

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	29-NOV-2010
Start Time of First Product	23:37:52 (28-Nov)
Stop Time of Last Product	22:35:57
Number of EGOI Products analysed	--
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_101129CMEP2161.E2	29-NOV-2010	03:44:42.001
EGOI_101129CMEP2170.E2	29-NOV-2010	05:24:00.616
EGOI_101129CMEP2177.E2	29-NOV-2010	16:06:43.602
EGOI_101129CMEP2186.E2	29-NOV-2010	17:47:20.225
EGOI_101129HLEP8586.E2	28-NOV-2010	23:37:52.469
EGOI_101129KSEP3799.E2	29-NOV-2010	07:30:20.902
EGOI_101129KSEP3817.E2	29-NOV-2010	09:10:21.517
EGOI_101129KSEP3838.E2	29-NOV-2010	10:49:59.641
EGOI_101129KSEP3862.E2	29-NOV-2010	12:29:19.753

EGOI_101129KSEP3875.E2	29-NOV-2010	14:08:17.369
EGOI_101129KSEP3901.E2	29-NOV-2010	15:46:16.481
EGOI_101129KSEP3928.E2	29-NOV-2010	17:24:06.580
EGOI_101129KSEP3959.E2	29-NOV-2010	19:02:04.189
EGOI_101129KSEP3989.E2	29-NOV-2010	20:41:31.808
EGOI_101129KSEP4017.E2	29-NOV-2010	22:23:24.944
EGOI_101129MAEP0285.E2	29-NOV-2010	09:17:32.060
EGOI_101129MAEP0293.E2	29-NOV-2010	10:57:34.183
EGOI_101129MIEP6411.E2	29-NOV-2010	14:28:05.487
EGOI_101129MIEP6428.E2	29-NOV-2010	16:04:19.587
EGOI_101129MIEP6438.E2	29-NOV-2010	17:46:26.217
EGOI_101129MSEP8198.E2	29-NOV-2010	00:24:21.255
EGOI_101129MSEP8222.E2	29-NOV-2010	11:03:16.216
EGOI_101129MSEP8249.E2	29-NOV-2010	12:42:45.340
EGOI_101129MSEP8280.E2	29-NOV-2010	22:12:45.878
EGOI_101129SGEP9755.E2	29-NOV-2010	02:47:23.645
EGOI_101129SGEP9761.E2	29-NOV-2010	04:26:43.760
EGOI_101129SGEP9770.E2	29-NOV-2010	17:04:40.963

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81609	29-NOV-2010	07:28:17.469	07:30:20.902	123.43300
KS	81610	29-NOV-2010	09:07:50.408	09:10:21.517	151.10900
KS	81611	29-NOV-2010	10:47:26.889	10:49:59.640	152.75100
KS	81612	29-NOV-2010	12:26:48.405	12:29:19.752	151.34700
KS	81613	29-NOV-2010	14:05:41.592	14:08:17.368	155.77600
KS	81614	29-NOV-2010	15:43:38.235	15:46:16.480	158.24500
KS	81615	29-NOV-2010	17:21:29.750	17:24:06.579	156.82900
KS	81616	29-NOV-2010	18:59:40.500	19:02:04.189	143.68900
KS	81617	29-NOV-2010	20:39:27.625	20:41:31.807	124.18200
KS	81618	29-NOV-2010	22:21:20.890	22:23:24.943	124.05300
MS	81605	29-NOV-2010	00:21:57.773	00:24:21.254	143.48100
MS	81611	29-NOV-2010	11:00:39.894	11:03:16.215	156.32100
MS	81612	29-NOV-2010	12:40:15.482	12:42:45.340	149.85800
MS	81618	29-NOV-2010	22:10:45.361	22:12:45.877	120.51600
MS	81619	29-NOV-2010	23:49:28.187	23:52:22.492	174.30500
MA	81610	29-NOV-2010	09:16:23.992	09:17:32.059	68.067000
MA	81611	29-NOV-2010	10:55:42.429	10:57:34.183	111.75400
MI	81613	29-NOV-2010	14:25:59.569	14:28:05.487	125.91800

