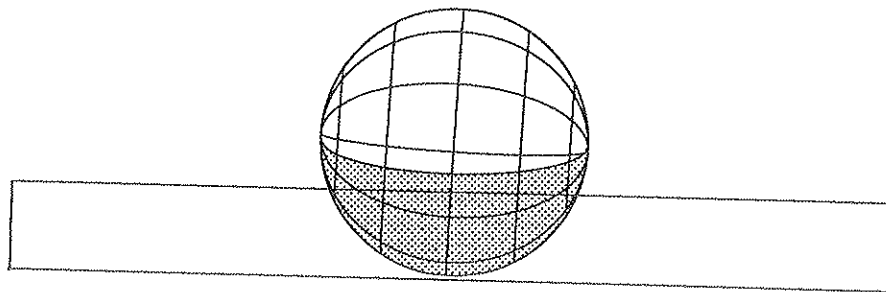
Start UTC\_TIME : 1998-268 // 07:06:53.400  
No End Time :  
Start SCLK : 1/04665472:01:5:0

Target Body : EUROPA  
Target Ra/Dec : 276.50/-24.43 Deg  
S/C to Body Center : 662410.4 Km ( 423.26543 Re )  
Z-axis Pointing ( Ra / Dec ) : 170.31 / 5.82 Deg

6

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17eutmos\_01 dark side target

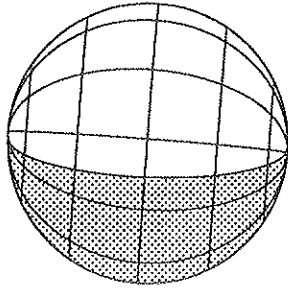
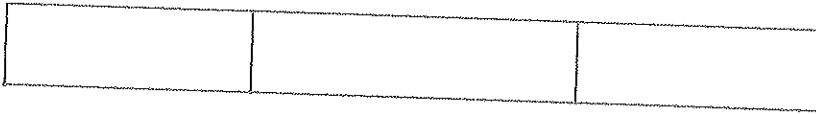


Start UTC\_TIME : 1998--268 // 08:39:54.700  
No End Time :  
Start SCLK : 1/04665564:01:4:5

Target Body : EUROPA  
Target Ra/Dec : 277.62 / -24.32 Deg  
S/C to Body Center : 587647.8 Km ( 375.49361 Re )  
Z-axis Pointing ( Ra / Dec ) : 170.31 / 5.82 Deg

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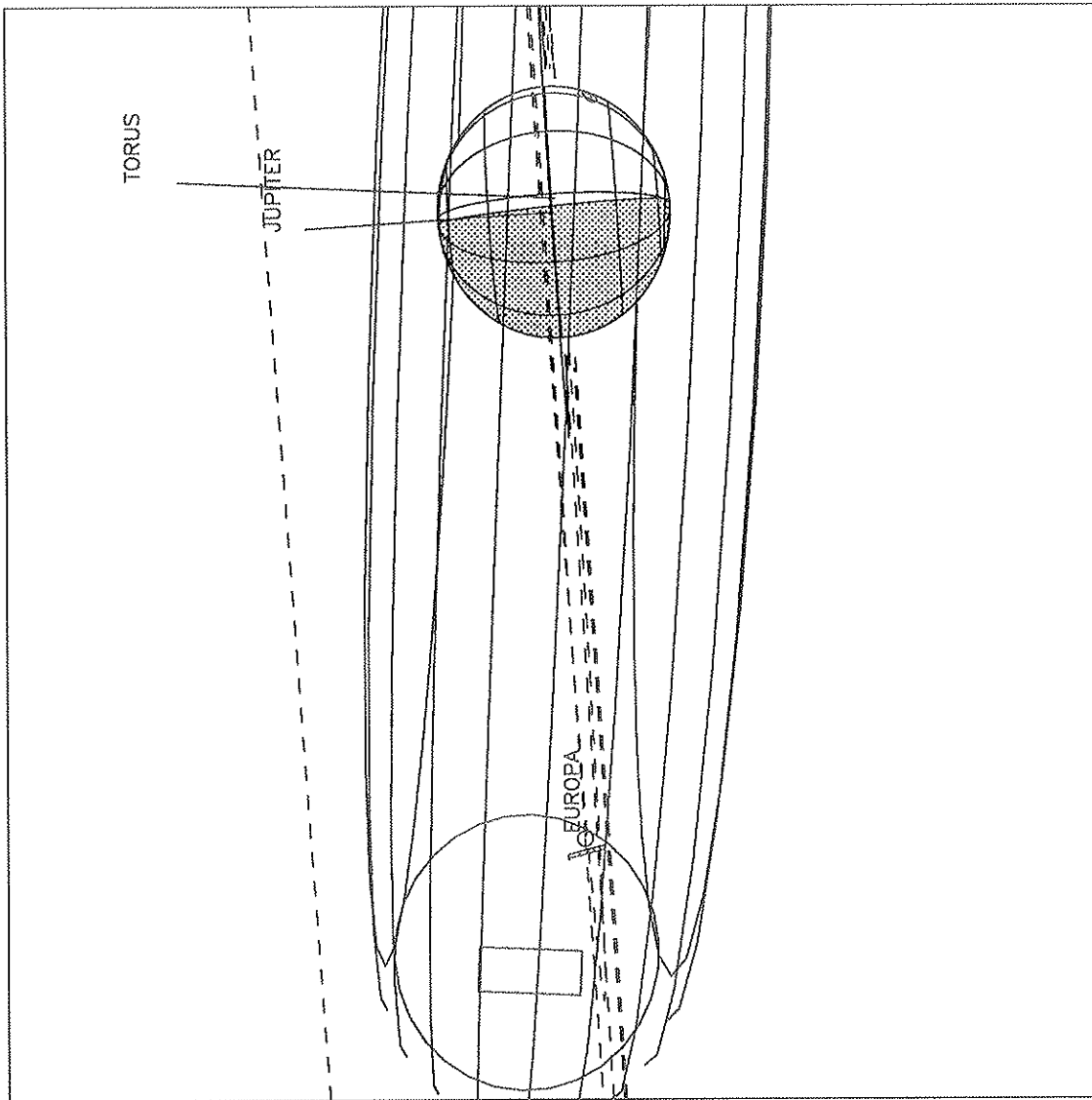
17euatmos\_01 - part 3



Start UTC\_TIME : 1998-268 // 10:09:54.700  
No End Time :  
Start SCLK : 1/04666653:02:4:5

Target Body : EUROPA  
Target Ra/Dec : 278.39 / -24.20 Deg  
S/C to Body Center : 519614.7 Km ( 332.02220 Re )  
Z-axis Pointing ( Ra / Dec ) : 170.31 / 5.82 Deg

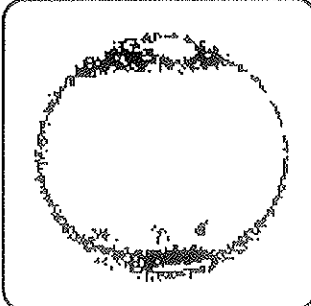
Mon Aug 17 19:17:43 1998



Start UTC\_TIME : 1998-268 // 10:09:54.700  
No End Time :  
Start SCLK : 1/04665653:02:4:5

