

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	08-MAY-2011
Start Time of First Product	00:59:01
Stop Time of Last Product	23:06:59
Number of EGOI Products analysed	33
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_110508CMEP6354.E2	08-MAY-2011	02:39:05.021
EGOI_110508CMEP6360.E2	08-MAY-2011	04:14:47.607
EGOI_110508GSEP1649.E2	08-MAY-2011	01:05:13.451
EGOI_110508GSEP1678.E2	08-MAY-2011	02:41:56.041
EGOI_110508GSEP1706.E2	08-MAY-2011	04:23:05.662
EGOI_110508GSEP1714.E2	08-MAY-2011	06:05:10.782
EGOI_110508HLEP0221.E2	08-MAY-2011	14:09:58.750
EGOI_110508HLEP0229.E2	08-MAY-2011	15:42:24.810
EGOI_110508HLEP0235.E2	08-MAY-2011	22:01:42.128

EGOI_110508KSEP9554.E2	08-MAY-2011	06:23:16.888
EGOI_110508KSEP9578.E2	08-MAY-2011	08:03:04.005
EGOI_110508KSEP9604.E2	08-MAY-2011	09:42:30.114
EGOI_110508KSEP9625.E2	08-MAY-2011	11:22:02.225
EGOI_110508KSEP9643.E2	08-MAY-2011	13:01:01.323
EGOI_110508KSEP9651.E2	08-MAY-2011	14:39:43.930
EGOI_110508KSEP9666.E2	08-MAY-2011	16:17:23.524
EGOI_110508KSEP9694.E2	08-MAY-2011	17:55:01.627
EGOI_110508KSEP9726.E2	08-MAY-2011	19:33:05.221
EGOI_110508KSEP9748.E2	08-MAY-2011	21:13:40.335
EGOI_110508KSEP9765.E2	08-MAY-2011	22:56:33.464
EGOI_110508MAEP6837.E2	08-MAY-2011	08:11:50.556
EGOI_110508MAEP6858.E2	08-MAY-2011	09:49:58.657
EGOI_110508MAEP6881.E2	08-MAY-2011	21:05:37.283
EGOI_110508MAEP6894.E2	08-MAY-2011	22:48:36.421
EGOI_110508MIEP1328.E2	08-MAY-2011	02:37:59.017
EGOI_110508MIEP1357.E2	08-MAY-2011	04:16:49.119
EGOI_110508MIEP1383.E2	08-MAY-2011	14:57:15.539
EGOI_110508MIEP1413.E2	08-MAY-2011	16:35:32.634
EGOI_110508MSEP6846.E2	08-MAY-2011	00:59:19.412
EGOI_110508MSEP6861.E2	08-MAY-2011	09:58:33.213
EGOI_110508MSEP6890.E2	08-MAY-2011	11:35:02.299
EGOI_110508MSEP6914.E2	08-MAY-2011	13:15:43.414
EGOI_110508MSEP6944.E2	08-MAY-2011	22:43:19.886

[[BACK TO MENU](#)]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
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[[BACK TO MENU](#)]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	83895	08-MAY-2011	00:46:36.606	01:00:36.380	839.77400
MM	83895	08-MAY-2011	00:58:26.437	01:08:58.401	631.96400
MS	83895	07-MAY-2011	23:52:23.175	00:04:55.790	752.61500
KS	83895	08-MAY-2011	00:09:39.764	00:14:06.321	266.55700
BE	83896	08-MAY-2011	02:05:22.707	02:17:27.974	725.26700
MM	83896	08-MAY-2011	02:41:03.674	02:49:22.450	498.77600
GS	83896	08-MAY-2011	01:40:05.196	01:52:23.677	738.48100
SG	83896	08-MAY-2011	02:18:02.263	02:28:05.598	603.33500
BE	83897	08-MAY-2011	03:44:30.011	03:57:14.136	764.12500

