

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	09-JUL-2010
Start Time of First Product	00:17:25
Stop Time of Last Product	23:13:57
Number of EGOI Products analysed	39
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100709HLEP5856.E2	09-JUL-2010	01:11:25.936
EGOI_100709HLEP5862.E2	09-JUL-2010	11:42:10.280
EGOI_100709HLEP5872.E2	09-JUL-2010	13:24:21.402
EGOI_100709HLEP5881.E2	09-JUL-2010	23:00:51.920
EGOI_100709KSEP9619.E2	09-JUL-2010	07:23:47.703
EGOI_100709KSEP9637.E2	09-JUL-2010	09:03:48.314
EGOI_100709KSEP9659.E2	09-JUL-2010	10:43:27.921
EGOI_100709KSEP9684.E2	09-JUL-2010	12:22:49.526
EGOI_100709KSEP9710.E2	09-JUL-2010	14:01:47.129

EGOI_100709KSEP9736.E2	09-JUL-2010	15:39:43.229
EGOI_100709KSEP9765.E2	09-JUL-2010	17:17:37.823
EGOI_100709KSEP9797.E2	09-JUL-2010	18:55:29.422
EGOI_100709KSEP9821.E2	09-JUL-2010	20:34:52.532
EGOI_100709KSEP9849.E2	09-JUL-2010	22:16:38.151
EGOI_100709MAEP4269.E2	09-JUL-2010	09:11:12.361
EGOI_100709MAEP4283.E2	09-JUL-2010	10:51:03.964
EGOI_100709MAEP4301.E2	09-JUL-2010	20:28:41.989
EGOI_100709MIEP5780.E2	09-JUL-2010	02:01:30.740
EGOI_100709MIEP5801.E2	09-JUL-2010	03:38:38.830
EGOI_100709MIEP5816.E2	09-JUL-2010	05:22:52.967
EGOI_100709MIEP5832.E2	09-JUL-2010	14:22:20.254
EGOI_100709MIEP5841.E2	09-JUL-2010	15:57:52.342
EGOI_100709MMEP1013.E2	09-JUL-2010	01:22:21.502
EGOI_100709MMEP1020.E2	09-JUL-2010	03:04:52.131
EGOI_100709MMEP1030.E2	09-JUL-2010	09:51:26.104
EGOI_100709MMEP1038.E2	09-JUL-2010	11:31:25.218
EGOI_100709MMEP1046.E2	09-JUL-2010	13:11:27.323
EGOI_100709MMEP1053.E2	09-JUL-2010	14:51:02.432
EGOI_100709MMEP1061.E2	09-JUL-2010	16:30:37.538
EGOI_100709MMEP1069.E2	09-JUL-2010	18:10:50.147
EGOI_100709MMEP1075.E2	09-JUL-2010	19:49:17.747
EGOI_100709MSEP1701.E2	09-JUL-2010	00:17:25.606
EGOI_100709MSEP1728.E2	09-JUL-2010	10:56:47.499
EGOI_100709MSEP1756.E2	09-JUL-2010	12:36:15.105
EGOI_100709MSEP1787.E2	09-JUL-2010	22:06:32.088
EGOI_100709SGEP6925.E2	09-JUL-2010	02:40:57.979
EGOI_100709SGEP6932.E2	09-JUL-2010	04:20:03.080
EGOI_100709SGEP6939.E2	09-JUL-2010	15:15:07.084
EGOI_100709SGEP6946.E2	09-JUL-2010	16:57:34.702

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	79562	09-JUL-2010	07:22:36.881	07:23:47.703	70.822000
KS	79563	09-JUL-2010	09:02:08.793	09:03:48.313	99.520000
KS	79564	09-JUL-2010	10:41:45.616	10:43:27.921	102.30500
KS	79565	09-JUL-2010	12:21:08.468	12:22:49.525	101.05700
KS	79566	09-JUL-2010	14:00:02.227	14:01:47.129	104.90200
KS	79567	09-JUL-2010	15:38:03.115	15:39:43.228	100.11300
KS	79568	09-JUL-2010	17:15:52.304	17:17:37.823	105.51900
KS	79569	09-JUL-2010	18:54:01.405	18:55:29.421	88.016000

