

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	06-DEC-2010
Start Time of First Product	00:03:26
Stop Time of Last Product	23:45:10
Number of EGOI Products analysed	31
Number of corrupted products	1
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_101206CMEP2371.E2	06-DEC-2010	03:23:17.208
EGOI_101206CMEP2382.E2	06-DEC-2010	15:47:06.821
EGOI_101206CMEP2388.E2	06-DEC-2010	17:26:29.938
EGOI_101206GSEP0614.E2	06-DEC-2010	01:50:13.633
EGOI_101206GSEP0642.E2	06-DEC-2010	03:29:00.743
EGOI_101206KSEP5564.E2	06-DEC-2010	07:10:18.610
EGOI_101206KSEP5593.E2	06-DEC-2010	08:50:26.729
EGOI_101206KSEP5620.E2	06-DEC-2010	10:30:06.348
EGOI_101206KSEP5645.E2	06-DEC-2010	12:09:32.477

EGOI_101206KSEP5656.E2	06-DEC-2010	13:48:31.588
EGOI_101206KSEP5681.E2	06-DEC-2010	15:26:57.700
EGOI_101206KSEP5708.E2	06-DEC-2010	17:04:25.305
EGOI_101206KSEP5738.E2	06-DEC-2010	18:42:24.409
EGOI_101206KSEP5764.E2	06-DEC-2010	20:21:26.525
EGOI_101206KSEP5792.E2	06-DEC-2010	22:03:07.656
EGOI_101206MAEP0530.E2	06-DEC-2010	08:58:01.280
EGOI_101206MAEP0544.E2	06-DEC-2010	10:37:34.895
EGOI_101206MAEP0560.E2	06-DEC-2010	20:14:41.482
EGOI_101206MIEP7087.E2	06-DEC-2010	01:49:40.629
EGOI_101206MIEP7111.E2	06-DEC-2010	03:24:20.216
EGOI_101206MIEP7124.E2	06-DEC-2010	15:44:33.806
EGOI_101206MIEP7147.E2	06-DEC-2010	17:25:20.930
EGOI_101206MSEP8974.E2	06-DEC-2010	00:03:26.475
EGOI_101206MSEP9004.E2	06-DEC-2010	12:22:50.560
EGOI_101206MSEP9019.E2	06-DEC-2010	10:44:06.448
EGOI_101206MSEP9047.E2	06-DEC-2010	21:53:48.102
EGOI_101206MSEP9078.E2	06-DEC-2010	23:31:39.705
EGOI_101206SGEP9956.E2	06-DEC-2010	02:28:03.368
EGOI_101206SGEP9963.E2	06-DEC-2010	04:06:41.478
EGOI_101206SGEP9969.E2	06-DEC-2010	15:03:21.555
EGOI_101206SGEP9976.E2	06-DEC-2010	16:43:19.172

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81709	06-DEC-2010	07:08:26.112	07:10:18.610	112.49800
KS	81710	06-DEC-2010	08:47:54.814	08:50:26.728	151.91400
KS	81711	06-DEC-2010	10:27:32.244	10:30:06.348	154.10400
KS	81712	06-DEC-2010	12:06:58.166	12:09:32.477	154.31100
KS	81713	06-DEC-2010	13:45:54.169	13:48:31.588	157.41900
KS	81714	06-DEC-2010	15:24:04.925	15:26:57.700	172.77500
KS	81715	06-DEC-2010	17:01:47.065	17:04:25.305	158.24000
KS	81716	06-DEC-2010	18:39:54.883	18:42:24.408	149.52500
KS	81717	06-DEC-2010	20:19:21.352	20:21:26.525	125.17300
KS	81718	06-DEC-2010	22:00:46.055	22:03:07.656	141.60100
KS	81719	06-DEC-2010	23:45:03.262	23:46:45.799	102.53700
GS	81706	06-DEC-2010	01:48:20.584	01:50:13.632	113.04800
GS	81707	06-DEC-2010	03:27:03.983	03:29:00.743	116.76000
MS	81705	06-DEC-2010	00:01:10.535	00:03:26.475	135.94000
MS	81712	06-DEC-2010	12:20:09.512	12:22:50.559	161.04700

