

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	31-AUG-2010
Start Time of First Product	00:05:45
Stop Time of Last Product	23:03:57
Number of EGOI Products analysed	32
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100831GSEP4006.E2	31-AUG-2010	01:00:46.868
EGOI_100831GSEP4029.E2	31-AUG-2010	02:37:11.454
EGOI_100831GSEP4053.E2	31-AUG-2010	04:18:22.575
EGOI_100831GSEP4060.E2	31-AUG-2010	06:00:39.692
EGOI_100831HLEP7334.E2	31-AUG-2010	00:05:45.028
EGOI_100831HLEP7345.E2	31-AUG-2010	13:55:36.599
EGOI_100831HLEP7356.E2	31-AUG-2010	21:58:44.048
EGOI_100831KSEP1960.E2	31-AUG-2010	06:18:53.302
EGOI_100831KSEP1976.E2	31-AUG-2010	07:58:46.411

EGOI_100831KSEP1997.E2	31-AUG-2010	09:38:24.517
EGOI_100831KSEP2056.E2	31-AUG-2010	12:57:12.240
EGOI_100831KSEP2083.E2	31-AUG-2010	14:36:02.343
EGOI_100831KSEP2111.E2	31-AUG-2010	16:13:43.443
EGOI_100831KSEP2141.E2	31-AUG-2010	17:51:45.537
EGOI_100831KSEP2172.E2	31-AUG-2010	19:29:43.136
EGOI_100831KSEP2193.E2	31-AUG-2010	21:09:54.247
EGOI_100831KSEP2202.E2	31-AUG-2010	22:52:32.377
EGOI_100831MAEP6381.E2	31-AUG-2010	08:07:34.462
EGOI_100831MAEP6412.E2	31-AUG-2010	21:02:22.707
EGOI_100831MIEP9615.E2	31-AUG-2010	14:54:08.442
EGOI_100831MIEP9630.E2	31-AUG-2010	16:32:24.052
EGOI_100831MMEP4007.E2	31-AUG-2010	08:45:48.196
EGOI_100831MMEP4013.E2	31-AUG-2010	10:26:15.814
EGOI_100831MMEP4023.E2	31-AUG-2010	13:46:02.024
EGOI_100831MSEP7853.E2	31-AUG-2010	00:54:04.829
EGOI_100831MSEP7876.E2	31-AUG-2010	11:31:02.713
EGOI_100831MSEP7900.E2	31-AUG-2010	13:11:48.326
EGOI_100831MSEP7927.E2	31-AUG-2010	22:40:03.799
EGOI_100831SGEP7805.E2	31-AUG-2010	03:14:47.681
EGOI_100831SGEP7813.E2	31-AUG-2010	04:56:42.306
EGOI_100831SGEP7820.E2	31-AUG-2010	14:12:24.699
EGOI_100831SGEP7826.E2	31-AUG-2010	15:49:56.792

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	80320	31-AUG-2010	06:17:38.837	06:18:53.301	74.464000
KS	80321	31-AUG-2010	07:56:42.144	07:58:46.410	124.266000
KS	80322	31-AUG-2010	09:36:18.517	09:38:24.517	126.000000
KS	80324	31-AUG-2010	12:55:06.352	12:57:12.239	125.887000
KS	80325	31-AUG-2010	14:33:51.553	14:36:02.342	130.789000
KS	80326	31-AUG-2010	16:11:32.921	16:13:43.442	130.521000
KS	80327	31-AUG-2010	17:49:27.396	17:51:45.537	138.141000
KS	80328	31-AUG-2010	19:28:00.448	19:29:43.136	102.688000
KS	80329	31-AUG-2010	21:08:19.630	21:09:54.246	94.616000
KS	80330	31-AUG-2010	22:50:57.519	22:52:32.377	94.858000
GS	80317	31-AUG-2010	00:59:22.512	01:00:46.867	84.355000
GS	80318	31-AUG-2010	02:35:44.913	02:37:11.454	86.541000
GS	80319	31-AUG-2010	04:16:47.408	04:18:22.574	95.166000
MS	80323	31-AUG-2010	11:28:48.905	11:31:02.713	133.808000

MS	80324	31-AUG-2010	13:09:38.678	13:11:48.325	129.64700
MS	80330	31-AUG-2010	22:38:18.712	22:40:03.799	105.08700
MA	80321	31-AUG-2010	08:06:33.525	08:07:34.462	60.937000
MA	80329	31-AUG-2010	21:00:04.104	21:02:22.707	138.60300
MI	80325	31-AUG-2010	14:52:15.711	14:54:08.442	112.73100
MI	80326	31-AUG-2010	16:30:29.449	16:32:24.052	114.60300
MM	80322	31-AUG-2010	10:25:08.087	10:26:15.814	67.727000
MM	80324	31-AUG-2010	13:44:55.917	13:46:02.024	66.107000
SG	80318	31-AUG-2010	03:12:48.618	03:14:47.681	119.06300
SG	80319	31-AUG-2010	04:54:46.131	04:56:42.306	116.17500
SG	80324	31-AUG-2010	14:10:46.579	14:12:24.699	98.120000
SG	80325	31-AUG-2010	15:47:36.803	15:49:56.791	139.98800

