

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	29-OCT-2009
Start Time of First Product	01:17:34
Stop Time of Last Product	23:21:26
Number of EGOI Products analysed	38
Number of corrupted products	--
Anomalies and/or Special Operations	By mistake, GOME quarterly calibration continued also today

1.2 - List of received products

Name	Date	Time
OI_091029BEEP1043.E2;1	29-OCT-2009	03:21:20.583
EGOI_091029GSEP1775.E2	29-OCT-2009	01:17:34.812
EGOI_091029GSEP1807.E2	29-OCT-2009	02:54:35.411
EGOI_091029GSEP1835.E2	29-OCT-2009	04:36:39.045
EGOI_091029GSEP1842.E2	29-OCT-2009	06:18:45.677
EGOI_091029KSEP3841.E2	29-OCT-2009	06:36:20.289
EGOI_091029KSEP3862.E2	29-OCT-2009	08:16:16.409
EGOI_091029KSEP3884.E2	29-OCT-2009	09:55:56.028
EGOI_091029KSEP3909.E2	29-OCT-2009	11:35:32.648

EGOI_091029KSEP3930.E2	29-OCT-2009	13:14:36.262
EGOI_091029KSEP3941.E2	29-OCT-2009	14:53:18.874
EGOI_091029KSEP3961.E2	29-OCT-2009	16:30:58.480
EGOI_091029KSEP3992.E2	29-OCT-2009	18:08:57.587
EGOI_091029KSEP4027.E2	29-OCT-2009	19:47:13.200
EGOI_091029KSEP4057.E2	29-OCT-2009	21:27:43.828
EGOI_091029KSEP4086.E2	29-OCT-2009	23:10:39.966
EGOI_091029MAEP5408.E2	29-OCT-2009	08:24:40.456
EGOI_091029MAEP5423.E2	29-OCT-2009	10:03:20.071
EGOI_091029MAEP5442.E2	29-OCT-2009	21:20:07.781
EGOI_091029MIEP2802.E2	29-OCT-2009	02:50:54.891
EGOI_091029MIEP2829.E2	29-OCT-2009	04:30:43.510
EGOI_091029MIEP2857.E2	29-OCT-2009	15:11:02.479
EGOI_091029MIEP2886.E2	29-OCT-2009	16:50:13.598
EGOI_091029MMEP0415.E2	29-OCT-2009	02:15:53.176
EGOI_091029MMEP0422.E2	29-OCT-2009	03:58:41.810
EGOI_091029MMEP0435.E2	29-OCT-2009	15:43:05.679
EGOI_091029MMEP0443.E2	29-OCT-2009	17:23:13.802
EGOI_091029MMEP0450.E2	29-OCT-2009	20:41:10.538
EGOI_091029MMEP0460.E2	29-OCT-2009	22:21:23.157
EGOI_091029MSEP2231.E2	29-OCT-2009	10:11:12.619
EGOI_091029MSEP2261.E2	29-OCT-2009	11:48:25.222
EGOI_091029MSEP2283.E2	29-OCT-2009	13:30:04.856
EGOI_091029MSEP2296.E2	29-OCT-2009	21:22:18.296
EGOI_091029MSEP2328.E2	29-OCT-2009	22:57:08.384
EGOI_091029SGEP0801.E2	29-OCT-2009	01:57:51.562
EGOI_091029SGEP0808.E2	29-OCT-2009	03:32:47.654
EGOI_091029SGEP0816.E2	29-OCT-2009	14:29:12.721
EGOI_091029SGEP0823.E2	29-OCT-2009	16:07:52.336

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75940	29-OCT-2009	06:34:30.565	06:36:20.289	109.72400
KS	75941	29-OCT-2009	08:13:45.940	08:16:16.408	150.46800
KS	75942	29-OCT-2009	09:53:23.290	09:55:56.028	152.73800
KS	75943	29-OCT-2009	11:32:55.073	11:35:32.647	157.57400
KS	75944	29-OCT-2009	13:12:03.585	13:14:36.262	152.67700
KS	75945	29-OCT-2009	14:50:43.083	14:53:18.874	155.79100
KS	75946	29-OCT-2009	16:28:22.198	16:30:58.479	156.28100
KS	75947	29-OCT-2009	18:06:09.646	18:08:57.586	167.94000
KS	75948	29-OCT-2009	19:45:04.252	19:47:13.199	128.94700