MI	81614	29-NOV-2010	16:01:55.834	16:04:19.586	143.75200
MI	81615	29-NOV-2010	17:44:13.921	17:46:26.217	132.29600
SG	81606	29-NOV-2010	02:45:02.242	02:47:23.645	141.40300
SG	81607	29-NOV-2010	04:24:37.541	04:26:43.759	126.21800
CM	81608	29-NOV-2010	05:22:33.151	05:24:00.615	87.464000
CM	81614	29-NOV-2010	16:04:53.529	16:06:43.601	110.07200
CM	81615	29-NOV-2010	17:45:59.469	17:47:20.224	80.755000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	81605	29-NOV-2010	01:15:43.497	01:28:32.736	769.23900
MM	81605	29-NOV-2010	01:27:40.046	01:37:37.539	597.49300
BE	81606	29-NOV-2010	02:33:25.250	02:46:32.009	786.75900
MM	81606	29-NOV-2010	03:10:30.699	03:18:08.341	457.64200
MI	81606	29-NOV-2010	02:05:18.000	02:14:05.382	527.38200
GS	81606	29-NOV-2010	02:07:44.305	02:21:03.341	799.03600
CM	81606	29-NOV-2010	03:40:59.993	03:53:02.616	722.62300
BE	81607	29-NOV-2010	04:13:16.298	04:24:45.986	689.68800
MM	81607	29-NOV-2010	04:53:30.846	04:59:22.850	352.00400
MI	81607	29-NOV-2010	03:41:49.567	03:55:06.965	797.39800
GS	81607	29-NOV-2010	03:47:22.061	04:00:21.026	778.96500
MM	81608	29-NOV-2010	06:35:23.988	06:41:56.555	392.56700
KS	81608	29-NOV-2010	05:49:59.235	05:52:29.520	150.28500
MM	81609	29-NOV-2010	08:16:11.523	08:25:00.997	529.47400
JO	81609	29-NOV-2010	07:53:07.546	08:07:55.213	887.66700
MM	81610	29-NOV-2010	09:56:31.116	10:07:26.327	655.21100
JO	81610	29-NOV-2010	09:34:11.482	09:45:53.490	702.00800
MM	81611	29-NOV-2010	11:36:35.788	11:48:48.236	732.44800
MM	81612	29-NOV-2010	13:16:26.884	13:29:08.849	761.96500
HO	81613	29-NOV-2010	15:05:55.404	15:14:40.127	524.72300
MM	81613	29-NOV-2010	14:56:02.724	15:08:43.602	760.87800
GS	81613	29-NOV-2010	14:17:53.260	14:27:53.108	599.84800
SG	81613	29-NOV-2010	15:19:09.370	15:33:00.776	831.40600
BE	81614	29-NOV-2010	15:31:18.478	15:41:39.084	620.60600
MM	81614	29-NOV-2010	16:35:22.303	16:47:54.865	752.56200

GS	81614	29-NOV-2010	15:56:03.368	16:09:59.472	836.10400
MM	81615	29-NOV-2010	18:14:30.972	18:27:04.749	753.77700
GS	81615	29-NOV-2010	17:36:13.453	17:47:13.800	660.34700
MM	81616	29-NOV-2010	19:53:44.523	20:06:26.955	762.43200
MA	81616	29-NOV-2010	18:58:20.877	19:03:08.705	287.82800
JO	81616	29-NOV-2010	20:13:14.603	20:27:45.950	871.34700
MM	81617	29-NOV-2010	21:33:26.129	21:46:05.623	759.49400
MA	81617	29-NOV-2010	20:31:36.615	20:45:19.343	822.72800
JO	81617	29-NOV-2010	21:53:06.482	22:05:56.655	770.17300
HO	81618	29-NOV-2010	23:04:43.767	23:18:21.244	817.47700
MM	81618	29-NOV-2010	23:13:57.259	23:25:59.360	722.10100
MA	81618	29-NOV-2010	22:14:23.287	22:23:39.125	555.83800

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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

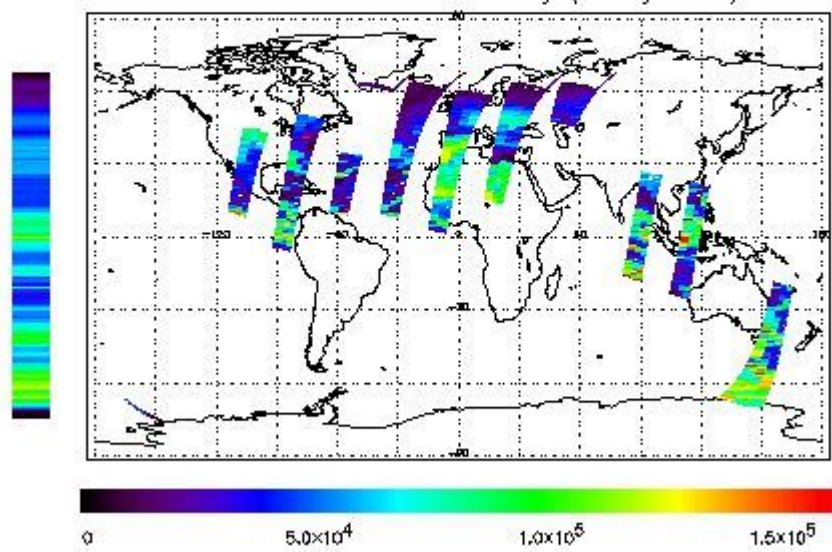
2.2 - Daily Plots

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 : 28-NOV-2010 23:37:52.469 : ORBIT : 81604.5655
 Last Product : 29-NOV-2010 22:35:58.518 : ORBIT : 81618.2642
 Total Products Processed : 12840 Day : 333 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

