

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	13-SEP-2010
Start Time of First Product	00:45:10
Stop Time of Last Product	23:37:44
Number of EGOI Products analysed	35
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100913GSEP4891.E2	13-SEP-2010	00:52:37.236
EGOI_100913GSEP4920.E2	13-SEP-2010	02:29:15.322
EGOI_100913GSEP4945.E2	13-SEP-2010	04:09:35.431
EGOI_100913GSEP4952.E2	13-SEP-2010	05:52:01.562
EGOI_100913HLEP7681.E2	13-SEP-2010	01:38:30.013
EGOI_100913HLEP7701.E2	13-SEP-2010	21:50:53.908
EGOI_100913HLEP7708.E2	13-SEP-2010	23:26:15.486
EGOI_100913KSEP5185.E2	13-SEP-2010	06:10:30.170
EGOI_100913KSEP5204.E2	13-SEP-2010	07:50:20.285

EGOI_100913KSEP5225.E2	13-SEP-2010	09:29:56.887
EGOI_100913KSEP5256.E2	13-SEP-2010	11:09:33.498
EGOI_100913KSEP5285.E2	13-SEP-2010	12:48:49.100
EGOI_100913KSEP5325.E2	13-SEP-2010	16:05:24.799
EGOI_100913KSEP5354.E2	13-SEP-2010	17:43:22.397
EGOI_100913KSEP5386.E2	13-SEP-2010	19:21:16.993
EGOI_100913KSEP5407.E2	13-SEP-2010	21:01:19.108
EGOI_100913KSEP5434.E2	13-SEP-2010	22:43:49.731
EGOI_100913MAEP7020.E2	13-SEP-2010	09:38:34.439
EGOI_100913MAEP7035.E2	13-SEP-2010	20:53:55.059
EGOI_100913MAEP7039.E2	13-SEP-2010	20:53:55.061
EGOI_100913MAEP7052.E2	13-SEP-2010	22:36:10.688
EGOI_100913MIEP0670.E2	13-SEP-2010	02:25:55.802
EGOI_100913MIEP0690.E2	13-SEP-2010	04:04:44.404
EGOI_100913MIEP0709.E2	13-SEP-2010	14:46:09.312
EGOI_100913MMEP4930.E2	13-SEP-2010	01:49:10.580
EGOI_100913MMEP4950.E2	13-SEP-2010	15:17:06.500
EGOI_100913MMEP4958.E2	13-SEP-2010	16:56:41.612
EGOI_100913MMEP4965.E2	13-SEP-2010	18:36:19.718
EGOI_100913MMEP4972.E2	13-SEP-2010	20:15:21.822
EGOI_100913MSEP9323.E2	13-SEP-2010	00:45:10.189
EGOI_100913MSEP9342.E2	13-SEP-2010	11:22:39.577
EGOI_100913MSEP9396.E2	13-SEP-2010	22:31:36.160
EGOI_100913SGEP8124.E2	13-SEP-2010	03:06:56.056
EGOI_100913SGEP8133.E2	13-SEP-2010	04:47:10.166
EGOI_100913SGEP8146.E2	13-SEP-2010	15:41:18.650

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	80506	13-SEP-2010	06:09:15.843	06:10:30.169	74.326000
KS	80507	13-SEP-2010	07:48:10.486	07:50:20.285	129.79900
KS	80508	13-SEP-2010	09:27:46.092	09:29:56.887	130.79500
KS	80509	13-SEP-2010	11:07:20.946	11:09:33.498	132.55200
KS	80510	13-SEP-2010	12:46:37.288	12:48:49.099	131.81100
KS	80512	13-SEP-2010	16:03:10.634	16:05:24.798	134.16400
KS	80513	13-SEP-2010	17:41:05.864	17:43:22.397	136.53300
KS	80514	13-SEP-2010	19:19:29.651	19:21:16.993	107.34200
KS	80515	13-SEP-2010	20:59:38.903	21:01:19.108	100.20500
KS	80516	13-SEP-2010	22:42:02.863	22:43:49.731	106.86800
GS	80503	13-SEP-2010	00:51:22.215	00:52:37.235	75.020000
GS	80504	13-SEP-2010	02:28:06.784	02:29:15.321	68.537000

GS	80505	13-SEP-2010	04:07:54.216	04:09:35.430	101.21400
MS	80503	13-SEP-2010	00:43:20.776	00:45:10.189	109.41300
MS	80509	13-SEP-2010	11:20:20.142	11:22:39.576	139.43400
MS	80516	13-SEP-2010	22:29:59.132	22:31:36.160	97.028000
MA	80508	13-SEP-2010	09:35:51.191	09:38:34.439	163.24800
MA	80515	13-SEP-2010	20:51:24.563	20:53:55.058	150.49500
MA	80515	13-SEP-2010	20:51:24.563	20:53:55.060	150.49700
MI	80504	13-SEP-2010	02:23:53.902	02:25:55.802	121.90000
MI	80505	13-SEP-2010	04:01:58.830	04:04:44.403	165.57300
MI	80511	13-SEP-2010	14:44:10.848	14:46:09.312	118.46400
MM	80503	13-SEP-2010	01:48:10.468	01:49:10.580	60.112000
MM	80511	13-SEP-2010	15:15:55.901	15:17:06.500	70.599000
MM	80512	13-SEP-2010	16:55:12.556	16:56:41.611	89.055000
MM	80513	13-SEP-2010	18:34:20.603	18:36:19.718	119.11500
MM	80514	13-SEP-2010	20:13:37.832	20:15:21.821	103.98900
SG	80504	13-SEP-2010	03:04:24.981	03:06:56.055	151.07400
SG	80505	13-SEP-2010	04:45:33.365	04:47:10.166	96.801000
SG	80511	13-SEP-2010	15:39:01.306	15:41:18.649	137.34300

