
 Monthly Calibration from ~13:00 - ~21:00 (Orb.37138-142 at KS)

Summary of Anomalies:

instrument info

EGOI

1 - calibration lamp instability:

dump orbit 37138

voltage: 1 prd. 205.8 (nom =~197 V) (prod of lamp ignition)
 1 prd. 206.4 (nom =~197 V) (prod of lamp ignition)
 1 prd. 205.7 (nom =~197 V) (prod of lamp ignition)
 1 prd. 206.2 (nom =~197 V) (prod of lamp ignition)

dump orbit 37139

voltage: 1 prd. 206.2 (nom =~197 V) (prod of lamp ignition)
 1 prd. 205.7 (nom =~197 V) (prod of lamp ignition)
 1 prd. 203.5 (nom =~197 V) (prod of lamp ignition)
 1 prd. 206.7 (nom =~197 V) (prod of lamp ignition)

dump orbit 37140

voltage: 1 prd. 205.6 (nom =~197 V) (prod of lamp ignition)
 1 prd. 206.0 (nom =~197 V) (prod of lamp ignition)
 1 prd. 205.6 (nom =~197 V) (prod of lamp ignition)
 1 prd. 205.7 (nom =~197 V) (prod of lamp ignition)

dump orbit 37141

voltage: 1 prd. 205.8 (nom =~197 V) (prod of lamp ignition)
 1 prd. 205.8 (nom =~197 V) (prod of lamp ignition)
 1 prd. 205.8 (nom =~197 V) (prod of lamp ignition)
 1 prd. 205.8 (nom =~197 V) (prod of lamp ignition)

dump orbit 37142

voltage: 1 prd. 205.5 (nom =~197 V) (prod of lamp ignition)
 1 prd. 206.1 (nom =~197 V) (prod of lamp ignition)
 1 prd. 205.8 (nom =~197 V) (prod of lamp ignition)

2 - Memory Dump (change to the day before):

address 1300B in E2PROMCOPY changed from template value 10 to actual 1

 GOME Daily Reports Analysis 28 May 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. 37137	
	start of sun calibration 11:28:33.90	

intensity of sun calibration:
~16680 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 May

2002

8838 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

1300B 1 10

0 differences found in E2PROM area

0 differences found in RAM2 area

0 differences found in PROM area