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NARROW SWATH TIMELINE GMNNOT41 executed  
 begin of execution Orbit 40144 time: ~13:00  
 active until end of day, Orbit 40150

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Summary of Anomalies:

Station Info

|                                     |              |              |              |
|-------------------------------------|--------------|--------------|--------------|
| KS dump orbit 40144 EGOI small gap  | 12:38:36.530 | 12:38:41.030 | 00:00:04.500 |
| MS dump orbit 40150 EGOI small gaps | 22:44:43.170 | 22:44:47.670 | 00:00:04.500 |
|                                     | 22:44:55.170 | 22:44:58.170 | 00:00:03.000 |
| gap                                 | 22:45:02.680 | 23:01:58.280 | 00:16:55.600 |

Instrument Info

EGOI

- 1 - SEU
  - !!!anomalous values between ~22:00 (20/12/02) -11:07:46 (24/12/02) ,  
 dump orbit 40092- 40143 for:
  - channel 2 and 3 summation, values higher than usual  
 (quick look images, for ozone line ratios show anomalous values)
  - co-adding flag set not as usual: FPA2/2 set nearly all the time  
 (in nominal case this flag is set only during very short periods)
- 2 - gap at KS due to the execution of timeline GMN11  
 (switch-off/switch-on in time-tag) as planned  
 dump Orb. 40143, 11:07:46 - 11:09:23  
 coolers off: 11:07:46 - 11:09:35
- 3 - Memory Dump (change to the day before):  
 (reset to default values after GOME switch-off (GMN11 day 24/12))  
 4 differences found in E2PROMCOPY, see below  
 (SEU was cured, data nominal again after switch-on)

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 GOME Daily Reports Analysis 24 Dec 2002  
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|            |              |              |              |    |       |
|------------|--------------|--------------|--------------|----|-------|
| Station ID | 12:38:36.530 | 12:38:41.030 | 00:00:04.500 | KS | 40144 |
|            | 22:44:43.170 | 22:44:47.670 | 00:00:04.500 | MS | 40150 |
|            | 22:44:55.170 | 22:44:58.170 | 00:00:03.000 | MS | 40150 |
|            | 22:45:02.680 | 23:01:58.280 | 00:16:55.600 | MS | 40150 |

MPH Product Confidence OK  
 SPH Window Information OK  
 Command Word Echo Summary OK  
 Instrument Status 1A OK  
 Instrument Status 1B OK  
 Instrument Status 2 OK  
 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 OK  
 FPA Temperatures B OK  
 Charge Amp Temperatures OK  
 Other Temperatures A OK  
 DDHU Temperatures OK  
 Optical Bench Temperatures OK  
 Other Temperatures B OK  
 Calibr. Lamp and Instr. Status 3 >> Solar calibration performed  
 in dump Orb. 40143  
 start of sun calibration 11:45:44.57  
 intensity of sun calibration:  
 ~17540 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 OK  
Selected Temperature B OK  
Selected Temperature C OK  
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      24 Dec 2002  
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8838 differences found in RAM1 area  
0 differences found in PROMCOPY area  
4 differences found in E2PROMCOPY area

Address    Actual    Template

|       |   |    |
|-------|---|----|
| 12FDE | 0 | FF |
| 12FDF | 7 | FF |
| 13003 | 0 | 1  |
| 13007 | 0 | 1  |

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