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	80502	12-SEP-2010	23:55:08.670	00:09:38.962	870.29200
MM	80502	13-SEP-2010	00:06:03.120	00:17:27.087	683.96700
HO	80503	13-SEP-2010	01:36:27.765	01:47:54.312	686.54700
BE	80504	13-SEP-2010	02:53:12.077	03:06:35.700	803.62300
MM	80504	13-SEP-2010	03:31:08.407	03:38:18.376	429.96900
CM	80504	13-SEP-2010	04:00:37.638	04:13:02.218	744.58000
BE	80505	13-SEP-2010	04:33:34.076	04:43:43.943	609.86700
MM	80505	13-SEP-2010	05:14:00.532	05:19:47.138	346.60600
MM	80506	13-SEP-2010	06:55:37.189	07:02:33.886	416.69700
JO	80506	13-SEP-2010	06:37:08.203	06:46:24.583	556.38000
MM	80507	13-SEP-2010	08:36:16.969	08:45:34.522	557.55300
MA	80507	13-SEP-2010	07:59:07.282	08:07:05.947	478.66500
JO	80507	13-SEP-2010	08:12:49.802	08:27:51.290	901.48800
MM	80508	13-SEP-2010	10:16:33.112	10:27:47.979	674.86700

JO	80508	13-SEP-2010	09:55:33.883	10:04:34.026	540.14300
MM	80509	13-SEP-2010	11:56:35.131	12:08:56.916	741.78500
MA	80509	13-SEP-2010	11:16:39.222	11:25:26.188	526.96600
MM	80510	13-SEP-2010	13:36:23.342	13:49:06.821	763.47900
MS	80510	13-SEP-2010	13:00:48.428	13:10:49.332	600.90400
SG	80510	13-SEP-2010	14:03:05.243	14:10:40.585	455.34200
BE	80511	13-SEP-2010	14:09:49.230	14:23:14.127	804.89700
KS	80511	13-SEP-2010	14:25:25.330	14:37:03.954	698.62400
GS	80511	13-SEP-2010	14:37:13.497	14:48:09.176	655.67900
SG	80511	13-SEP-2010	15:39:01.306	15:52:48.023	826.71700
BE	80512	13-SEP-2010	15:52:36.330	16:00:37.298	480.96800
MI	80512	13-SEP-2010	16:21:53.210	16:34:59.109	785.89900
GS	80512	13-SEP-2010	16:15:57.959	16:29:47.523	829.56400
CM	80512	13-SEP-2010	16:24:35.740	16:37:00.948	745.20800
GS	80513	13-SEP-2010	17:56:30.024	18:06:04.745	574.72100
CM	80513	13-SEP-2010	18:08:27.019	18:10:30.029	123.01000
MA	80514	13-SEP-2010	19:16:24.881	19:24:43.808	498.92700
JO	80514	13-SEP-2010	20:32:55.330	20:47:52.655	897.32500
HO	80515	13-SEP-2010	21:48:52.717	21:57:36.764	524.04700
MM	80515	13-SEP-2010	21:53:27.821	22:06:03.244	755.42300
HO	80516	13-SEP-2010	23:24:07.232	23:38:20.656	853.42400
MM	80516	13-SEP-2010	23:34:10.812	23:45:59.732	708.92000

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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

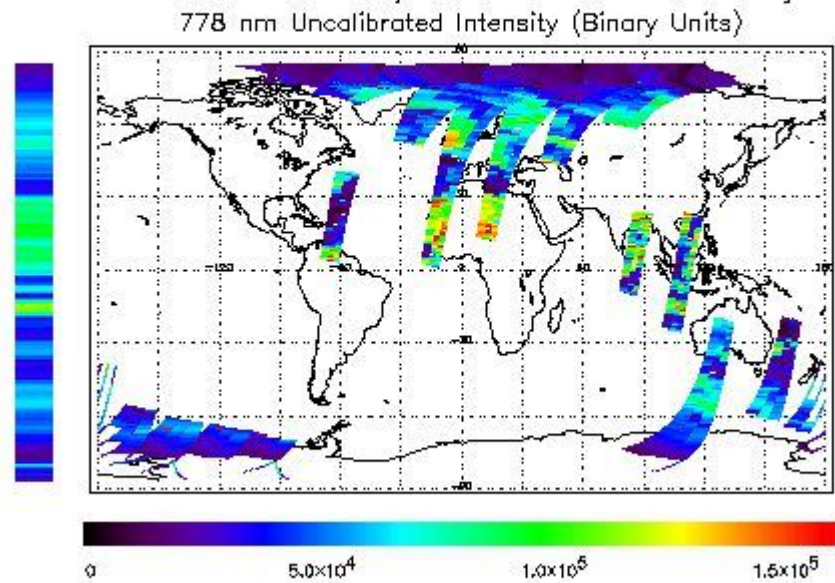
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	OK
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	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 : 13-SEP-2010 00:45:10.188 : ORBIT : 80503.0345
 Last Product : 13-SEP-2010 23:37:44.058 : ORBIT : 80516.6784
 Total Products Processed : 17212 Day : 258 Page : 21

