

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	10-DEC-2010
Start Time of First Product	23:52:43 (09-Dec)
Stop Time of Last Product	23:29:59
Number of EGOI Products analysed	28
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_101210CMEP2494.E2	10-DEC-2010	02:58:49.756
EGOI_101210CMEP2502.E2	10-DEC-2010	04:38:57.874
EGOI_101210CMEP2513.E2	10-DEC-2010	17:00:26.471
EGOI_101210HLEP8673.E2	10-DEC-2010	22:23:14.976
EGOI_101210KSEP6597.E2	09-DEC-2010	23:52:42.599
EGOI_101210KSEP6611.E2	10-DEC-2010	06:44:51.150
EGOI_101210KSEP6629.E2	10-DEC-2010	08:24:50.277
EGOI_101210KSEP6647.E2	10-DEC-2010	10:04:29.898
EGOI_101210KSEP6668.E2	10-DEC-2010	11:44:05.013

EGOI_101210KSEP6685.E2	10-DEC-2010	13:23:04.126
EGOI_101210KSEP6697.E2	10-DEC-2010	15:01:43.742
EGOI_101210KSEP6712.E2	10-DEC-2010	16:39:21.842
EGOI_101210KSEP6741.E2	10-DEC-2010	18:17:08.949
EGOI_101210KSEP6772.E2	10-DEC-2010	19:56:08.062
EGOI_101210KSEP6801.E2	10-DEC-2010	21:36:41.685
EGOI_101210KSEP6825.E2	10-DEC-2010	23:19:37.825
EGOI_101210MAEP0721.E2	10-DEC-2010	08:32:41.319
EGOI_101210MAEP0737.E2	10-DEC-2010	10:11:53.941
EGOI_101210MIEP7449.E2	10-DEC-2010	02:59:07.760
EGOI_101210MIEP7475.E2	10-DEC-2010	04:39:36.878
EGOI_101210MIEP7501.E2	10-DEC-2010	15:19:22.844
EGOI_101210MSEP9447.E2	10-DEC-2010	10:19:22.484
EGOI_101210MSEP9476.E2	10-DEC-2010	11:56:59.097
EGOI_101210MSEP9494.E2	10-DEC-2010	13:39:08.725
EGOI_101210MSEP9517.E2	10-DEC-2010	21:30:01.146
EGOI_101210MSEP9548.E2	10-DEC-2010	23:05:58.738
EGOI_101210SGEP0050.E2	10-DEC-2010	14:38:21.093
EGOI_101210SGEP0056.E2	10-DEC-2010	16:16:30.701

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81762	09-DEC-2010	23:51:09.330	23:52:42.599	93.269000
KS	81766	10-DEC-2010	06:42:58.312	06:44:51.149	112.83700
KS	81767	10-DEC-2010	08:22:18.031	08:24:50.277	152.24600
KS	81768	10-DEC-2010	10:01:55.620	10:04:29.897	154.27700
KS	81769	10-DEC-2010	11:41:26.130	11:44:05.012	158.88200
KS	81770	10-DEC-2010	13:20:31.734	13:23:04.126	152.39200
KS	81771	10-DEC-2010	14:59:05.992	15:01:43.742	157.75000
KS	81772	10-DEC-2010	16:36:42.911	16:39:21.842	158.93100
KS	81773	10-DEC-2010	18:14:35.175	18:17:08.948	153.77300
KS	81774	10-DEC-2010	19:53:37.309	19:56:08.061	150.75200
KS	81775	10-DEC-2010	21:34:27.934	21:36:41.684	133.75000
KS	81776	10-DEC-2010	23:17:51.246	23:19:37.824	106.57800
MS	81768	10-DEC-2010	10:16:43.663	10:19:22.484	158.82100
MS	81769	10-DEC-2010	11:54:16.991	11:56:59.097	162.10600
MS	81776	10-DEC-2010	23:03:33.968	23:05:58.738	144.77000
MA	81767	10-DEC-2010	08:31:07.014	08:32:41.319	94.305000
MA	81768	10-DEC-2010	10:09:59.666	10:11:53.941	114.27500

