



 Monthly Calibration from ~13:30 - ~22:00 (Orb.37582-587 at KS)

Summary of Anomalies:

instrument info
 EGOI
 1 - calibration lamp instability:
 dump orbit 37582
 voltage: 1 prd. 207.5 (nom =~197 V) (prod of lamp ignition)
 1 prd. 205.3 (nom =~197 V) (prod of lamp ignition)
 1 prd. 205.4 (nom =~197 V) (prod of lamp ignition)
 1 prd. 205.2 (nom =~197 V) (prod of lamp ignition)
 1 prd. 205.9 (nom =~197 V) (prod of lamp ignition)

 dump orbit 37583
 voltage: 1 prd. 205.6 (nom =~197 V) (prod of lamp ignition)
 1 prd. 204.7 (nom =~197 V) (prod of lamp ignition)
 1 prd. 206.1 (nom =~197 V) (prod of lamp ignition)
 1 prd. 206.1 (nom =~197 V) (prod of lamp ignition)
 dump orbit 37584
 voltage: 1 prd. 205.9 (nom =~197 V) (prod of lamp ignition)
 1 prd. 205.5 (nom =~197 V) (prod of lamp ignition)
 1 prd. 205.9 (nom =~197 V) (prod of lamp ignition)
 1 prd. 205.8 (nom =~197 V) (prod of lamp ignition)
 dump orbit 37585
 voltage: 1 prd. 205.5 (nom =~197 V) (prod of lamp ignition)
 1 prd. 205.7 (nom =~197 V) (prod of lamp ignition)
 1 prd. 205.9 (nom =~197 V) (prod of lamp ignition)
 1 prd. 205.6 (nom =~197 V) (prod of lamp ignition)
 dump orbit 37586
 voltage: 1 prd. 205.6 (nom =~197 V) (prod of lamp ignition)
 1 prd. 207.0 (nom =~197 V) (prod of lamp ignition)
 1 prd. 205.8 (nom =~197 V) (prod of lamp ignition)

 GOME Daily Reports Analysis 28 Jun 2002

Station ID	OK	
MPH Product Confidence	OK	
SPH Window Information	OK	
Command Word Echo Summary	OK	
Instrument Status 1A	OK	
Instrument Status 1B	OK	
Instrument Status 2	OK	
Integration Times Channel 1	OK	
Co-Adding and Cluster Mode Flags	OK	
Integration Times Band 2A	OK	
Integration Times Band 2B	OK	
Integration Times Band 3	OK	
Integration Times Band 4	OK	
Scan Mirror Position	OK	
Polarisation Detectors	OK	
FPA Temperatures A	OK	
FPA Temperatures B	OK	
Charge Amp Temperatures	OK	
Other Temperatures A	OK	
DDHU Temperatures	OK	
Optical Bench Temperatures	OK	
Other Temperatures B	OK	
Calibr. Lamp and Instr. Status 3	>> Solar calibration performed	
	in dump Orb. 37581	
	start of sun calibration 11:53:52.15	
	intensity of sun calibration:	
	~16755 BU ->PMD2 readouts analysed with ERGO;	

(note: due to seasonal effects nominal values
range between ~16000 - ~19000 BU



calibration lamp instability (see above)

Scan Mirror Motor Current OK
Selected Temperature A OK
Selected Temperature B OK
Selected Temperature C OK
Channel 1 Summation OK
Channel 2 Summation OK
Channel 4 Summation OK
Log pages OK
331/318 nm Uncal. Line Ratio OK
Uncal. PMDs as RGB signal OK
780 nm Uncal. Intensity OK

GOME Memory Dump Check

28 Jun

2002

8877 differences found in RAM1 area

0 differences found in PROMCOPY area

5 differences found in E2PROMCOPY area

Address Actual Template

12FDE 0 FF

12FDF 7 FF

13003 0 1

13007 0 1

17FFF FD FF

0 differences found in E2PROM area

0 differences found in RAM2 area

0 differences found in PROM area