

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	09-OCT-2010
Start Time of First Product	23:47:12 (08-Oct)
Stop Time of Last Product	23:31:21
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_101009GSEP6750.E2	09-OCT-2010	02:12:14.525
EGOI_101009GSEP6776.E2	09-OCT-2010	03:52:10.636
EGOI_101009HLEP8028.E2	08-OCT-2010	23:47:12.132
EGOI_101009HLEP8039.E2	09-OCT-2010	15:11:34.312
EGOI_101009HLEP8048.E2	09-OCT-2010	23:17:53.798
EGOI_101009KSEP0823.E2	09-OCT-2010	07:32:58.495
EGOI_101009KSEP0841.E2	09-OCT-2010	09:13:00.610
EGOI_101009KSEP0862.E2	09-OCT-2010	10:52:38.721
EGOI_101009KSEP0887.E2	09-OCT-2010	12:31:58.832

EGOI_101009KSEP0897.E2	09-OCT-2010	14:10:54.935
EGOI_101009KSEP0923.E2	09-OCT-2010	15:48:48.039
EGOI_101009KSEP0952.E2	09-OCT-2010	17:26:44.145
EGOI_101009KSEP0984.E2	09-OCT-2010	19:04:32.741
EGOI_101009KSEP1015.E2	09-OCT-2010	20:44:10.856
EGOI_101009KSEP1040.E2	09-OCT-2010	22:26:08.484
EGOI_101009MAEP8066.E2	09-OCT-2010	09:20:12.653
EGOI_101009MAEP8073.E2	09-OCT-2010	11:00:16.264
EGOI_101009MAEP8092.E2	09-OCT-2010	22:18:09.933
EGOI_101009MIEP2859.E2	09-OCT-2010	02:10:01.009
EGOI_101009MIEP2880.E2	09-OCT-2010	03:46:54.104
EGOI_101009MIEP2900.E2	09-OCT-2010	14:30:29.557
EGOI_101009MIEP2917.E2	09-OCT-2010	16:06:58.648
EGOI_101009MIEP2935.E2	09-OCT-2010	17:49:20.278
EGOI_101009MMEP6351.E2	09-OCT-2010	01:31:48.778
EGOI_101009MMEP6358.E2	09-OCT-2010	03:14:20.905
EGOI_101009MMEP6368.E2	09-OCT-2010	08:25:01.816
EGOI_101009MMEP6373.E2	09-OCT-2010	11:40:58.515
EGOI_101009MMEP6384.E2	09-OCT-2010	16:43:27.379
EGOI_101009MMEP6391.E2	09-OCT-2010	21:38:47.186
EGOI_101009MMEP6401.E2	09-OCT-2010	23:18:17.798
EGOI_101009MSEP2330.E2	09-OCT-2010	00:26:58.883
EGOI_101009MSEP2351.E2	09-OCT-2010	11:06:11.799
EGOI_101009MSEP2378.E2	09-OCT-2010	12:45:34.910
EGOI_101009MSEP2404.E2	09-OCT-2010	22:15:18.913
EGOI_101009SGEP8544.E2	09-OCT-2010	04:29:24.363
EGOI_101009SGEP8551.E2	09-OCT-2010	17:09:14.032

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	80879	09-OCT-2010	07:31:07.814	07:32:58.495	110.68100
KS	80880	09-OCT-2010	09:10:41.218	09:13:00.610	139.39200
KS	80881	09-OCT-2010	10:50:17.507	10:52:38.721	141.21400
KS	80882	09-OCT-2010	12:29:38.333	12:31:58.831	140.49800
KS	80883	09-OCT-2010	14:08:31.235	14:10:54.934	143.69900
KS	80884	09-OCT-2010	15:46:25.766	15:48:48.038	142.27200
KS	80885	09-OCT-2010	17:24:18.517	17:26:44.145	145.62800
KS	80886	09-OCT-2010	19:02:30.154	19:04:32.740	122.58600
KS	80887	09-OCT-2010	20:42:20.352	20:44:10.856	110.50400
KS	80888	09-OCT-2010	22:24:17.861	22:26:08.484	110.62300
GS	80876	09-OCT-2010	02:10:39.723	02:12:14.525	94.802000

