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Summary of Anomalies:

Station Info

```
PS dump orbit 40125 EGOI gap 05:23:24.180 05:24:22.690 00:00:58.510
KS dump orbit 40127 EGOI gap 09:01:00.000 09:02:12.010 00:01:12.010
      40128 EGOI gap 10:41:21.600 10:42:35.110 00:01:13.510
      40129 EGOI gap 12:20:01.200 12:21:16.200 00:01:15.000
      40130 EGOI gap 13:57:51.280 13:58:09.280 00:00:18.000
      40132 EGOI gap 17:14:16.460 17:15:16.470 00:01:00.010
      40133 EGOI gap 18:53:29.060 18:54:33.570 00:01:04.510
      40134 EGOI gap 20:33:02.660 20:34:10.170 00:01:07.510
```

Instrument Info

EGOI

1 - SEU

```
!!anomalous values since ~22:00 (20/12/02), dump orbit 40092 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 - Memory Dump (change to the day before):

Address 1300B in E2PROMCOPY area changed back to template value.

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 GOME Daily Reports Analysis 23 Dec 2002  
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```
Station ID          05:23:24.180 05:24:22.690 00:00:58.510 PS 40125
                   09:01:00.000 09:02:12.010 00:01:12.010 KS 40127
                   10:41:21.600 10:42:35.110 00:01:13.510 KS 40128
                   12:20:01.200 12:21:16.200 00:01:15.000 KS 40129
                   13:57:51.280 13:58:09.280 00:00:18.000 KS 40130
                   17:14:16.460 17:15:16.470 00:01:00.010 KS 40132
                   18:53:29.060 18:54:33.570 00:01:04.510 KS 40133
                   20:33:02.660 20:34:10.170 00:01:07.510 KS 40134
```

```
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. 40129
                                     start of sun calibration 12:17:22.62
                                     intensity of sun calibration:
                                     ~17320 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 23 Dec 2002  
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9088 differences found in RAM1 area  
0 differences found in PROMCOPY area  
7 differences found in E2PROMCOPY area

Address	Actual	Template
12FDE	0	FF
12FDF	7	FF
13003	0	1
13007	0	1
131E2	A2	A6
13E9C	FB	FF
17FFF	FD	FF

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