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Quarterly Calibration mode between ~13:30 ~22:00  
 (Orb. 72022-72027)  
 (note that Lamp Failures occurred during quarterly  
 calibration measurements)

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Summary of Anomalies:  
 station info

HO orbit 72014 EGOI data missing 28-JAN-2009 00:32:01.439 - 28-JAN-2009 00:46:32.320	870.88100 [sec]
MM orbit 72014 EGOI data missing 28-JAN-2009 00:43:51.555 - 28-JAN-2009 00:54:39.318	647.76300 [sec]
BE orbit 72015 EGOI data missing 28-JAN-2009 01:51:29.315 - 28-JAN-2009 02:02:42.855	673.54000 [sec]
MM orbit 72016 EGOI data missing 28-JAN-2009 04:09:26.264 - 28-JAN-2009 04:15:51.179	384.91500 [sec]
CM orbit 72016 EGOI data missing 28-JAN-2009 03:00:07.112 - 28-JAN-2009 03:09:18.137	551.02500 [sec]
MM orbit 72017 EGOI data missing 28-JAN-2009 05:51:54.730 - 28-JAN-2009 05:57:50.267	355.53700 [sec]
CM orbit 72017 EGOI data missing 28-JAN-2009 06:18:27.337 - 28-JAN-2009 06:30:09.918	702.58100 [sec]
MM orbit 72018 EGOI data missing 28-JAN-2009 07:33:04.714 - 28-JAN-2009 07:40:52.395	467.68100 [sec]
JO orbit 72018 EGOI data missing 28-JAN-2009 07:11:43.852 - 28-JAN-2009 07:24:42.468	778.61600 [sec]
MM orbit 72019 EGOI data missing 28-JAN-2009 09:13:33.449 - 28-JAN-2009 09:23:39.802	606.35300 [sec]
JO orbit 72019 EGOI data missing 28-JAN-2009 08:50:02.295 - 28-JAN-2009 09:04:29.540	867.24500 [sec]
HO orbit 72020 EGOI data missing 28-JAN-2009 11:05:10.969 - 28-JAN-2009 11:13:57.524	526.55500 [sec]
HO orbit 72021 EGOI data missing 28-JAN-2009 12:42:26.069 - 28-JAN-2009 12:57:09.791	883.72200 [sec]
MM orbit 72021 EGOI data missing 28-JAN-2009 12:33:41.022 - 28-JAN-2009 12:46:15.330	754.30800 [sec]
MA orbit 72021 EGOI data missing 28-JAN-2009 11:55:05.034 - 28-JAN-2009 11:59:33.743	268.70900 [sec]
HO orbit 72022 EGOI data missing 28-JAN-2009 14:22:22.822 - 28-JAN-2009 14:34:55.515	752.69300 [sec]
MM orbit 72022 EGOI data missing 28-JAN-2009 14:13:23.642 - 28-JAN-2009 14:26:07.266	763.62400 [sec]
MM orbit 72023 EGOI data missing 28-JAN-2009 15:52:50.070 - 28-JAN-2009 16:05:25.669	755.59900 [sec]
SG orbit 72023 EGOI data missing 28-JAN-2009 16:16:37.875 - 28-JAN-2009 16:28:49.138	731.26300 [sec]
CM orbit 72023 EGOI data missing 28-JAN-2009 15:23:40.965 - 28-JAN-2009 15:32:56.104	555.13900 [sec]
MM orbit 72024 EGOI data missing 28-JAN-2009 17:32:02.110 - 28-JAN-2009 17:44:33.836	751.72600 [sec]
CM orbit 72024 EGOI data missing 28-JAN-2009 17:01:46.927 - 28-JAN-2009 17:13:23.496	696.56900 [sec]
MM orbit 72025 EGOI data missing 28-JAN-2009 19:11:10.968 - 28-JAN-2009 19:23:49.758	758.79000 [sec]
JO orbit 72025 EGOI data missing 28-JAN-2009 19:31:47.021 - 28-JAN-2009 19:43:41.441	714.42000 [sec]
MM orbit 72026 EGOI data missing 28-JAN-2009 20:50:37.632 - 28-JAN-2009 21:03:21.355	763.72300 [sec]
MA orbit 72026 EGOI data missing 28-JAN-2009 19:49:48.546 - 28-JAN-2009 20:02:37.439	768.89300 [sec]
JO orbit 72026 EGOI data missing 28-JAN-2009 21:09:51.555 - 28-JAN-2009 21:24:36.544	884.98900 [sec]
HO orbit 72027 EGOI data missing 28-JAN-2009 22:23:26.251 - 28-JAN-2009 22:35:22.555	716.30400 [sec]
MM orbit 72027 EGOI data missing 28-JAN-2009 22:30:45.319 - 28-JAN-2009 22:43:08.910	743.59100 [sec]
KS orbit 72018 EGOI data gap 28-JAN-2009 06:45:47.761 - 28-JAN-2009 06:46:48.536	60.775000 [sec]
KS orbit 72019 EGOI data gap 28-JAN-2009 08:25:08.747 - 28-JAN-2009 08:26:41.650	92.903000 [sec]
KS orbit 72020 EGOI data gap 28-JAN-2009 10:04:46.381 - 28-JAN-2009 10:06:22.757	96.376000 [sec]
KS orbit 72021 EGOI data gap 28-JAN-2009 11:44:16.440 - 28-JAN-2009 11:45:56.361	99.921000 [sec]
KS orbit 72022 EGOI data gap 28-JAN-2009 13:23:21.042 - 28-JAN-2009 13:24:53.963	92.921000 [sec]
KS orbit 72023 EGOI data gap 28-JAN-2009 15:01:53.273 - 28-JAN-2009 15:03:38.063	104.79000 [sec]
KS orbit 72024 EGOI data gap 28-JAN-2009 16:39:29.825 - 28-JAN-2009 16:41:08.664	98.839000 [sec]
KS orbit 72025 EGOI data gap 28-JAN-2009 18:17:23.790 - 28-JAN-2009 18:19:10.763	106.97300 [sec]
KS orbit 72026 EGOI data gap 28-JAN-2009 19:56:28.501 - 28-JAN-2009 19:57:42.868	74.367000 [sec]
KS orbit 72027 EGOI data gap 28-JAN-2009 21:37:22.777 - 28-JAN-2009 21:38:32.987	70.210000 [sec]
GS orbit 72015 EGOI data gap 28-JAN-2009 01:26:24.285 - 28-JAN-2009 01:27:25.589	61.304000 [sec]
GS orbit 72016 EGOI data gap 28-JAN-2009 03:04:06.642 - 28-JAN-2009 03:05:06.687	60.045000 [sec]
GS orbit 72023 EGOI data gap 28-JAN-2009 15:13:37.424 - 28-JAN-2009 15:14:45.638	68.214000 [sec]
GS orbit 72024 EGOI data gap 28-JAN-2009 16:53:05.868 - 28-JAN-2009 16:54:16.242	70.374000 [sec]
MS orbit 72020 EGOI data gap 28-JAN-2009 10:19:26.526 - 28-JAN-2009 10:21:07.843	101.31700 [sec]
MS orbit 72021 EGOI data gap 28-JAN-2009 11:57:09.626 - 28-JAN-2009 11:58:50.443	100.81700 [sec]
MS orbit 72028 EGOI data gap 28-JAN-2009 23:06:23.804 - 28-JAN-2009 23:07:45.539	81.735000 [sec]
MA orbit 72027 EGOI data gap 28-JAN-2009 21:28:58.309 - 28-JAN-2009 21:30:34.437	96.128000 [sec]
BE orbit 72016 EGOI data gap 28-JAN-2009 03:30:11.453 - 28-JAN-2009 03:38:26.387	494.93400 [sec]
BE orbit 72023 EGOI data gap 28-JAN-2009 14:47:07.888 - 28-JAN-2009 14:48:51.473	103.58500 [sec]
BE orbit 72023 EGOI data gap 28-JAN-2009 14:52:10.993 - 28-JAN-2009 14:59:56.523	465.53000 [sec]
SG orbit 72016 EGOI data gap 28-JAN-2009 03:41:07.598 - 28-JAN-2009 03:43:54.922	167.32400 [sec]
SG orbit 72022 EGOI data gap 28-JAN-2009 14:37:30.284 - 28-JAN-2009 14:40:28.923	178.63900 [sec]

