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

KS orbit 50682 EGOI data gap     17:40:07 - 17:51:13
GS orbit 50682 EGOI data missing 17:53:35 - 18:03:24
MA orbit 50683 EGOI data missing 19:13:16 - 19:21:17
KS orbit 50683 EGOI data gap     19:16:39 - 19:21:39
MA orbit 50684 EGOI data gap     20:53:19 - 21:02:17
MA orbit 50685 EGOI data missing 22:32:49 - 22:39:50

instrument info
EGOI
update

        1 - ERS-2 IDHT is in Standby Mode (ER2-UNA- 2004/034)
             Standby mode start: 26-DEC-2004 00:27:29
             GOME unavailability between 26-DEC-2004 00:27:29 -
                                         29-DEC-2004 09:31:00
             no EGOI data:

                 MS orbit 50672 00:40:14 - 00:48:49
                 GS orbit 50672 00:48:42 - 00:57:26
                 GS orbit 50673 02:25:50 - 02:38:11
                 GS orbit 50674 04:04:57 - 04:17:09
                 PS orbit 50675 05:47:23 - 06:00:22
                 KS orbit 50675 06:06:28 - 06:12:13
                 KS orbit 50676 07:45:19 - 07:57:00
                 MA orbit 50676 07:55:59 - 08:01:45
                 KS orbit 50677 09:24:55 - 09:31:00

                TST44 started  at ca. 11:00, orbit 50678
                two lamp calibration sequences WITHOUT LAMP FAILURE
                   orbit 50678, 11:04:47 - 11:06:41
                                11:14:23 - 11:16:20
              solar calibration measurements with warm detectors:
              start at  11:10:23.68, (T= 261 K)
              (increase of intensity of PMD readouts during solar calibration
              measurements data:
              16291 BU -> PMD2 readouts analysed with ERGO.)

             Cooler switchings between
              26-Dec-2004, 00:27:29  -  29-Dec-2004 11:16:20, orb. 50629-677
                    max warm up of detectors 264.2 K

             back to MPS ~12:00

      2 - GOME anomaly
             - 3xNack flag set, orbit 50684, 21:06:25 - 21:06:29
                           orbit 50685, 22:26:35 until end of day

             - Comm Error flag set, orbit 50683-84,   19:21:39 - 21:06:25

        3 -  GOME power cycle performed at 22:19:42 (to cure anomaly (see point 2)

              TST44 started  at ca. 21:00, orbit 50684
              two lamp calibration sequences without LAMP FAILURE,
                 but calibration lamp instability in 1st sequence
              (voltage drops down from ~198 V to ~180V after a few seconds after lamp ignition)
                 orbit 50678, 21:08:20 - 11:06:41
                               21:18:02 - ~21:20:22
              solar calibration measurements with warm detectors:
              start at  21:14:02.80, (T= 258 K)
              (increase of intensity of PMD readouts during solar calibration
              measurements data:
              16175 BU -> PMD2 readouts analysed with ERGO.)

             Cooler switchings between
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            29-Dec-2004, 19:21:39  -  29-Dec-2004 21:19:10, orb. 50683-684
                  max warm up of detectors 264.2 K

           back to MPS ~21:30


      4 - complete solar calibration measurements available
             start time 12:51  , orbit 50679 (th KS orbit),
             (increase of intensity of PMD readouts during available
             solar calibration measurements data:
             16093BU ->PMD2 readouts analysed with ERGO.
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-------------------------------------------------------------------------------
   GOME Daily Reports Analysis   29 DEC 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                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
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