

NARROW SWATH TIMELINE GMNNOT41 data available after anomaly

started at 12:00 orbit 57435

ended at ~18:00 orbit 57439

Summary of Anomalies:

station info

MM orbit 57428 EGOI data missing 01:10:07 - 01:20:25
 MM orbit 57429 EGOI data missing 02:52:50 - 03:00:52
 MM orbit 57430 EGOI data missing 04:35:54 - 04:41:56
 MM orbit 57431 EGOI data missing 06:18:01 - 06:24:16
 MM orbit 57432 EGOI data missing 07:58:57 - 08:07:22
 MM orbit 57433 EGOI data missing 09:39:20 - 09:49:57
 MA orbit 57433 EGOI data missing 08:59:58 - 09:12:24
 MM orbit 57434 EGOI data missing 11:19:27 - 11:31:30
 MM orbit 57435 EGOI data missing 12:59:20 - 13:12:00
 MM orbit 57436 EGOI data missing 14:38:59 - 14:51:41
 BE orbit 57437 EGOI data missing 15:13:27 - 15:25:05
 MM orbit 57437 EGOI data missing 16:18:21 - 16:30:55
 MM orbit 57438 EGOI data missing 17:57:31 - 18:10:04
 MM orbit 57439 EGOI data missing 19:36:42 - 19:49:23
 MM orbit 57440 EGOI data missing 21:16:17 - 21:28:59
 MA orbit 57440 EGOI data missing 20:14:47 - 20:28:33
 MM orbit 57434 EGOI data missing 11:19:27 - 11:31:30
 MM orbit 57435 EGOI data missing 12:59:20 - 13:12:00
 MM orbit 57436 EGOI data missing 14:38:59 - 14:51:41
 BE orbit 57437 EGOI data missing 15:13:27 - 15:25:05
 MM orbit 57437 EGOI data missing 16:18:21 - 16:30:55
 MM orbit 57438 EGOI data missing 17:57:31 - 18:10:04
 MM orbit 57439 EGOI data missing 19:36:42 - 19:49:23
 MM orbit 57440 EGOI data missing 21:16:17 - 21:28:59
 MA orbit 57440 EGOI data missing 20:14:47 - 20:28:33
 MM orbit 57441 EGOI data missing 22:56:39 - 23:08:50
 MA orbit 57441 EGOI data missing 21:55:51 - 22:07:08
 KS orbit 57428 EGOI data gap 00:23:44 - 00:24:51

instrument info

EGOI

1 - GOME anomalous behaviour during orbits 57427-57435

- 3xNack flag set
- scan mirror position set to 261.8 deg contiguously
- scan mirror current values high (65535 BU)
- thermal environment (besides detectors) increased by about 10K
- a - NARROW SWATH TIMELINE GMNNOT41 data available after anomaly
 started at 12:00 orbit 57435 ended at ~18:00 orbit 57439
 note that this anomalous flag setting went back to nominal afterwards
 in orbit 57435

2 - Gome Timeline 1 stopped and activated due to RA Emergency
 Switchdown due to Format Counter Errors (see ER2-UNA-2006/015)
 09:52:00 - 10:18:10

3 - complete solar calibration measurements available
 start time 18:48:55.936 , orbit 57439 (9th KS orbit),
 (increase of intensity of PMD readouts during available
 solar calibration measurements data:
 15550 BU ->PMD2 readouts analysed with ERGO.

GOME Daily Reports Analysis 15 Apr

2006

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	>>timeline GMNNOT41 available after anomaly start Orb. 57435 at 12:00 end orbit 57439 at ~18:00
North Polar View Operation	
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	>>pattern not repeated due to execution of timeline GMNNOT41
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