GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	31-DEC-2010
Start Time of First Product	00:18:16
Stop Time of Last Product	23:07:33
Number of EGOI Products analysed	33
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_101231CMEP3060.E2	31-DEC-2010	03:36:57.280
EGOI_101231CMEP3071.E2	31-DEC-2010	05:17:47.403
EGOI_101231CMEP3079.E2	31-DEC-2010	16:01:00.390
EGOI_101231CMEP3089.E2	31-DEC-2010	17:41:37.014
EGOI_101231GSEP2463.E2	31-DEC-2010	02:04:10.208
EGOI_101231GSEP2494.E2	31-DEC-2010	03:43:36.327
EGOI_101231GSEP2503.E2	31-DEC-2010	05:26:18.966
EGOI_101231HLEP8971.E2	31-DEC-2010	23:01:44.995
EGOI_101231KSEP1766.E2	31-DEC-2010	07:24:30.190

EGOI_101231KSEP1785.E2	31-DEC-2010	09:04:42.809
EGOI_101231KSEP1810.E2	31-DEC-2010	10:44:20.929
EGOI_101231KSEP1834.E2	31-DEC-2010	12:23:42.541
EGOI_101231KSEP1847.E2	31-DEC-2010	14:02:41.657
EGOI_101231KSEP1857.E2	31-DEC-2010	15:40:37.765
EGOI_101231KSEP1874.E2	31-DEC-2010	17:18:30.869
EGOI_101231KSEP1904.E2	31-DEC-2010	18:56:19.474
EGOI_101231KSEP1936.E2	31-DEC-2010	20:35:47.094
EGOI_101231KSEP1964.E2	31-DEC-2010	22:17:41.721
EGOI_101231MAEP1386.E2	31-DEC-2010	09:12:02.356
EGOI_101231MAEP1401.E2	31-DEC-2010	10:51:58.475
EGOI_101231MAEP1421.E2	31-DEC-2010	22:09:43.170
EGOI_101231MIEP9326.E2	31-DEC-2010	02:02:26.696
EGOI_101231MIEP9355.E2	31-DEC-2010	03:38:37.792
EGOI_101231MIEP9377.E2	31-DEC-2010	14:23:13.283
EGOI_101231MIEP9398.E2	31-DEC-2010	17:40:25.007
EGOI_101231MSEP1870.E2	31-DEC-2010	00:18:15.558
EGOI_101231MSEP1894.E2	31-DEC-2010	10:57:39.009
EGOI_101231MSEP1922.E2	31-DEC-2010	12:37:05.129
EGOI_101231MSEP1950.E2	31-DEC-2010	22:07:22.159
EGOI_101231SGEP0523.E2	31-DEC-2010	02:41:55.439
EGOI_101231SGEP0529.E2	31-DEC-2010	04:20:48.554
EGOI_101231SGEP0538.E2	31-DEC-2010	15:16:03.108
EGOI_101231SGEP0545.E2	31-DEC-2010	16:58:26.248

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82067	31-DEC-2010	07:22:36.882	07:24:30.189	113.30700
KS	82068	31-DEC-2010	09:02:08.794	09:04:42.808	154.01400
KS	82069	31-DEC-2010	10:41:45.616	10:44:20.928	155.31200
KS	82070	31-DEC-2010	12:21:08.468	12:23:42.541	154.07300
KS	82071	31-DEC-2010	14:00:02.228	14:02:41.656	159.42800
KS	82072	31-DEC-2010	15:38:03.116	15:40:37.764	154.64800
KS	82073	31-DEC-2010	17:15:52.305	17:18:30.868	158.56300
KS	82074	31-DEC-2010	18:54:01.406	18:56:19.474	138.06800
KS	82075	31-DEC-2010	20:33:42.478	20:35:47.094	124.61600
KS	82076	31-DEC-2010	22:15:27.382	22:17:41.720	134.33800
GS	82064	31-DEC-2010	02:02:10.724	02:04:10.208	119.48400
GS	82065	31-DEC-2010	03:41:32.710	03:43:36.327	123.61700
MS	82063	31-DEC-2010	00:15:58.651	00:18:15.558	136.90700

