

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	08-JAN-2010
Start Time of First Product	00:01:41
Stop Time of Last Product	22:50
Number of EGOI Products analysed	37
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
OI_100108BEEP1584.E2;1	08-JAN-2010	02:49:56.901
EGOI_100108BEEP1590.E2	08-JAN-2010	04:30:42.523
EGOI_100108CMEP6127.E2	08-JAN-2010	03:59:09.328
EGOI_100108CMEP6134.E2	08-JAN-2010	05:38:51.946
EGOI_100108CMEP6151.E2	08-JAN-2010	18:02:13.043
EGOI_100108GSEP6861.E2	08-JAN-2010	02:23:31.240
EGOI_100108GSEP6887.E2	08-JAN-2010	04:04:00.363
EGOI_100108GSEP6894.E2	08-JAN-2010	05:46:21.998
EGOI_100108KSEP4260.E2	08-JAN-2010	07:44:24.226

EGOI_100108KSEP4284.E2	08-JAN-2010	09:24:26.338
EGOI_100108KSEP4318.E2	08-JAN-2010	11:04:02.958
EGOI_100108KSEP4345.E2	08-JAN-2010	12:43:20.074
EGOI_100108KSEP4358.E2	08-JAN-2010	14:22:14.682
EGOI_100108KSEP4372.E2	08-JAN-2010	16:00:00.286
EGOI_100108KSEP4402.E2	08-JAN-2010	17:37:56.391
EGOI_100108KSEP4438.E2	08-JAN-2010	19:15:47.998
EGOI_100108KSEP4473.E2	08-JAN-2010	20:55:44.114
EGOI_100108KSEP4503.E2	08-JAN-2010	22:37:52.246
EGOI_100108MAEP7666.E2	08-JAN-2010	09:31:33.885
EGOI_100108MAEP7685.E2	08-JAN-2010	11:11:42.001
EGOI_100108MIEP9820.E2	08-JAN-2010	02:20:43.221
EGOI_100108MIEP9840.E2	08-JAN-2010	03:59:07.828
EGOI_100108MIEP9858.E2	08-JAN-2010	14:40:56.795
EGOI_100108MMEP2842.E2	08-JAN-2010	00:01:40.864
EGOI_100108MMEP2850.E2	08-JAN-2010	01:43:30.990
EGOI_100108MMEP2858.E2	08-JAN-2010	03:26:09.124
EGOI_100108MMEP2865.E2	08-JAN-2010	05:08:47.258
EGOI_100108MMEP2875.E2	08-JAN-2010	10:12:13.135
EGOI_100108MMEP2883.E2	08-JAN-2010	11:52:36.253
EGOI_100108MSEP0609.E2	08-JAN-2010	00:38:53.093
EGOI_100108MSEP0627.E2	08-JAN-2010	11:17:09.036
EGOI_100108MSEP0652.E2	08-JAN-2010	12:57:20.157
EGOI_100108MSEP0684.E2	08-JAN-2010	22:26:26.672
EGOI_100108SGEP2764.E2	08-JAN-2010	03:04:17.991
EGOI_100108SGEP2771.E2	08-JAN-2010	04:41:18.590
EGOI_100108SGEP2777.E2	08-JAN-2010	13:59:20.541
EGOI_100108SGEP2784.E2	08-JAN-2010	15:35:40.637

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	76957	08-JAN-2010	07:42:29.490	07:44:24.226	114.73600
KS	76958	08-JAN-2010	09:22:04.466	09:24:26.337	141.87100
KS	76959	08-JAN-2010	11:01:39.853	11:04:02.957	143.10400
KS	76960	08-JAN-2010	12:40:57.755	12:43:20.073	142.31800
KS	76961	08-JAN-2010	14:19:47.673	14:22:14.681	147.00800
KS	76962	08-JAN-2010	15:57:35.729	16:00:00.285	144.55600
KS	76963	08-JAN-2010	17:35:30.571	17:37:56.390	145.81900
KS	76964	08-JAN-2010	19:13:49.513	19:15:47.998	118.48500
KS	76965	08-JAN-2010	20:53:52.294	20:55:44.114	111.82000
KS	76966	08-JAN-2010	22:36:07.241	22:37:52.245	105.00400

