
Summary of Anomalies:

instrument info

EGOI

- 1 - due to the LEONIDS storm ERS2 has been switched off
(see unavailability fax, ESOC, ER-UNA-2002/048)

 data gap:18:48:27 (18/11/2002) - 21:37:12 (19/11/2002) d.Orb.39632 - 39647
 solar calibration with warm detectors:
 start at 01:05:24.53 (20/11/2002), (T = 253.5K)

 cooler switchings between 18:47:29 (18/11/2002) - 01:11:09 (20/11/2002)
 max warm up of detectors ~267.7K

 back to MPS 02:38:14 (20/11/2002)
- 2 - Lamp Failure no 67: dump orbit 39651, 01:09:36 - 01:11:08 (second lamp sequence)

 voltage: (first sequence) sudden decrease from ~198V to 175V after 16sec
 of ignition
 (2nd sequence) reaches only 179V at ignition, increases to ~181V
 and a lamp failure follows
- 3 - anomalous long science dump at KS, dump orb 39657, 12:21:24 - 12:35:46,
 no data processing possible

 GOME Daily Reports Analysis 20 Nov 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	>> cooler off between 18:47:29 (18/11/2002) - 01:11:09 (20/11/2002)
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 266.8K, 267.7K
FPA Temperatures B	max warm up of detectors 267.4K, 267.7K
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. 39651 start of sun calibration 01:05:24.53 intensity of sun calibration: ~17300 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 orb 39657 12:21:24 - 12:35:46, no data processing possible
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

GOME Memory Dump Check

20 Nov

2002

no dump info found in EGOE_021120KSEP2579.E2 due to the execution of an ERS2 orbit manoeuvre