MM	83897	08-MAY-2011	04:24:08.954	04:30:20.077	371.12300
MI	83897	08-MAY-2011	03:13:29.457	03:26:45.306	795.84900
GS	83897	08-MAY-2011	03:18:25.736	03:32:09.936	824.20000
SG	83897	08-MAY-2011	03:55:28.581	04:08:51.433	802.85200
CM	83897	08-MAY-2011	03:13:31.522	03:24:03.359	631.83700
CM	83897	08-MAY-2011	04:52:28.907	05:03:21.853	652.94600
MM	83898	08-MAY-2011	06:06:26.115	06:12:31.250	365.13500
MI	83898	08-MAY-2011	04:55:32.518	05:03:52.186	499.66800
MM	83899	08-MAY-2011	07:47:27.635	07:55:35.917	488.28200
KS	83899	08-MAY-2011	06:59:56.241	07:09:22.305	566.06400
JO	83899	08-MAY-2011	07:25:23.460	07:39:11.749	828.28900
MM	83900	08-MAY-2011	09:27:52.988	09:38:16.601	623.61300
KS	83900	08-MAY-2011	08:39:22.485	08:52:30.200	787.71500
MA	83900	08-MAY-2011	08:47:50.091	09:00:12.841	742.75000
JO	83900	08-MAY-2011	09:04:35.005	09:18:25.466	830.46100
HO	83901	08-MAY-2011	11:18:38.843	11:28:55.495	616.65200
MM	83901	08-MAY-2011	11:08:01.517	11:19:57.218	715.70100
KS	83901	08-MAY-2011	10:19:00.106	10:32:59.748	839.64200
MA	83901	08-MAY-2011	10:27:01.877	10:39:07.108	725.23100
MS	83901	08-MAY-2011	10:33:07.044	10:43:44.826	637.78200
HO	83902	08-MAY-2011	12:56:33.150	13:11:22.587	889.43700
MM	83902	08-MAY-2011	12:47:56.612	13:00:34.212	757.60000
KS	83902	08-MAY-2011	11:58:27.689	12:11:47.243	799.55400
MS	83902	08-MAY-2011	12:11:30.018	12:24:22.827	772.80900
HO	83903	08-MAY-2011	14:36:49.155	14:48:20.783	691.62800
MM	83903	08-MAY-2011	14:27:37.011	14:40:19.976	762.96500
KS	83903	08-MAY-2011	13:37:27.035	13:49:36.712	729.67700
SG	83903	08-MAY-2011	14:51:13.875	15:04:18.531	784.65600
BE	83904	08-MAY-2011	15:01:41.929	15:13:56.696	734.76700
MM	83904	08-MAY-2011	16:07:01.106	16:19:35.517	754.41100
MI	83904	08-MAY-2011	15:33:42.906	15:46:45.391	782.48500
KS	83904	08-MAY-2011	15:15:45.520	15:27:25.915	700.39500
GS	83904	08-MAY-2011	15:27:43.663	15:41:23.725	820.06200
SG	83904	08-MAY-2011	16:31:25.166	16:42:19.940	654.77400
CM	83904	08-MAY-2011	15:37:12.913	15:47:51.462	638.54900
MM	83905	08-MAY-2011	17:46:11.745	17:58:43.918	752.17300

MI	83905	08-MAY-2011	17:14:05.275	17:24:13.996	608.72100
KS	83905	08-MAY-2011	16:53:24.459	17:05:56.652	752.19300
GS	83905	08-MAY-2011	17:07:26.119	17:19:54.856	748.73700
CM	83905	08-MAY-2011	17:16:18.727	17:27:04.862	646.13500
MM	83906	08-MAY-2011	19:25:21.697	19:38:01.819	760.12200
KS	83906	08-MAY-2011	18:31:27.764	18:45:07.881	820.11700
JO	83906	08-MAY-2011	19:45:27.845	19:58:33.732	785.88700
MM	83907	08-MAY-2011	21:04:52.872	21:17:35.792	762.92000
MA	83907	08-MAY-2011	20:03:38.756	20:17:06.453	807.69700
KS	83907	08-MAY-2011	20:10:45.836	20:24:40.794	834.95800
JO	83907	08-MAY-2011	21:24:11.636	21:38:31.368	859.73200
HO	83908	08-MAY-2011	22:37:02.667	22:49:42.879	760.21200
MM	83908	08-MAY-2011	22:45:08.039	22:57:25.452	737.41300
MA	83908	08-MAY-2011	21:43:49.480	21:56:01.371	731.89100
KS	83908	08-MAY-2011	21:51:58.869	22:04:17.751	738.88200
MS	83909	08-MAY-2011	23:20:37.435	23:33:59.928	802.49300
KS	83909	08-MAY-2011	23:35:56.767	23:43:27.867	451.10000

[BACK TO MENU]

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	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

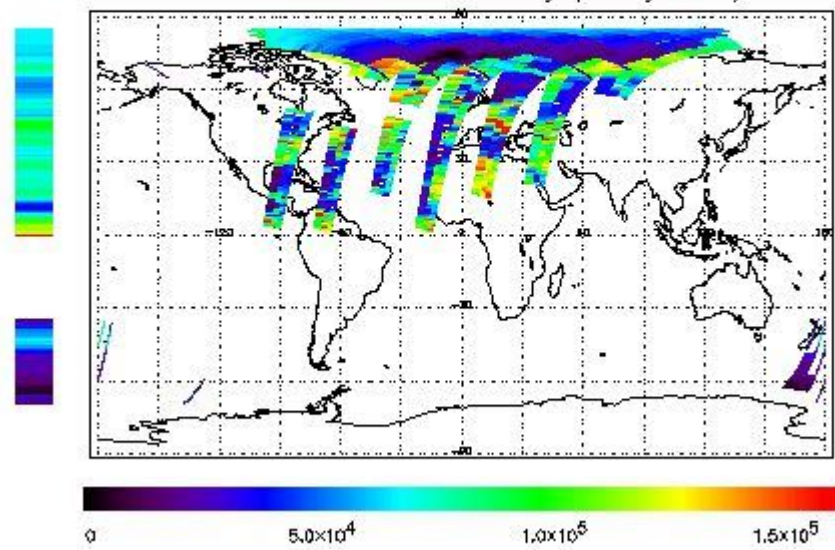
2.2 - Daily Plots

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 : 08-MAY-2011 00:59:19.412 : ORBIT : 83895.6609
 Last Product : 08-MAY-2011 23:06:59.026 : ORBIT : 83908.8584
 Total Products Processed : 14253 Day : 128 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

