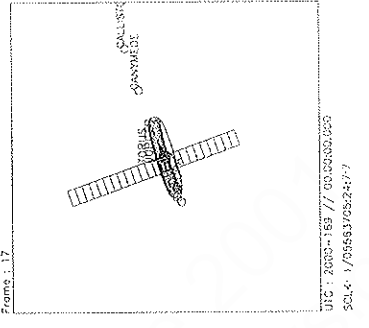
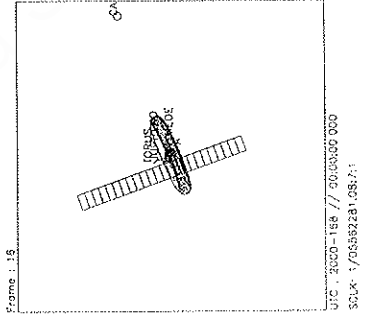
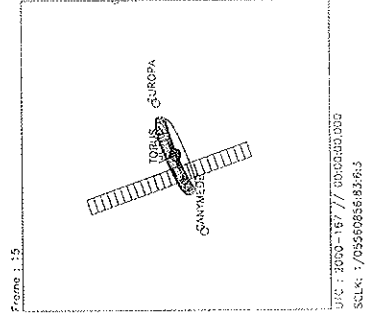
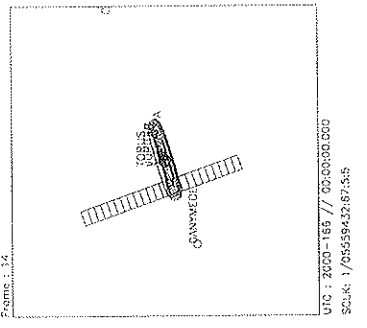
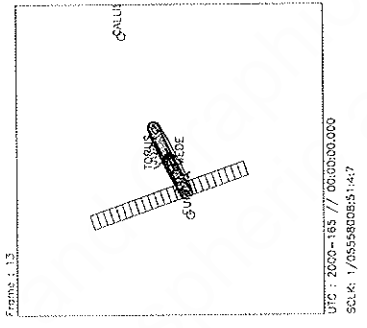
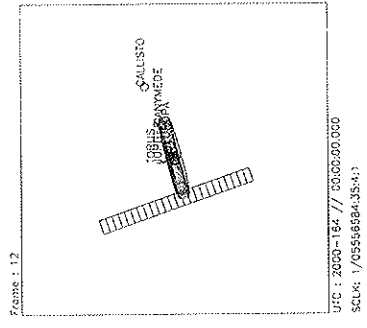
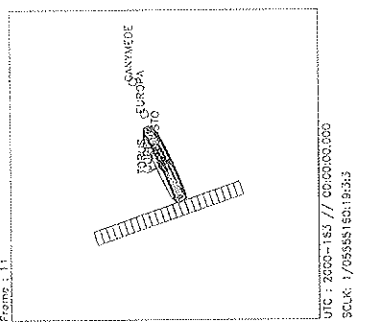
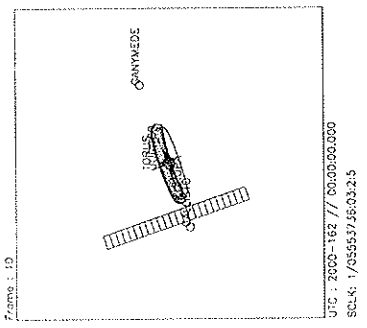
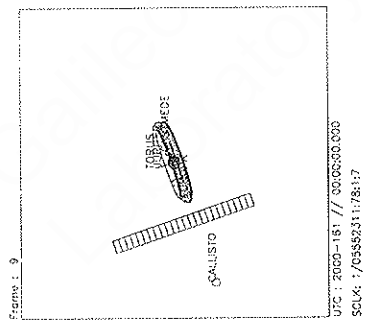


Activity ID: Orbit 28		OAPEL HVEUXCAL		SeqNo 01-	
Title	EUV/UVS cross calibration			Instrument	UVS
Requestor	UVS-AWG/W. KENT TOBISKA	Team	UVS	Working Group	AWG
Time System	UTC	Load ID	28A	Calendar Date	06/01/99
				Week	74
Start	JEE+CDS 00013952:13:0		00-152/02:00:00.000		JEE+009/19:07:10.000
End	JEE+CDS 00013952:13:0		00-159/02:00:00.000		JEE+009/19:07:10.000
Duration	00000000:00:0		007/00:00:00.000		000/00:00:00.000
Top Label	28HVEUXCAL01-				
Bottom Label	realtime				
Plot Key	UVS	Type	SCI		
CDS Bytes	380	Report Options	BOTH		
CDS Source	OAP	Spin State	ALL		
			Scan Platform	Yes	
			DMS	No	
Observation Objective					
<div style="border: 1px solid black; padding: 5px; width: 200px; height: 150px; display: inline-block; vertical-align: top;"> </div> <p>Cross calibration with UVS. EUV star cal. realtime, 7 flushes BTG=0.124 MBTG TICS=0 tics FMT=NONE CDS=200</p>					
Design Detail					
21	24EUV				
179	FPNT				
180	EUVOFF				
380					

