

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	10-OCT-2010
Start Time of First Product	23:54:29 (09-Oct)
Stop Time of Last Product	23:46:46
Number of EGOI Products analysed	--
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_101010GSEP6807.E2	10-OCT-2010	01:41:41.179
EGOI_101010GSEP6835.E2	10-OCT-2010	03:20:14.790
EGOI_101010GSEP6844.E2	10-OCT-2010	05:03:07.921
EGOI_101010KSEP1056.E2	10-OCT-2010	07:01:43.142
EGOI_101010KSEP1074.E2	10-OCT-2010	08:41:42.257
EGOI_101010KSEP1094.E2	10-OCT-2010	10:21:21.872
EGOI_101010KSEP1115.E2	10-OCT-2010	12:00:52.479
EGOI_101010KSEP1132.E2	10-OCT-2010	13:39:48.586
EGOI_101010KSEP1157.E2	10-OCT-2010	15:18:25.194

EGOI_101010KSEP1186.E2	10-OCT-2010	16:55:52.793
EGOI_101010KSEP1217.E2	10-OCT-2010	18:33:48.892
EGOI_101010KSEP1248.E2	10-OCT-2010	20:12:38.999
EGOI_101010KSEP1275.E2	10-OCT-2010	21:53:50.126
EGOI_101010KSEP1299.E2	10-OCT-2010	23:37:22.256
EGOI_101010MAEP8106.E2	10-OCT-2010	08:49:15.303
EGOI_101010MAEP8118.E2	10-OCT-2010	10:28:47.415
EGOI_101010MAEP8141.E2	10-OCT-2010	20:06:16.464
EGOI_101010MAEP8159.E2	10-OCT-2010	21:45:50.071
EGOI_101010MIEP2948.E2	10-OCT-2010	01:42:21.686
EGOI_101010MIEP2971.E2	10-OCT-2010	03:15:43.262
EGOI_101010MIEP2996.E2	10-OCT-2010	04:57:37.885
EGOI_101010MIEP3013.E2	10-OCT-2010	15:35:55.303
EGOI_101010MIEP3038.E2	10-OCT-2010	17:16:16.914
EGOI_101010MMEP6408.E2	10-OCT-2010	00:59:42.424
EGOI_101010MMEP6415.E2	10-OCT-2010	02:42:05.551
EGOI_101010MMEP6424.E2	10-OCT-2010	11:09:26.662
EGOI_101010MMEP6433.E2	10-OCT-2010	12:49:18.277
EGOI_101010MMEP6442.E2	10-OCT-2010	16:08:37.503
EGOI_101010MMEP6448.E2	10-OCT-2010	17:48:41.114
EGOI_101010MSEP2433.E2	09-OCT-2010	23:54:28.525
EGOI_101010MSEP2456.E2	10-OCT-2010	10:35:32.454
EGOI_101010MSEP2484.E2	10-OCT-2010	12:14:00.061
EGOI_101010MSEP2500.E2	10-OCT-2010	21:45:38.071
EGOI_101010MSEP2532.E2	10-OCT-2010	23:22:53.670
EGOI_101010SGEP8557.E2	10-OCT-2010	02:20:18.918
EGOI_101010SGEP8565.E2	10-OCT-2010	03:57:46.513
EGOI_101010SGEP8572.E2	10-OCT-2010	14:55:34.053
EGOI_101010SGEP8577.E2	10-OCT-2010	16:34:10.660

[[BACK TO MENU](#)]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	80893	10-OCT-2010	06:59:56.240	07:01:43.142	106.90200
KS	80894	10-OCT-2010	08:39:22.484	08:41:42.256	139.77200
KS	80895	10-OCT-2010	10:19:00.105	10:21:21.872	141.76700
KS	80896	10-OCT-2010	11:58:27.688	12:00:52.478	144.79000
KS	80897	10-OCT-2010	13:37:27.035	13:39:48.586	141.55100
KS	80898	10-OCT-2010	15:15:45.519	15:18:25.194	159.67500
KS	80899	10-OCT-2010	16:53:24.458	16:55:52.792	148.33400
KS	80900	10-OCT-2010	18:31:27.763	18:33:48.892	141.12900
KS	80901	10-OCT-2010	20:10:45.835	20:12:38.998	113.16300

