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*****************************************************************
         NARROW SWATH TIMELINE GMNNOT41 (see GOME anomaly below)
*****************************************************************
*************************************************************************
Summary of Anomalies:
station info

MM orbit 69924 EGOI data missing 04-SEP-2008 00:32:12.605 - 04-SEP-2008 00:43:12.271       659.66600 [sec]
HO orbit 69925 EGOI data missing 04-SEP-2008 02:04:47.915 - 04-SEP-2008 02:12:07.009       439.09400 [sec]
MM orbit 69925 EGOI data missing 04-SEP-2008 02:14:35.578 - 04-SEP-2008 02:23:31.304       535.72600 [sec]
MM orbit 69926 EGOI data missing 04-SEP-2008 03:57:39.544 - 04-SEP-2008 04:04:17.110       397.56600 [sec]
MI orbit 69926 EGOI data missing 04-SEP-2008 02:48:26.574 - 04-SEP-2008 03:00:56.223       749.64900 [sec]
MM orbit 69927 EGOI data missing 04-SEP-2008 05:40:16.325 - 04-SEP-2008 05:46:06.537       350.21200 [sec]
MI orbit 69927 EGOI data missing 04-SEP-2008 04:28:21.462 - 04-SEP-2008 04:39:38.977       677.51500 [sec]
MM orbit 69928 EGOI data missing 04-SEP-2008 07:21:33.825 - 04-SEP-2008 07:29:05.274       451.44900 [sec]
MM orbit 69929 EGOI data missing 04-SEP-2008 09:02:05.573 - 04-SEP-2008 09:11:57.473       591.90000 [sec]
JO orbit 69929 EGOI data missing 04-SEP-2008 08:38:30.063 - 04-SEP-2008 08:53:16.633       886.57000 [sec]
MM orbit 69930 EGOI data missing 04-SEP-2008 10:42:17.743 - 04-SEP-2008 10:53:54.780       697.03700 [sec]
MM orbit 69931 EGOI data missing 04-SEP-2008 12:22:16.339 - 04-SEP-2008 12:34:47.426       751.08700 [sec]
MA orbit 69931 EGOI data missing 04-SEP-2008 11:42:55.029 - 04-SEP-2008 11:49:28.170       393.14100 [sec]
BE orbit 69932 EGOI data missing 04-SEP-2008 12:57:21.423 - 04-SEP-2008 13:08:49.659       688.23600 [sec]
MM orbit 69932 EGOI data missing 04-SEP-2008 14:02:00.709 - 04-SEP-2008 14:14:44.605       763.89600 [sec]
BE orbit 69933 EGOI data missing 04-SEP-2008 14:35:34.168 - 04-SEP-2008 14:48:41.331       787.16300 [sec]
MM orbit 69933 EGOI data missing 04-SEP-2008 15:41:29.018 - 04-SEP-2008 15:54:05.651       756.63300 [sec]
MI orbit 69933 EGOI data missing 04-SEP-2008 15:08:40.687 - 04-SEP-2008 15:20:33.567       712.88000 [sec]
MM orbit 69934 EGOI data missing 04-SEP-2008 17:20:42.345 - 04-SEP-2008 17:33:13.901       751.55600 [sec]
MI orbit 69934 EGOI data missing 04-SEP-2008 16:47:48.005 - 04-SEP-2008 16:59:53.131       725.12600 [sec]
MM orbit 69935 EGOI data missing 04-SEP-2008 18:59:50.653 - 04-SEP-2008 19:12:28.353       757.70000 [sec]
MM orbit 69936 EGOI data missing 04-SEP-2008 20:39:14.056 - 04-SEP-2008 20:51:58.042       763.98600 [sec]
JO orbit 69936 EGOI data missing 04-SEP-2008 20:58:26.590 - 04-SEP-2008 21:13:23.462       896.87200 [sec]
HO orbit 69937 EGOI data missing 04-SEP-2008 22:12:38.580 - 04-SEP-2008 22:23:50.146       671.56600 [sec]
MM orbit 69937 EGOI data missing 04-SEP-2008 22:19:16.019 - 04-SEP-2008 22:31:43.882       747.86300 [sec]
JO orbit 69937 EGOI data missing 04-SEP-2008 22:40:35.773 - 04-SEP-2008 22:48:04.248       448.47500 [sec]
HO orbit 69938 EGOI data missing 04-SEP-2008 23:49:30.002 - 05-SEP-2008 00:03:57.667       867.66500 [sec]
KS orbit 69929 EGOI data gap     04-SEP-2008 08:13:45.938 - 04-SEP-2008 08:14:53.482        67.544000 [sec]
KS orbit 69930 EGOI data gap     04-SEP-2008 09:53:23.288 - 04-SEP-2008 09:54:31.585        68.297000 [sec]
KS orbit 69931 EGOI data gap     04-SEP-2008 11:32:55.071 - 04-SEP-2008 11:34:08.187        73.116000 [sec]
KS orbit 69932 EGOI data gap     04-SEP-2008 13:12:03.584 - 04-SEP-2008 13:13:11.788        68.204000 [sec]
KS orbit 69933 EGOI data gap     04-SEP-2008 14:50:43.082 - 04-SEP-2008 14:52:00.380        77.298000 [sec]
KS orbit 69934 EGOI data gap     04-SEP-2008 16:28:22.196 - 04-SEP-2008 16:29:38.469        76.273000 [sec]
KS orbit 69935 EGOI data gap     04-SEP-2008 18:06:09.644 - 04-SEP-2008 18:07:33.338        83.694000 [sec]
MS orbit 69930 EGOI data gap     04-SEP-2008 10:08:38.761 - 04-SEP-2008 10:09:48.178        69.417000 [sec]
MS orbit 69931 EGOI data gap     04-SEP-2008 11:45:49.134 - 04-SEP-2008 11:47:02.265        73.131000 [sec]
MS orbit 69932 EGOI data gap     04-SEP-2008 13:27:40.104 - 04-SEP-2008 13:29:19.379        99.275000 [sec]
MA orbit 69937 EGOI data gap     04-SEP-2008 21:17:25.247 - 04-SEP-2008 21:18:51.030        85.783000 [sec]
MA orbit 69930 EGOI data gap     04-SEP-2008 10:01:25.950 - 04-SEP-2008 10:03:09.139       103.18900 [sec]
MA orbit 69936 EGOI data gap     04-SEP-2008 19:38:48.825 - 04-SEP-2008 19:40:08.409        79.584000 [sec]
BE orbit 69926 EGOI data gap     04-SEP-2008 03:18:46.590 - 04-SEP-2008 03:20:00.703        74.113000 [sec]
SG orbit 69926 EGOI data gap     04-SEP-2008 03:29:44.372 - 04-SEP-2008 03:31:24.770       100.39800 [sec]
SG orbit 69926 EGOI data gap     04-SEP-2008 03:38:26.312 - 04-SEP-2008 03:43:37.314       311.00200 [sec]
SG orbit 69932 EGOI data gap     04-SEP-2008 14:26:40.284 - 04-SEP-2008 14:27:45.235        64.951000 [sec]
JO orbit 69928 EGOI data gap     04-SEP-2008 07:00:55.355 - 04-SEP-2008 07:03:15.554       140.19900 [sec]
JO orbit 69937 EGOI data gap     04-SEP-2008 22:40:35.773 - 04-SEP-2008 22:46:51.598       375.82500 [sec]