KS	79570	09-JUL-2010	20:33:42.477	20:34:52.532	70.055000
KS	79571	09-JUL-2010	22:15:27.382	22:16:38.150	70.768000
MS	79558	09-JUL-2010	00:15:58.651	00:17:25.606	86.955000
MS	79564	09-JUL-2010	10:55:03.360	10:56:47.498	104.13800
MS	79565	09-JUL-2010	12:34:29.074	12:36:15.104	106.03000
MS	79571	09-JUL-2010	22:05:19.135	22:06:32.087	72.952000
MS	79572	09-JUL-2010	23:43:39.330	23:45:05.687	86.357000
MA	79564	09-JUL-2010	10:49:55.177	10:51:03.963	68.786000
MA	79570	09-JUL-2010	20:25:59.227	20:28:41.989	162.76200
MI	79559	09-JUL-2010	02:00:06.475	02:01:30.740	84.265000
MI	79560	09-JUL-2010	03:36:07.042	03:38:38.830	151.78800
MI	79566	09-JUL-2010	14:21:14.638	14:22:20.254	65.616000
MI	79567	09-JUL-2010	15:56:15.541	15:57:52.341	96.800000
MM	79565	09-JUL-2010	13:18:42.364	13:23:26.238	283.87400
MM	79567	09-JUL-2010	16:41:10.599	16:42:15.012	64.413000
MM	79568	09-JUL-2010	18:08:51.113	18:10:50.147	119.03400
MM	79569	09-JUL-2010	19:48:03.791	19:49:17.746	73.955000
SG	79559	09-JUL-2010	02:39:33.719	02:40:57.979	84.260000
SG	79560	09-JUL-2010	04:18:44.346	04:20:03.080	78.734000
SG	79566	09-JUL-2010	15:13:31.605	15:15:07.084	95.479000
SG	79567	09-JUL-2010	16:55:47.669	16:57:34.702	107.03300

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	79558	09-JUL-2010	01:09:53.596	01:22:58.577	784.98100
BE	79559	09-JUL-2010	02:27:47.390	02:40:45.646	778.25600
GS	79559	09-JUL-2010	02:02:10.723	02:15:20.026	789.30300
CM	79559	09-JUL-2010	03:35:26.862	03:47:17.371	710.50900
BE	79560	09-JUL-2010	04:07:29.940	04:19:17.897	707.95700
MM	79560	09-JUL-2010	04:47:38.913	04:53:33.725	354.81200
GS	79560	09-JUL-2010	03:41:32.709	03:54:43.763	791.05400
MM	79561	09-JUL-2010	06:29:36.890	06:36:03.219	386.32900
CM	79561	09-JUL-2010	05:16:24.641	05:24:57.970	513.32900
MM	79562	09-JUL-2010	08:10:26.930	08:19:08.230	521.30000
JO	79562	09-JUL-2010	07:47:32.307	08:02:11.957	879.65000

JO	79563	09-JUL-2010	09:28:12.124	09:40:27.175	735.05100
HO	79566	09-JUL-2010	15:00:05.206	15:09:12.159	546.95300
GS	79566	09-JUL-2010	14:12:25.205	14:21:48.931	563.72600
SG	79566	09-JUL-2010	15:13:31.605	15:27:18.842	827.23700
BE	79567	09-JUL-2010	15:25:19.500	15:36:09.119	649.61900
GS	79567	09-JUL-2010	15:50:22.744	16:04:18.105	835.36100
CM	79567	09-JUL-2010	15:59:18.441	16:11:14.284	715.84300
MI	79568	09-JUL-2010	17:38:02.795	17:45:06.792	423.99700
GS	79568	09-JUL-2010	17:30:27.136	17:41:48.042	680.90600
CM	79568	09-JUL-2010	17:39:57.495	17:48:29.082	511.58700
MA	79569	09-JUL-2010	18:53:07.927	18:57:26.265	258.33800
JO	79569	09-JUL-2010	20:07:39.148	20:21:58.385	859.23700
MM	79570	09-JUL-2010	21:27:43.163	21:40:23.554	760.39100
JO	79570	09-JUL-2010	21:47:17.715	22:00:30.488	792.77300
HO	79571	09-JUL-2010	22:59:14.271	23:12:37.772	803.50100
MM	79571	09-JUL-2010	23:08:11.003	23:20:16.492	725.48900
MA	79571	09-JUL-2010	22:08:21.727	22:18:10.476	588.74900

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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

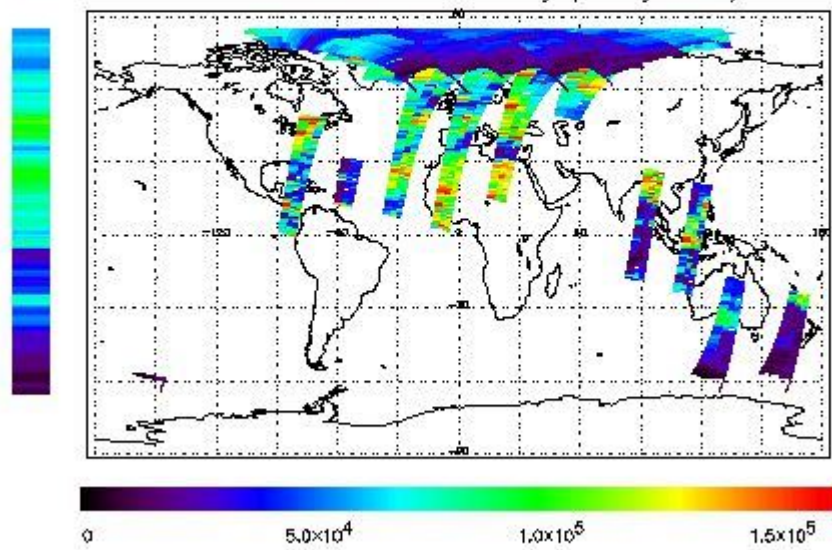
2.2 - Daily Plots

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

First Product : 09-JUL-2010 00:17:25.606 : ORBIT : 79558.0158
 Last Product : 09-JUL-2010 23:13:57.994 : ORBIT : 79571.6993
 Total Products Processed : 18261 Day : 190 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

