

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	09-JAN-2010
Start Time of First Product	00:06:02
Stop Time of Last Product	23:47:48
Number of EGOI Products analysed	28
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
OI_100109BEEP1596.E2;1	09-JAN-2010	02:19:01.109
EGOI_100109BEEP1602.E2	09-JAN-2010	03:58:22.724
EGOI_100109CMEP6156.E2	09-JAN-2010	03:25:45.028
EGOI_100109CMEP6168.E2	09-JAN-2010	05:09:03.659
EGOI_100109GSEP6922.E2	09-JAN-2010	01:52:47.448
EGOI_100109GSEP6953.E2	09-JAN-2010	03:31:39.059
EGOI_100109GSEP6961.E2	09-JAN-2010	05:14:38.198
EGOI_100109KSEP4533.E2	09-JAN-2010	07:13:05.930
EGOI_100109KSEP4556.E2	09-JAN-2010	08:53:06.549

EGOI_100109KSEP4582.E2	09-JAN-2010	10:32:46.162
EGOI_100109KSEP4611.E2	09-JAN-2010	12:12:09.278
EGOI_100109KSEP4627.E2	09-JAN-2010	13:51:09.890
EGOI_100109KSEP4655.E2	09-JAN-2010	15:29:32.998
EGOI_100109KSEP4687.E2	09-JAN-2010	17:07:00.603
EGOI_100109KSEP4722.E2	09-JAN-2010	18:45:02.704
EGOI_100109KSEP4757.E2	09-JAN-2010	20:24:06.319
EGOI_100109KSEP4788.E2	09-JAN-2010	22:05:41.444
EGOI_100109MAEP7698.E2	09-JAN-2010	09:00:24.588
EGOI_100109MAEP7708.E2	09-JAN-2010	10:40:11.705
EGOI_100109MSEP0714.E2	09-JAN-2010	00:06:16.793
EGOI_100109MSEP0737.E2	09-JAN-2010	10:46:32.744
EGOI_100109MSEP0765.E2	09-JAN-2010	12:25:30.360
EGOI_100109MSEP0794.E2	09-JAN-2010	21:56:30.889
EGOI_100109MSEP0825.E2	09-JAN-2010	23:34:23.993
EGOI_100109SGEP2790.E2	09-JAN-2010	02:30:56.683
EGOI_100109SGEP2798.E2	09-JAN-2010	04:09:10.794
EGOI_100109SGEP2804.E2	09-JAN-2010	15:04:31.341
EGOI_100109SGEP2812.E2	09-JAN-2010	16:45:57.474

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	76971	09-JAN-2010	07:11:16.174	07:13:05.929	109.75500
KS	76972	09-JAN-2010	08:50:45.600	08:53:06.549	140.94900
KS	76973	09-JAN-2010	10:30:22.936	10:32:46.162	143.22600
KS	76974	09-JAN-2010	12:09:48.276	12:12:09.278	141.00200
KS	76975	09-JAN-2010	13:48:43.191	13:51:09.889	146.69800
KS	76976	09-JAN-2010	15:26:52.611	15:29:32.997	160.38600
KS	76977	09-JAN-2010	17:04:34.641	17:07:00.603	145.96200
KS	76978	09-JAN-2010	18:42:44.051	18:45:02.703	138.65200
KS	76979	09-JAN-2010	20:22:13.380	20:24:06.319	112.93900
KS	76980	09-JAN-2010	22:03:42.046	22:05:41.443	119.39700
KS	76981	09-JAN-2010	23:48:06.103	23:49:30.086	83.983000
GS	76968	09-JAN-2010	01:51:06.168	01:52:47.447	101.27900
GS	76969	09-JAN-2010	03:29:57.218	03:31:39.059	101.84100
MS	76967	09-JAN-2010	00:04:07.178	00:06:16.793	129.61500
MS	76973	09-JAN-2010	10:44:06.299	10:46:32.743	146.44400
MS	76974	09-JAN-2010	12:23:00.976	12:25:30.360	149.38400
MS	76980	09-JAN-2010	21:54:32.068	21:56:30.888	118.82000