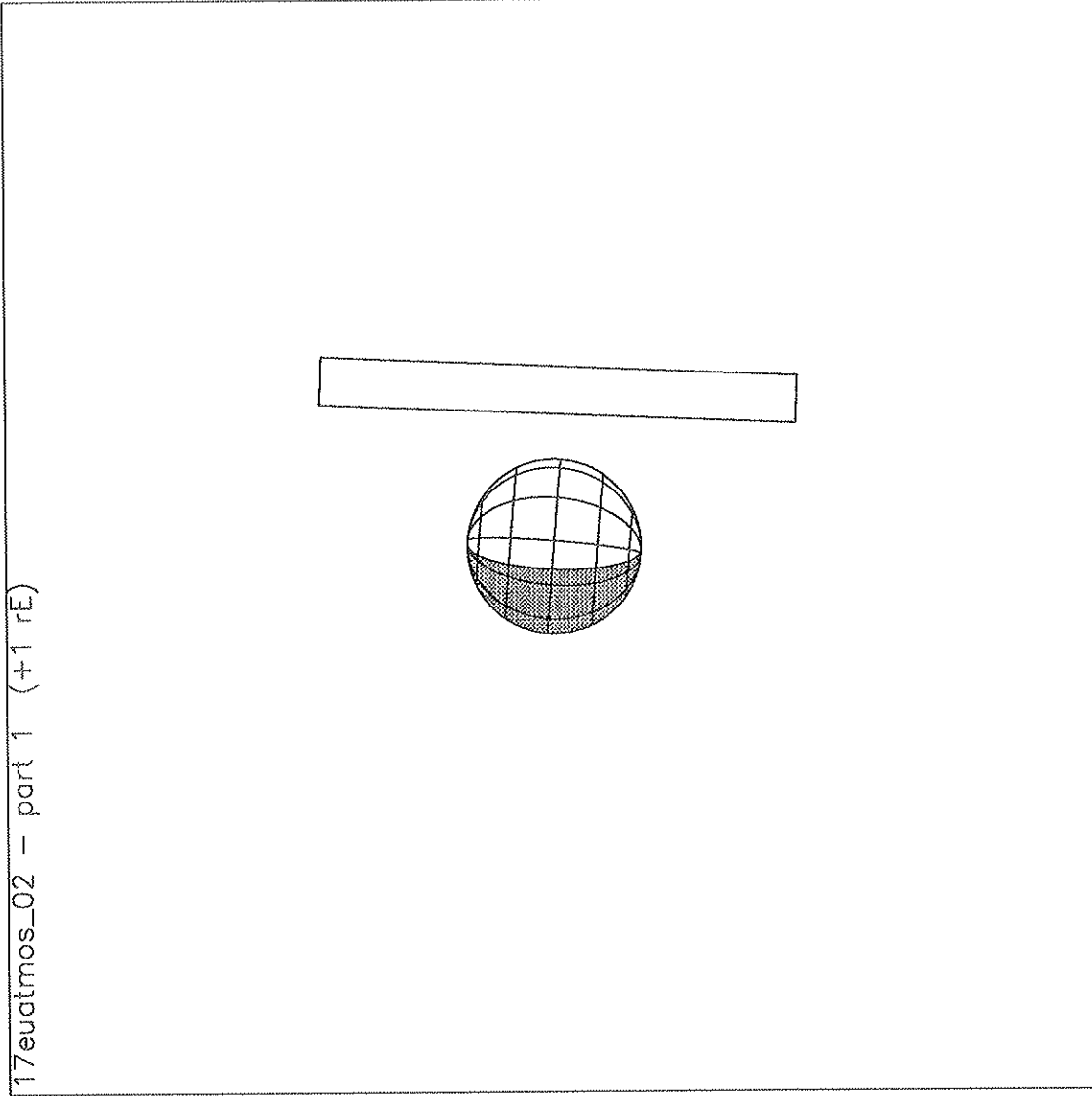
Target Body : JUPTER  
Target Ra/Dec : 259.37/-24.61 Deg  
S/C to Body Center : 1154195. Km ( 16.144394 Rj )  
Z-axis Pointing ( Ra / Dec ) : 170.31 / 5.82 Deg



Activity ID: Orbit 17		GAPEL EUATMOS_		SeqNo 02-	
Title	UVS Europa Atmosphere Observation			Instrument	UVS
Requestor	UVS-SWG/W. SWEET X30523	Team	UVS	Working Group	SWG
Time System	CDS	Load ID	17A	Calendar Date	09/25/98 Week 39
Start	JEE-CDS 00001280:00:0		98-268/10:52:26.667		JEE-000/21:34:13.333
End	JEE-CDS 00001220:00:0		98-268/11:53:06.667		JEE-000/20:33:33.333
Duration	00000060:00:0		000/01:00:40.000		000/01:00:40.000
Top Label	17EUATMOS02-				
Bottom Label	real-time				
Plot Key	UVS	Type	SCI		
CDS Bytes	230	Report Options	BOTH	Scan Platform	Yes
CDS Source	OAP	Spin State	DUAL	DMS	No
<b>Observation Objective</b>					
 <p>17EUATMOS_02: Europa atmosphere observation. We will look for Europa atmospheric emissions (oxygen, hydrogen and sulfur, as well as other possibilities). We will also monitor the tenuous atmosphere for possible outgassing episodes. Observe Europa's atmosphere for 1 hour. Sunlight, 140' longitude.</p> <p>1 1/2 hours observe with 16-step:</p> <p style="text-align: right;">+1 Europa radii for 30 rims +2 Europa radii for 30 rims</p> <p>Rj = 17.4 - 16.1 &lt;-- greater than 15 Rj, no need for PWS quiet UVS configuration: 1216-1302Å 16 step G/G mini-scan MBTG = 17712 bits/flush * 2 flushes = 0.035</p>					
CDS RIM COMMAND PARAMETERS			<b>Design Detail</b>		
0	000	COMMENT UVS RIM 0		(384CL)	
28	002	+UVFLUSH DISCRD, UVS		(349CM)	
38	002	CMDRS		(157CL)	
	003	1 34UVS, D1, F, N, N, N, S, 0, OFF, OFF.	ON,	ON, OFF, NOOVR, 1, 5A, 45, 00, 39	
	060	58 34UVS, C1, F, N, N, N, S, 0, OFF, OFF.	ON, OFF, OFF, NOOVR, 1, 2C, 05, 00, 00		
54	003	TARGET with TMC 1 radii off body		(165CC) (RA/Dec=278.32/-24.16)	
28	030	+UVPLUSH PACKET, UVS		(349CE) (4)	
54	032	TARGET with TMC 2 radii off body		(165CD) (RA/Dec=278.24/-24.13)	
28	059	+UVPLUSH PACKET, UVS		(349CF) (5)	

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17euatmos\_02 - part 1 (+1 rE)

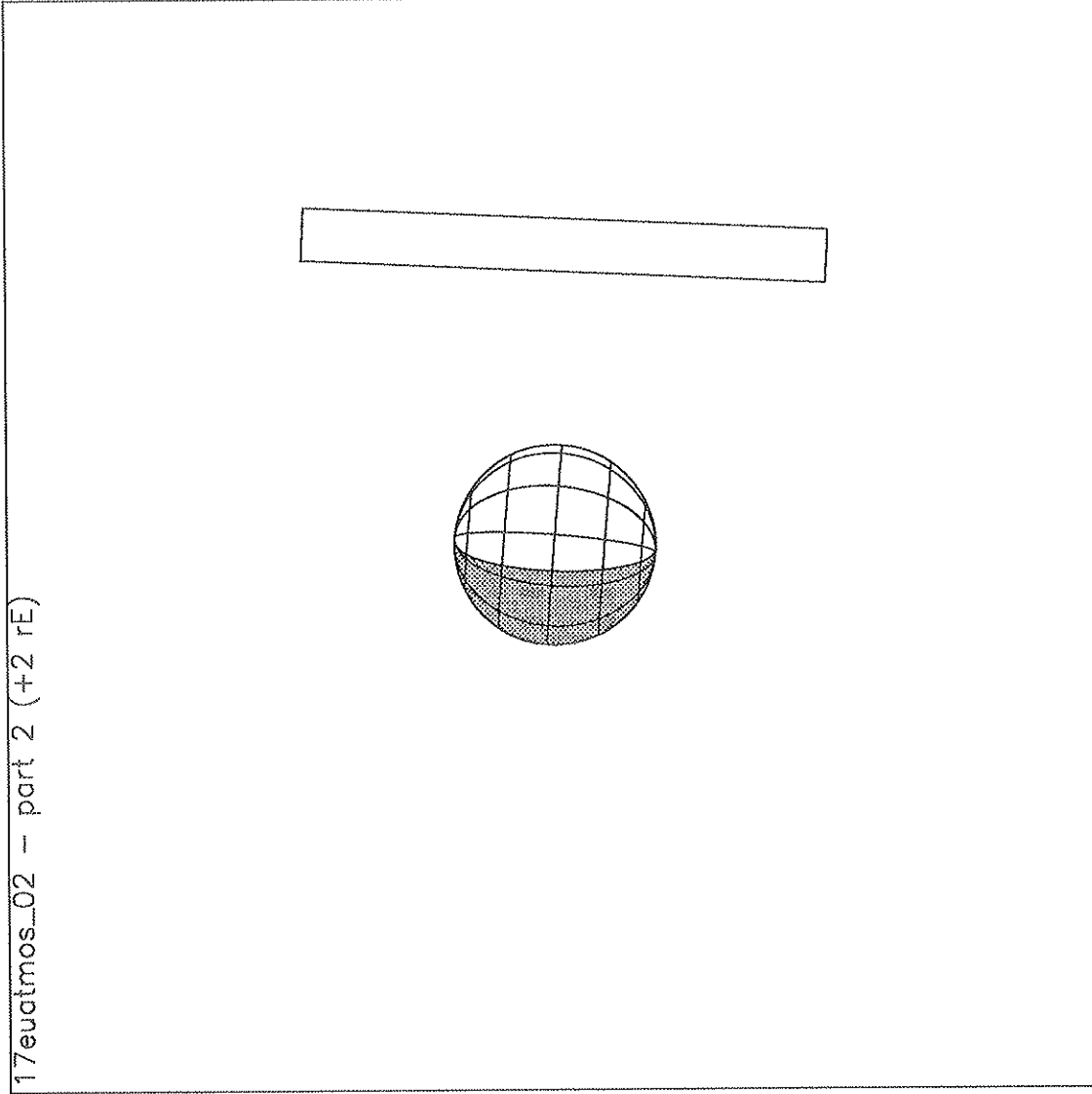


Start UTC\_TIME : 1998-268 // 10:52:22.700  
No End Time :  
Start SCLK : 1/04665695:02:4:5

