

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	07-OCT-2010
Start Time of First Product	23:48:38 (06-Oct)
Stop Time of Last Product	23:41:05
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_101007GSEP6604.E2	07-OCT-2010	01:36:26.647
EGOI_101007GSEP6632.E2	07-OCT-2010	03:14:21.246
EGOI_101007GSEP6640.E2	07-OCT-2010	04:57:21.877
EGOI_101007HLEP7981.E2	07-OCT-2010	12:53:06.794
EGOI_101007HLEP7990.E2	07-OCT-2010	14:33:10.405
EGOI_101007KSEP0314.E2	07-OCT-2010	00:05:09.586
EGOI_101007KSEP0336.E2	07-OCT-2010	06:56:00.105
EGOI_101007KSEP0355.E2	07-OCT-2010	08:35:57.712
EGOI_101007KSEP0375.E2	07-OCT-2010	10:15:38.823

EGOI_101007KSEP0396.E2	07-OCT-2010	11:55:10.933
EGOI_101007KSEP0412.E2	07-OCT-2010	13:34:07.041
EGOI_101007KSEP0437.E2	07-OCT-2010	15:12:48.152
EGOI_101007KSEP0466.E2	07-OCT-2010	16:50:17.243
EGOI_101007KSEP0497.E2	07-OCT-2010	18:28:10.343
EGOI_101007KSEP0527.E2	07-OCT-2010	20:06:54.453
EGOI_101007KSEP0554.E2	07-OCT-2010	21:47:59.569
EGOI_101007KSEP0579.E2	07-OCT-2010	23:31:22.708
EGOI_101007MAEP7967.E2	07-OCT-2010	08:44:08.267
EGOI_101007MAEP7981.E2	07-OCT-2010	10:23:05.874
EGOI_101007MAEP8002.E2	07-OCT-2010	20:00:31.910
EGOI_101007MAEP8020.E2	07-OCT-2010	21:39:55.025
EGOI_101007MIEP2684.E2	07-OCT-2010	03:10:04.718
EGOI_101007MIEP2699.E2	07-OCT-2010	04:51:27.837
EGOI_101007MIEP2717.E2	07-OCT-2010	15:30:18.254
EGOI_101007MIEP2742.E2	07-OCT-2010	17:10:21.865
EGOI_101007MMEP6237.E2	07-OCT-2010	00:53:53.384
EGOI_101007MMEP6243.E2	07-OCT-2010	02:36:12.011
EGOI_101007MMEP6253.E2	07-OCT-2010	11:03:42.120
EGOI_101007MMEP6261.E2	07-OCT-2010	12:43:36.732
EGOI_101007MMEP6269.E2	07-OCT-2010	14:23:37.347
EGOI_101007MMEP6275.E2	07-OCT-2010	16:02:42.453
EGOI_101007MMEP6285.E2	07-OCT-2010	22:40:59.894
EGOI_101007MSEP2094.E2	06-OCT-2010	23:48:37.985
EGOI_101007MSEP2119.E2	07-OCT-2010	10:30:04.416
EGOI_101007MSEP2148.E2	07-OCT-2010	12:08:03.512
EGOI_101007MSEP2164.E2	07-OCT-2010	21:40:49.030
EGOI_101007MSEP2192.E2	07-OCT-2010	23:17:07.617
EGOI_101007SGEP8495.E2	07-OCT-2010	02:14:34.378
EGOI_101007SGEP8501.E2	07-OCT-2010	03:51:43.977
EGOI_101007SGEP8509.E2	07-OCT-2010	14:50:09.007
EGOI_101007SGEP8514.E2	07-OCT-2010	16:28:00.614

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	80846	07-OCT-2010	00:03:26.997	00:05:09.585	102.58800
KS	80850	07-OCT-2010	06:54:16.630	06:56:00.104	103.47400
KS	80851	07-OCT-2010	08:33:40.965	08:35:57.712	136.74700
KS	80852	07-OCT-2010	10:13:18.639	10:15:38.822	140.18300
KS	80853	07-OCT-2010	11:52:47.255	11:55:10.932	143.67700
KS	80854	07-OCT-2010	13:31:48.752	13:34:07.040	138.28800
KS	80855	07-OCT-2010	15:10:13.451	15:12:48.151	154.70000

