

GOME Daily Report

SUMMARY

1. General Info
 - 1.1 Report Summary
 - 1.2 List of products used in this report
 - 1.3 List of data gaps
 - 1.4 List of missing products
 - 1.5 List of corrupted products
2. Instrument Indicators and Daily Plots
 - 2.1 Instrument Indicators Status
 - 2.2 Daily Plots
3. Instrument Calibration
 - 3.1 Solar Calibration (daily/TST44)
 - 3.2 Lamp Calibration (quarterly/TST44)
4. Instrument Anomalies
 - 4.1 Single Event Upset (SEU)
 - 4.2 Instrument Off
 - 4.3 Cooler Switchings
5. Instrument Operations
 - 5.1 Timeline Interruptions
 - 5.2 TST44
 - 5.3 Power Cycle
 - 5.4 Wrong Command Execution
 - 5.5 Narrow Swath Timeline
 - 5.6 Seasonal Operations

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Time of Report Generation	03-JUN-2009
Start Time of First Product	00:21:00
Stop Time of Last Product	14:32:19
Total Number of EGOI Products	27
Number of corrupted products	1
Anomalies and/or Special Operations	No data received after ca 14:30 UTC due to a dissemination problem

1.2 - Products used in this report

Name	Date	Time
EGOI_090603BEEP0059.E2	03-JUN-2009	02:33:08.309
EGOI_090603BEEP0066.E2	03-JUN-2009	04:12:47.919
EGOI_090603GSEP1520.E2	03-JUN-2009	02:06:45.649
EGOI_090603GSEP1547.E2	03-JUN-2009	03:46:23.754
EGOI_090603HLEP1077.E2	03-JUN-2009	01:15:07.839
EGOI_090603KSEP4664.E2	03-JUN-2009	07:27:20.594
EGOI_090603KSEP4698.E2	03-JUN-2009	09:07:21.204
EGOI_090603KSEP4724.E2	03-JUN-2009	10:47:00.813
EGOI_090603KSEP4754.E2	03-JUN-2009	12:26:20.915

EGOI_090603KSEP4781.E2	03-JUN-2009	14:05:18.512
EGOI_090603MAEP0238.E2	03-JUN-2009	10:54:38.356
EGOI_090603MIEP0070.E2	03-JUN-2009	02:04:06.633
EGOI_090603MIEP0091.E2	03-JUN-2009	03:41:26.723
EGOI_090603MIEP0108.E2	03-JUN-2009	05:25:06.356
EGOI_090603MIEP0124.E2	03-JUN-2009	14:24:26.126
EGOI_090603MMEP4750.E2	02-JUN-2009	23:44:34.284
EGOI_090603MMEP4756.E2	03-JUN-2009	01:26:01.905
EGOI_090603MMEP4762.E2	03-JUN-2009	03:08:32.524
EGOI_090603MMEP4772.E2	03-JUN-2009	08:14:26.879
EGOI_090603MMEP4780.E2	03-JUN-2009	09:55:00.493
EGOI_090603MMEP4788.E2	03-JUN-2009	11:35:17.606
EGOI_090603MMEP4795.E2	03-JUN-2009	13:15:01.708
EGOI_090603MSEP5594.E2	03-JUN-2009	00:21:00.011
EGOI_090603MSEP5618.E2	03-JUN-2009	11:00:15.891
EGOI_090603MSEP5645.E2	03-JUN-2009	12:39:44.997
EGOI_090603SGEP7358.E2	03-JUN-2009	02:44:42.879
EGOI_090603SGEP7366.E2	03-JUN-2009	04:23:41.985

[[BACK TO MENU](#)]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	73822	03-JUN-2009	07:25:27.156	07:27:20.594	113.43800
KS	73823	03-JUN-2009	09:04:59.598	09:07:21.203	141.60500
KS	73824	03-JUN-2009	10:44:36.256	10:47:00.812	144.55600
KS	73825	03-JUN-2009	12:23:58.449	12:26:20.914	142.46500
KS	73826	03-JUN-2009	14:02:51.920	14:05:18.512	146.59200
GS	73819	03-JUN-2009	02:04:57.403	02:06:45.649	108.24600
GS	73820	03-JUN-2009	03:44:27.244	03:46:23.753	116.50900
MS	73818	03-JUN-2009	00:18:57.894	00:21:00.011	122.11700
MS	73824	03-JUN-2009	10:57:45.878	11:00:15.891	150.01300
MS	73825	03-JUN-2009	12:37:22.158	12:39:44.997	142.83900
MA	73824	03-JUN-2009	10:52:48.328	10:54:38.356	110.02800
MI	73819	03-JUN-2009	02:02:41.702	02:04:06.633	84.931000
MI	73820	03-JUN-2009	03:38:58.143	03:41:26.723	148.58000
MM	73818	03-JUN-2009	01:24:44.459	01:26:01.905	77.446000
MM	73822	03-JUN-2009	08:13:19.236	08:14:26.878	67.642000
MM	73823	03-JUN-2009	09:53:39.355	09:55:00.492	81.137000
MM	73824	03-JUN-2009	11:33:44.408	11:35:17.605	93.197000
MM	73825	03-JUN-2009	13:13:35.909	13:15:01.707	85.798000

