

GOME Daily Report

INDEX

1. [General Info](#)
 - 1.1 [Report Summary](#)
 - 1.2 [List of received products](#)
 - 1.3 [List of data gaps](#)
 - 1.4 [List of missing products](#)
 - 1.5 [List of corrupted products](#)
2. [Instrument Indicators and Daily Plots](#)
 - 2.1 [Instrument Indicators Status](#)
 - 2.2 [Daily Plots](#)
3. [Instrument Calibration](#)
 - 3.1 [Solar Calibration \(daily/TST44\)](#)
 - 3.2 [Lamp Calibration \(quarterly/TST44\)](#)
4. [Instrument Anomalies](#)
 - 4.1 [Single Event Upset \(SEU\)](#)
 - 4.2 [Instrument Off](#)
 - 4.3 [Cooler Switchings](#)
5. [Instrument Operations](#)
 - 5.1 [Timeline Interruptions](#)
 - 5.2 [TST44](#)
 - 5.3 [Power Cycle](#)
 - 5.4 [Wrong Command Execution](#)
 - 5.5 [Narrow Swath Timeline](#)
 - 5.6 [Seasonal Operations](#)

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	13-DEC-2010
Start Time of First Product	23:43:06 (12-Dec)
Stop Time of Last Product	23:35:39
Number of EGOI Products analysed	30
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_101213CMEP2572.E2	13-DEC-2010	03:04:13.588
EGOI_101213CMEP2578.E2	13-DEC-2010	04:44:56.214
EGOI_101213CMEP2588.E2	13-DEC-2010	15:27:45.202
EGOI_101213CMEP2592.E2	13-DEC-2010	17:06:08.311
EGOI_101213KSEP7394.E2	12-DEC-2010	23:59:54.447
EGOI_101213KSEP7408.E2	13-DEC-2010	06:50:19.493
EGOI_101213KSEP7427.E2	13-DEC-2010	08:30:32.117
EGOI_101213KSEP7448.E2	13-DEC-2010	10:10:13.230
EGOI_101213KSEP7470.E2	13-DEC-2010	11:49:45.353

EGOI_101213KSEP7487.E2	13-DEC-2010	13:28:42.965
EGOI_101213KSEP7511.E2	13-DEC-2010	15:07:24.073
EGOI_101213KSEP7534.E2	13-DEC-2010	16:44:56.182
EGOI_101213KSEP7564.E2	13-DEC-2010	18:22:50.790
EGOI_101213KSEP7591.E2	13-DEC-2010	20:01:31.902
EGOI_101213KSEP7619.E2	13-DEC-2010	21:42:29.529
EGOI_101213KSEP7642.E2	13-DEC-2010	23:26:31.676
EGOI_101213MAEP0824.E2	13-DEC-2010	08:38:15.659
EGOI_101213MIEP7746.E2	13-DEC-2010	03:04:43.591
EGOI_101213MIEP7772.E2	13-DEC-2010	04:45:41.214
EGOI_101213MIEP7782.E2	13-DEC-2010	15:24:58.686
EGOI_101213MSEP9786.E2	12-DEC-2010	23:43:06.341
EGOI_101213MSEP9811.E2	13-DEC-2010	10:24:49.324
EGOI_101213MSEP9840.E2	13-DEC-2010	12:02:40.929
EGOI_101213MSEP9853.E2	13-DEC-2010	13:45:22.068
EGOI_101213MSEP9877.E2	13-DEC-2010	21:35:09.982
EGOI_101213MSEP9909.E2	13-DEC-2010	23:11:34.579
EGOI_101213SGEP0115.E2	13-DEC-2010	02:11:56.766
EGOI_101213SGEP0122.E2	13-DEC-2010	03:54:55.901
EGOI_101213SGEP0129.E2	13-DEC-2010	14:44:31.432
EGOI_101213SGEP0135.E2	13-DEC-2010	16:22:20.041

