

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	28-SEP-2010
Start Time of First Product	27-SEP-2010 23:46:29.940
Stop Time of Last Product	23:23:59.607
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_100928GSEP5940.E2	28-SEP-2010	01:19:57.508
EGOI_100928GSEP5972.E2	28-SEP-2010	02:57:13.103
EGOI_100928GSEP5994.E2	28-SEP-2010	04:39:25.729
EGOI_100928GSEP6000.E2	28-SEP-2010	06:21:24.852
EGOI_100928HLEP7790.E2	28-SEP-2010	00:25:36.175
EGOI_100928HLEP7803.E2	28-SEP-2010	10:59:26.551
EGOI_100928HLEP7810.E2	28-SEP-2010	14:15:48.753
EGOI_100928HLEP7820.E2	28-SEP-2010	22:17:33.699
EGOI_100928KSEP9002.E2	27-SEP-2010	23:46:29.940

EGOI_100928KSEP9015.E2	28-SEP-2010	06:38:53.462
EGOI_100928KSEP9034.E2	28-SEP-2010	08:18:51.073
EGOI_100928KSEP9053.E2	28-SEP-2010	09:58:30.678
EGOI_100928KSEP9074.E2	28-SEP-2010	11:38:07.285
EGOI_100928KSEP9091.E2	28-SEP-2010	13:17:09.392
EGOI_100928KSEP9100.E2	28-SEP-2010	14:55:51.999
EGOI_100928KSEP9127.E2	28-SEP-2010	16:33:30.094
EGOI_100928KSEP9157.E2	28-SEP-2010	18:11:26.193
EGOI_100928KSEP9182.E2	28-SEP-2010	19:49:49.299
EGOI_100928KSEP9203.E2	28-SEP-2010	21:30:25.914
EGOI_100928KSEP9228.E2	28-SEP-2010	23:13:22.045
EGOI_100928MAEP7638.E2	28-SEP-2010	08:27:18.124
EGOI_100928MAEP7649.E2	28-SEP-2010	10:05:57.727
EGOI_100928MAEP7666.E2	28-SEP-2010	21:22:43.870
EGOI_100928MIEP1916.E2	28-SEP-2010	02:53:19.080
EGOI_100928MIEP1933.E2	28-SEP-2010	04:33:24.191
EGOI_100928MMEP5669.E2	28-SEP-2010	00:36:22.742
EGOI_100928MMEP5681.E2	28-SEP-2010	07:25:17.744
EGOI_100928MMEP5688.E2	28-SEP-2010	20:43:46.628
EGOI_100928MSEP1074.E2	28-SEP-2010	10:13:39.773
EGOI_100928MSEP1103.E2	28-SEP-2010	11:51:02.864
EGOI_100928MSEP1124.E2	28-SEP-2010	13:32:52.987
EGOI_100928MSEP1140.E2	28-SEP-2010	21:24:34.882
EGOI_100928MSEP1172.E2	28-SEP-2010	22:59:47.462
EGOI_100928SGEP8421.E2	28-SEP-2010	02:00:30.758
EGOI_100928SGEP8426.E2	28-SEP-2010	03:34:31.330
EGOI_100928SGEP8431.E2	28-SEP-2010	16:10:40.457

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	80721	28-SEP-2010	06:37:19.704	06:38:53.461	93.757000
KS	80722	28-SEP-2010	08:16:36.626	08:18:51.073	134.44700
KS	80723	28-SEP-2010	09:56:14.072	09:58:30.678	136.60600
KS	80724	28-SEP-2010	11:35:45.446	11:38:07.285	141.83900
KS	80725	28-SEP-2010	13:14:53.005	13:17:09.392	136.38700
KS	80726	28-SEP-2010	14:53:31.292	14:55:51.999	140.70700
KS	80727	28-SEP-2010	16:31:09.098	16:33:30.094	140.99600
KS	80728	28-SEP-2010	18:08:58.102	18:11:26.192	148.09000
KS	80729	28-SEP-2010	19:47:55.184	19:49:49.298	114.11400
KS	80730	28-SEP-2010	21:28:38.603	21:30:25.914	107.31100
KS	80731	28-SEP-2010	23:11:51.266	23:13:22.044	90.778000