MS	76981	09-JAN-2010	23:32:05.796	23:34:23.992	138.19600
MA	76973	09-JAN-2010	10:38:24.000	10:40:11.705	107.70500
BE	76968	09-JAN-2010	02:16:33.578	02:19:01.109	147.53100
BE	76969	09-JAN-2010	03:55:58.946	03:58:22.724	143.77800
SG	76968	09-JAN-2010	02:28:42.790	02:30:56.682	133.89200
SG	76969	09-JAN-2010	04:07:03.379	04:09:10.794	127.41500
SG	76975	09-JAN-2010	15:02:19.958	15:04:31.340	131.38200
SG	76976	09-JAN-2010	16:43:27.276	16:45:57.473	150.19700
CM	76969	09-JAN-2010	03:24:25.502	03:25:45.028	79.526000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	76967	09-JAN-2010	00:58:16.113	01:11:47.917	811.80400
MM	76967	09-JAN-2010	01:10:07.274	01:20:25.893	618.61900
KS	76967	09-JAN-2010	00:22:22.251	00:24:51.689	149.43800
MM	76968	09-JAN-2010	02:52:50.240	03:00:52.466	482.22600
MI	76968	09-JAN-2010	01:50:00.769	01:55:47.960	347.19100
MM	76969	09-JAN-2010	04:35:54.345	04:41:56.344	361.99900
MI	76969	09-JAN-2010	03:24:45.762	03:38:08.416	802.65400
MM	76970	09-JAN-2010	06:18:02.000	06:24:16.920	374.92000
MI	76970	09-JAN-2010	05:08:10.370	05:14:07.619	357.24900
MM	76971	09-JAN-2010	07:58:57.476	08:07:22.304	504.82800
JO	76971	09-JAN-2010	07:36:25.379	07:50:43.345	857.96600
MM	76972	09-JAN-2010	09:39:20.383	09:49:57.117	636.73400
JO	76972	09-JAN-2010	09:16:19.944	09:29:29.168	789.22400
MM	76973	09-JAN-2010	11:19:27.354	11:31:30.248	722.89400
MM	76974	09-JAN-2010	12:59:20.865	13:12:00.548	759.68300
HO	76975	09-JAN-2010	14:48:25.321	14:58:21.871	596.55000
MM	76975	09-JAN-2010	14:38:59.459	14:51:41.691	762.23200
GS	76975	09-JAN-2010	14:01:36.447	14:09:31.192	474.74500
BE	76976	09-JAN-2010	15:13:27.414	15:25:05.070	697.65600
MM	76976	09-JAN-2010	16:18:21.716	16:30:55.289	753.57300
MI	76976	09-JAN-2010	15:44:57.453	15:58:14.518	797.06500
GS	76976	09-JAN-2010	15:39:02.485	15:52:52.732	830.24700
CM	76976	09-JAN-2010	15:48:12.410	15:59:36.669	684.25900

MM	76977	09-JAN-2010	17:57:31.423	18:10:04.132	752.70900
MI	76977	09-JAN-2010	17:25:57.650	17:34:48.064	530.41400
GS	76977	09-JAN-2010	17:18:55.845	17:30:53.403	717.55800
CM	76977	09-JAN-2010	17:28:03.522	17:37:52.548	589.02600
MM	76978	09-JAN-2010	19:36:42.586	19:49:23.707	761.12100
JO	76978	09-JAN-2010	19:56:31.193	20:10:19.132	827.93900
MM	76979	09-JAN-2010	21:16:17.710	21:28:59.570	761.86000
MA	76979	09-JAN-2010	20:14:47.162	20:28:33.971	826.80900
JO	76979	09-JAN-2010	21:35:43.013	21:49:33.650	830.63700
HO	76980	09-JAN-2010	22:48:03.693	23:01:09.896	786.20300
MM	76980	09-JAN-2010	22:56:39.110	23:08:50.883	731.77300

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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

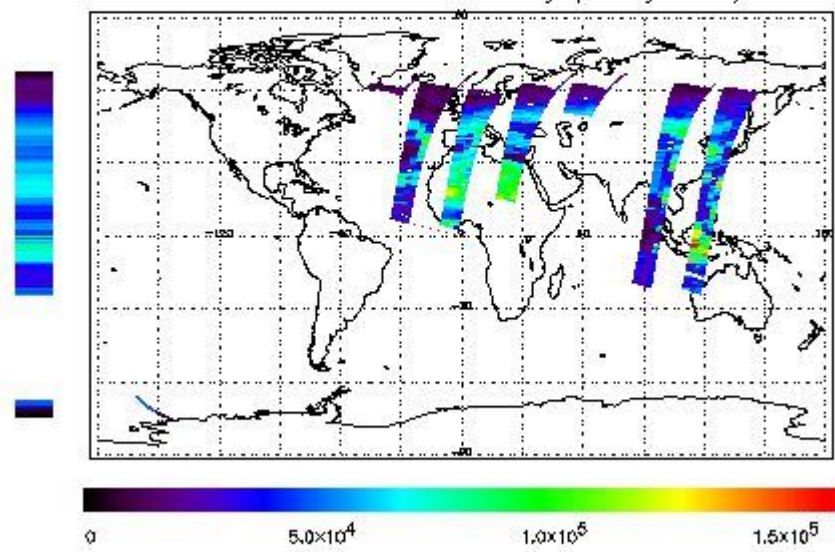
2.2 - Daily Plots

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 : 09-JAN-2010 00:06:16.793 : ORBIT : 76967.0193
 Last Product : 09-JAN-2010 23:47:48.079 : ORBIT : 76981.1499
 Total Products Processed : 14240 Day : 9 Page : 21

