

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	10-NOV-2009
Start Time of First Product	23:51:44 (09-Nov)
Stop Time of Last Product	23:44:07
Number of EGOI Products analysed	37
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
OI_091110BEEP1149.E2;1	10-NOV-2009	02:05:19.554
EGOI_091110BEEP1157.E2	10-NOV-2009	03:44:23.161
EGOI_091110GSEP2719.E2	10-NOV-2009	01:39:08.893
EGOI_091110GSEP2747.E2	10-NOV-2009	03:17:33.496
EGOI_091110GSEP2757.E2	10-NOV-2009	05:00:32.630
EGOI_091110KSEP7239.E2	10-NOV-2009	06:59:01.861
EGOI_091110KSEP7260.E2	10-NOV-2009	08:39:02.476
EGOI_091110KSEP7283.E2	10-NOV-2009	10:18:42.091
EGOI_091110KSEP7309.E2	10-NOV-2009	11:58:12.698

EGOI_091110KSEP7329.E2	10-NOV-2009	13:37:10.310
EGOI_091110KSEP7357.E2	10-NOV-2009	15:15:48.418
EGOI_091110KSEP7373.E2	10-NOV-2009	16:53:17.517
EGOI_091110KSEP7407.E2	10-NOV-2009	18:31:10.622
EGOI_091110KSEP7443.E2	10-NOV-2009	20:10:00.730
EGOI_091110KSEP7474.E2	10-NOV-2009	21:51:05.853
EGOI_091110KSEP7501.E2	10-NOV-2009	23:34:33.492
EGOI_091110MAEP5781.E2	10-NOV-2009	08:47:22.027
EGOI_091110MAEP5791.E2	10-NOV-2009	10:26:09.138
EGOI_091110MIEP4010.E2	10-NOV-2009	03:13:03.469
EGOI_091110MIEP4035.E2	10-NOV-2009	04:54:44.591
EGOI_091110MIEP4055.E2	10-NOV-2009	15:33:17.024
EGOI_091110MIEP4081.E2	10-NOV-2009	17:13:32.648
EGOI_091110MMEP0769.E2	10-NOV-2009	00:56:59.633
EGOI_091110MMEP0774.E2	10-NOV-2009	02:39:19.761
EGOI_091110MMEP0781.E2	10-NOV-2009	04:22:02.395
EGOI_091110MMEP0791.E2	10-NOV-2009	07:45:45.651
EGOI_091110MMEP0798.E2	10-NOV-2009	11:06:45.381
EGOI_091110MMEP0811.E2	10-NOV-2009	22:44:00.178
EGOI_091110MSEP3642.E2	09-NOV-2009	23:51:44.230
EGOI_091110MSEP3663.E2	10-NOV-2009	10:33:00.174
EGOI_091110MSEP3678.E2	10-NOV-2009	12:19:59.332
EGOI_091110MSEP3703.E2	10-NOV-2009	21:43:05.802
EGOI_091110MSEP3736.E2	10-NOV-2009	23:20:06.402
EGOI_091110SGEP1156.E2	10-NOV-2009	02:17:28.624
EGOI_091110SGEP1165.E2	10-NOV-2009	03:54:44.227
EGOI_091110SGEP1173.E2	10-NOV-2009	14:53:03.281
EGOI_091110SGEP1179.E2	10-NOV-2009	16:31:08.384

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	76112	10-NOV-2009	06:57:06.400	06:59:01.860	115.46000
KS	76113	10-NOV-2009	08:36:31.720	08:39:02.475	150.75500
KS	76114	10-NOV-2009	10:16:09.375	10:18:42.091	152.71600
KS	76115	10-NOV-2009	11:55:37.482	11:58:12.697	155.21500
KS	76116	10-NOV-2009	13:34:37.911	13:37:10.310	152.39900
KS	76117	10-NOV-2009	15:12:59.914	15:15:48.417	168.50300
KS	76118	10-NOV-2009	16:50:36.956	16:53:17.516	160.56000
KS	76119	10-NOV-2009	18:28:38.847	18:31:10.622	151.77500
KS	76120	10-NOV-2009	20:07:54.184	20:10:00.730	126.54600
KS	76121	10-NOV-2009	21:49:03.397	21:51:05.853	122.45600