BE	73819	03-JUN-2009	02:30:36.243	02:33:08.308	152.06500
BE	73820	03-JUN-2009	04:10:23.040	04:12:47.918	144.87800
SG	73819	03-JUN-2009	02:42:17.748	02:44:42.879	145.13100
SG	73820	03-JUN-2009	04:21:40.693	04:23:41.984	121.29100
SG	73820	03-JUN-2009	04:31:39.031	04:33:35.557	116.52600

[[BACK TO MENU](#)]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
CM	73819	03-JUN-2009	03:38:13.231	03:50:10.137	716.90600
MM	73820	03-JUN-2009	04:50:34.908	04:56:28.248	353.34000
MM	73821	03-JUN-2009	06:32:30.465	06:38:59.872	389.40700
CM	73821	03-JUN-2009	05:19:28.210	05:27:36.148	487.93800
JO	73822	03-JUN-2009	07:50:19.780	08:05:03.669	883.88900
MA	73823	03-JUN-2009	09:13:33.778	09:26:20.589	766.81100
JO	73823	03-JUN-2009	09:31:11.498	09:43:10.586	719.08800
HO	73826	03-JUN-2009	15:03:00.413	15:11:56.321	535.90800
MM	73826	03-JUN-2009	14:53:12.212	15:05:53.332	761.12000
GS	73826	03-JUN-2009	14:15:08.984	14:24:51.345	582.36100
SG	73826	03-JUN-2009	15:16:20.327	15:30:09.958	829.63100
BE	73827	03-JUN-2009	15:28:18.717	15:38:54.295	635.57800
MM	73827	03-JUN-2009	16:32:32.228	16:45:04.936	752.70800
MI	73827	03-JUN-2009	15:59:05.583	16:12:28.679	803.09600
KS	73827	03-JUN-2009	15:40:50.682	15:52:41.211	710.52900
GS	73827	03-JUN-2009	15:53:13.014	16:07:08.894	835.88000
SG	73827	03-JUN-2009	16:58:57.583	17:05:41.350	403.76700
CM	73827	03-JUN-2009	16:02:05.821	16:14:07.637	721.81600
MM	73828	03-JUN-2009	18:11:41.038	18:24:14.619	753.58100
MI	73828	03-JUN-2009	17:41:07.337	17:47:37.793	390.45600
KS	73828	03-JUN-2009	17:18:41.011	17:31:23.814	762.80300
GS	73828	03-JUN-2009	17:33:20.232	17:44:31.054	670.82200
CM	73828	03-JUN-2009	17:42:57.962	17:51:05.910	487.94800
MM	73829	03-JUN-2009	19:50:54.144	20:03:36.378	762.23400
MA	73829	03-JUN-2009	18:55:53.079	19:00:17.537	264.45800
KS	73829	03-JUN-2009	18:56:50.915	19:10:42.435	831.52000
JO	73829	03-JUN-2009	20:10:26.760	20:24:52.330	865.57000

MM	73830	03-JUN-2009	21:30:34.624	21:43:14.581	759.95700
MA	73830	03-JUN-2009	20:28:47.807	20:42:32.301	824.49400
KS	73830	03-JUN-2009	20:36:34.999	20:50:18.056	823.05700
JO	73830	03-JUN-2009	21:50:11.970	22:03:13.769	781.79900
HO	73831	03-JUN-2009	23:01:58.888	23:15:29.544	810.65600
MM	73831	03-JUN-2009	23:11:04.103	23:23:07.919	723.81600
MS	73831	03-JUN-2009	22:08:02.038	22:19:19.322	677.28400
MA	73831	03-JUN-2009	22:11:22.161	22:20:55.030	572.86900
KS	73831	03-JUN-2009	22:18:24.062	22:29:52.697	688.63500
MS	73832	03-JUN-2009	23:46:33.574	23:59:20.390	766.81600

