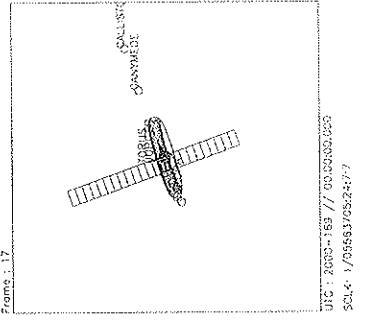
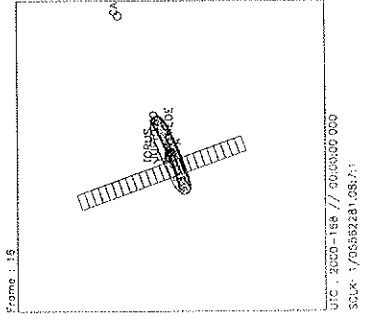
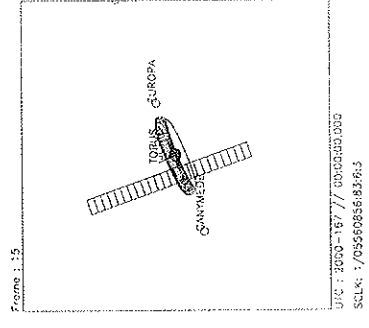
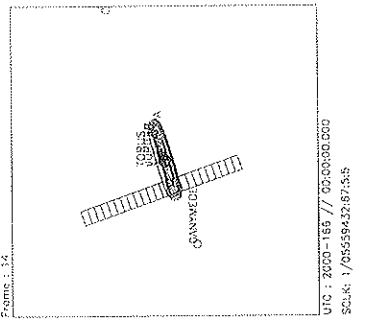
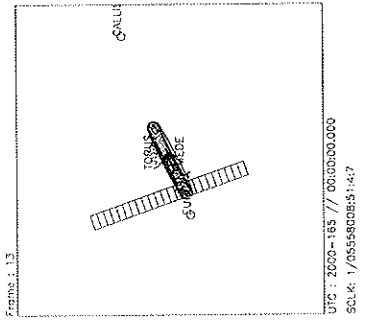
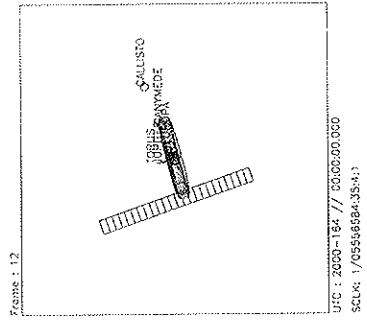
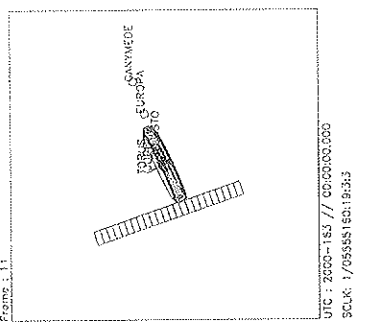
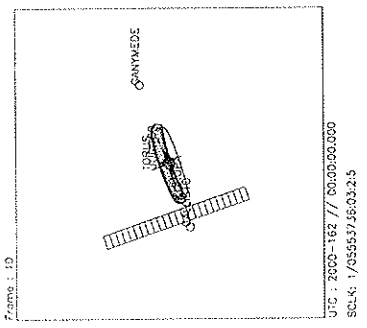
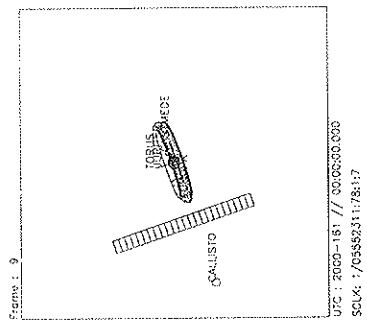