KS	80856	07-OCT-2010	16:47:50.071	16:50:17.242	147.17100
KS	80857	07-OCT-2010	18:25:49.995	18:28:10.343	140.34800
KS	80858	07-OCT-2010	20:05:02.628	20:06:54.453	111.82500
KS	80859	07-OCT-2010	21:46:08.056	21:47:59.568	111.51200
KS	80860	07-OCT-2010	23:29:53.915	23:31:22.707	88.792000
GS	80847	07-OCT-2010	01:34:36.103	01:36:26.647	110.54400
GS	80848	07-OCT-2010	03:12:41.414	03:14:21.245	99.831000
MS	80846	06-OCT-2010	23:46:33.576	23:48:37.984	124.40800
MS	80852	07-OCT-2010	10:27:38.212	10:30:04.415	146.20300
MS	80853	07-OCT-2010	12:05:46.931	12:08:03.512	136.58100
MS	80860	07-OCT-2010	23:14:55.091	23:17:07.617	132.52600
MA	80851	07-OCT-2010	08:42:36.014	08:44:08.266	92.252000
MA	80852	07-OCT-2010	10:21:21.999	10:23:05.873	103.87400
MA	80858	07-OCT-2010	19:58:05.953	20:00:31.909	145.95600
MA	80859	07-OCT-2010	21:37:41.034	21:39:55.024	133.99000
MI	80848	07-OCT-2010	03:07:53.181	03:10:04.717	131.53600
MI	80849	07-OCT-2010	04:49:23.756	04:51:27.837	124.08100
MI	80855	07-OCT-2010	15:28:07.078	15:30:18.253	131.17500
MI	80856	07-OCT-2010	17:08:12.217	17:10:21.864	129.64700
MM	80846	07-OCT-2010	00:52:36.327	00:53:53.383	77.056000
MM	80847	07-OCT-2010	02:35:10.545	02:36:12.010	61.465000
MM	80852	07-OCT-2010	11:02:18.532	11:03:42.119	83.587000
MM	80853	07-OCT-2010	12:42:14.413	12:43:36.731	82.318000
MM	80854	07-OCT-2010	14:21:55.704	14:23:37.346	101.64200
MM	80854	07-OCT-2010	14:26:49.365	14:34:38.971	469.60600
MM	80855	07-OCT-2010	16:01:20.728	16:02:42.452	81.724000
MM	80859	07-OCT-2010	22:39:22.804	22:40:59.894	97.090000
SG	80847	07-OCT-2010	02:12:47.314	02:14:34.377	107.06300
SG	80848	07-OCT-2010	03:49:43.232	03:51:43.976	120.74400
SG	80854	07-OCT-2010	14:45:43.138	14:50:09.007	265.86900
SG	80855	07-OCT-2010	16:25:28.549	16:28:00.614	152.06500

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	80846	07-OCT-2010	00:40:48.127	00:54:59.713	851.58600

BE	80847	07-OCT-2010	01:59:48.572	02:11:35.130	706.55800
BE	80848	07-OCT-2010	03:38:46.250	03:51:40.524	774.27400
MM	80848	07-OCT-2010	04:18:15.990	04:24:32.333	376.34300
CM	80848	07-OCT-2010	03:08:07.777	03:18:10.882	603.10500
CM	80848	07-OCT-2010	04:46:36.454	04:57:51.963	675.50900
MM	80849	07-OCT-2010	06:00:37.771	06:06:38.696	360.92500
MM	80850	07-OCT-2010	07:41:42.554	07:49:42.571	480.01700
JO	80850	07-OCT-2010	07:19:54.517	07:33:24.723	810.20600
MM	80851	07-OCT-2010	09:22:09.212	09:32:26.033	616.82100
JO	80851	07-OCT-2010	08:58:44.870	09:12:51.856	846.98600
HO	80854	07-OCT-2010	14:31:02.245	14:42:51.052	708.80700
SG	80854	07-OCT-2010	14:45:43.138	14:58:30.022	766.88400
BE	80855	07-OCT-2010	14:55:51.337	15:08:21.189	749.85200
GS	80855	07-OCT-2010	15:22:04.840	15:35:37.795	812.95500
CM	80855	07-OCT-2010	15:31:46.188	15:41:55.447	609.25900
MM	80856	07-OCT-2010	17:40:31.899	17:53:03.862	751.96300
GS	80856	07-OCT-2010	17:01:41.777	17:14:24.187	762.41000
CM	80856	07-OCT-2010	17:10:28.925	17:21:37.725	668.80000
MM	80857	07-OCT-2010	19:19:41.358	19:32:20.954	759.59600
JO	80857	07-OCT-2010	19:39:58.246	19:52:38.374	760.12800
MM	80858	07-OCT-2010	20:59:10.671	21:11:53.979	763.30800
JO	80858	07-OCT-2010	21:18:27.074	21:32:58.335	871.26100
HO	80859	07-OCT-2010	22:31:35.753	22:43:58.985	743.23200

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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