MI	81764	10-DEC-2010	02:56:44.516	02:59:07.760	143.24400
MI	81765	10-DEC-2010	04:37:18.100	04:39:36.877	138.77700
MI	81771	10-DEC-2010	15:16:58.693	15:19:22.844	144.15100
SG	81770	10-DEC-2010	14:34:46.960	14:38:21.093	214.13300
SG	81771	10-DEC-2010	16:13:41.973	16:16:30.701	168.72800
CM	81764	10-DEC-2010	02:57:28.451	02:58:49.755	81.304000
CM	81772	10-DEC-2010	16:58:53.590	17:00:26.470	92.880000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	81762	10-DEC-2010	00:29:05.335	00:43:42.426	877.09100
MM	81762	10-DEC-2010	00:40:56.741	00:51:47.542	650.80100
BE	81763	10-DEC-2010	01:48:43.493	01:59:44.551	661.05800
MM	81763	10-DEC-2010	02:23:24.651	02:32:08.157	523.50600
GS	81763	10-DEC-2010	01:23:40.852	01:35:07.707	686.85500
SG	81763	10-DEC-2010	02:02:34.381	02:09:37.885	423.50400
BE	81764	10-DEC-2010	03:27:20.077	03:40:30.265	790.18800
MM	81764	10-DEC-2010	04:06:29.627	04:12:57.581	387.95400
GS	81764	10-DEC-2010	03:01:15.500	03:15:10.397	834.89700
SG	81764	10-DEC-2010	03:38:16.340	03:52:04.933	828.59300
MM	81765	10-DEC-2010	05:49:00.243	05:54:54.244	354.00100
GS	81765	10-DEC-2010	04:43:51.989	04:53:03.761	551.77200
MM	81766	10-DEC-2010	07:30:12.044	07:37:55.638	463.59400
JO	81766	10-DEC-2010	07:09:01.084	07:21:47.887	766.80300
MM	81767	10-DEC-2010	09:10:41.504	09:20:44.295	602.79100
JO	81767	10-DEC-2010	08:47:08.769	09:01:41.639	872.87000
MM	81768	10-DEC-2010	10:50:52.433	11:02:36.078	703.64500
MM	81769	10-DEC-2010	12:30:49.873	12:43:23.425	753.55200
MA	81769	10-DEC-2010	11:51:59.581	11:57:05.332	305.75100
HO	81770	10-DEC-2010	14:19:29.911	14:32:10.030	760.11900
MM	81770	10-DEC-2010	14:10:32.931	14:23:16.645	763.71400
SG	81770	10-DEC-2010	14:34:46.960	14:46:48.149	721.18900
BE	81771	10-DEC-2010	14:44:14.023	14:57:07.961	773.93800
MM	81771	10-DEC-2010	15:49:59.828	16:02:35.680	755.85200
GS	81771	10-DEC-2010	15:10:48.523	15:24:02.933	794.41000

CM	81771	10-DEC-2010	15:21:00.822	15:29:54.611	533.78900
MM	81772	10-DEC-2010	17:29:12.177	17:41:43.845	751.66800
MI	81772	10-DEC-2010	16:56:30.762	17:08:04.348	693.58600
GS	81772	10-DEC-2010	16:50:14.057	17:03:20.170	786.11300
MM	81773	10-DEC-2010	19:08:20.872	19:20:59.390	758.51800
JO	81773	10-DEC-2010	19:29:04.273	19:40:41.284	697.01100
MM	81774	10-DEC-2010	20:47:46.692	21:00:30.511	763.81900
MA	81774	10-DEC-2010	19:47:03.239	19:59:41.199	757.96000
JO	81774	10-DEC-2010	21:07:00.064	21:21:48.703	888.63900
HO	81775	10-DEC-2010	22:20:43.731	22:32:30.252	706.52100
MM	81775	10-DEC-2010	22:27:52.925	22:40:17.639	744.71400
MA	81775	10-DEC-2010	21:26:04.640	21:39:12.091	787.45100
HO	81776	10-DEC-2010	23:57:58.439	00:12:29.489	871.05000

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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

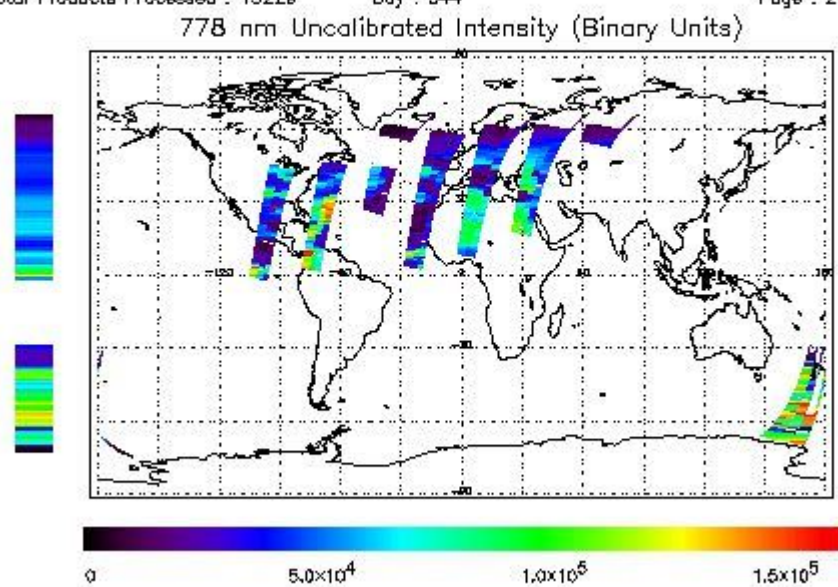
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	OK
331/338 nm Uncal. Line Ratio	OK
Uncal. PMDs as RGB signal	OK
780 nm 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 : 09-DEC-2010 23:52:42.599 : ORBIT : 81762.1701
 Last Product : 10-DEC-2010 23:29:58.891 : ORBIT : 81778.2585
 Total Products Processed : 13229 Day : 344 Page : 21

