

GOME Daily Report

INDEX

1. [General Info](#)
 - 1.1 [Report Summary](#)
 - 1.2 [List of received products](#)
 - 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
Report of Day	04-OCT-2010
Start Time of First Product	23:42:50
Stop Time of Last Product	23:35:23
Number of EGOI Products analysed	34
Number of corrupted products	--
Anomalies and/or Special Operations	GOME anomaly (SEU) at 13:28:33 (in concomitance with the Narrow Swath Timeline execution); after the execution of a power cycle at 14:36:20 data were back to normal; no solar measurements available due to the GOME anomaly

1.2 - List of received products

Name	Date	Time
EGOI_101004GSEP6403.E2	04-OCT-2010	01:30:53.485
EGOI_101004GSEP6431.E2	04-OCT-2010	03:08:42.080
EGOI_101004GSEP6440.E2	04-OCT-2010	05:05:00.797
EGOI_101004KSEP9538.E2	03-OCT-2010	23:58:52.921
EGOI_101004KSEP9552.E2	04-OCT-2010	06:50:19.439
EGOI_101004KSEP9569.E2	04-OCT-2010	08:30:15.555
EGOI_101004KSEP9587.E2	04-OCT-2010	10:09:56.665
EGOI_101004KSEP9608.E2	04-OCT-2010	11:49:30.275
EGOI_101004KSEP9625.E2	04-OCT-2010	13:28:28.984
EGOI_101004KSEP9650.E2	04-OCT-2010	15:07:09.454
EGOI_101004KSEP9679.E2	04-OCT-2010	16:44:40.069
EGOI_101004KSEP9710.E2	04-OCT-2010	18:22:36.188
EGOI_101004KSEP9739.E2	04-OCT-2010	20:01:18.807
EGOI_101004KSEP9768.E2	04-OCT-2010	21:42:10.435
EGOI_101004KSEP9793.E2	04-OCT-2010	23:25:26.081
EGOI_101004MAEP7894.E2	04-OCT-2010	08:38:20.105
EGOI_101004MAEP7908.E2	04-OCT-2010	10:17:17.708
EGOI_101004MIEP2413.E2	04-OCT-2010	03:04:24.056
EGOI_101004MIEP2436.E2	04-OCT-2010	04:45:29.179
EGOI_101004MIEP2449.E2	04-OCT-2010	15:24:41.064
EGOI_101004MIEP2471.E2	04-OCT-2010	17:04:31.190
EGOI_101004MMEP6073.E2	04-OCT-2010	02:30:19.349
EGOI_101004MMEP6082.E2	04-OCT-2010	07:36:52.722
EGOI_101004MMEP6090.E2	04-OCT-2010	09:17:36.844
EGOI_101004MMEP6096.E2	04-OCT-2010	10:57:56.954
EGOI_101004MMEP6105.E2	04-OCT-2010	12:37:51.573
EGOI_101004MMEP6113.E2	04-OCT-2010	14:17:53.293
EGOI_101004MMEP6124.E2	04-OCT-2010	22:35:15.264
EGOI_101004MSEP1740.E2	03-OCT-2010	23:42:49.823
EGOI_101004MSEP1763.E2	04-OCT-2010	10:24:34.250
EGOI_101004MSEP1792.E2	04-OCT-2010	12:02:25.854
EGOI_101004MSEP1804.E2	04-OCT-2010	13:45:21.594
EGOI_101004MSEP1828.E2	04-OCT-2010	21:35:17.896
EGOI_101004MSEP1860.E2	04-OCT-2010	23:11:25.991

[[BACK TO MENU](#)]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	80803	03-OCT-2010	23:57:17.100	23:58:52.921	95.821000
KS	80807	04-OCT-2010	06:48:37.306	06:50:19.438	102.13200
KS	80808	04-OCT-2010	08:27:59.479	08:30:15.554	136.07500
KS	80809	04-OCT-2010	10:07:37.143	10:09:56.664	139.52100

