

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	13-DEC-2009
Start Time of First Product	00:57:23
Stop Time of Last Product	23:50:24
Number of EGOI Products analysed	35
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
OI_091213BEEP1382.E2;1	13-DEC-2009	03:07:04.123
EGOI_091213BEEP1388.E2	13-DEC-2009	04:47:45.246
EGOI_091213CMEP5635.E2	13-DEC-2009	16:37:52.650
EGOI_091213GSEP5136.E2	13-DEC-2009	01:03:36.363
EGOI_091213GSEP5168.E2	13-DEC-2009	02:40:23.459
EGOI_091213GSEP5196.E2	13-DEC-2009	04:21:37.585
EGOI_091213GSEP5204.E2	13-DEC-2009	06:13:30.775
EGOI_091213HLEP4579.E2	13-DEC-2009	01:53:42.668
EGOI_091213HLEP4588.E2	13-DEC-2009	14:01:42.680

EGOI_091213HLEP4598.E2	13-DEC-2009	23:40:08.773
EGOI_091213KSEP6871.E2	13-DEC-2009	06:22:00.833
EGOI_091213KSEP6901.E2	13-DEC-2009	08:01:55.444
EGOI_091213KSEP6928.E2	13-DEC-2009	09:41:33.567
EGOI_091213KSEP6963.E2	13-DEC-2009	11:21:08.689
EGOI_091213KSEP6995.E2	13-DEC-2009	13:00:19.800
EGOI_091213KSEP7009.E2	13-DEC-2009	14:39:08.417
EGOI_091213KSEP7033.E2	13-DEC-2009	16:16:49.517
EGOI_091213KSEP7066.E2	13-DEC-2009	17:54:53.130
EGOI_091213KSEP7102.E2	13-DEC-2009	19:32:50.734
EGOI_091213KSEP7136.E2	13-DEC-2009	21:13:06.358
EGOI_091213KSEP7165.E2	13-DEC-2009	22:55:42.994
EGOI_091213MIEP7269.E2	13-DEC-2009	02:36:59.439
EGOI_091213MIEP7297.E2	13-DEC-2009	04:15:54.054
EGOI_091213MMEP1614.E2	13-DEC-2009	02:01:06.716
EGOI_091213MMEP1621.E2	13-DEC-2009	03:43:56.850
EGOI_091213MMEP1631.E2	13-DEC-2009	08:48:58.734
EGOI_091213MSEP7585.E2	13-DEC-2009	00:57:22.824
EGOI_091213MSEP7597.E2	13-DEC-2009	09:57:42.661
EGOI_091213MSEP7618.E2	13-DEC-2009	11:34:11.756
EGOI_091213MSEP7642.E2	13-DEC-2009	13:15:00.390
EGOI_091213MSEP7674.E2	13-DEC-2009	22:43:03.920
EGOI_091213SGEP2081.E2	13-DEC-2009	03:18:08.690
EGOI_091213SGEP2090.E2	13-DEC-2009	04:59:27.316
EGOI_091213SGEP2097.E2	13-DEC-2009	14:15:20.263
EGOI_091213SGEP2105.E2	13-DEC-2009	15:52:59.876

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	76584	13-DEC-2009	06:20:27.008	06:22:00.832	93.824000
KS	76585	13-DEC-2009	07:59:32.735	08:01:55.444	142.70900
KS	76586	13-DEC-2009	09:39:09.320	09:41:33.566	144.24600
KS	76587	13-DEC-2009	11:18:42.946	11:21:08.688	145.74200
KS	76588	13-DEC-2009	12:57:55.974	13:00:19.799	143.82500
KS	76589	13-DEC-2009	14:36:40.224	14:39:08.417	148.19300
KS	76590	13-DEC-2009	16:14:20.589	16:16:49.517	148.92800
KS	76591	13-DEC-2009	17:52:14.116	17:54:53.130	159.01400
KS	76592	13-DEC-2009	19:30:50.873	19:32:50.733	119.86000
KS	76593	13-DEC-2009	21:11:13.426	21:13:06.357	112.93100
KS	76594	13-DEC-2009	22:53:56.076	22:55:42.994	106.91800
GS	76581	13-DEC-2009	01:02:03.326	01:03:36.362	93.036000