21 24EUV
179 FPNT
180 EUVOFF
380



Start UTC TIME : 2000-152 // 00:00:00.000
No End Time :
Start SCLK : 1/05553949:4:24:5:0

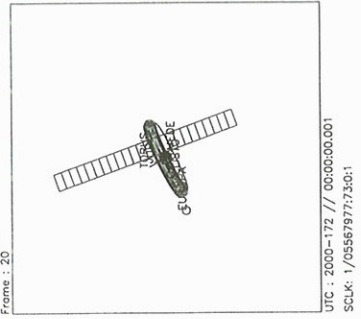
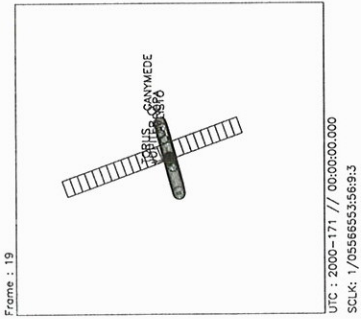
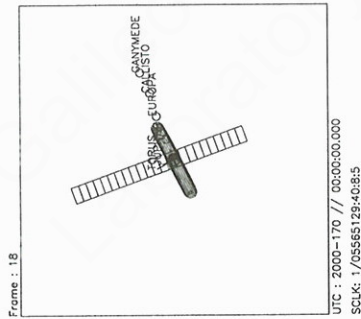
Target Body : JUPITER
Target Rc/Dec : 141.70 / 16.49 Deg
S/C to Body Center : 9703958. Km (135.73488 Rj)
Z-axis Pointing (Rc / Dec) : 230.30 / -19.00 Deg

AU SKY TO AUREA FPAT

Tue Feb 29 23:47:56 2000

G28 post turn, EUV S.A.=221,24x1

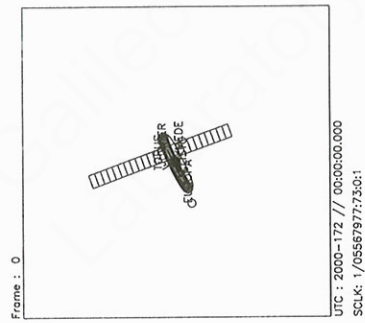
Page 3 of 3



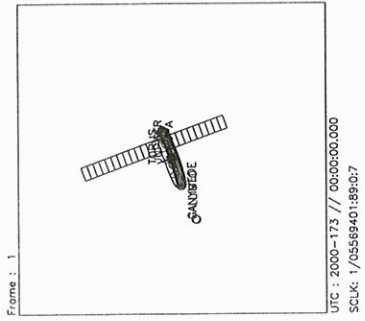
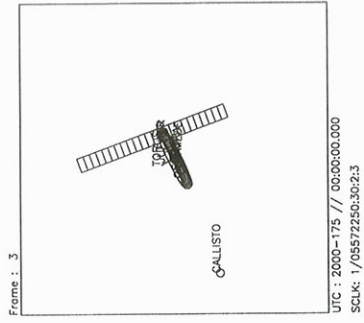
Start UTC_TIME : 2000-152 // 00:00:00.000
No End Time :
Start SCLK : 1/05539494:24:5:0

Target Body : JUPITER
Target Ra/Dec : 145.65/ 15.06 Deg
S/C to Body Center : 1.219257E+07 Km (170.54457 R)
Z-axis Pointing (Ra / Dec) : 230.30 / -19.00 Deg

