

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-FEB-2010
Start Time of First Product	23:54:22 (07-Feb)
Stop Time of Last Product	23:46:40
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_100207GSEP9146.E2	07-FEB-2010	01:41:37.485
EGOI_100207GSEP9175.E2	07-FEB-2010	03:20:00.592
EGOI_100207GSEP9184.E2	07-FEB-2010	05:02:59.731
EGOI_100207KSEP2356.E2	07-FEB-2010	07:01:34.963
EGOI_100207KSEP2377.E2	07-FEB-2010	08:41:32.575
EGOI_100207KSEP2401.E2	07-FEB-2010	10:21:13.694
EGOI_100207KSEP2426.E2	07-FEB-2010	12:00:44.306
EGOI_100207KSEP2446.E2	07-FEB-2010	13:39:40.414
EGOI_100207KSEP2461.E2	07-FEB-2010	15:18:20.022

EGOI_100207KSEP2481.E2	07-FEB-2010	16:55:46.123
EGOI_100207KSEP2514.E2	07-FEB-2010	18:33:43.730
EGOI_100207KSEP2549.E2	07-FEB-2010	20:12:32.334
EGOI_100207KSEP2580.E2	07-FEB-2010	21:53:41.962
EGOI_100207KSEP2606.E2	07-FEB-2010	23:37:15.594
EGOI_100207MAEP8630.E2	07-FEB-2010	08:49:02.626
EGOI_100207MAEP8640.E2	07-FEB-2010	10:28:39.233
EGOI_100207MAEP8663.E2	07-FEB-2010	20:05:57.795
EGOI_100207MIEP2538.E2	07-FEB-2010	01:42:19.489
EGOI_100207MIEP2558.E2	07-FEB-2010	03:15:33.565
EGOI_100207MIEP2582.E2	07-FEB-2010	04:57:31.192
EGOI_100207MIEP2609.E2	07-FEB-2010	15:35:45.629
EGOI_100207MIEP2637.E2	07-FEB-2010	17:16:08.744
EGOI_100207MMEP3338.E2	07-FEB-2010	00:59:37.227
EGOI_100207MMEP3344.E2	07-FEB-2010	02:41:58.857
EGOI_100207MMEP3351.E2	07-FEB-2010	06:06:58.622
EGOI_100207MMEP3358.E2	07-FEB-2010	07:48:20.246
EGOI_100207MMEP3369.E2	07-FEB-2010	14:28:51.212
EGOI_100207MMEP3380.E2	07-FEB-2010	22:46:33.281
EGOI_100207MSEP4124.E2	06-FEB-2010	23:54:21.822
EGOI_100207MSEP4146.E2	07-FEB-2010	10:35:27.280
EGOI_100207MSEP4175.E2	07-FEB-2010	12:13:51.884
EGOI_100207MSEP4203.E2	07-FEB-2010	21:45:32.911
EGOI_100207MSEP4234.E2	07-FEB-2010	23:22:36.504

[[BACK TO MENU](#)]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77386	07-FEB-2010	06:59:56.239	07:01:34.962	98.723000
KS	77387	07-FEB-2010	08:39:22.483	08:41:32.575	130.09200
KS	77388	07-FEB-2010	10:19:00.104	10:21:13.693	133.58900
KS	77389	07-FEB-2010	11:58:27.687	12:00:44.305	136.61800
KS	77390	07-FEB-2010	13:37:27.034	13:39:40.414	133.38000
KS	77391	07-FEB-2010	15:15:45.518	15:18:20.022	154.50400
KS	77392	07-FEB-2010	16:53:24.457	16:55:46.122	141.66500
KS	77393	07-FEB-2010	18:31:27.762	18:33:43.729	135.96700
KS	77394	07-FEB-2010	20:10:45.834	20:12:32.334	106.50000
KS	77395	07-FEB-2010	21:51:58.867	21:53:41.961	103.09400
KS	77396	07-FEB-2010	23:35:56.765	23:37:15.594	78.829000
GS	77383	07-FEB-2010	01:40:05.195	01:41:37.484	92.289000
GS	77384	07-FEB-2010	03:18:25.734	03:20:00.591	94.857000

MS	77382	06-FEB-2010	23:52:23.173	23:54:21.822	118.64900
MS	77388	07-FEB-2010	10:33:07.042	10:35:27.280	140.23800
MS	77389	07-FEB-2010	12:11:30.016	12:13:51.883	141.86700
MS	77396	07-FEB-2010	23:20:37.433	23:22:36.503	119.07000
MA	77387	07-FEB-2010	08:47:50.089	08:49:02.626	72.537000
MA	77388	07-FEB-2010	10:27:01.875	10:28:39.233	97.358000
MA	77394	07-FEB-2010	20:03:38.754	20:05:57.794	139.04000
MI	77384	07-FEB-2010	03:13:29.455	03:15:33.564	124.10900
MI	77385	07-FEB-2010	04:55:32.516	04:57:31.192	118.67600
MI	77391	07-FEB-2010	15:33:42.904	15:35:45.628	122.72400
MI	77392	07-FEB-2010	17:14:05.273	17:16:08.744	123.47100
MM	77382	07-FEB-2010	00:58:26.435	00:59:37.227	70.792000
MM	77390	07-FEB-2010	14:27:37.010	14:28:51.212	74.202000
MM	77395	07-FEB-2010	22:45:08.037	22:46:33.281	85.244000