Target Body : EUROPA  
Target Ra/Dec : 278.68/-24.15 Deg  
S/C to Body Center : 489025.2 Km ( 312.47615 Re )  
Z-axis Pointing ( Ra / Dec ) : 170.31 / 5.82 Deg

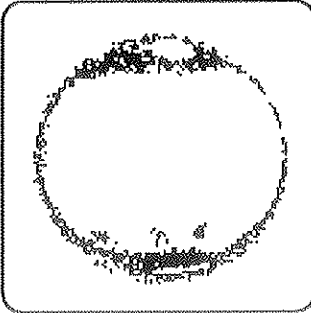
Mon Aug 17 19:26:00 1998

17euatmos\_02 - part 2 (+2 rE)



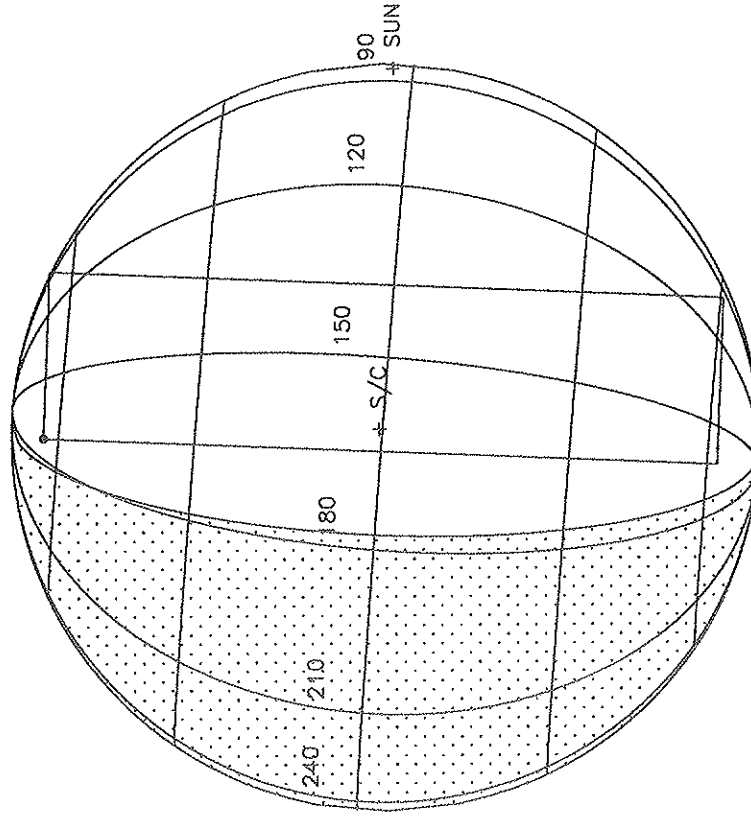
Start UTC\_TIME : 1998-268 // 11:23:42.700  
No End Time :  
Start SCLK : 1/04665726:01:4:5

Target Body : EUROPA  
Target Ro/Dec : 278.86/-24.11 Deg  
S/C to Body Center : 467085.9 Km ( 298.45744 Re )  
Z-axis Pointing ( Ro / Dec ) : 170.31 / 5.82 Deg

Activity ID: Orbit 17		OAPEL EUSURFAC		SeqNo 01-	
Title	UVS Europa Surface Observation 1			Instrument	UVS
Requestor	UVS-SWG/W. SWEET X30523	Team	UVS	Working Group	SWG
Time System	CDS	Load ID	17A	Calendar Date	09/25/98 Week 39
Start	JEE-CDS 00001156:00:0		98-268/12:57:49.334		JEE-000/19:28:50.666
End	JEE-CDS 00001097:00:0		98-268/13:57:28.667		JEE-000/18:29:11.333
Duration	00000059:00:0		000/00:59:39.333		000/00:59:39.333
Top Label	17EUSURFAC01-				
Bottom Label	real-time				
Plot Key	UVS	Type	SCI		
CDS Bytes	148	Report Options	BOTH	Scan Platform	Yes
CDS Source	OAP	Spin State	DUAL	DMS	No
<b>Observation Objective</b>					
	<p>17EUSURFAC01: We will observe Europa's surface at various longitudes and phase angles with TMC on to get good signal using F/F full scans. These observations will complement the nominal mission observations to derive phase curves for several locations on Europa, to understand how exogenic processes affect the surface scattering. We are interested in obtaining a high signal-to-noise at the shorter wavelengths (&lt; 2200 Å) to see if Europa's surface has any distinctive features in this region. Observe Europa's surface at ~1 hour. Sunlight, 160° longitude, 75° phase.</p>				
	<p>Rj = 14.7 UVS configuration: full F/F scans</p>				
	<p>MBTG = 17712 bits/flush * 1 flush = 0.018</p>				
CDS RIM COMMAND PARAMETERS			<b>Design Detail</b>		
0	000	COMMENT UVS RIM 0		(384CB)	
28	002	+UVFLUSH DISCRD,UVS		(349CG)	
38	002	CMDRS		(157CB)	
	003	1 34UVS,07,S,N,N,N,S,0, ON, OFF,OFF, ON,OFF,NOOVR,1,00,9C,00,00			
	059	57 34UVS,C1,F,N,N,N,S,0,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00			
54	003	TARGET with TMC on body		(165CE) (RA/Dec=279.18/-23.99)	
28	058	+UVFLUSH PACKET,UVS		(349CH)	

Mon Aug 17 19:28:30 1998

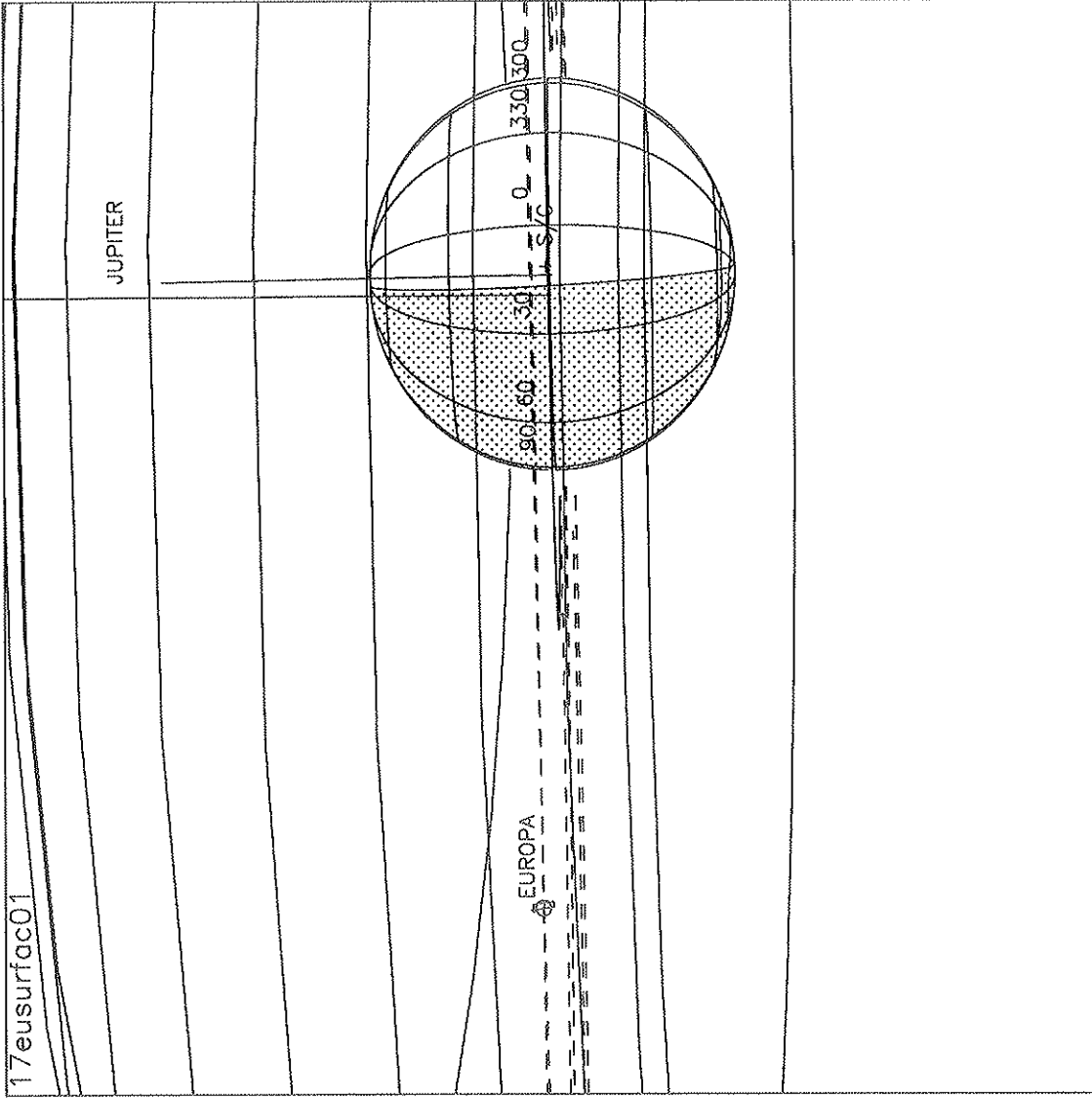
17eusurfac01



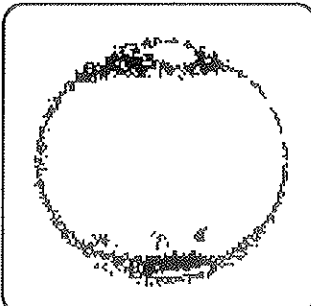
Target Body : EUROPA  
Target Ra/Dec : 279.22 / -24.00 Deg  
S/C to Body Center : 404485.5 Km ( 258.45717 Re )  
Z-axis Pointing ( Ra / Dec ) : 170.31 / 5.82 Deg