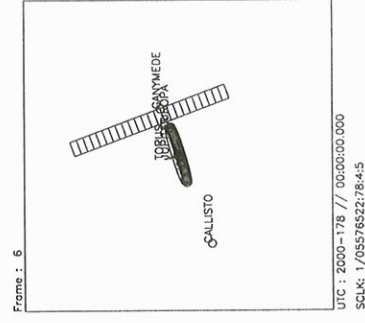
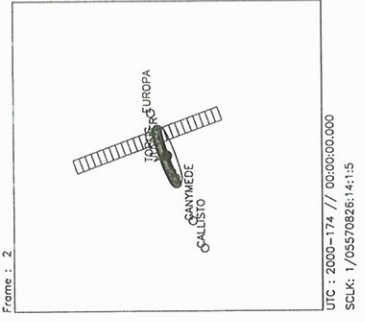
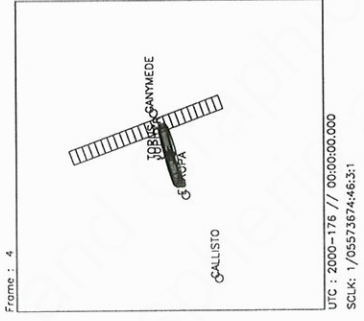
Geophysical and Graphics Software 2007
Laboratory for Atmospheric and Space Physics



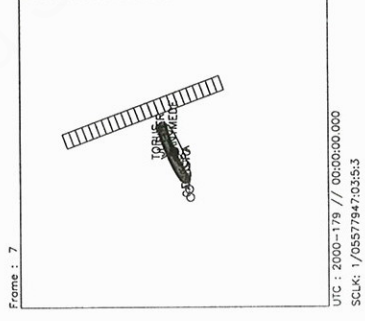
All Sky



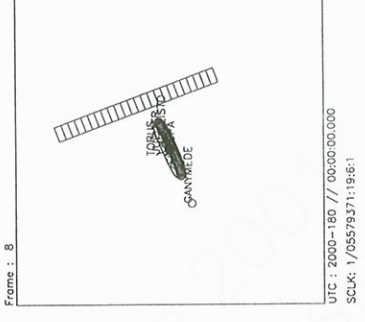
→ Torus

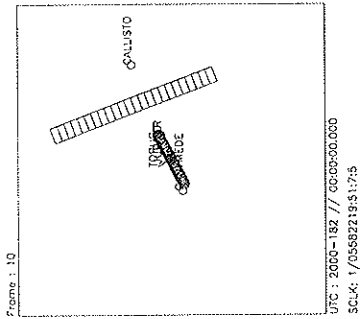
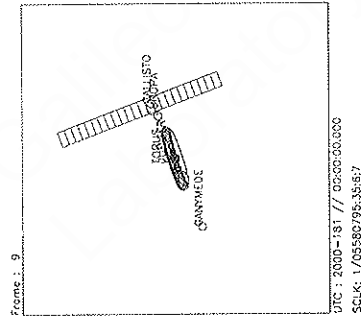


Start UTC_TIME : 2000-172 // 00:00:00.000
No End Time :
Start SCLK : 1/05567977:3:0:1



Target Body : JUPITER
Target Ra/Dec : 146.32 / 14.81 Deg
S/C to Body Center : 1.267332E+07 Km (177.26906 Rj)
Z-axis Pointing (Ra / Dec) : 230.30 / -19.00 Deg