[[BACK TO MENU](#)]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81805	12-DEC-2010	23:57:17.100	23:59:54.447	157.34700
KS	81809	13-DEC-2010	06:48:37.306	06:50:19.492	102.18600
KS	81810	13-DEC-2010	08:27:59.479	08:30:32.116	152.63700
KS	81811	13-DEC-2010	10:07:37.143	10:10:13.230	156.08700
KS	81812	13-DEC-2010	11:47:06.734	11:49:45.353	158.61900
KS	81813	13-DEC-2010	13:26:10.317	13:28:42.964	152.64700
KS	81814	13-DEC-2010	15:04:40.379	15:07:24.072	163.69300
KS	81815	13-DEC-2010	16:42:16.754	16:44:56.182	159.42800
KS	81816	13-DEC-2010	18:20:12.469	18:22:50.789	158.32000
KS	81817	13-DEC-2010	19:59:19.788	20:01:31.901	132.11300
KS	81818	13-DEC-2010	21:40:17.748	21:42:29.528	131.78000
KS	81819	13-DEC-2010	23:23:52.106	23:26:31.675	159.56900
MS	81811	13-DEC-2010	10:22:09.936	10:24:49.323	159.38700
MS	81812	13-DEC-2010	12:00:02.601	12:02:40.929	158.32800
MS	81819	13-DEC-2010	23:09:13.940	23:11:34.579	140.63900
MA	81810	13-DEC-2010	08:36:49.283	08:38:15.659	86.376000

MI	81807	13-DEC-2010	03:02:18.192	03:04:43.591	145.39900
MI	81808	13-DEC-2010	04:43:19.249	04:45:41.213	141.96400
MI	81814	13-DEC-2010	15:22:32.311	15:24:58.686	146.37500
SG	81806	13-DEC-2010	02:07:37.321	02:11:56.765	259.44400
SG	81807	13-DEC-2010	03:43:59.167	03:54:55.900	656.73300
SG	81813	13-DEC-2010	14:40:14.108	14:44:31.431	257.32300
SG	81814	13-DEC-2010	16:19:34.255	16:22:20.041	165.78600
CM	81807	13-DEC-2010	03:02:46.604	03:04:13.588	86.984000
CM	81814	13-DEC-2010	15:26:21.971	15:27:45.201	83.230000
CM	81815	13-DEC-2010	17:04:40.590	17:06:08.311	87.721000

[[BACK TO MENU](#)]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	81805	13-DEC-2010	00:34:57.872	00:49:22.126	864.25400
MM	81805	13-DEC-2010	00:46:46.429	00:57:31.112	644.68300
BE	81806	13-DEC-2010	01:54:15.453	02:05:40.707	685.25400
MM	81806	13-DEC-2010	02:29:17.535	02:37:52.829	515.29400
GS	81806	13-DEC-2010	01:29:07.978	01:40:53.430	705.45200
BE	81807	13-DEC-2010	03:33:02.943	03:46:05.898	782.95500
MM	81807	13-DEC-2010	04:12:22.876	04:18:44.840	381.96400
GS	81807	13-DEC-2010	03:06:58.010	03:20:50.595	832.58500
MM	81808	13-DEC-2010	05:54:49.150	06:00:46.355	357.20500
MM	81809	13-DEC-2010	07:35:57.359	07:43:49.141	471.78200
JO	81809	13-DEC-2010	07:14:27.026	07:27:36.796	789.77000
MM	81810	13-DEC-2010	09:16:25.385	09:26:35.264	609.87900
JO	81810	13-DEC-2010	08:52:56.151	09:07:17.220	861.06900
MM	81811	13-DEC-2010	10:56:35.504	11:08:23.339	707.83500
MA	81811	13-DEC-2010	10:15:42.577	10:28:11.641	749.06400
MM	81812	13-DEC-2010	12:36:32.166	12:49:07.196	755.03000
HO	81813	13-DEC-2010	14:25:15.847	14:37:34.585	738.73800
MM	81813	13-DEC-2010	14:16:14.344	14:28:57.862	763.51800
SG	81813	13-DEC-2010	14:40:14.108	14:52:39.948	745.84000
BE	81814	13-DEC-2010	14:50:02.060	15:02:44.924	762.86400
MM	81814	13-DEC-2010	15:55:40.304	16:08:15.655	755.35100
GS	81814	13-DEC-2010	15:16:26.451	15:29:50.878	804.42700