<b>Activity ID:</b> Orbit 28		<b>OAPEL</b> HVEUXCAL		<b>SeqNo</b> 01-	
<b>Title</b>	EUV/UVS cross calibration			<b>Instrument</b>	UVS
<b>Requestor</b>	UVS-AWG/W. KENT TOBISKA	<b>Team</b>	UVS	<b>Working Group</b>	AWG
<b>Time System</b>	UTC	<b>Load ID</b>	28A	<b>Calendar Date</b>	06/01/99
				<b>Week</b>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

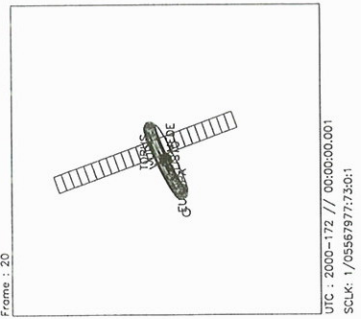
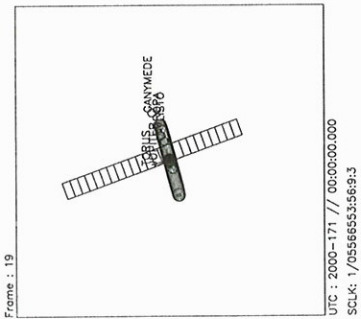
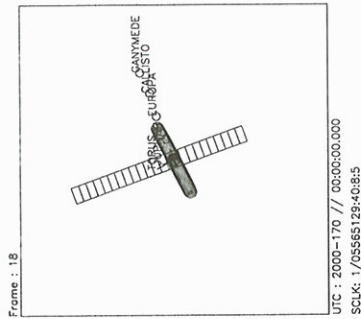
Target Body : JUPITER  
Target Rc/Dec : 141.70 / 18.49 Deg  
S/C to Body Center : 9703958. Km ( 135.73488 Rj )  
Z-axis Pointing ( Rc / Dec ) : 230.30 / -19.00 Deg

AU SKY TO AUREORA FPAT

Tue Feb 29 23:47:56 2000

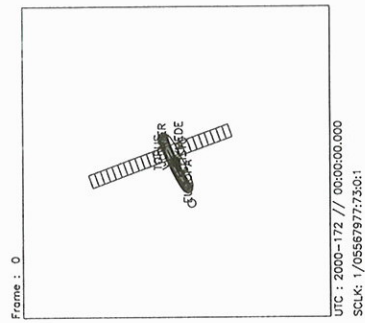
G28 post turn, EUV S.A.=221,24x1

Page 3 of 3

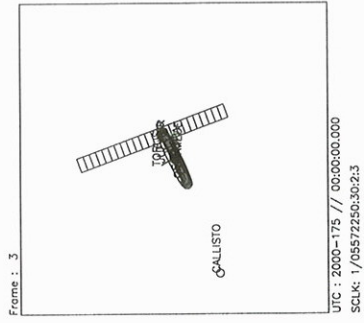


Start UTC\_TIME : 2000-152 // 00:00:00.000  
No End Time :  
Start SCLK : 1/05539494:24:5:0