KS	80810	04-OCT-2010	11:47:06.734	11:49:30.274	143.54000
KS	80811	04-OCT-2010	13:26:10.317	13:28:28.983	138.66600
KS	80812	04-OCT-2010	15:04:40.378	15:07:09.454	149.07600
KS	80813	04-OCT-2010	16:42:16.753	16:44:40.068	143.31500
KS	80814	04-OCT-2010	18:20:12.469	18:22:36.188	143.71900
KS	80815	04-OCT-2010	19:59:19.788	20:01:18.806	119.01800
KS	80816	04-OCT-2010	21:40:17.748	21:42:10.434	112.68600
KS	80817	04-OCT-2010	23:23:52.106	23:25:26.080	93.974000
GS	80804	04-OCT-2010	01:29:07.978	01:30:53.484	105.50600
GS	80805	04-OCT-2010	03:06:58.009	03:08:42.079	104.07000
MS	80809	04-OCT-2010	10:22:09.936	10:24:34.250	144.31400
MS	80810	04-OCT-2010	12:00:02.601	12:02:25.854	143.25300
MS	80817	04-OCT-2010	23:09:13.940	23:11:25.990	132.05000
MA	80808	04-OCT-2010	08:36:49.283	08:38:20.105	90.822000
MA	80809	04-OCT-2010	10:15:42.577	10:17:17.707	95.130000
MI	80805	04-OCT-2010	03:02:18.191	03:04:24.055	125.86400
MI	80805	04-OCT-2010	03:12:57.106	03:15:18.954	141.84800
MI	80806	04-OCT-2010	04:43:19.247	04:45:29.179	129.93200
MI	80812	04-OCT-2010	15:22:32.310	15:24:41.064	128.75400
MI	80813	04-OCT-2010	17:02:20.786	17:04:31.190	130.40400
MM	80804	04-OCT-2010	02:29:17.535	02:30:19.348	61.813000
MM	80808	04-OCT-2010	09:16:25.385	09:17:36.844	71.459000
MM	80809	04-OCT-2010	10:56:35.504	10:57:56.954	81.450000
MM	80810	04-OCT-2010	12:36:32.166	12:37:51.572	79.406000
MM	80811	04-OCT-2010	14:16:14.344	14:17:53.292	98.948000
MM	80811	04-OCT-2010	14:22:50.320	14:28:57.862	367.54200
MM	80816	04-OCT-2010	22:33:37.767	22:35:15.263	97.496000

[[BACK TO MENU](#)]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	80803	04-OCT-2010	00:34:57.872	00:49:22.126	864.25400
MM	80803	04-OCT-2010	00:46:46.429	00:57:31.112	644.68300
BE	80804	04-OCT-2010	01:54:15.453	02:05:40.707	685.25400
SG	80804	04-OCT-2010	02:07:37.321	02:15:53.256	495.93500
BE	80805	04-OCT-2010	03:33:02.942	03:46:05.897	782.95500

MM	80805	04-OCT-2010	04:12:22.875	04:18:44.839	381.96400
SG	80805	04-OCT-2010	03:43:59.166	03:57:41.761	822.59500
CM	80805	04-OCT-2010	03:02:46.603	03:12:16.326	569.72300
CM	80805	04-OCT-2010	04:40:45.970	04:52:20.370	694.40000
MM	80806	04-OCT-2010	05:54:49.149	06:00:46.354	357.20500
JO	80807	04-OCT-2010	07:14:27.026	07:27:36.796	789.77000
JO	80808	04-OCT-2010	08:52:56.151	09:07:17.220	861.06900
HO	80811	04-OCT-2010	14:25:15.847	14:37:34.585	738.73800
SG	80811	04-OCT-2010	14:40:14.108	14:52:39.948	745.84000
BE	80812	04-OCT-2010	14:50:02.059	15:02:44.923	762.86400
MM	80812	04-OCT-2010	15:55:40.303	16:08:15.654	755.35100
GS	80812	04-OCT-2010	15:16:26.450	15:29:50.877	804.42700
SG	80812	04-OCT-2010	16:19:34.254	16:31:32.446	718.19200
CM	80812	04-OCT-2010	15:26:21.970	15:35:56.684	574.71400
MM	80813	04-OCT-2010	17:34:52.042	17:47:23.837	751.79500
GS	80813	04-OCT-2010	16:55:57.760	17:08:52.619	774.85900
CM	80813	04-OCT-2010	17:04:40.589	17:16:08.684	688.09500
MM	80814	04-OCT-2010	19:14:01.084	19:26:40.145	759.06100
JO	80814	04-OCT-2010	19:34:30.297	19:46:40.985	730.68800
MM	80815	04-OCT-2010	20:53:28.613	21:06:12.218	763.60500
MA	80815	04-OCT-2010	19:52:34.106	20:05:33.336	779.23000
JO	80815	04-OCT-2010	21:12:43.223	21:27:24.103	880.88000
HO	80816	04-OCT-2010	22:26:09.191	22:38:14.781	725.59000
MA	80816	04-OCT-2010	21:31:52.264	21:44:50.584	778.32000