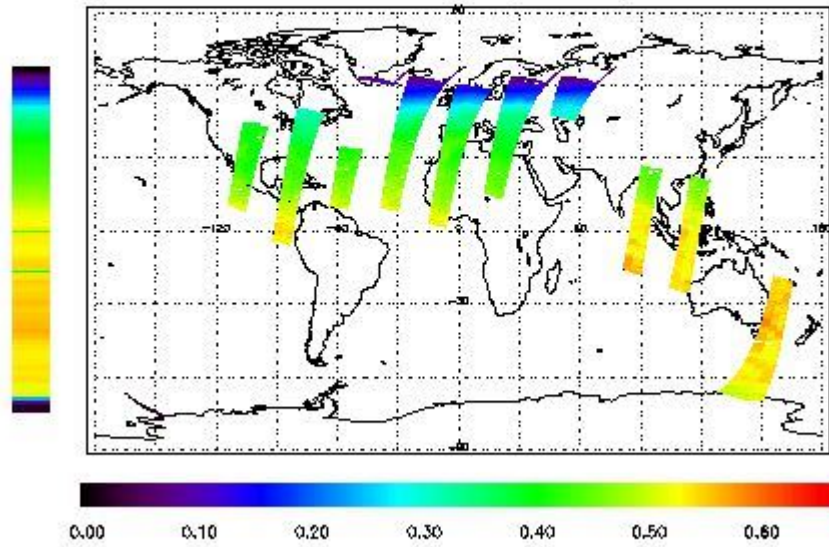


Ozone Line Ratio

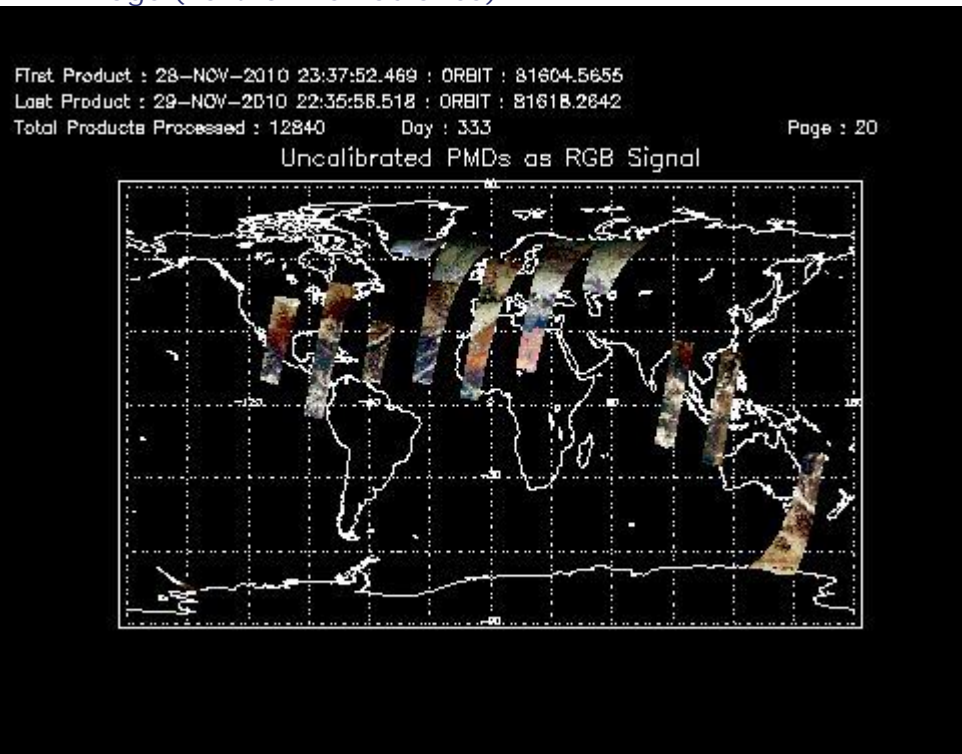
First Product : 28-NOV-2010 23:37:52.469 : ORBIT : 81604.5655
 Last Product : 29-NOV-2010 22:35:58.518 : ORBIT : 81618.2642
 Total Products Processed : 12840 Day : 333

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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	10:55:22.168	--	81611	Yes	--	15734

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
--	--	--	--	--

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