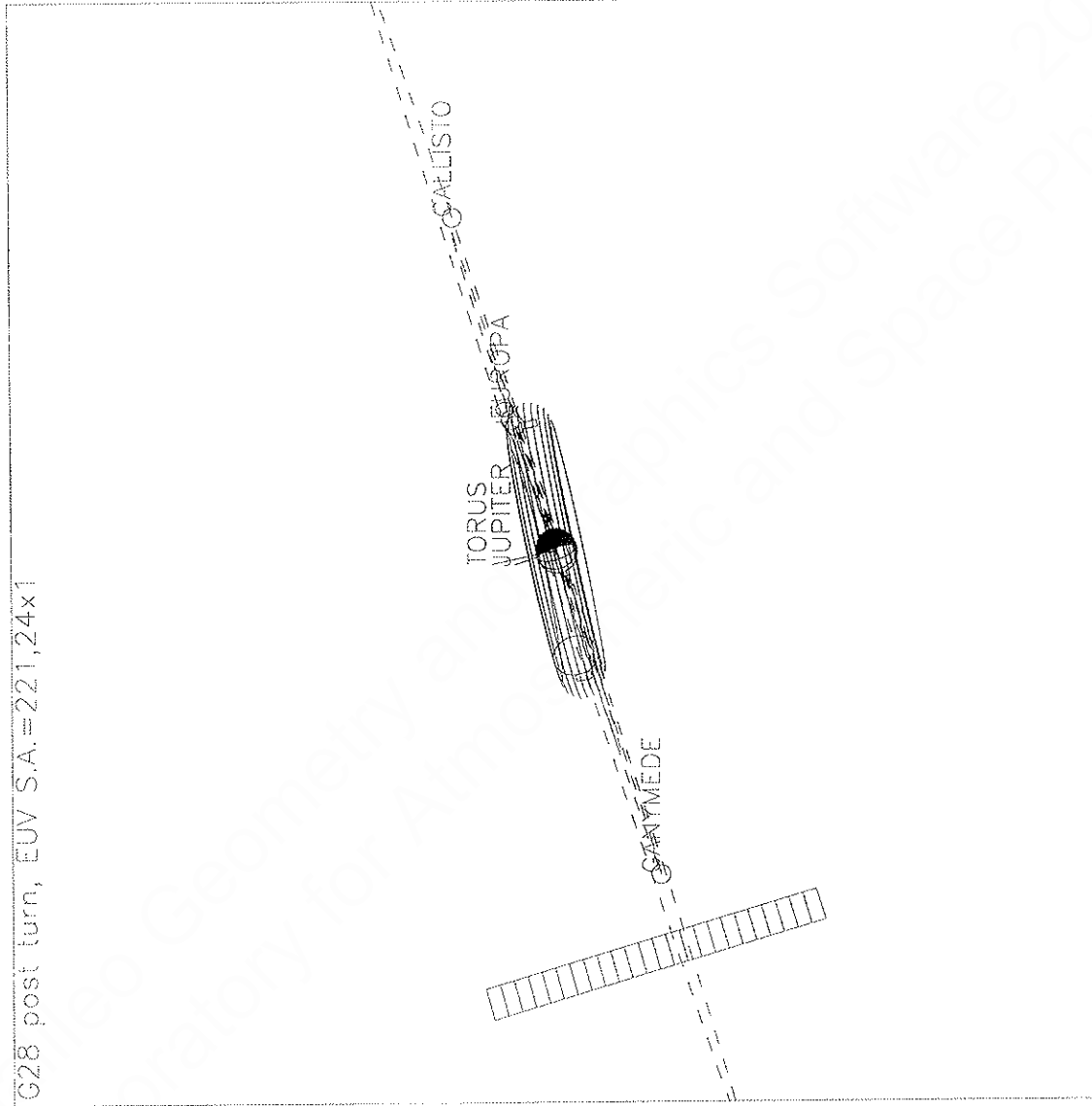


Start UTC_TIME : 2000-172 // 00:00:00.000
 No. End Time :
 Start SCLK : 1/05567977:73:0:1

Target Body : JUPITER
 Target Rc/Dec : 148.82/ 13.85 Deg
 S/C to Body Center : 1.458486E+07 Km (204.00688 R)
 Z-axis Pointing (Rc / Dec) : 230.30 / -19.00 Deg

