```
    ************************************************************************
         Quarterly Calibration mode between ~19:30 - 23:30
         (Orb. 69392 - 69394)

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

MM orbit 69380 EGOI data missing 28-JUL-2008 00:26:23.452 - 28-JUL-2008 00:37:28.817        665.36500 [sec]
MM orbit 69381 EGOI data missing 28-JUL-2008 02:08:43.049 - 28-JUL-2008 02:17:46.838        543.78900 [sec]
CM orbit 69382 EGOI data missing 28-JUL-2008 02:44:32.018 - 28-JUL-2008 02:51:09.979        397.96100 [sec]
CM orbit 69382 EGOI data missing 28-JUL-2008 04:20:32.656 - 28-JUL-2008 04:32:48.589        735.93300 [sec]
BE orbit 69383 EGOI data missing 28-JUL-2008 04:54:04.272 - 28-JUL-2008 05:02:21.703        497.43100 [sec]
MM orbit 69384 EGOI data missing 28-JUL-2008 07:15:48.177 - 28-JUL-2008 07:23:11.648        443.47100 [sec]
MM orbit 69385 EGOI data missing 28-JUL-2008 08:56:21.549 - 28-JUL-2008 09:06:06.023        584.47400 [sec]
MA orbit 69385 EGOI data missing 28-JUL-2008 08:17:23.181 - 28-JUL-2008 08:28:16.337        653.15600 [sec]
MM orbit 69386 EGOI data missing 28-JUL-2008 10:36:34.566 - 28-JUL-2008 10:48:06.980        692.41400 [sec]
MA orbit 69386 EGOI data missing 28-JUL-2008 09:55:44.060 - 28-JUL-2008 10:08:50.664        786.60400 [sec]
MA orbit 69387 EGOI data missing 28-JUL-2008 11:37:06.347 - 28-JUL-2008 11:44:17.137        430.79000 [sec]
MM orbit 69388 EGOI data missing 28-JUL-2008 13:56:19.163 - 28-JUL-2008 14:09:03.097        763.93400 [sec]
BE orbit 69389 EGOI data missing 28-JUL-2008 14:29:48.999 - 28-JUL-2008 14:43:02.854        793.85500 [sec]
MM orbit 69389 EGOI data missing 28-JUL-2008 15:35:48.415 - 28-JUL-2008 15:48:25.582        757.16700 [sec]
MI orbit 69389 EGOI data missing 28-JUL-2008 15:03:10.533 - 28-JUL-2008 15:14:39.543        689.01000 [sec]
MM orbit 69390 EGOI data missing 28-JUL-2008 17:15:02.435 - 28-JUL-2008 17:27:33.970        751.53500 [sec]
JO orbit 69391 EGOI data missing 28-JUL-2008 19:15:40.486 - 28-JUL-2008 19:25:29.038        588.55200 [sec]
MM orbit 69392 EGOI data missing 28-JUL-2008 20:33:32.463 - 28-JUL-2008 20:46:16.465        764.00200 [sec]
MA orbit 69392 EGOI data missing 28-JUL-2008 19:33:20.529 - 28-JUL-2008 19:45:07.505        706.97600 [sec]
JO orbit 69392 EGOI data missing 28-JUL-2008 20:52:45.115 - 28-JUL-2008 21:07:45.235        900.12000 [sec]
HO orbit 69393 EGOI data missing 28-JUL-2008 22:07:17.688 - 28-JUL-2008 22:18:02.328        644.64000 [sec]
MM orbit 69393 EGOI data missing 28-JUL-2008 22:13:31.654 - 28-JUL-2008 22:26:01.437        749.78300 [sec]
MA orbit 69393 EGOI data missing 28-JUL-2008 21:11:40.297 - 28-JUL-2008 21:24:56.374        796.07700 [sec]
JO orbit 69393 EGOI data missing 28-JUL-2008 22:34:29.852 - 28-JUL-2008 22:43:00.448        510.59600 [sec]
HO orbit 69394 EGOI data missing 28-JUL-2008 23:43:52.510 - 28-JUL-2008 23:58:16.068        863.55800 [sec]
MM orbit 69394 EGOI data missing 28-JUL-2008 23:54:26.976 - 29-JUL-2008 00:06:00.620        693.64400 [sec]
