

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	01-JUN-2010
Start Time of First Product	00:11:19
Stop Time of Last Product	23:52:39
Number of EGOI Products analysed	36
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100601BEEP2907.E2	01-JUN-2010	02:23:51.553
EGOI_100601BEEP2913.E2	01-JUN-2010	04:03:13.159
EGOI_100601CMEP7853.E2	01-JUN-2010	03:30:32.459
EGOI_100601CMEP7862.E2	01-JUN-2010	05:11:07.573
EGOI_100601CMEP7873.E2	01-JUN-2010	15:54:37.003
EGOI_100601GSEP7525.E2	01-JUN-2010	01:57:54.397
EGOI_100601GSEP7554.E2	01-JUN-2010	03:36:54.998
EGOI_100601GSEP7563.E2	01-JUN-2010	05:19:27.123
EGOI_100601KSEP0267.E2	01-JUN-2010	07:18:00.845

EGOI_100601KSEP0286.E2	01-JUN-2010	08:57:59.956
EGOI_100601KSEP0308.E2	01-JUN-2010	10:37:39.566
EGOI_100601KSEP0333.E2	01-JUN-2010	12:17:02.677
EGOI_100601KSEP0360.E2	01-JUN-2010	13:56:01.776
EGOI_100601KSEP0386.E2	01-JUN-2010	15:34:15.878
EGOI_100601KSEP0415.E2	01-JUN-2010	17:11:50.977
EGOI_100601KSEP0447.E2	01-JUN-2010	18:49:50.072
EGOI_100601KSEP0478.E2	01-JUN-2010	20:29:05.682
EGOI_100601KSEP0506.E2	01-JUN-2010	22:10:42.301
EGOI_100601MAEP2796.E2	01-JUN-2010	09:05:17.999
EGOI_100601MAEP2806.E2	01-JUN-2010	10:45:12.609
EGOI_100601MIEP4250.E2	01-JUN-2010	01:56:18.385
EGOI_100601MIEP4270.E2	01-JUN-2010	05:15:54.100
EGOI_100601MIEP4282.E2	01-JUN-2010	14:17:43.908
EGOI_100601MIEP4291.E2	01-JUN-2010	15:52:03.987
EGOI_100601MIEP4312.E2	01-JUN-2010	17:33:21.102
EGOI_100601MMEP9249.E2	01-JUN-2010	01:16:27.143
EGOI_100601MMEP9256.E2	01-JUN-2010	02:58:56.268
EGOI_100601MMEP9269.E2	01-JUN-2010	11:25:39.861
EGOI_100601MMEP9274.E2	01-JUN-2010	19:43:32.397
EGOI_100601MSEP7343.E2	01-JUN-2010	00:11:19.244
EGOI_100601MSEP7365.E2	01-JUN-2010	10:51:17.150
EGOI_100601MSEP7393.E2	01-JUN-2010	12:30:28.256
EGOI_100601MSEP7423.E2	01-JUN-2010	22:00:58.738
EGOI_100601MSEP7453.E2	01-JUN-2010	23:39:11.337
EGOI_100601SGEP5954.E2	01-JUN-2010	04:14:08.725
EGOI_100601SGEP5963.E2	01-JUN-2010	16:51:28.348

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	79018	01-JUN-2010	07:16:56.443	07:18:00.845	64.402000
KS	79019	01-JUN-2010	08:56:27.190	08:57:59.955	92.765000
KS	79020	01-JUN-2010	10:36:04.297	10:37:39.565	95.268000
KS	79021	01-JUN-2010	12:15:28.423	12:17:02.676	94.253000
KS	79022	01-JUN-2010	13:54:22.760	13:56:01.776	99.016000
KS	79023	01-JUN-2010	15:32:27.910	15:34:15.877	107.96700
KS	79024	01-JUN-2010	17:10:11.823	17:11:50.976	99.153000
KS	79025	01-JUN-2010	18:48:22.592	18:49:50.071	87.479000
KS	79026	01-JUN-2010	20:27:57.732	20:29:05.681	67.949000
KS	79027	01-JUN-2010	22:09:34.438	22:10:42.301	67.863000
GS	79015	01-JUN-2010	01:56:38.007	01:57:54.397	76.390000