MS	81711	06-DEC-2010	10:41:22.008	10:44:06.448	164.44000
MS	81718	06-DEC-2010	21:51:51.567	21:53:48.102	116.53500
MS	81719	06-DEC-2010	23:29:13.237	23:31:39.704	146.46700
MA	81710	06-DEC-2010	08:56:50.469	08:58:01.280	70.811000
MA	81711	06-DEC-2010	10:35:32.501	10:37:34.895	122.39400
MA	81717	06-DEC-2010	20:11:59.716	20:14:41.482	161.76600
MI	81706	06-DEC-2010	01:47:35.463	01:49:40.628	125.16500
MI	81707	06-DEC-2010	03:21:56.220	03:24:20.216	143.99600
MI	81714	06-DEC-2010	15:42:08.473	15:44:33.806	145.33300
MI	81715	06-DEC-2010	17:22:58.625	17:25:20.929	142.30400
SG	81706	06-DEC-2010	02:26:01.547	02:28:03.368	121.82100
SG	81706	06-DEC-2010	02:34:19.907	02:37:04.768	164.86100
SG	81707	06-DEC-2010	04:04:09.140	04:06:41.477	152.33700
SG	81707	06-DEC-2010	04:14:41.528	04:17:09.924	148.39600
SG	81713	06-DEC-2010	14:59:32.893	15:03:21.554	228.66100
SG	81714	06-DEC-2010	16:40:25.429	16:43:19.171	173.74200
CM	81707	06-DEC-2010	03:21:41.266	03:23:17.207	95.941000
CM	81714	06-DEC-2010	15:45:26.865	15:47:06.821	99.956000
CM	81715	06-DEC-2010	17:25:06.592	17:26:29.937	83.345000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	81705	06-DEC-2010	00:55:21.546	01:09:00.232	818.68600
MM	81705	06-DEC-2010	01:07:11.988	01:17:34.001	622.01300
KS	81705	06-DEC-2010	00:19:08.034	00:22:13.762	185.72800
BE	81706	06-DEC-2010	02:13:45.563	02:26:14.534	748.97100
MM	81706	06-DEC-2010	02:49:53.563	02:57:59.923	486.36000
BE	81707	06-DEC-2010	03:53:06.529	04:05:32.594	746.06500
MM	81707	06-DEC-2010	04:32:58.070	04:39:02.177	364.10700
MM	81708	06-DEC-2010	06:15:08.126	06:21:20.438	372.31200
MI	81708	06-DEC-2010	05:04:57.307	05:11:37.215	399.90800
MM	81709	06-DEC-2010	07:56:05.054	08:04:25.748	500.69400
JO	81709	06-DEC-2010	07:33:39.415	07:47:50.738	851.32300
MM	81710	06-DEC-2010	09:36:28.554	09:47:02.068	633.51400
JO	81710	06-DEC-2010	09:13:23.087	09:26:43.724	800.63700

HO	81711	06-DEC-2010	11:26:47.400	11:38:07.308	679.90800
MM	81711	06-DEC-2010	11:16:35.913	11:28:37.071	721.15800
HO	81712	06-DEC-2010	13:05:03.806	13:19:53.130	889.32400
MM	81712	06-DEC-2010	12:56:29.821	13:09:09.027	759.20600
HO	81713	06-DEC-2010	14:45:30.911	14:55:43.007	612.09600
MM	81713	06-DEC-2010	14:36:08.869	14:48:51.298	762.42900
GS	81713	06-DEC-2010	13:58:56.400	14:06:24.181	447.78100
SG	81713	06-DEC-2010	14:59:32.893	15:12:58.604	805.71100
BE	81714	06-DEC-2010	15:10:30.470	15:22:18.339	707.86900
MM	81714	06-DEC-2010	16:15:31.581	16:28:05.353	753.77200
GS	81714	06-DEC-2010	15:36:12.640	15:50:00.829	828.18900
MM	81715	06-DEC-2010	17:54:41.504	18:07:14.066	752.56200
GS	81715	06-DEC-2010	17:16:03.276	17:28:09.123	725.84700
MM	81716	06-DEC-2010	19:33:52.336	19:46:33.215	760.87900
JO	81716	06-DEC-2010	19:53:44.887	20:07:23.396	818.50900
MM	81717	06-DEC-2010	21:13:26.446	21:26:08.608	762.16200
JO	81717	06-DEC-2010	21:32:49.876	21:46:48.570	838.69400
HO	81718	06-DEC-2010	22:45:17.835	22:58:18.157	780.32200
MM	81718	06-DEC-2010	22:53:46.268	23:05:59.510	733.24200
MA	81718	06-DEC-2010	21:52:54.124	22:04:22.033	687.90900

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1.5 - List of corrupted products

