```
    ************************************************************************
         Quarterly Calibration mode between ~00:00-06:00
         (Orb. 64155-64158)
         (please note that Lamp Failures occurred during quarterly
        calibration measurements)
    ************************************************************************
************************************************************************
Summary of Anomalies:
station info

HO orbit 64156 EGOI data missing 29-JUL-2007 01:27:36.478 - 29-JUL-2007 01:39:37.584        721.10600 [sec]
BE orbit 64157 EGOI data missing 29-JUL-2007 02:44:42.656 - 29-JUL-2007 02:58:01.413        798.75700 [sec]
BE orbit 64158 EGOI data missing 29-JUL-2007 04:24:50.994 - 29-JUL-2007 04:35:38.345        647.35100 [sec]
MM orbit 64159 EGOI data missing 29-JUL-2007 06:46:57.538 - 29-JUL-2007 06:53:43.500        405.96200 [sec]
KS orbit 64159 EGOI data missing 29-JUL-2007 06:00:56.052 - 29-JUL-2007 06:06:04.008        307.95600 [sec]
MM orbit 64160 EGOI data missing 29-JUL-2007 08:27:40.458 - 29-JUL-2007 08:36:46.095        545.63700 [sec]
HO orbit 64162 EGOI data missing 29-JUL-2007 11:57:24.814 - 29-JUL-2007 12:10:38.132        793.31800 [sec]
HO orbit 64163 EGOI data missing 29-JUL-2007 13:36:22.910 - 29-JUL-2007 13:50:57.617        874.70700 [sec]
BE orbit 64164 EGOI data missing 29-JUL-2007 14:01:18.837 - 29-JUL-2007 14:14:42.893        804.05600 [sec]
HO orbit 64164 EGOI data missing 29-JUL-2007 15:17:38.207 - 29-JUL-2007 15:25:29.826        471.61900 [sec]
MM orbit 64164 EGOI data missing 29-JUL-2007 15:07:24.617 - 29-JUL-2007 15:20:04.478        759.86100 [sec]
BE orbit 64165 EGOI data missing 29-JUL-2007 15:43:23.799 - 29-JUL-2007 15:52:33.435        549.63600 [sec]
MA orbit 64167 EGOI data missing 29-JUL-2007 19:08:33.309 - 29-JUL-2007 19:15:54.617        441.30800 [sec]
MA orbit 64168 EGOI data missing 29-JUL-2007 20:42:54.081 - 29-JUL-2007 20:56:36.203        822.12200 [sec]
HO orbit 64169 EGOI data missing 29-JUL-2007 23:15:43.070 - 29-JUL-2007 23:29:47.266        844.19600 [sec]
MM orbit 64169 EGOI data missing 29-JUL-2007 23:25:30.396 - 29-JUL-2007 23:37:25.219        714.82300 [sec]
MA orbit 64169 EGOI data missing 29-JUL-2007 22:26:36.300 - 29-JUL-2007 22:34:29.665        473.36500 [sec]

instrument info

EGOI

     1 - LAMP FAILURES  occurred during quarterly calibration sequence: (10 visible)
       orbit 64155
        start before 23:56:09 (no visbility gs) - 00:02:48
      orbit 64156
           start before 00:33:09 (no visbility gs) - 00:38:14
       orbit 64156
           start before 01:37:56 (no visbility gs) - 01:43:27
       orbit 64157
           start before 02:18:34 (no visbility gs) - 02:18:52
       orbit 64157
           02:31:06 - 02:31:22
       orbit 64157
           start 02:56:06 - end after 03:05:31 (no visbility gs)
       orbit 64157
           start before 03:20:35 (no visbility gs) - 03:24:04
       orbit 64158
           start before 03:53:38 (no visbility gs) - 03:59:30
      orbit 64158
            04:36:42  - 04:36:59
      orbit 64158
           start before 05:03:05 (no visbility gs) - 05:04:40

Calibration lamp instabilities:
    orbit 64156
       lampcal mode start 00:50:33 stop after 00:51:56 (no visbility gs)
       voltage at ca. 180 V (nominal would be 198 V)
       orbit 64158
       lampcal mode start 04:11:41 stop after 04:11:45 (no visbility gs)
       voltage at ca. 177 V (nominal would be 198 V)

  no GOOD Lamp cal measurement available

2 - complete solar calibration measurements available
       start time 19:14:50.630, orbit 64167,
       (increase of intensity of PMD readouts during available
```

            solar calibration measurements data:
            14980 BU ->PMD2 readouts analysed with ERGO.
****

   GOME Daily Reports Analysis   29 Jul   2007

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	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