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Summary of Anomalies:

station info

OK

instrument info

EGOI

1 - due to an on-board anomaly (see ER2-UNA- 2003/003-004)

GOME was switched off between 01:54:09 - 09:08:06

- no data 01:54:09 - 09:08:06, dump orb. 40982-986

- GOME in idle mode 09:08 - 10:35, dump orb. 40986-987

- TST44 timeline with warm detectors 10:35 dump orb. 40987  
(2 calibration lamp sequences without lamp failures performed)

cooler switchings between 01:54:09 - 10:49:07

max warm up of detectors ~273.9K

solar calibration with warm detectors:

start at 10:43:11.91 , (T = 264.0K)

- back to MPS 12:16:03

2 - Memory Dump (change to the day before):

(reset to default values after GOME switch-off )

5 differences found in E2PROMCOPY, see below

3 - anomalous long science dump at KS, dump orb 40989, 13:36:14 - 13:50:37,  
no data processing possible

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GOME Daily Reports Analysis

21 Feb

2003  
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Station ID see above

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 01:54:09 - 10:49:07

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 272.9K, 273.9K

FPA Temperatures B max warm up of detectors 273.5K, 273.9K

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. 40987

start of sun calibration 10:43:11.91

intensity of sun calibration:

~17010 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 o. 40989

13:36:14 - 13:50:37, 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

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GOME Memory Dump Check

21 Feb

2003  
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8903 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