GOME Daily Report

SUMMARY

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3 (2008)
Time of Report Generation	25-MAY-2009
Start Time of First Product	00:03:16
Stop Time of Last Product	23:44:59
Total Number of EGOI Products	33
Number of corrupted products	--
Anomalies and/or Special Operations	--

1.2 - Products used in this report

Name	Date	Time
EGOI_090525BEEP0001.E2	25-MAY-2009	03:55:30.512
EGOI_090525GSEP0832.E2	25-MAY-2009	01:49:59.762
EGOI_090525GSEP0861.E2	25-MAY-2009	03:28:52.855
EGOI_090525GSEP0869.E2	25-MAY-2009	05:11:45.977
EGOI_090525KSEP2300.E2	25-MAY-2009	07:10:16.691
EGOI_090525KSEP2323.E2	25-MAY-2009	08:50:14.297
EGOI_090525KSEP2351.E2	25-MAY-2009	10:29:52.395
EGOI_090525KSEP2383.E2	25-MAY-2009	12:09:18.502
EGOI_090525KSEP2399.E2	25-MAY-2009	13:48:17.597

EGOI_090525KSEP2427.E2	25-MAY-2009	15:26:46.691
EGOI_090525KSEP2445.E2	25-MAY-2009	17:04:14.282
EGOI_090525KSEP2478.E2	25-MAY-2009	18:42:13.376
EGOI_090525KSEP2514.E2	25-MAY-2009	20:21:13.982
EGOI_090525KSEP2545.E2	25-MAY-2009	22:02:43.093
EGOI_090525MAEP9887.E2	25-MAY-2009	09:09:47.414
EGOI_090525MAEP9896.E2	25-MAY-2009	10:37:22.442
EGOI_090525MIEP9258.E2	25-MAY-2009	01:48:25.254
EGOI_090525MIEP9285.E2	25-MAY-2009	03:24:03.328
EGOI_090525MIEP9309.E2	25-MAY-2009	05:05:59.437
EGOI_090525MIEP9319.E2	25-MAY-2009	15:43:46.801
EGOI_090525MIEP9343.E2	25-MAY-2009	17:24:26.403
EGOI_090525MMEP4103.E2	25-MAY-2009	01:08:28.010
EGOI_090525MMEP4113.E2	25-MAY-2009	07:57:06.476
EGOI_090525MMEP4122.E2	25-MAY-2009	11:17:57.189
EGOI_090525MMEP4132.E2	25-MAY-2009	16:17:09.496
EGOI_090525MMEP4139.E2	25-MAY-2009	19:35:48.201
EGOI_090525MSEP4652.E2	25-MAY-2009	00:03:15.616
EGOI_090525MSEP4670.E2	25-MAY-2009	10:43:47.977
EGOI_090525MSEP4697.E2	25-MAY-2009	12:22:39.577
EGOI_090525MSEP4723.E2	25-MAY-2009	21:53:31.042
EGOI_090525MSEP4751.E2	25-MAY-2009	23:31:24.133
EGOI_090525SGEP7176.E2	25-MAY-2009	04:14:26.125
EGOI_090525SGEP7185.E2	25-MAY-2009	15:01:40.543

[BACK TO MENU]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	73693	25-MAY-2009	07:08:26.110	07:10:16.691	110.58100
KS	73694	25-MAY-2009	08:47:54.811	08:50:14.297	139.48600
KS	73695	25-MAY-2009	10:27:32.241	10:29:52.395	140.15400
KS	73696	25-MAY-2009	12:06:58.164	12:09:18.502	140.33800
KS	73697	25-MAY-2009	13:45:54.167	13:48:17.596	143.42900
KS	73698	25-MAY-2009	15:24:04.923	15:26:46.691	161.76800
KS	73699	25-MAY-2009	17:01:47.063	17:04:14.281	147.21800
KS	73700	25-MAY-2009	18:39:54.881	18:42:13.375	138.49400
KS	73701	25-MAY-2009	20:19:21.349	20:21:13.982	112.63300
KS	73702	25-MAY-2009	22:00:46.052	22:02:43.093	117.04100
KS	73703	25-MAY-2009	23:45:03.260	23:46:36.223	92.963000
GS	73690	25-MAY-2009	01:48:20.582	01:49:59.762	99.180000
GS	73691	25-MAY-2009	03:27:03.981	03:28:52.855	108.87400