instrument info

EGOI 1 - LAMP FAILURES (no 248-249) occurred during quarterly calibration sequence:(2 visible)  
 orbit 72023  
 start 15:14:14 - stop 15:24:14

orbit 72026  
 start before 19:57:43 (no visibility gs) - stop 20:03:48

2 - Calibration lamp instabilities:

orbit 72022  
 lampcal mode start 14:43:06 stop 14:52:09  
 voltage at ca. 181 V (nominal would be 198 V)  
 orbit 72024  
 lampcal mode start before 16:41:09(no visibility gs) stop 16:42:37  
 voltage at ca. 181.5 V (nominal would be 198 V)  
 orbit 72024  
 lampcal mode start 16:54:49 stop 17:04:49  
 voltage at ca. 181.5 V (nominal would be 198 V)  
 orbit 72025  
 lampcal mode start before 18:19:11 (no visibility gs) stop 18:23:12  
 voltage at ca. 181.8 V (nominal would be 198 V)  
 orbit 72025  
 lampcal mode start 18:35:26 stop 18:45:26  
 voltage at ca. 181.5 V (nominal would be 198 V)  
 orbit 72026  
 lampcal mode start 20:16:02 stop after 20:24:18(no visibility gs)  
 voltage at ca. 181.5 V (nominal would be 198 V)  
 orbit 72027  
 lampcal mode start before 21:30:34 (no visibility gs) stop 21:44:24  
 voltage at ca. 182 V (nominal would be 198 V)

GOOD CALIBRATION

orbit 72022  
 start 13:33:39 stop after 13:37:41(no visibility gs)  
 (voltage stable at ca 198. V)  
 orbit 72022  
 start before 13:41:21(no visibility gs) stop after 13:42:24 (no visibility gs)  
 (voltage stable at ca 198. V)

two GOOD Lamp cal. measurements available

3 - complete solar calibration measurements available

start time 11:50:48.890, orbit 72021,  
 (increase of intensity of PMD readouts during available  
 solar calibration measurements data:  
 15255 BU ->PMD2 readouts analysed with ERGO.

4 - data are nominal, besides the occurrence of padded frames in  
 channel 4 (frames 19, 20) since 18-DEC-2008. This is due to ATSR IRR  
 switch-off; counter measures are expected in the next days.

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 GOME Daily Reports Analysis

28 JAN

2008  
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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	>> timeline GMNNOT41 executed Orbs. 70706-70711 ,~14:30 --23:30
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