```
********************************************************************************
Summary of Anomalies:
station info

HO orbit 71470 EGOI data missing 21-DEC-2008 00:26:14.531 - 21-DEC-2008 00:40:52.433        877.90200 [sec]
MM orbit 71470 EGOI data missing 21-DEC-2008 00:38:01.974 - 21-DEC-2008 00:48:55.771        653.79700 [sec]
BE orbit 71471 EGOI data missing 21-DEC-2008 01:45:58.001 - 21-DEC-2008 01:56:45.761        647.76000 [sec]
MM orbit 71471 EGOI data missing 21-DEC-2008 02:20:28.256 - 21-DEC-2008 02:29:15.850        527.59400 [sec]
GS orbit 71471 EGOI data missing 21-DEC-2008 01:20:57.675 - 21-DEC-2008 01:32:14.677        677.00200 [sec]
BE orbit 71472 EGOI data missing 21-DEC-2008 03:24:28.804 - 21-DEC-2008 03:37:42.073        793.26900 [sec]
MM orbit 71472 EGOI data missing 21-DEC-2008 04:03:32.956 - 21-DEC-2008 04:10:04.034        391.07800 [sec]
MI orbit 71472 EGOI data missing 21-DEC-2008 02:53:58.183 - 21-DEC-2008 03:06:41.983        763.80000 [sec]
GS orbit 71472 EGOI data missing 21-DEC-2008 02:58:24.572 - 21-DEC-2008 03:12:20.171        835.59900 [sec]
SG orbit 71472 EGOI data missing 21-DEC-2008 03:35:25.381 - 21-DEC-2008 03:49:16.037        830.65600 [sec]
CM orbit 71472 EGOI data missing 21-DEC-2008 02:54:50.709 - 21-DEC-2008 03:03:19.574        508.86500 [sec]
CM orbit 71472 EGOI data missing 21-DEC-2008 04:32:03.568 - 21-DEC-2008 04:44:00.160        716.59200 [sec]
MM orbit 71473 EGOI data missing 21-DEC-2008 05:46:05.675 - 21-DEC-2008 05:51:58.275        352.60000 [sec]
MI orbit 71473 EGOI data missing 21-DEC-2008 04:34:18.594 - 21-DEC-2008 04:45:06.566        647.97200 [sec]
GS orbit 71473 EGOI data missing 21-DEC-2008 04:40:49.138 - 21-DEC-2008 04:50:20.304        571.16600 [sec]
MM orbit 71474 EGOI data missing 21-DEC-2008 07:27:19.336 - 21-DEC-2008 07:34:58.861        459.52500 [sec]
KS orbit 71474 EGOI data missing 21-DEC-2008 06:40:08.953 - 21-DEC-2008 06:48:33.201        504.24800 [sec]
JO orbit 71474 EGOI data missing 21-DEC-2008 07:06:18.729 - 21-DEC-2008 07:18:53.027        754.29800 [sec]
MM orbit 71475 EGOI data missing 21-DEC-2008 09:07:49.540 - 21-DEC-2008 09:17:48.735        599.19500 [sec]
JO orbit 71475 EGOI data missing 21-DEC-2008 08:44:15.556 - 21-DEC-2008 08:58:53.511        877.95500 [sec]
MM orbit 71476 EGOI data missing 21-DEC-2008 10:48:00.879 - 21-DEC-2008 10:59:42.364        701.48500 [sec]
MM orbit 71477 EGOI data missing 21-DEC-2008 12:27:58.705 - 21-DEC-2008 12:40:31.469        752.76400 [sec]
MA orbit 71477 EGOI data missing 21-DEC-2008 11:48:56.294 - 21-DEC-2008 11:54:34.569        338.27500 [sec]
HO orbit 71478 EGOI data missing 21-DEC-2008 14:16:36.880 - 21-DEC-2008 14:29:24.320        767.44000 [sec]
MM orbit 71478 EGOI data missing 21-DEC-2008 14:07:42.201 - 21-DEC-2008 14:20:25.992        763.79100 [sec]
BE orbit 71479 EGOI data missing 21-DEC-2008 14:41:20.449 - 21-DEC-2008 14:54:19.234        778.78500 [sec]
MM orbit 71479 EGOI data missing 21-DEC-2008 15:47:09.569 - 21-DEC-2008 15:59:45.677        756.10800 [sec]
SG orbit 71479 EGOI data missing 21-DEC-2008 16:10:46.512 - 21-DEC-2008 16:23:21.051        754.53900 [sec]
CM orbit 71479 EGOI data missing 21-DEC-2008 15:18:21.652 - 21-DEC-2008 15:26:52.076        510.42400 [sec]
MM orbit 71480 EGOI data missing 21-DEC-2008 17:26:22.234 - 21-DEC-2008 17:38:53.855        751.62100 [sec]
CM orbit 71480 EGOI data missing 21-DEC-2008 16:56:00.554 - 21-DEC-2008 17:07:51.866        711.31200 [sec]
MM orbit 71481 EGOI data missing 21-DEC-2008 19:05:30.784 - 21-DEC-2008 19:18:09.029        758.24500 [sec]
JO orbit 71481 EGOI data missing 21-DEC-2008 19:26:22.091 - 21-DEC-2008 19:37:40.450        678.35900 [sec]
MM orbit 71482 EGOI data missing 21-DEC-2008 20:44:55.779 - 21-DEC-2008 20:57:39.673        763.89400 [sec]
MA orbit 71482 EGOI data missing 21-DEC-2008 19:44:18.176 - 21-DEC-2008 19:56:44.563        746.38700 [sec]
JO orbit 71482 EGOI data missing 21-DEC-2008 21:04:08.736 - 21-DEC-2008 21:19:00.571        891.83500 [sec]
HO orbit 71483 EGOI data missing 21-DEC-2008 22:18:01.538 - 21-DEC-2008 22:29:37.365        695.82700 [sec]
MM orbit 71483 EGOI data missing 21-DEC-2008 22:25:00.574 - 21-DEC-2008 22:37:26.373        745.79900 [sec]
JO orbit 71483 EGOI data missing 21-DEC-2008 22:46:48.375 - 21-DEC-2008 22:53:00.618        372.24300 [sec]
HO orbit 71484 EGOI data missing 21-DEC-2008 23:55:08.667 - 22-DEC-2008 00:09:38.959        870.29200 [sec]
KS orbit 71475 EGOI data gap     21-DEC-2008 08:19:27.320 - 21-DEC-2008 08:28:44.502        557.18200 [sec]
KS orbit 71476 EGOI data gap     21-DEC-2008 09:59:04.846 - 21-DEC-2008 10:00:24.042        79.196000 [sec]
KS orbit 71477 EGOI data gap     21-DEC-2008 11:38:35.795 - 21-DEC-2008 11:39:56.149        80.354000 [sec]
KS orbit 71478 EGOI data gap     21-DEC-2008 13:17:42.385 - 21-DEC-2008 13:19:02.762        80.377000 [sec]
KS orbit 71479 EGOI data gap     21-DEC-2008 14:56:18.661 - 21-DEC-2008 14:57:43.877        85.216000 [sec]
KS orbit 71480 EGOI data gap     21-DEC-2008 16:33:55.998 - 21-DEC-2008 16:35:18.998        83.000000 [sec]
KS orbit 71481 EGOI data gap     21-DEC-2008 18:11:46.608 - 21-DEC-2008 18:13:18.114        91.506000 [sec]
MS orbit 71476 EGOI data gap     21-DEC-2008 10:14:00.793 - 21-DEC-2008 10:15:24.128        83.335000 [sec]
MS orbit 71477 EGOI data gap     21-DEC-2008 11:51:27.497 - 21-DEC-2008 11:52:57.731        90.234000 [sec]
MA orbit 71483 EGOI data gap     21-DEC-2008 21:23:11.240 - 21-DEC-2008 21:24:35.839        84.599000 [sec]
SG orbit 71478 EGOI data gap     21-DEC-2008 14:32:04.158 - 21-DEC-2008 14:34:00.227        116.06900 [sec]

instrument info
EGOI    1 - GOME unpowered (see unavailability report ER-UNA-2008/042).
            No data available starting from 20-DEC-2008, 22:08:10, orbit 71469
            until 21-DEC-2008,  orbit 71475, 08:28:44

  - coolers off, from 20-DEC-2008 ~ 22:08 to 21-DEC-2008, 10:11:45.105
             detector temperatures out of range
                (max warm up channel 1 267.6)
                (max warm up channel 2 268.5)
                (max warm up channel 3 268.4)
                (max warm up channel 4 268.6)
```

