

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	27-NOV-2009
Start Time of First Product	01:00:52
Stop Time of Last Product	23:50:24
Number of EGOI Products analysed	38
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
OI_091127BEEP1266.E2;1	27-NOV-2009	03:09:57.201
EGOI_091127BEEP1272.E2	27-NOV-2009	04:50:44.323
EGOI_091127CMEP5305.E2	27-NOV-2009	15:03:34.615
EGOI_091127CMEP5311.E2	27-NOV-2009	16:40:17.210
EGOI_091127GSEP3953.E2	27-NOV-2009	01:06:23.445
EGOI_091127GSEP3985.E2	27-NOV-2009	02:43:16.540
EGOI_091127GSEP4014.E2	27-NOV-2009	04:24:38.163
EGOI_091127GSEP4021.E2	27-NOV-2009	06:06:53.802
EGOI_091127HLEP4248.E2	27-NOV-2009	01:56:50.750

EGOI_091127HLEP4255.E2	27-NOV-2009	14:04:40.250
EGOI_091127HLEP4265.E2	27-NOV-2009	15:47:36.389
EGOI_091127HLEP4273.E2	27-NOV-2009	23:43:49.831
EGOI_091127KSEP2095.E2	27-NOV-2009	06:24:58.407
EGOI_091127KSEP2125.E2	27-NOV-2009	08:04:53.026
EGOI_091127KSEP2148.E2	27-NOV-2009	09:44:28.145
EGOI_091127KSEP2173.E2	27-NOV-2009	11:24:06.261
EGOI_091127KSEP2204.E2	27-NOV-2009	13:03:12.874
EGOI_091127KSEP2234.E2	27-NOV-2009	14:42:01.482
EGOI_091127KSEP2260.E2	27-NOV-2009	16:19:42.585
EGOI_091127KSEP2283.E2	27-NOV-2009	17:57:46.193
EGOI_091127KSEP2317.E2	27-NOV-2009	19:35:48.301
EGOI_091127KSEP2352.E2	27-NOV-2009	21:16:08.421
EGOI_091127KSEP2380.E2	27-NOV-2009	22:59:28.560
EGOI_091127MAEP6286.E2	27-NOV-2009	09:51:55.192
EGOI_091127MAEP6308.E2	27-NOV-2009	21:08:32.374
EGOI_091127MIEP5687.E2	27-NOV-2009	02:39:46.521
EGOI_091127MIEP5715.E2	27-NOV-2009	04:18:51.631
EGOI_091127MIEP5742.E2	27-NOV-2009	15:00:00.091
EGOI_091127MIEP5772.E2	27-NOV-2009	16:38:36.702
EGOI_091127MSEP5660.E2	27-NOV-2009	01:00:51.910
EGOI_091127MSEP5676.E2	27-NOV-2009	10:00:22.240
EGOI_091127MSEP5700.E2	27-NOV-2009	11:37:09.345
EGOI_091127MSEP5723.E2	27-NOV-2009	13:18:02.468
EGOI_091127MSEP5755.E2	27-NOV-2009	22:46:02.978
EGOI_091127SGEP1641.E2	27-NOV-2009	03:20:34.767
EGOI_091127SGEP1649.E2	27-NOV-2009	05:02:38.398
EGOI_091127SGEP1657.E2	27-NOV-2009	14:17:41.833
EGOI_091127SGEP1665.E2	27-NOV-2009	15:56:06.444

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	76355	27-NOV-2009	06:23:15.385	06:24:58.406	103.02100
KS	76356	27-NOV-2009	08:02:23.344	08:04:53.025	149.68100
KS	76357	27-NOV-2009	09:42:00.122	09:44:28.144	148.02200
KS	76358	27-NOV-2009	11:21:33.406	11:24:06.260	152.85400
KS	76359	27-NOV-2009	13:00:45.564	13:03:12.874	147.31000
KS	76360	27-NOV-2009	14:39:28.863	14:42:01.482	152.61900
KS	76361	27-NOV-2009	16:17:09.058	16:19:42.584	153.52600
KS	76362	27-NOV-2009	17:55:00.885	17:57:46.193	165.30800
KS	76363	27-NOV-2009	19:33:41.382	19:35:48.301	126.91900

