
 Monthly Calibration from ~15:00 - ~00:00 (Orb.38456-61 at KS,MS)

Summary of Anomalies:

instrument info

EGOI

1 - LAMP FAILURE no 50 occurred, dump Orb. 38460 KS during monthly calibration sequence,

Calibration Lamp was on: 21:15:23 - 21:15:37
 Lamp Failure flag was set: 21:15:37 - 21:34:13
 lamp voltage reached only a value of ~160.5 V (21:15:23 - 21:15:37)
 (nominal is ~197 V)

please, note: the last GOME lamp Failure had occurred day 03/09/2001 during a
 daily calibration sequence (since Sept. 2001 the calibration lamp
 is used mainly during monthly calibration)

2 - calibration lamp instability:

dump orbit 38456

voltage: 1 prd. 205.8 (nom =~197 V) (prod of lamp ignition)
 1 prd. 205.7 (nom =~197 V) (prod of lamp ignition)
 1 prd. 206.0 (nom =~197 V) (prod of lamp ignition)
 1 prd. 205.0 (nom =~197 V) (prod of lamp ignition)

dump orbit 38457

voltage: 1 prd. 206.0 (nom =~197 V) (prod of lamp ignition)
 1 prd. 265.1 (nom =~197 V) (prod of lamp ignition)
 1 prd. 208.5 (nom =~197 V) (prod of lamp ignition)
 1 prd. 206.8 (nom =~197 V) (prod of lamp ignition)

dump orbit 38458

voltage: 1 prd. 205.6 (nom =~197 V) (prod of lamp ignition)
 1 prd. 206.1 (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 38459

voltage: 1 prd. 205.8 (nom =~197 V) (prod of lamp ignition)
 1 prd. 205.9 (nom =~197 V) (prod of lamp ignition)
 first 10 prd. ~160 (nom =~197 V) (prod of lamp ignition) -> LAMP FAILURE
 1 prd. 206.3 (nom =~197 V) (prod of lamp ignition)

dump orbit 38460

voltage: 1 prd. 205.3 (nom =~197 V) (prod of lamp ignition)
 1 prd. 205.8 (nom =~197 V) (prod of lamp ignition)
 1 prd. 205.9 (nom =~197 V) (prod of lamp ignition)

3 - anomalous long science dump at KS, dump orbit 38453,

09:31:45 - 09:46:07, no data processing possible

 GOME Daily Reports Analysis 28 Aug 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

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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. 38455
                                   start of sun calibration 13:21:08.97
                                   intensity of sun calibration:
                                   ~17005 BU ->PMD2 readouts analysed with ERGO;
                                   (note: due to seasonal effects nominal values
                                   range between ~16000 - ~19000 BU

                                   anomalous long science dump at KS, dump
                                   orbit 38453, 09:31:45 - 09:46:07, no data
                                   processing possible

                                   Lamp Failure no 50 occurred, dump Orb. 38
                                   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

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GOME Memory Dump Check

28 Aug

2002

8853 differences found in RAM1 area
 0 differences found in PROMCOPY area
 6 differences found in E2PROMCOPY area

Address	Actual	Template
1019C	40	C0
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