
 Monthly Calibration from ~14:30 - ~23:00 (Orb.38012-15 at KS; 38016 at MS)

Summary of Anomalies:

instrument info

EGOI

1 - calibration lamp instability:

dump orbit 38013

voltage: 1 prd. 208.3 (nom =~197 V) (prod of lamp ignition)
 1 prd. 205.9 (nom =~197 V) (prod of lamp ignition)
 1 prd. 205.5 (nom =~197 V) (prod of lamp ignition)
 1 prd. 205.0 (nom =~197 V) (prod of lamp ignition)
 1 prd. 205.6 (nom =~197 V) (prod of lamp ignition)

dump orbit 38014

voltage: 1 prd. 206.7 (nom =~197 V) (prod of lamp ignition)
 1 prd. 207.1 (nom =~197 V) (prod of lamp ignition)
 1 prd. 206.4 (nom =~197 V) (prod of lamp ignition)
 1 prd. 203.2 (nom =~197 V) (prod of lamp ignition)

dump orbit 38015

voltage: 1 prd. 205.3 (nom =~197 V) (prod of lamp ignition)
 1 prd. 206.9 (nom =~197 V) (prod of lamp ignition)
 1 prd. 204.5 (nom =~197 V) (prod of lamp ignition)
 1 prd. 205.7 (nom =~197 V) (prod of lamp ignition)

dump orbit 38016

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. 205.6 (nom =~197 V) (prod of lamp ignition)
 1 prd. 205.6 (nom =~197 V) (prod of lamp ignition)

dump orbit 38017

voltage: 1 prd. 205.2 (nom =~197 V) (prod of lamp ignition)
 1 prd. 205.8 (nom =~197 V) (prod of lamp ignition)
 1 prd. 205.3 (nom =~197 V) (prod of lamp ignition)

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

address 1300B in E2PROMCOPY changed back to template value

 GOME Daily Reports Analysis 28 Jul 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. 38011
start of sun calibration 12:52:30.36
intensity of sun calibration:
~16870 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 Jul

2002

8997 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

1366A AD A5

0 differences found in E2PROM area

0 differences found in RAM2 area

0 differences found in PROM area