Station	Orbit	Time
SG	81715	16:43:20.671

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

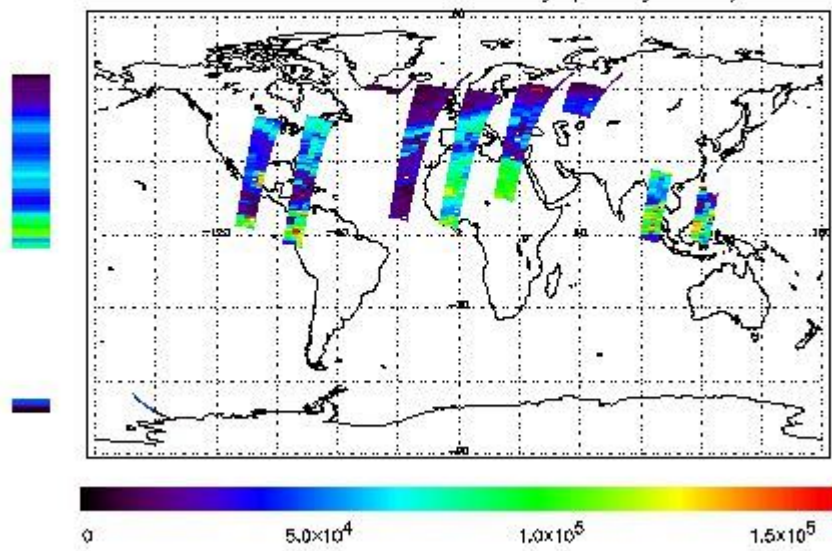
2.2 - Daily Plots

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 : 06-DEC-2010 00:03:26.475 : ORBIT : 81705.0197
 Last Product : 06-DEC-2010 23:45:09.783 : ORBIT : 81719.1523
 Total Products Processed : 15052 Day : 340 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

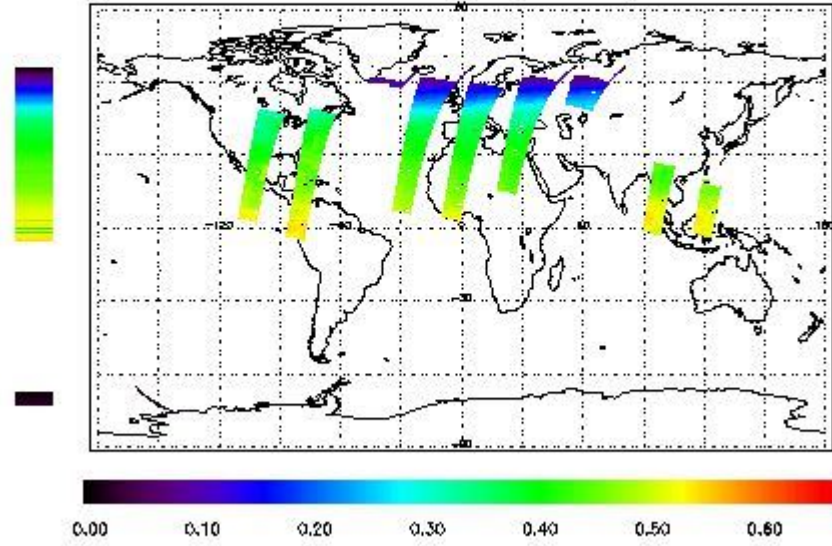


Ozone Line Ratio

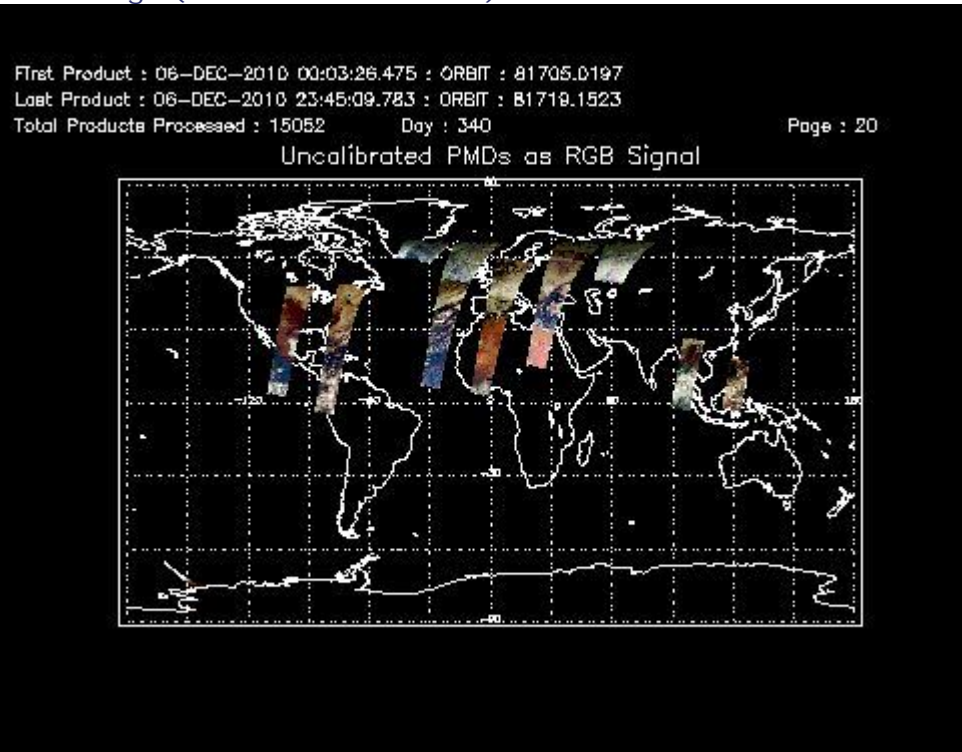
First Product : 06-DEC-2010 00:03:26.475 : ORBIT : 81705.0197
 Last Product : 06-DEC-2010 23:45:09.783 : ORBIT : 81719.1523
 Total Products Processed : 15052 Day : 340

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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	10:35:33.378	--	81711	Yes	--	15774

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