```
****************************************************************************
Summary of Anomalies:
station info
GS dump orbit 42699 EGOI small gaps between 00:04:54 - 01:03:51
GS dump orbit 42699 EGOI corrupted products 00:54:33,00:54:35,00:54:36,
                         00:54:38,00:54:39,00:54:41,00:54:42,01:01:20


instrument info
EGOI
 1 - due to a GOME RTM counter anomaly (see ER2-UNA- 2003/003-023/24)
     GOME was switched off between 14:39:49 - 17:50:26

      - no data 14:39:49 - 17:50:26, dump orb. 42708-709

      - GOME in idle mode  17:50 - 19:17, dump orb. 42709

      - TST44 timeline with warm detectors 19:17  dump orb. 42710
        (2 calibration lamp sequences without lamp failures performed)

      cooler switchings between 14:39:49 - 19:31:03
                             max warm up of detectors ~278.7K
      solar calibration with warm detectors:
               start at 19:25:07.47 , (T = 268.0K)

      - back to MPS 20:57:59

 2 - anomalous long science dump at GS dump orbit 42699,
     00:30:20 - 00:43:47, no data processing possible
****************************************************************************

------------------------------------------------------------------------------
  GOME Daily Reports Analysis      21 Jun          2003
------------------------------------------------------------------------------

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  14:39:49 - 19:31:03
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 278.9K, 278.7K
FPA Temperatures B              max warm up of detectors 278.7K, 278.6K
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. 42705
                                start of sun calibration 11:02:10.29
                                intensity of sun calibration:
                                ~15655 BU ->PMD2 readouts analysed with ERGO;
                                (note: due to seasonal effects nominal values
                                range between ~16000 - ~19000 BU)

                                 TST44 performed
                                in dump Orb. 42710
                                start of sun calibration  19:25:07.47
                                intensity of sun calibration:
```

```
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                    21 Jun          2003
--------------------------------------------------------------------------------
        8948 differences found in RAM1 area
           0 differences found in PROMCOPY area
           7 differences found in E2PROMCOPY area
Address  Actual  Template
 116CC     A       8
 12FDE     0       FF
 12FDF     7       FF
 13003     0       1
 13007     0       1
 1300B     1       10
 17FFF     FD      FF
           0 differences found in E2PROM area
           0 differences found in RAM2 area
           0 differences found in PROM area
```