

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	14-SEP-2010
Start Time of First Product	22:36:11 (13-Sep)
Stop Time of Last Product	23:53:16
Number of EGOI Products analysed	33
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100914GSEP4981.E2	14-SEP-2010	01:58:32.916
EGOI_100914GSEP5012.E2	14-SEP-2010	03:37:14.022
EGOI_100914GSEP5020.E2	14-SEP-2010	05:20:10.147
EGOI_100914HLEP7715.E2	14-SEP-2010	01:06:16.095
EGOI_100914KSEP5454.E2	14-SEP-2010	07:18:36.366
EGOI_100914KSEP5473.E2	14-SEP-2010	08:58:36.977
EGOI_100914KSEP5495.E2	14-SEP-2010	10:38:18.088
EGOI_100914KSEP5520.E2	14-SEP-2010	12:17:41.194
EGOI_100914KSEP5548.E2	14-SEP-2010	13:56:38.797

EGOI_100914KSEP5573.E2	14-SEP-2010	15:34:52.900
EGOI_100914KSEP5602.E2	14-SEP-2010	17:12:28.476
EGOI_100914KSEP5634.E2	14-SEP-2010	18:50:24.570
EGOI_100914KSEP5665.E2	14-SEP-2010	20:29:40.177
EGOI_100914KSEP5693.E2	14-SEP-2010	22:11:15.297
EGOI_100914MAEP7058.E2	13-SEP-2010	22:36:10.688
EGOI_100914MAEP7064.E2	13-SEP-2010	22:36:10.689
EGOI_100914MAEP7077.E2	14-SEP-2010	09:06:05.526
EGOI_100914MAEP7086.E2	14-SEP-2010	10:45:45.133
EGOI_100914MAEP7090.E2	13-SEP-2010	09:38:34.439
EGOI_100914MAEP7094.E2	13-SEP-2010	09:38:34.439
EGOI_100914MAEP7113.E2	14-SEP-2010	22:03:25.739
EGOI_100914MIEP0732.E2	14-SEP-2010	01:56:53.905
EGOI_100914MIEP0757.E2	14-SEP-2010	03:34:00.502
EGOI_100914MIEP0778.E2	14-SEP-2010	05:16:28.120
EGOI_100914MMEP4987.E2	14-SEP-2010	11:26:13.881
EGOI_100914MMEP4995.E2	14-SEP-2010	13:06:14.488
EGOI_100914MMEP5004.E2	14-SEP-2010	14:45:42.098
EGOI_100914MSEP9424.E2	14-SEP-2010	00:12:00.771
EGOI_100914MSEP9446.E2	14-SEP-2010	10:51:54.174
EGOI_100914MSEP9474.E2	14-SEP-2010	12:31:05.278
EGOI_100914MSEP9500.E2	14-SEP-2010	22:02:04.742
EGOI_100914MSEP9529.E2	14-SEP-2010	23:39:50.340
EGOI_100914SGEP8155.E2	14-SEP-2010	02:37:57.155

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	80521	14-SEP-2010	07:16:56.443	07:18:36.365	99.922000
KS	80522	14-SEP-2010	08:56:27.191	08:58:36.976	129.78500
KS	80523	14-SEP-2010	10:36:04.298	10:38:18.088	133.79000
KS	80524	14-SEP-2010	12:15:28.424	12:17:41.194	132.77000
KS	80525	14-SEP-2010	13:54:22.760	13:56:38.797	136.03700
KS	80526	14-SEP-2010	15:32:27.910	15:34:52.900	144.99000
KS	80527	14-SEP-2010	17:10:11.823	17:12:28.476	136.65300
KS	80528	14-SEP-2010	18:48:22.592	18:50:24.570	121.97800
KS	80529	14-SEP-2010	20:27:57.733	20:29:40.176	102.44300
KS	80530	14-SEP-2010	22:09:34.439	22:11:15.296	100.85700
GS	80518	14-SEP-2010	01:56:38.007	01:58:32.916	114.90900
GS	80519	14-SEP-2010	03:35:44.444	03:37:14.022	89.578000
MS	80517	14-SEP-2010	00:10:01.881	00:12:00.770	118.88900