MS	73689	25-MAY-2009	00:01:10.534	00:03:15.616	125.08200
MS	73695	25-MAY-2009	10:41:22.005	10:43:47.977	145.97200
MS	73696	25-MAY-2009	12:20:09.510	12:22:39.576	150.06600
MS	73702	25-MAY-2009	21:51:51.564	21:53:31.041	99.477000
MS	73703	25-MAY-2009	23:29:13.235	23:31:24.132	130.89700
MA	73695	25-MAY-2009	10:35:32.498	10:37:22.441	109.94300
MI	73691	25-MAY-2009	03:21:56.218	03:24:03.328	127.11000
MI	73692	25-MAY-2009	05:04:57.305	05:05:59.436	62.131000
MI	73698	25-MAY-2009	15:42:08.471	15:43:46.800	98.329000
MI	73698	25-MAY-2009	15:52:52.855	15:55:22.731	149.87600
MI	73699	25-MAY-2009	17:22:58.623	17:24:26.402	87.779000
MM	73689	25-MAY-2009	01:07:11.986	01:08:28.009	76.023000
MM	73693	25-MAY-2009	07:56:05.052	07:57:06.475	61.423000
MM	73695	25-MAY-2009	11:16:35.910	11:17:57.189	81.279000
MM	73698	25-MAY-2009	16:15:31.579	16:17:09.495	97.916000
MM	73700	25-MAY-2009	19:33:52.334	19:35:48.200	115.86600
BE	73691	25-MAY-2009	03:53:06.527	03:55:30.512	143.98500
SG	73691	25-MAY-2009	04:04:09.138	04:14:26.125	616.98700
SG	73697	25-MAY-2009	14:59:32.891	15:01:40.543	127.65200

[BACK TO MENU]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	73689	25-MAY-2009	00:55:21.544	01:09:00.230	818.68600
KS	73689	25-MAY-2009	00:19:08.032	00:22:13.760	185.72800
BE	73690	25-MAY-2009	02:13:45.561	02:26:14.532	748.97100
MM	73690	25-MAY-2009	02:49:53.561	02:57:59.921	486.36000
SG	73690	25-MAY-2009	02:26:01.545	02:37:04.766	663.22100
MM	73691	25-MAY-2009	04:32:58.068	04:39:02.175	364.10700
CM	73691	25-MAY-2009	03:21:41.264	03:32:48.806	667.54200
CM	73691	25-MAY-2009	05:01:21.800	05:11:32.942	611.14200
MM	73692	25-MAY-2009	06:15:08.124	06:21:20.436	372.31200
JO	73693	25-MAY-2009	07:33:39.413	07:47:50.736	851.32300
MM	73694	25-MAY-2009	09:36:28.551	09:47:02.065	633.51400
JO	73694	25-MAY-2009	09:13:23.084	09:26:43.721	800.63700
HO	73695	25-MAY-2009	11:26:47.397	11:38:07.305	679.90800

