

# GOME Daily Report

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## 1 - General Info

### 1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3 (2008)
Time of Report Generation	18-MAY-2009
Start Time of First Product	03:49:12
Stop Time of Last Product	22:23:12
Total Number of EGOI Products	26
Number of corrupted products	--
Anomalies and/or Special Operations	--

### 1.2 - Products used in this report

Name	Date	Time
EGOI_090518GSEP0420.E2	18-MAY-2009	03:49:12.490
EGOI_090518GSEP0430.E2	18-MAY-2009	05:31:46.115
EGOI_090518KSEP0534.E2	18-MAY-2009	07:30:07.841
EGOI_090518KSEP0556.E2	18-MAY-2009	09:10:08.447
EGOI_090518KSEP0581.E2	18-MAY-2009	10:49:46.554
EGOI_090518KSEP0609.E2	18-MAY-2009	12:29:06.657
EGOI_090518KSEP0628.E2	18-MAY-2009	14:08:04.259
EGOI_090518KSEP0657.E2	18-MAY-2009	15:46:01.858
EGOI_090518KSEP0689.E2	18-MAY-2009	17:23:53.456

EGOI_090518KSEP0714.E2	18-MAY-2009	19:01:45.051
EGOI_090518KSEP0747.E2	18-MAY-2009	20:41:18.653
EGOI_090518KSEP0772.E2	18-MAY-2009	22:23:11.771
EGOI_090518MAEP9630.E2	18-MAY-2009	09:17:23.490
EGOI_090518MAEP9638.E2	18-MAY-2009	10:57:22.601
EGOI_090518MAEP9644.E2	18-MAY-2009	19:01:42.051
EGOI_090518MAEP9657.E2	18-MAY-2009	22:15:25.224
EGOI_090518MIEP8599.E2	18-MAY-2009	02:06:38.868
EGOI_090518MIEP8622.E2	18-MAY-2009	03:44:07.954
EGOI_090518MIEP8645.E2	18-MAY-2009	14:26:55.376
EGOI_090518MIEP8665.E2	18-MAY-2009	16:03:34.968
EGOI_090518MIEP8681.E2	18-MAY-2009	17:48:44.601
EGOI_090518MSEP3884.E2	18-MAY-2009	00:23:50.244
EGOI_090518MSEP3907.E2	18-MAY-2009	11:03:06.136
EGOI_090518MSEP3934.E2	18-MAY-2009	12:42:35.239
EGOI_090518MSEP3957.E2	18-MAY-2009	22:12:43.209
EGOI_090518SGEP6976.E2	18-MAY-2009	17:04:27.835

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### 1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	73593	18-MAY-2009	07:28:17.467	07:30:07.840	110.37300
KS	73594	18-MAY-2009	09:07:50.406	09:10:08.446	138.04000
KS	73595	18-MAY-2009	10:47:26.887	10:49:46.553	139.66600
KS	73596	18-MAY-2009	12:26:48.403	12:29:06.657	138.25400
KS	73597	18-MAY-2009	14:05:41.589	14:08:04.259	142.67000
KS	73598	18-MAY-2009	15:43:38.232	15:46:01.858	143.62600
KS	73599	18-MAY-2009	17:21:29.748	17:23:53.455	143.70700
KS	73600	18-MAY-2009	18:59:40.498	19:01:45.051	124.55300
KS	73601	18-MAY-2009	20:39:27.623	20:41:18.652	111.02900
KS	73602	18-MAY-2009	22:21:20.888	22:23:11.771	110.88300
GS	73591	18-MAY-2009	03:47:22.058	03:49:12.490	110.43200
MS	73589	18-MAY-2009	00:21:57.771	00:23:50.243	112.47200
MS	73595	18-MAY-2009	11:00:39.892	11:03:06.135	146.24300
MS	73596	18-MAY-2009	12:40:15.480	12:42:35.238	139.75800
MS	73602	18-MAY-2009	22:10:45.359	22:12:43.209	117.85000
MS	73603	18-MAY-2009	23:49:28.185	23:51:31.810	123.62500
MA	73595	18-MAY-2009	10:55:42.427	10:57:22.601	100.17400
MA	73600	18-MAY-2009	18:58:20.875	19:01:42.050	201.17500
MA	73602	18-MAY-2009	22:14:23.285	22:15:25.223	61.938000

MI	73590	18-MAY-2009	02:05:17.997	02:06:38.867	80.870000
MI	73591	18-MAY-2009	03:41:49.564	03:44:07.954	138.39000
MI	73598	18-MAY-2009	16:01:55.831	16:03:34.967	99.136000
MI	73599	18-MAY-2009	17:44:13.919	17:48:44.601	270.68200