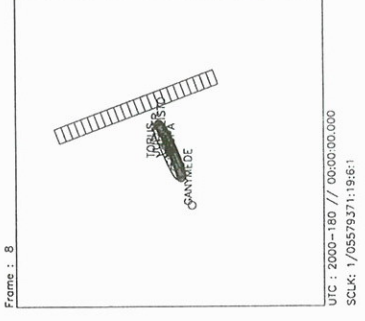
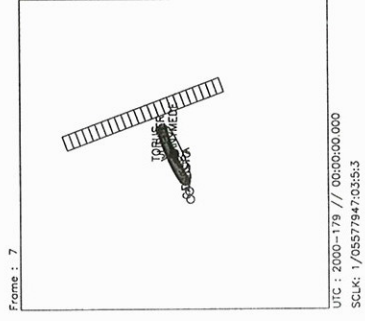
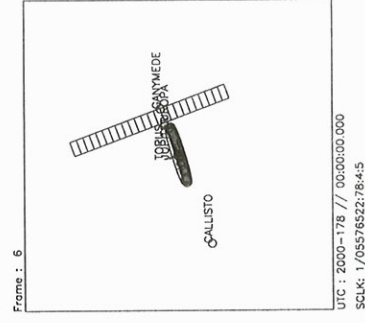
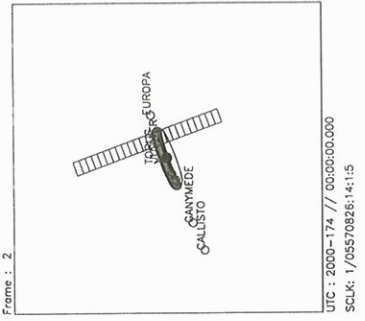
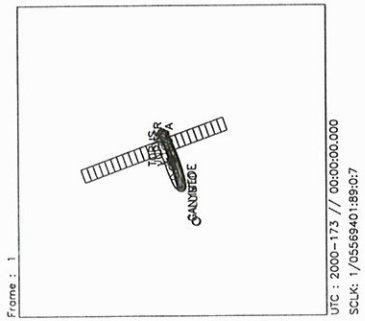
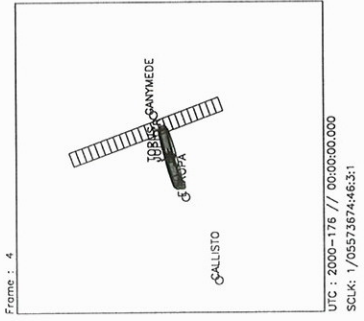
Target Body : JUPITER  
Target Rg/Dec : 145.65/ 15.06 Deg  
S/C to Body Center : 1.219257E+07 Km ( 170.54457 R )  
Z-axis Pointing ( Rg / Dec ) : 230.30 / -19.00 Deg



All Sky

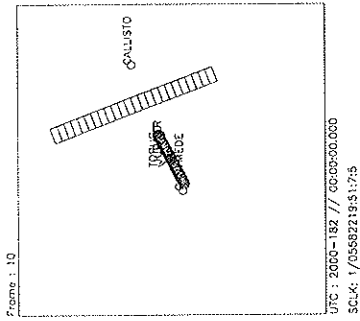
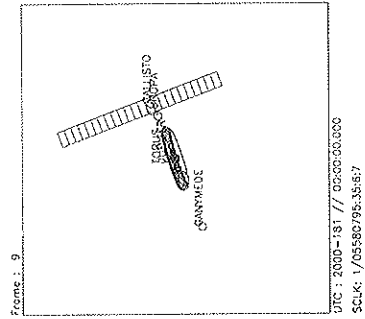


→ Torus



Start UTC\_TIME : 2000-172 // 00:00:00.000  
No End Time :  
Start SCLK : 1/05567977:30:1