778 nm Uncalibrated Intensity (Binary Units)



Ozone Line Ratio

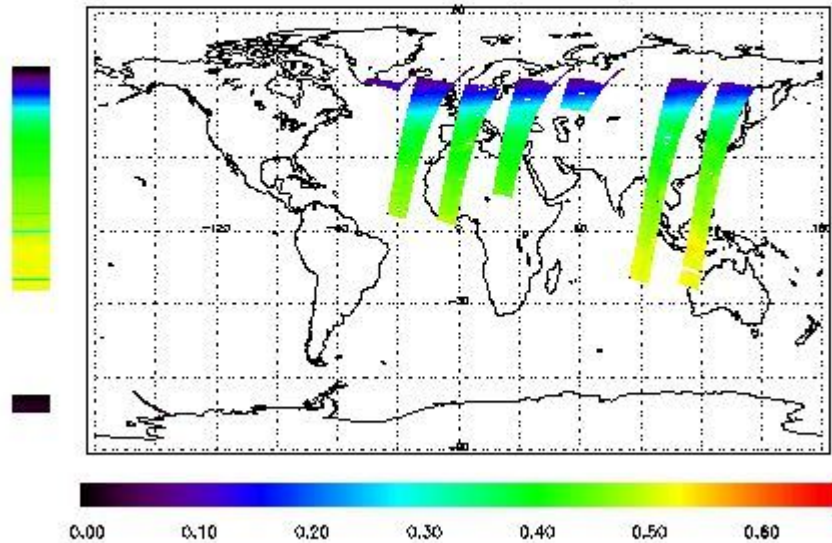
First Product : 09-JAN-2010 00:06:16.793 : ORBIT : 76967.0193

Last Product : 09-JAN-2010 23:47:48.079 : ORBIT : 76981.1499

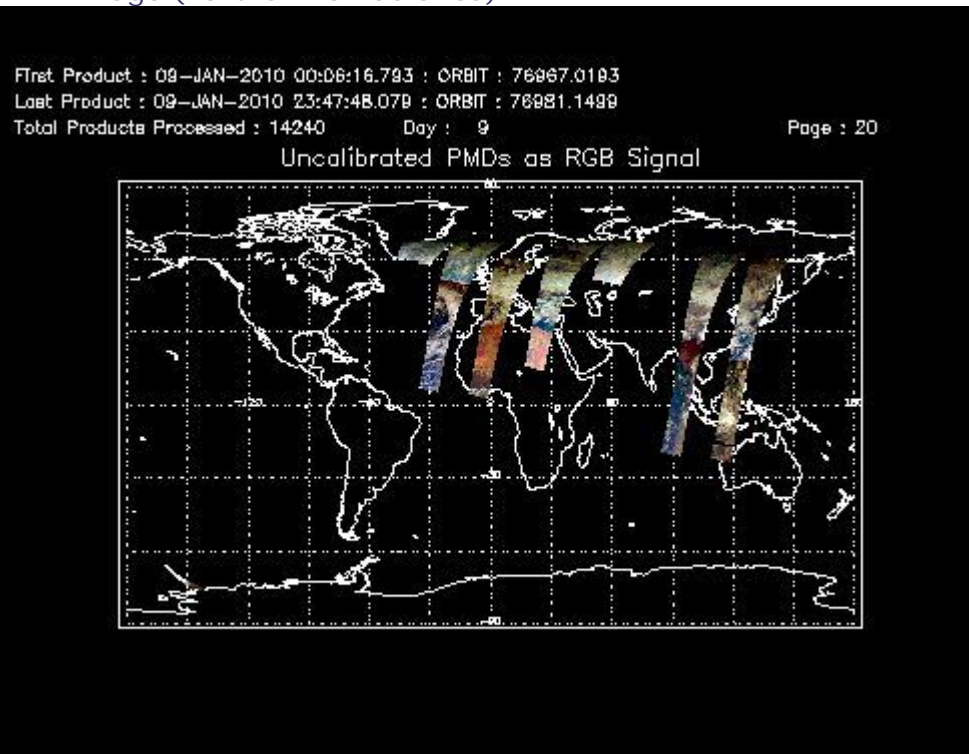
Total Products Processed : 14240 Day : 9

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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	10:38:07.192	--	76973	Yes	--	15849

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