Tue Feb 29 23:47:23 2000

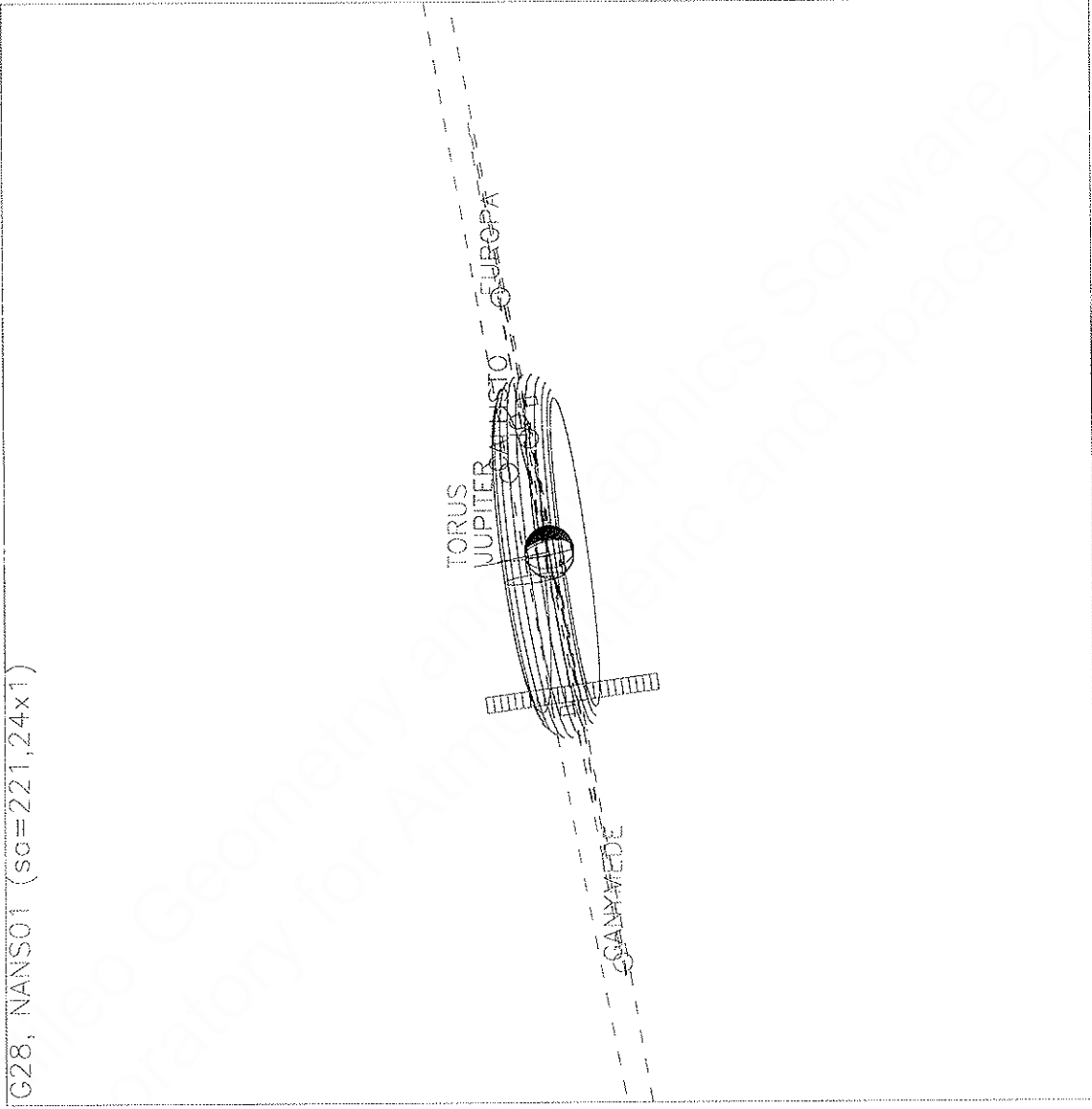
G28 post turn, EUV S.A.=221,24x1



Start UTC TIME : 2000-152 // 00:00:00.000
No End Time :
Start SOLK : /05539494:24:5:0
Target Body : JUPITER
Target Ra/Dec : 134.18 / 18.96 Deg
S/C to Body Center : 64.36909. Km (90.036773 Rj)
Z-axis Pointing (Ra / Dec) : 230.30 / -19.00 Deg