KS	76364	27-NOV-2009	21:14:07.335	21:16:08.421	121.08600
KS	76365	27-NOV-2009	22:56:54.810	22:59:28.559	153.74900
GS	76352	27-NOV-2009	01:04:44.471	01:06:23.444	98.973000
GS	76353	27-NOV-2009	02:41:23.554	02:43:16.540	112.98600
GS	76354	27-NOV-2009	04:22:44.875	04:24:38.162	113.28700
MS	76358	27-NOV-2009	11:34:30.473	11:37:09.344	158.87100
MS	76359	27-NOV-2009	13:15:33.701	13:18:02.468	148.76700
MS	76365	27-NOV-2009	22:43:53.333	22:46:02.978	129.64500
MA	76357	27-NOV-2009	09:50:02.640	09:51:55.191	112.55100
MA	76364	27-NOV-2009	21:05:56.359	21:08:32.373	156.01400
MI	76353	27-NOV-2009	02:37:27.824	02:39:46.520	138.69600
MI	76354	27-NOV-2009	04:16:33.628	04:18:51.630	138.00200
MI	76360	27-NOV-2009	14:57:42.110	15:00:00.091	137.98100
MI	76361	27-NOV-2009	16:36:14.692	16:38:36.701	142.00900
BE	76353	27-NOV-2009	03:07:23.467	03:09:57.201	153.73400
BE	76354	27-NOV-2009	04:48:11.049	04:50:44.323	153.27400
SG	76353	27-NOV-2009	03:18:25.974	03:20:34.767	128.79300
SG	76354	27-NOV-2009	05:01:03.728	05:02:38.398	94.670000
SG	76359	27-NOV-2009	14:16:00.870	14:17:41.832	100.96200
SG	76360	27-NOV-2009	15:53:22.092	15:56:06.444	164.35200
CM	76361	27-NOV-2009	16:38:48.403	16:40:17.209	88.806000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	76351	27-NOV-2009	00:09:13.584	00:23:50.791	877.20700
MM	76351	27-NOV-2009	00:20:34.517	00:31:45.411	670.89400
MM	76352	27-NOV-2009	02:02:50.678	02:12:02.450	551.77200
MM	76353	27-NOV-2009	03:45:52.485	03:52:43.877	411.39200
CM	76353	27-NOV-2009	02:39:34.342	02:44:54.384	320.04200
CM	76353	27-NOV-2009	04:14:49.443	04:27:11.012	741.56900
MM	76354	27-NOV-2009	05:28:36.724	05:34:23.867	347.14300
MM	76355	27-NOV-2009	07:10:02.382	07:17:18.001	435.61900
JO	76355	27-NOV-2009	06:50:14.623	07:01:17.080	662.45700
MM	76356	27-NOV-2009	08:50:37.465	09:00:14.389	576.92400
MA	76356	27-NOV-2009	08:11:57.014	08:22:16.348	619.33400

JO	76356	27-NOV-2009	08:27:02.650	08:42:00.520	897.87000
MM	76357	27-NOV-2009	10:30:51.348	10:42:18.966	687.61800
MM	76358	27-NOV-2009	12:10:51.472	12:23:18.786	747.31400
MA	76358	27-NOV-2009	11:31:18.527	11:39:02.708	464.18100
MM	76359	27-NOV-2009	13:50:37.567	14:03:21.468	763.90100
BE	76360	27-NOV-2009	14:24:04.912	14:37:23.842	798.93000
MM	76360	27-NOV-2009	15:30:07.763	15:42:45.471	757.70800
GS	76360	27-NOV-2009	14:51:10.063	15:03:36.333	746.27000
MM	76361	27-NOV-2009	17:09:22.502	17:21:54.061	751.55900
GS	76361	27-NOV-2009	16:30:13.413	16:43:49.816	816.40300
MM	76362	27-NOV-2009	18:48:30.536	19:01:07.160	756.62400
GS	76362	27-NOV-2009	18:11:04.959	18:19:22.029	497.07000
JO	76362	27-NOV-2009	19:10:25.446	19:19:16.976	531.53000
MM	76363	27-NOV-2009	20:27:50.994	20:40:34.944	763.95000
MA	76363	27-NOV-2009	19:27:53.330	19:39:19.129	685.79900
JO	76363	27-NOV-2009	20:47:04.315	21:02:05.896	901.58100
HO	76364	27-NOV-2009	22:01:54.495	22:12:13.830	619.33500
MM	76364	27-NOV-2009	22:07:47.477	22:20:19.041	751.56400
JO	76364	27-NOV-2009	22:28:28.286	22:37:51.570	563.28400
MM	76365	27-NOV-2009	23:48:39.232	00:00:17.456	698.22400