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#### 1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	73589	18-MAY-2009	01:15:43.495	01:28:32.734	769.23900
MM	73589	18-MAY-2009	01:27:40.044	01:37:37.537	597.49300
BE	73590	18-MAY-2009	02:33:25.247	02:46:32.006	786.75900
MM	73590	18-MAY-2009	03:10:30.696	03:18:08.338	457.64200
GS	73590	18-MAY-2009	02:07:44.302	02:21:03.338	799.03600
SG	73590	18-MAY-2009	02:45:02.239	02:57:41.706	759.46700
CM	73590	18-MAY-2009	03:40:59.990	03:53:02.613	722.62300
BE	73591	18-MAY-2009	04:13:16.295	04:24:45.983	689.68800
MM	73591	18-MAY-2009	04:53:30.843	04:59:22.847	352.00400
SG	73591	18-MAY-2009	04:24:37.538	04:36:18.098	700.56000
MM	73592	18-MAY-2009	06:35:23.986	06:41:56.553	392.56700
KS	73592	18-MAY-2009	05:49:59.233	05:52:29.518	150.28500
CM	73592	18-MAY-2009	05:22:33.149	05:30:13.017	459.86800
MM	73593	18-MAY-2009	08:16:11.521	08:25:00.995	529.47400
JO	73593	18-MAY-2009	07:53:07.544	08:07:55.211	887.66700
MM	73594	18-MAY-2009	09:56:31.114	10:07:26.325	655.21100
JO	73594	18-MAY-2009	09:34:11.480	09:45:53.488	702.00800
MM	73595	18-MAY-2009	11:36:35.786	11:48:48.234	732.44800
MM	73596	18-MAY-2009	13:16:26.882	13:29:08.847	761.96500
HO	73597	18-MAY-2009	15:05:55.401	15:14:40.124	524.72300
MM	73597	18-MAY-2009	14:56:02.721	15:08:43.599	760.87800
GS	73597	18-MAY-2009	14:17:53.257	14:27:53.105	599.84800
SG	73597	18-MAY-2009	15:19:09.367	15:33:00.773	831.40600
BE	73598	18-MAY-2009	15:31:18.475	15:41:39.081	620.60600
MM	73598	18-MAY-2009	16:35:22.300	16:47:54.862	752.56200
GS	73598	18-MAY-2009	15:56:03.365	16:09:59.469	836.10400
CM	73598	18-MAY-2009	16:04:53.526	16:17:00.598	727.07200
MM	73599	18-MAY-2009	18:14:30.970	18:27:04.747	753.77700

GS	73599	18-MAY-2009	17:36:13.451	17:47:13.798	660.34700
CM	73599	18-MAY-2009	17:45:59.467	17:53:41.565	462.09800
MM	73600	18-MAY-2009	19:53:44.521	20:06:26.953	762.43200
JO	73600	18-MAY-2009	20:13:14.601	20:27:45.948	871.34700
MM	73601	18-MAY-2009	21:33:26.127	21:46:05.621	759.49400
MA	73601	18-MAY-2009	20:31:36.613	20:45:19.341	822.72800
JO	73601	18-MAY-2009	21:53:06.480	22:05:56.653	770.17300
HO	73602	18-MAY-2009	23:04:43.765	23:18:21.242	817.47700
MM	73602	18-MAY-2009	23:13:57.257	23:25:59.358	722.10100

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## 1.5 - List of corrupted products

Station	Orbit	Time
GS	73592	05:38:13.154

## 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](#)

[Ozone Line Ratio](#)

[PMD Image \(Earthshine Radiance\)](#)

## 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)
D	17:25:28.950	--	73599	Y	--

### 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)
--	--	--	--	--	--	--	--

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## 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)
--	--	--	--	--

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## 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
--	--	--	--

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## **GOME Daily Report**

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Summary of Anomalies:

