

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	27-SEP-2010
Start Time of First Product	00:03:13.722
Stop Time of Last Product	23:44:52.428
Number of EGOI Products analysed	34
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100927GSEP5877.E2	27-SEP-2010	01:49:59.376
EGOI_100927GSEP5906.E2	27-SEP-2010	03:28:47.983
EGOI_100927GSEP5914.E2	27-SEP-2010	05:11:36.610
EGOI_100927HLEP7760.E2	27-SEP-2010	11:28:59.925
EGOI_100927HLEP7769.E2	27-SEP-2010	13:11:05.047
EGOI_100927HLEP7777.E2	27-SEP-2010	14:49:31.147
EGOI_100927HLEP7782.E2	27-SEP-2010	22:47:29.572
EGOI_100927KSEP8760.E2	27-SEP-2010	07:10:08.835
EGOI_100927KSEP8779.E2	27-SEP-2010	08:50:09.445

EGOI_100927KSEP8805.E2	27-SEP-2010	10:29:50.556
EGOI_100927KSEP8833.E2	27-SEP-2010	12:09:15.163
EGOI_100927KSEP8846.E2	27-SEP-2010	13:48:14.275
EGOI_100927KSEP8871.E2	27-SEP-2010	15:26:41.878
EGOI_100927KSEP8897.E2	27-SEP-2010	17:04:07.973
EGOI_100927KSEP8927.E2	27-SEP-2010	18:42:07.072
EGOI_100927KSEP8952.E2	27-SEP-2010	20:21:10.679
EGOI_100927KSEP8979.E2	27-SEP-2010	22:02:51.802
EGOI_100927MAEP7576.E2	27-SEP-2010	08:57:46.997
EGOI_100927MAEP7589.E2	27-SEP-2010	10:37:17.603
EGOI_100927MAEP7610.E2	27-SEP-2010	20:14:33.140
EGOI_100927MAEP7628.E2	27-SEP-2010	21:54:32.251
EGOI_100927MIEP1812.E2	27-SEP-2010	01:49:23.372
EGOI_100927MIEP1836.E2	27-SEP-2010	03:24:19.456
EGOI_100927MIEP1860.E2	27-SEP-2010	05:06:53.082
EGOI_100927MMEP5609.E2	27-SEP-2010	11:17:56.853
EGOI_100927MMEP5617.E2	27-SEP-2010	12:57:46.961
EGOI_100927MMEP5626.E2	27-SEP-2010	14:37:25.072
EGOI_100927MSEP0969.E2	27-SEP-2010	00:03:13.722
EGOI_100927MSEP0989.E2	27-SEP-2010	10:43:43.139
EGOI_100927MSEP1017.E2	27-SEP-2010	12:22:34.746
EGOI_100927MSEP1039.E2	27-SEP-2010	21:53:39.747
EGOI_100927MSEP1057.E2	27-SEP-2010	23:31:26.850
EGOI_100927SGEP8411.E2	27-SEP-2010	15:02:56.733
EGOI_100927SGEP8416.E2	27-SEP-2010	16:43:01.844

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	80707	27-SEP-2010	07:08:26.112	07:10:08.834	102.72200
KS	80708	27-SEP-2010	08:47:54.813	08:50:09.444	134.63100
KS	80709	27-SEP-2010	10:27:32.243	10:29:50.556	138.31300
KS	80710	27-SEP-2010	12:06:58.166	12:09:15.163	136.99700
KS	80711	27-SEP-2010	13:45:54.169	13:48:14.274	140.10500
KS	80712	27-SEP-2010	15:24:04.925	15:26:41.878	156.95300
KS	80713	27-SEP-2010	17:01:47.065	17:04:07.973	140.90800
KS	80714	27-SEP-2010	18:39:54.883	18:42:07.072	132.18900
KS	80715	27-SEP-2010	20:19:21.351	20:21:10.678	109.32700
KS	80716	27-SEP-2010	22:00:46.054	22:02:51.801	125.74700
KS	80717	27-SEP-2010	23:45:03.262	23:46:29.940	86.678000
GS	80704	27-SEP-2010	01:48:20.584	01:49:59.375	98.791000

GS	80705	27-SEP-2010	03:27:03.983	03:28:47.982	103.99900
MS	80703	27-SEP-2010	00:01:10.535	00:03:13.722	123.18700
MS	80709	27-SEP-2010	10:41:22.007	10:43:43.138	141.13100
MS	80710	27-SEP-2010	12:20:09.512	12:22:34.745	145.23300
MS	80716	27-SEP-2010	21:51:51.566	21:53:39.747	108.18100
MS	80717	27-SEP-2010	23:29:13.237	23:31:26.849	133.61200
MA	80709	27-SEP-2010	10:35:32.500	10:37:17.603	105.10300
MA	80715	27-SEP-2010	20:11:59.715	20:14:33.139	153.42400
MA	80716	27-SEP-2010	21:52:54.123	21:54:32.250	98.127000
MI	80704	27-SEP-2010	01:47:35.463	01:49:23.371	107.90800
MI	80705	27-SEP-2010	03:21:56.220	03:24:19.455	143.23500
MI	80706	27-SEP-2010	05:04:57.307	05:06:53.082	115.77500
MM	80709	27-SEP-2010	11:16:35.912	11:17:56.852	80.940000
MM	80710	27-SEP-2010	12:56:29.821	12:57:46.961	77.140000
MM	80711	27-SEP-2010	14:36:08.869	14:37:25.072	76.203000
SG	80711	27-SEP-2010	14:59:32.893	15:02:56.732	203.83900
SG	80712	27-SEP-2010	16:40:25.429	16:43:01.843	156.41400