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

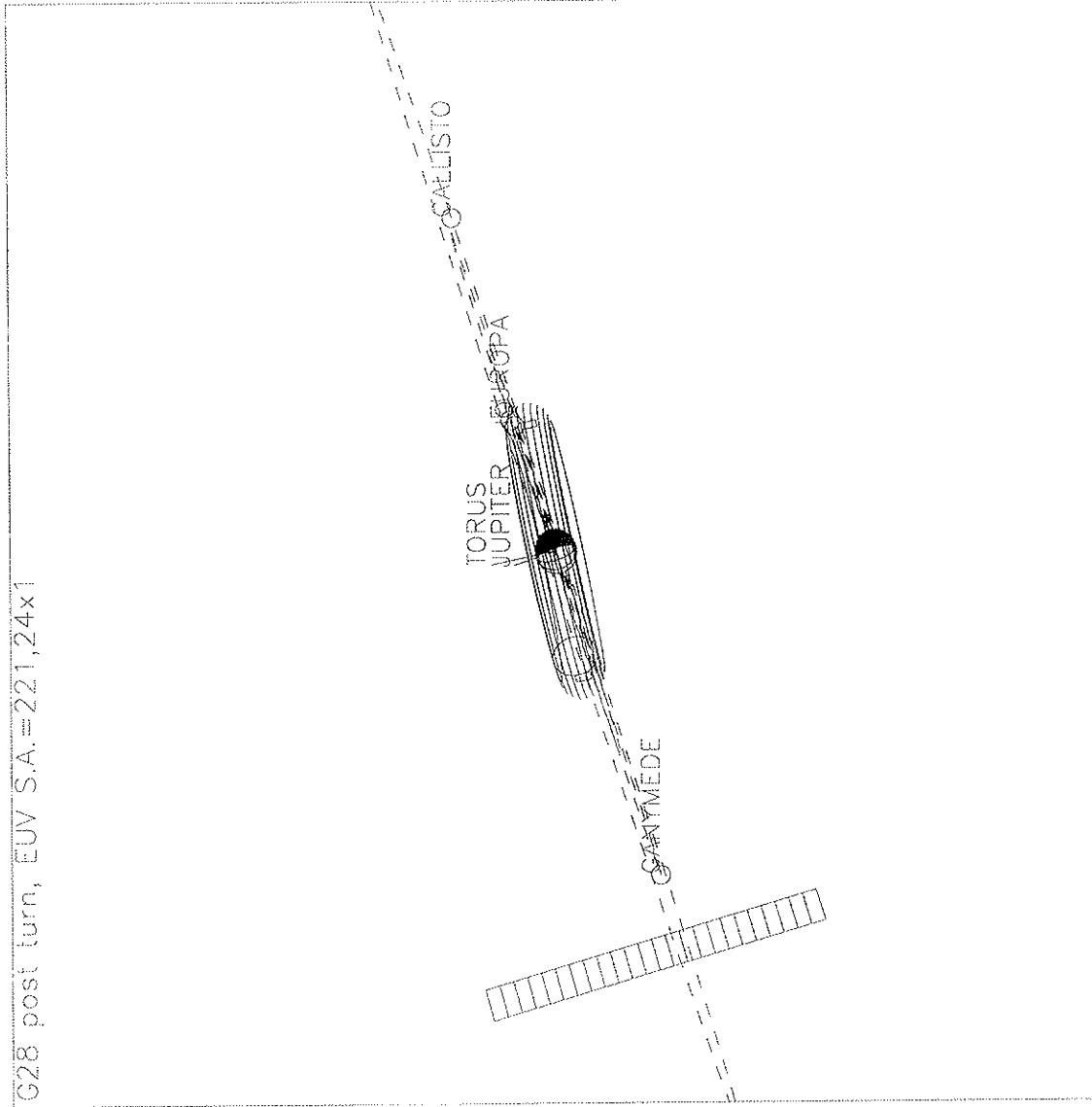


Start UTC\_TIME : 2000-172 // 00:00:00.000  
No. End Time :  
Start SCLK : 1/05567977.730:1