station info

HO orbit 73589 EGOI data missing 18-MAY-2009 01:15:43.495 - 18-MAY-2009 01:28:32.734	769.23900 [sec]
MM orbit 73589 EGOI data missing 18-MAY-2009 01:27:40.044 - 18-MAY-2009 01:37:37.537	597.49300 [sec]
BE orbit 73590 EGOI data missing 18-MAY-2009 02:33:25.247 - 18-MAY-2009 02:46:32.006	786.75900 [sec]
MM orbit 73590 EGOI data missing 18-MAY-2009 03:10:30.696 - 18-MAY-2009 03:18:08.338	457.64200 [sec]
GS orbit 73590 EGOI data missing 18-MAY-2009 02:07:44.302 - 18-MAY-2009 02:21:03.338	799.03600 [sec]
SG orbit 73590 EGOI data missing 18-MAY-2009 02:45:02.239 - 18-MAY-2009 02:57:41.706	759.46700 [sec]
CM orbit 73590 EGOI data missing 18-MAY-2009 03:40:59.990 - 18-MAY-2009 03:53:02.613	722.62300 [sec]
BE orbit 73591 EGOI data missing 18-MAY-2009 04:13:16.295 - 18-MAY-2009 04:24:45.983	689.68800 [sec]
MM orbit 73591 EGOI data missing 18-MAY-2009 04:53:30.843 - 18-MAY-2009 04:59:22.847	352.00400 [sec]
SG orbit 73591 EGOI data missing 18-MAY-2009 04:24:37.538 - 18-MAY-2009 04:36:18.098	700.56000 [sec]
MM orbit 73592 EGOI data missing 18-MAY-2009 06:35:23.986 - 18-MAY-2009 06:41:56.553	392.56700 [sec]
KS orbit 73592 EGOI data missing 18-MAY-2009 05:49:59.233 - 18-MAY-2009 05:52:29.518	150.28500 [sec]
CM orbit 73592 EGOI data missing 18-MAY-2009 05:22:33.149 - 18-MAY-2009 05:30:13.017	459.86800 [sec]
MM orbit 73593 EGOI data missing 18-MAY-2009 08:16:11.521 - 18-MAY-2009 08:25:00.995	529.47400 [sec]
JO orbit 73593 EGOI data missing 18-MAY-2009 07:53:07.544 - 18-MAY-2009 08:07:55.211	887.66700 [sec]
MM orbit 73594 EGOI data missing 18-MAY-2009 09:56:31.114 - 18-MAY-2009 10:07:26.325	655.21100 [sec]
JO orbit 73594 EGOI data missing 18-MAY-2009 09:34:11.480 - 18-MAY-2009 09:45:53.488	702.00800 [sec]
MM orbit 73595 EGOI data missing 18-MAY-2009 11:36:35.786 - 18-MAY-2009 11:48:48.234	732.44800 [sec]
MM orbit 73596 EGOI data missing 18-MAY-2009 13:16:26.882 - 18-MAY-2009 13:29:08.847	761.96500 [sec]
HO orbit 73597 EGOI data missing 18-MAY-2009 15:05:55.401 - 18-MAY-2009 15:14:40.124	524.72300 [sec]
MM orbit 73597 EGOI data missing 18-MAY-2009 14:56:02.721 - 18-MAY-2009 15:08:43.599	760.87800 [sec]
GS orbit 73597 EGOI data missing 18-MAY-2009 14:17:53.257 - 18-MAY-2009 14:27:53.105	599.84800 [sec]
SG orbit 73597 EGOI data missing 18-MAY-2009 15:19:09.367 - 18-MAY-2009 15:33:00.773	831.40600 [sec]
BE orbit 73598 EGOI data missing 18-MAY-2009 15:31:18.475 - 18-MAY-2009 15:41:39.081	620.60600 [sec]
MM orbit 73598 EGOI data missing 18-MAY-2009 16:35:22.300 - 18-MAY-2009 16:47:54.862	752.56200 [sec]
GS orbit 73598 EGOI data missing 18-MAY-2009 15:56:03.365 - 18-MAY-2009 16:09:59.469	836.10400 [sec]
CM orbit 73598 EGOI data missing 18-MAY-2009 16:04:53.526 - 18-MAY-2009 16:17:00.598	727.07200 [sec]
MM orbit 73599 EGOI data missing 18-MAY-2009 18:14:30.970 - 18-MAY-2009 18:27:04.747	753.77700 [sec]
GS orbit 73599 EGOI data missing 18-MAY-2009 17:36:13.451 - 18-MAY-2009 17:47:13.798	660.34700 [sec]
CM orbit 73599 EGOI data missing 18-MAY-2009 17:45:59.467 - 18-MAY-2009 17:53:41.565	462.09800 [sec]
MM orbit 73600 EGOI data missing 18-MAY-2009 19:53:44.521 - 18-MAY-2009 20:06:26.953	762.43200 [sec]
JO orbit 73600 EGOI data missing 18-MAY-2009 20:13:14.601 - 18-MAY-2009 20:27:45.948	871.34700 [sec]
