

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	07-JUN-2011
Start Time of First Product	00:59:22
Stop Time of Last Product	23:07:03
Number of EGOI Products analysed	34
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_110607CMEP7211.E2	07-JUN-2011	02:39:08.961
EGOI_110607CMEP7217.E2	07-JUN-2011	04:15:00.547
EGOI_110607CMEP7226.E2	07-JUN-2011	15:01:29.990
EGOI_110607CMEP7235.E2	07-JUN-2011	16:37:53.081
EGOI_110607GSEP3904.E2	07-JUN-2011	01:05:26.395
EGOI_110607GSEP3933.E2	07-JUN-2011	04:23:09.594
EGOI_110607GSEP3940.E2	07-JUN-2011	06:05:16.225
EGOI_110607KSEP5899.E2	07-JUN-2011	06:23:23.824
EGOI_110607KSEP5923.E2	07-JUN-2011	08:03:07.940

EGOI_110607KSEP5949.E2	07-JUN-2011	09:42:34.042
EGOI_110607KSEP5972.E2	07-JUN-2011	11:22:06.157
EGOI_110607KSEP5990.E2	07-JUN-2011	13:01:06.754
EGOI_110607KSEP5998.E2	07-JUN-2011	14:39:47.861
EGOI_110607KSEP6013.E2	07-JUN-2011	16:17:22.955
EGOI_110607KSEP6041.E2	07-JUN-2011	17:55:05.554
EGOI_110607KSEP6073.E2	07-JUN-2011	19:33:12.151
EGOI_110607KSEP6095.E2	07-JUN-2011	21:13:24.765
EGOI_110607KSEP6112.E2	07-JUN-2011	22:56:35.898
EGOI_110607MAEP8776.E2	07-JUN-2011	08:11:48.492
EGOI_110607MAEP8797.E2	07-JUN-2011	09:50:10.086
EGOI_110607MAEP8816.E2	07-JUN-2011	21:08:03.729
EGOI_110607MAEP8830.E2	07-JUN-2011	22:48:37.347
EGOI_110607MIEP4484.E2	07-JUN-2011	02:38:25.457
EGOI_110607MIEP4513.E2	07-JUN-2011	04:17:17.059
EGOI_110607MIEP4540.E2	07-JUN-2011	14:57:44.966
EGOI_110607MIEP4556.E2	07-JUN-2011	16:36:05.068
EGOI_110607MSEP0362.E2	07-JUN-2011	00:59:21.851
EGOI_110607MSEP0377.E2	07-JUN-2011	09:58:38.641
EGOI_110607MSEP0405.E2	07-JUN-2011	11:35:48.238
EGOI_110607MSEP0429.E2	07-JUN-2011	13:15:47.345
EGOI_110607MSEP0460.E2	07-JUN-2011	22:43:16.312
EGOI_110607SGEP3718.E2	07-JUN-2011	05:06:14.356
EGOI_110607SGEP3724.E2	07-JUN-2011	14:16:11.716
EGOI_110607SGEP3732.E2	07-JUN-2011	15:57:25.834

[[BACK TO MENU](#)]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	84328	07-JUN-2011	06:17:38.839	06:23:23.823	344.98400
KS	84329	07-JUN-2011	07:56:42.145	08:03:07.939	385.79400
KS	84330	07-JUN-2011	09:36:18.518	09:42:34.042	375.52400
KS	84331	07-JUN-2011	11:15:52.471	11:22:06.157	373.68600
KS	84332	07-JUN-2011	12:55:06.353	13:01:06.753	360.40000
KS	84333	07-JUN-2011	14:33:51.554	14:39:47.861	356.30700
KS	84334	07-JUN-2011	16:11:32.922	16:17:22.954	350.03200
KS	84335	07-JUN-2011	17:49:27.398	17:55:05.554	338.15600
KS	84336	07-JUN-2011	19:28:00.449	19:33:12.150	311.70100
KS	84337	07-JUN-2011	21:08:19.631	21:13:24.765	305.13400
KS	84338	07-JUN-2011	22:50:57.520	22:56:35.897	338.37700
GS	84325	07-JUN-2011	00:59:22.513	01:05:26.395	363.88200

GS	84327	07-JUN-2011	04:16:47.409	04:23:09.593	382.18400
MS	84331	07-JUN-2011	11:28:48.906	11:35:48.238	419.33200
MS	84332	07-JUN-2011	13:09:38.679	13:15:47.344	368.66500
MS	84338	07-JUN-2011	22:38:18.713	22:43:16.312	297.59900
MA	84329	07-JUN-2011	08:06:33.526	08:11:48.492	314.96600
MA	84330	07-JUN-2011	09:44:21.696	09:50:10.086	348.39000
MA	84337	07-JUN-2011	21:00:04.105	21:08:03.728	479.62300
MA	84338	07-JUN-2011	22:45:40.981	22:48:37.347	176.36600
MI	84326	07-JUN-2011	02:32:00.884	02:38:25.456	384.57200
MI	84327	07-JUN-2011	04:10:42.491	04:17:17.058	394.56700
MI	84333	07-JUN-2011	14:52:15.712	14:57:44.966	329.25400
MI	84334	07-JUN-2011	16:30:29.450	16:36:05.068	335.61800
CM	84334	07-JUN-2011	16:33:06.540	16:37:53.080	286.54000