Start UTC\_TIME : 1998-268 // 12:57:44.700  
No End Time :  
Start SCLK : 1/04665819:01:4:6

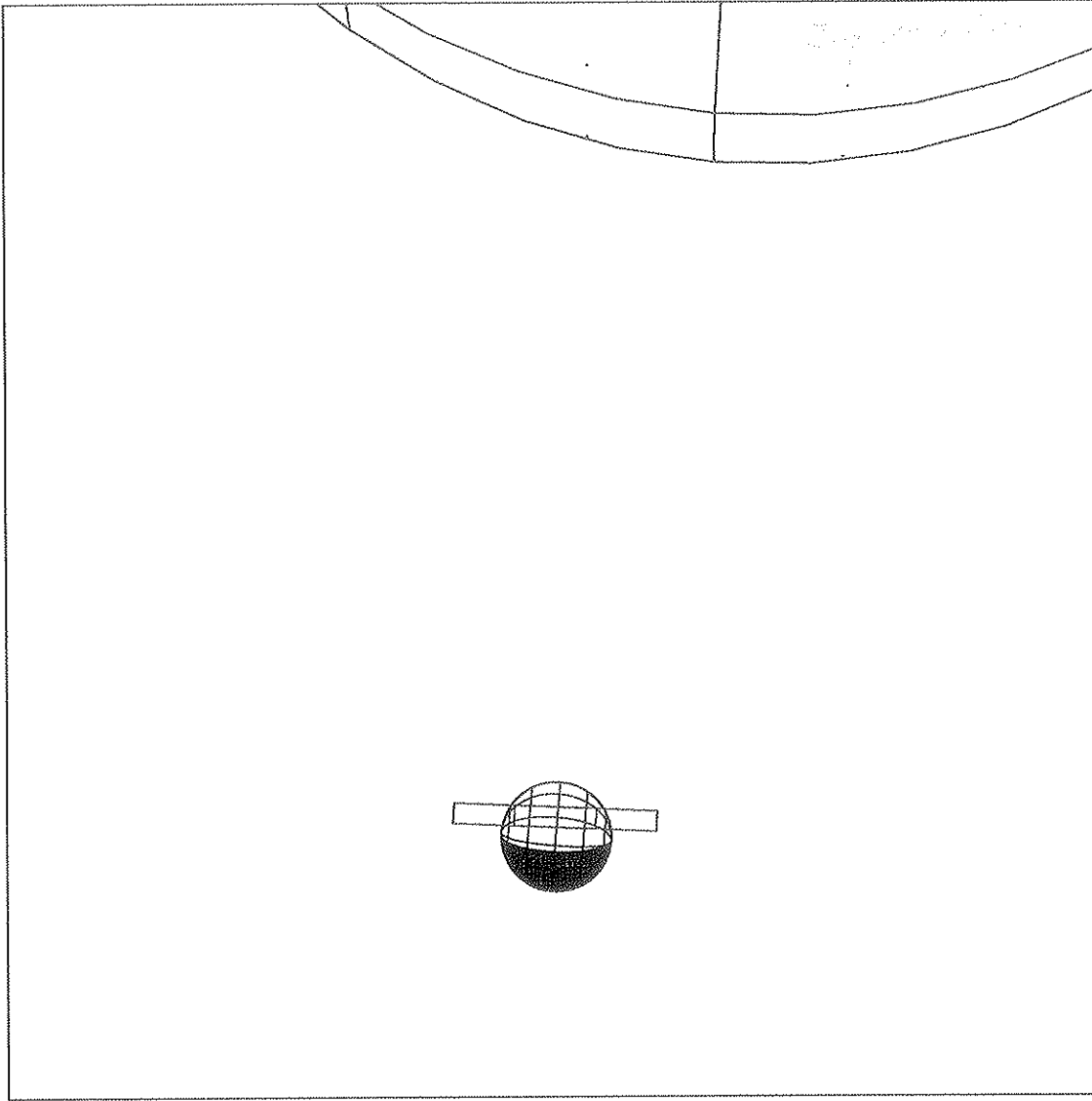
Mon Aug 17 19:30:01 1998



Start UTC\_TIME : 1998-268 // 12:57:44.700  
No End Time :  
Start\_SCLK : 1/04665819:01:4:6  
Target Body : JUPITER  
Target Ra/Dec : 265.73 / -24.81 Deg  
S/C to Body Center : 1064766. Km ( 14.893493 RJ )  
Z-axis Pointing ( Ra / Dec ) : 170.31 / 5.82 Deg

Activity ID: Orbit 17		OAPEL IUPELEPL		SeqNo MI-	
Title	UVS Io Pele Observation			Instrument	UVS
Requestor	UVS-SWG/W. SWEET X30523	Team	UVS	Working Group	SWG
Time System	CDS	Load ID	Calendar Date	09/25/98	Week 39
Start	IEE+CDS 00000479:00:0	98-268/18:13:17.399	IEE+000/08:04:19.333		
End	IEE+CDS 00000571:00:0	98-268/19:46:18.732	IEE+000/09:37:20.666		
Duration	00000092:00:0	000/01:33:01.333	000/01:33:01.333		
Top Label	17IUPELEPLM1-				
Bottom Label	real-time				
Plot Key	UVS	Type	SCI		
CDS Bytes	148	Report Options	BOTH	Scan Platform	Yes
CDS Source	OAP	Spin State	DUAL	DMS	No
<b>Observation Objective</b>					
		<p>17IUPELEPLM1: UVS observations of Io have been very successful in identifying regions of relatively thick sulfur dioxide gas associated with volcanic plumes, both those detected by SSI and probable "stealth plumes". These thick regions have been identified by a distinctive feature in the UVS spectral range which has not previously been used by HST; our observation will greatly enhance our understanding of Io's volcanoes and atmosphere. The E17 orbit presents an excellent opportunity to observe the Pele region since the UVS will not participate in the I24 observation due to the high radiation environment during those close-up observations. Lat/lon = 0/255.</p>			
		<p>Rj = 12.3 UVS configuration: full F/F scans</p>			
		<p>MBTG = 17712 bits/flush * 1 flush = 0.018</p>			
CDS RIM COMMAND PARAMETERS		<b>Design Detail</b>			
0	000	COMMENT UVS RIM 0	(384CD)		
38	002	CMDRS	(157CD)		
	003	1 34UVS,07,S,N,N,N,S,0, ON,OFF,OFF, ON,OFF,NOOVR,1,00,9C,00,00			
	092	90 34UVS,C1,F,N,N,N,S,0,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00			
54	003	TARGET with TMC on body lat/lon=0/255 (RA/Dec = 251.20/-23.81) (165CG)			
28	002	+UVFLUSH DISCRD,UVS	(349CK)		
28	091	+UVFLUSH PACKET,UVS	(349CL)		