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

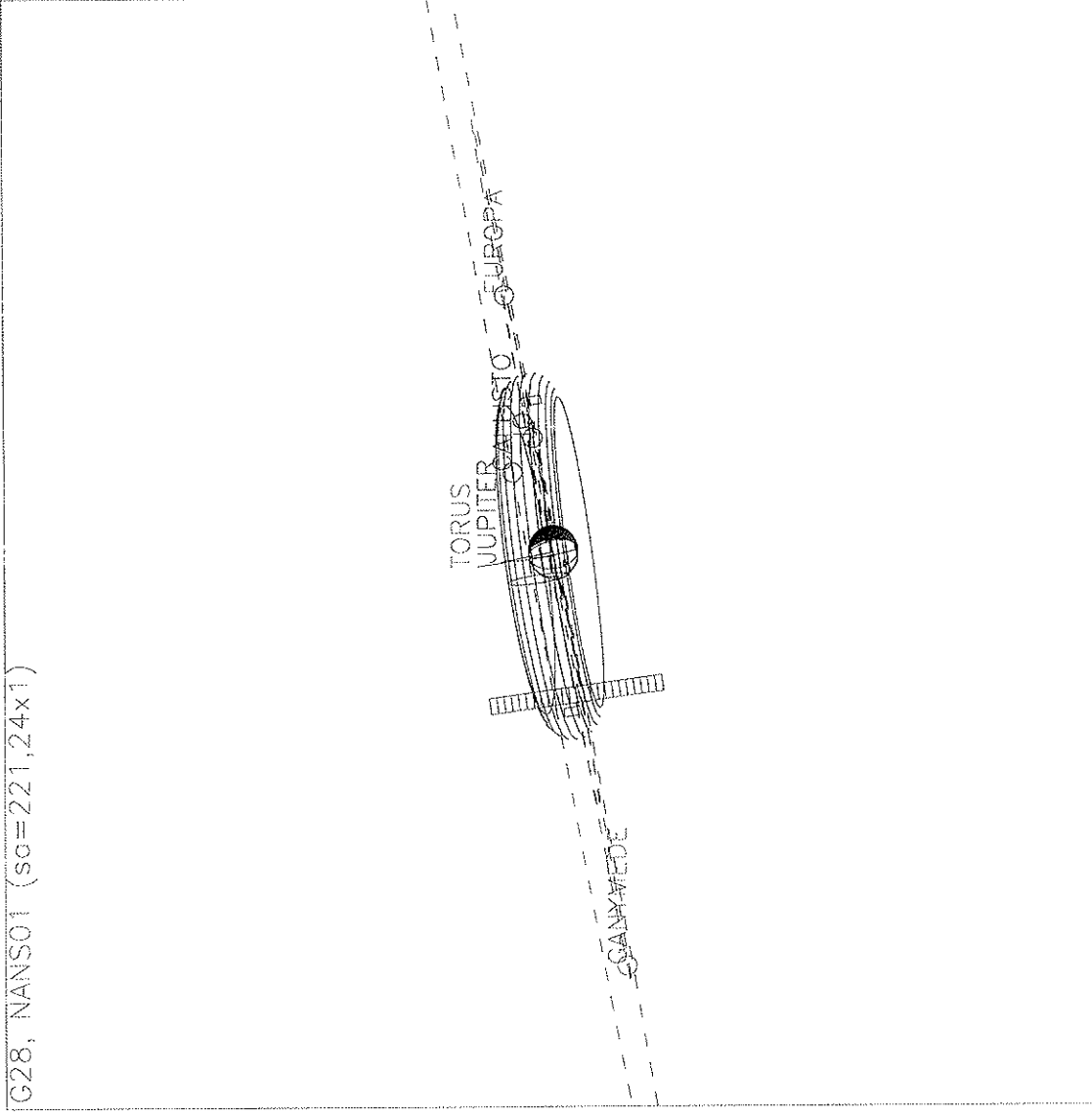
G28 post turn, EUV S.A.=221,24x1



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

