

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	07-JUL-2010
Start Time of First Product	23:54:48 (06-Jul)
Stop Time of Last Product	23:31:54
Number of EGOI Products analysed	37
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100707GSEP0159.E2	07-JUL-2010	01:27:59.505
EGOI_100707HLEP5788.E2	07-JUL-2010	00:33:38.171
EGOI_100707HLEP5797.E2	07-JUL-2010	02:20:29.821
EGOI_100707HLEP5803.E2	07-JUL-2010	11:06:42.025
EGOI_100707KSEP9126.E2	06-JUL-2010	23:54:48.437
EGOI_100707KSEP9139.E2	07-JUL-2010	06:46:49.442
EGOI_100707KSEP9158.E2	07-JUL-2010	08:26:47.048
EGOI_100707KSEP9176.E2	07-JUL-2010	10:06:28.153
EGOI_100707KSEP9197.E2	07-JUL-2010	11:46:01.764

EGOI_100707KSEP9215.E2	07-JUL-2010	13:25:00.871
EGOI_100707KSEP9224.E2	07-JUL-2010	15:03:41.965
EGOI_100707KSEP9251.E2	07-JUL-2010	16:41:14.063
EGOI_100707KSEP9281.E2	07-JUL-2010	18:19:16.159
EGOI_100707KSEP9312.E2	07-JUL-2010	19:57:49.756
EGOI_100707KSEP9333.E2	07-JUL-2010	21:38:38.372
EGOI_100707KSEP9357.E2	07-JUL-2010	23:21:44.998
EGOI_100707MAEP4192.E2	07-JUL-2010	08:34:44.095
EGOI_100707MAEP4207.E2	07-JUL-2010	10:13:52.201
EGOI_100707MAEP4224.E2	07-JUL-2010	21:30:59.325
EGOI_100707MIEP5602.E2	07-JUL-2010	03:01:03.067
EGOI_100707MIEP5628.E2	07-JUL-2010	04:41:47.181
EGOI_100707MIEP5648.E2	07-JUL-2010	15:21:16.578
EGOI_100707MIEP5670.E2	07-JUL-2010	17:00:56.181
EGOI_100707MMEP0901.E2	07-JUL-2010	00:44:27.739
EGOI_100707MMEP0907.E2	07-JUL-2010	02:26:43.364
EGOI_100707MMEP0917.E2	07-JUL-2010	10:54:26.948
EGOI_100707MMEP0928.E2	07-JUL-2010	19:12:38.983
EGOI_100707MMEP0936.E2	07-JUL-2010	20:51:41.086
EGOI_100707MMEP0943.E2	07-JUL-2010	22:31:49.197
EGOI_100707MSEP1488.E2	07-JUL-2010	10:21:14.749
EGOI_100707MSEP1517.E2	07-JUL-2010	11:58:54.343
EGOI_100707MSEP1529.E2	07-JUL-2010	13:41:27.965
EGOI_100707MSEP1545.E2	07-JUL-2010	21:32:06.833
EGOI_100707MSEP1576.E2	07-JUL-2010	23:07:49.416
EGOI_100707SGEP6874.E2	07-JUL-2010	02:06:02.731
EGOI_100707SGEP6880.E2	07-JUL-2010	03:42:37.825
EGOI_100707SGEP6886.E2	07-JUL-2010	14:40:31.328
EGOI_100707SGEP6892.E2	07-JUL-2010	16:18:27.423

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	79533	07-JUL-2010	06:45:47.763	06:46:49.441	61.678000
KS	79534	07-JUL-2010	08:25:08.749	08:26:47.047	98.298000
KS	79535	07-JUL-2010	10:04:46.383	10:06:28.152	101.76900
KS	79536	07-JUL-2010	11:44:16.443	11:46:01.763	105.32000
KS	79537	07-JUL-2010	13:23:21.044	13:25:00.870	99.826000
KS	79538	07-JUL-2010	15:01:53.275	15:03:41.965	108.69000
KS	79539	07-JUL-2010	16:39:29.827	16:41:14.063	104.23600
KS	79540	07-JUL-2010	18:17:23.792	18:19:16.159	112.36700
KS	79541	07-JUL-2010	19:56:28.503	19:57:49.755	81.252000