GS	79016	01-JUN-2010	03:35:44.444	03:36:54.998	70.554000
MS	79014	01-JUN-2010	00:10:01.879	00:11:19.244	77.365000
MS	79020	01-JUN-2010	10:49:36.088	10:51:17.150	101.06200
MS	79021	01-JUN-2010	12:28:44.393	12:30:28.256	103.86300
MS	79027	01-JUN-2010	21:59:54.646	22:00:58.738	64.092000
MS	79028	01-JUN-2010	23:37:51.890	23:39:11.337	79.447000
MA	79020	01-JUN-2010	10:44:09.312	10:45:12.608	63.296000
MI	79015	01-JUN-2010	01:54:59.949	01:56:18.384	78.435000
MI	79017	01-JUN-2010	05:14:50.827	05:15:54.100	63.273000
MI	79023	01-JUN-2010	15:50:36.074	15:52:03.987	87.913000
MI	79024	01-JUN-2010	17:31:58.109	17:33:21.102	82.993000
MM	79025	01-JUN-2010	19:42:23.148	19:43:32.397	69.249000
BE	79015	01-JUN-2010	02:22:10.150	02:23:51.553	101.40300
BE	79016	01-JUN-2010	04:01:44.171	04:03:13.159	88.988000
SG	79016	01-JUN-2010	04:12:53.024	04:14:08.725	75.701000
SG	79023	01-JUN-2010	16:49:34.408	16:51:28.347	113.93900
SG	79023	01-JUN-2010	16:53:20.859	16:58:07.060	286.20100
CM	79023	01-JUN-2010	16:00:53.541	16:05:26.345	272.80400

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	79014	01-JUN-2010	01:04:05.914	01:17:23.607	797.69300
SG	79015	01-JUN-2010	02:34:07.149	02:45:57.967	710.81800
CM	79015	01-JUN-2010	03:29:55.332	03:41:30.924	695.59200
MM	79016	01-JUN-2010	04:41:46.741	04:47:44.892	358.15100
MI	79016	01-JUN-2010	03:30:25.779	03:43:48.764	802.98500
MM	79017	01-JUN-2010	06:23:49.565	06:30:10.001	380.43600
MM	79018	01-JUN-2010	08:04:42.249	08:13:15.330	513.08100
JO	79018	01-JUN-2010	07:41:58.241	07:56:28.009	869.76800
MM	79019	01-JUN-2010	09:45:04.008	09:55:47.065	643.05700
JO	79019	01-JUN-2010	09:22:15.034	09:34:58.980	763.94600
HO	79020	01-JUN-2010	11:35:04.122	11:47:07.811	723.68900
HO	79021	01-JUN-2010	13:13:35.145	13:28:24.495	889.35000
MM	79021	01-JUN-2010	13:05:02.919	13:17:43.472	760.55300
HO	79022	01-JUN-2010	14:54:14.777	15:03:43.308	568.53100

MM	79022	01-JUN-2010	14:44:40.604	14:57:22.413	761.80900
GS	79022	01-JUN-2010	14:06:59.372	14:15:41.861	522.48900
SG	79022	01-JUN-2010	15:07:55.120	15:21:35.690	820.57000
BE	79023	01-JUN-2010	15:19:22.552	15:30:37.712	675.16000
MM	79023	01-JUN-2010	16:24:01.954	16:36:35.156	753.20200
GS	79023	01-JUN-2010	15:44:42.445	15:58:35.864	833.41900
MM	79024	01-JUN-2010	18:03:11.265	18:15:44.298	753.03300
GS	79024	01-JUN-2010	17:24:41.280	17:36:21.228	699.94800
CM	79024	01-JUN-2010	17:33:59.122	17:43:12.461	553.33900
MA	79025	01-JUN-2010	18:47:33.290	18:51:43.396	250.10600
JO	79025	01-JUN-2010	20:02:04.651	20:16:09.473	844.82200
MM	79026	01-JUN-2010	21:22:00.359	21:34:41.537	761.17800
MA	79026	01-JUN-2010	20:20:22.743	20:34:10.037	827.29400
JO	79026	01-JUN-2010	21:41:29.919	21:55:02.788	812.86900
HO	79027	01-JUN-2010	22:53:39.237	23:06:53.992	794.75500
MM	79027	01-JUN-2010	23:02:24.953	23:14:33.666	728.71300
MA	79027	01-JUN-2010	22:01:51.332	22:12:40.136	648.80400

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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

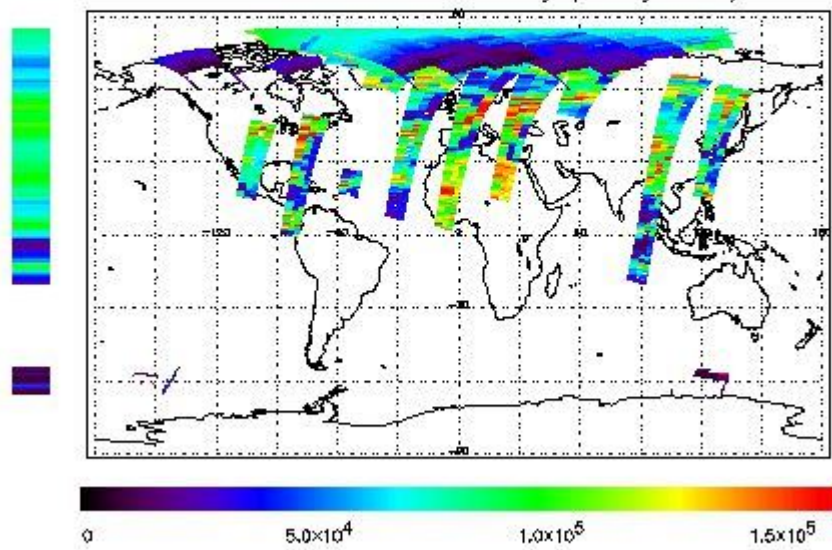
2.2 - Daily Plots

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

Fret Product : 01-JUN-2010 00:11:19.244 : ORBIT : 79014.0123
 Last Product : 01-JUN-2010 23:52:39.919 : ORBIT : 79028.1411
 Total Products Processed : 16753 Day : 152 Page : 21