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	80703	27-SEP-2010	00:55:21.546	01:09:00.232	818.68600
MM	80703	27-SEP-2010	01:07:11.988	01:17:34.001	622.01300
KS	80703	27-SEP-2010	00:19:08.034	00:22:13.762	185.72800
BE	80704	27-SEP-2010	02:13:45.563	02:26:14.534	748.97100
MM	80704	27-SEP-2010	02:49:53.563	02:57:59.923	486.36000
SG	80704	27-SEP-2010	02:26:01.547	02:37:04.768	663.22100
BE	80705	27-SEP-2010	03:53:06.529	04:05:32.594	746.06500
MM	80705	27-SEP-2010	04:32:58.070	04:39:02.177	364.10700
SG	80705	27-SEP-2010	04:04:09.140	04:17:09.924	780.78400
CM	80705	27-SEP-2010	03:21:41.266	03:32:48.808	667.54200
CM	80705	27-SEP-2010	05:01:21.802	05:11:32.944	611.14200
MM	80706	27-SEP-2010	06:15:08.126	06:21:20.438	372.31200
MM	80707	27-SEP-2010	07:56:05.054	08:04:25.748	500.69400
JO	80707	27-SEP-2010	07:33:39.415	07:47:50.738	851.32300
MM	80708	27-SEP-2010	09:36:28.553	09:47:02.067	633.51400

JO	80708	27-SEP-2010	09:13:23.086	09:26:43.723	800.63700
HO	80709	27-SEP-2010	11:26:47.399	11:38:07.307	679.90800
HO	80710	27-SEP-2010	13:05:03.806	13:19:53.130	889.32400
HO	80711	27-SEP-2010	14:45:30.911	14:55:43.007	612.09600
GS	80711	27-SEP-2010	13:58:56.400	14:06:24.181	447.78100
SG	80711	27-SEP-2010	14:59:32.893	15:12:58.604	805.71100
BE	80712	27-SEP-2010	15:10:30.470	15:22:18.339	707.86900
MM	80712	27-SEP-2010	16:15:31.581	16:28:05.353	753.77200
MI	80712	27-SEP-2010	15:42:08.473	15:55:22.733	794.26000
GS	80712	27-SEP-2010	15:36:12.640	15:50:00.829	828.18900
CM	80712	27-SEP-2010	15:45:26.865	15:56:41.137	674.27200
MM	80713	27-SEP-2010	17:54:41.504	18:07:14.066	752.56200
MI	80713	27-SEP-2010	17:22:58.625	17:32:10.715	552.09000
GS	80713	27-SEP-2010	17:16:03.276	17:28:09.123	725.84700
CM	80713	27-SEP-2010	17:25:06.592	17:35:11.538	604.94600
MM	80714	27-SEP-2010	19:33:52.336	19:46:33.215	760.87900
JO	80714	27-SEP-2010	19:53:44.887	20:07:23.396	818.50900
MM	80715	27-SEP-2010	21:13:26.445	21:26:08.607	762.16200
JO	80715	27-SEP-2010	21:32:49.875	21:46:48.569	838.69400
HO	80716	27-SEP-2010	22:45:17.834	22:58:18.156	780.32200
MM	80716	27-SEP-2010	22:53:46.267	23:05:59.509	733.24200

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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

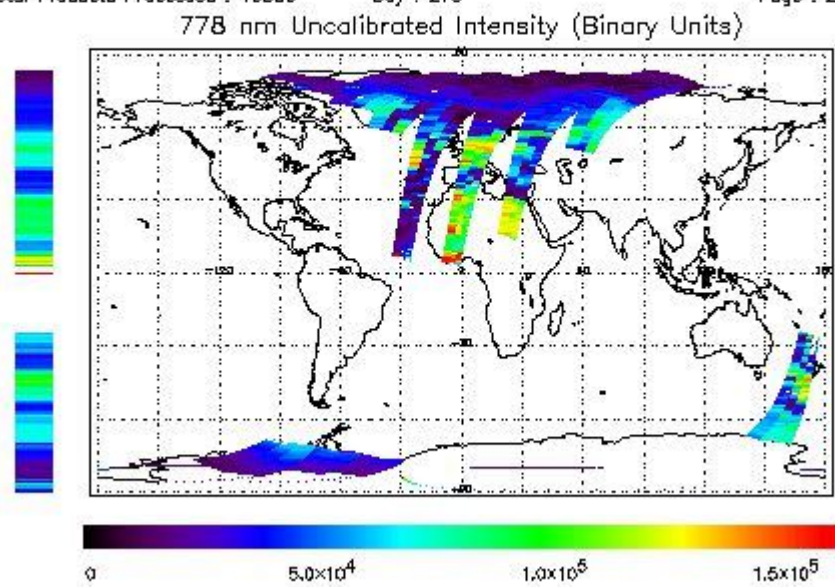
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	Polar View operated
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperatures B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration 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 : 27-SEP-2010 00:03:13.722 : ORBIT : 80703.0175
 Last Product : 27-SEP-2010 23:44:52.428 : ORBIT : 80717.1494
 Total Products Processed : 18550 Day : 270 Page : 21