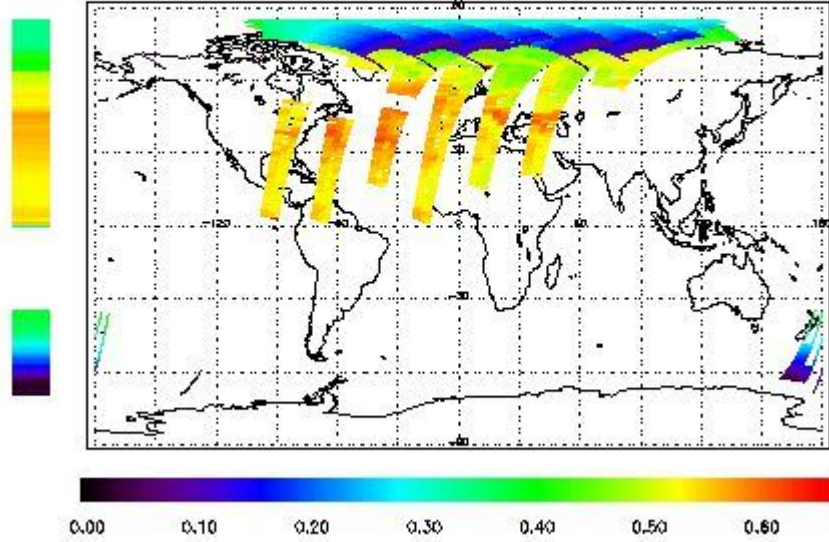


Ozone Line Ratio

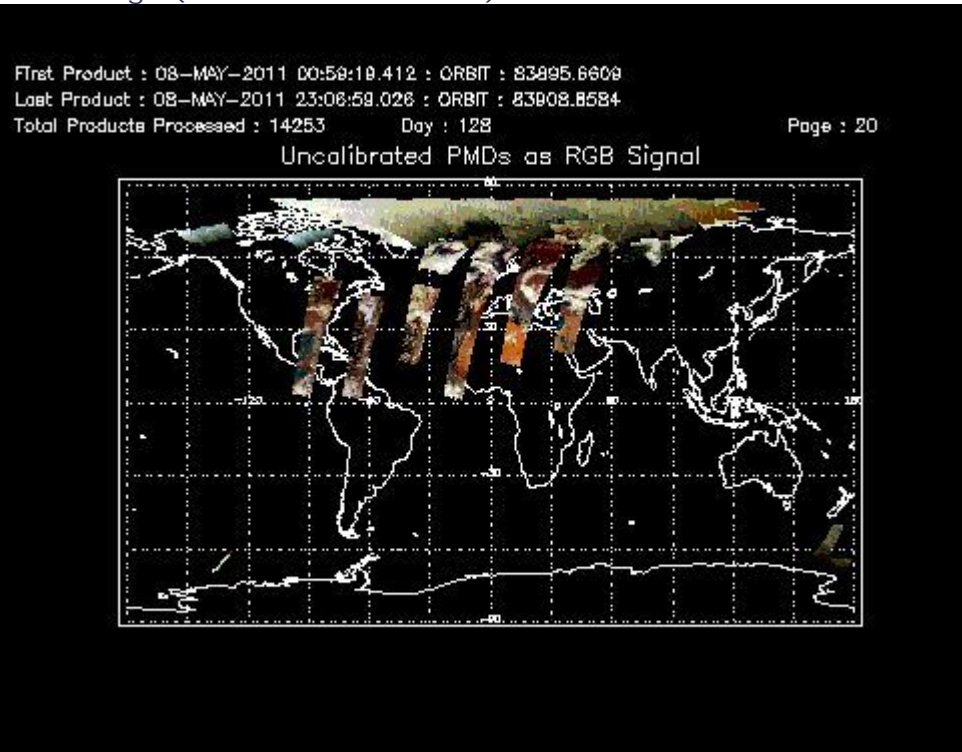
First Product : 08-MAY-2011 00:59:19.412 : ORBIT : 83895.6609
 Last Product : 08-MAY-2011 23:06:59.026 : ORBIT : 83908.8584
 Total Products Processed : 14253 Day : 128

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	17:58:03.138	--	83905	Yes	--	14695

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)
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[BACK TO MENU]

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
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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
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[BACK TO MENU]

5 - Instrument Operations

Additional Info

5.1 - Timeline Interruptions

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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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
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5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
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[[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