Tue Feb 29 23:24:53 2000

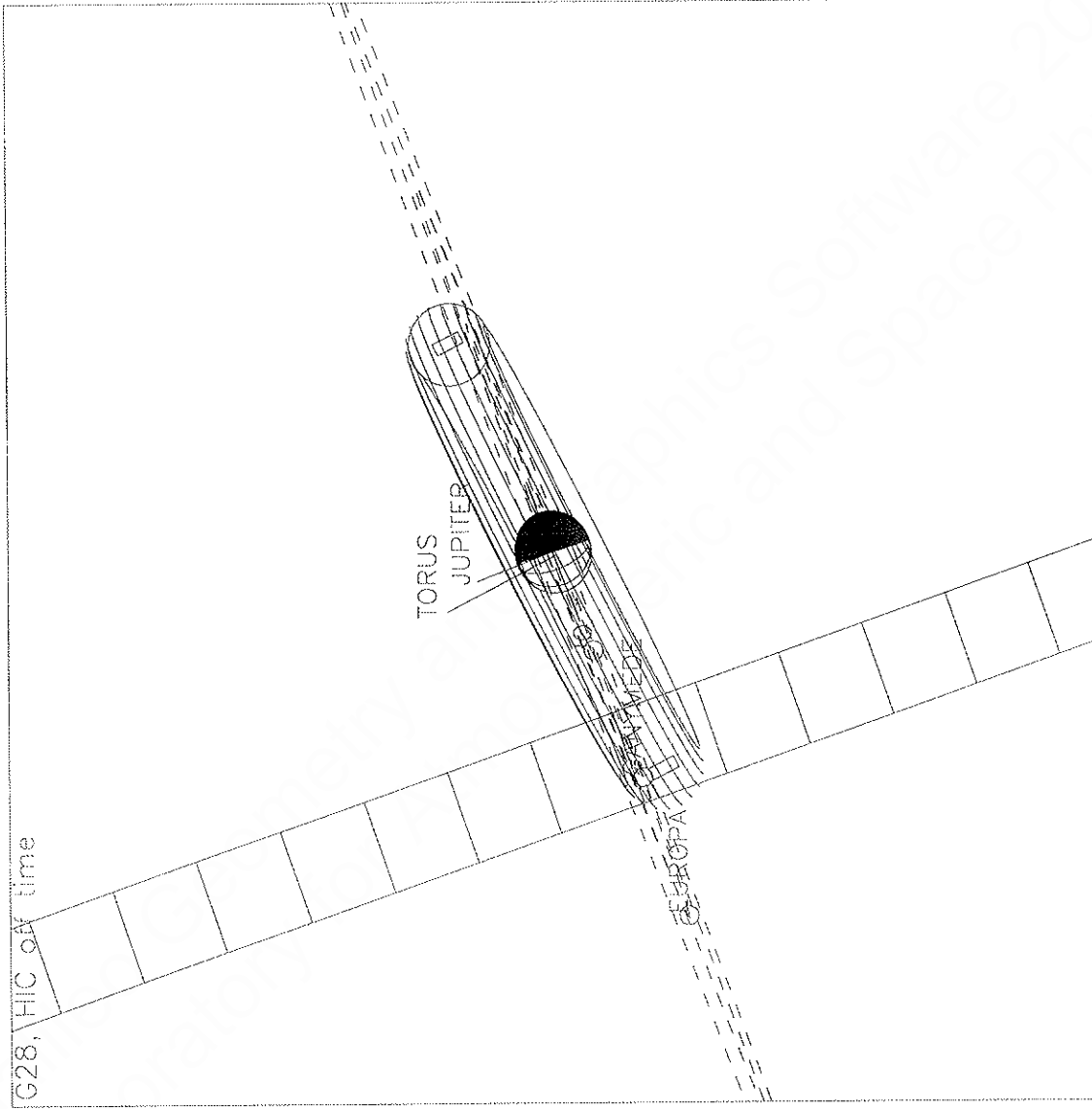
G28, NANS01 (sc=221,24x1)



Start UTC_TIME : 2000-145 // 00:00:00.000
No End Time :
Start SOLK : 1 // 05529525:02:9:6

Target Body : JUPITER
Target Ra/Dec : 113.19 / 23.86 Deg
S/C to Body Center : 2712986. Km (37.946:10 Rj)
Z-axis Pointing (Ra / Dec) : 223.59 / -15.75 Deg