MM	81815	13-DEC-2010	17:34:52.043	17:47:23.838	751.79500
MI	81815	13-DEC-2010	17:02:20.787	17:13:29.616	668.82900
GS	81815	13-DEC-2010	16:55:57.761	17:08:52.620	774.85900
MM	81816	13-DEC-2010	19:14:01.084	19:26:40.145	759.06100
JO	81816	13-DEC-2010	19:34:30.297	19:46:40.985	730.68800
MM	81817	13-DEC-2010	20:53:28.613	21:06:12.218	763.60500
MA	81817	13-DEC-2010	19:52:34.106	20:05:33.336	779.23000
JO	81817	13-DEC-2010	21:12:43.223	21:27:24.103	880.88000
HO	81818	13-DEC-2010	22:26:09.191	22:38:14.781	725.59000
MM	81818	13-DEC-2010	22:33:37.767	22:46:00.198	742.43100
MA	81818	13-DEC-2010	21:31:52.264	21:44:50.584	778.32000

[[BACK TO MENU](#)]

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

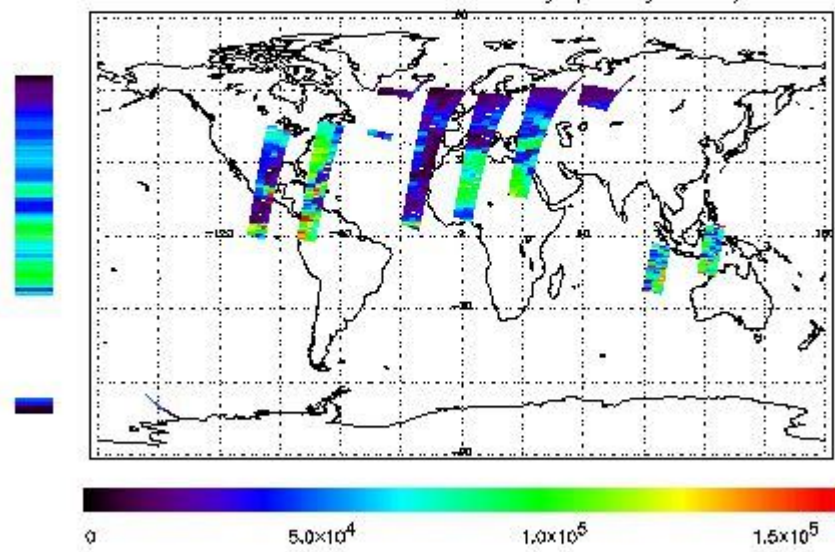
2.2 - Daily Plots

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 : 12-DEC-2010 23:43:06.341 : ORBIT : 81805.0175
 Last Product : 13-DEC-2010 23:35:39.234 : ORBIT : 81819.2577
 Total Products Processed : 13304 Day : 347 Page : 21

778 nm Uncalibrated Intensity (Binary Units)