GS	76955	08-JAN-2010	04:02:00.565	04:04:00.362	119.79700
MS	76953	08-JAN-2010	00:37:08.885	00:38:53.092	104.20700
MS	76959	08-JAN-2010	11:14:42.141	11:17:09.036	146.89500
MS	76960	08-JAN-2010	12:54:54.481	12:57:20.156	145.67500
MS	76966	08-JAN-2010	22:24:27.712	22:26:26.671	118.95900
MA	76958	08-JAN-2010	09:30:11.488	09:31:33.885	82.397000
MI	76954	08-JAN-2010	02:18:31.826	02:20:43.221	131.39500
MI	76955	08-JAN-2010	03:56:11.599	03:59:07.828	176.22900
MI	76961	08-JAN-2010	14:38:51.735	14:40:56.794	125.05900
MM	76952	08-JAN-2010	00:00:14.940	00:01:40.864	85.924000
MM	76953	08-JAN-2010	01:42:18.688	01:43:30.989	72.301000
MM	76958	08-JAN-2010	10:10:49.738	10:12:13.134	83.396000
MM	76959	08-JAN-2010	11:50:52.514	11:52:36.253	103.73900
BE	76954	08-JAN-2010	02:47:32.341	02:49:56.900	144.55900
BE	76955	08-JAN-2010	04:27:45.141	04:30:42.523	177.38200
SG	76954	08-JAN-2010	02:58:50.906	03:04:17.990	327.08400
SG	76955	08-JAN-2010	04:39:30.711	04:41:18.590	107.87900
SG	76961	08-JAN-2010	15:33:19.211	15:35:40.637	141.42600

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	76952	07-JAN-2010	23:49:30.004	00:03:57.669	867.66500
HO	76953	08-JAN-2010	01:30:34.562	01:42:23.041	708.47900
GS	76953	08-JAN-2010	00:46:04.002	00:54:31.450	507.44800
MM	76956	08-JAN-2010	06:49:50.804	06:56:40.285	409.48100
KS	76956	08-JAN-2010	06:03:42.192	06:09:09.293	327.10100
JO	76956	08-JAN-2010	06:31:59.941	06:40:22.495	502.55400
MM	76957	08-JAN-2010	08:30:32.649	08:39:42.280	549.63100
MA	76957	08-JAN-2010	07:52:55.987	07:59:48.143	412.15600
JO	76957	08-JAN-2010	08:07:10.616	08:22:10.392	899.77600
JO	76958	08-JAN-2010	09:49:22.539	09:59:18.317	595.77800
HO	76959	08-JAN-2010	12:00:13.467	12:13:34.690	801.22300
HO	76960	08-JAN-2010	13:39:14.260	13:53:43.825	869.56500
MM	76960	08-JAN-2010	13:30:41.560	13:43:24.722	763.16200
BE	76961	08-JAN-2010	14:04:08.722	14:17:33.419	804.69700

HO	76961	08-JAN-2010	15:20:34.187	15:28:10.323	456.13600
MM	76961	08-JAN-2010	15:10:15.061	15:22:54.659	759.59800
GS	76961	08-JAN-2010	14:31:40.462	14:42:40.359	659.89700
BE	76962	08-JAN-2010	15:46:27.011	15:55:15.534	528.52300
MM	76962	08-JAN-2010	16:49:32.525	17:02:04.493	751.96800
MI	76962	08-JAN-2010	16:16:10.092	16:29:23.387	793.29500
GS	76962	08-JAN-2010	16:10:16.276	16:24:09.136	832.86000
CM	76962	08-JAN-2010	16:18:56.553	16:31:19.790	743.23700
MM	76963	08-JAN-2010	18:28:40.681	18:41:15.550	754.86900
GS	76963	08-JAN-2010	17:50:41.613	18:00:43.194	601.58100
MM	76964	08-JAN-2010	20:07:56.760	20:20:40.041	763.28100
MA	76964	08-JAN-2010	19:11:09.645	19:18:51.432	461.78700
JO	76964	08-JAN-2010	20:27:16.996	20:42:09.369	892.37300
MM	76965	08-JAN-2010	21:47:44.266	22:00:21.005	756.73900
MA	76965	08-JAN-2010	20:45:44.016	20:59:26.700	822.68400
JO	76965	08-JAN-2010	22:07:43.402	22:19:24.480	701.07800
HO	76966	08-JAN-2010	23:18:30.915	23:32:38.469	847.55400
MM	76966	08-JAN-2010	23:28:23.816	23:40:16.714	712.89800

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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

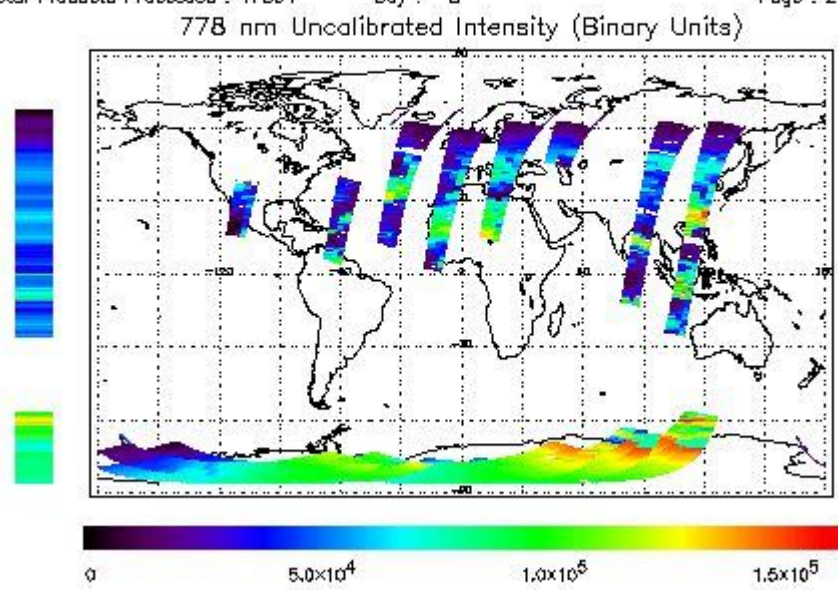
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected 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](#)