[[BACK TO MENU](#)]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	77382	07-FEB-2010	00:46:36.604	01:00:36.378	839.77400
KS	77382	07-FEB-2010	00:09:39.762	00:14:06.319	266.55700
BE	77383	07-FEB-2010	02:05:22.706	02:17:27.973	725.26700
SG	77383	07-FEB-2010	02:18:02.262	02:28:05.597	603.33500
BE	77384	07-FEB-2010	03:44:30.009	03:57:14.134	764.12500
MM	77384	07-FEB-2010	04:24:08.952	04:30:20.075	371.12300
SG	77384	07-FEB-2010	03:55:28.579	04:08:51.431	802.85200
CM	77384	07-FEB-2010	03:13:31.520	03:24:03.357	631.83700
CM	77384	07-FEB-2010	04:52:28.905	05:03:21.851	652.94600
JO	77386	07-FEB-2010	07:25:23.458	07:39:11.747	828.28900
MM	77387	07-FEB-2010	09:27:52.986	09:38:16.599	623.61300
JO	77387	07-FEB-2010	09:04:35.003	09:18:25.464	830.46100
HO	77388	07-FEB-2010	11:18:38.841	11:28:55.493	616.65200
MM	77388	07-FEB-2010	11:08:01.515	11:19:57.216	715.70100
HO	77389	07-FEB-2010	12:56:33.148	13:11:22.585	889.43700
MM	77389	07-FEB-2010	12:47:56.610	13:00:34.210	757.60000
HO	77390	07-FEB-2010	14:36:49.154	14:48:20.782	691.62800
SG	77390	07-FEB-2010	14:51:13.874	15:04:18.530	784.65600

BE	77391	07-FEB-2010	15:01:41.927	15:13:56.694	734.76700
MM	77391	07-FEB-2010	16:07:01.104	16:19:35.515	754.41100
GS	77391	07-FEB-2010	15:27:43.661	15:41:23.723	820.06200
SG	77391	07-FEB-2010	16:31:25.164	16:42:19.938	654.77400
CM	77391	07-FEB-2010	15:37:12.911	15:47:51.460	638.54900
MM	77392	07-FEB-2010	17:46:11.743	17:58:43.916	752.17300
GS	77392	07-FEB-2010	17:07:26.117	17:19:54.854	748.73700
CM	77392	07-FEB-2010	17:16:18.725	17:27:04.860	646.13500
MM	77393	07-FEB-2010	19:25:21.695	19:38:01.817	760.12200
JO	77393	07-FEB-2010	19:45:27.843	19:58:33.730	785.88700
MM	77394	07-FEB-2010	21:04:52.870	21:17:35.790	762.92000
JO	77394	07-FEB-2010	21:24:11.634	21:38:31.366	859.73200
HO	77395	07-FEB-2010	22:37:02.665	22:49:42.877	760.21200
MA	77395	07-FEB-2010	21:43:49.478	21:56:01.369	731.89100

[[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

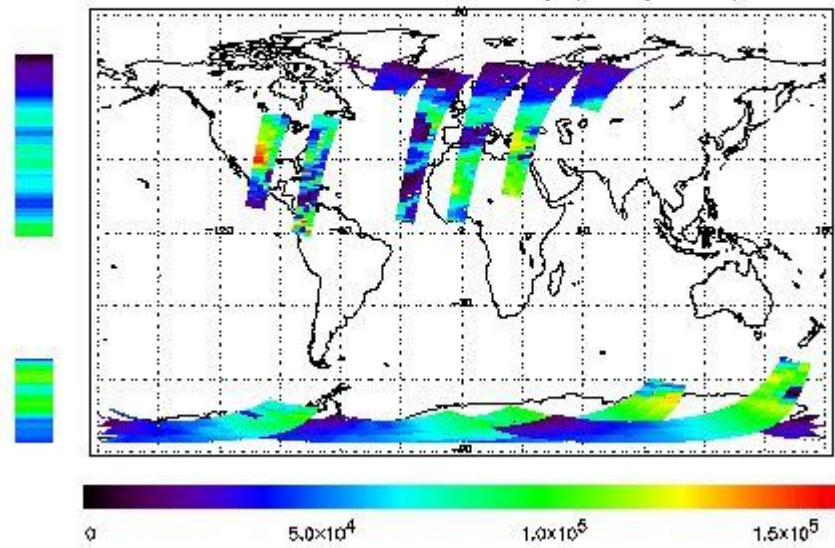
2.2 - Daily Plots

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 : 06-FEB-2010 23:54:21.822 : ORBIT : 77382.0151
 Last Product : 07-FEB-2010 23:46:39.652 : ORBIT : 77396.2529
 Total Products Processed : 18078 Day : 38 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