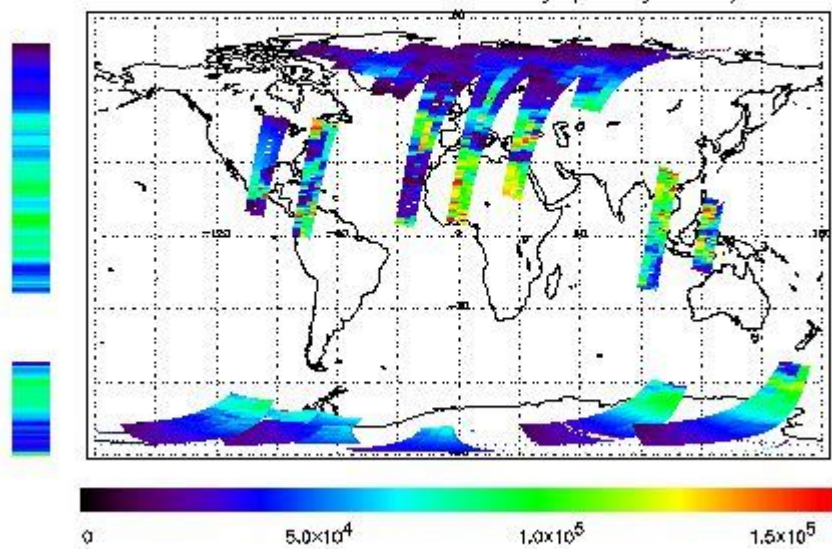
2.2 - Daily Plots

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

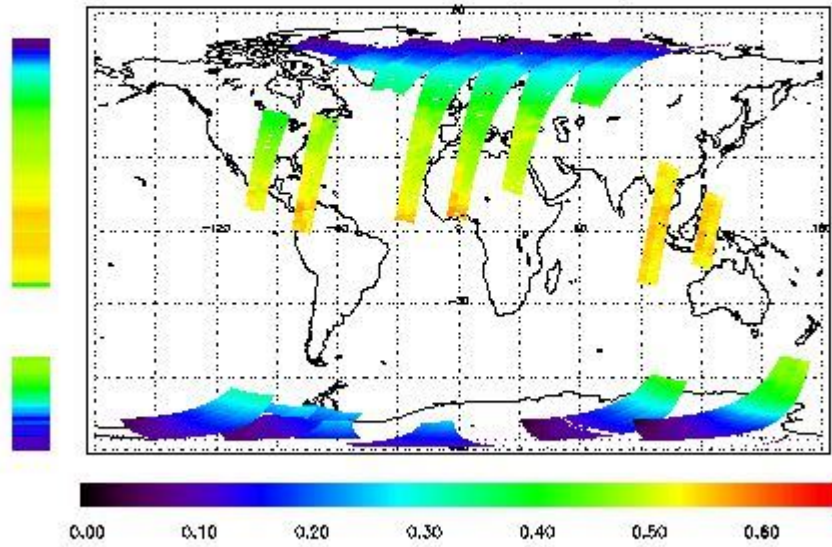
First Product : 06-OCT-2010 23:48:37.985 : ORBIT : 80846.0153
 Last Product : 07-OCT-2010 23:41:04.782 : ORBIT : 80860.2545
 Total Products Processed : 20008 Day : 280 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

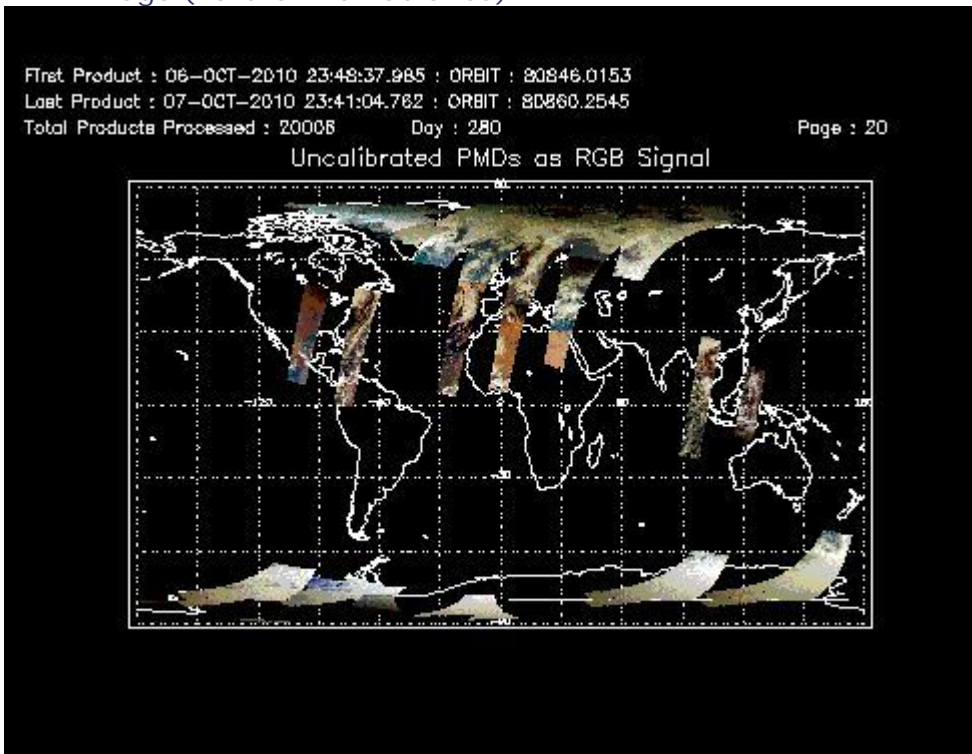


Ozone Line Ratio

First Product : 06-OCT-2010 23:48:37.985 : ORBIT : 80846.0153
 Last Product : 07-OCT-2010 23:41:04.782 : ORBIT : 80860.2545
 Total Products Processed : 20008 Day : 280 Page : 20
 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	15:12:48.151	--	80855	Yes	--	15274

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
--	--	--	--

5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
01:00 05-Sep	--	80388	--

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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