GS	76582	13-DEC-2009	02:38:34.127	02:40:23.458	109.33100
GS	76583	13-DEC-2009	04:19:45.927	04:21:37.585	111.65800
MS	76587	13-DEC-2009	11:31:39.587	11:34:11.756	152.16900
MS	76588	13-DEC-2009	13:12:35.922	13:15:00.390	144.46800
MS	76594	13-DEC-2009	22:41:05.869	22:43:03.919	118.05000
MI	76582	13-DEC-2009	02:34:44.138	02:36:59.439	135.30100
MI	76583	13-DEC-2009	04:13:37.845	04:15:54.054	136.20900
MM	76581	13-DEC-2009	01:59:54.551	02:01:06.716	72.165000
MM	76582	13-DEC-2009	03:42:55.685	03:43:56.849	61.164000
MM	76585	13-DEC-2009	08:47:45.399	08:48:58.734	73.335000
BE	76582	13-DEC-2009	03:04:32.962	03:07:04.123	151.16100
BE	76583	13-DEC-2009	04:45:15.028	04:47:45.245	150.21700
SG	76582	13-DEC-2009	03:15:37.139	03:18:08.689	151.55000
SG	76583	13-DEC-2009	04:57:53.715	04:59:27.315	93.600000
SG	76588	13-DEC-2009	14:13:23.181	14:15:20.262	117.08100
SG	76589	13-DEC-2009	15:50:29.281	15:52:59.875	150.59400
CM	76590	13-DEC-2009	16:35:57.337	16:37:52.649	115.31200

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	76580	13-DEC-2009	00:06:25.021	00:21:00.591	875.57000
MM	76580	13-DEC-2009	00:17:40.129	00:28:53.724	673.59500
CM	76582	13-DEC-2009	02:37:11.044	02:41:41.274	270.23000
CM	76582	13-DEC-2009	04:11:58.376	04:24:21.798	743.42200
MM	76583	13-DEC-2009	05:25:41.635	05:31:28.375	346.74000
MM	76584	13-DEC-2009	07:07:09.426	07:14:21.173	431.74700
JO	76584	13-DEC-2009	06:47:35.881	06:58:19.701	643.82000
MA	76585	13-DEC-2009	08:09:14.887	08:19:15.547	600.66000
JO	76585	13-DEC-2009	08:24:11.518	08:39:11.027	899.50900
MM	76586	13-DEC-2009	10:27:59.722	10:39:24.876	685.15400
MA	76586	13-DEC-2009	09:47:12.107	10:00:46.587	814.48000
JO	76586	13-DEC-2009	10:08:17.578	10:14:45.647	388.06900
MM	76587	13-DEC-2009	12:08:00.226	12:20:26.508	746.28200
MA	76587	13-DEC-2009	11:28:24.912	11:36:24.448	479.53600
MM	76588	13-DEC-2009	13:47:46.748	14:00:30.605	763.85700

BE	76589	13-DEC-2009	14:21:13.262	14:34:34.142	800.88000
MM	76589	13-DEC-2009	15:27:17.417	15:39:55.397	757.98000
MI	76589	13-DEC-2009	14:54:58.634	15:05:44.466	645.83200
GS	76589	13-DEC-2009	14:48:22.351	15:00:39.883	737.53200
CM	76589	13-DEC-2009	15:00:41.798	15:04:38.458	236.66000
BE	76590	13-DEC-2009	16:05:11.996	16:11:05.737	353.74100
MM	76590	13-DEC-2009	17:06:32.527	17:19:04.113	751.58600
MI	76590	13-DEC-2009	16:33:21.958	16:46:06.626	764.66800
GS	76590	13-DEC-2009	16:27:22.180	16:41:01.777	819.59700
MM	76591	13-DEC-2009	18:45:40.532	18:58:16.893	756.36100
GS	76591	13-DEC-2009	18:08:09.437	18:16:43.415	513.97800
JO	76591	13-DEC-2009	19:07:49.975	19:16:08.743	498.76800
MM	76592	13-DEC-2009	20:25:00.304	20:37:44.202	763.89800
MA	76592	13-DEC-2009	19:27:03.329	19:36:24.602	561.27300
JO	76592	13-DEC-2009	20:44:14.169	20:59:15.808	901.63900
MM	76593	13-DEC-2009	22:04:55.456	22:17:27.858	752.40200
MA	76593	13-DEC-2009	21:03:00.740	21:16:26.904	806.16400
JO	76593	13-DEC-2009	22:25:28.735	22:35:15.632	586.89700
MM	76594	13-DEC-2009	23:45:45.441	23:57:25.890	700.44900

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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