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	80316	31-AUG-2010	00:03:36.682	00:18:10.306	873.62400
MM	80316	31-AUG-2010	00:14:45.796	00:26:02.049	676.25300
MM	80317	31-AUG-2010	01:56:58.467	02:06:18.135	559.66800
BE	80318	31-AUG-2010	03:01:42.569	03:15:07.689	805.12000
MM	80318	31-AUG-2010	03:39:58.875	03:46:57.546	418.67100
MI	80318	31-AUG-2010	02:32:00.883	02:43:32.905	692.02200
CM	80318	31-AUG-2010	02:34:54.763	02:38:21.306	206.54300
CM	80318	31-AUG-2010	04:09:07.665	04:21:32.310	744.64500
BE	80319	31-AUG-2010	04:42:19.350	04:51:45.911	566.56100
MM	80319	31-AUG-2010	05:22:46.472	05:28:32.956	346.48400
MI	80319	31-AUG-2010	04:10:42.490	04:23:06.072	743.58200
MM	80320	31-AUG-2010	07:04:16.431	07:11:24.346	427.91500
JO	80320	31-AUG-2010	06:44:57.804	06:55:21.826	624.02200
JO	80321	31-AUG-2010	08:21:20.670	08:36:21.355	900.68500
MA	80322	31-AUG-2010	09:44:21.695	09:58:02.486	820.79100
JO	80322	31-AUG-2010	10:05:02.947	10:12:16.295	433.34800
MM	80323	31-AUG-2010	12:05:08.970	12:17:34.183	745.21300
KS	80323	31-AUG-2010	11:15:52.470	11:29:36.910	824.44000
MA	80323	31-AUG-2010	11:25:28.500	11:33:40.289	491.78900
BE	80325	31-AUG-2010	14:18:21.872	14:31:44.319	802.44700

MM	80325	31-AUG-2010	15:24:27.059	15:37:05.310	758.25100
GS	80325	31-AUG-2010	14:45:34.827	14:56:23.626	648.79900
CM	80325	31-AUG-2010	14:58:35.379	15:01:02.735	147.35600
BE	80326	31-AUG-2010	16:02:00.165	16:08:31.295	391.13000
MM	80326	31-AUG-2010	17:03:42.545	17:16:14.169	751.62400
GS	80326	31-AUG-2010	16:24:31.019	16:38:13.529	822.51000
CM	80326	31-AUG-2010	16:33:06.539	16:45:30.048	743.50900
MM	80327	31-AUG-2010	18:42:50.538	18:55:26.640	756.10200
GS	80327	31-AUG-2010	18:05:14.210	18:14:04.353	530.14300
JO	80327	31-AUG-2010	19:05:16.278	19:12:58.635	462.35700
MM	80328	31-AUG-2010	20:22:09.645	20:34:53.475	763.83000
MA	80328	31-AUG-2010	19:24:22.867	19:33:29.828	546.96100
PS	80328	31-AUG-2010	19:43:02.135	19:55:08.793	726.65800
JO	80328	31-AUG-2010	20:41:24.196	20:56:25.442	901.24600
HO	80329	31-AUG-2010	21:56:39.675	22:06:24.231	584.55600
MM	80329	31-AUG-2010	22:02:03.481	22:14:36.688	753.20700
JO	80329	31-AUG-2010	22:22:29.865	22:32:38.840	608.97500
HO	80330	31-AUG-2010	23:32:31.285	23:46:53.394	862.10900
MM	80330	31-AUG-2010	23:42:51.704	23:54:34.335	702.63100
MA	80330	31-AUG-2010	22:45:40.980	22:50:13.003	272.02300

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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 Temperatures 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

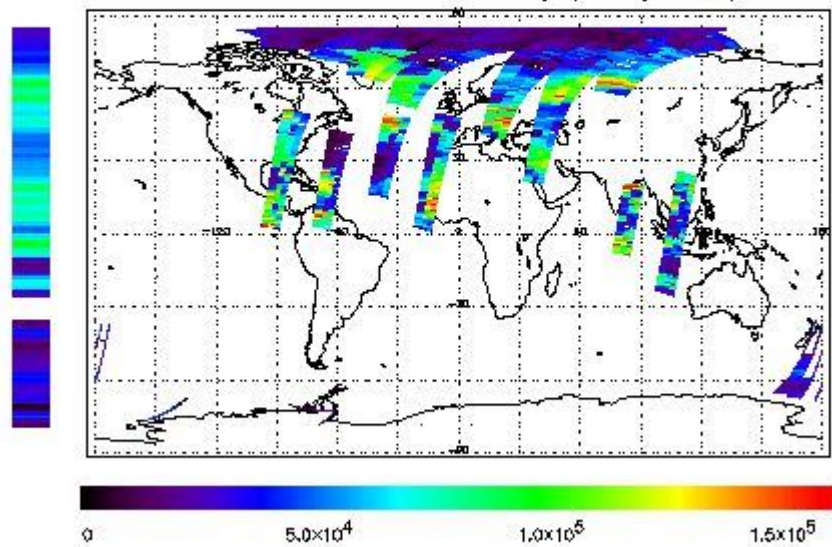
2.2 - Daily Plots

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 : 31-AUG-2010 00:05:45.028 : ORBIT : 80316.5569
 Last Product : 31-AUG-2010 23:03:57.843 : ORBIT : 80330.2570
 Total Products Processed : 15594 Day : 243 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