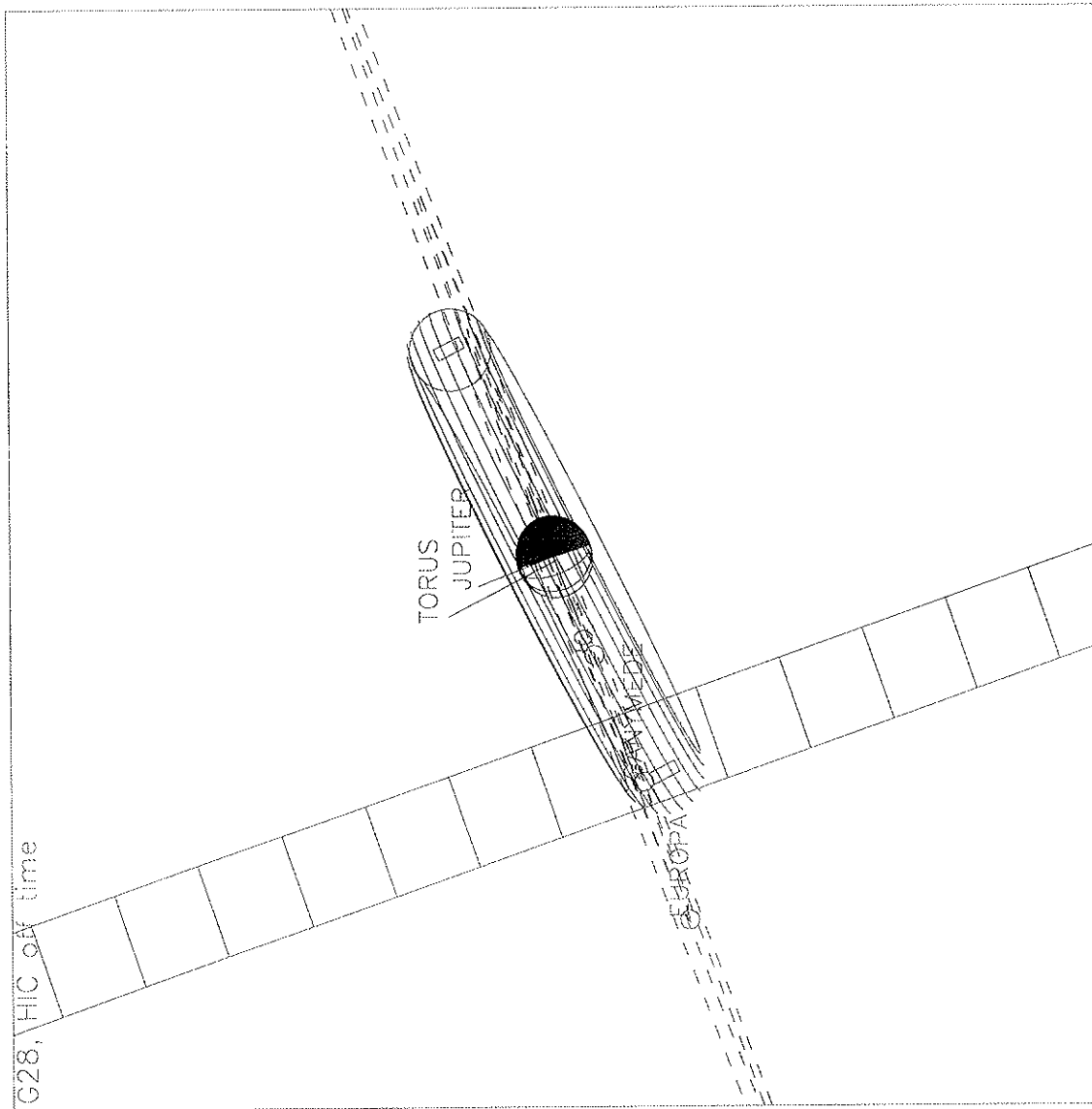
Target Body : JUPITER

Target Ra/Dec : 113.19/ 23.86 Deg

S/C to Body Center : 2712986. Km ( 37.94810 Rj )

