

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	09-FEB-2010
Start Time of First Product	23:55:50 (08-Feb)
Stop Time of Last Product	23:36:57
Number of EGOI Products analysed	35
Number of corrupted products	--
Anomalies and/or Special Operations	Timeline stopped/activated: 12:54:50/14:14:53

1.2 - List of received products

Name	Date	Time
EGOI_100209GSEP9285.E2	09-FEB-2010	02:17:41.960
EGOI_100209GSEP9291.E2	09-FEB-2010	03:57:54.575
EGOI_100209GSEP9297.E2	09-FEB-2010	05:40:20.701
EGOI_100209KSEP2885.E2	09-FEB-2010	07:38:33.428
EGOI_100209KSEP2895.E2	09-FEB-2010	09:18:34.045
EGOI_100209KSEP2904.E2	09-FEB-2010	10:58:12.153
EGOI_100209KSEP2914.E2	09-FEB-2010	12:37:30.768
EGOI_100209KSEP2935.E2	09-FEB-2010	14:16:26.872
EGOI_100209KSEP2954.E2	09-FEB-2010	15:54:13.972

EGOI_100209KSEP2984.E2	09-FEB-2010	17:32:11.576
EGOI_100209KSEP3019.E2	09-FEB-2010	19:09:58.673
EGOI_100209KSEP3050.E2	09-FEB-2010	20:49:48.785
EGOI_100209KSEP3080.E2	09-FEB-2010	22:31:52.416
EGOI_100209MAEP8719.E2	09-FEB-2010	09:25:44.584
EGOI_100209MAEP8724.E2	09-FEB-2010	11:05:46.703
EGOI_100209MAEP8742.E2	09-FEB-2010	20:43:06.746
EGOI_100209MIEP2757.E2	09-FEB-2010	02:15:13.444
EGOI_100209MIEP2763.E2	09-FEB-2010	03:53:11.047
EGOI_100209MIEP2779.E2	09-FEB-2010	14:35:29.987
EGOI_100209MIEP2808.E2	09-FEB-2010	16:12:33.582
EGOI_100209MIEP2827.E2	09-FEB-2010	17:55:32.713
EGOI_100209MMEP3471.E2	08-FEB-2010	23:55:50.081
EGOI_100209MMEP3482.E2	09-FEB-2010	06:44:42.096
EGOI_100209MMEP3489.E2	09-FEB-2010	10:06:19.335
EGOI_100209MMEP3495.E2	09-FEB-2010	11:46:34.951
EGOI_100209MMEP3499.E2	09-FEB-2010	13:26:14.562
EGOI_100209MMEP3508.E2	09-FEB-2010	15:06:30.179
EGOI_100209MMEP3512.E2	09-FEB-2010	16:45:23.282
EGOI_100209MMEP3521.E2	09-FEB-2010	20:04:06.503
EGOI_100209MMEP3531.E2	09-FEB-2010	21:44:28.122
EGOI_100209MMEP3537.E2	09-FEB-2010	23:24:12.229
EGOI_100209MSEP4351.E2	09-FEB-2010	00:32:39.809
EGOI_100209MSEP4359.E2	09-FEB-2010	11:11:25.735
EGOI_100209MSEP4366.E2	09-FEB-2010	12:51:18.847
EGOI_100209MSEP4395.E2	09-FEB-2010	22:20:46.342

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77415	09-FEB-2010	07:36:48.595	07:38:33.427	104.83200
KS	77416	09-FEB-2010	09:16:22.841	09:18:34.044	131.20300
KS	77417	09-FEB-2010	10:55:58.706	10:58:12.153	133.44700
KS	77418	09-FEB-2010	12:35:18.102	12:37:30.768	132.66600
KS	77419	09-FEB-2010	14:14:09.878	14:16:26.872	136.99400
KS	77420	09-FEB-2010	15:52:00.777	15:54:13.971	133.19400
KS	77421	09-FEB-2010	17:29:55.436	17:32:11.576	136.14000
KS	77422	09-FEB-2010	19:08:09.683	19:09:58.673	108.99000
KS	77423	09-FEB-2010	20:48:06.113	20:49:48.784	102.67100
KS	77424	09-FEB-2010	22:30:12.246	22:31:52.416	100.17000
GS	77413	09-FEB-2010	03:56:08.241	03:57:54.574	106.33300
MS	77411	09-FEB-2010	00:31:01.768	00:32:39.808	98.040000

