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 Quarterly Calibration mode between ~19:00 holding on until end of day  
 (Orb. 58928-58930 )  
 (please note that Lamp Failures occurred during quarterly  
 calibration measurements)  
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Summary of Anomalies:

station info

MM orbit 58916 EGOI data missing 00:00:14 - 00:11:43  
 BE orbit 58917 EGOI data missing 01:11:03 - 01:16:51  
 MM orbit 58917 EGOI data missing 01:42:18 - 01:51:57  
 BE orbit 58918 EGOI data missing 02:47:32 - 03:00:53  
 MM orbit 58918 EGOI data missing 03:25:14 - 03:32:32  
 BE orbit 58919 EGOI data missing 04:27:45 - 04:38:20  
 MM orbit 58919 EGOI data missing 05:08:09 - 05:13:56  
 MM orbit 58920 EGOI data missing 06:49:50 - 06:56:40  
 KS orbit 58920 EGOI data missing 06:03:42 - 06:09:09  
 MM orbit 58921 EGOI data missing 08:30:32 - 08:39:42  
 MA orbit 58921 EGOI data missing 07:52:55 - 07:59:48  
 MM orbit 58922 EGOI data missing 10:10:49 - 10:21:59  
 BE orbit 58924 EGOI data missing 12:27:42 - 12:36:50  
 BE orbit 58925 EGOI data missing 14:04:08 - 14:17:33  
 MM orbit 58925 EGOI data missing 15:10:15 - 15:22:54  
 BE orbit 58926 EGOI data missing 15:46:27 - 15:55:15  
 MM orbit 58926 EGOI data missing 16:49:32 - 17:02:04  
 MM orbit 58929 EGOI data missing 21:47:44 - 22:00:21  
 MA orbit 58929 EGOI data missing 20:45:44 - 20:59:26  
 MM orbit 58930 EGOI data missing 23:28:23 - 23:40:16  
 MA orbit 58930 EGOI data missing 22:29:42 - 22:37:10  
 MA orbit 58928 EGOI data gap 19:17:48 - 19:18:51

instrument info

EGOI 1 - LAMP FAILURE no 185 - 188 occurred during quarterly calibration

sequence

orbit 58929 :lamp sequence went into Lamp Failure,  
 185: lamp failure 21:01:02 - 21:07:53  
 (voltage reached only a value of about 179 V - nominal value is ca. 198V)  
 186: lamp failure 21:08:19 - 21:10:43  
 orbit 58930 :lamp sequence went into Lamp Failure,  
 187: lamp failure 22:26:58 - 22:29:04  
 188: lamp failure 22:41:39 - 22:47:32  
 (voltage reached only a value of about 179 V - nominal value is ca. 198V)  
 orbit 58928 : lamp sequence without lamp failure  
 19:20:12 - 19:20:30  
 without lamp instability  
 (but Lamp voltage dropped down suddenly at 19:20:35 to 178 V  
 instead of nominal staying at 198 V)  
 19:20:38 - 19:28:17  
 without lamp instability  
 19:28:20 - 19:30:08  
 without lamp instability

2 - Gome in Nadir static 14:19:41.030 - 16:24:31.270  
 orbits 58925 - 58926

1 - complete solar calibration measurements available  
 start time 17:37:19.710 , orbit 58927 (8 th KS orbit),  
 (increase of intensity of PMD readouts during available  
 solar calibration measurements data:  
 15150 BU ->PMD2 readouts analysed with ERGO.

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 GOME Daily Reports Analysis 28 Jul 2006  
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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