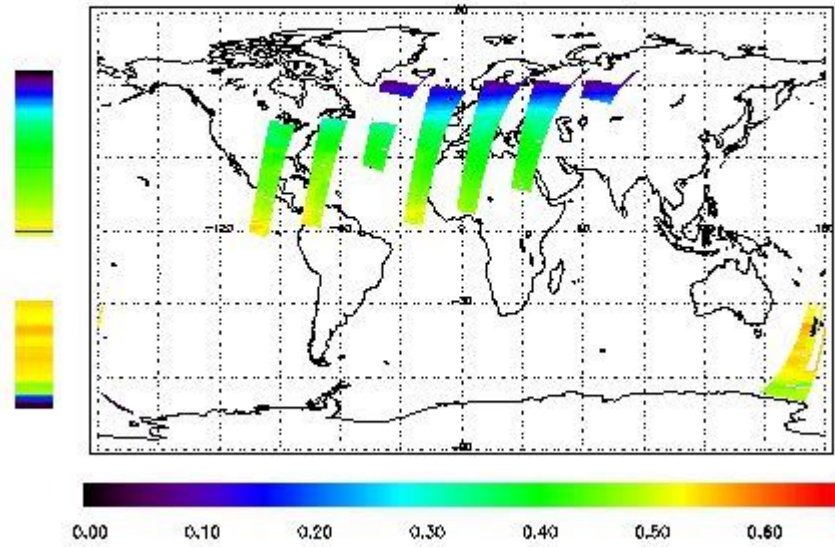


Ozone Line Ratio

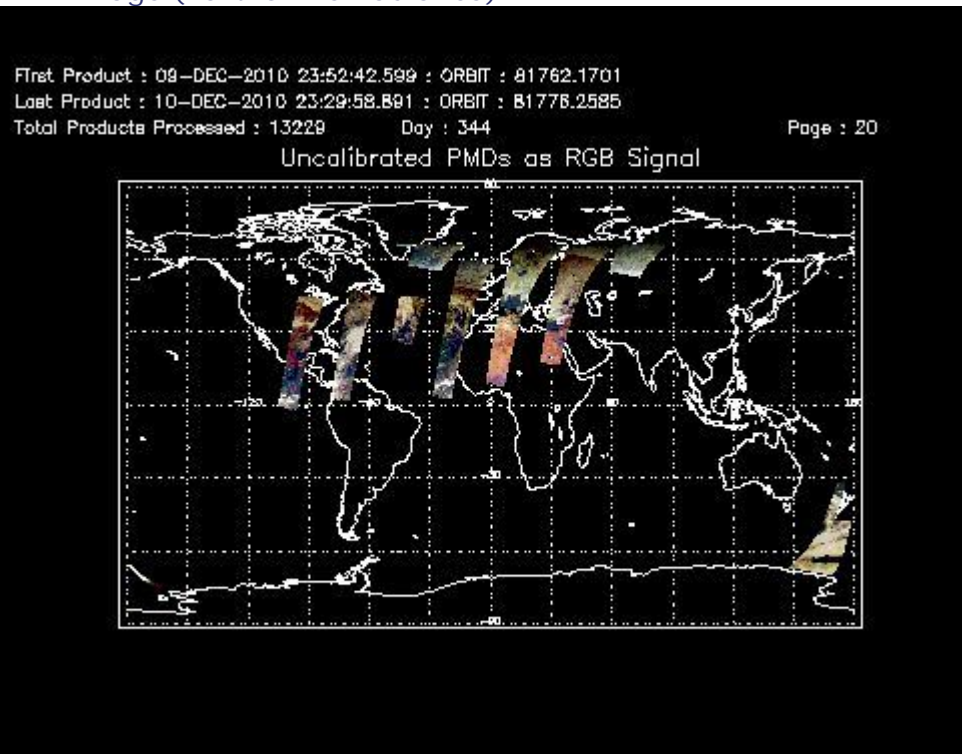
First Product : 09-DEC-2010 23:52:42.599 : ORBIT : 81762.1701
 Last Product : 10-DEC-2010 23:29:58.891 : ORBIT : 81776.2585
 Total Products Processed : 13229 Day : 344

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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	11:50:21.548	--	81769	Yes	--	15698

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
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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