MS	80523	14-SEP-2010	10:49:36.089	10:51:54.173	138.08400
MS	80524	14-SEP-2010	12:28:44.394	12:31:05.277	140.88300
MS	80530	14-SEP-2010	21:59:54.647	22:02:04.742	130.09500
MS	80531	14-SEP-2010	23:37:51.891	23:39:50.339	118.44800
MA	80523	14-SEP-2010	10:44:09.313	10:45:45.132	95.819000
MA	80530	14-SEP-2010	22:01:51.333	22:03:25.738	94.405000
MI	80518	14-SEP-2010	01:54:59.949	01:56:53.904	113.95500
MI	80519	14-SEP-2010	03:30:25.779	03:34:00.501	214.72200
MI	80520	14-SEP-2010	05:14:50.827	05:16:28.119	97.292000
MM	80523	14-SEP-2010	11:25:10.210	11:26:13.880	63.670000
MM	80524	14-SEP-2010	13:05:02.920	13:06:14.488	71.568000
MM	80525	14-SEP-2010	14:44:40.604	14:45:42.098	61.494000
SG	80518	14-SEP-2010	02:34:07.149	02:37:57.155	230.00600
SG	80518	14-SEP-2010	02:44:46.696	02:45:57.967	71.271000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	80517	14-SEP-2010	01:04:05.915	01:17:23.608	797.69300
MM	80517	14-SEP-2010	01:15:58.000	01:26:09.720	611.72000
BE	80518	14-SEP-2010	02:22:10.150	02:34:58.121	767.97100
MM	80518	14-SEP-2010	02:58:43.656	03:06:37.639	473.98300
CM	80518	14-SEP-2010	03:29:55.332	03:41:30.924	695.59200
BE	80519	14-SEP-2010	04:01:44.171	04:13:48.624	724.45300
MM	80519	14-SEP-2010	04:41:46.741	04:47:44.892	358.15100
SG	80519	14-SEP-2010	04:12:53.024	04:25:24.807	751.78300
CM	80519	14-SEP-2010	05:10:20.860	05:19:38.425	557.56500
MM	80520	14-SEP-2010	06:23:49.565	06:30:10.001	380.43600
MM	80521	14-SEP-2010	08:04:42.249	08:13:15.330	513.08100
JO	80521	14-SEP-2010	07:41:58.241	07:56:28.009	869.76800
MM	80522	14-SEP-2010	09:45:04.009	09:55:47.066	643.05700
JO	80522	14-SEP-2010	09:22:15.035	09:34:58.981	763.94600
HO	80523	14-SEP-2010	11:35:04.123	11:47:07.812	723.68900
HO	80524	14-SEP-2010	13:13:35.146	13:28:24.496	889.35000
HO	80525	14-SEP-2010	14:54:14.777	15:03:43.308	568.53100
GS	80525	14-SEP-2010	14:06:59.372	14:15:41.861	522.48900

SG	80525	14-SEP-2010	15:07:55.120	15:21:35.690	820.57000
BE	80526	14-SEP-2010	15:19:22.552	15:30:37.712	675.16000
MM	80526	14-SEP-2010	16:24:01.954	16:36:35.156	753.20200
MI	80526	14-SEP-2010	15:50:36.074	16:03:57.129	801.05500
GS	80526	14-SEP-2010	15:44:42.445	15:58:35.864	833.41900
SG	80526	14-SEP-2010	16:49:34.408	16:58:07.060	512.65200
CM	80526	14-SEP-2010	15:53:44.696	16:05:26.345	701.64900
MM	80527	14-SEP-2010	18:03:11.265	18:15:44.298	753.03300
MI	80527	14-SEP-2010	17:31:58.109	17:39:59.875	481.76600
GS	80527	14-SEP-2010	17:24:41.280	17:36:21.228	699.94800
CM	80527	14-SEP-2010	17:33:59.122	17:43:12.461	553.33900
MM	80528	14-SEP-2010	19:42:23.148	19:55:04.735	761.58700
MA	80528	14-SEP-2010	18:47:33.290	18:51:43.396	250.10600
JO	80528	14-SEP-2010	20:02:04.651	20:16:09.473	844.82200
MM	80529	14-SEP-2010	21:22:00.360	21:34:41.538	761.17800
MA	80529	14-SEP-2010	20:20:22.744	20:34:10.038	827.29400
JO	80529	14-SEP-2010	21:41:29.920	21:55:02.789	812.86900
HO	80530	14-SEP-2010	22:53:39.238	23:06:53.993	794.75500
MM	80530	14-SEP-2010	23:02:24.954	23:14:33.667	728.71300
KS	80531	14-SEP-2010	23:54:12.980	00:00:16.040	363.06000

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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	Polar View operated
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

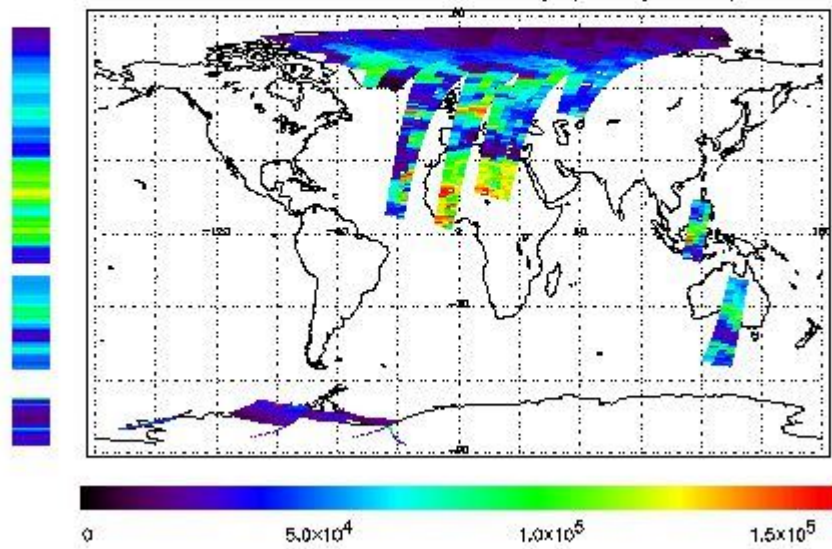
2.2 - Daily Plots

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 : 13-SEP-2010 09:38:34.438 : ORBIT : 80508.3368
 Last Product : 14-SEP-2010 23:53:15.825 : ORBIT : 80531.1471
 Total Products Processed : 18139 Day : 257 Page : 21