instrument info
EGOI    1 - GOME anomaly OOL (as communicated by ESOC),
             between orbits 69935 and 69938 (utc time ca. 18:00 until end of the day)
             - 3xNack flag set continuosly
             - scan mirror position set to 261.8 deg continuosly
             - scan motor temp. increased by ca 40 deg K
             - scan mirror temp.  increased by ca 10 deg K
              - scan unit temp.  increased by ca 20 deg K
             - scan motor current value at 64292 BU, instead ca. 38000
             - no narrow swath executed due to anomaly
             - no solar calibration measurements available
               as the scan mirror is not pointing in sun direction

            this anomaly was cured with GOME Power Cycle(GMN11) on 05/09/2008, at 02:01:37
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           orbit 69940 , data of day 05/09/2008, ca 02:30, orbit 69940 are nominal again

      2 - solar calibration measurements not useful (executed in orbit 69935)
            due to the GOME anomaly (scan mirror set to 261.8 degree)
        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)
*******************************************************************************

-------------------------------------------------------------------------------
    GOME Daily Reports Analysis             04 SEP            2008
-------------------------------------------------------------------------------

Station ID                  see above
MPH Product Confidence            OK
SPH Window Information            OK
Command Word Echo Summary         OK
Instrument Status 1A              >> GOME anomaly (see above)
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              >> Timeline GMNNOT41 executed
                                     GOME anomaly (see above)
Polarisation Detectors            OK
FPA Temperatures A                OK
FPA Temperatures B                OK
Charge Amp Temperatures           >> GOME anomaly (see above)
Other Temperatures A              >> GOME anomaly (see above)
DDHU Temperatures                 >> GOME anomaly (see above)
Optical Bench Temperatures        >> GOME anomaly (see above)
Other Temperatures B              >> GOME anomaly (see above)
Calibr. Lamp and Instr. Status 3  OK
Scan Mirror Motor Current         >> pattern not repeated due to execution of
                                     timeline GMNNOT41
                                     GOME anomaly (see above)
Selected Temperature A            >> GOME anomaly (see above)
Selected Temperature B            >> GOME anomaly (see above)
Selected Temperature C            >> GOME anomaly (see above)
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
```