

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	03-AUG-2010
Start Time of First Product	23:47:56 (02-Aug)
Stop Time of Last Product	23:28:32
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_100803GSEP2005.E2	03-AUG-2010	02:17:37.445
EGOI_100803GSEP2028.E2	03-AUG-2010	03:57:36.551
EGOI_100803HLEP6532.E2	02-AUG-2010	23:47:56.028
EGOI_100803HLEP6539.E2	03-AUG-2010	01:26:19.129
EGOI_100803HLEP6547.E2	03-AUG-2010	13:35:32.576
EGOI_100803HLEP6558.E2	03-AUG-2010	15:16:19.694
EGOI_100803HLEP6564.E2	03-AUG-2010	23:14:42.104
EGOI_100803KSEP4960.E2	03-AUG-2010	07:38:15.394
EGOI_100803KSEP4980.E2	03-AUG-2010	09:18:16.007

EGOI_100803KSEP5003.E2	03-AUG-2010	10:57:54.113
EGOI_100803KSEP5032.E2	03-AUG-2010	12:37:12.720
EGOI_100803KSEP5056.E2	03-AUG-2010	14:16:08.822
EGOI_100803KSEP5063.E2	03-AUG-2010	15:53:57.422
EGOI_100803KSEP5088.E2	03-AUG-2010	17:31:53.521
EGOI_100803KSEP5120.E2	03-AUG-2010	19:09:42.111
EGOI_100803KSEP5151.E2	03-AUG-2010	20:49:30.726
EGOI_100803KSEP5179.E2	03-AUG-2010	22:31:34.344
EGOI_100803MAEP5217.E2	03-AUG-2010	09:25:38.554
EGOI_100803MAEP5226.E2	03-AUG-2010	11:05:34.655
EGOI_100803MAEP5243.E2	03-AUG-2010	22:23:52.297
EGOI_100803MIEP7942.E2	03-AUG-2010	02:14:50.926
EGOI_100803MIEP7962.E2	03-AUG-2010	03:52:53.023
EGOI_100803MIEP7978.E2	03-AUG-2010	14:35:14.940
EGOI_100803MIEP7990.E2	03-AUG-2010	16:12:15.531
EGOI_100803MIEP7996.E2	03-AUG-2010	17:55:14.658
EGOI_100803MMEP2393.E2	03-AUG-2010	01:37:11.695
EGOI_100803MMEP2400.E2	03-AUG-2010	03:19:46.824
EGOI_100803MMEP2410.E2	03-AUG-2010	10:05:59.800
EGOI_100803MMEP2417.E2	03-AUG-2010	11:46:21.407
EGOI_100803MMEP2427.E2	03-AUG-2010	13:25:53.517
EGOI_100803MMEP2436.E2	03-AUG-2010	16:45:02.232
EGOI_100803MSEP4625.E2	03-AUG-2010	00:32:20.307
EGOI_100803MSEP4645.E2	03-AUG-2010	11:11:06.192
EGOI_100803MSEP4670.E2	03-AUG-2010	12:51:00.806
EGOI_100803MSEP4698.E2	03-AUG-2010	22:20:10.278
EGOI_100803SGEP7126.E2	03-AUG-2010	13:54:32.690
EGOI_100803SGEP7136.E2	03-AUG-2010	15:29:33.276

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	79920	03-AUG-2010	07:36:48.596	07:38:15.393	86.797000
KS	79921	03-AUG-2010	09:16:22.842	09:18:16.006	113.16400
KS	79922	03-AUG-2010	10:55:58.707	10:57:54.113	115.40600
KS	79923	03-AUG-2010	12:35:18.102	12:37:12.719	114.61700
KS	79924	03-AUG-2010	14:14:09.878	14:16:08.821	118.94300
KS	79925	03-AUG-2010	15:52:00.778	15:53:57.422	116.64400
KS	79926	03-AUG-2010	17:29:55.437	17:31:53.521	118.08400
KS	79927	03-AUG-2010	19:08:09.684	19:09:42.111	92.427000
KS	79928	03-AUG-2010	20:48:06.114	20:49:30.726	84.612000
KS	79929	03-AUG-2010	22:30:12.247	22:31:34.343	82.096000

GS	79918	03-AUG-2010	03:56:08.242	03:57:36.551	88.309000
MS	79916	03-AUG-2010	00:31:01.768	00:32:20.307	78.539000
MS	79922	03-AUG-2010	11:09:05.066	11:11:06.192	121.12600
MS	79923	03-AUG-2010	12:49:04.846	12:51:00.806	115.96000
MS	79929	03-AUG-2010	22:18:57.672	22:20:10.278	72.606000
MS	79930	03-AUG-2010	23:58:14.332	23:59:52.881	98.549000
MA	79921	03-AUG-2010	09:24:32.320	09:25:38.554	66.234000
MI	79917	03-AUG-2010	02:13:12.136	02:14:50.926	98.790000
MI	79918	03-AUG-2010	03:50:25.780	03:52:53.023	147.24300
MI	79924	03-AUG-2010	14:33:37.238	14:35:14.940	97.702000
MI	79925	03-AUG-2010	16:10:27.786	16:12:15.531	107.74500
MI	79926	03-AUG-2010	17:53:58.536	17:55:14.658	76.122000
MM	79922	03-AUG-2010	11:45:09.857	11:46:21.406	71.549000
MM	79925	03-AUG-2010	16:43:52.463	16:45:02.231	69.768000
SG	79924	03-AUG-2010	15:27:38.351	15:29:33.276	114.92500