MS	82069	31-DEC-2010	10:55:03.360	10:57:39.008	155.64800
MS	82070	31-DEC-2010	12:34:29.074	12:37:05.128	156.05400
MS	82076	31-DEC-2010	22:05:19.135	22:07:22.159	123.02400
MS	82077	31-DEC-2010	23:43:39.330	23:46:01.767	142.43700
MA	82069	31-DEC-2010	10:49:55.177	10:51:58.475	123.29800
MA	82076	31-DEC-2010	22:08:21.727	22:09:43.170	81.443000
MI	82064	31-DEC-2010	02:00:06.476	02:02:26.695	140.21900
MI	82065	31-DEC-2010	03:36:07.043	03:38:37.792	150.74900
MI	82071	31-DEC-2010	14:21:14.639	14:23:13.283	118.64400
MI	82073	31-DEC-2010	17:38:02.796	17:40:25.006	142.21000
SG	82064	31-DEC-2010	02:39:33.720	02:41:55.439	141.71900
SG	82065	31-DEC-2010	04:18:44.347	04:20:48.554	124.20700
SG	82071	31-DEC-2010	15:13:31.606	15:16:03.107	151.50100
SG	82072	31-DEC-2010	16:55:47.670	16:58:26.248	158.57800
CM	82064	31-DEC-2010	03:35:26.863	03:36:57.279	90.416000
CM	82066	31-DEC-2010	05:16:24.642	05:17:47.402	82.760000
CM	82072	31-DEC-2010	15:59:18.442	16:01:00.389	101.94700
CM	82073	31-DEC-2010	17:39:57.496	17:41:37.014	99.518000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	82063	31-DEC-2010	01:09:53.596	01:22:58.577	784.98100
MM	82063	31-DEC-2010	01:21:48.925	01:31:53.601	604.67600
BE	82064	31-DEC-2010	02:27:47.391	02:40:45.647	778.25600
MM	82064	31-DEC-2010	03:04:37.148	03:12:22.929	465.78100
CM	82064	31-DEC-2010	03:35:26.863	03:47:17.372	710.50900
BE	82065	31-DEC-2010	04:07:29.941	04:19:17.898	707.95700
MM	82065	31-DEC-2010	04:47:38.914	04:53:33.726	354.81200
MM	82066	31-DEC-2010	06:29:36.891	06:36:03.220	386.32900
MM	82067	31-DEC-2010	08:10:26.931	08:19:08.231	521.30000
JO	82067	31-DEC-2010	07:47:32.308	08:02:11.958	879.65000
MM	82068	31-DEC-2010	09:50:47.586	10:01:36.803	649.21700
JO	82068	31-DEC-2010	09:28:12.125	09:40:27.176	735.05100
MM	82069	31-DEC-2010	11:30:53.021	11:43:02.446	729.42500
MM	82070	31-DEC-2010	13:10:44.927	13:23:26.238	761.31100

HO	82071	31-DEC-2010	15:00:05.207	15:09:12.160	546.95300
MM	82071	31-DEC-2010	14:50:21.692	15:03:03.048	761.35600
GS	82071	31-DEC-2010	14:12:25.206	14:21:48.932	563.72600
SG	82071	31-DEC-2010	15:13:31.606	15:27:18.843	827.23700
BE	82072	31-DEC-2010	15:25:19.501	15:36:09.120	649.61900
MM	82072	31-DEC-2010	16:29:42.149	16:42:15.013	752.86400
MI	82072	31-DEC-2010	15:56:15.542	16:09:38.477	802.93500
GS	82072	31-DEC-2010	15:50:22.745	16:04:18.106	835.36100
MM	82073	31-DEC-2010	18:08:51.114	18:21:24.504	753.39000
GS	82073	31-DEC-2010	17:30:27.137	17:41:48.043	680.90600
MM	82074	31-DEC-2010	19:48:03.792	20:00:45.818	762.02600
MA	82074	31-DEC-2010	18:53:07.928	18:57:26.266	258.33800
JO	82074	31-DEC-2010	20:07:39.149	20:21:58.386	859.23700
MM	82075	31-DEC-2010	21:27:43.164	21:40:23.555	760.39100
MA	82075	31-DEC-2010	20:25:59.228	20:39:45.064	825.83600
JO	82075	31-DEC-2010	21:47:17.716	22:00:30.489	792.77300
HO	82076	31-DEC-2010	22:59:14.271	23:12:37.772	803.50100
MM	82076	31-DEC-2010	23:08:11.003	23:20:16.492	725.48900