KS	79542	07-JUL-2010	21:37:22.779	21:38:38.371	75.592000
GS	79530	07-JUL-2010	01:26:24.287	01:27:59.505	95.218000
MS	79535	07-JUL-2010	10:19:26.528	10:21:14.749	108.22100
MS	79536	07-JUL-2010	11:57:09.629	11:58:54.343	104.71400
MS	79543	07-JUL-2010	23:06:23.807	23:07:49.416	85.609000
MA	79535	07-JUL-2010	10:12:51.138	10:13:52.201	61.063000
MA	79542	07-JUL-2010	21:28:58.311	21:30:59.324	121.01300
MI	79531	07-JUL-2010	02:59:31.186	03:01:03.067	91.881000
MI	79532	07-JUL-2010	04:40:18.294	04:41:47.181	88.887000
MI	79538	07-JUL-2010	15:19:45.351	15:21:16.577	91.226000
MI	79538	07-JUL-2010	15:29:33.123	15:32:16.115	162.99200
MI	79539	07-JUL-2010	16:59:25.609	17:00:56.180	90.571000
MM	79540	07-JUL-2010	19:11:10.970	19:12:38.982	88.012000
MM	79541	07-JUL-2010	20:50:37.634	20:51:41.085	63.451000
SG	79530	07-JUL-2010	02:08:58.250	02:12:46.617	228.36700
SG	79531	07-JUL-2010	03:41:07.600	03:42:37.825	90.225000
SG	79531	07-JUL-2010	03:48:09.355	03:54:53.508	404.15300
SG	79537	07-JUL-2010	14:37:30.286	14:40:31.327	181.04100
SG	79537	07-JUL-2010	14:47:49.374	14:49:44.276	114.90200
SG	79538	07-JUL-2010	16:16:37.877	16:18:27.423	109.54600
SG	79538	07-JUL-2010	16:26:09.468	16:28:49.140	159.67200

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	79529	07-JUL-2010	00:32:01.442	00:46:32.323	870.88100
BE	79530	07-JUL-2010	01:51:29.317	02:02:42.857	673.54000
BE	79531	07-JUL-2010	03:30:11.455	03:43:18.206	786.75100
MM	79531	07-JUL-2010	04:09:26.266	04:15:51.181	384.91500
GS	79531	07-JUL-2010	03:04:06.644	03:18:00.538	833.89400
CM	79531	07-JUL-2010	03:00:07.114	03:09:18.139	551.02500
MM	79532	07-JUL-2010	05:51:54.732	05:57:50.269	355.53700
GS	79532	07-JUL-2010	04:46:55.600	04:55:46.618	531.01800
CM	79532	07-JUL-2010	06:18:27.339	06:30:09.920	702.58100
MM	79533	07-JUL-2010	07:33:04.716	07:40:52.397	467.68100
JO	79533	07-JUL-2010	07:11:43.854	07:24:42.470	778.61600

MM	79534	07-JUL-2010	09:13:33.451	09:23:39.804	606.35300
JO	79534	07-JUL-2010	08:50:02.297	09:04:29.542	867.24500
HO	79535	07-JUL-2010	11:05:10.971	11:13:57.526	526.55500
HO	79536	07-JUL-2010	12:42:26.072	12:57:09.794	883.72200
MM	79536	07-JUL-2010	12:33:41.025	12:46:15.333	754.30800
MA	79536	07-JUL-2010	11:55:05.037	11:59:33.746	268.70900
HO	79537	07-JUL-2010	14:22:22.824	14:34:55.517	752.69300
MM	79537	07-JUL-2010	14:13:23.644	14:26:07.268	763.62400
SG	79537	07-JUL-2010	14:37:30.286	14:49:44.276	733.99000
BE	79538	07-JUL-2010	14:47:07.890	14:59:56.525	768.63500
MM	79538	07-JUL-2010	15:52:50.072	16:05:25.671	755.59900
GS	79538	07-JUL-2010	15:13:37.426	15:26:57.036	799.61000
CM	79538	07-JUL-2010	15:23:40.967	15:32:56.106	555.13900
MM	79539	07-JUL-2010	17:32:02.112	17:44:33.838	751.72600
GS	79539	07-JUL-2010	16:53:05.870	17:06:06.503	780.63300
CM	79539	07-JUL-2010	17:01:46.929	17:13:23.498	696.56900
JO	79540	07-JUL-2010	19:31:47.023	19:43:41.443	714.42000
MA	79541	07-JUL-2010	19:49:48.548	20:02:37.441	768.89300
JO	79541	07-JUL-2010	21:09:51.557	21:24:36.546	884.98900
HO	79542	07-JUL-2010	22:23:26.253	22:35:22.557	716.30400
MM	79542	07-JUL-2010	22:30:45.321	22:43:08.912	743.59100

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1.5 - List of corrupted products