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	79915	02-AUG-2010	23:54:26.979	00:06:00.623	693.64400
HO	79916	03-AUG-2010	01:24:35.965	01:36:51.813	735.84800
GS	79916	03-AUG-2010	00:40:47.640	00:48:39.813	472.17300
BE	79917	03-AUG-2010	02:41:53.106	02:55:09.468	796.36200
SG	79917	03-AUG-2010	02:53:18.267	03:06:25.056	786.78900
CM	79917	03-AUG-2010	03:49:22.529	04:01:38.356	735.82700
BE	79918	03-AUG-2010	04:21:57.054	04:32:55.760	658.70600
MM	79918	03-AUG-2010	05:02:18.265	05:08:07.094	348.82900
SG	79918	03-AUG-2010	04:33:31.446	04:44:22.064	650.61800
MM	79919	03-AUG-2010	06:44:04.231	06:50:46.739	402.50800
KS	79919	03-AUG-2010	05:58:10.511	06:02:58.017	287.50600
CM	79919	03-AUG-2010	05:31:59.634	05:37:52.292	352.65800
JO	79919	03-AUG-2010	06:26:57.000	06:34:15.821	438.82100
MM	79920	03-AUG-2010	08:24:48.258	08:33:49.880	541.62200
JO	79920	03-AUG-2010	08:01:32.546	08:16:28.824	896.27800
JO	79921	03-AUG-2010	09:43:15.596	09:53:58.613	643.01700
HO	79922	03-AUG-2010	11:54:36.306	12:07:41.222	784.91600

HO	79923	03-AUG-2010	13:33:31.638	13:48:11.180	879.54200
BE	79924	03-AUG-2010	13:58:29.207	14:11:52.265	803.05800
HO	79924	03-AUG-2010	15:14:42.019	15:22:49.045	487.02600
MM	79924	03-AUG-2010	15:04:34.167	15:17:14.288	760.12100
GS	79924	03-AUG-2010	14:26:08.554	14:36:54.930	646.37600
BE	79925	03-AUG-2010	15:40:21.418	15:49:50.676	569.25800
GS	79925	03-AUG-2010	16:04:34.888	16:18:29.908	835.02000
CM	79925	03-AUG-2010	16:13:18.474	16:25:37.212	738.73800
MM	79926	03-AUG-2010	18:23:00.784	18:35:35.197	754.41300
GS	79926	03-AUG-2010	17:44:53.902	17:55:20.338	626.43600
CM	79926	03-AUG-2010	17:55:12.658	18:01:19.002	366.34400
MM	79927	03-AUG-2010	20:02:15.792	20:14:58.766	762.97400
MA	79927	03-AUG-2010	19:05:58.018	19:12:57.325	419.30700
JO	79927	03-AUG-2010	20:21:39.429	20:36:24.913	885.48400
MM	79928	03-AUG-2010	21:42:00.885	21:54:38.817	757.93200
MA	79928	03-AUG-2010	20:40:04.380	20:53:45.585	821.20500
JO	79928	03-AUG-2010	22:01:51.687	22:14:02.753	731.06600
HO	79929	03-AUG-2010	23:12:57.424	23:26:55.895	838.47100
MM	79929	03-AUG-2010	23:22:37.036	23:34:33.741	716.70500

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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

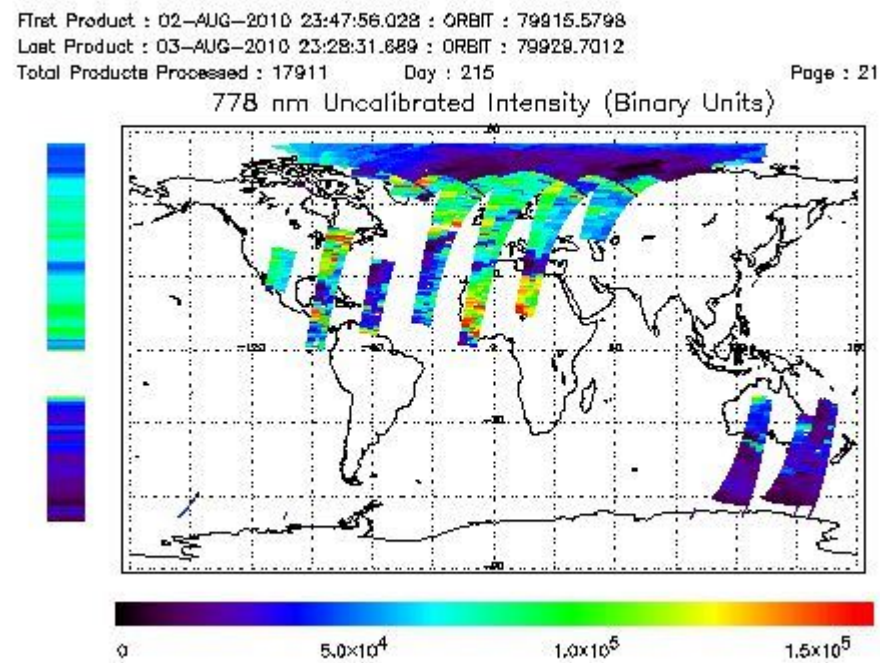
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration 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