KS	80902	10-OCT-2010	21:51:58.868	21:53:50.125	111.25700
KS	80903	10-OCT-2010	23:35:56.766	23:37:22.255	85.489000
GS	80890	10-OCT-2010	01:40:05.196	01:41:41.179	95.983000
GS	80891	10-OCT-2010	03:18:25.735	03:20:14.789	109.05400
MS	80889	09-OCT-2010	23:52:23.174	23:54:28.525	125.35100
MS	80895	10-OCT-2010	10:33:07.043	10:35:32.454	145.41100
MS	80896	10-OCT-2010	12:11:30.017	12:14:00.060	150.04300
MS	80903	10-OCT-2010	23:20:37.434	23:22:53.670	136.23600
MA	80894	10-OCT-2010	08:47:50.090	08:49:15.302	85.212000
MA	80895	10-OCT-2010	10:27:01.876	10:28:47.414	105.53800
MA	80901	10-OCT-2010	20:03:38.755	20:06:16.464	157.70900
MA	80902	10-OCT-2010	21:43:49.479	21:45:50.070	120.59100
MI	80891	10-OCT-2010	03:13:29.456	03:15:43.261	133.80500
MI	80892	10-OCT-2010	04:55:32.517	04:57:37.884	125.36700
MI	80898	10-OCT-2010	15:33:42.905	15:35:55.303	132.39800
MI	80899	10-OCT-2010	17:14:05.274	17:16:16.913	131.63900
MM	80889	10-OCT-2010	00:58:26.436	00:59:42.424	75.988000
MM	80890	10-OCT-2010	02:41:03.674	02:42:05.550	61.876000
MM	80895	10-OCT-2010	11:08:01.516	11:09:26.661	85.145000
MM	80896	10-OCT-2010	12:47:56.611	12:49:18.277	81.666000
MM	80898	10-OCT-2010	16:07:01.105	16:08:37.502	96.397000
MM	80899	10-OCT-2010	17:46:11.744	17:48:41.113	149.36900
SG	80890	10-OCT-2010	02:18:02.263	02:20:18.917	136.65400
SG	80891	10-OCT-2010	03:55:28.580	03:57:46.513	137.93300
SG	80897	10-OCT-2010	14:51:13.875	14:55:34.052	260.17700
SG	80898	10-OCT-2010	16:31:25.165	16:34:10.660	165.49500

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	80889	10-OCT-2010	00:46:36.605	01:00:36.379	839.77400
KS	80889	10-OCT-2010	00:09:39.763	00:14:06.320	266.55700
BE	80890	10-OCT-2010	02:05:22.707	02:17:27.974	725.26700
BE	80891	10-OCT-2010	03:44:30.010	03:57:14.135	764.12500
MM	80891	10-OCT-2010	04:24:08.953	04:30:20.076	371.12300
CM	80891	10-OCT-2010	03:13:31.520	03:24:03.358	631.83800

CM	80891	10-OCT-2010	04:52:28.906	05:03:21.852	652.94600
MM	80892	10-OCT-2010	06:06:26.114	06:12:31.249	365.13500
MM	80893	10-OCT-2010	07:47:27.634	07:55:35.916	488.28200
JO	80893	10-OCT-2010	07:25:23.459	07:39:11.748	828.28900
MM	80894	10-OCT-2010	09:27:52.987	09:38:16.600	623.61300
JO	80894	10-OCT-2010	09:04:35.004	09:18:25.465	830.46100
HO	80895	10-OCT-2010	11:18:38.842	11:28:55.494	616.65200
HO	80896	10-OCT-2010	12:56:33.149	13:11:22.586	889.43700
HO	80897	10-OCT-2010	14:36:49.155	14:48:20.783	691.62800
MM	80897	10-OCT-2010	14:27:37.011	14:40:19.976	762.96500
SG	80897	10-OCT-2010	14:51:13.875	15:04:18.531	784.65600
BE	80898	10-OCT-2010	15:01:41.928	15:13:56.695	734.76700
GS	80898	10-OCT-2010	15:27:43.662	15:41:23.724	820.06200
CM	80898	10-OCT-2010	15:37:12.912	15:47:51.461	638.54900
GS	80899	10-OCT-2010	17:07:26.118	17:19:54.855	748.73700
CM	80899	10-OCT-2010	17:16:18.726	17:27:04.861	646.13500
MM	80900	10-OCT-2010	19:25:21.696	19:38:01.818	760.12200
JO	80900	10-OCT-2010	19:45:27.844	19:58:33.731	785.88700
MM	80901	10-OCT-2010	21:04:52.871	21:17:35.791	762.92000
JO	80901	10-OCT-2010	21:24:11.635	21:38:31.367	859.73200
HO	80902	10-OCT-2010	22:37:02.666	22:49:42.878	760.21200
MM	80902	10-OCT-2010	22:45:08.038	22:57:25.451	737.41300

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1.5 - List of corrupted products

Station	Orbit	Time
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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	Polar View operated
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

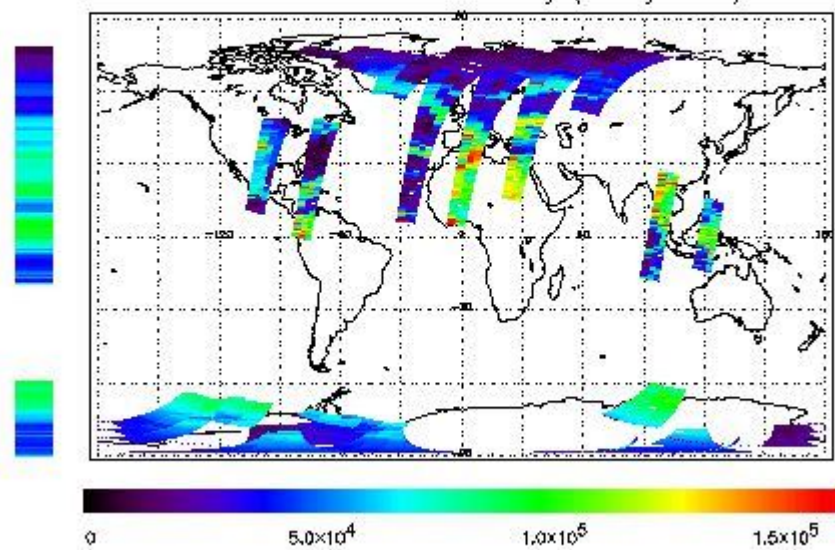
2.2 - Daily Plots

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 : 09-OCT-2010 23:54:28.525 : ORBIT : 80889.0162
 Last Product : 10-OCT-2010 23:48:46.314 : ORBIT : 80903.2540
 Total Products Processed : 18528 Day : 283 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

