

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	13-AUG-2010
Start Time of First Product	23:41:22 (12-Aug)
Stop Time of Last Product	23:22:26
Number of EGOI Products analysed	43
Number of corrupted products	2
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100813GSEP2746.E2	13-AUG-2010	02:03:44.120
EGOI_100813GSEP2777.E2	13-AUG-2010	03:43:01.225
EGOI_100813GSEP2785.E2	13-AUG-2010	05:25:48.354
EGOI_100813HLEP6822.E2	13-AUG-2010	11:49:43.188
EGOI_100813HLEP6829.E2	13-AUG-2010	23:01:08.274
EGOI_100813KSEP7370.E2	13-AUG-2010	07:24:05.573
EGOI_100813KSEP7388.E2	13-AUG-2010	09:04:06.179
EGOI_100813KSEP7409.E2	13-AUG-2010	10:43:45.785
EGOI_100813KSEP7434.E2	13-AUG-2010	12:23:08.887

EGOI_100813KSEP7462.E2	13-AUG-2010	14:02:04.994
EGOI_100813KSEP7487.E2	13-AUG-2010	15:40:10.093
EGOI_100813KSEP7516.E2	13-AUG-2010	17:17:55.684
EGOI_100813KSEP7540.E2	13-AUG-2010	18:55:50.284
EGOI_100813KSEP7570.E2	13-AUG-2010	20:35:14.890
EGOI_100813KSEP7598.E2	13-AUG-2010	22:16:57.505
EGOI_100813MAEP5585.E2	13-AUG-2010	09:11:40.722
EGOI_100813MAEP5590.E2	13-AUG-2010	10:51:17.328
EGOI_100813MAEP5596.E2	13-AUG-2010	18:55:48.782
EGOI_100813MAEP5614.E2	13-AUG-2010	22:09:04.958
EGOI_100813MIEP8471.E2	13-AUG-2010	02:01:50.112
EGOI_100813MIEP8498.E2	13-AUG-2010	03:38:49.198
EGOI_100813MIEP8515.E2	13-AUG-2010	05:23:10.835
EGOI_100813MIEP8532.E2	13-AUG-2010	14:22:36.615
EGOI_100813MIEP8539.E2	13-AUG-2010	15:58:08.698
EGOI_100813MIEP8557.E2	13-AUG-2010	17:39:45.319
EGOI_100813MMEP2945.E2	12-AUG-2010	23:41:22.255
EGOI_100813MMEP2953.E2	13-AUG-2010	01:22:40.868
EGOI_100813MMEP2960.E2	13-AUG-2010	03:05:12.995
EGOI_100813MMEP2967.E2	13-AUG-2010	04:47:52.620
EGOI_100813MMEP2978.E2	13-AUG-2010	09:51:45.469
EGOI_100813MMEP2986.E2	13-AUG-2010	13:11:45.184
EGOI_100813MMEP2995.E2	13-AUG-2010	16:30:58.399
EGOI_100813MMEP3002.E2	13-AUG-2010	18:11:09.510
EGOI_100813MMEP3009.E2	13-AUG-2010	19:49:38.612
EGOI_100813MMEP3018.E2	13-AUG-2010	21:29:34.716
EGOI_100813MMEP3025.E2	13-AUG-2010	23:09:18.822
EGOI_100813MSEP5785.E2	13-AUG-2010	00:17:38.978
EGOI_100813MSEP5796.E2	13-AUG-2010	10:57:06.864
EGOI_100813MSEP5823.E2	13-AUG-2010	12:36:28.471
EGOI_100813MSEP5851.E2	13-AUG-2010	22:07:00.446
EGOI_100813SGEP7357.E2	13-AUG-2010	02:41:29.354
EGOI_100813SGEP7364.E2	13-AUG-2010	15:20:00.968
EGOI_100813SGEP7370.E2	13-AUG-2010	16:57:51.063

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	80063	13-AUG-2010	07:22:36.881	07:24:05.572	88.691000
KS	80064	13-AUG-2010	09:02:08.794	09:04:06.179	117.38500
KS	80065	13-AUG-2010	10:41:45.616	10:43:45.784	120.16800
KS	80066	13-AUG-2010	12:21:08.468	12:23:08.886	120.41800
KS	80067	13-AUG-2010	14:00:02.227	14:02:04.994	122.76700