MS	77417	09-FEB-2010	11:09:05.065	11:11:25.735	140.67000
MS	77418	09-FEB-2010	12:49:04.846	12:51:18.846	134.00000
MS	77424	09-FEB-2010	22:18:57.671	22:20:46.341	108.67000
MA	77416	09-FEB-2010	09:24:32.319	09:25:44.584	72.265000
MA	77423	09-FEB-2010	20:40:04.379	20:43:06.745	182.36600
MI	77412	09-FEB-2010	02:13:12.136	02:15:13.443	121.30700
MI	77413	09-FEB-2010	03:50:25.779	03:53:11.046	165.26700
MI	77419	09-FEB-2010	14:33:37.238	14:35:29.986	112.74800
MI	77420	09-FEB-2010	16:10:27.785	16:12:33.582	125.79700
MI	77421	09-FEB-2010	17:53:58.535	17:55:32.712	94.177000
MM	77410	08-FEB-2010	23:54:26.978	23:55:50.081	83.103000
MM	77416	09-FEB-2010	10:05:06.323	10:06:19.335	73.012000
MM	77417	09-FEB-2010	11:45:09.856	11:46:34.950	85.094000
MM	77418	09-FEB-2010	13:24:59.727	13:26:14.561	74.834000
MM	77419	09-FEB-2010	15:04:34.167	15:06:30.179	116.01200
MM	77419	09-FEB-2010	15:09:58.697	15:17:14.288	435.59100
MM	77420	09-FEB-2010	16:43:52.462	16:45:23.282	90.820000
MM	77422	09-FEB-2010	20:02:15.791	20:04:06.502	110.71100
MM	77423	09-FEB-2010	21:42:00.884	21:44:28.122	147.23800
MM	77424	09-FEB-2010	23:22:37.035	23:24:12.228	95.193000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	77411	09-FEB-2010	01:24:35.965	01:36:51.813	735.84800
MM	77411	09-FEB-2010	01:36:27.090	01:46:13.554	586.46400
GS	77411	09-FEB-2010	00:40:47.640	00:48:39.813	472.17300
BE	77412	09-FEB-2010	02:41:53.106	02:55:09.468	796.36200
MM	77412	09-FEB-2010	03:19:21.109	03:26:46.709	445.60000
SG	77412	09-FEB-2010	02:53:18.267	03:06:25.056	786.78900
CM	77412	09-FEB-2010	03:49:22.529	04:01:38.356	735.82700
BE	77413	09-FEB-2010	04:21:57.053	04:32:55.759	658.70600
MM	77413	09-FEB-2010	05:02:18.264	05:08:07.093	348.82900
SG	77413	09-FEB-2010	04:33:31.445	04:44:22.063	650.61800
KS	77414	09-FEB-2010	05:58:10.510	06:02:58.016	287.50600
CM	77414	09-FEB-2010	05:31:59.633	05:37:52.291	352.65800

JO	77414	09-FEB-2010	06:26:56.999	06:34:15.820	438.82100
MM	77415	09-FEB-2010	08:24:48.257	08:33:49.879	541.62200
JO	77415	09-FEB-2010	08:01:32.545	08:16:28.823	896.27800
JO	77416	09-FEB-2010	09:43:15.595	09:53:58.612	643.01700
HO	77417	09-FEB-2010	11:54:36.305	12:07:41.221	784.91600
HO	77418	09-FEB-2010	13:33:31.638	13:48:11.180	879.54200
BE	77419	09-FEB-2010	13:58:29.207	14:11:52.265	803.05800
HO	77419	09-FEB-2010	15:14:42.019	15:22:49.045	487.02600
GS	77419	09-FEB-2010	14:26:08.554	14:36:54.930	646.37600
SG	77419	09-FEB-2010	15:27:38.351	15:41:31.415	833.06400
BE	77420	09-FEB-2010	15:40:21.417	15:49:50.675	569.25800
GS	77420	09-FEB-2010	16:04:34.887	16:18:29.907	835.02000
CM	77420	09-FEB-2010	16:13:18.473	16:25:37.211	738.73800
MM	77421	09-FEB-2010	18:23:00.783	18:35:35.196	754.41300
GS	77421	09-FEB-2010	17:44:53.901	17:55:20.337	626.43600
CM	77421	09-FEB-2010	17:55:12.657	18:01:19.001	366.34400
MA	77422	09-FEB-2010	19:05:58.017	19:12:57.324	419.30700
JO	77422	09-FEB-2010	20:21:39.428	20:36:24.912	885.48400
JO	77423	09-FEB-2010	22:01:51.686	22:14:02.752	731.06600
HO	77424	09-FEB-2010	23:12:57.423	23:26:55.894	838.47100
MA	77424	09-FEB-2010	22:23:31.554	22:31:48.059	496.50500
MS	77425	09-FEB-2010	23:58:14.332	00:10:28.140	733.80800

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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	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