GS	80718	28-SEP-2010	01:18:14.768	01:19:57.508	102.74000
GS	80719	28-SEP-2010	02:55:33.869	02:57:13.102	99.233000
GS	80720	28-SEP-2010	04:37:46.988	04:39:25.728	98.740000
MS	80723	28-SEP-2010	10:11:18.488	10:13:39.772	141.28400
MS	80724	28-SEP-2010	11:48:38.215	11:51:02.863	144.64800
MS	80731	28-SEP-2010	22:57:55.168	22:59:47.461	112.29300
MA	80722	28-SEP-2010	08:25:36.266	08:27:18.124	101.85800
MA	80723	28-SEP-2010	10:04:17.074	10:05:57.727	100.65300
MA	80730	28-SEP-2010	21:20:18.114	21:22:43.869	145.75500
MI	80719	28-SEP-2010	02:51:12.204	02:53:19.080	126.87600
MI	80720	28-SEP-2010	04:31:19.734	04:33:24.191	124.45700
MM	80717	28-SEP-2010	00:35:07.266	00:36:22.742	75.476000
MM	80729	28-SEP-2010	20:42:04.904	20:43:46.628	101.72400
SG	80719	28-SEP-2010	03:32:34.729	03:34:31.330	116.60100
SG	80726	28-SEP-2010	16:07:51.482	16:10:40.457	168.97500

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	80717	28-SEP-2010	00:23:24.215	00:38:02.356	878.14100
BE	80718	28-SEP-2010	01:43:12.880	01:53:46.467	633.58700
HO	80718	28-SEP-2010	02:07:51.852	02:13:39.961	348.10900
MM	80718	28-SEP-2010	02:17:31.903	02:26:23.570	531.66700
BE	80719	28-SEP-2010	03:21:37.646	03:34:53.640	795.99400
MM	80719	28-SEP-2010	04:00:36.265	04:07:10.549	394.28400
CM	80719	28-SEP-2010	02:52:14.013	03:00:18.995	484.98200
CM	80719	28-SEP-2010	04:29:10.264	04:41:12.741	722.47700
MM	80720	28-SEP-2010	05:43:11.040	05:49:02.376	351.33600
JO	80721	28-SEP-2010	07:03:36.816	07:15:57.885	741.06900
MM	80722	28-SEP-2010	09:04:57.566	09:14:53.130	595.56400
JO	80722	28-SEP-2010	08:41:22.659	08:56:05.178	882.51900
MM	80723	28-SEP-2010	10:45:09.319	10:56:48.601	699.28200
MM	80724	28-SEP-2010	12:25:07.531	12:37:39.474	751.94300
MA	80724	28-SEP-2010	11:45:54.591	11:52:02.066	367.47500
HO	80725	28-SEP-2010	14:13:43.467	14:26:38.786	775.31900
MM	80725	28-SEP-2010	14:04:51.465	14:17:35.316	763.85100

SG	80725	28-SEP-2010	14:29:21.923	14:40:54.415	692.49200
BE	80726	28-SEP-2010	14:38:27.169	14:51:30.359	783.19000
MM	80726	28-SEP-2010	15:44:19.302	15:56:55.672	756.37000
MI	80726	28-SEP-2010	15:11:26.344	15:23:29.862	723.51800
GS	80726	28-SEP-2010	15:05:11.099	15:18:13.918	782.81900
SG	80726	28-SEP-2010	16:07:51.482	16:20:36.326	764.84400
CM	80726	28-SEP-2010	15:15:43.621	15:23:48.358	484.73700
MM	80727	28-SEP-2010	17:23:32.296	17:36:03.878	751.58200
MI	80727	28-SEP-2010	16:50:41.976	17:02:37.290	715.31400
GS	80727	28-SEP-2010	16:44:30.652	16:57:46.850	796.19800
CM	80727	28-SEP-2010	16:53:07.824	17:05:05.452	717.62800
MM	80728	28-SEP-2010	19:02:40.715	19:15:18.687	757.97200
JO	80728	28-SEP-2010	19:23:40.546	19:34:38.893	658.34700
MA	80729	28-SEP-2010	19:41:33.374	19:53:48.579	735.20500
JO	80729	28-SEP-2010	21:01:17.582	21:16:12.160	894.57800
HO	80730	28-SEP-2010	22:15:19.634	22:26:43.828	684.19400
MM	80730	28-SEP-2010	22:22:08.275	22:34:35.124	746.84900
JO	80730	28-SEP-2010	22:43:41.016	22:50:33.591	412.57500
HO	80731	28-SEP-2010	23:52:19.126	00:06:48.355	869.22900

