

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	07-JAN-2010
Start Time of First Product	00:33:34
Stop Time of Last Product	23:21:15
Number of EGOI Products analysed	41
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100107BEEP1578.E2	07-JAN-2010	03:21:10.692
EGOI_100107CMEP6093.E2	07-JAN-2010	02:50:37.504
EGOI_100107CMEP6101.E2	07-JAN-2010	04:30:12.618
EGOI_100107CMEP6111.E2	07-JAN-2010	15:14:12.102
EGOI_100107CMEP6120.E2	07-JAN-2010	16:51:36.705
EGOI_100107GSEP6766.E2	07-JAN-2010	01:17:18.932
EGOI_100107GSEP6798.E2	07-JAN-2010	02:54:27.035
EGOI_100107GSEP6825.E2	07-JAN-2010	04:36:45.662
EGOI_100107GSEP6832.E2	07-JAN-2010	06:18:32.793

EGOI_100107KSEP3978.E2	07-JAN-2010	06:36:10.394
EGOI_100107KSEP4008.E2	07-JAN-2010	08:16:06.518
EGOI_100107KSEP4032.E2	07-JAN-2010	09:55:44.633
EGOI_100107KSEP4057.E2	07-JAN-2010	11:35:21.250
EGOI_100107KSEP4078.E2	07-JAN-2010	13:14:24.861
EGOI_100107KSEP4090.E2	07-JAN-2010	14:53:08.978
EGOI_100107KSEP4110.E2	07-JAN-2010	16:30:48.575
EGOI_100107KSEP4141.E2	07-JAN-2010	18:08:47.683
EGOI_100107KSEP4176.E2	07-JAN-2010	19:47:04.792
EGOI_100107KSEP4202.E2	07-JAN-2010	21:27:36.911
EGOI_100107KSEP4229.E2	07-JAN-2010	23:10:30.051
EGOI_100107MAEP7635.E2	07-JAN-2010	10:03:13.176
EGOI_100107MAEP7652.E2	07-JAN-2010	21:19:54.864
EGOI_100107MIEP9709.E2	07-JAN-2010	02:50:39.008
EGOI_100107MIEP9737.E2	07-JAN-2010	04:30:30.622
EGOI_100107MIEP9766.E2	07-JAN-2010	15:10:51.080
EGOI_100107MIEP9795.E2	07-JAN-2010	16:50:05.197
EGOI_100107MMEP2777.E2	07-JAN-2010	00:33:33.662
EGOI_100107MMEP2783.E2	07-JAN-2010	02:15:44.788
EGOI_100107MMEP2792.E2	07-JAN-2010	07:22:22.680
EGOI_100107MMEP2800.E2	07-JAN-2010	09:03:18.808
EGOI_100107MMEP2808.E2	07-JAN-2010	10:43:43.433
EGOI_100107MMEP2816.E2	07-JAN-2010	12:23:41.051
EGOI_100107MMEP2824.E2	07-JAN-2010	15:42:55.782
EGOI_100107MMEP2831.E2	07-JAN-2010	17:23:03.896
EGOI_100107MSEP0487.E2	07-JAN-2010	10:11:02.731
EGOI_100107MSEP0517.E2	07-JAN-2010	11:48:16.833
EGOI_100107MSEP0539.E2	07-JAN-2010	13:29:54.957
EGOI_100107MSEP0554.E2	07-JAN-2010	21:22:11.376
EGOI_100107MSEP0586.E2	07-JAN-2010	22:57:02.969
EGOI_100107SGEP2748.E2	07-JAN-2010	01:57:43.179
EGOI_100107SGEP2755.E2	07-JAN-2010	03:32:39.262

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	76942	07-JAN-2010	06:34:30.565	06:36:10.393	99.828000
KS	76943	07-JAN-2010	08:13:45.940	08:16:06.518	140.57800
KS	76944	07-JAN-2010	09:53:23.290	09:55:44.632	141.34200
KS	76945	07-JAN-2010	11:32:55.073	11:35:21.249	146.17600
KS	76946	07-JAN-2010	13:12:03.586	13:14:24.861	141.27500
KS	76947	07-JAN-2010	14:50:43.084	14:53:08.978	145.89400
KS	76948	07-JAN-2010	16:28:22.198	16:30:48.574	146.37600