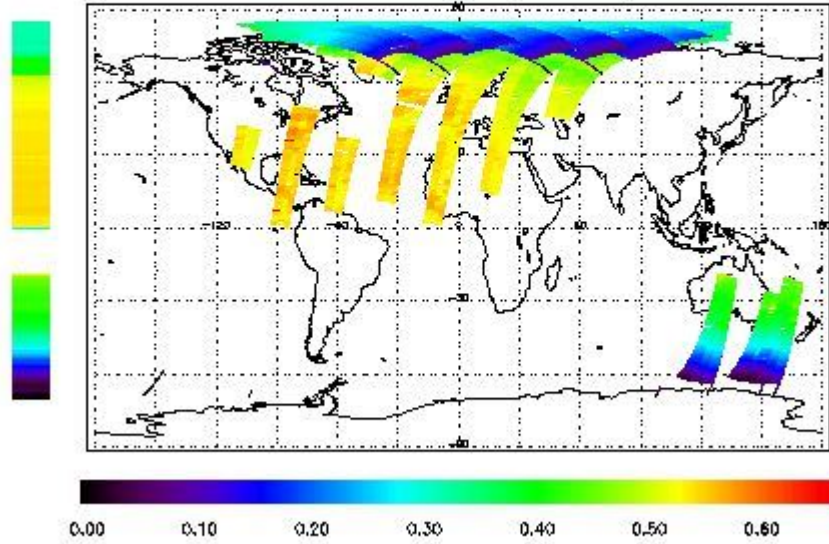


Ozone Line Ratio

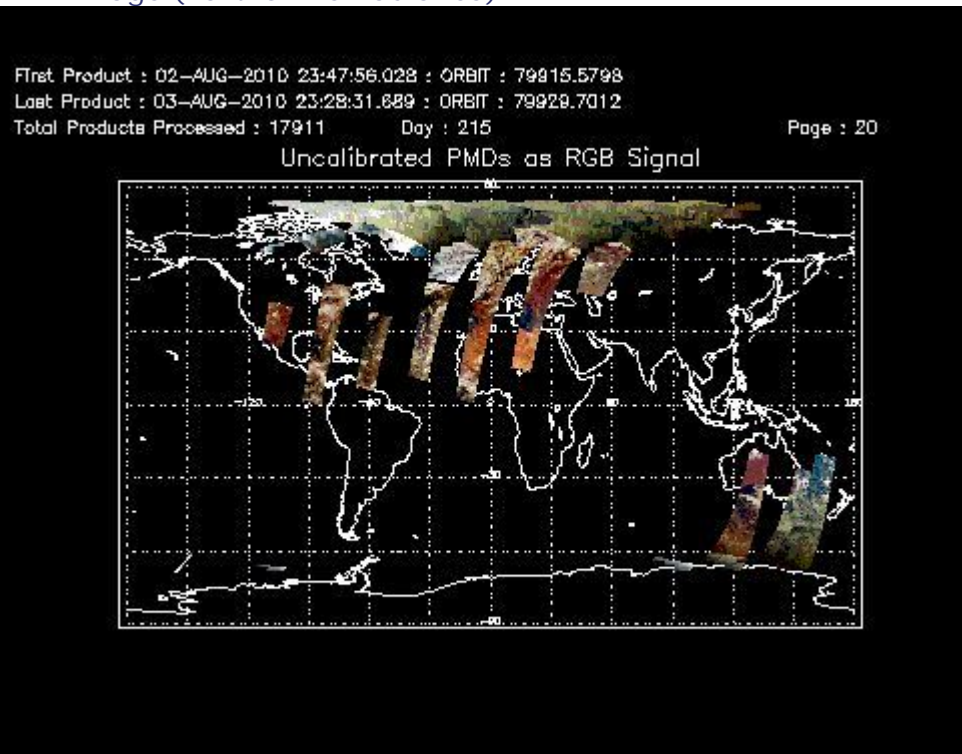
First Product : 02-AUG-2010 23:47:56.028 : ORBIT : 79915.5798
 Last Product : 03-AUG-2010 23:28:31.689 : ORBIT : 79929.7012
 Total Products Processed : 17911 Day : 215

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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	19:14:36.142	--	79927	Yes	--	14732

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
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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