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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

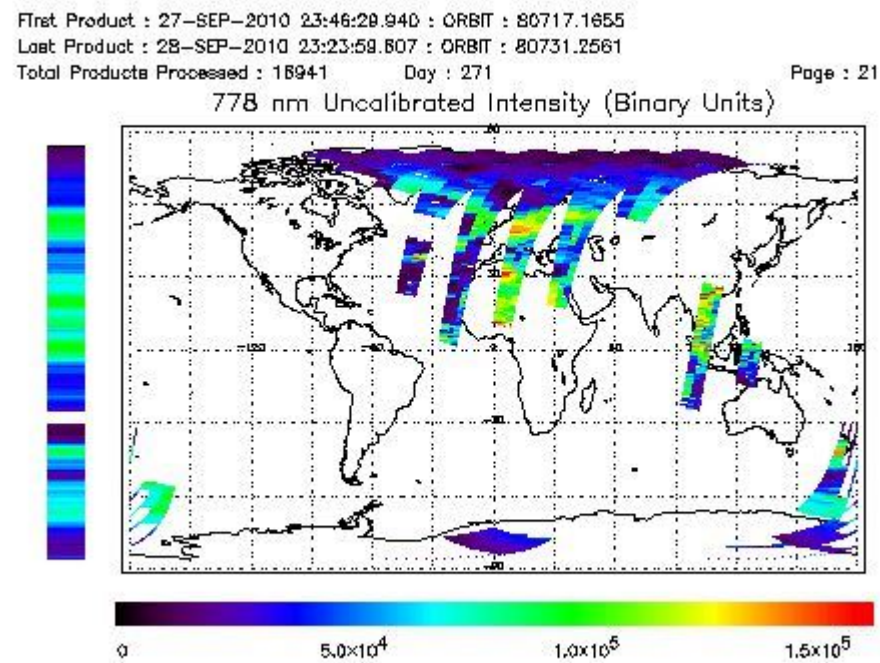
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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



Ozone Line Ratio

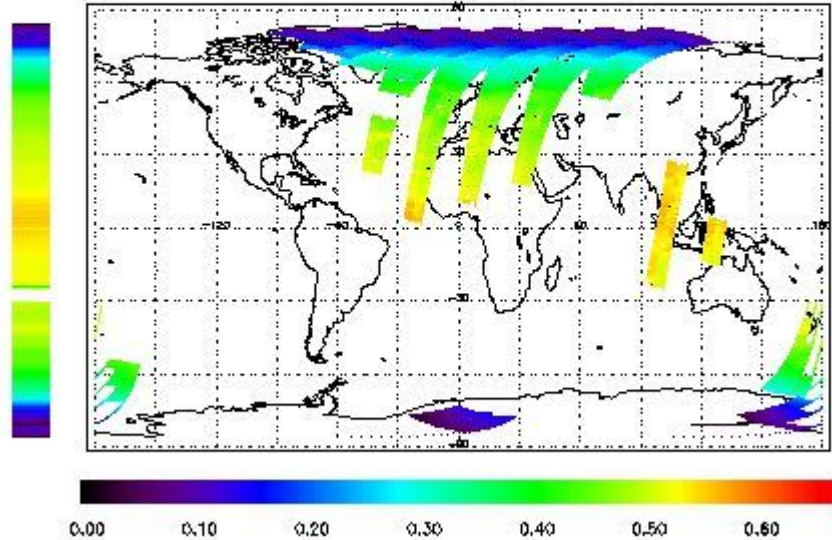
First Product : 27-SEP-2010 23:46:20.940 : ORBIT : 80717.1655

Last Product : 28-SEP-2010 23:23:59.807 : ORBIT : 80731.2561

Total Products Processed : 18941 Day : 271

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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	20:01:07.369	--	80729	Yes	--	15136

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
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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
--	--	--	--	--

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