
Summary of Anomalies:

instrument info

EGOI

- 1 GOME unavailability due to an emergency switch-down of ATSR
(see ER2-UNA - 2002/016):
 - data gap
02:18:44 - 11:19:46 , dump Orb.36459-36464
 - TST44 started at ~12:45 dump Orb. 36465
start of sun calibration 12:49:45.78 (T detector = 262.5 K)
intensity of suncalibration nominal (~17370 BU PMD2)
 - coolers off:
02:18:44 - 12:55:39
maximum warm up of detectors: 272 K
 - occurrences of padded frames due to IRR/ATSR not yet back to nominal
operations, 11:19 - ~14:00 (dump orb. 36465-466)

GOME Daily Reports Analysis 11 Apr 2002

Station ID	data gap due to ATSR emergency switch-down 02:18:44 - 14:22:35, dump Orb. 35973 - 36162
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:02:18:44 - 12:55:39
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	>>maximum warm up of detector 271.3, 272.0K
FPA Temperatures B	>>maximum warm up of detector 271.8, 272.1K
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. 36465 start of sun calibration 12:49:45.78 intensity of sun calibration: ~17370 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 4 Summation	OK
Log pages	OK
331/318 nm Uncal. Line Ratio	OK
Uncal. PMDs as RGB signal	OK
780 nm Uncal. Intensity	>>occurrences of padded frames (visible as many red spots) due to ATSR/IRR not yet back to nominal operations

GOME Memory Dump Check

11 Apr

2002

8862 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