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Summary of Anomalies:

station info  
 KS orbit 47515 EGOI data missing 11:49:56 - 12:03:22  
 MA orbit 47521 EGOI data missing 21:34:46 - 21:47:38  
 GS orbit 47509 EGOI data gap 01:31:51 - 01:37:24

instrument info

EGOI

- 1 - anomalous low values for channel\_4 readouts  
 anomalous values for channel summation and 780 m Uncal.  
 Intensity plot.  
 Anomalous behaviour during orbits 47451 - 47522  
 18-May-2004 until 22-May-2004 contiguously
- 2 - anomalous values for FPA Temperatures (all channels)  
 instead of stable value ~235 K, varying sinusoidal between  
 230 and ~238 K, since 21-May-2004, ~14:00, orbit 47502 holding  
 on until the end of the day orbit 47522  
 anomalous values for Peltier I, II, III and IV since  
 21-May-2003, 14:00 orbit 47502  
 value varying between 0 and - 8419 (nominal would be ~-1)  
 anomalous values for  
 DDHU Temp, increasing from ~295K to ~305K during orb. 47502-522  
 Optical Bench Temp. increasing from ~282K to 290K, orb.47502-522  
 Other Temp. B increasing from ~275K to ~290K, orb. 47502-522
- 3 - complete solar calibration measurements available  
 start time 18:25:47.63 , orbit 47519 (8th KS orbit),  
 (increase of intensity of PMD readouts during available  
 solar calibration measurements data:  
 15420 BU ->PMD2 readouts analysed with ERGO.

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 GOME Daily Reports Analysis            22 May            2004  
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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	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	instead of stable value ~235 K, varying sinusoidal between 230 and ~238 K
FPA Temperatures B	instead of stable value ~235 K, varying sinusoidal between 230 and ~238 K
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	anomalous values see above
Optical Bench Temperatures	anomalous values see above
Other Temperatures B	anomalous values see above
Calibr. Lamp and Instr. Status 3	OK
Scan Mirror Motor Current	OK
Selected Temperature A	anomalous values see above
Selected Temperature B	anomalous values see above
Selected Temperature C	anomalous values see above
Channel 1 Summation	OK

Channel 2 Summation	OK
Channel 4 Summation	anomalous low values, see above
Log pages	OK
331/318 nm Uncal. Line Ratio	OK
Uncal. PMDs as RGB signal	OK
780 nm Uncal. Intensity	anomalous low values, see above