
Summary of Anomalies:

station info

GS dump orbit 34170 EGOI small data gap 04:43:37 - 04:44:34

KS dump orbit 34172 EGOI small data gap 06:50:47 - 06:52:52

KS dump orbit 34176 EGOI small data gap 14:32:43 - 14:33:55

instrument info

1 - GOME anomaly due to RTM counter 00L
09:26:25 - 13:17:50 (see ER-UNA 2001/032)

data gap: 09:26:25 - 11:48:21, d.Orbits:34173-74
solar calibration with cooled detectors:start at 13:25:38.51 dump Orb.34175
T = 235 K
cooler switchings:off between 09:26:25 - 13:17:51
max warm up of detectors ~278 K
back to MPS 13:17:50

2 - Memory Dump (change to the day before):
(reset to default values after GOME switch-off) 5 differences found see below

GOME Daily Reports Analysis 02 Nov 2001

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 GOME anomaly: data gap:
 09:26:25 - 11:48:21

MPH Product Confidence OK
SPH Window Information OK
Command Word Echo Summary OK
Instrument Status 1A OK
Instrument Status 1B OK
Instrument Status 2 cooler switchings:off between 09:26:25 - 13:17:51
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 max warm up of detectors ~278 K
FPA Temperatures B max warm up of detectors ~278 K
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
 in dump Orb. 34175
 start of sun calibration 13:25:38.51
 intensity of sun calibration:
 ~18400 BU ->PMD2 readouts analysed with ERGO;
 (note: due to seasonal effects nominal values
 range between ~16000 - ~19000 BU

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 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

02 Nov

2001

8795 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