778 nm Uncalibrated Intensity (Binary Units)



Ozone Line Ratio

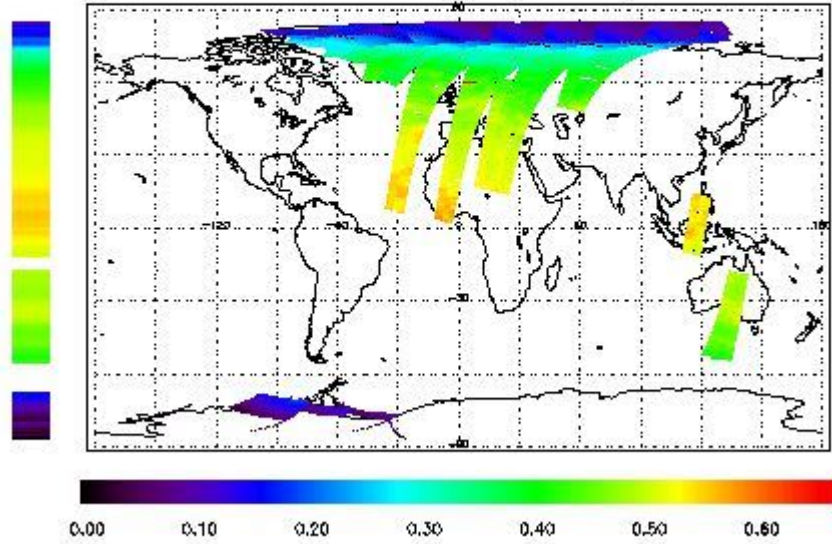
First Product : 13-SEP-2010 09:38:34.438 : ORBIT : 80508.3368

Last Product : 14-SEP-2010 23:53:15.925 : ORBIT : 80531.1471

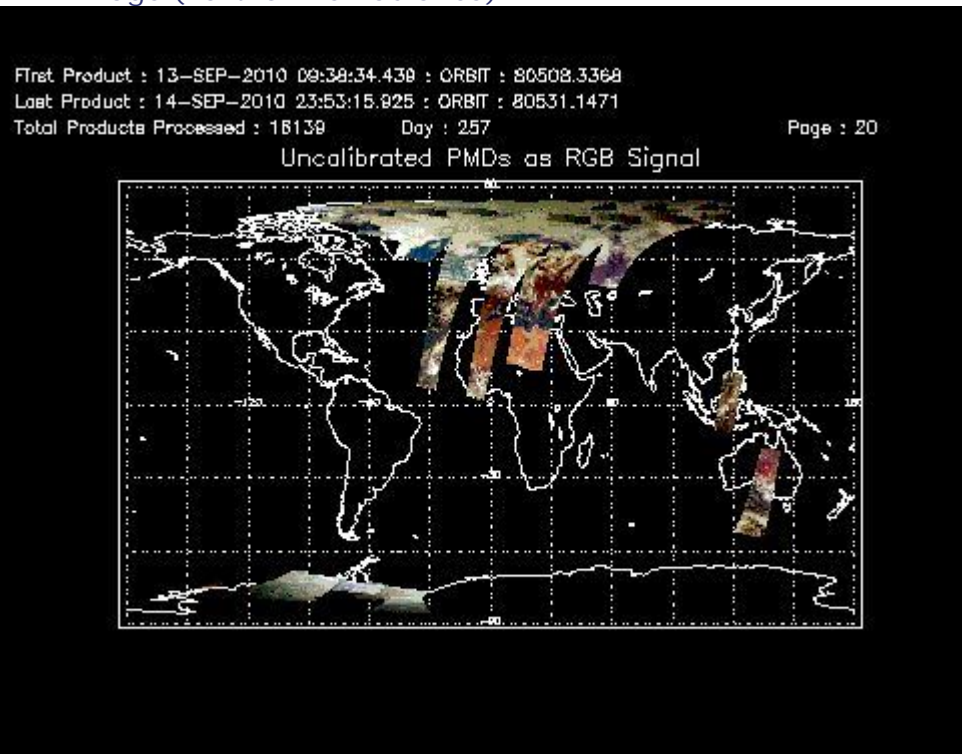
Total Products Processed : 18138 Day : 257

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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	17:18:28.506	--	80527	Yes	--	15043

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
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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
19:00	--	80528	--

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