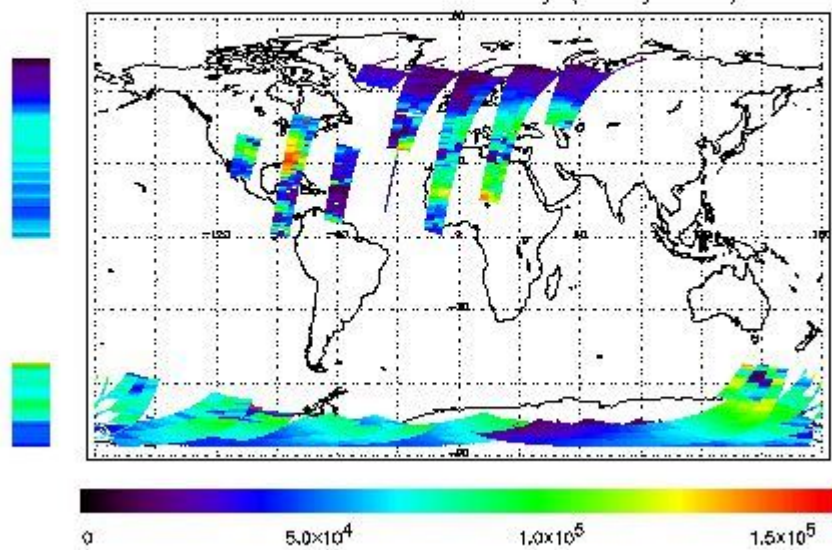
2.2 - Daily Plots

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-FEB-2010 23:55:50.081 : ORBIT : 77410.6583
 Last Product : 09-FEB-2010 23:36:57.307 : ORBIT : 77424.7849
 Total Products Processed : 17162 Day : 40 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

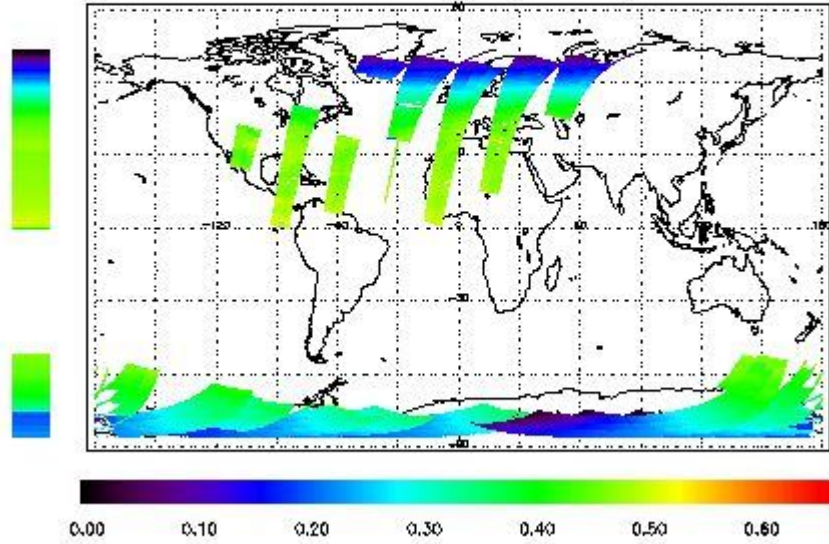


Ozone Line Ratio

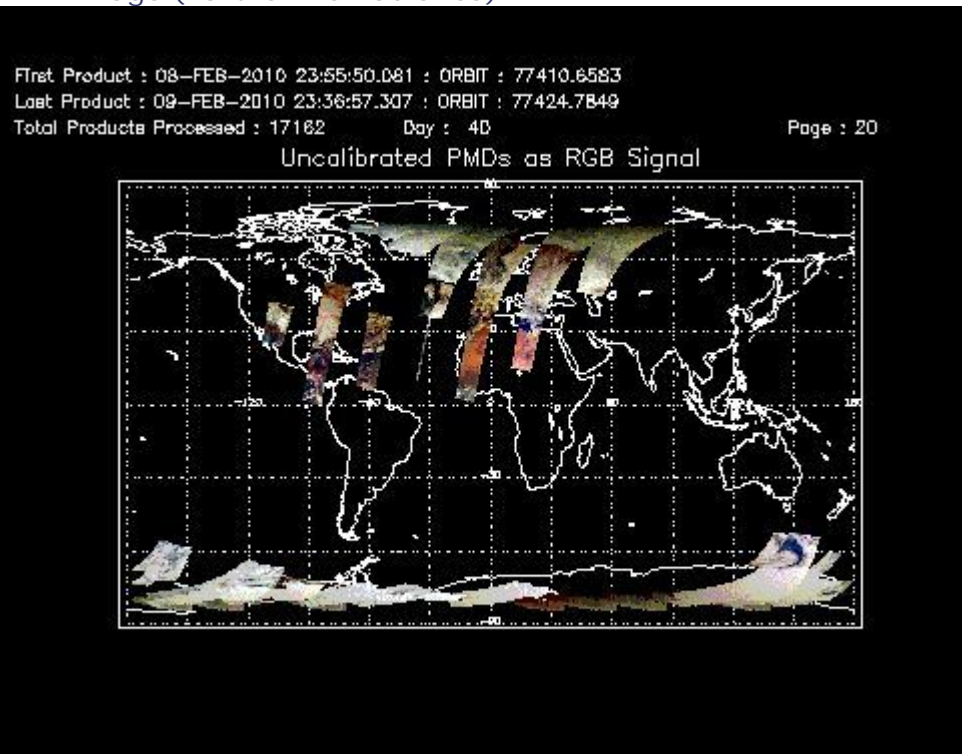
First Product : 08-FEB-2010 23:55:50.081 : ORBIT : 77410.6583
 Last Product : 09-FEB-2010 23:36:57.307 : ORBIT : 77424.7849
 Total Products Processed : 17182 Day : 40

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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	11:01:25.672	--	77417	Yes	--	15396

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
12:54:50	14:14:53	77418	77419	--

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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(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