Sun Aug 16 18:52:46 1998



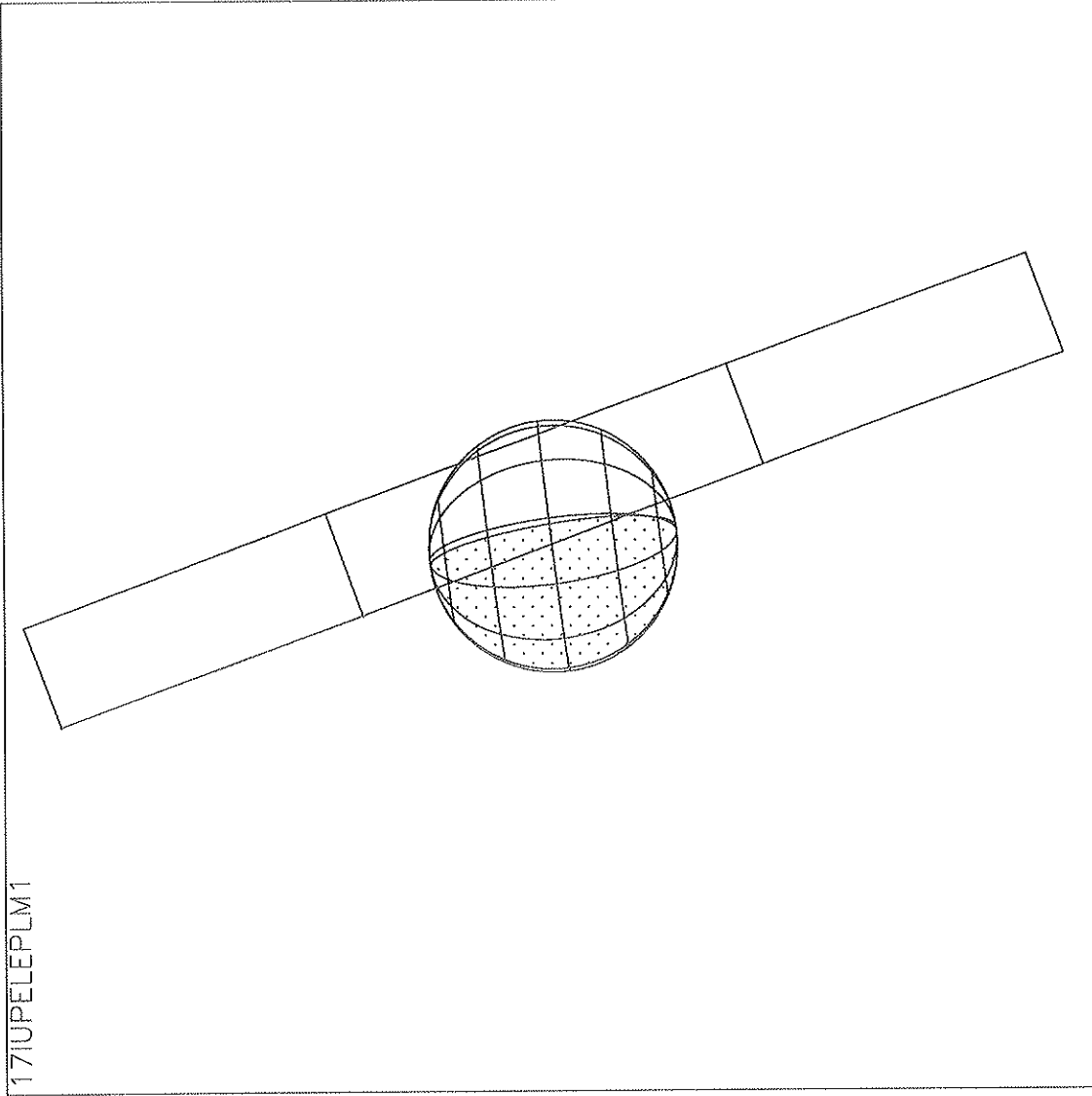
Start UTC\_TIME : 1998-268 // 15:01:10.667  
No End Time :  
Start SCLK : 1/04665941:08:4:2

Target Body : EUROPA  
Target Ra/Dec : 279.28 / -23.85 Deg  
S/C to Body Center : 329672.7 Km ( 210.65350 Re )  
Z-axis Pointing ( Ra / Dec ) : 170.31 / 5.82 Deg



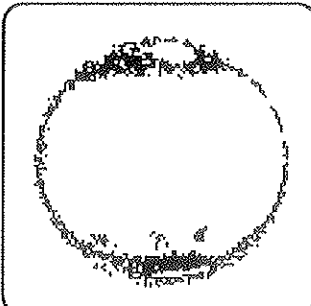
Fri Sep 11 20:13:12 1998

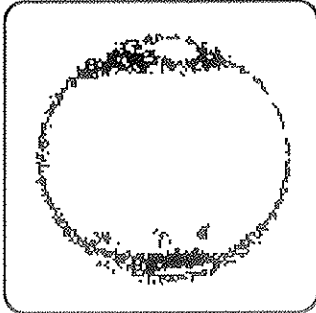
17IUPELEPLM1



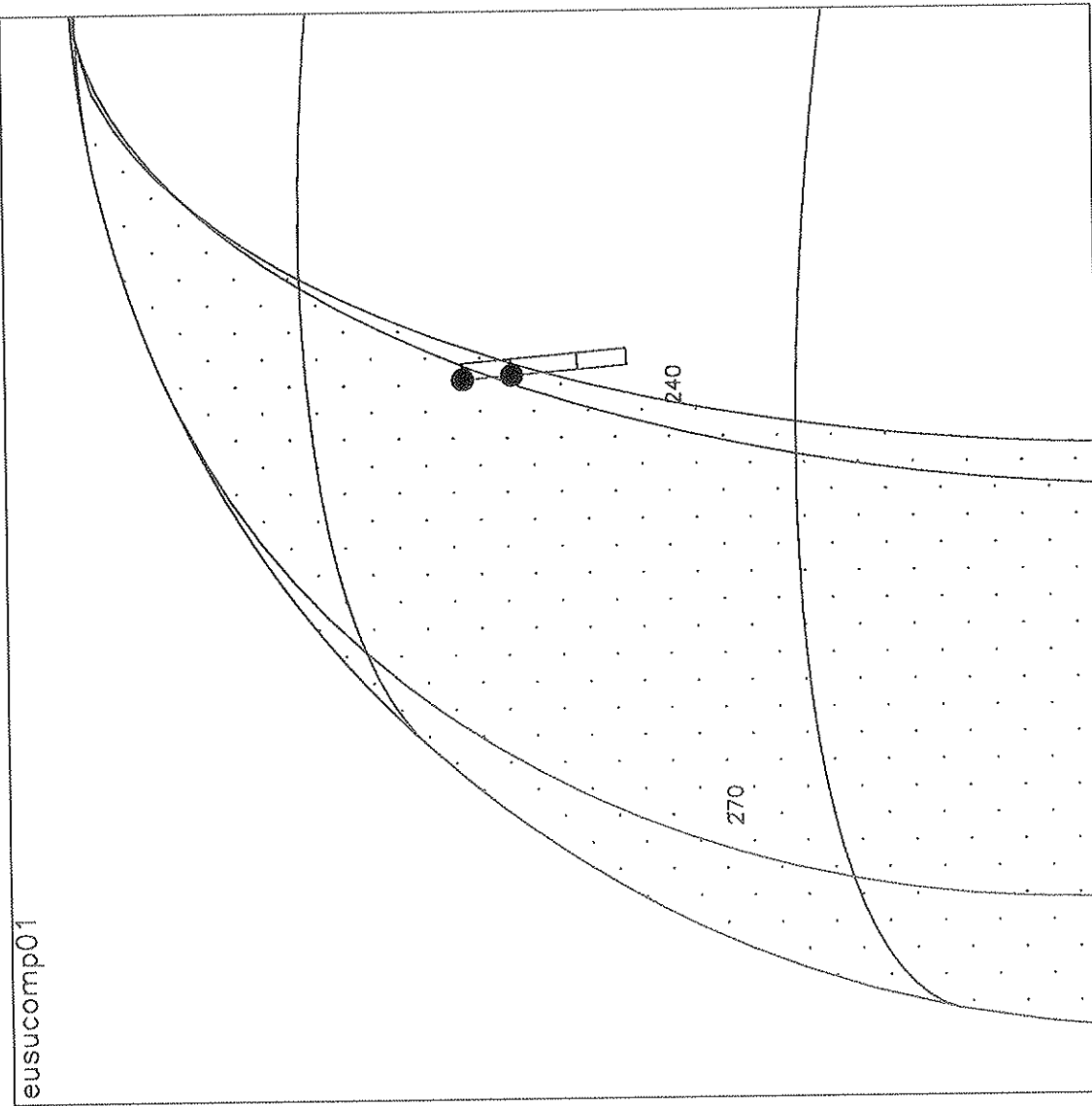
Start UTC\_TIME : 1998-268 // 18:16:13.707  
No End Time :  
Start SCLK : 1/04666134:00:00

Target Body : IO  
Target Ra/Dec : 251.25 / -23.81 Deg  
S/C to Body Center : 893486.7 Km ( 489.75621 Ri )  
Z-axis Pointing ( Ra / Dec ) : 170.31 / 5.82 Deg

Activity ID: Orbit 17		OAPEL EUGLOBAL		SeqNo 01+	
Title	UVS r/a Europa Global Observation 1			Instrument	UVS
Requestor	UVS-SWG/W. SWEET X30523	Team	UVS	Working Group	SWG
Time System	CDS	Load ID	17A	Calendar Date	09/25/98 Week 39
Start	EEE-CDS 00000300:00:0		98-268/22:51:20.733		EEE-000/05:03:20.000
End	EEE-CDS 00000251:00:0		98-268/23:40:53.400		EEE-000/04:13:47.333
Duration	00000049:00:0		000/00:49:32.667		000/00:49:32.667
Top Label	17EUGLOBAL01+				
Bottom Label	NIMS ride-along				
Plot Key	UVS	Type	SCI		
CDS Bytes	38	Report Options	BOTH	Scan Platform	Yes
CDS Source	OAP	Spin State	DUAL	DMS	Yes
<b>Observation Objective</b>					
	17EUGLOBAL01: Ride-along with the NIMS17EUGLOBAL01 observation to observe Europa in the 1600Å to 3200Å wavelength regions at phase angles not obtainable from the Earth. Data will supplement and complement the NIMS surface property measurements.				
	Rj = 10.8, sunlight UVS configuration: full F/F scans.				
	MBTG = ((1008 bps) * (2700 sec)) * 0.333 (compression) = 0.907				
	[Note: G-15 waiver for < 13 Rj.]				
CDS RIM COMMAND PARAMETERS			<b>Design Detail</b>		
0	000	COMMENT UVS RIM 0		(384CE)	
38	003	CMDRS		(157CE)	
004	1	34UVS,07,S,N,N,N,S,0, ON,OFF,OFF, ON,OFF,NOOVR,1,00,9C,00,00			
049	46	34UVS,C1,F,N,N,N,S,0,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00			