KS	75949	29-OCT-2009	21:25:44.115	21:27:43.828	119.71300
KS	75950	29-OCT-2009	23:08:51.586	23:10:39.966	108.38000
GS	75937	29-OCT-2009	01:15:32.131	01:17:34.811	122.68000
GS	75938	29-OCT-2009	02:52:43.376	02:54:35.411	112.03500
GS	75939	29-OCT-2009	04:34:45.470	04:36:39.045	113.57500
MS	75942	29-OCT-2009	10:08:38.763	10:11:12.619	153.85600
MS	75943	29-OCT-2009	11:45:49.136	11:48:25.221	156.08500
MS	75944	29-OCT-2009	13:27:40.105	13:30:04.855	144.75000
MS	75950	29-OCT-2009	22:55:06.205	22:57:08.384	122.17900
MA	75941	29-OCT-2009	08:22:51.461	08:24:40.455	108.99400
MA	75942	29-OCT-2009	10:01:25.952	10:03:20.070	114.11800
MA	75949	29-OCT-2009	21:17:25.249	21:20:07.780	162.53100
MI	75938	29-OCT-2009	02:48:26.575	02:50:54.890	148.31500
MI	75939	29-OCT-2009	04:28:21.464	04:30:43.509	142.04500
MI	75945	29-OCT-2009	15:08:40.688	15:11:02.479	141.79100
MI	75946	29-OCT-2009	16:47:48.007	16:50:13.597	145.59000
MM	75937	29-OCT-2009	02:14:35.579	02:15:53.175	77.596000
MM	75938	29-OCT-2009	03:57:39.545	03:58:41.810	62.265000
MM	75945	29-OCT-2009	15:41:29.019	15:43:05.678	96.659000
MM	75946	29-OCT-2009	17:20:42.347	17:23:13.801	151.45400
MM	75948	29-OCT-2009	20:39:14.058	20:41:10.537	116.47900
MM	75949	29-OCT-2009	22:19:16.021	22:21:23.156	127.13500
BE	75938	29-OCT-2009	03:18:46.591	03:21:20.583	153.99200
SG	75938	29-OCT-2009	03:29:44.373	03:32:47.653	183.28000
SG	75938	29-OCT-2009	03:42:17.703	03:43:37.315	79.612000
SG	75944	29-OCT-2009	14:26:40.285	14:29:12.720	152.43500
SG	75945	29-OCT-2009	16:04:56.853	16:07:52.335	175.48200

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	75936	29-OCT-2009	00:20:34.115	00:35:12.185	878.07000
MM	75936	29-OCT-2009	00:32:12.607	00:43:12.273	659.66600
HO	75937	29-OCT-2009	02:04:47.916	02:12:07.010	439.09400
CM	75938	29-OCT-2009	02:49:38.510	02:57:17.351	458.84100
CM	75938	29-OCT-2009	04:26:17.346	04:38:24.997	727.65100