[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

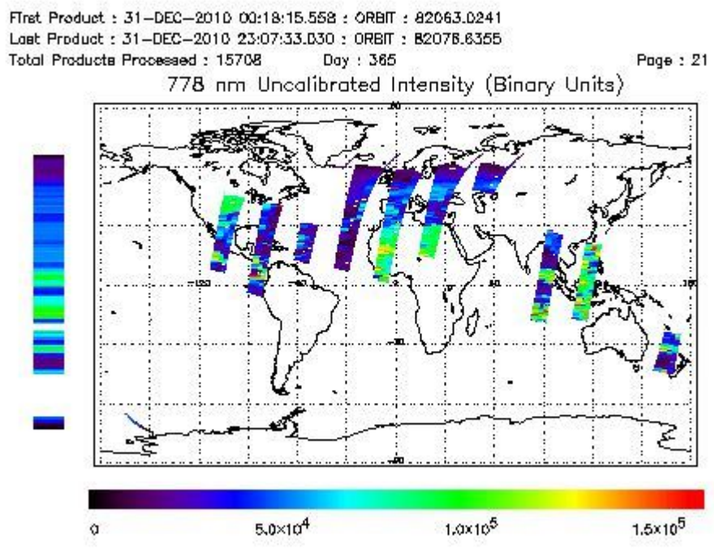
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration 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

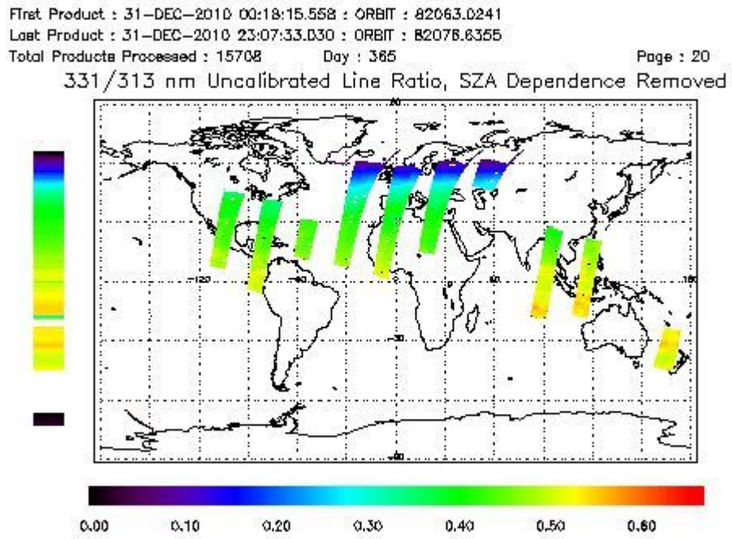
2.2 - Daily Plots

The images linked below provide a quick check on the data coverage and instrument performance. All data are UNCALIBRATED. For the explaination see the GOME Performance Legend

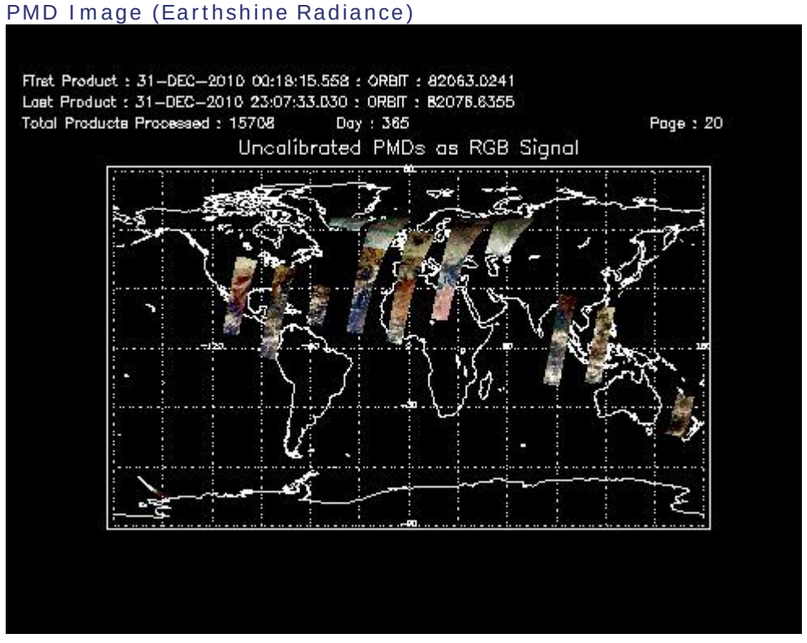
NEAR IR Intensity



Ozone Line Ratio



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	10:50:05.964	--	82069	Yes	--	15827

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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(1)

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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