

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	05-OCT-2010
Start Time of First Product	00:16:05
Stop Time of Last Product	23:04:09
Number of EGOI Products analysed	32
Number of corrupted products	--
Anomalies and/or Special Operations	<i>Narrow Swath continued from previous day, stop orbit: 80827</i>

1.2 - List of received products

Name	Date	Time
EGOI_101005GSEP6462.E2	05-OCT-2010	01:00:58.173
EGOI_101005GSEP6485.E2	05-OCT-2010	02:37:37.776
EGOI_101005GSEP6513.E2	05-OCT-2010	04:18:33.906
EGOI_101005GSEP6520.E2	05-OCT-2010	06:00:52.537
EGOI_101005HLEP7941.E2	05-OCT-2010	12:16:23.362
EGOI_101005HLEP7953.E2	05-OCT-2010	21:58:55.460
EGOI_101005KSEP0027.E2	05-OCT-2010	21:10:17.662
EGOI_101005KSEP0036.E2	05-OCT-2010	22:52:43.796

EGOI_101005KSEP9801.E2	05-OCT-2010	06:19:06.150
EGOI_101005KSEP9819.E2	05-OCT-2010	07:58:57.769
EGOI_101005KSEP9840.E2	05-OCT-2010	09:38:37.387
EGOI_101005KSEP9871.E2	05-OCT-2010	11:18:14.002
EGOI_101005KSEP9900.E2	05-OCT-2010	12:57:25.117
EGOI_101005KSEP9910.E2	05-OCT-2010	14:36:15.229
EGOI_101005KSEP9936.E2	05-OCT-2010	16:13:54.832
EGOI_101005KSEP9966.E2	05-OCT-2010	17:51:56.935
EGOI_101005KSEP9997.E2	05-OCT-2010	19:29:56.046
EGOI_101005MAEP7918.E2	05-OCT-2010	08:07:45.824
EGOI_101005MAEP7930.E2	05-OCT-2010	09:46:10.431
EGOI_101005MIEP2496.E2	05-OCT-2010	02:34:09.252
EGOI_101005MIEP2523.E2	05-OCT-2010	04:13:36.875
EGOI_101005MIEP2548.E2	05-OCT-2010	14:54:22.838
EGOI_101005MIEP2562.E2	05-OCT-2010	16:32:42.945
EGOI_101005MMEP6132.E2	05-OCT-2010	00:16:05.394
EGOI_101005MMEP6138.E2	05-OCT-2010	01:58:06.033
EGOI_101005MMEP6148.E2	05-OCT-2010	08:46:01.058
EGOI_101005MMEP6155.E2	05-OCT-2010	10:26:28.681
EGOI_101005MMEP6164.E2	05-OCT-2010	12:06:48.800
EGOI_101005MSEP1882.E2	05-OCT-2010	00:54:10.133
EGOI_101005MSEP1905.E2	05-OCT-2010	11:31:15.580
EGOI_101005MSEP1929.E2	05-OCT-2010	13:11:59.704
EGOI_101005MSEP1956.E2	05-OCT-2010	22:40:09.214

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	80830	05-OCT-2010	21:08:19.630	21:10:17.662	118.03200
KS	80831	05-OCT-2010	22:50:57.519	22:52:43.795	106.27600
KS	80821	05-OCT-2010	06:17:38.838	06:19:06.149	87.311000
KS	80822	05-OCT-2010	07:56:42.144	07:58:57.769	135.62500
KS	80823	05-OCT-2010	09:36:18.517	09:38:37.387	138.87000
KS	80824	05-OCT-2010	11:15:52.470	11:18:14.002	141.53200
KS	80825	05-OCT-2010	12:55:06.352	12:57:25.116	138.76400
KS	80826	05-OCT-2010	14:33:51.553	14:36:15.228	143.67500
KS	80827	05-OCT-2010	16:11:32.921	16:13:54.832	141.91100
KS	80828	05-OCT-2010	17:49:27.397	17:51:56.934	149.53700
KS	80829	05-OCT-2010	19:28:00.448	19:29:56.045	115.59700
GS	80818	05-OCT-2010	00:59:22.512	01:00:58.173	95.661000
GS	80819	05-OCT-2010	02:35:44.913	02:37:37.776	112.86300