MM	75939	29-OCT-2009	05:40:16.327	05:46:06.539	350.21200
MM	75940	29-OCT-2009	07:21:33.827	07:29:05.276	451.44900
JO	75940	29-OCT-2009	07:00:55.357	07:13:02.432	727.07500
MM	75941	29-OCT-2009	09:02:05.575	09:11:57.475	591.90000
JO	75941	29-OCT-2009	08:38:30.065	08:53:16.635	886.57000
MM	75942	29-OCT-2009	10:42:17.745	10:53:54.782	697.03700
MM	75943	29-OCT-2009	12:22:16.341	12:34:47.428	751.08700
MA	75943	29-OCT-2009	11:42:55.031	11:49:28.172	393.14100
BE	75944	29-OCT-2009	12:57:21.424	13:08:49.660	688.23600
MM	75944	29-OCT-2009	14:02:00.710	14:14:44.606	763.89600
SG	75944	29-OCT-2009	14:26:40.285	14:37:56.735	676.45000
BE	75945	29-OCT-2009	14:35:34.169	14:48:41.332	787.16300
GS	75945	29-OCT-2009	15:02:22.588	15:15:18.992	776.40400
CM	75945	29-OCT-2009	15:13:06.924	15:20:43.236	456.31200
GS	75946	29-OCT-2009	16:41:39.060	16:54:59.868	800.80800
CM	75946	29-OCT-2009	16:50:15.381	17:02:18.645	723.26400
MM	75947	29-OCT-2009	18:59:50.655	19:12:28.355	757.70000
GS	75947	29-OCT-2009	18:22:50.797	18:29:51.194	420.39700
JO	75947	29-OCT-2009	19:20:59.701	19:31:36.532	636.83100
MA	75948	29-OCT-2009	19:38:48.827	19:50:55.073	726.24600
JO	75948	29-OCT-2009	20:58:26.592	21:13:23.464	896.87200
HO	75949	29-OCT-2009	22:12:38.582	22:23:50.148	671.56600
JO	75949	29-OCT-2009	22:40:35.775	22:48:04.250	448.47500
HO	75950	29-OCT-2009	23:49:30.004	00:03:57.669	867.66500

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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	South Polar View operations
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

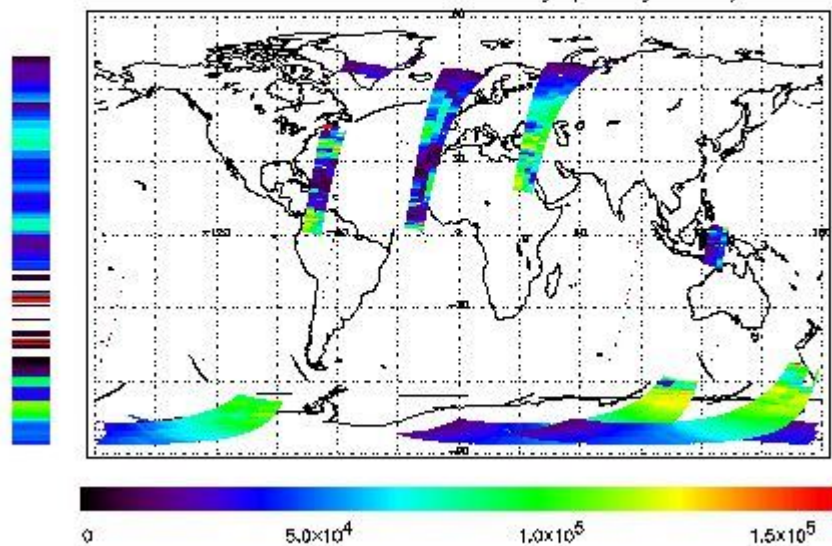
2.2 - Daily Plots

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 : 29-OCT-2009 01:17:34.812 : ORBIT : 75937.0995
 Last Product : 29-OCT-2009 23:21:26.532 : ORBIT : 75950.2593
 Total Products Processed : 18067 Day : 302 Page : 21

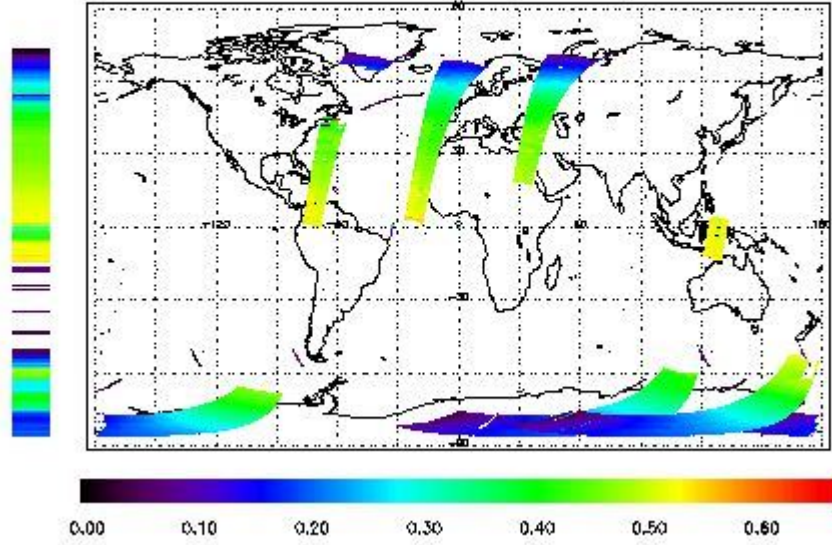
778 nm Uncalibrated Intensity (Binary Units)