GS	80877	09-OCT-2010	03:50:17.159	03:52:10.635	113.47600
MS	80875	09-OCT-2010	00:24:58.334	00:26:58.882	120.54800
MS	80881	09-OCT-2010	11:03:28.052	11:06:11.799	163.74700
MS	80882	09-OCT-2010	12:43:10.566	12:45:34.910	144.34400
MS	80888	09-OCT-2010	22:13:29.082	22:15:18.912	109.83000
MS	80889	09-OCT-2010	23:52:23.174	23:54:28.525	125.35100
MA	80880	09-OCT-2010	09:19:00.980	09:20:12.652	71.672000
MA	80881	09-OCT-2010	10:58:49.005	11:00:16.263	87.258000
MI	80876	09-OCT-2010	02:07:55.233	02:10:01.008	125.77500
MI	80877	09-OCT-2010	03:44:41.310	03:46:54.104	132.79400
MI	80883	09-OCT-2010	14:28:29.538	14:30:29.557	120.01900
MI	80884	09-OCT-2010	16:04:46.283	16:06:58.647	132.36400
MI	80885	09-OCT-2010	17:47:23.318	17:49:20.277	116.95900
MM	80875	09-OCT-2010	01:30:35.680	01:31:48.777	73.097000
MM	80879	09-OCT-2010	08:19:03.788	08:25:01.815	358.02700
MM	80881	09-OCT-2010	11:39:27.155	11:40:58.515	91.360000
MM	80884	09-OCT-2010	16:38:12.366	16:43:27.378	315.01200
MM	80884	09-OCT-2010	16:48:24.402	16:50:44.789	140.38700
MM	80887	09-OCT-2010	21:36:17.673	21:38:47.185	149.51200
MM	80888	09-OCT-2010	23:16:50.465	23:18:17.797	87.332000
SG	80877	09-OCT-2010	04:27:34.920	04:29:24.363	109.44300
SG	80877	09-OCT-2010	04:31:16.873	04:39:00.063	463.19000
Missing	data	and			

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	80874	08-OCT-2010	23:48:39.233	00:00:17.457	698.22400
HO	80875	09-OCT-2010	01:18:39.508	01:31:19.391	759.88300
GS	80875	09-OCT-2010	00:35:33.461	00:42:46.614	433.15300
BE	80876	09-OCT-2010	02:36:14.398	02:49:24.769	790.37100
SG	80876	09-OCT-2010	02:47:47.172	03:00:36.551	769.37900
CM	80876	09-OCT-2010	03:43:47.134	03:55:54.807	727.67300
BE	80877	09-OCT-2010	04:16:09.712	04:27:29.568	679.85600
MM	80877	09-OCT-2010	04:56:26.718	05:02:17.524	350.80600
MM	80878	09-OCT-2010	06:38:17.455	06:44:53.261	395.80600

KS	80878	09-OCT-2010	05:52:41.828	05:56:43.247	241.41900
CM	80878	09-OCT-2010	05:25:39.732	05:32:48.300	428.56800
JO	80878	09-OCT-2010	06:22:01.995	06:28:01.965	359.97000
JO	80879	09-OCT-2010	07:55:55.596	08:10:46.585	890.98900
MM	80880	09-OCT-2010	09:59:22.863	10:10:21.010	658.14700
JO	80880	09-OCT-2010	09:37:12.120	09:48:35.834	683.71400
MM	80882	09-OCT-2010	13:19:17.844	13:32:00.097	762.25300
HO	80883	09-OCT-2010	15:08:50.650	15:17:23.737	513.08700
MM	80883	09-OCT-2010	14:58:53.219	15:11:33.850	760.63100
GS	80883	09-OCT-2010	14:20:37.973	14:30:54.263	616.29000
SG	80883	09-OCT-2010	15:21:58.721	15:35:51.290	832.56900
BE	80884	09-OCT-2010	15:34:18.816	15:44:23.440	604.62400
GS	80884	09-OCT-2010	15:58:53.798	16:12:49.831	836.03300
CM	80884	09-OCT-2010	16:07:41.544	16:19:53.179	731.63500
MM	80885	09-OCT-2010	18:17:20.905	18:29:54.888	753.98300
GS	80885	09-OCT-2010	17:39:06.798	17:49:56.267	649.46900
CM	80885	09-OCT-2010	17:49:02.212	17:56:15.843	433.63100
MM	80886	09-OCT-2010	19:56:34.922	20:09:17.545	762.62300
MA	80886	09-OCT-2010	19:00:51.430	19:05:59.762	308.33200
JO	80886	09-OCT-2010	20:16:02.667	20:30:39.249	876.58200
MA	80887	09-OCT-2010	20:34:25.645	20:48:06.172	820.52700
JO	80887	09-OCT-2010	21:56:01.261	22:08:39.125	757.86400
HO	80888	09-OCT-2010	23:07:28.546	23:21:12.868	824.32200

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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