Ozone Line Ratio

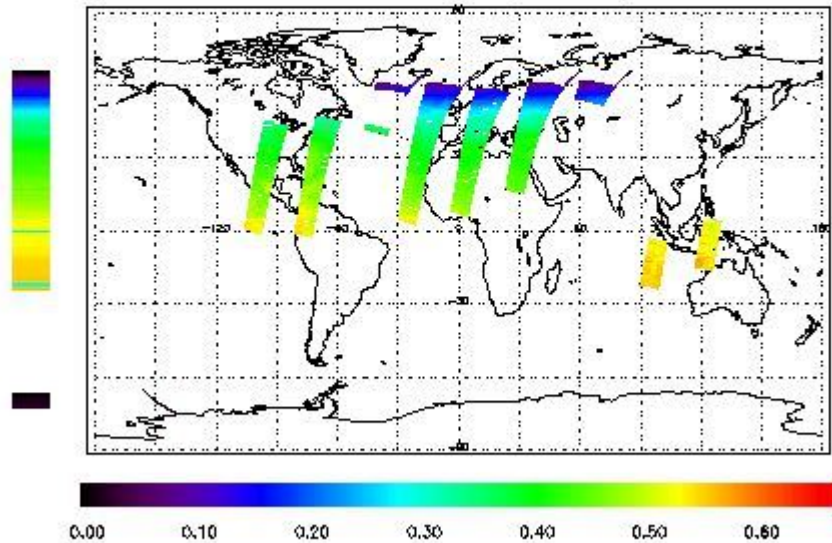
First Product : 12-DEC-2010 23:43:06.341 : ORBIT : 81805.0175

Last Product : 13-DEC-2010 23:35:39.234 : ORBIT : 81819.2577

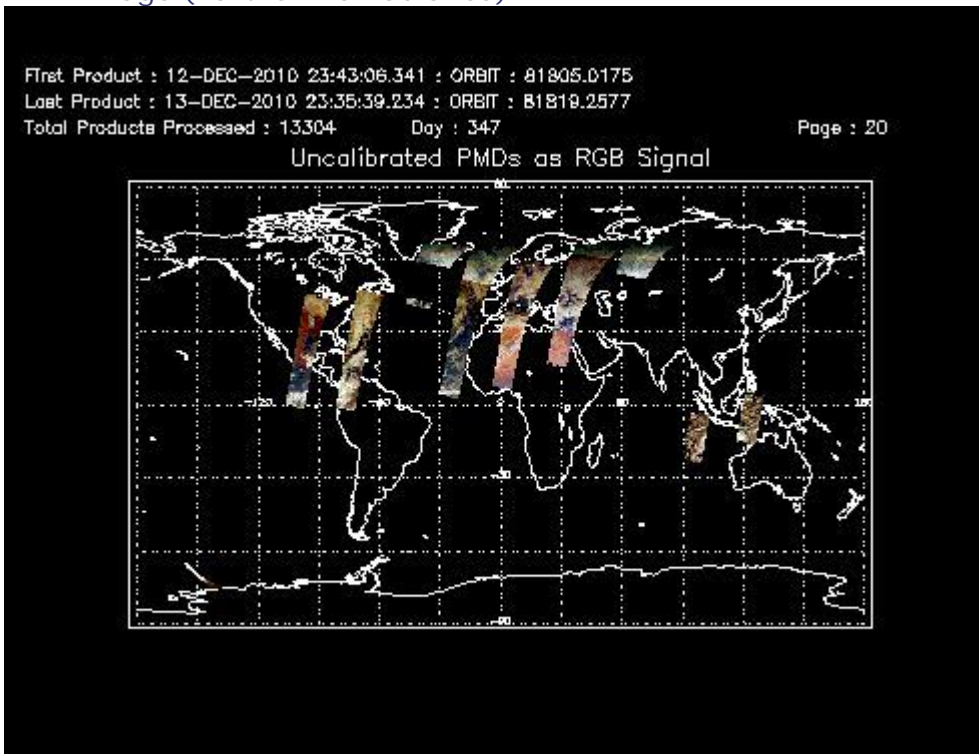
Total Products Processed : 13304 Day : 347

Page : 20

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	10:15:35.768	--	81811	Yes	--	15801

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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[[BACK TO MENU](#)]

(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