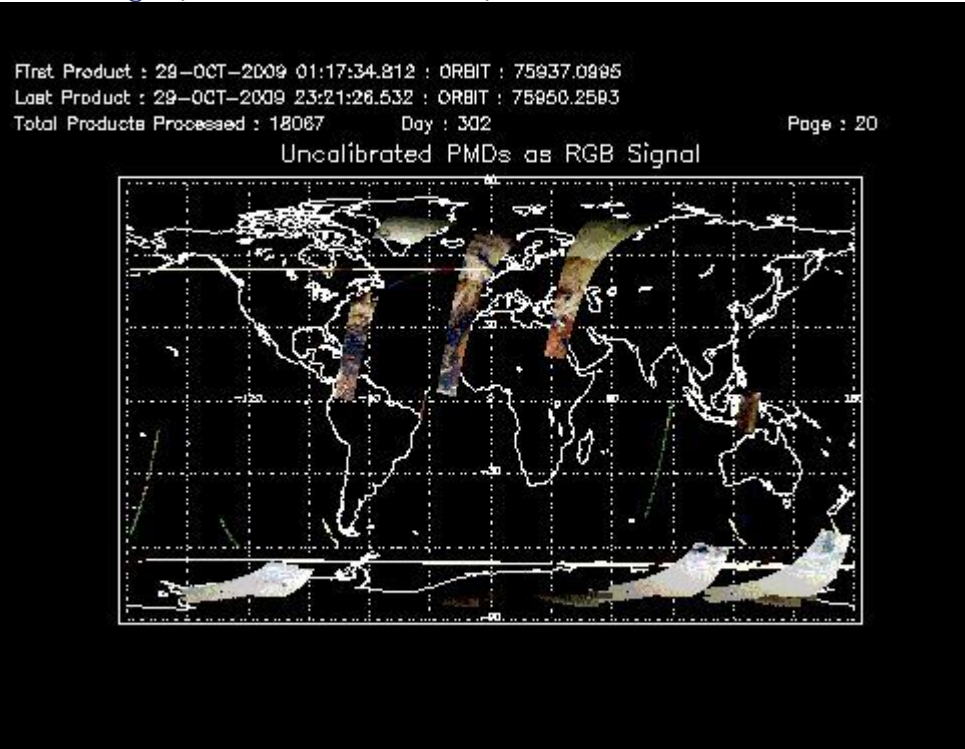
First Product : 29-OCT-2009 01:17:34.812 : ORBIT : 75937.0995
 Last Product : 29-OCT-2009 23:21:26.532 : ORBIT : 75950.2593
 Total Products Processed : 18067 Day : 302

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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	11:38:58	--	75943	Yes	--	15532

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)
Q	01:17:34	01:25:19	75937	No Start	--	--	--

Q	03:21:20	03:28:13	75938	No Start	--	jump_198_180	--
Q	04:01:13	04:06:59	75938	No End	--	jump_198_180	--
Q	04:30:43	04:46:34	75939	No Start	--	jump_198_180	--
Q	06:39:24	06:45:26	75940	No End	--	jump_198_180	--
Q	10:00:36	10:10:29	75942	No End	--	jump_198_180	--
Q	13:21:49	13:31:49	75944	Yes	--	dropdown_to_180	--
Q	14:31:17	14:40:39	75945	No End	--	dropdown_to_180	--
Q	16:43:01	16:43:40	75946	No End	--	dropdown_to_180	--
Q	17:26:01	17:35:55	75946	No End	--	dropdown_to_180	--
Q	18:08:57	18:11:26	75947	No Start	--	dropdown_to_180	--
Q	20:47:31	20:54:20	75948	No End	--	dropdown_to_180	252
Q	21:20:07	21:32:39	75949	No Start	--	dropdown_to_180	253

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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
--	--	--	--	--

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
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5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
01:00 05-Sep	--	75164	--

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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