Z-axis Pointing ( Ra / Dec ) : 223.59 / -15.75 Deg

Tue Feb 29 23:09:04 2000



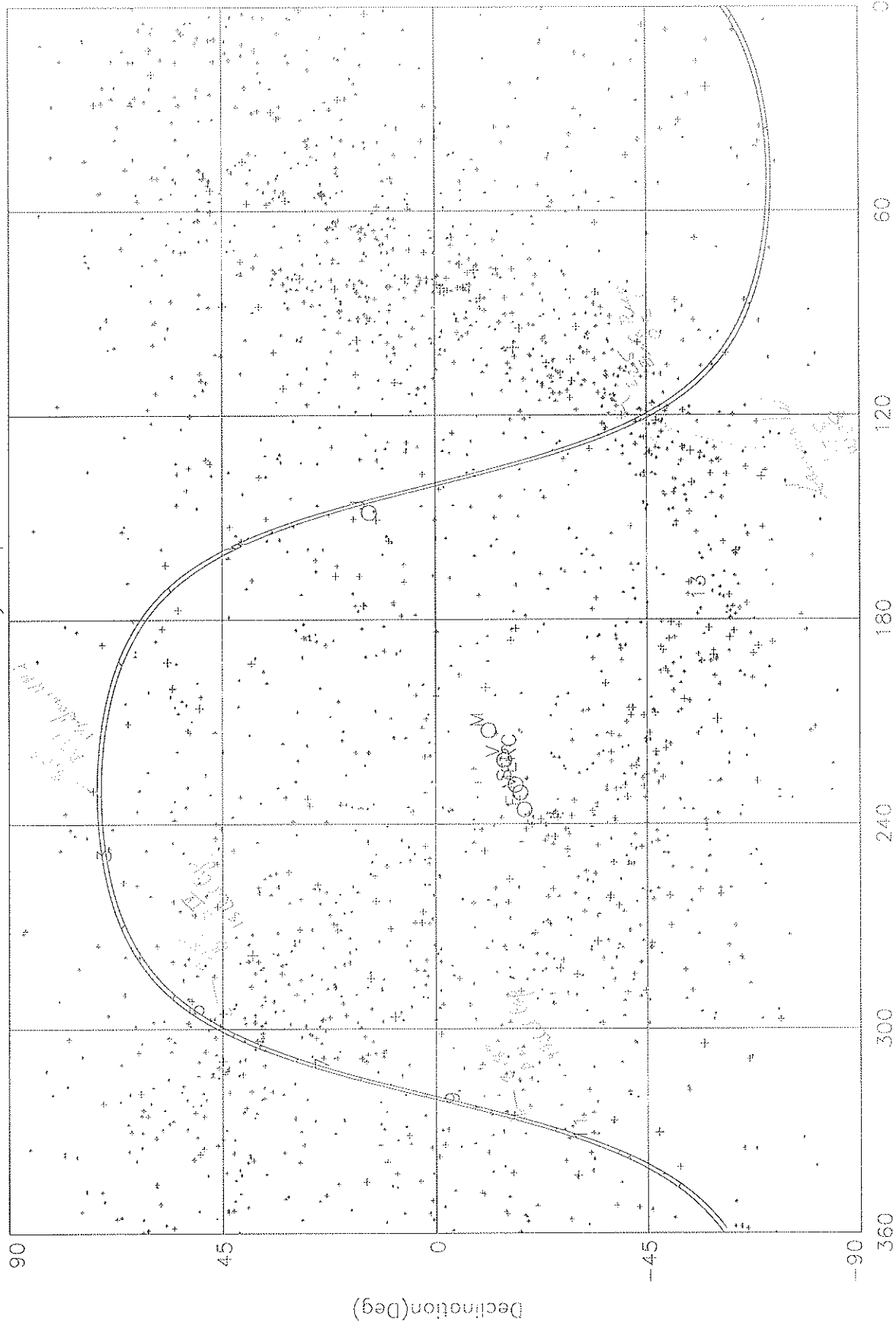
Start UFC TIME : 2000-165 // 00:00:00.000  
No End Time :  
Start SCLK : 1/05536008:31:4:7

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.

