

Quarterly Calibration mode between ~14:00 - ~22:30)

(Orb. 56334-56339)

(please note that Lamp Failures occurred during all quarterly calibration measurements)

Summary of Anomalies:

station info

MM orbit 56325 EGOI data missing 23:48:39 - 00:00:17
 GS orbit 56326 EGOI data missing 00:35:33 - 00:42:46
 BE orbit 56328 EGOI data missing 04:16:09 - 04:27:29
 MM orbit 56328 EGOI data missing 04:56:26 - 05:02:17
 KS orbit 56329 EGOI data missing 05:52:41 - 05:56:43
 BE orbit 56333 EGOI data missing 12:17:09 - 12:25:03
 MM orbit 56333 EGOI data missing 13:19:17 - 13:32:00
 BE orbit 56334 EGOI data missing 13:52:50 - 14:06:10
 MM orbit 56334 EGOI data missing 14:58:53 - 15:11:33
 MI orbit 56334 EGOI data missing 14:28:29 - 14:35:04
 BE orbit 56335 EGOI data missing 15:34:18 - 15:44:23
 MM orbit 56335 EGOI data missing 16:38:12 - 16:50:44
 MI orbit 56335 EGOI data missing 16:04:46 - 16:18:08
 MM orbit 56336 EGOI data missing 18:17:20 - 18:29:54
 MI orbit 56336 EGOI data missing 17:47:23 - 17:52:32
 MM orbit 56337 EGOI data missing 19:56:34 - 20:09:17
 MA orbit 56337 EGOI data missing 19:00:51 - 19:05:59
 MM orbit 56338 EGOI data missing 21:36:17 - 21:48:56
 MA orbit 56338 EGOI data missing 20:34:25 - 20:48:06
 MM orbit 56339 EGOI data missing 23:16:50 - 23:28:50
 MA orbit 56339 EGOI data missing 22:17:25 - 22:26:22

instrument info

EGOI

- 1 - LAMP FAILURE no 173-181 occurred during quarterly calibration sequence
 - orbit 56334: lamp sequence went into Lamp Failure,
 - 173: lamp failure 14:18:04 - 14:27:46
(voltage reached only a value of about 178 V - nominal value is ca. 198V)
 - orbit 56335: lamp sequence went into Lamp Failure,
 - 174: lamp failure 15:58:39 - 16:08:22,
(voltage reached only a value of about 178 V - nominal value is ca. 198V)
 - orbit 56336: lamp sequence went into Lamp Failure,
 - 175: lamp failure stop 17:26:45 measurements from begin of lamp sequence not available as not at visibility of ground station
 - 176: lamp failure 17:39:16 - 17:48:59,
(voltage reached only a value of about 178 V - nominal value is ca. 198V)
 - orbit 56337: lamp sequence went into Lamp Failure,
 - 177: lamp failure stop 19:07:21
measurements from begin of lamp sequence not available as not at visibility of ground station
 - 178: lamp failure 19:19:51 - 19:29:34 (voltage dropped down to a value of about 180 V after a few seconds - nominal value is ca. 198V)
 - orbit 56338: lamp sequence went into Lamp Failure,
 - 179: lamp failure stop 20:47:56
measurements from begin of lamp sequence not available as not at visibility of ground station
 - 180: lamp failure 21:00:26 - measurements from end of lamp sequence not available as not at visibility of ground station
(voltage dropped down to a value of about 180 V after a few seconds - nominal value is ca. 198V)
 - orbit 56339: lamp sequence went into Lamp Failure,
 - 181: lamp failure started before 22:12:55 - ended at 22:28:31 (voltage dropped down to a value of about 180 V after a few seconds - nominal value is ca. 198V)
measurements from begin of lamp sequence not available as not at visibility of ground station
- 2 - complete solar calibration measurements available
 - start time 12:34:56.180 , orbit 56333 (5 th KS orbit),

(increase of intensity of PMD readouts during available
solar calibration measurements data:
15735 BU ->PMD2 readouts analysed with ERGO.

GOME Daily Reports Analysis 28 Jan 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	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	lamp failures (see above)
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