



 Monthly Calibration from ~14:00 - ~22:30 (Orb.34104-108 at KS)

Summary of Anomalies:

station info:
 1 - KS dump orbit 34109 EGOI small data gap 21:09:52 - 21:11:12

instrument info:

EGOI
 2 - calibration lamp instability:
 dump orbit 34104
 voltage: 1 prd. 201.5 (nom =~197 V) (prod of lamp ignition)
 dump orbit 34105
 voltage: 1 prd. 202.2 (nom =~197 V) (prod of lamp ignition)
 1 prd. 204.0 (nom =~197 V) (prod of lamp ignition)
 1 prd. 203.7 (nom =~197 V) (prod of lamp ignition)
 dump orbit 34106
 voltage: 1 prd. 205.4 (nom =~197 V) (prod of lamp ignition)
 1 prd. 205.4 (nom =~197 V) (prod of lamp ignition)
 1 prd. 204.2 (nom =~197 V) (prod of lamp ignition)
 dump orbit 34107
 voltage: 1 prd. 204.0 (nom =~197 V) (prod of lamp ignition)
 1 prd. 204.1 (nom =~197 V) (prod of lamp ignition)
 1 prd. 203.9 (nom =~197 V) (prod of lamp ignition)
 1 prd. 207.5 (nom =~197 V) (prod of lamp ignition)
 dump orbit 34108
 voltage: 1 prd. 200.7 (nom =~197 V) (prod of lamp ignition)
 1 prd. 200.4 (nom =~197 V) (prod of lamp ignition)
 1 prd. 200.4 (nom =~197 V) (prod of lamp ignition)
 1 prd. 201.0 (nom =~197 V) (prod of lamp ignition)
 dump orbit 34109
 voltage: 1 prd. 201.0 (nom =~197 V) (prod of lamp ignition)
 1 prd. 204.1 (nom =~197 V) (prod of lamp ignition)
 1 prd. 204.1 (nom =~197 V) (prod of lamp ignition)
 1 prd. 204.4 (nom =~197 V) (prod of lamp ignition)

 GOME Daily Reports Analysis 28 Oct 2001

Station ID >>KS dump orbit 34109 EGOI small data gap
 21:09:52 - 21:11:12

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. 34130
start of sun calibration 12:42:01.940
intensity of sun calibration:
~17900 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 3 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 Oct

2001

8855 differences found in RAM1 area

0 differences found in PROMCOPY area

6 differences found in E2PROMCOPY area

Address	Actual	Template
12FDE	0	FF
12FDF	7	FF
13003	0	1
13007	0	1
1300B	1	10
17FFF	FD	FF

0 differences found in E2PROM area

0 differences found in RAM2 area

0 differences found in PROM area