[[BACK TO MENU](#)]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	84324	07-JUN-2011	00:03:36.683	00:18:10.307	873.62400
MM	84324	07-JUN-2011	00:14:45.797	00:26:02.050	676.25300
HO	84325	07-JUN-2011	01:45:47.492	01:56:09.934	622.44200
MM	84325	07-JUN-2011	01:56:58.468	02:06:18.136	559.66800
BE	84326	07-JUN-2011	03:01:42.570	03:15:07.690	805.12000
MM	84326	07-JUN-2011	03:39:58.876	03:46:57.547	418.67100
GS	84326	07-JUN-2011	02:35:44.914	02:49:35.599	830.68500
SG	84326	07-JUN-2011	03:12:48.619	03:26:33.746	825.12700
BE	84327	07-JUN-2011	04:42:19.351	04:51:45.912	566.56100
MM	84327	07-JUN-2011	05:22:46.473	05:28:32.957	346.48400
MM	84328	07-JUN-2011	07:04:16.433	07:11:24.348	427.91500
JO	84328	07-JUN-2011	06:44:57.806	06:55:21.828	624.02200
MM	84329	07-JUN-2011	08:44:53.318	08:54:22.574	569.25600
JO	84329	07-JUN-2011	08:21:20.671	08:36:21.356	900.68500
MM	84330	07-JUN-2011	10:25:08.088	10:36:30.735	682.64700
JO	84330	07-JUN-2011	10:05:02.948	10:12:16.296	433.34800
MM	84331	07-JUN-2011	12:05:08.971	12:17:34.184	745.21300
MA	84331	07-JUN-2011	11:25:28.501	11:33:40.290	491.78900
MM	84332	07-JUN-2011	13:44:55.918	13:57:39.711	763.79300

SG	84332	07-JUN-2011	14:10:46.580	14:19:55.732	549.15200
BE	84333	07-JUN-2011	14:18:21.873	14:31:44.320	802.44700
MM	84333	07-JUN-2011	15:24:27.060	15:37:05.311	758.25100
GS	84333	07-JUN-2011	14:45:34.828	14:56:23.627	648.79900
BE	84334	07-JUN-2011	16:02:00.166	16:08:31.296	391.13000
MM	84334	07-JUN-2011	17:03:42.546	17:16:14.170	751.62400
GS	84334	07-JUN-2011	16:24:31.020	16:38:13.530	822.51000
MM	84335	07-JUN-2011	18:42:50.540	18:55:26.642	756.10200
GS	84335	07-JUN-2011	18:05:14.212	18:14:04.355	530.14300
JO	84335	07-JUN-2011	19:05:16.280	19:12:58.637	462.35700
MM	84336	07-JUN-2011	20:22:09.646	20:34:53.476	763.83000
MA	84336	07-JUN-2011	19:24:22.868	19:33:29.829	546.96100
JO	84336	07-JUN-2011	20:41:24.197	20:56:25.443	901.24600
HO	84337	07-JUN-2011	21:56:39.676	22:06:24.232	584.55600
MM	84337	07-JUN-2011	22:02:03.482	22:14:36.689	753.20700
JO	84337	07-JUN-2011	22:22:29.866	22:32:38.841	608.97500
HO	84338	07-JUN-2011	23:32:31.286	23:46:53.395	862.10900
MM	84338	07-JUN-2011	23:42:51.705	23:54:34.336	702.63100

[[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

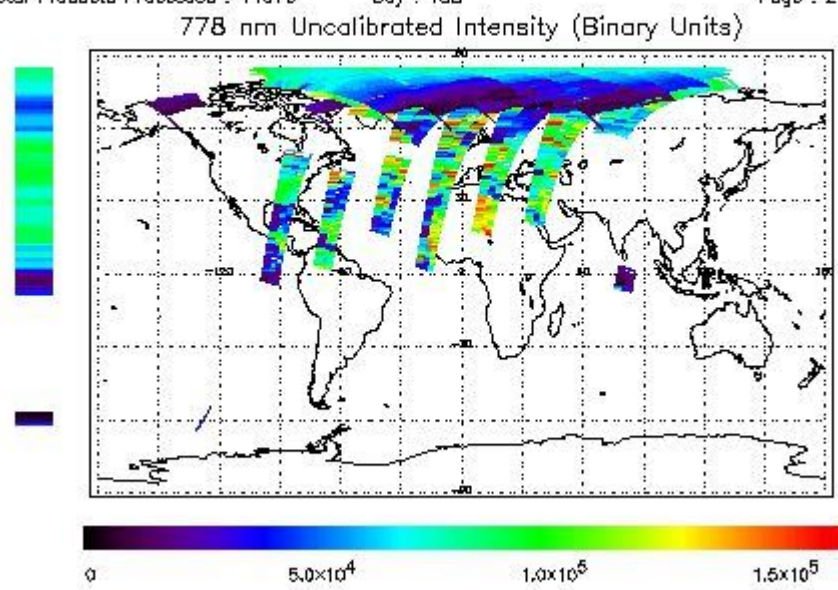
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected 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 explanation see the [GOME Performance Legend](#)