KS	76949	07-JAN-2010	18:06:09.646	18:08:47.682	158.03600
KS	76950	07-JAN-2010	19:45:04.252	19:47:04.792	120.54000
KS	76951	07-JAN-2010	21:25:44.115	21:27:36.911	112.79600
KS	76952	07-JAN-2010	23:08:51.586	23:10:30.050	98.464000
GS	76939	07-JAN-2010	01:15:32.132	01:17:18.932	106.80000
GS	76940	07-JAN-2010	02:52:43.377	02:54:27.035	103.65800
GS	76941	07-JAN-2010	04:34:45.470	04:36:45.662	120.19200
MS	76944	07-JAN-2010	10:08:38.763	10:11:02.731	143.96800
MS	76945	07-JAN-2010	11:45:49.136	11:48:16.832	147.69600
MS	76946	07-JAN-2010	13:27:40.106	13:29:54.956	134.85000
MS	76952	07-JAN-2010	22:55:06.205	22:57:02.969	116.76400
MA	76944	07-JAN-2010	10:01:25.952	10:03:13.176	107.22400
MA	76951	07-JAN-2010	21:17:25.249	21:19:54.863	149.61400
MI	76940	07-JAN-2010	02:48:26.576	02:50:39.008	132.43200
MI	76941	07-JAN-2010	04:28:21.464	04:30:30.621	129.15700
MI	76947	07-JAN-2010	15:08:40.689	15:10:51.079	130.39000
MI	76948	07-JAN-2010	16:47:48.007	16:50:05.197	137.19000
MM	76938	07-JAN-2010	00:32:12.607	00:33:33.662	81.055000
MM	76939	07-JAN-2010	02:14:35.580	02:15:44.788	69.208000
MM	76943	07-JAN-2010	09:02:05.575	09:03:18.807	73.232000
MM	76944	07-JAN-2010	10:42:17.745	10:43:43.433	85.688000
MM	76945	07-JAN-2010	12:22:16.341	12:23:41.051	84.710000
MM	76947	07-JAN-2010	15:41:29.020	15:42:55.782	86.762000
MM	76948	07-JAN-2010	17:20:42.347	17:23:03.895	141.54800
BE	76940	07-JAN-2010	03:18:46.592	03:21:10.692	144.10000
SG	76940	07-JAN-2010	03:29:44.374	03:32:39.262	174.88800
CM	76947	07-JAN-2010	15:13:06.925	15:14:12.101	65.176000
CM	76948	07-JAN-2010	16:50:15.381	16:51:36.705	81.324000
CM	76948	07-JAN-2010	16:57:02.236	17:02:18.645	316.40900

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	76938	07-JAN-2010	00:20:34.115	00:35:12.185	878.07000
HO	76939	07-JAN-2010	02:04:47.917	02:12:07.011	439.09400
MM	76940	07-JAN-2010	03:57:39.546	04:04:17.112	397.56600

MM	76941	07-JAN-2010	05:40:16.327	05:46:06.539	350.21200
JO	76942	07-JAN-2010	07:00:55.357	07:13:02.432	727.07500
MA	76943	07-JAN-2010	08:22:51.461	08:34:14.389	682.92800
JO	76943	07-JAN-2010	08:38:30.065	08:53:16.635	886.57000
MA	76945	07-JAN-2010	11:42:55.031	11:49:28.172	393.14100
BE	76946	07-JAN-2010	12:57:21.425	13:08:49.661	688.23600
MM	76946	07-JAN-2010	14:02:00.711	14:14:44.607	763.89600
SG	76946	07-JAN-2010	14:26:40.286	14:37:56.736	676.45000
BE	76947	07-JAN-2010	14:35:34.170	14:48:41.333	787.16300
GS	76947	07-JAN-2010	15:02:22.589	15:15:18.993	776.40400
SG	76947	07-JAN-2010	16:04:56.854	16:17:51.170	774.31600
GS	76948	07-JAN-2010	16:41:39.060	16:54:59.868	800.80800
MM	76949	07-JAN-2010	18:59:50.655	19:12:28.355	757.70000
GS	76949	07-JAN-2010	18:22:50.797	18:29:51.194	420.39700
JO	76949	07-JAN-2010	19:20:59.701	19:31:36.532	636.83100
MM	76950	07-JAN-2010	20:39:14.058	20:51:58.044	763.98600
MA	76950	07-JAN-2010	19:38:48.827	19:50:55.073	726.24600
JO	76950	07-JAN-2010	20:58:26.592	21:13:23.464	896.87200
HO	76951	07-JAN-2010	22:12:38.582	22:23:50.148	671.56600
MM	76951	07-JAN-2010	22:19:16.021	22:31:43.884	747.86300
JO	76951	07-JAN-2010	22:40:35.775	22:48:04.250	448.47500
HO	76952	07-JAN-2010	23:49:30.004	00:03:57.669	867.66500

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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