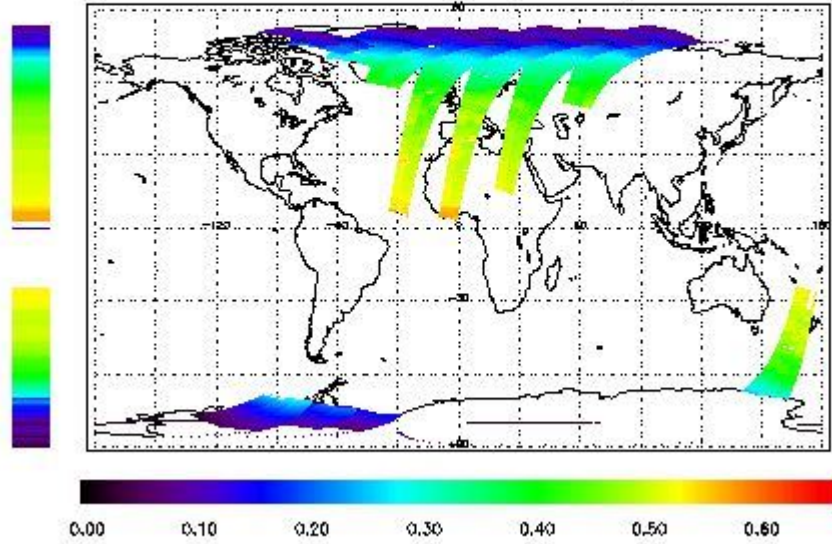


Ozone Line Ratio

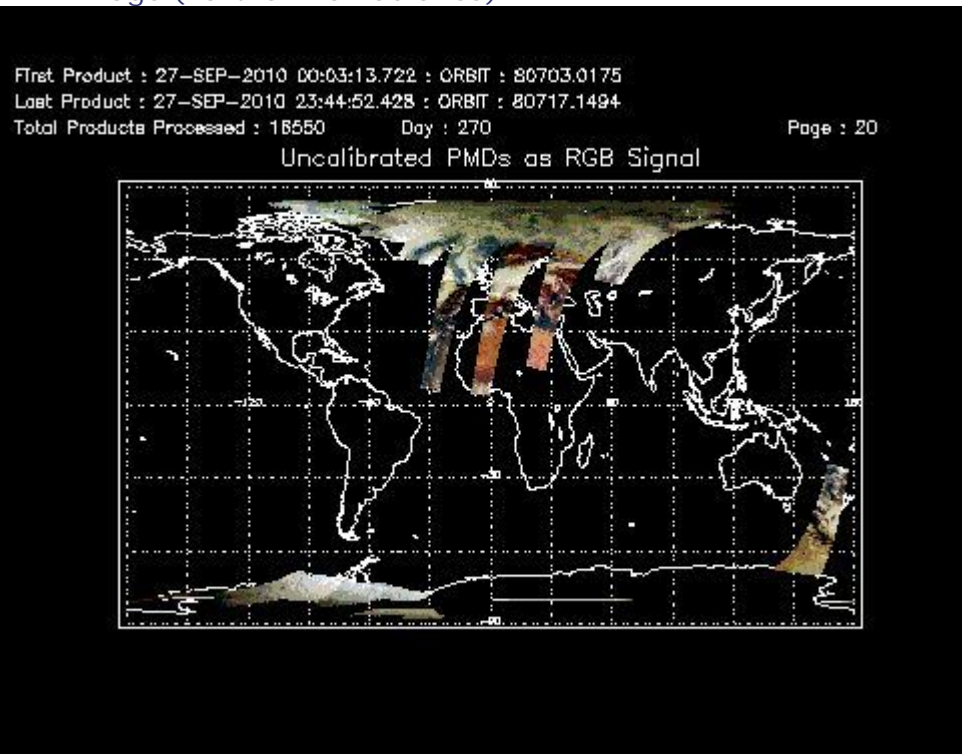
First Product : 27-SEP-2010 00:03:13.722 : ORBIT : 80703.0175
 Last Product : 27-SEP-2010 23:44:52.428 : ORBIT : 80717.1494
 Total Products Processed : 18550 Day : 270

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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	17:11:29.016	--	80713	Yes	--	15120

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
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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
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