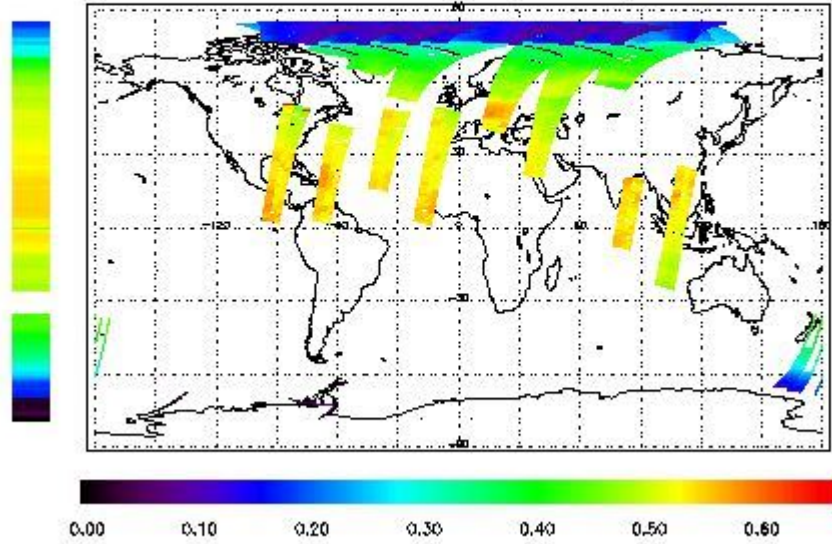


Ozone Line Ratio

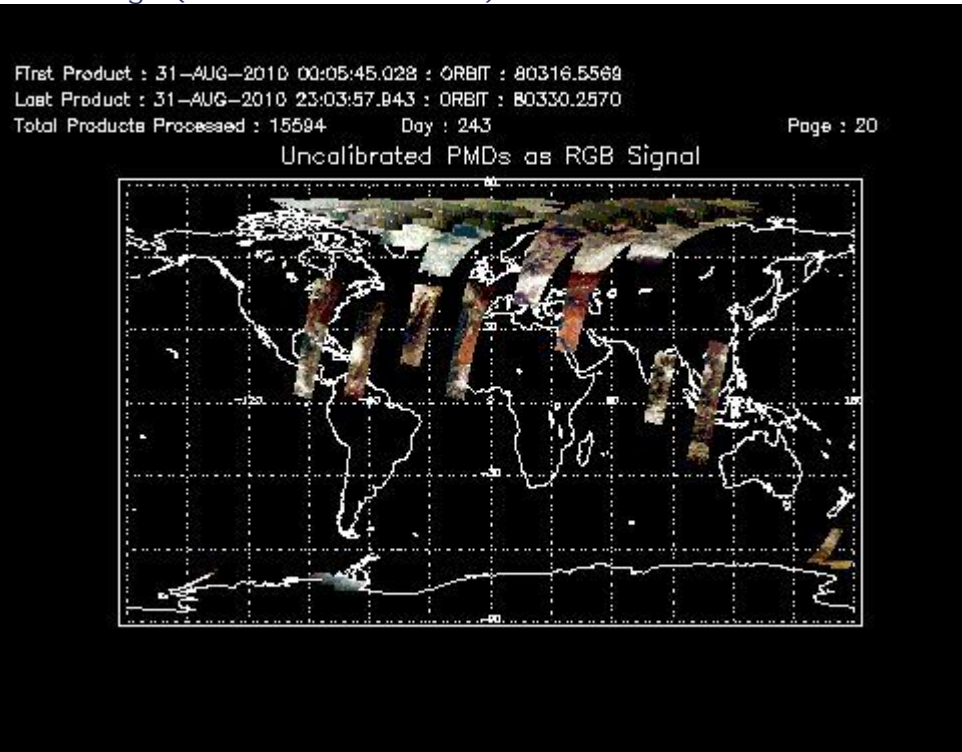
First Product : 31-AUG-2010 00:05:45.028 : ORBIT : 80316.5569
 Last Product : 31-AUG-2010 23:03:57.943 : ORBIT : 80330.2570
 Total Products Processed : 15594 Day : 243

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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	17:56:57.568	--	80327	Yes	--	--

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)
--	--	--	--	--	--	--	--

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
--	--	--	--	--	--

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
--	--	--	--	--	--	--	--	--

5 - Instrument Operations

Additional Info

5.1 - Timeline Interruptions

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

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