KS	80068	13-AUG-2010	15:38:03.115	15:40:10.092	126.97700
KS	80069	13-AUG-2010	17:15:52.304	17:17:55.684	123.38000
KS	80070	13-AUG-2010	18:54:01.405	18:55:50.283	108.87800
KS	80071	13-AUG-2010	20:33:42.478	20:35:14.889	92.411000
KS	80072	13-AUG-2010	22:15:27.382	22:16:57.504	90.122000
GS	80060	13-AUG-2010	02:02:10.723	02:03:44.120	93.397000
GS	80061	13-AUG-2010	03:41:32.709	03:43:01.224	88.515000
MS	80059	13-AUG-2010	00:15:58.651	00:17:38.977	100.32600
MS	80065	13-AUG-2010	10:55:03.360	10:57:06.864	123.50400
MS	80066	13-AUG-2010	12:34:29.074	12:36:28.470	119.39600
MS	80072	13-AUG-2010	22:05:19.135	22:07:00.445	101.31000
MS	80073	13-AUG-2010	23:43:39.330	23:45:23.544	104.21400
MA	80065	13-AUG-2010	10:49:55.177	10:51:17.327	82.150000
MA	80070	13-AUG-2010	18:53:07.927	18:55:48.782	160.85500
MI	80060	13-AUG-2010	02:00:06.475	02:01:50.112	103.63700
MI	80061	13-AUG-2010	03:36:07.042	03:38:49.197	162.15500
MI	80067	13-AUG-2010	14:21:14.638	14:22:36.614	81.976000
MI	80068	13-AUG-2010	15:56:15.541	15:58:08.697	113.15600
MI	80069	13-AUG-2010	17:38:02.795	17:39:45.318	102.52300
MM	80066	13-AUG-2010	13:10:44.927	13:11:45.183	60.256000
MM	80068	13-AUG-2010	16:29:42.148	16:30:58.398	76.250000
MM	80069	13-AUG-2010	18:08:51.113	18:11:09.510	138.39700
MM	80070	13-AUG-2010	19:48:03.791	19:49:38.612	94.821000
MM	80071	13-AUG-2010	21:27:43.164	21:29:34.715	111.55100
MM	80072	13-AUG-2010	23:08:11.003	23:09:18.821	67.818000
SG	80060	13-AUG-2010	02:39:33.719	02:41:29.353	115.63400
SG	80060	13-AUG-2010	02:45:17.376	02:51:50.759	393.38300
SG	80067	13-AUG-2010	15:13:31.605	15:20:00.967	389.36200
SG	80068	13-AUG-2010	16:55:47.669	16:57:51.062	123.39300

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	80059	13-AUG-2010	01:09:53.596	01:22:58.577	784.98100
BE	80060	13-AUG-2010	02:27:47.390	02:40:45.646	778.25600
CM	80060	13-AUG-2010	03:35:26.862	03:47:17.371	710.50900

BE	80061	13-AUG-2010	04:07:29.940	04:19:17.897	707.95700
SG	80061	13-AUG-2010	04:18:44.346	04:30:52.475	728.12900
MM	80062	13-AUG-2010	06:29:36.890	06:36:03.219	386.32900
CM	80062	13-AUG-2010	05:16:24.641	05:24:57.970	513.32900
MM	80063	13-AUG-2010	08:10:26.930	08:19:08.230	521.30000
JO	80063	13-AUG-2010	07:47:32.307	08:02:11.957	879.65000
JO	80064	13-AUG-2010	09:28:12.125	09:40:27.176	735.05100
MM	80065	13-AUG-2010	11:30:53.021	11:43:02.446	729.42500
HO	80067	13-AUG-2010	15:00:05.206	15:09:12.159	546.95300
MM	80067	13-AUG-2010	14:50:21.691	15:03:03.047	761.35600
GS	80067	13-AUG-2010	14:12:25.205	14:21:48.931	563.72600
SG	80067	13-AUG-2010	15:13:31.605	15:27:18.842	827.23700
BE	80068	13-AUG-2010	15:25:19.500	15:36:09.119	649.61900
GS	80068	13-AUG-2010	15:50:22.744	16:04:18.105	835.36100
CM	80068	13-AUG-2010	15:59:18.441	16:11:14.284	715.84300
GS	80069	13-AUG-2010	17:30:27.136	17:41:48.042	680.90600
CM	80069	13-AUG-2010	17:39:57.495	17:48:29.082	511.58700
JO	80070	13-AUG-2010	20:07:39.148	20:21:58.385	859.23700
MA	80071	13-AUG-2010	20:25:59.228	20:39:45.064	825.83600
JO	80071	13-AUG-2010	21:47:17.716	22:00:30.489	792.77300
HO	80072	13-AUG-2010	22:59:14.271	23:12:37.772	803.50100

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1.5 - List of corrupted products

Station	Orbit	Time
MI	80060	02:02:12.611
MM	80067	13:11:48.184

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

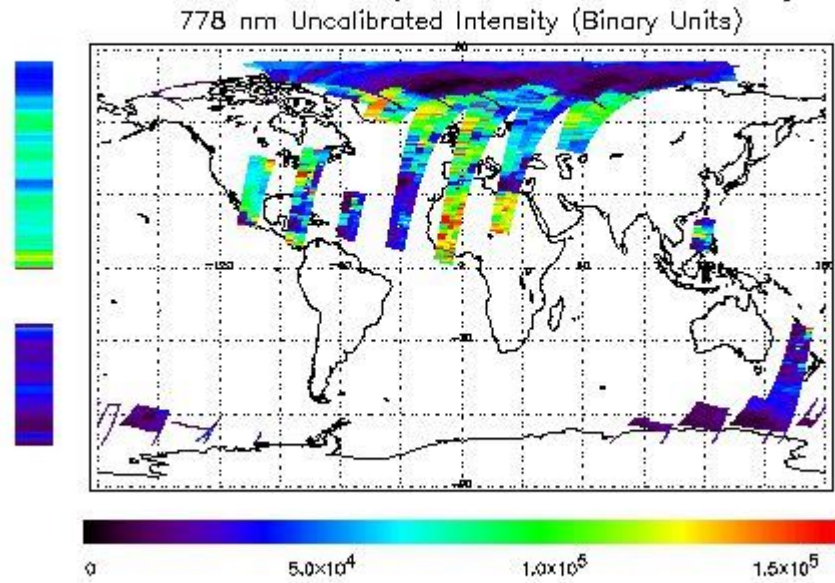
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	OK
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	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 : 12-AUG-2010 23:41:22.255 : ORBIT : 80058.6574
 Last Product : 13-AUG-2010 23:22:26.407 : ORBIT : 80072.7835
 Total Products Processed : 19417 Day : 225 Page : 21