[[BACK TO MENU](#)]

1.5 - List of corrupted products

Station	Orbit	Time
GS	73819	02:07:00.652

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	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
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and 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
331/338 nm Uncal. Line Ratio	OK
Uncal. PMDs as RGB signal	OK
780 nm Uncal. Intensity	OK

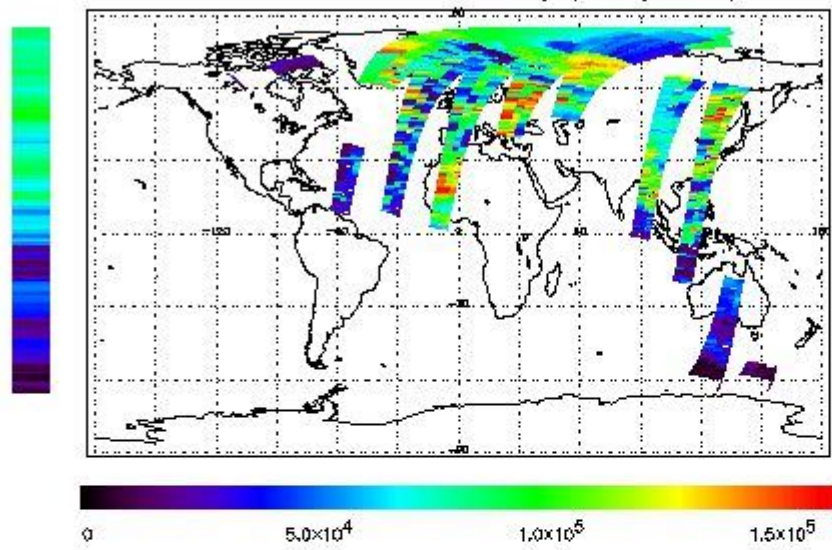
2.2 - Daily Plots

The images linked below provide a quick check on the data coverage and instrument performance. All data are UNCALIBRATED. For the explanation see the GOME Performance Legend

NEAR IR Intensity

First Product : 02-JUN-2009 23:44:34.284 : ORBIT : 73817.6607
 Last Product : 03-JUN-2009 14:32:18.676 : ORBIT : 73826.4852
 Total Products Processed : 12638 Day : 154 Page : 21

778 nm Uncalibrated Intensity (Binary Units)



Ozone Line Ratio

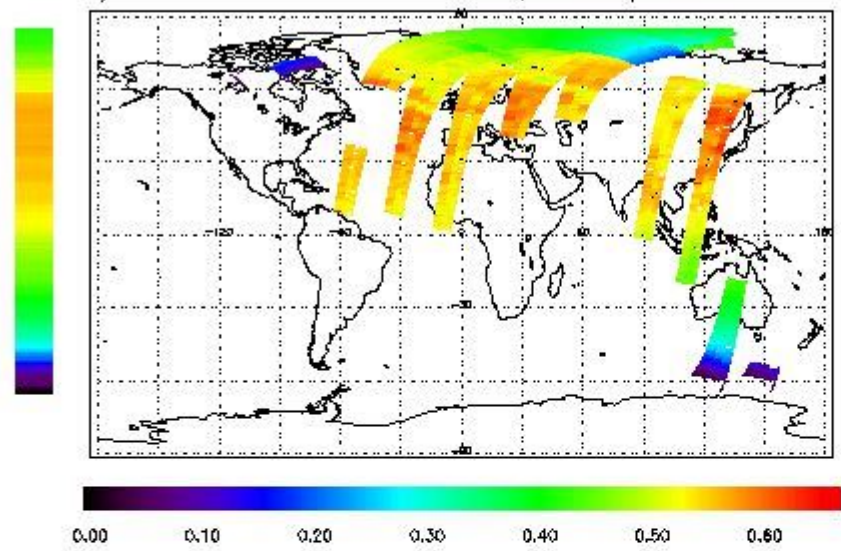
First Product : 02-JUN-2009 23:44:34.284 : ORBIT : 73817.6607