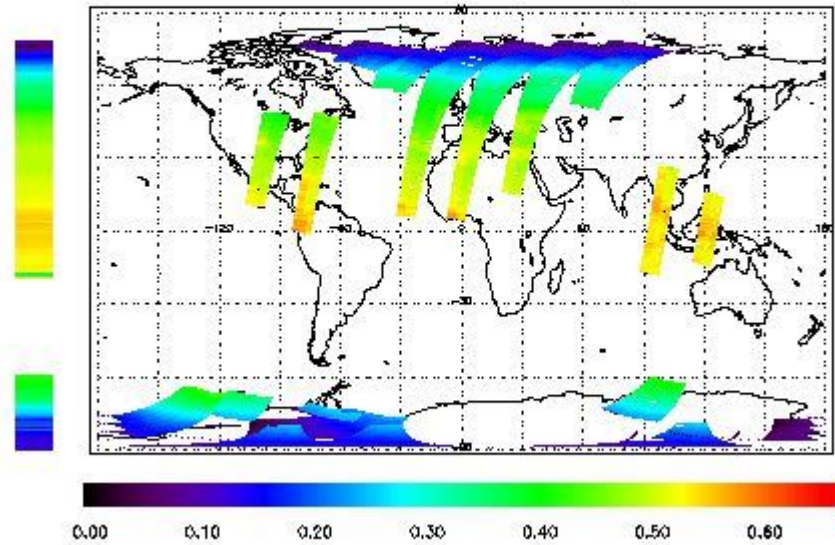


Ozone Line Ratio

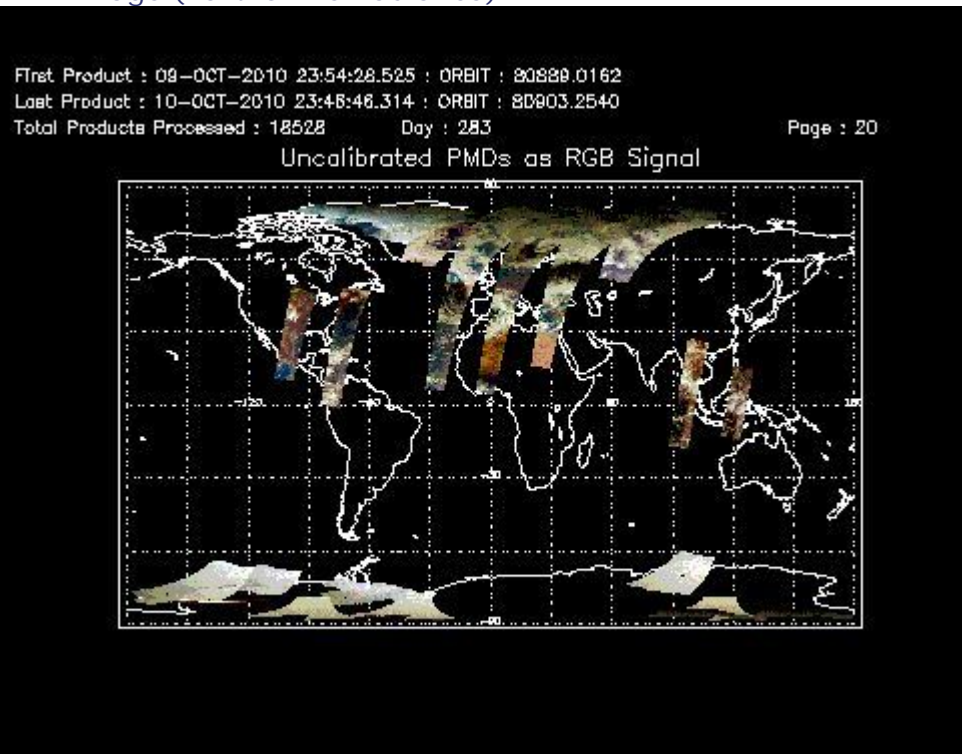
First Product : 09-OCT-2010 23:54:28.525 : ORBIT : 80889.0162
 Last Product : 10-OCT-2010 23:46:46.314 : ORBIT : 80903.2540
 Total Products Processed : 18528 Day : 283

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)
D	13:43:09.609	--	80897	Yes	--	15331

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)
--	--	--	--	--	--	--	--

4 - Instrument Anomalies

4.1 - Single Event Upset (SEU)

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

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
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