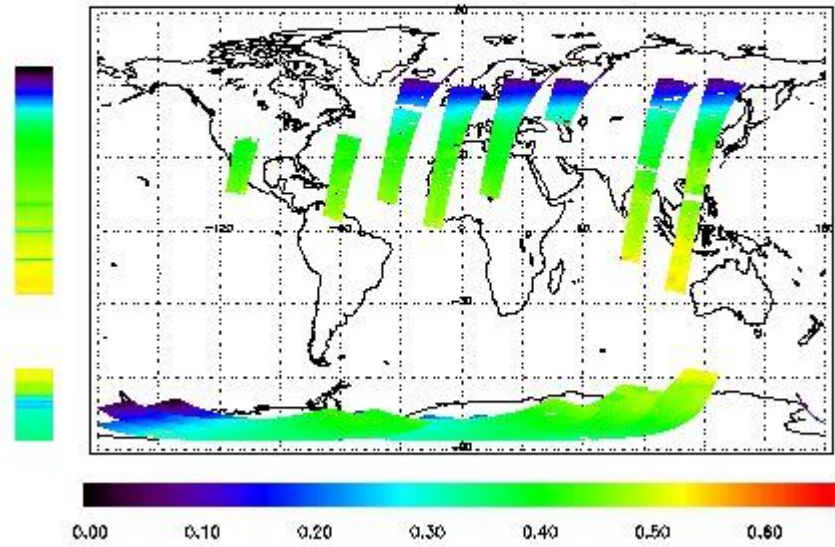
NEAR IR Intensity

First Product : 08-JAN-2010 00:01:40.864 : ORBIT : 76952.6593
 Last Product : 08-JAN-2010 22:49:59.820 : ORBIT : 76966.2610
 Total Products Processed : 17394 Day : 8 Page : 21

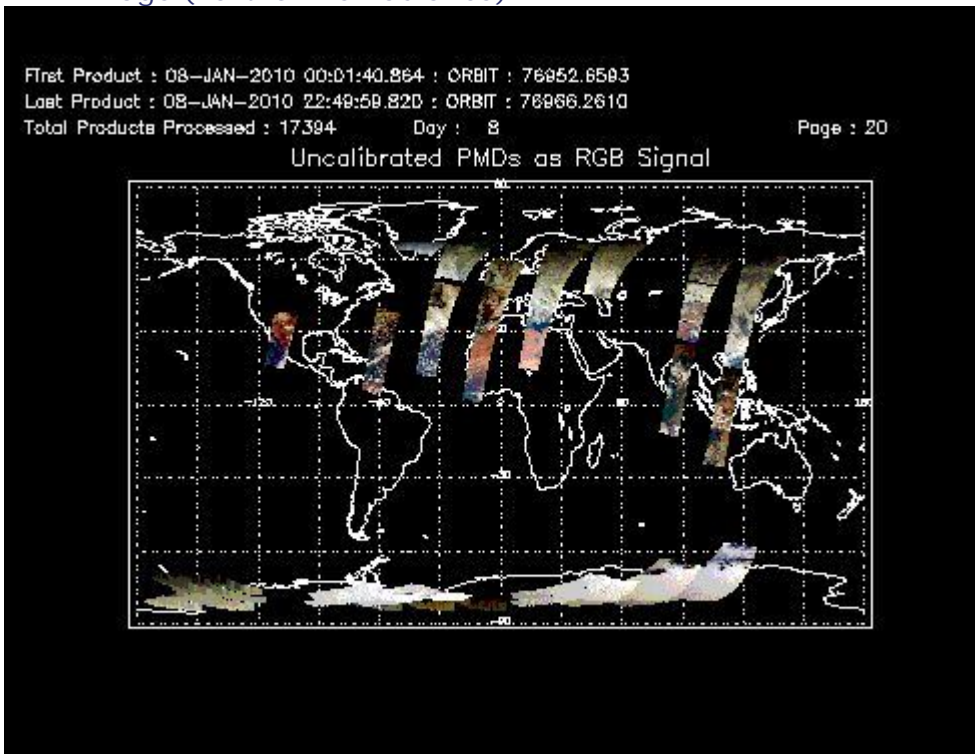


Ozone Line Ratio

First Product : 08-JAN-2010 00:01:40.864 : ORBIT : 76952.6593
 Last Product : 08-JAN-2010 22:49:59.820 : ORBIT : 76966.2610
 Total Products Processed : 17394 Day : 8 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	11:09:46.489	--	76959	Yes	--	15829

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
--	--	--

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
--	--	--	--

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