KS orbit 69385 EGOI data gap     28-JUL-2008 08:08:04.610 - 28-JUL-2008 08:09:13.487        68.877000 [sec]
KS orbit 69386 EGOI data gap     28-JUL-2008 09:47:41.712 - 28-JUL-2008 09:48:51.594        69.882000 [sec]
KS orbit 69387 EGOI data gap     28-JUL-2008 11:27:14.273 - 28-JUL-2008 11:28:29.692        75.419000 [sec]
KS orbit 69388 EGOI data gap     28-JUL-2008 13:06:24.641 - 28-JUL-2008 13:07:34.798        70.157000 [sec]
KS orbit 69389 EGOI data gap     28-JUL-2008 14:45:06.037 - 28-JUL-2008 14:46:20.393        74.356000 [sec]
KS orbit 69390 EGOI data gap     28-JUL-2008 16:22:45.998 - 28-JUL-2008 16:24:01.487        75.489000 [sec]
KS orbit 69391 EGOI data gap     28-JUL-2008 18:00:34.577 - 28-JUL-2008 18:02:05.074        90.497000 [sec]
MS orbit 69387 EGOI data gap     28-JUL-2008 11:40:10.124 - 28-JUL-2008 11:41:26.770        76.646000 [sec]
MS orbit 69388 EGOI data gap     28-JUL-2008 13:21:33.754 - 28-JUL-2008 13:22:46.884        73.130000 [sec]
MI orbit 69390 EGOI data gap     28-JUL-2008 16:48:54.132 - 28-JUL-2008 16:54:23.640        329.50800 [sec]
BE orbit 69382 EGOI data gap     28-JUL-2008 03:13:04.809 - 28-JUL-2008 03:14:19.213        74.404000 [sec]
SG orbit 69388 EGOI data gap     28-JUL-2008 14:30:36.794 - 28-JUL-2008 14:31:59.526        82.732000 [sec]
SG orbit 69389 EGOI data gap     28-JUL-2008 15:59:08.746 - 28-JUL-2008 16:00:34.342        85.596000 [sec]
SG orbit 69389 EGOI data gap     28-JUL-2008 16:07:20.882 - 28-JUL-2008 16:12:19.648        298.76600 [sec]
JO orbit 69384 EGOI data gap     28-JUL-2008 06:55:33.908 - 28-JUL-2008 06:57:08.556        94.648000 [sec]
JO orbit 69385 EGOI data gap     28-JUL-2008 08:32:45.772 - 28-JUL-2008 08:34:48.143        122.37100 [sec]

instrument info
EGOI     1 - Calibration lamp instabilities:
           orbit 69393
             lampcal mode start 21:27:54  stop 21:34:47  (no visbility gs)
             some values at ca. 180 (nominal would be 198 V)
             orbit 69394
             lampcal mode start 22:50:18 (no visbility gs) stop 22:56:16
             some values at ca. 180 (nominal would be 198 V)

          GOOD CALIBRATION
          orbit 69392
         start at 19:47:21  stop at 19:57:19
         (voltage stable at ~198 V)
          orbit 69394
         start at 23:08:32  stop at 23:14:23 (no visbility gs)
         (voltage stable at ~198 V)
```

two GOOD Lamp cal measurements available

2 - complete solar calibration measurements available
start time 18:04:26.089, orbit 69391,
(increase of intensity of PMD readouts during available
solar calibration measurements data:
14821 BU ->PMD2 readouts analysed with ERGO.
3 - data are nominal, besides the occurrence of padded frames in
channel 4 (frame 20) over a few orbits (limited area over the
North Pole)

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GOME Daily Reports Analysis 28 JUL 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	>> GOME North Polar View operated timeline GMNNOT41 executed Orbs. 69392-69394, ~19:30 - 23:30
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	OK
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