Tue Feb 29 23:09:04 2000

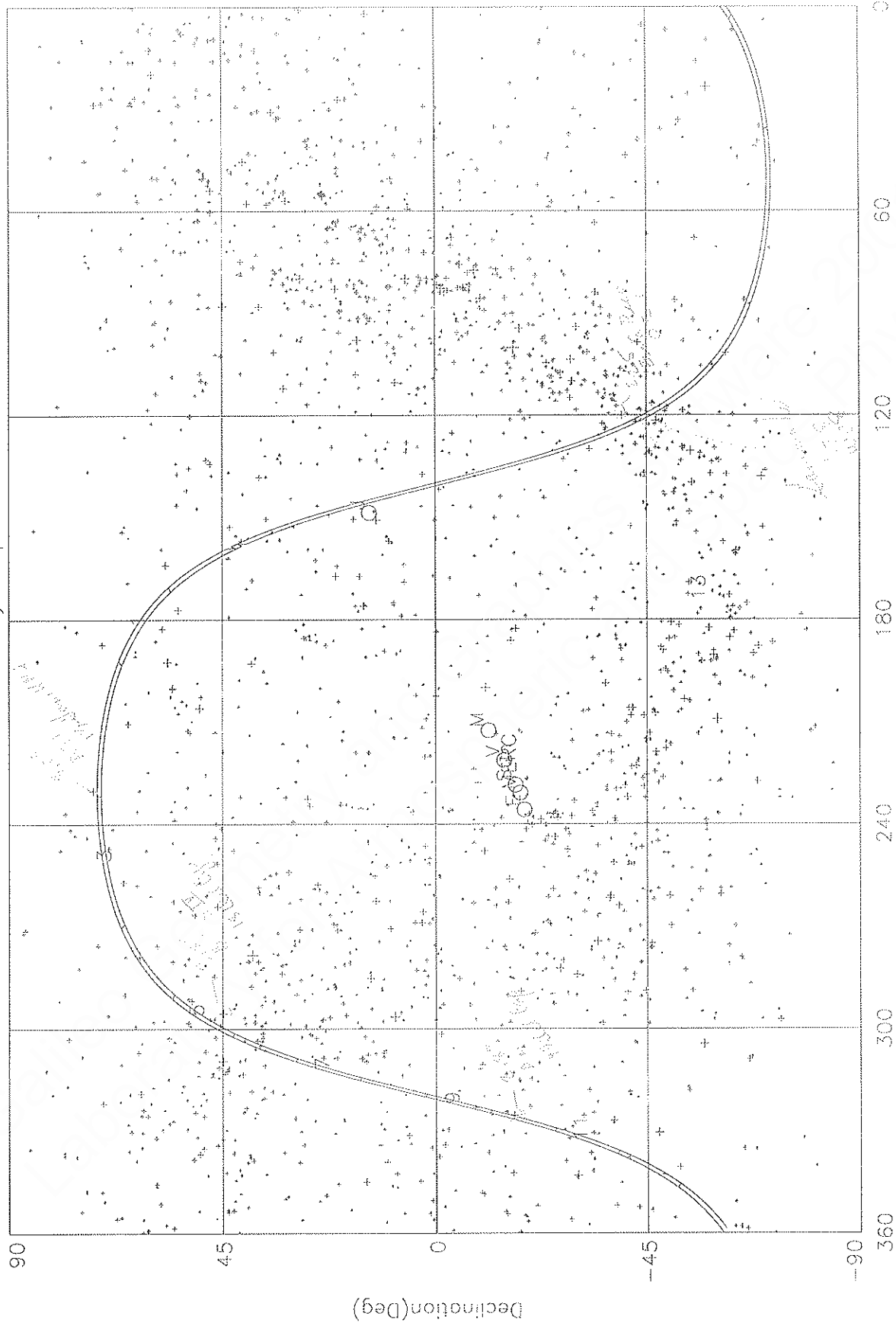


Start UFC TIME : 2000-165 // 00:00:00.000
No End Time :
Start SCLK : 1/05536008:31:4:7

Target Body : JUPITER
Target Ra/Dec : 143.69 / 15.79 Deg
S/C to Body Center : 1.088265E+07 Km (152.22192 RJ)
Z-axis Pointing (Ra / Dec) : 230.30 / -19.00 Deg

52000

EUV Sky Map



Right Ascension(Deg)

UTC: 2000-180 // 00:00:00.000 SCLK: 1/05579371:19:6.1

FOV Size:(0.87 x 0.17) Z Axis Source: Auto Lookup (230.3 / --19.0)

Return-path: <SIMMONS@pisces.colorado.edu>
Received: from pisces.colorado.edu by pisces.colorado.edu (PMDF V5.2-31 #40069)
id <01JNCDOKBF8W90MT33@pisces.colorado.edu> for simmons@pisces.colorado.edu
(ORCPT rfc822;simmons@pisces.colorado.edu); Wed, 22 Mar 2000 22:40:07 GMT
Date: Wed, 22 Mar 2000 22:39:56 +0000 (GMT)
From: KAREN SIMMONS AT LASP/COLORADO <SIMMONS@pisces.colorado.edu>
Subject: g28 command
To: simmons@pisces.colorado.edu
Message-id: <01JNCLYZL2C690MT33@pisces.colorado.edu>
MIME-version: 1.0
Content-type: TEXT/PLAIN; CHARSET=US-ASCII
Original-recipient: rfc822;simmons@pisces.colorado.edu

To: tobiska@jpl.nasa.gov
Cc: pryor, stewart, white@lasp, hendrix
Subject: G28 EUV sky background/calibration
Enter your message below. Press CTRL/Z when complete, or CTRL/C to quit:
Hi Kient,
Hi Kent,

I finished the calculations for the EUV all-sky sectors in the
Phase 2 (24x45) matrix. I get 36 scans/sector is our max sky coverage:

$$21.4 \times 24 \times 36 = 18.4896 \text{ sec} * 19.047 [\text{sec}/360 \text{ deg}] = 349.46 \text{ deg}$$

I checked 37 scans/sector and we're too close to 360 deg. We also
recalled we liked to use a starting angle of 1, instead of 0. Our all-sky
EUV commands during early cruise used 35 sectors and 25 scans/sector for
353.9 deg coverage and starting angle of 1 (which is actually 1.4 deg).

So, the EUV command to use for the G28 all-sky portion, with the
Aurora FPNT, is:

24EUV, Norm, Count, 3, 1, Cruise, 24, 18.

The 24 and 18 are hex for 36 scans/sector and 24 sectors.