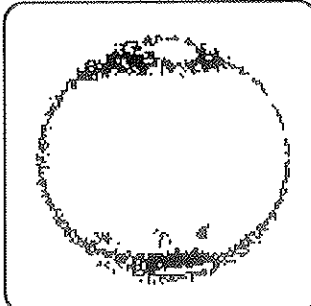
<b>Activity ID:</b> Orbit 17		<b>OAPEL</b> EUSUCOMP		<b>SeqNo</b> 01+	
<b>Title</b> UVS r/a Europa Surface Composition 1			<b>Instrument</b> UVS		
<b>Requestor</b> UVS-SWG/W. SWEET X30523		<b>Team</b> UVS		<b>Working Group</b> SWG	
<b>Time System</b> CDS		<b>Load ID</b> 17A		<b>Calendar Date</b> 09/26/98 <b>Week</b> 39	
<b>Start</b> EEE-CDS 00000035:00:0		98-269/03:19:17.400		EEE-000/00:35:23.333	
<b>End</b> EEE-CDS 00000014:00:0		98-269/03:40:31.400		EEE-000/00:14:09.333	
<b>Duration</b> 00000021:00:0		000/00:21:14.000		000/00:21:14.000	
<b>Top Label</b> 17EUSUCOMP01+					
<b>Bottom Label</b> NIMS ride-along					
<b>Plot Key</b> UVS		<b>Type</b> SCI			
<b>CDS Bytes</b> 38		<b>Report Options</b> BOTH		<b>Scan Platform</b> Yes	
<b>CDS Source</b> OAP		<b>Spin State</b> DUAL		<b>DMS</b> Yes	
<b>Observation Objective</b>					
		17EUSUCOMP01: Ride-along with the NIMS 17EUSUCOMP01 observation to observe Europa in the 1600Å to 3200Å wavelength regions at phase angles not obtainable from the Earth. Data will supplement and complement the NIMS surface property measurements.			
		Rj = 9.6, sunlight UVS configuration: full F/F scans.			
		MBTG = ((1008 bps) * (1153 sec)) * 0.333 (compression) = 0.387 [Note: G-15 waiver for < 13 Rj.]			
<b>Design Detail</b>					
CDS RIM COMMAND PARAMETERS ----- 0 000 COMMENT UVS RIM 0 (384CF) 38 000 CMDRS (157CF) 001 1 34UVS,07,S,N,N,N,S,0, ON,OFF,OFF, ON,OFF,NOOVR,1,00,9C,00,00 021 21 34UVS,C1,P,N,N,N,S,0,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00					

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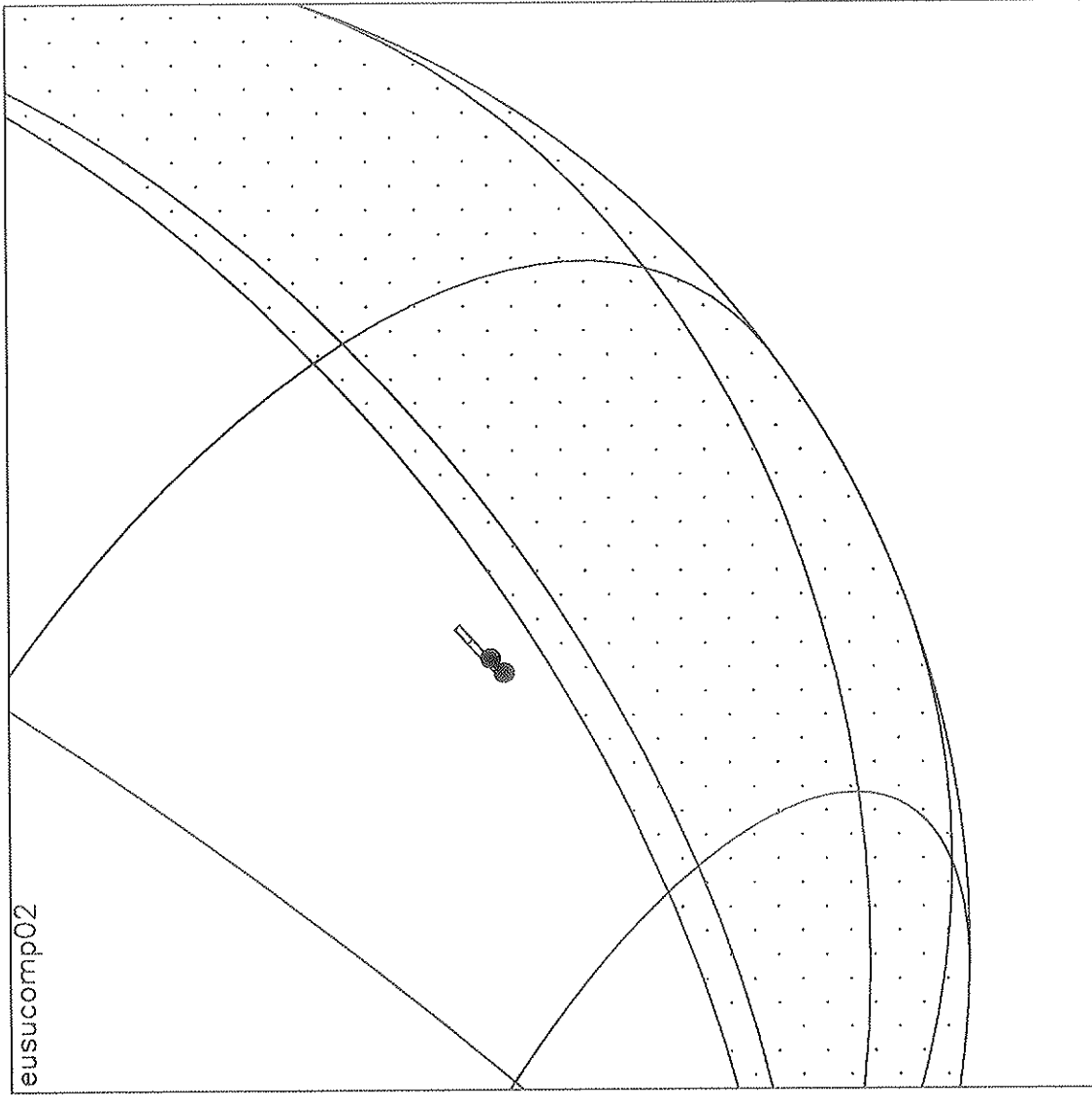


Start UTC\_TIME : 1998-269 // 03:19:17.400  
No End Time :  
Start SCLK : 1/04666671:08:5:5

Target Body : EUROPA  
Target Ro/Dec : 288.78 / -7.96 Deg  
S/C to Body Center : 13595.93 Km ( 8.6874982 Re )  
Z-axis Pointing ( Ro / Dec ) : 170.31 / 5.82 Deg

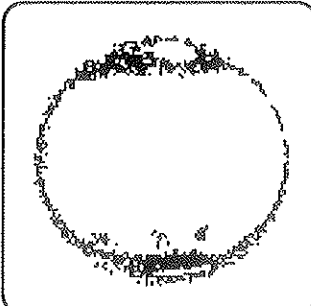
Activity ID: Orbit 17		OAPEL EUSUCOMP		SeqNo 02+	
Title	UVS r/a Europa Surface Composition 2			Instrument	UVS
Requestor	UVS-SWG/W. SWEET X30523	Team	UVS	Working Group	SWG
Time System	CDS	Load ID	17A	Calendar Date	09/26/98
				Week	39
Start	EEE+CDS 00000001:00:0		98-269/03:55:41.399		EEE+000/00:01:00.666
End	EEE+CDS 00000020:00:0		98-269/04:14:54.066		EEE+000/00:20:13.333
Duration	00000019:00:0		000/00:19:12.667		000/00:19:12.667
Top Label	17EUSUCOMP02+				
Bottom Label	NIMS ride-along				
Plot Key	UVS	Type	SCI		
CDS Bytes	38	Report Options	BOTH	Scan Platform	Yes
CDS Source	OAP	Spin State	DUAL	DMS	Yes
<b>Observation Objective</b>					
 <p>17EUSUCOMP02: Ride-along with the NIMS 17EUSUCOMP02 observation to observe Europa in the 1600Å to 3200Å wavelength regions at phase angles not obtainable from the Earth. Data will supplement and complement the NIMS surface property measurements.</p> <p>Rj = 9.4, sunlight UVS configuration: full F/F scans.</p> <p>MBTG = ((1008 bps) * (1031 sec)) * 0.333 (compression) = 0.347</p> <p>[Note: G-15 waiver for &lt; 13 Rj.]</p>					
CDS RIM COMMAND PARAMETERS			<b>Design Detail</b>		
0	000	COMMENT UVS RIM 0		(384CG)	
38	000	CMDRS		(157CG)	
	001	1 34UVS,07,S,N,N,N,S,0, ON,OFF,OFF, ON,OFF,NOOVR,1,00,9C,00,00			
	018	18 34UVS,C1,F,N,N,N,S,0,OFF,OFF, ON,OFF,OFF,NOOVR,1,2C,05,00,00			