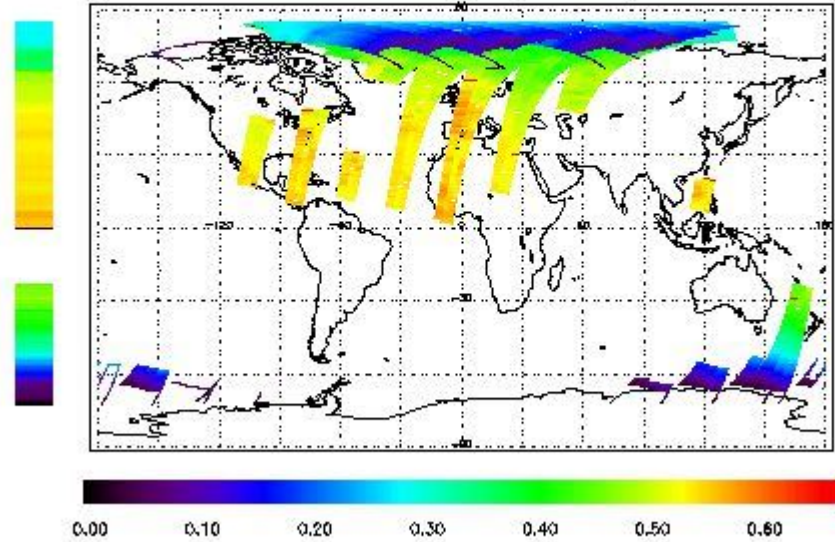


Ozone Line Ratio

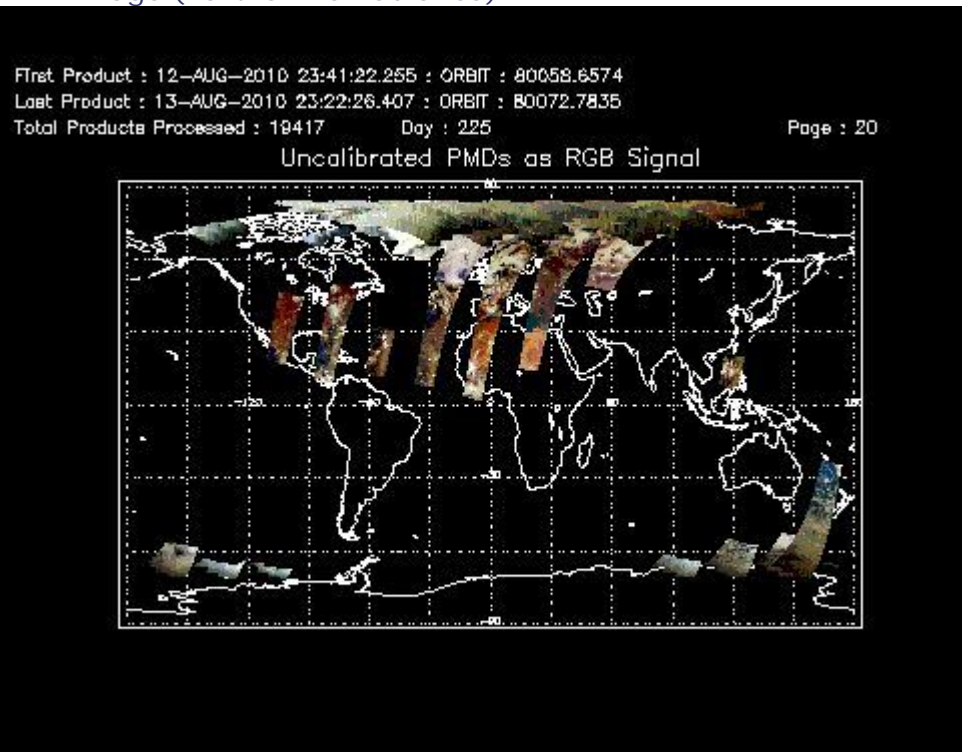
First Product : 12-AUG-2010 23:41:22.255 : ORBIT : 80058.6574
 Last Product : 13-AUG-2010 23:22:26.407 : ORBIT : 80072.7835
 Total Products Processed : 19417 Day : 225

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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	17:20:33.203	--	80069	Yes	--	14797

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
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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
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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