KS	76122	10-NOV-2009	23:32:55.203	23:34:33.492	98.289000
GS	76109	10-NOV-2009	01:37:20.529	01:39:08.893	108.36400
GS	76110	10-NOV-2009	03:15:33.457	03:17:33.496	120.03900
MS	76108	09-NOV-2009	23:49:28.186	23:51:44.229	136.04300
MS	76114	10-NOV-2009	10:30:22.545	10:33:00.174	157.62900
MS	76115	10-NOV-2009	12:08:38.371	12:19:59.331	680.96000
MS	76122	10-NOV-2009	23:17:46.112	23:20:06.401	140.28900
MA	76113	10-NOV-2009	08:45:29.592	08:47:22.026	112.43400
MA	76114	10-NOV-2009	10:24:11.881	10:26:09.138	117.25700
MI	76110	10-NOV-2009	03:10:41.159	03:13:03.468	142.30900
MI	76111	10-NOV-2009	04:52:27.528	04:54:44.591	137.06300
MI	76117	10-NOV-2009	15:30:54.863	15:33:17.024	142.16100
MI	76118	10-NOV-2009	17:11:08.523	17:13:32.648	144.12500
MM	76108	10-NOV-2009	00:55:31.354	00:56:59.633	88.279000
MM	76109	10-NOV-2009	02:38:07.093	02:39:19.761	72.668000
MM	76112	10-NOV-2009	07:44:35.106	07:45:45.651	70.545000
MM	76114	10-NOV-2009	11:05:10.028	11:06:45.380	95.352000
MM	76121	10-NOV-2009	22:42:15.395	22:44:00.178	104.78300
BE	76109	10-NOV-2009	02:02:35.519	02:05:19.553	164.03400
BE	76110	10-NOV-2009	03:41:38.071	03:44:23.160	165.08900
SG	76109	10-NOV-2009	02:15:24.255	02:17:28.623	124.36800
SG	76110	10-NOV-2009	03:52:35.741	03:54:44.226	128.48500
SG	76116	10-NOV-2009	14:48:28.301	14:53:03.281	274.98000
SG	76117	10-NOV-2009	16:28:26.543	16:31:08.383	161.84000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	76108	10-NOV-2009	00:43:42.225	00:57:48.117	845.89200
KS	76108	10-NOV-2009	00:06:32.955	00:11:21.466	288.51100
CM	76110	10-NOV-2009	03:10:49.351	03:21:07.357	618.00600
CM	76110	10-NOV-2009	04:49:32.420	05:00:37.132	664.71200
MM	76111	10-NOV-2009	06:03:31.975	06:09:34.945	362.97000
JO	76112	10-NOV-2009	07:22:38.810	07:36:18.342	819.53200
MM	76113	10-NOV-2009	09:25:01.105	09:35:21.341	620.23600
JO	76113	10-NOV-2009	09:01:39.754	09:15:38.795	839.04100

MM	76115	10-NOV-2009	12:45:05.517	12:57:42.522	757.00500
HO	76116	10-NOV-2009	14:33:55.631	14:45:36.025	700.39400
MM	76116	10-NOV-2009	14:24:46.362	14:37:29.484	763.12200
BE	76117	10-NOV-2009	14:58:46.462	15:11:09.040	742.57800
MM	76117	10-NOV-2009	16:04:10.921	16:16:45.558	754.63700
GS	76117	10-NOV-2009	15:24:54.198	15:38:30.880	816.68200
CM	76117	10-NOV-2009	15:34:29.264	15:44:53.768	624.50400
MM	76118	10-NOV-2009	17:43:21.821	17:55:53.884	752.06300
GS	76118	10-NOV-2009	17:04:33.904	17:17:09.633	755.72900
CM	76118	10-NOV-2009	17:13:23.630	17:24:21.540	657.91000
MM	76119	10-NOV-2009	19:22:31.517	19:35:11.378	759.86100
JO	76119	10-NOV-2009	19:42:42.851	19:55:36.290	773.43900
MM	76120	10-NOV-2009	21:02:01.752	21:14:44.878	763.12600
MA	76120	10-NOV-2009	20:00:52.235	20:14:14.278	802.04300
JO	76120	10-NOV-2009	21:21:19.263	21:35:45.002	865.73900
HO	76121	10-NOV-2009	22:34:19.078	22:46:50.968	751.89000
MA	76121	10-NOV-2009	21:40:35.865	21:53:13.993	758.12800

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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

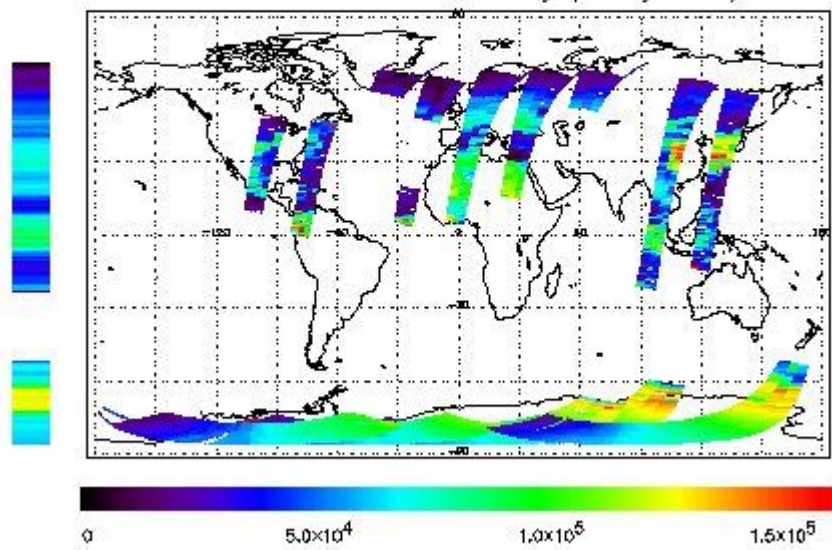
2.2 - Daily Plots

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 : 09-NOV-2009 23:51:44.230 : ORBIT : 76109.0176
 Last Product : 10-NOV-2009 23:44:08.550 : ORBIT : 76122.2581
 Total Products Processed : 17731 Day : 314 Page : 21