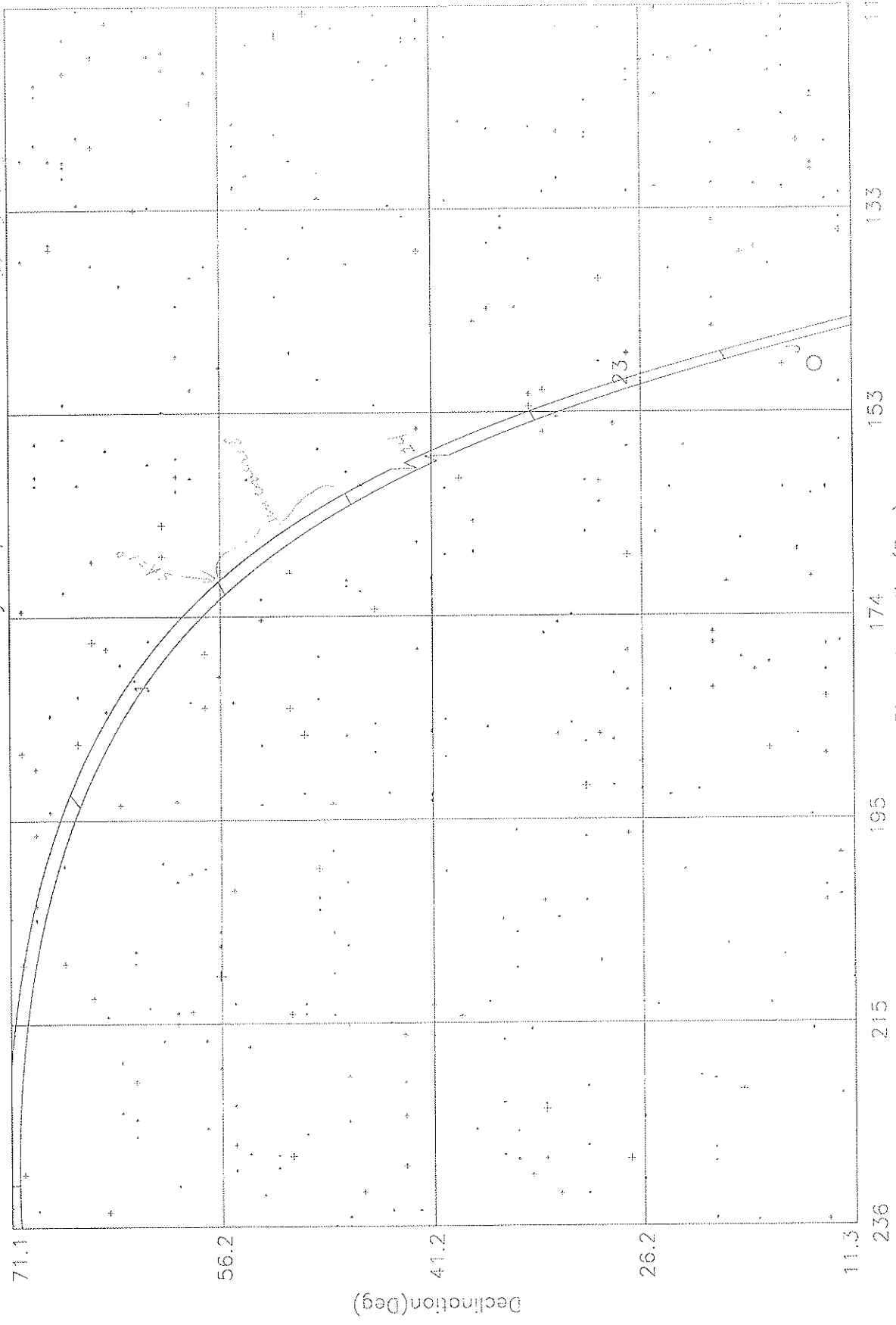
ALSO \*\*\*. We note that we should get some good stars in these  
sectors so this should act as a "final" calibration. Perhaps we can note this  
to the project so that if we get another safing they will be more willing to  
get us going again. (PS. Let's work on the contingency file.)

Karen

PA = 1  
24 x 36 m/s

# EUV Sky Map

514 → 515 → 516 → 517 → 518 → 519 → 520



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. ...' and some illegible text.