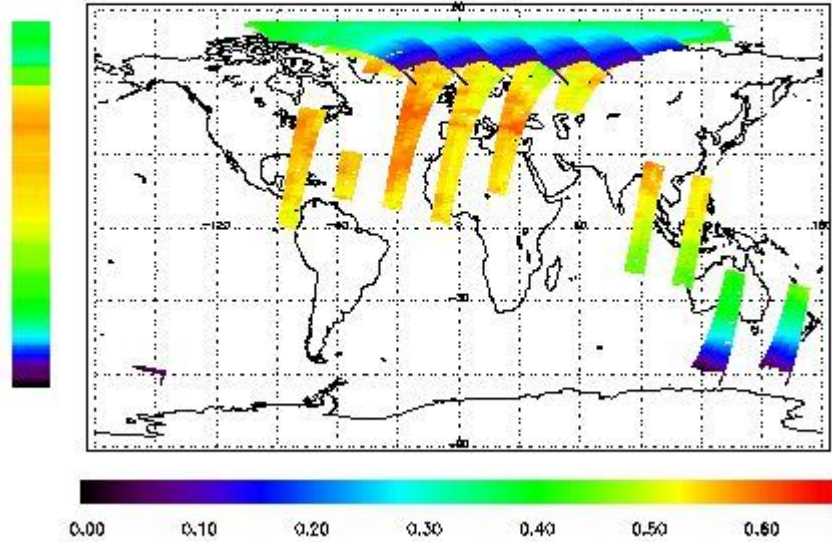


Ozone Line Ratio

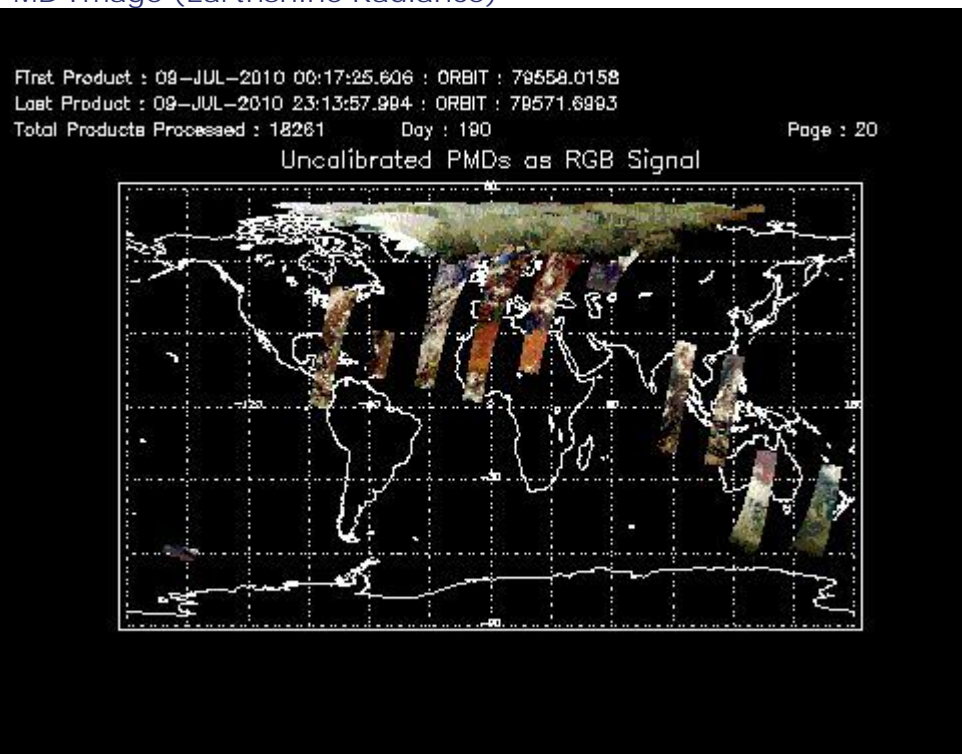
First Product : 09-JUL-2010 00:17:25.606 : ORBIT : 79559.0158
 Last Product : 09-JUL-2010 23:13:57.994 : ORBIT : 79571.6993
 Total Products Processed : 18281 Day : 190

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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)
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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