Last Product : 03-JUN-2009 14:32:18.676 : ORBIT : 73826.4852

Total Products Processed : 12638 Day : 154

Page : 20

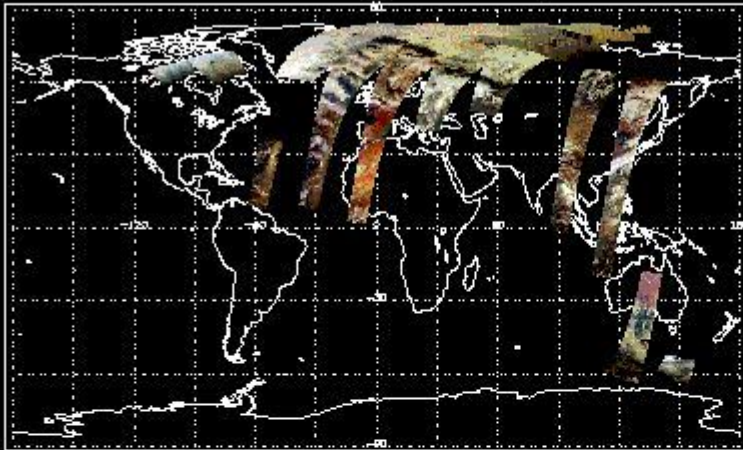
331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed



PMD Image (Earthshine Radiance)

First Product : 02-JUN-2009 23:44:34.284 : ORBIT : 73817.6607
 Last Product : 03-JUN-2009 14:32:18.676 : ORBIT : 73826.4852
 Total Products Processed : 12638 Day : 154 Page : 20

Uncalibrated PMDs as RGB Signal



3 - Instrument Calibration

3.1 - Solar Calibration (Daily/TST44)

Daily(D)/TST44(T)	Start Time	End Time (T)	Orbit	Ground Station Visibility (Y/NS/NE)	Warm Detector Temperature (TST/44)	Max PMD Readout during solar calibration (BU set 2/12)
--	--	--	--	--	--	--

3.2 - Lamp Calibration (Quarterly/TST44)

Quarterly(D)/TST44(T)	Start Time	End Time	Orbit	Ground Station Visibility (Y/NS/NE)	Warm Detector Temperature (TST/44)	Lamp Instability Voltage (if any) (V)	Lamp Failure N. (if any)
--	--	--	--	--	--	--	--

[BACK TO MENU]

4 - Instrument Anomalies

4.1 - Single Event Upset (SEU)

Start Time	End Time	Start Orbit	Orbit End	Ground Station Visibility (Y/NS/NE)
--	--	--	--	--

4.2 - Instrument Off

Start Time	End Time	Start Orbit	Orbit End	MPS Resumption	Ground Station Visibility (Y/NS/NE)
--	--	--	--	--	--

4.3 - Cooler Switchings

Start Time	End Time	Start Orbit	Orbit End	Ground Station Visibility (Y/NS/NE)
--	--	--	--	--

[BACK TO MENU]

5 - Instrument Operations

5.1 - Timeline Interruptions

Start Time	End Time	Start Orbit	Orbit End	Ground Station Visibility (Y/NS/NE)
--	--	--	--	--

5.2 - TST44

Start Time	Start Orbit	Ground Station Visibility (Y/NS/NE)
--	--	--

5.3 - Power Cycle

Start Time	End Time	Start Orbit	Orbit End	Ground Station Visibility (Y/NS/NE)
--	--	--	--	--

5.4 - Wrong Command Execution

Start Time	End Time	Start Orbit	Orbit End	Ground Station Visibility (Y/NS/NE)
--	--	--	--	--

5.5 - Narrow Swath Timeline

Start Time	End Time	Start Orbit	Orbit End
--	--	--	--

5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	Orbit End
--	--	--	--

[BACK TO MENU]

Summary of Anomalies:

station info

CM orbit 73819 EGOI data missing 03-JUN-2009 03:38:13.231 - 03-JUN-2009 03:50:10.137	716.90600 [sec]
MM orbit 73820 EGOI data missing 03-JUN-2009 04:50:34.908 - 03-JUN-2009 04:56:28.248	353.34000 [sec]
MM orbit 73821 EGOI data missing 03-JUN-2009 06:32:30.465 - 03-JUN-2009 06:38:59.872	389.40700 [sec]
CM orbit 73821 EGOI data missing 03-JUN-2009 05:19:28.210 - 03-JUN-2009 05:27:36.148	487.93800 [sec]
JO orbit 73822 EGOI data missing 03-JUN-2009 07:50:19.780 - 03-JUN-2009 08:05:03.669	883.88900 [sec]
MA orbit 73823 EGOI data missing 03-JUN-2009 09:13:33.778 - 03-JUN-2009 09:26:20.589	766.81100 [sec]
JO orbit 73823 EGOI data missing 03-JUN-2009 09:31:11.498 - 03-JUN-2009 09:43:10.586	719.08800 [sec]
HO orbit 73826 EGOI data missing 03-JUN-2009 15:03:00.413 - 03-JUN-2009 15:11:56.321	535.90800 [sec]
MM orbit 73826 EGOI data missing 03-JUN-2009 14:53:12.212 - 03-JUN-2009 15:05:53.332	761.12000 [sec]
GS orbit 73826 EGOI data missing 03-JUN-2009 14:15:08.984 - 03-JUN-2009 14:24:51.345	582.36100 [sec]
SG orbit 73826 EGOI data missing 03-JUN-2009 15:16:20.327 - 03-JUN-2009 15:30:09.958	829.63100 [sec]
BE orbit 73827 EGOI data missing 03-JUN-2009 15:28:18.717 - 03-JUN-2009 15:38:54.295	635.57800 [sec]
MM orbit 73827 EGOI data missing 03-JUN-2009 16:32:32.228 - 03-JUN-2009 16:45:04.936	752.70800 [sec]
MI orbit 73827 EGOI data missing 03-JUN-2009 15:59:05.583 - 03-JUN-2009 16:12:28.679	803.09600 [sec]
KS orbit 73827 EGOI data missing 03-JUN-2009 15:40:50.682 - 03-JUN-2009 15:52:41.211	710.52900 [sec]
GS orbit 73827 EGOI data missing 03-JUN-2009 15:53:13.014 - 03-JUN-2009 16:07:08.894	835.88000 [sec]
SG orbit 73827 EGOI data missing 03-JUN-2009 16:58:57.583 - 03-JUN-2009 17:05:41.350	403.76700 [sec]
CM orbit 73827 EGOI data missing 03-JUN-2009 16:02:05.821 - 03-JUN-2009 16:14:07.637	721.81600 [sec]
MM orbit 73828 EGOI data missing 03-JUN-2009 18:11:41.038 - 03-JUN-2009 18:24:14.619	753.58100 [sec]
MI orbit 73828 EGOI data missing 03-JUN-2009 17:41:07.337 - 03-JUN-2009 17:47:37.793	390.45600 [sec]
KS orbit 73828 EGOI data missing 03-JUN-2009 17:18:41.011 - 03-JUN-2009 17:31:23.814	762.80300 [sec]
GS orbit 73828 EGOI data missing 03-JUN-2009 17:33:20.232 - 03-JUN-2009 17:44:31.054	670.82200 [sec]
CM orbit 73828 EGOI data missing 03-JUN-2009 17:42:57.962 - 03-JUN-2009 17:51:05.910	487.94800 [sec]
MM orbit 73829 EGOI data missing 03-JUN-2009 19:50:54.144 - 03-JUN-2009 20:03:36.378	762.23400 [sec]
MA orbit 73829 EGOI data missing 03-JUN-2009 18:55:53.079 - 03-JUN-2009 19:00:17.537	264.45800 [sec]
KS orbit 73829 EGOI data missing 03-JUN-2009 18:56:50.915 - 03-JUN-2009 19:10:42.435	831.52000 [sec]
JO orbit 73829 EGOI data missing 03-JUN-2009 20:10:26.760 - 03-JUN-2009 20:24:52.330	865.57000 [sec]
MM orbit 73830 EGOI data missing 03-JUN-2009 21:30:34.624 - 03-JUN-2009 21:43:14.581	759.95700 [sec]
MA orbit 73830 EGOI data missing 03-JUN-2009 20:28:47.807 - 03-JUN-2009 20:42:32.301	824.49400 [sec]
KS orbit 73830 EGOI data missing 03-JUN-2009 20:36:34.999 - 03-JUN-2009 20:50:18.056	823.05700 [sec]
JO orbit 73830 EGOI data missing 03-JUN-2009 21:50:11.970 - 03-JUN-2009 22:03:13.769	781.79900 [sec]