NEAR IR Intensity

First Product : 07-JUN-2011 00:59:21.851 : ORBIT : 84325.0898
 Last Product : 07-JUN-2011 23:07:02.956 : ORBIT : 84338.2877
 Total Products Processed : 14976 Day : 158 Page : 21

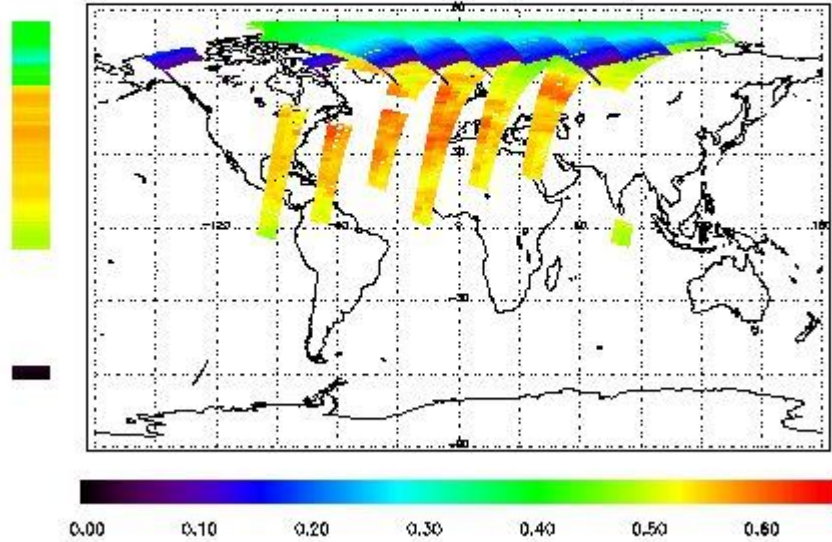


Ozone Line Ratio

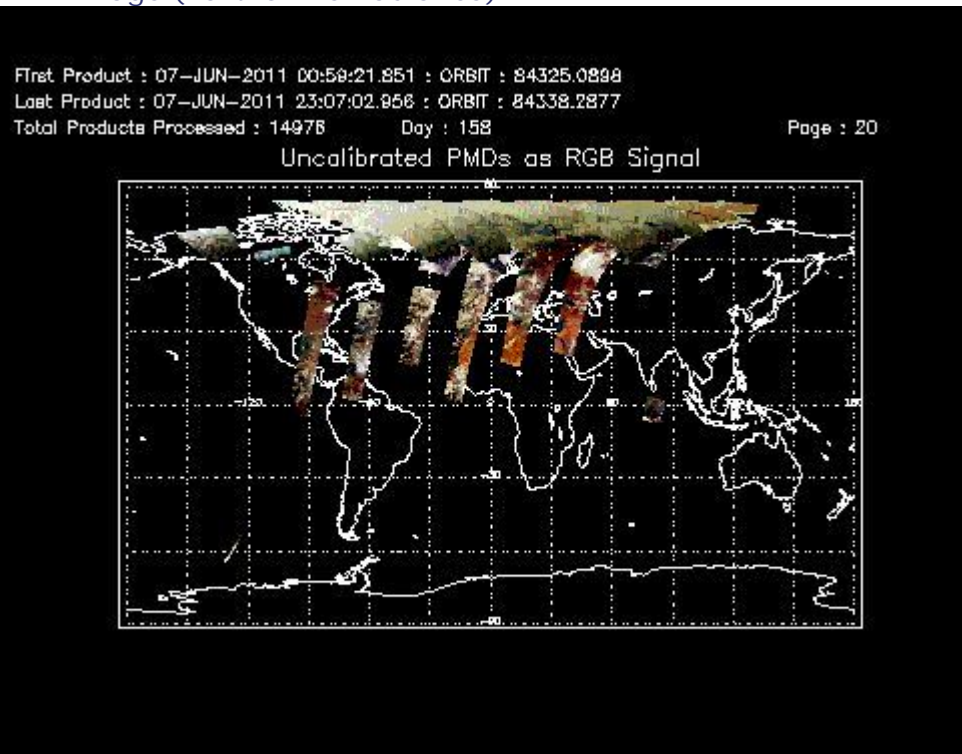
First Product : 07-JUN-2011 00:59:21.851 : ORBIT : 84325.0898
 Last Product : 07-JUN-2011 23:07:02.956 : ORBIT : 84338.2877
 Total Products Processed : 14976 Day : 158

Page : 20

331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed



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	Warm Detector Temperature (TST/44)	Max PMD Readout during solar calibration (BU set 2/12)
--	17:56:29.561	--	84335	--	--	--

3.2 - Lamp Calibration (Quarterly/TST44)

Quarterly(Q)/TST44(T)	Start Time	End Time	Orbit	Ground Station Visibility	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	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
--	--	--	--

5.6 - Seasonal Operations

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

[[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