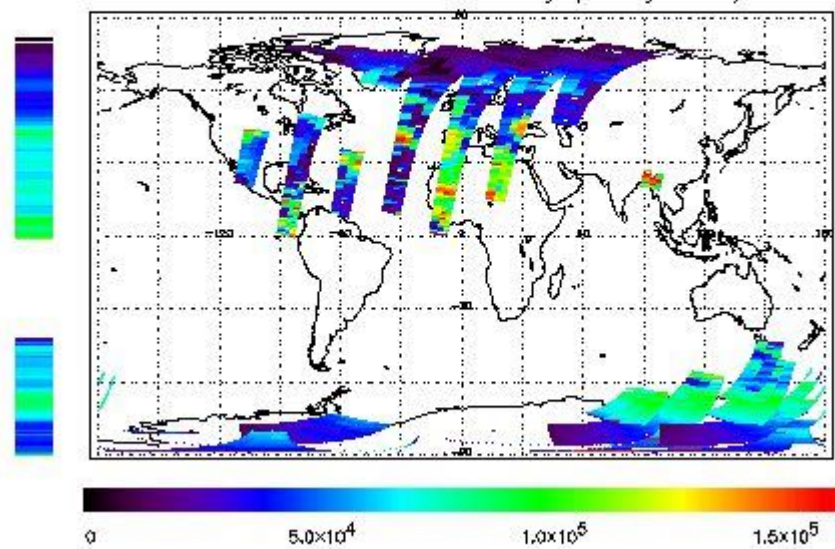
2.2 - Daily Plots

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

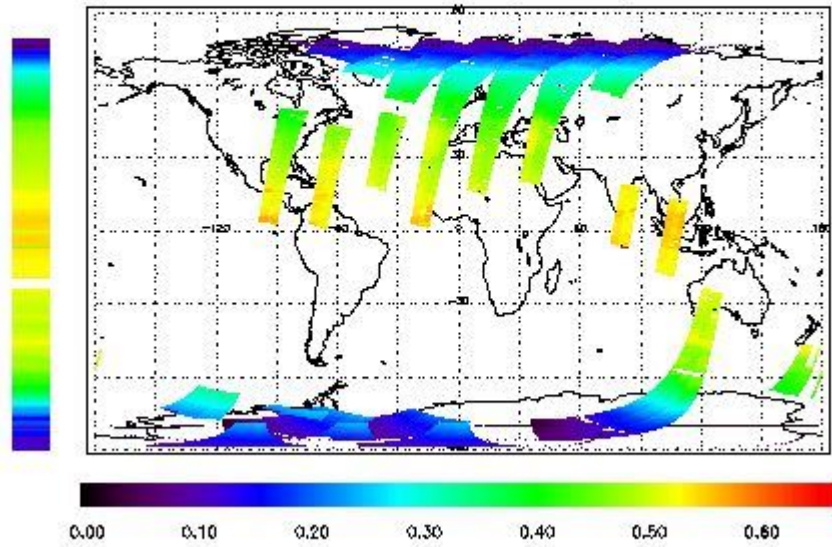
First Product : 08-OCT-2010 23:47:12.132 : ORBIT : 80874.6297
 Last Product : 09-OCT-2010 23:31:20.880 : ORBIT : 80888.7864
 Total Products Processed : 15628 Day : 282 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

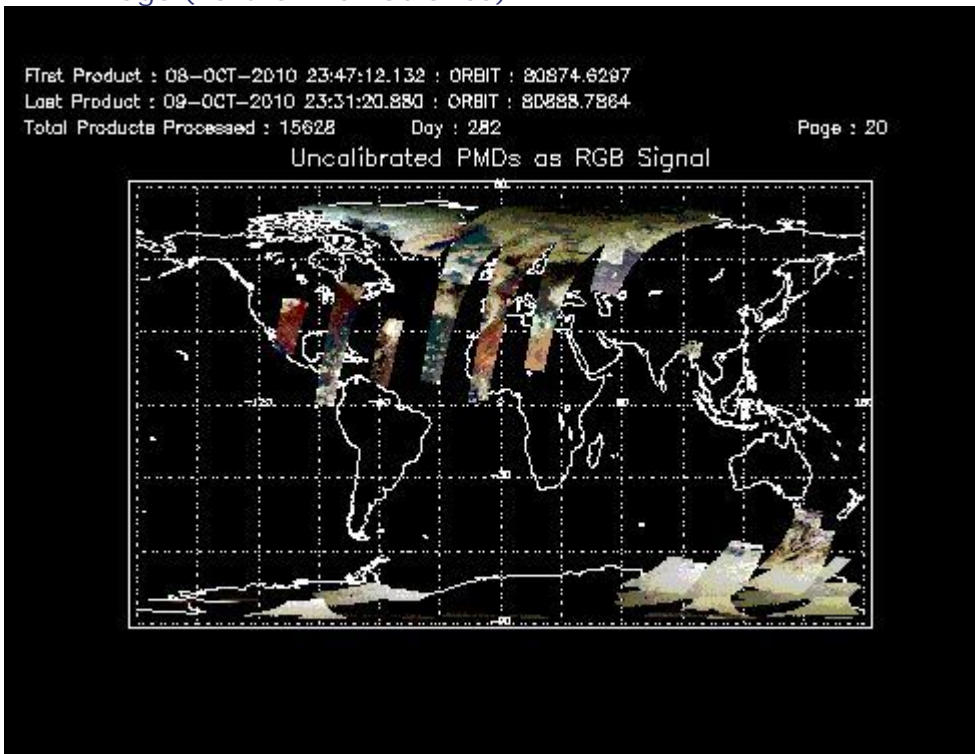


Ozone Line Ratio

First Product : 08-OCT-2010 00:11:33.455 : ORBIT : 80860.5575
 Last Product : 08-OCT-2010 23:09:50.904 : ORBIT : 80874.2583
 Total Products Processed : 17448 Day : 281 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	14:14:42.958	--	80883	Yes	--	15359

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
--	--	--	--	--

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
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