Station	Orbit	Time
MM	79540	19:20:39.033

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

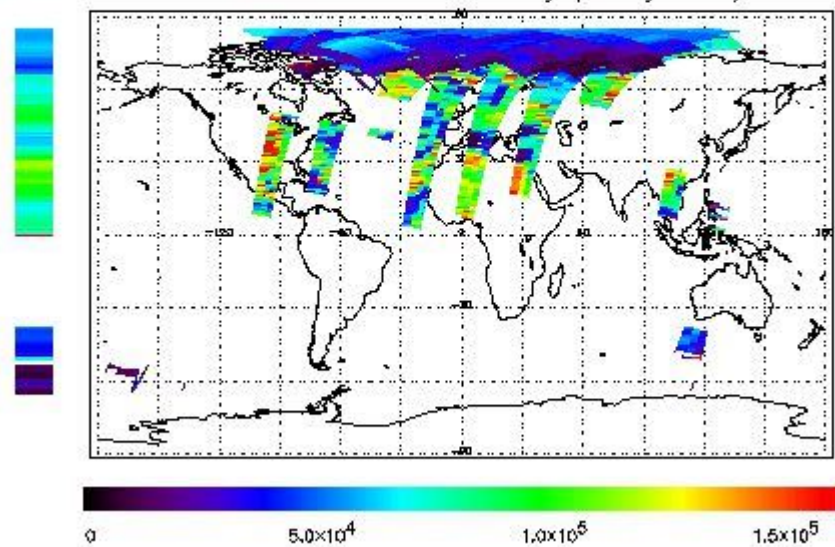
2.2 - Daily Plots

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 : 06-JUL-2010 23:54:48.437 : ORBIT : 79529.1624
 Last Product : 07-JUL-2010 23:31:54.064 : ORBIT : 79543.2490
 Total Products Processed : 15839 Day : 188 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

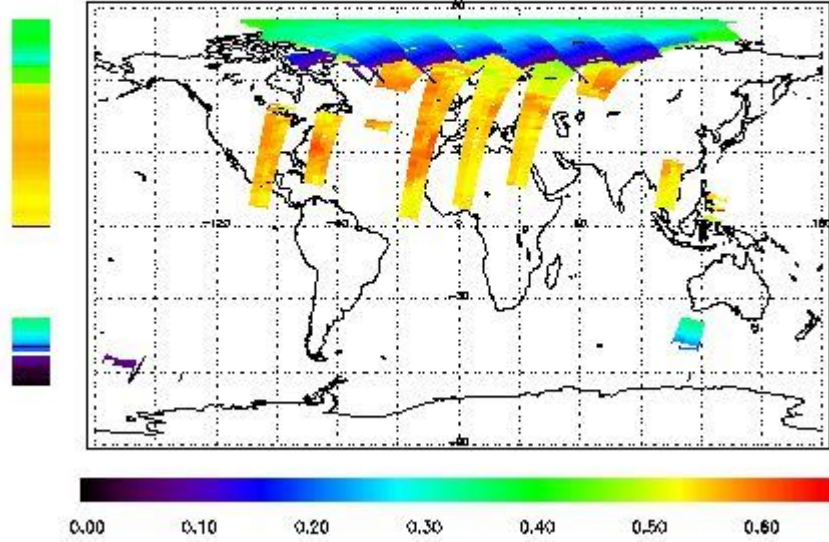


Ozone Line Ratio

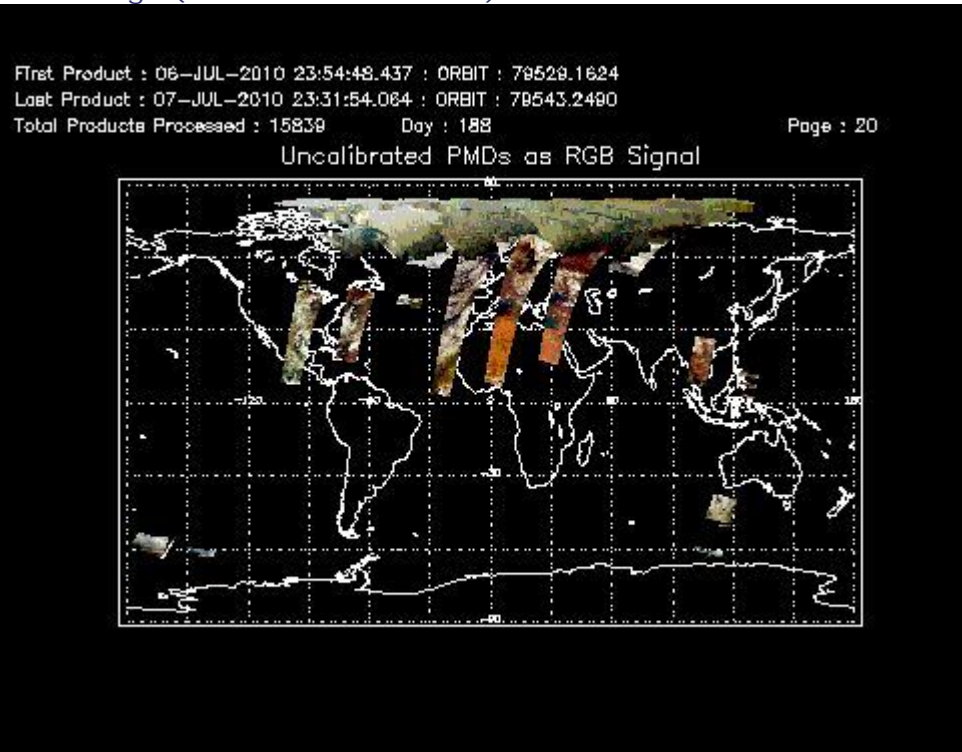
First Product : 06-JUL-2010 23:54:48.437 : ORBIT : 79529.1624
 Last Product : 07-JUL-2010 23:31:54.064 : ORBIT : 79543.2490
 Total Products Processed : 15839 Day : 188

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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	20:01:46.799	--	79541	Yes	--	14586

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
--	--	--	--	--	--

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