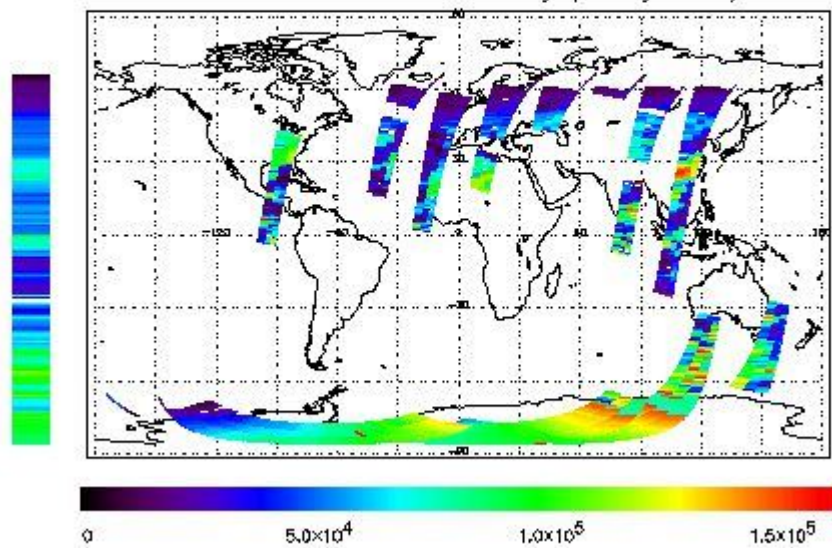
2.2 - Daily Plots

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 : 13-DEC-2009 00:57:22.824 : ORBIT : 76581.0416
 Last Product : 13-DEC-2009 23:50:23.835 : ORBIT : 76594.6900
 Total Products Processed : 15778 Day : 347 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

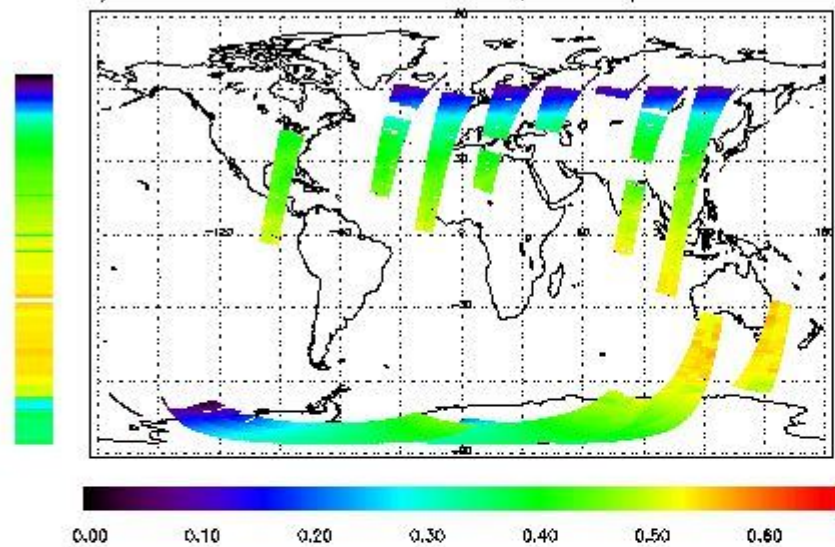


Ozone Line Ratio

First Product : 13-DEC-2008 00:57:22.824 : ORBIT : 76581.0416
 Last Product : 13-DEC-2008 23:50:23.836 : ORBIT : 76594.6900
 Total Products Processed : 15778 Day : 347

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331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed

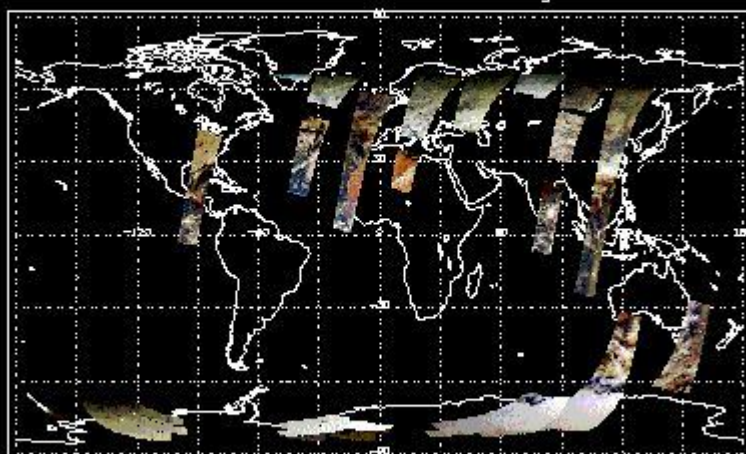


PMD Image (Earthshine Radiance)

First Product : 13-DEC-2008 00:57:22.824 : ORBIT : 76581.0416
 Last Product : 13-DEC-2008 23:50:23.836 : ORBIT : 76594.6900
 Total Products Processed : 15778 Day : 347

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Uncalibrated PMDs as RGB Signal



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	11:27:20.724	--	76587	Yes	--	15833

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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(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