778 nm Uncalibrated Intensity (Binary Units)



Ozone Line Ratio

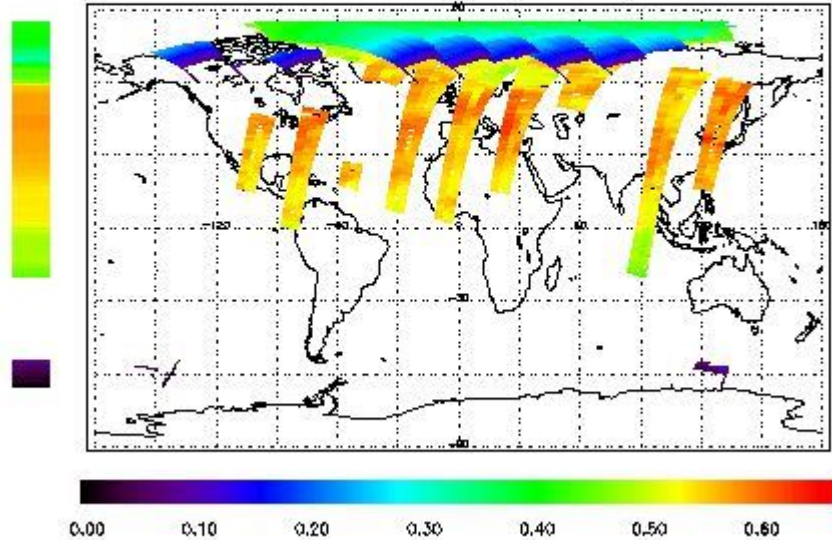
First Product : 01-JUN-2010 00:11:10.244 : ORBIT : 79014.0123

Last Product : 01-JUN-2010 23:52:39.919 : ORBIT : 79028.1411

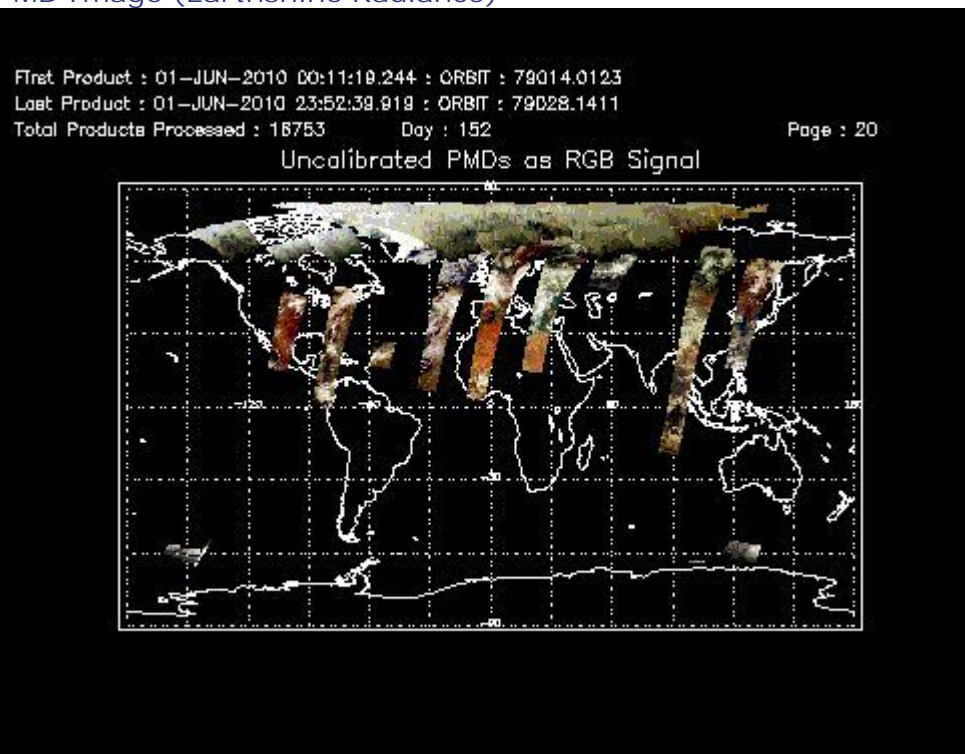
Total Products Processed : 18753 Day : 152

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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	18:52:53	--	79025	Yes	--	14427

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
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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