HO orbit 73831 EGOI data missing 03-JUN-2009 23:01:58.888 - 03-JUN-2009 23:15:29.544	810.65600 [sec]
MM orbit 73831 EGOI data missing 03-JUN-2009 23:11:04.103 - 03-JUN-2009 23:23:07.919	723.81600 [sec]
MS orbit 73831 EGOI data missing 03-JUN-2009 22:08:02.038 - 03-JUN-2009 22:19:19.322	677.28400 [sec]
MA orbit 73831 EGOI data missing 03-JUN-2009 22:11:22.161 - 03-JUN-2009 22:20:55.030	572.86900 [sec]
KS orbit 73831 EGOI data missing 03-JUN-2009 22:18:24.062 - 03-JUN-2009 22:29:52.697	688.63500 [sec]
MS orbit 73832 EGOI data missing 03-JUN-2009 23:46:33.574 - 03-JUN-2009 23:59:20.390	766.81600 [sec]
KS orbit 73822 EGOI data gap 03-JUN-2009 07:25:27.156 - 03-JUN-2009 07:27:20.594	113.43800 [sec]
KS orbit 73823 EGOI data gap 03-JUN-2009 09:04:59.598 - 03-JUN-2009 09:07:21.203	141.60500 [sec]
KS orbit 73824 EGOI data gap 03-JUN-2009 10:44:36.256 - 03-JUN-2009 10:47:00.812	144.55600 [sec]
KS orbit 73825 EGOI data gap 03-JUN-2009 12:23:58.449 - 03-JUN-2009 12:26:20.914	142.46500 [sec]
KS orbit 73826 EGOI data gap 03-JUN-2009 14:02:51.920 - 03-JUN-2009 14:05:18.512	146.59200 [sec]
GS orbit 73819 EGOI data gap 03-JUN-2009 02:04:57.403 - 03-JUN-2009 02:06:45.649	108.24600 [sec]
GS orbit 73820 EGOI data gap 03-JUN-2009 03:44:27.244 - 03-JUN-2009 03:46:23.753	116.50900 [sec]
MS orbit 73818 EGOI data gap 03-JUN-2009 00:18:57.894 - 03-JUN-2009 00:21:00.011	122.11700 [sec]
MS orbit 73824 EGOI data gap 03-JUN-2009 10:57:45.878 - 03-JUN-2009 11:00:15.891	150.01300 [sec]
MS orbit 73825 EGOI data gap 03-JUN-2009 12:37:22.158 - 03-JUN-2009 12:39:44.997	142.83900 [sec]
MA orbit 73824 EGOI data gap 03-JUN-2009 10:52:48.328 - 03-JUN-2009 10:54:38.356	110.02800 [sec]
MI orbit 73819 EGOI data gap 03-JUN-2009 02:02:41.702 - 03-JUN-2009 02:04:06.633	84.931000 [sec]
MI orbit 73820 EGOI data gap 03-JUN-2009 03:38:58.143 - 03-JUN-2009 03:41:26.723	148.58000 [sec]
MM orbit 73818 EGOI data gap 03-JUN-2009 01:24:44.459 - 03-JUN-2009 01:26:01.905	77.446000 [sec]
MM orbit 73822 EGOI data gap 03-JUN-2009 08:13:19.236 - 03-JUN-2009 08:14:26.878	67.642000 [sec]
MM orbit 73823 EGOI data gap 03-JUN-2009 09:53:39.355 - 03-JUN-2009 09:55:00.492	81.137000 [sec]
MM orbit 73824 EGOI data gap 03-JUN-2009 11:33:44.408 - 03-JUN-2009 11:35:17.605	93.197000 [sec]
MM orbit 73825 EGOI data gap 03-JUN-2009 13:13:35.909 - 03-JUN-2009 13:15:01.707	85.798000 [sec]
BE orbit 73819 EGOI data gap 03-JUN-2009 02:30:36.243 - 03-JUN-2009 02:33:08.308	152.06500 [sec]
BE orbit 73820 EGOI data gap 03-JUN-2009 04:10:23.040 - 03-JUN-2009 04:12:47.918	144.87800 [sec]
SG orbit 73819 EGOI data gap 03-JUN-2009 02:42:17.748 - 03-JUN-2009 02:44:42.879	145.13100 [sec]
SG orbit 73820 EGOI data gap 03-JUN-2009 04:21:40.693 - 03-JUN-2009 04:23:41.984	121.29100 [sec]
SG orbit 73820 EGOI data gap 03-JUN-2009 04:31:39.031 - 03-JUN-2009 04:33:35.557	116.52600 [sec]

Products acquired after 15UTC not delivered due to an Esrin dissemination facility problem.

instrument info

EGOI
1 - no solar calibration measurements available due to data dissemination problem

GOME Daily Reports Analysis 03 JUN 2009

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