Mon Aug 17 21:03:41 1998

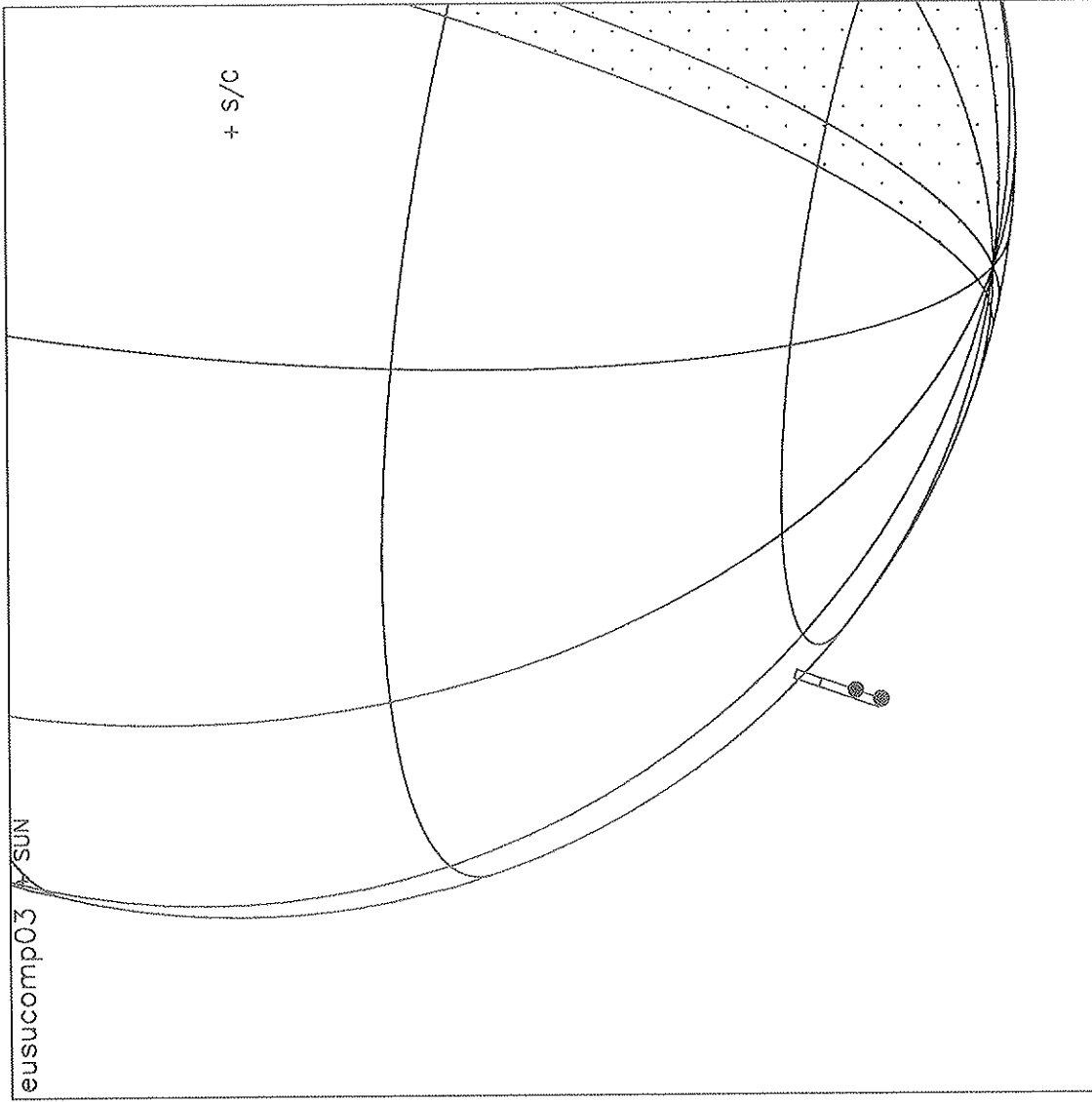


Start UTC\_TIME : 1998-269 // 04:02:46.066  
No End Time :  
Start SCLK : 1/04666714:08:5:6

Target Body : EUROPA  
Target Ra/Dec : 23.54/ 49.60 Deg  
S/C to Body Center : 5970.467 Km ( 3.8149947 Re )  
Z-axis Pointing ( Ra / Dec ) : 170.31 / 5.82 Deg

Activity ID: Orbit 17		OAPEL EUSUCOMP		SeqNo 03+	
Title	UVS r/a Europa Surface Composition 3			Instrument	UVS
Requestor	UVS-SWG/W. SWEET X30523	Team	UVS	Working Group	SWG
Time System	CDS	Load ID	17A	Calendar Date	09/26/98 Week 39
Start	EEE+CDS 00000024:00:0		98-269/04:18:56.733		EEE+000/00:24:16.000
End	EEE+CDS 00000047:00:0		98-269/04:42:12.066		EEE+000/00:47:31.333
Duration	00000023:00:0		000/00:23:15.333		000/00:23:15.333
Top Label	17EUSUCOMP03+				
Bottom Label	NIMS ride-along				
Plot Key	UVS	Type	SCI		
CDS Bytes	38	Report Options	BOTH	Scan Platform	Yes
CDS Source	OAP	Spin State	DUAL	DMS	Yes
<b>Observation Objective</b>					
 <p>17EUSUCOMP03: Ride-along with the NIMS 17EUSUCOMP03 observation to observe Europa in the 1600Å to 3200Å wavelength regions at phase angles not obtainable from the Earth. Data will supplement and complement the NIMS surface property measurements.</p> <p>Rj = 9.3, sunlight UVS configuration: full F/F scans.</p> <p>MBTG = ((1008 bps) * (1335 sec)) * 0.333 (compression) = 0.448 [NOTE: waiver G-14 for cone 86. G-15 waiver for &lt; 13 Rj.]</p>					
<b>Design Detail</b>					
CDS RIM	COMMAND PARAMETERS				
0	000	COMMENT	UVS RIM 0		(384CH)
38	000	CMDRS			(157CH)
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	

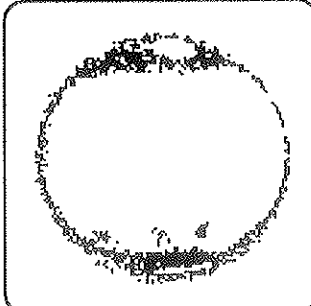
Mon Aug 17 21:05:46 1998



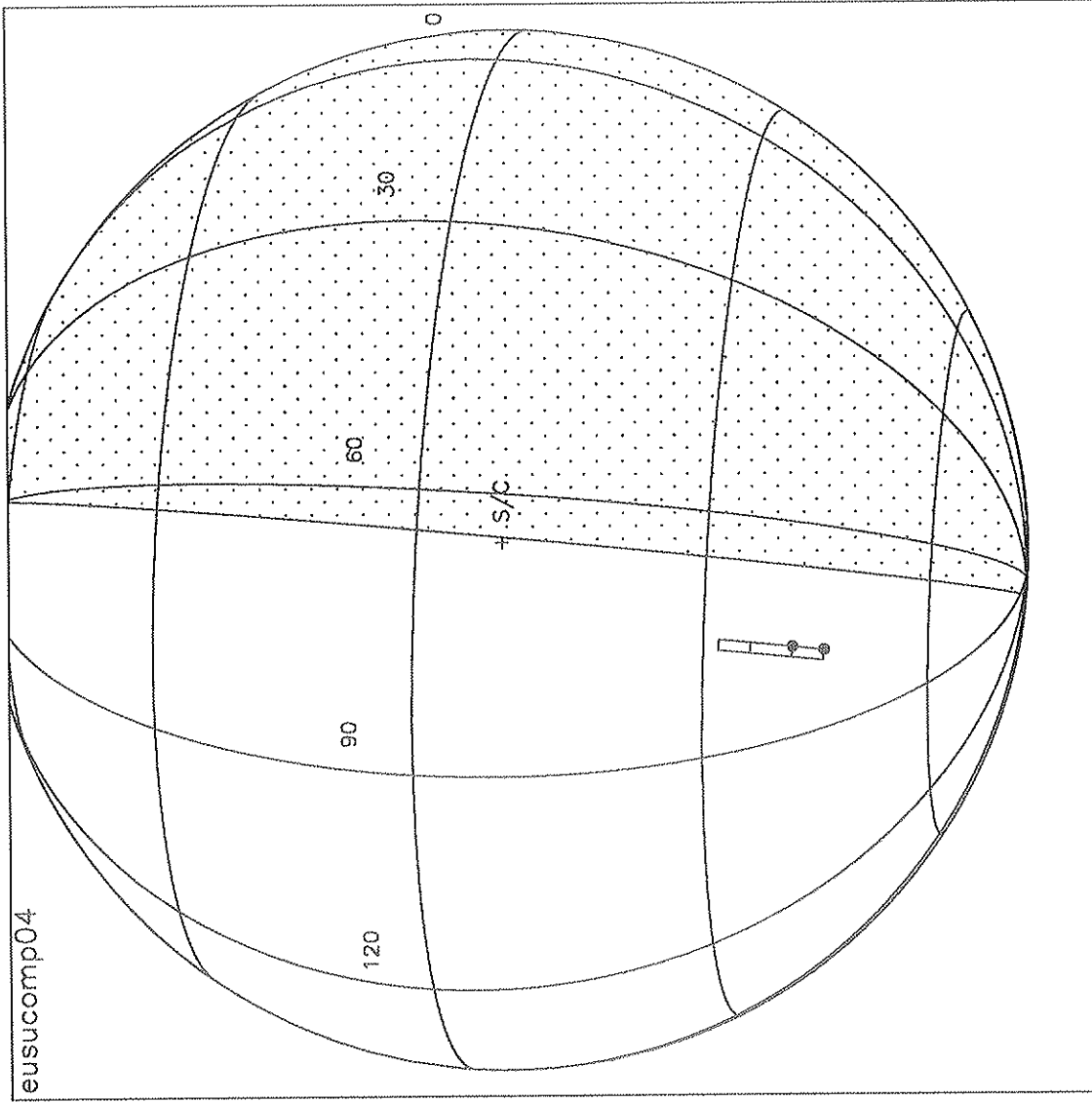
Start UTC\_TIME : 1998-269 // 04:18:56.733  
No End Time :  
Start SCLK : 1/04666730:08:5:6