HO	73696	25-MAY-2009	13:05:03.804	13:19:53.128	889.32400
MM	73696	25-MAY-2009	12:56:29.819	13:09:09.025	759.20600
HO	73697	25-MAY-2009	14:45:30.909	14:55:43.005	612.09600
MM	73697	25-MAY-2009	14:36:08.867	14:48:51.296	762.42900
GS	73697	25-MAY-2009	13:58:56.398	14:06:24.179	447.78100
BE	73698	25-MAY-2009	15:10:30.468	15:22:18.337	707.86900
GS	73698	25-MAY-2009	15:36:12.638	15:50:00.827	828.18900
SG	73698	25-MAY-2009	16:40:25.427	16:50:18.067	592.64000
CM	73698	25-MAY-2009	15:45:26.863	15:56:41.135	674.27200
MM	73699	25-MAY-2009	17:54:41.502	18:07:14.064	752.56200
GS	73699	25-MAY-2009	17:16:03.274	17:28:09.121	725.84700
CM	73699	25-MAY-2009	17:25:06.590	17:35:11.536	604.94600
JO	73700	25-MAY-2009	19:53:44.885	20:07:23.394	818.50900
MM	73701	25-MAY-2009	21:13:26.443	21:26:08.605	762.16200
MA	73701	25-MAY-2009	20:11:59.713	20:25:42.262	822.54900
JO	73701	25-MAY-2009	21:32:49.873	21:46:48.567	838.69400
HO	73702	25-MAY-2009	22:45:17.832	22:58:18.154	780.32200
MM	73702	25-MAY-2009	22:53:46.265	23:05:59.507	733.24200
MA	73702	25-MAY-2009	21:52:54.121	22:04:22.030	687.90900

[BACK TO MENU]

1.5 - List of corrupted products

Station	Orbit	Time

---

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 explaination 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	17:04:50.280	--	73699	--	--

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
--	17:00	--	73699

5.6 - Seasonal Operations

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

[BACK TO MENU]

GOME Daily Report

****
NARROW SWATH TIMELINE GMNNOT41 executed
continued from day 144 (2009/05/24)
holding on until orbit 73699, time ~17:00 (see below)
****
****
Summary of Anomalies:
station info

