
Summary of Anomalies:

station info
 GS dump orbit 38677, EGOI small gap 23:48:01 - 23:50:19

instrument info

EGOI
 1 - GOME FPA temperatures out of range, orbit 38663, start ~01:41
 max temperatures reached before switch-off at 01:43:30
 channel 1: 305K
 channel 2: 247K
 channel 3: 310K
 channel 4: 247K
 temperatures were nominal (~235 K) again after switch-on and TST44 at 10:36:20

2 GOME unavailability due to FPA-I temperatures out of limit
 (see ER2-UNA - 2002/044/044A):
 - data gap GS-KS
 01:43:30 - 09:00:27 , dump Orb.38663-667

 - TST44 started at ~10:30 dump Orb. 38668
 start of sun calibration 10:30:26.44 (T detector = 263 K)
 start of lamp calibration 10:24:42 and 10:34:24
 intensity of sun calibration nominal (~16880 BU PMD2)

 - coolers off:
 01:43:30 - 10:36:20
 maximum warm up of detectors during switch off: 273 K

3 - Memory Dump (change to the day before):
 (reset to default values after GOME switch-off)
 5 differences found in E2PROMCOPY
 0 differences found in PROMCOPY

 GOME Daily Reports Analysis 12 Sep 2002

Station ID	data gap due to switch-off 01:43:30 - 09:00:27 , dump Orb.38663-667
MPH Product Confidence	OK
SPH Window Information	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	coolers off: 01:43:30 - 10:36:20
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	-GOME polar viewline GMNPT36 operated
Polarisation Detectors	OK
FPA Temperatures A	temperatures out of range max temp reached before switch off, 01:43:30 was for channel 1: ~305 K , channel 2: ~247 K start of increase from nominal temp (235K) ~01:41:08
FPA Temperatures B	temperatures out of range max temp reached before switch off, 01:43:30 was for channel 3: ~310 K , channel 4: ~247 K start of increase from nominal temp (235K) ~01:41:08
Charge Amp Temperatures	>>temp. out of range due to switch-off
Other Temperatures A	>>temp. out of range due to switch-off
DDHU Temperatures	>>temp. out of range due to switch-off
Optical Bench Temperatures	>>temp. out of range due to switch-off
Other Temperatures B	>>temp. out of range due to switch-off
Calibr. Lamp and Instr. Status 3	>> Solar calibration performed

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in dump Orb. 38668
start of sun calibration 10:30:26.44
(with warm detectors T =~263
intensity of sun calibration:
~16880 BU ->PMD2 readouts analysed with ERGO;
(note: due to seasonal effects nominal values
range between ~16000 - ~19000 BU

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>> Solar calibration performed
in dump Orb. 38669
start of sun calibration 12:11:03.05
intensity of sun calibration:
~16920 BU ->PMD2 readouts analysed with ERGO;
(note: due to seasonal effects nominal values
range between ~16000 - ~19000 BU

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Scan Mirror Motor Current      OK
Selected Temperature A        >>temp. out of range due to switch-off
Selected Temperature B        >>temp. out of range due to switch-off
Selected Temperature C        >>temp. out of range due to switch-off
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          12 Sep          2002
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8906 differences found in RAM1 area
0 differences found in PROMCOPY area
5 differences found in E2PROMCOPY area

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

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0 differences found in E2PROM area
0 differences found in RAM2 area
0 differences found in PROM area

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