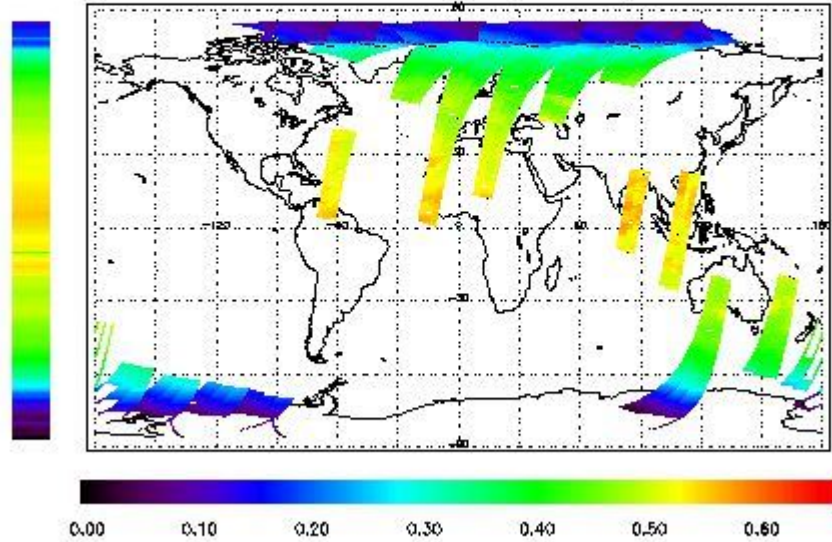


Ozone Line Ratio

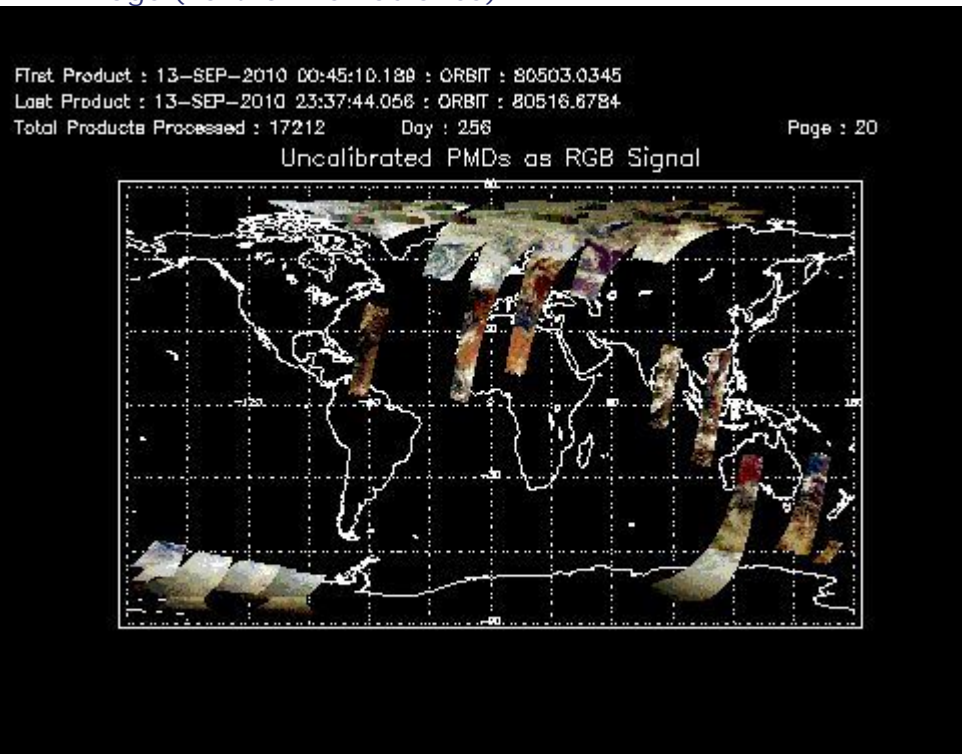
First Product : 13-SEP-2010 00:45:10.188 : ORBIT : 80503.0345
 Last Product : 13-SEP-2010 23:37:44.056 : ORBIT : 80516.6784
 Total Products Processed : 17212 Day : 256

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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	17:49:56.936	--	80513	Yes	--	15066

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
01:00	--	80388	--

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