GS	80820	05-OCT-2010	04:16:47.408	04:18:33.905	106.49700
MS	80824	05-OCT-2010	11:28:48.905	11:31:15.579	146.67400
MS	80825	05-OCT-2010	13:09:38.678	13:11:59.704	141.02600
MS	80831	05-OCT-2010	22:38:18.712	22:40:09.214	110.50200
MA	80822	05-OCT-2010	08:06:33.525	08:07:45.823	72.298000
MA	80823	05-OCT-2010	09:44:21.695	09:46:10.430	108.73500
MI	80819	05-OCT-2010	02:32:00.883	02:34:09.252	128.36900
MI	80820	05-OCT-2010	04:10:42.490	04:13:36.875	174.38500
MI	80826	05-OCT-2010	14:52:15.711	14:54:22.838	127.12700
MI	80827	05-OCT-2010	16:30:29.449	16:32:42.945	133.49600
MM	80817	05-OCT-2010	00:14:45.796	00:16:05.393	79.597000
MM	80818	05-OCT-2010	01:56:58.467	01:58:06.032	67.565000
MM	80822	05-OCT-2010	08:44:53.317	08:46:01.057	67.740000
MM	80823	05-OCT-2010	10:25:08.087	10:26:28.680	80.593000
MM	80824	05-OCT-2010	12:05:08.970	12:06:48.799	99.829000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	80817	05-OCT-2010	00:03:36.682	00:18:10.306	873.62400
HO	80818	05-OCT-2010	01:45:47.491	01:56:09.933	622.44200
BE	80819	05-OCT-2010	03:01:42.569	03:15:07.689	805.12000
MM	80819	05-OCT-2010	03:39:58.875	03:46:57.546	418.67100
SG	80819	05-OCT-2010	03:12:48.618	03:26:33.745	825.12700
CM	80819	05-OCT-2010	02:34:54.763	02:38:21.306	206.54300
CM	80819	05-OCT-2010	04:09:07.665	04:21:32.310	744.64500
BE	80820	05-OCT-2010	04:42:19.350	04:51:45.911	566.56100
MM	80820	05-OCT-2010	05:22:46.472	05:28:32.956	346.48400
SG	80820	05-OCT-2010	04:54:46.131	05:02:40.347	474.21600
MM	80821	05-OCT-2010	07:04:16.432	07:11:24.347	427.91500
JO	80821	05-OCT-2010	06:44:57.805	06:55:21.827	624.02200
JO	80822	05-OCT-2010	08:21:20.670	08:36:21.355	900.68500
JO	80823	05-OCT-2010	10:05:02.947	10:12:16.295	433.34800
MA	80824	05-OCT-2010	11:25:28.500	11:33:40.289	491.78900
MM	80825	05-OCT-2010	13:44:55.917	13:57:39.710	763.79300
SG	80825	05-OCT-2010	14:10:46.579	14:19:55.731	549.15200

BE	80826	05-OCT-2010	14:18:21.872	14:31:44.319	802.44700
MM	80826	05-OCT-2010	15:24:27.059	15:37:05.310	758.25100
GS	80826	05-OCT-2010	14:45:34.827	14:56:23.626	648.79900
SG	80826	05-OCT-2010	15:47:36.803	16:01:12.180	815.37700
CM	80826	05-OCT-2010	14:58:35.379	15:01:02.735	147.35600
BE	80827	05-OCT-2010	16:02:00.165	16:08:31.295	391.13000
MM	80827	05-OCT-2010	17:03:42.545	17:16:14.169	751.62400
GS	80827	05-OCT-2010	16:24:31.019	16:38:13.529	822.51000
CM	80827	05-OCT-2010	16:33:06.539	16:45:30.048	743.50900
MM	80828	05-OCT-2010	18:42:50.539	18:55:26.641	756.10200
GS	80828	05-OCT-2010	18:05:14.211	18:14:04.354	530.14300
JO	80828	05-OCT-2010	19:05:16.279	19:12:58.636	462.35700
MM	80829	05-OCT-2010	20:22:09.645	20:34:53.475	763.83000
MA	80829	05-OCT-2010	19:24:22.867	19:33:29.828	546.96100
JO	80829	05-OCT-2010	20:41:24.196	20:56:25.442	901.24600
HO	80830	05-OCT-2010	21:56:39.675	22:06:24.231	584.55600
MM	80830	05-OCT-2010	22:02:03.481	22:14:36.688	753.20700
MA	80830	05-OCT-2010	21:00:04.104	21:13:37.211	813.10700
JO	80830	05-OCT-2010	22:22:29.865	22:32:38.840	608.97500
HO	80831	05-OCT-2010	23:32:31.285	23:46:53.394	862.10900
MM	80831	05-OCT-2010	23:42:51.704	23:54:34.335	702.63100
MA	80831	05-OCT-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

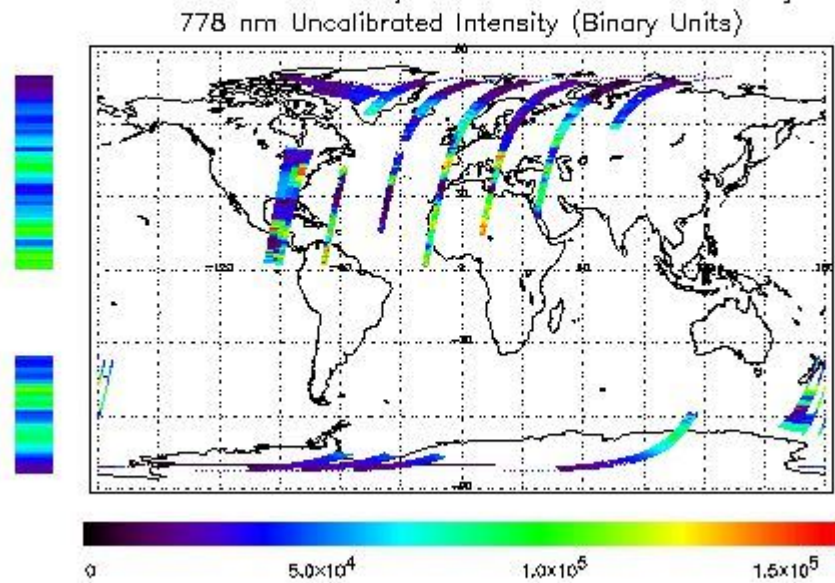
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	Polar View operated
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical 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 : 05-OCT-2010 00:16:05.384 : ORBIT : 80817.6597
 Last Product : 05-OCT-2010 23:04:09.362 : ORBIT : 80831.2589
 Total Products Processed : 15659 Day : 278 Page : 21