778 nm Uncalibrated Intensity (Binary Units)



Ozone Line Ratio

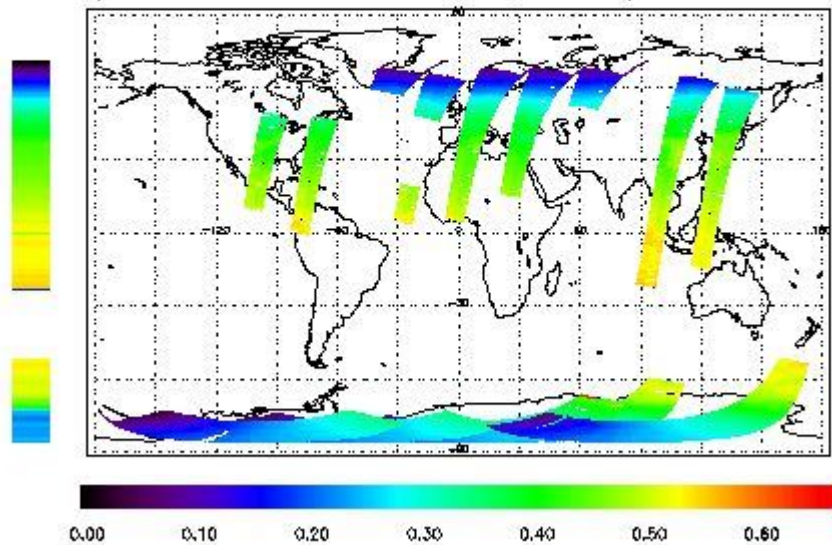
First Product : 09-NOV-2009 23:51:44.230 : ORBIT : 76108.0176

Last Product : 10-NOV-2009 23:44:08.550 : ORBIT : 76122.2561

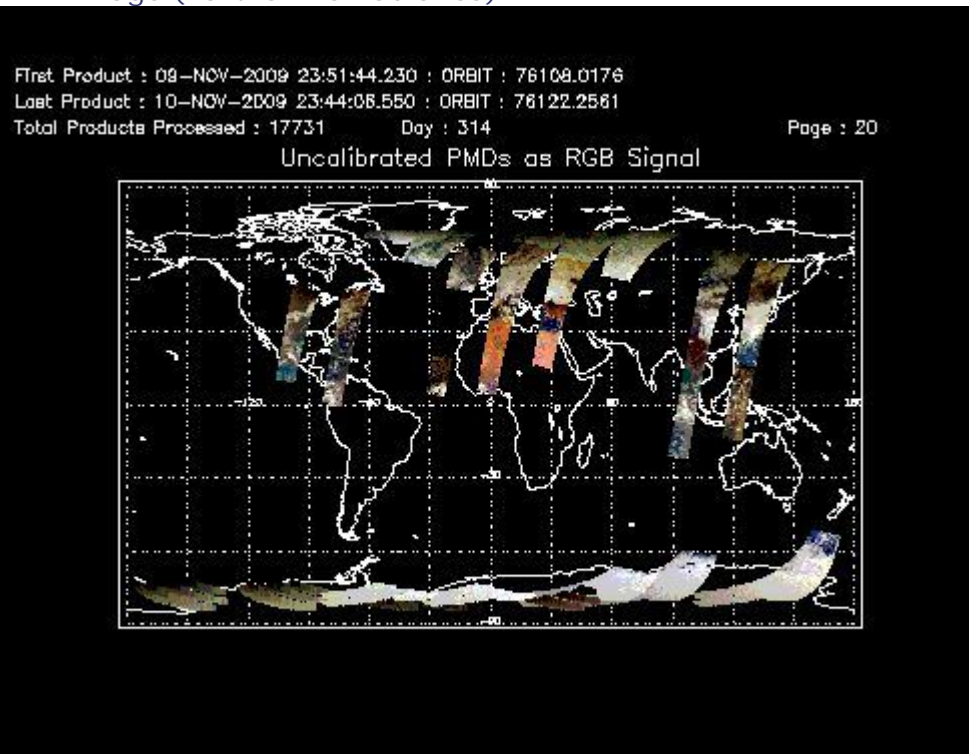
Total Products Processed : 17731 Day : 314

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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	12:03:00.720	--	76115	Yes	--	15615

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
--	--	--	--	--

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
--	--	--	--

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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