HO orbit 73689 EGOI data missing 25-MAY-2009 00:55:21.544 - 25-MAY-2009 01:09:00.230 818.68600 [sec]
KS orbit 73689 EGOI data missing 25-MAY-2009 00:19:08.032 - 25-MAY-2009 00:22:13.760 185.72800 [sec]
BE orbit 73690 EGOI data missing 25-MAY-2009 02:13:45.561 - 25-MAY-2009 02:26:14.532 748.97100 [sec]
MM orbit 73690 EGOI data missing 25-MAY-2009 02:49:53.561 - 25-MAY-2009 02:57:59.921 486.36000 [sec]
SG orbit 73690 EGOI data missing 25-MAY-2009 02:26:01.545 - 25-MAY-2009 02:37:04.766 663.22100 [sec]
MM orbit 73691 EGOI data missing 25-MAY-2009 04:32:58.068 - 25-MAY-2009 04:39:02.175 364.10700 [sec]
CM orbit 73691 EGOI data missing 25-MAY-2009 03:21:41.264 - 25-MAY-2009 03:32:48.806 667.54200 [sec]
CM orbit 73691 EGOI data missing 25-MAY-2009 05:01:21.800 - 25-MAY-2009 05:11:32.942 611.14200 [sec]
MM orbit 73692 EGOI data missing 25-MAY-2009 06:15:08.124 - 25-MAY-2009 06:21:20.436 372.31200 [sec]
JO orbit 73693 EGOI data missing 25-MAY-2009 07:33:39.413 - 25-MAY-2009 07:47:50.736 851.32300 [sec]
MM orbit 73694 EGOI data missing 25-MAY-2009 09:36:28.551 - 25-MAY-2009 09:47:02.065 633.51400 [sec]
JO orbit 73694 EGOI data missing 25-MAY-2009 09:13:23.084 - 25-MAY-2009 09:26:43.721 800.63700 [sec]
HO orbit 73695 EGOI data missing 25-MAY-2009 11:26:47.397 - 25-MAY-2009 11:38:07.305 679.90800 [sec]
HO orbit 73696 EGOI data missing 25-MAY-2009 13:05:03.804 - 25-MAY-2009 13:19:53.128 889.32400 [sec]
MM orbit 73696 EGOI data missing 25-MAY-2009 12:56:29.819 - 25-MAY-2009 13:09:09.025 759.20600 [sec]
HO orbit 73697 EGOI data missing 25-MAY-2009 14:45:30.909 - 25-MAY-2009 14:55:43.005 612.09600 [sec]
MM orbit 73697 EGOI data missing 25-MAY-2009 14:36:08.867 - 25-MAY-2009 14:48:51.296 762.42900 [sec]
GS orbit 73697 EGOI data missing 25-MAY-2009 13:58:56.398 - 25-MAY-2009 14:06:24.179 447.78100 [sec]
BE orbit 73698 EGOI data missing 25-MAY-2009 15:10:30.468 - 25-MAY-2009 15:22:18.337 707.86900 [sec]
GS orbit 73698 EGOI data missing 25-MAY-2009 15:36:12.638 - 25-MAY-2009 15:50:00.827 828.18900 [sec]
SG orbit 73698 EGOI data missing 25-MAY-2009 16:40:25.427 - 25-MAY-2009 16:50:18.067 592.64000 [sec]
CM orbit 73698 EGOI data missing 25-MAY-2009 15:45:26.863 - 25-MAY-2009 15:56:41.135 674.27200 [sec]
MM orbit 73699 EGOI data missing 25-MAY-2009 17:54:41.502 - 25-MAY-2009 18:07:14.064 752.56200 [sec]
GS orbit 73699 EGOI data missing 25-MAY-2009 17:16:03.274 - 25-MAY-2009 17:28:09.121 725.84700 [sec]
CM orbit 73699 EGOI data missing 25-MAY-2009 17:25:06.590 - 25-MAY-2009 17:35:11.536 604.94600 [sec]
JO orbit 73700 EGOI data missing 25-MAY-2009 19:53:44.885 - 25-MAY-2009 20:07:23.394 818.50900 [sec]
MM orbit 73701 EGOI data missing 25-MAY-2009 21:13:26.443 - 25-MAY-2009 21:26:08.605 762.16200 [sec]
MA orbit 73701 EGOI data missing 25-MAY-2009 20:11:59.713 - 25-MAY-2009 20:25:42.262 822.54900 [sec]
JO orbit 73701 EGOI data missing 25-MAY-2009 21:32:49.873 - 25-MAY-2009 21:46:48.567 838.69400 [sec]
HO orbit 73702 EGOI data missing 25-MAY-2009 22:45:17.832 - 25-MAY-2009 22:58:18.154 780.32200 [sec]
MM orbit 73702 EGOI data missing 25-MAY-2009 22:53:46.265 - 25-MAY-2009 23:05:59.507 733.24200 [sec]
MA orbit 73702 EGOI data missing 25-MAY-2009 21:52:54.121 - 25-MAY-2009 22:04:22.030 687.90900 [sec]
KS orbit 73693 EGOI data gap 25-MAY-2009 07:08:26.110 - 25-MAY-2009 07:10:16.691 110.58100 [sec]
KS orbit 73694 EGOI data gap 25-MAY-2009 08:47:54.811 - 25-MAY-2009 08:50:14.297 139.48600 [sec]
KS orbit 73695 EGOI data gap 25-MAY-2009 10:27:32.241 - 25-MAY-2009 10:29:52.395 140.15400 [sec]
KS orbit 73696 EGOI data gap 25-MAY-2009 12:06:58.164 - 25-MAY-2009 12:09:18.502 140.33800 [sec]