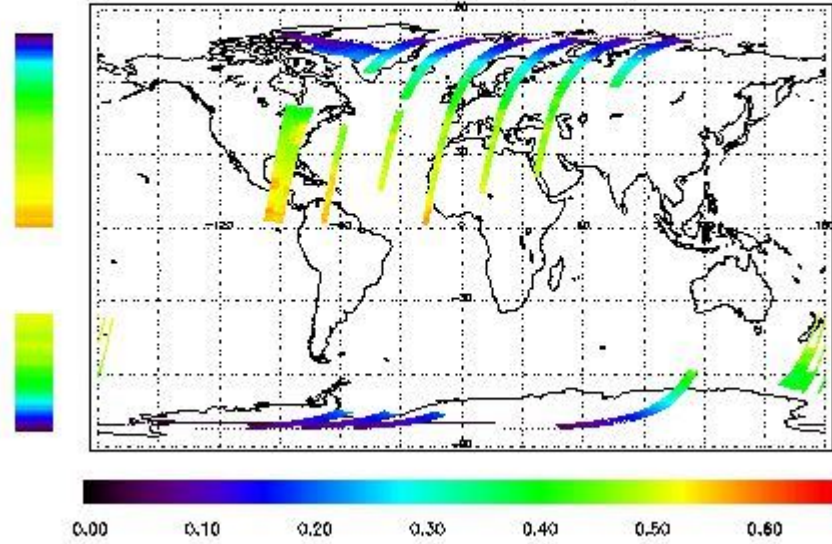


Ozone Line Ratio

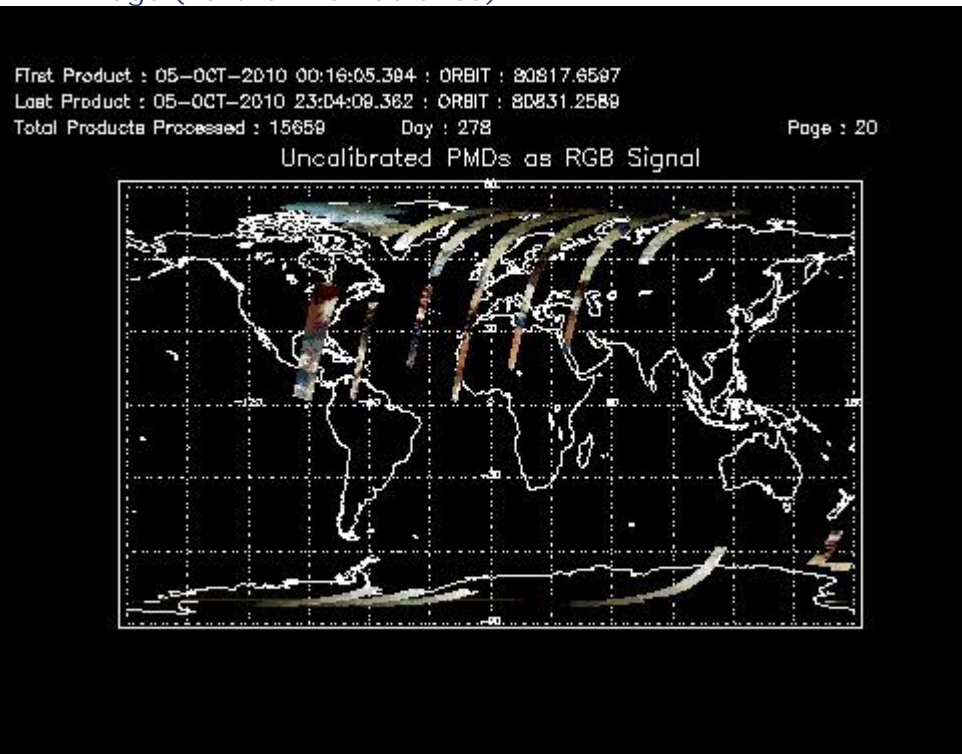
First Product : 05-OCT-2010 00:16:05.394 : ORBIT : 80817.6597
 Last Product : 05-OCT-2010 23:04:09.362 : ORBIT : 80831.2589
 Total Products Processed : 15659 Day : 278

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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	6:20:38.370	--	80827	Yes	--	15221

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
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5.5 - Narrow Swath Timeline

Start Time	End Time	Start Orbit	End Orbit
15:00	15:30	80812	80827

5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
01:00 05-Sep	--	80388	--

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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