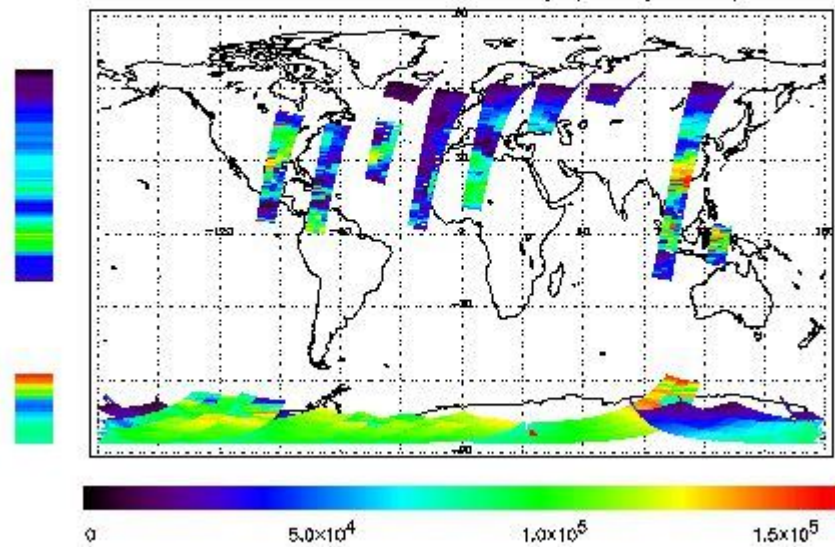
2.2 - Daily Plots

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 : 07-JAN-2010 00:33:33.662 : ORBIT : 76938.6619
 Last Product : 07-JAN-2010 23:21:15.113 : ORBIT : 76952.2574
 Total Products Processed : 19038 Day : 7 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

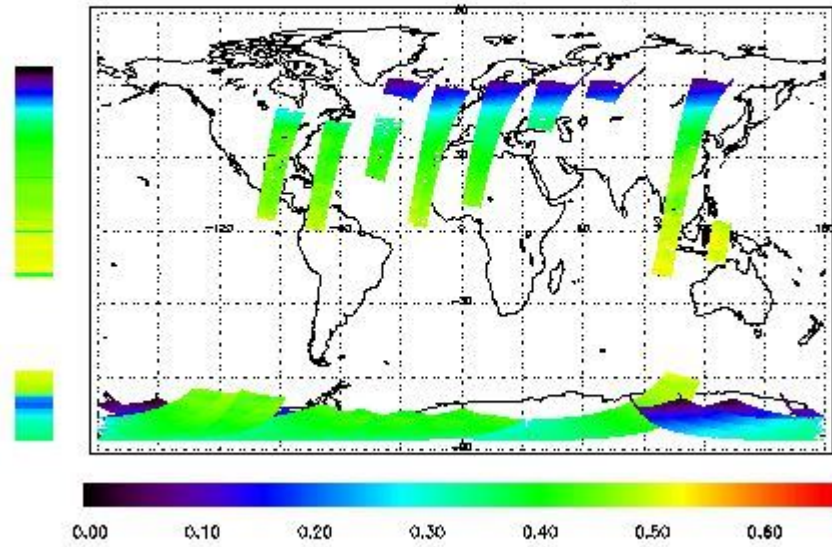


Ozone Line Ratio

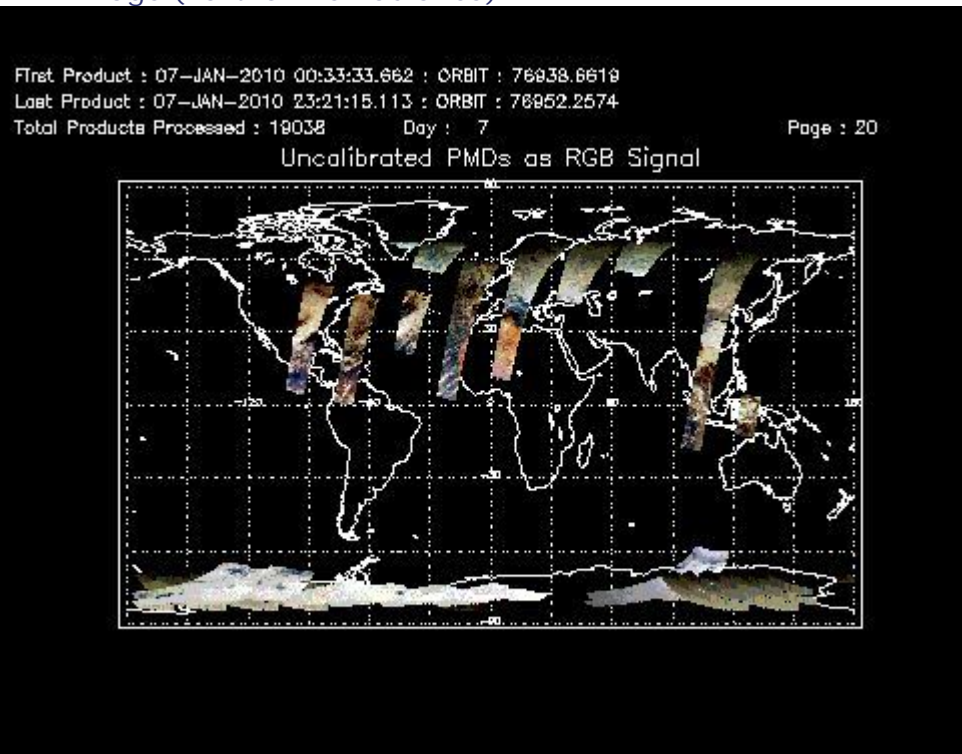
First Product : 07-JAN-2010 00:33:33.662 : ORBIT : 76938.6619
 Last Product : 07-JAN-2010 23:21:15.113 : ORBIT : 76952.2574
 Total Products Processed : 19038 Day : 7

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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	11:41:25.785	--	76945	Yes	--	15803

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
--	--	--

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
--	--	--	--	--

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