[[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	S.U Command = 3xNack (PARIT)
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	values out of limit; Polar View operated
Polarization 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
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	values out of limit
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

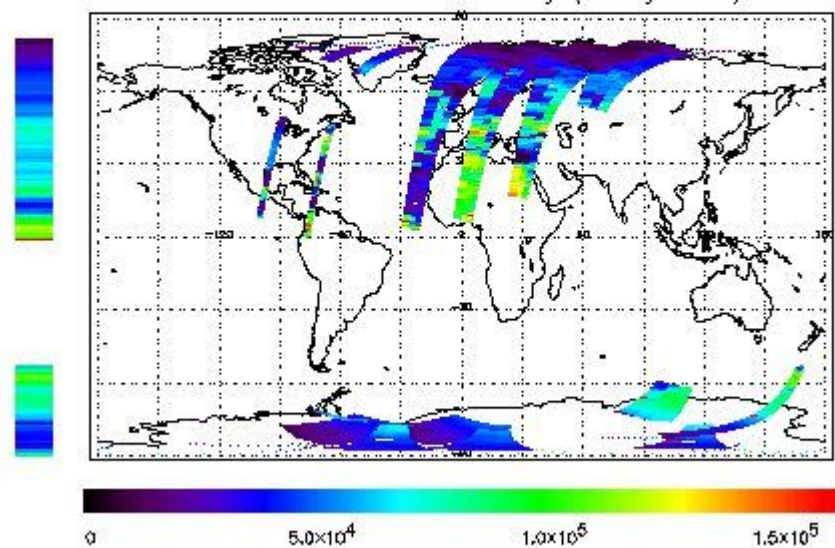
2.2 - Daily Plots

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 : 03-OCT-2010 23:42:49.823 : ORBIT : 80803.0148
 Last Product : 04-OCT-2010 23:35:23.143 : ORBIT : 80817.2551
 Total Products Processed : 15319 Day : 277 Page : 21

778 nm Uncalibrated Intensity (Binary Units)



(1)

[BACK TO MENU]

4 - Instrument Anomalies

4.1 - Single Event Upset (SEU)

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

4.2 - Instrument Off

Start Time	End Time	Start Orbit	End Orbit	MPS Resumption	Ground Station Visibility
--	--	--	--	--	--

4.3 - Cooler Switchings

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility	Max Temp. Ch 1	Max Temp. Ch 2	Max Temp. Ch 3	Max Temp. Ch 4
--	--	--	--	--	--	--	--	--

[BACK TO MENU]

5 - Instrument Operations

Additional Info

5.1 - Timeline Interruptions

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

5.2 - TST44

Start Time	Start Orbit	Ground Station Visibility
--	--	--

5.3 - Power Cycle

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

5.4 - Wrong Command Execution

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

5.5 - Narrow Swath Timeline

Start Time	End Time	Start Orbit	End Orbit
13:30	--	80811	--

5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
01:00 05-Sep	--	80388	--

[[BACK TO MENU](#)]

(1) The Solar/lamp calibration is carried out routinely or after an instrument switch-off or a power cycle (performed to reset the instrument when abnormal values are observed); in the latter cases the coolers are off and the temperature refers to the warm detectors