- TST 44 started at ~10:00:24 (exact start time not available due
to limited gs visibility), orbit 71476
- Lamp Calibration sequence
start before 10:00:24 (exact start time not available due
to limited gs visibility), stop 10:02:06.050, voltage at ~ 180 (nominal would be ~198 V)
- Lamp Calibration sequence
start 10:09:46.597 - stop 10:11:43.609,
(voltage stable at 197.8 V)

- solar calibration mode with warm detectors (T=~264),
start time 10:05:49.570, orbit 71477,
(increase of intensity of PMD readouts during available
solar calibration measurements data:
15703 BU ->PMD2 readouts analysed with ERGO.

- MPS resumed ~10:11:50

2 - complete solar calibration measurements available
start time 11:46:26.180, orbit 71477,
(increase of intensity of PMD readouts during available
solar calibration measurements data:
15711 BU ->PMD2 readouts analysed with ERGO.

3 - data are nominal, besides the occurrence of padded frames in
channel 4 (frame 20)
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GOME Daily Reports Analysis 21 DEC 2008

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	Temperatures out of range
FPA Temperatures B	Temperatures out of range
Charge Amp Temperatures	OK
Other Temperatures A	Temperatures out of range
DDHU Temperatures	Temperatures out of range
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibr. Lamp and Instr. Status 3	OK
Scan Mirror Motor Current	OK
Selected Temperature A	Temperatures out of range
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