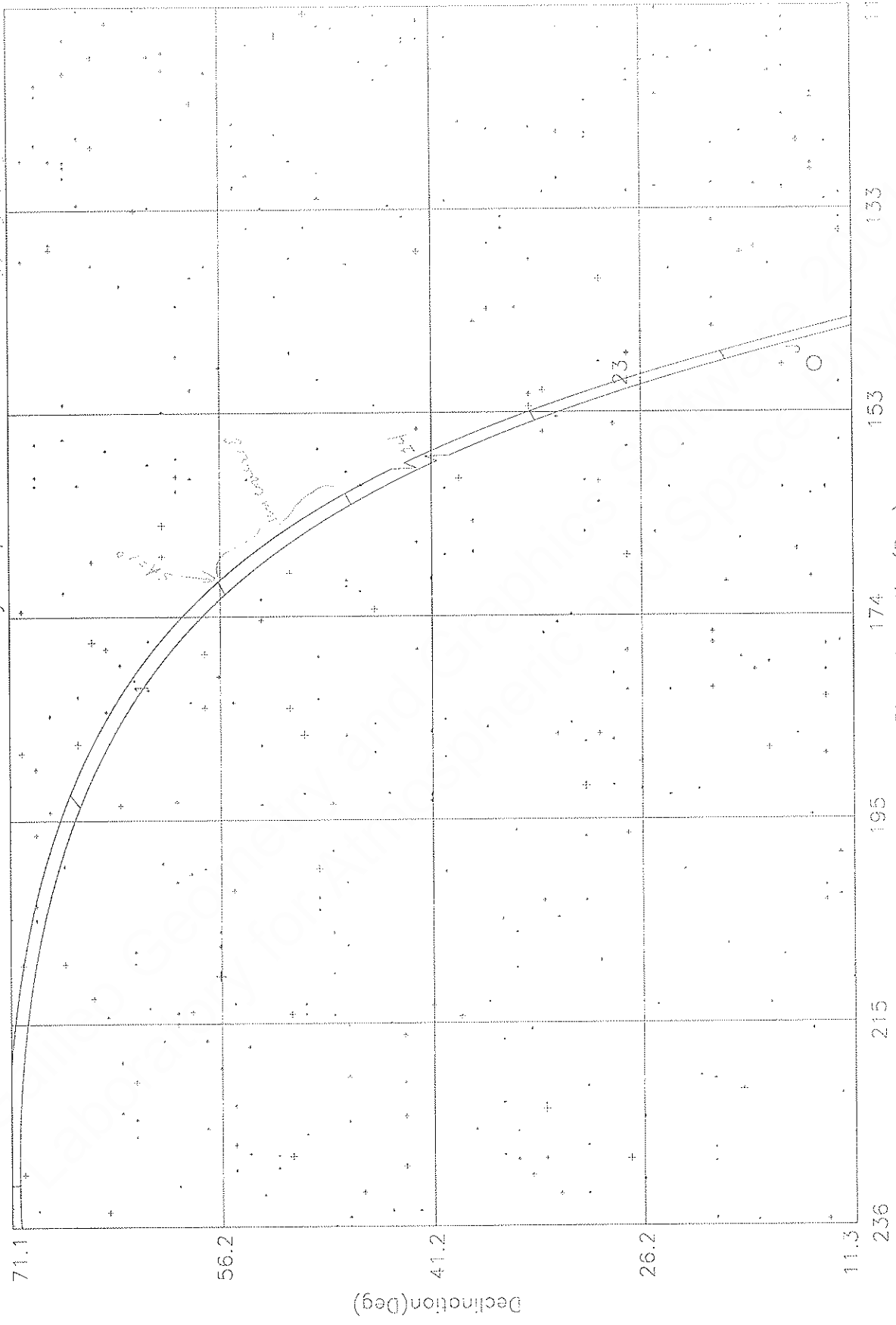
ALSO ***. We note that we should get some good stars in these
sectors so this should act as a "final" calibration. Perhaps we can note this
to the project so that if we get another safing they will be more willing to
get us going again. (PS. Let's work on the contingency file.)

Karen

PA = 1
24 x 36 m/s

EUV Sky Map

514 → 53 → 549 → 56



UTC: 2000--180 // 00:00:00.000 SCLK: 1/05579371:19:6:1
FOV Size:(0.87 x 0.17) Z Axis Source: Auto Lookup (230.3 / -19.0)

Handwritten notes and signatures in the top right corner, including a signature that appears to be 'J. H. ...' and some illegible text.