Target Body : EUROPA  
Target Ra/Dec : 65.29 / 42.12 Deg  
S/C to Body Center : 10218.71 Km ( 6.5295246 Re )  
Z-axis Pointing ( Ra / Dec ) : 170.31 / 5.82 Deg

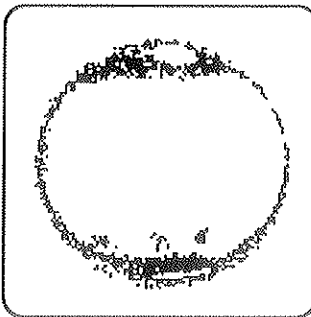


Activity ID: Orbit 17		OAPEL EUSUCOMP		SeqNo 04+	
Title	UVS r/a Europa Surface Composition 4			Instrument	UVS
Requestor	UVS-SWG/W. SWEET X30523	Team	UVS	Working Group	SWG
Time System	CDS	Load ID	17A	Calendar Date	09/26/98
				Week	39
Start	EEE+CDS 00000048:00:0		98-269/04:43:12.733		EEE+000/00:48:32.000
End	EEE+CDS 00000059:00:0		98-269/04:54:20.066		EEE+000/00:59:39.333
Duration	00000011:00:0		000/00:11:07.333		000/00:11:07.333
Top Label	17EUSUCOMP04+				
Bottom Label	NIMS ride-along				
Plot Key	UVS	Type	SCI		
CDS Bytes	38	Report Options	BOTH	Scan Platform	Yes
CDS Source	OAP	Spin State	DUAL	DMS	Yes
<b>Observation Objective</b>					
 <p>17EUSUCOMP04: Ride-along with the NIMS 17EUSUCOMP04 observation to observe Europa in the 1600Å to 3200Å wavelength regions at phase angles not obtainable from the Earth. Data will supplement and complement the NIMS surface property measurements.</p> <p>Rj = 9.2, sunlight UVS configuration: full F/F scans.</p> <p>MBTG = ((1008 bps) * (607 sec)) * 0.333 (compression) = 0.204 [NOTE: waiver G-14 for cone 82. G-15 waiver for &lt; 13 Rj.]</p>					
<b>Design Detail</b>					
CDS RIM	COMMAND PARAMETERS				
0	000	COMMENT	UVS RIM 0	(384CI)	
38	000	CMDRS		(157CI)	
	001	1	34UVS,07,S,N,N,N,S,0,	ON,OFF,OFF,	ON,OFF,NOOVR,1,00,9C,00,00
	011	11	34UVS,C1,F,N,N,N,S,0,	OFF,OFF,	ON,OFF,OFF,NOOVR,1,2C,05,00,00

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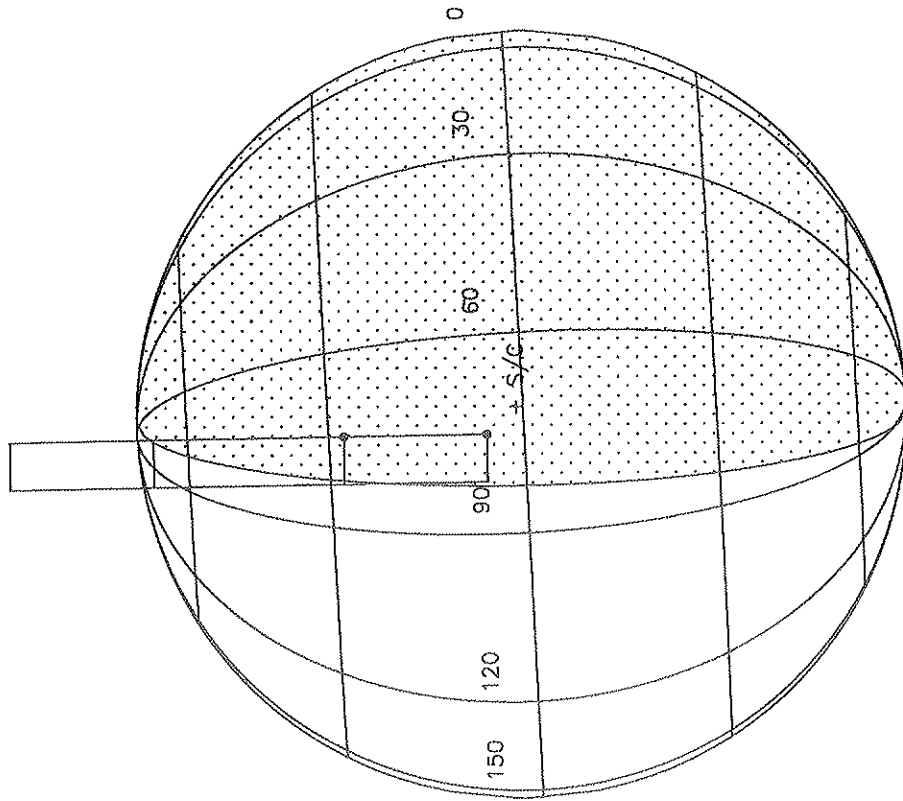


Start UTC\_TIME : 1998-269 // 04:43:12.733  
No End Time :  
Start SCLK : 1/04666754:08:5:6

Activity ID: Orbit 17	OAPEL EUGLOBAL	SeqNo 02+
Title UVS r/a Europa Global Observation 2	Instrument UVS	
Requestor UVS-SWG/W. SWEET X30523	Team UVS	Working Group SWG
Time System CDS	Load ID 17A	Calendar Date 09/26/98 Week 39
Start	EEE+CDS 00000310:00:0	98-269/09:08:07.399 EEE+000/05:13:26.666
End	EEE+CDS 00000343:00:0	98-269/09:41:29.399 EEE+000/05:46:48.666
Duration	00000033:00:0	000/00:33:22.000 000/00:33:22.000
Top Label	17EUGLOBAL02+	
Bottom Label	NIMS ride-along	
Plot Key UVS	Type SCI	
CDS Bytes 38	Report Options BOTH	Scan Platform Yes
CDS Source OAP	Spin State DUAL	DMS Yes
<b>Observation Objective</b>		
	17EUGLOBAL02: Ride-along with the NIMS 17EUGLOBAL02 observation to observe Europa in the 1600Å to 3200Å wavelength regions at phase angles not obtainable from the Earth. Data will supplement and complement the NIMS surface property measurements.	
	Rj = 8.9, sunlight UVS configuration: full F/F scans.	
	MBTG = ((1008 bps) * (1759 sec)) * 0.333 (compression) = 0.591 [NOTE: waiver G-14 for cone 73. G-15 waiver for < 13 Rj.]	
<b>Design Detail</b>		
CDS RIM COMMAND PARAMETERS		
0 000 COMMENT UVS RIM 0	(384CJ)	
38 003 CMDRS	(157CJ)	
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,95,00,00		

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euglobal02



Start UTC\_TIME : 1998-269 // 09:08:07.399  
No End Time :  
Start SCLK : 1/04667016:08:5:7  
Target Body : EUROPA  
Target Ra/Dec : 94.08 / 24.85 Deg  
S/C to Body Center : 110870.1 Km ( 70.843534 Re )  
Z-axis Pointing ( Ra / Dec ) : 170.31 / 5.82 Deg