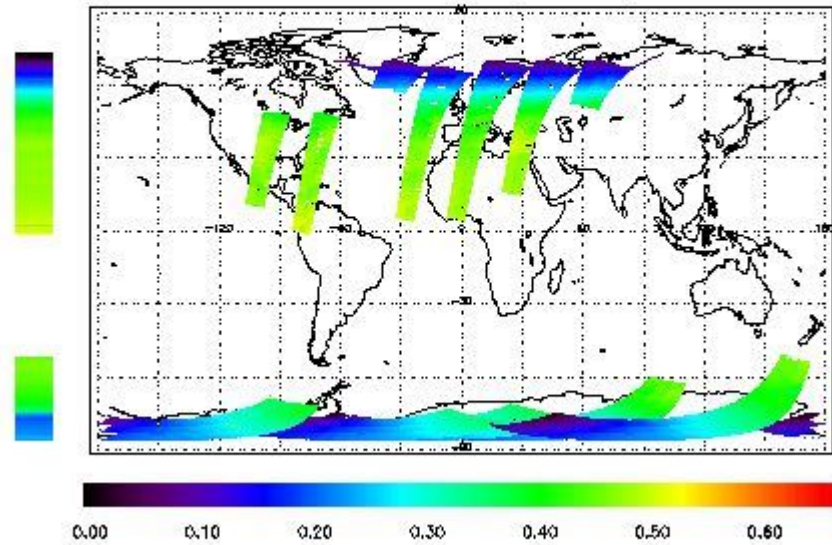


Ozone Line Ratio

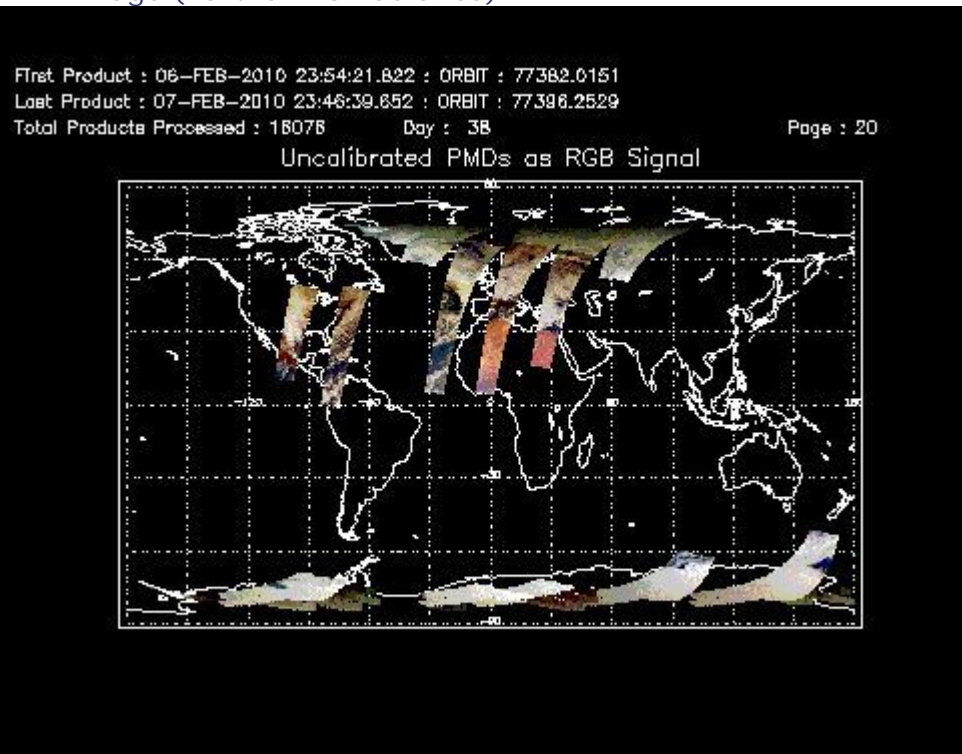
First Product : 06-FEB-2010 23:54:21.822 : ORBIT : 77382.0151
 Last Product : 07-FEB-2010 23:46:39.652 : ORBIT : 77396.2529
 Total Products Processed : 18076 Day : 38

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	12:04:56.329	--	77389	Yes	--	15295

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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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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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
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5.3 - Power Cycle

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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5.4 - Wrong Command Execution

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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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