MM orbit 73601 EGOI data missing 18-MAY-2009 21:33:26.127 - 18-MAY-2009 21:46:05.621	759.49400 [sec]
MA orbit 73601 EGOI data missing 18-MAY-2009 20:31:36.613 - 18-MAY-2009 20:45:19.341	822.72800 [sec]
JO orbit 73601 EGOI data missing 18-MAY-2009 21:53:06.480 - 18-MAY-2009 22:05:56.653	770.17300 [sec]
HO orbit 73602 EGOI data missing 18-MAY-2009 23:04:43.765 - 18-MAY-2009 23:18:21.242	817.47700 [sec]
MM orbit 73602 EGOI data missing 18-MAY-2009 23:13:57.257 - 18-MAY-2009 23:25:59.358	722.10100 [sec]
KS orbit 73593 EGOI data gap 18-MAY-2009 07:28:17.467 - 18-MAY-2009 07:30:07.840	110.37300 [sec]
KS orbit 73594 EGOI data gap 18-MAY-2009 09:07:50.406 - 18-MAY-2009 09:10:08.446	138.04000 [sec]
KS orbit 73595 EGOI data gap 18-MAY-2009 10:47:26.887 - 18-MAY-2009 10:49:46.553	139.66600 [sec]
KS orbit 73596 EGOI data gap 18-MAY-2009 12:26:48.403 - 18-MAY-2009 12:29:06.657	138.25400 [sec]
KS orbit 73597 EGOI data gap 18-MAY-2009 14:05:41.589 - 18-MAY-2009 14:08:04.259	142.67000 [sec]
KS orbit 73598 EGOI data gap 18-MAY-2009 15:43:38.232 - 18-MAY-2009 15:46:01.858	143.62600 [sec]
KS orbit 73599 EGOI data gap 18-MAY-2009 17:21:29.748 - 18-MAY-2009 17:23:53.455	143.70700 [sec]
KS orbit 73600 EGOI data gap 18-MAY-2009 18:59:40.498 - 18-MAY-2009 19:01:45.051	124.55300 [sec]
KS orbit 73601 EGOI data gap 18-MAY-2009 20:39:27.623 - 18-MAY-2009 20:41:18.652	111.02900 [sec]
KS orbit 73602 EGOI data gap 18-MAY-2009 22:21:20.888 - 18-MAY-2009 22:23:11.771	110.88300 [sec]
GS orbit 73591 EGOI data gap 18-MAY-2009 03:47:22.058 - 18-MAY-2009 03:49:12.490	110.43200 [sec]
MS orbit 73589 EGOI data gap 18-MAY-2009 00:21:57.771 - 18-MAY-2009 00:23:50.243	112.47200 [sec]
MS orbit 73595 EGOI data gap 18-MAY-2009 11:00:39.892 - 18-MAY-2009 11:03:06.135	146.24300 [sec]
MS orbit 73596 EGOI data gap 18-MAY-2009 12:40:15.480 - 18-MAY-2009 12:42:35.238	139.75800 [sec]
MS orbit 73602 EGOI data gap 18-MAY-2009 22:10:45.359 - 18-MAY-2009 22:12:43.209	117.85000 [sec]
MS orbit 73603 EGOI data gap 18-MAY-2009 23:49:28.185 - 18-MAY-2009 23:51:31.810	123.62500 [sec]
MA orbit 73595 EGOI data gap 18-MAY-2009 10:55:42.427 - 18-MAY-2009 10:57:22.601	100.17400 [sec]
MA orbit 73600 EGOI data gap 18-MAY-2009 18:58:20.875 - 18-MAY-2009 19:01:42.050	201.17500 [sec]
MA orbit 73602 EGOI data gap 18-MAY-2009 22:14:23.285 - 18-MAY-2009 22:15:25.223	61.938000 [sec]
MI orbit 73590 EGOI data gap 18-MAY-2009 02:05:17.997 - 18-MAY-2009 02:06:38.867	80.870000 [sec]
MI orbit 73591 EGOI data gap 18-MAY-2009 03:41:49.564 - 18-MAY-2009 03:44:07.954	138.39000 [sec]
MI orbit 73598 EGOI data gap 18-MAY-2009 16:01:55.831 - 18-MAY-2009 16:03:34.967	99.136000 [sec]
MI orbit 73599 EGOI data gap 18-MAY-2009 17:44:13.919 - 18-MAY-2009 17:48:44.601	270.68200 [sec]

GS orbit 73592 EGOI corrupted product 05:38:13.154

instrument info



EGOI  
1 - complete solar calibration measurements available  
start time 17:25:18.950, orbit 73599,  
(increase of intensity of PMD readouts during available  
solar calibration measurements data:  
14740 BU ->PMD2 readouts analysed with ERGO.  
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GOME Daily Reports Analysis                    18 MAY                    2009  
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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