KS orbit 73697 EGOI data gap 25-MAY-2009 13:45:54.167 - 25-MAY-2009 13:48:17.596 143.42900 [sec]
KS orbit 73698 EGOI data gap 25-MAY-2009 15:24:04.923 - 25-MAY-2009 15:26:46.691 161.76800 [sec]
KS orbit 73699 EGOI data gap 25-MAY-2009 17:01:47.063 - 25-MAY-2009 17:04:14.281 147.21800 [sec]
KS orbit 73700 EGOI data gap 25-MAY-2009 18:39:54.881 - 25-MAY-2009 18:42:13.375 138.49400 [sec]
KS orbit 73701 EGOI data gap 25-MAY-2009 20:19:21.349 - 25-MAY-2009 20:21:13.982 112.63300 [sec]
KS orbit 73702 EGOI data gap 25-MAY-2009 22:00:46.052 - 25-MAY-2009 22:02:43.093 117.04100 [sec]
KS orbit 73703 EGOI data gap 25-MAY-2009 23:45:03.260 - 25-MAY-2009 23:46:36.223 92.963000 [sec]
GS orbit 73690 EGOI data gap 25-MAY-2009 01:48:20.582 - 25-MAY-2009 01:49:59.762 99.180000 [sec]
GS orbit 73691 EGOI data gap 25-MAY-2009 03:27:03.981 - 25-MAY-2009 03:28:52.855 108.87400 [sec]
MS orbit 73689 EGOI data gap 25-MAY-2009 00:01:10.534 - 25-MAY-2009 00:03:15.616 125.08200 [sec]
MS orbit 73695 EGOI data gap 25-MAY-2009 10:41:22.005 - 25-MAY-2009 10:43:47.977 145.97200 [sec]
MS orbit 73696 EGOI data gap 25-MAY-2009 12:20:09.510 - 25-MAY-2009 12:22:39.576 150.06600 [sec]
MS orbit 73702 EGOI data gap 25-MAY-2009 21:51:51.564 - 25-MAY-2009 21:53:31.041 99.477000 [sec]
MS orbit 73703 EGOI data gap 25-MAY-2009 23:29:13.235 - 25-MAY-2009 23:31:24.132 130.89700 [sec]
MA orbit 73695 EGOI data gap 25-MAY-2009 10:35:32.498 - 25-MAY-2009 10:37:22.441 109.94300 [sec]
MI orbit 73691 EGOI data gap 25-MAY-2009 03:21:56.218 - 25-MAY-2009 03:24:03.328 127.11000 [sec]
MI orbit 73692 EGOI data gap 25-MAY-2009 05:04:57.305 - 25-MAY-2009 05:05:59.436 62.131000 [sec]
MI orbit 73698 EGOI data gap 25-MAY-2009 15:42:08.471 - 25-MAY-2009 15:43:46.800 98.329000 [sec]
MI orbit 73698 EGOI data gap 25-MAY-2009 15:52:52.855 - 25-MAY-2009 15:55:22.731 149.87600 [sec]
MI orbit 73699 EGOI data gap 25-MAY-2009 17:22:58.623 - 25-MAY-2009 17:24:26.402 87.779000 [sec]
MM orbit 73689 EGOI data gap 25-MAY-2009 01:07:11.986 - 25-MAY-2009 01:08:28.009 76.023000 [sec]
MM orbit 73693 EGOI data gap 25-MAY-2009 07:56:05.052 - 25-MAY-2009 07:57:06.475 61.423000 [sec]
MM orbit 73695 EGOI data gap 25-MAY-2009 11:16:35.910 - 25-MAY-2009 11:17:57.189 81.279000 [sec]

```
MM orbit 73698 EGOI data gap     25-MAY-2009 16:15:31.579 - 25-MAY-2009 16:17:09.495        97.916000 [sec]
MM orbit 73700 EGOI data gap     25-MAY-2009 19:33:52.334 - 25-MAY-2009 19:35:48.200       115.86600 [sec]
BE orbit 73691 EGOI data gap     25-MAY-2009 03:53:06.527 - 25-MAY-2009 03:55:30.512       143.98500 [sec]
SG orbit 73691 EGOI data gap     25-MAY-2009 04:04:09.138 - 25-MAY-2009 04:14:26.125       616.98700 [sec]
SG orbit 73697 EGOI data gap     25-MAY-2009 14:59:32.891 - 25-MAY-2009 15:01:40.543       127.65200 [sec]

instrument info
EGOI
      1 - complete solar calibration measurements available
            start time 17:04:50.280, orbit 73699,
            (increase of intensity of PMD readouts during available
            solar calibration measurements data:
         14448 BU ->PMD2 readouts analysed with ERGO.
*******************************************************************************

-------------------------------------------------------------------------------
    GOME Daily Reports Analysis             25 MAY            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             >> timeline GMNNOT41 executed as planned,
                                      until Orb. 73699 ~17:00
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         >> pattern not repeated due to execution of
                                      timeline GMNNOT41
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
```