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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

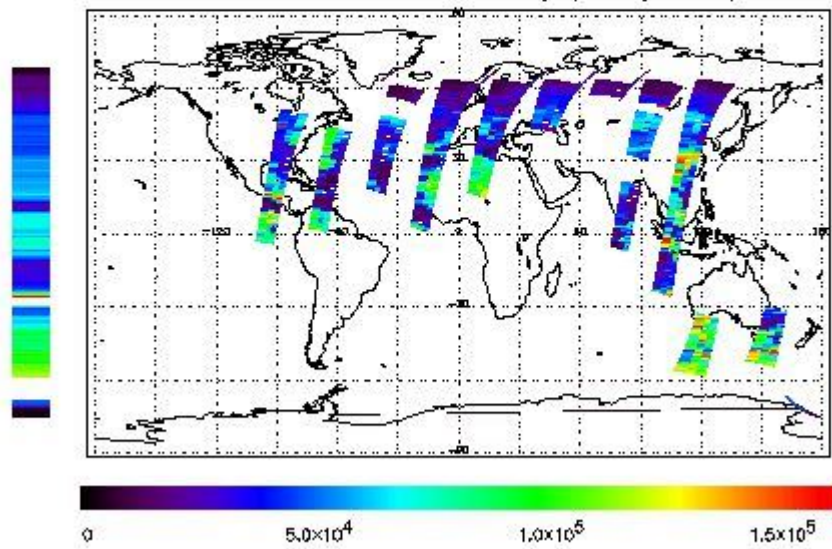
2.2 - Daily Plots

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 : 27-NOV-2009 01:00:51.910 : ORBIT : 76352.0476
 Last Product : 27-NOV-2009 23:50:24.374 : ORBIT : 76365.6615
 Total Products Processed : 17155 Day : 331 Page : 21

778 nm Uncalibrated Intensity (Binary Units)



Ozone Line Ratio

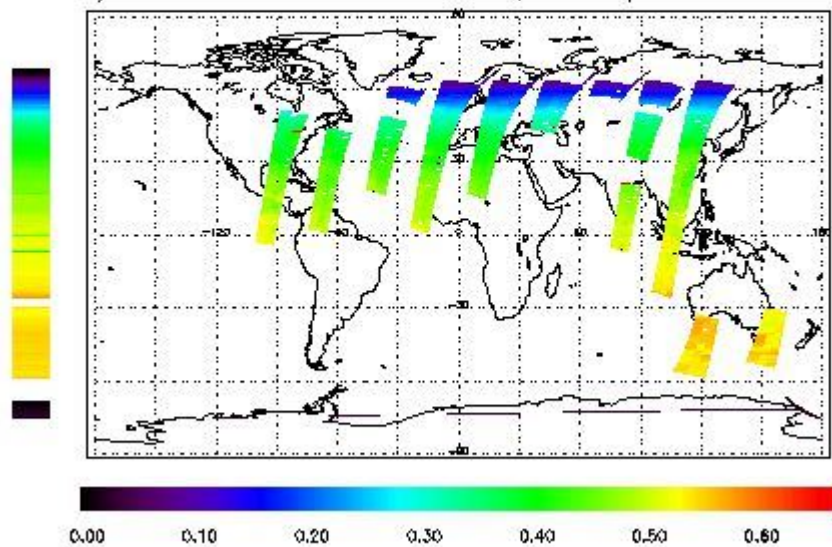
First Product : 27-NOV-2009 01:00:51.910 : ORBIT : 76352.0476

Last Product : 27-NOV-2009 23:50:24.374 : ORBIT : 76365.6615

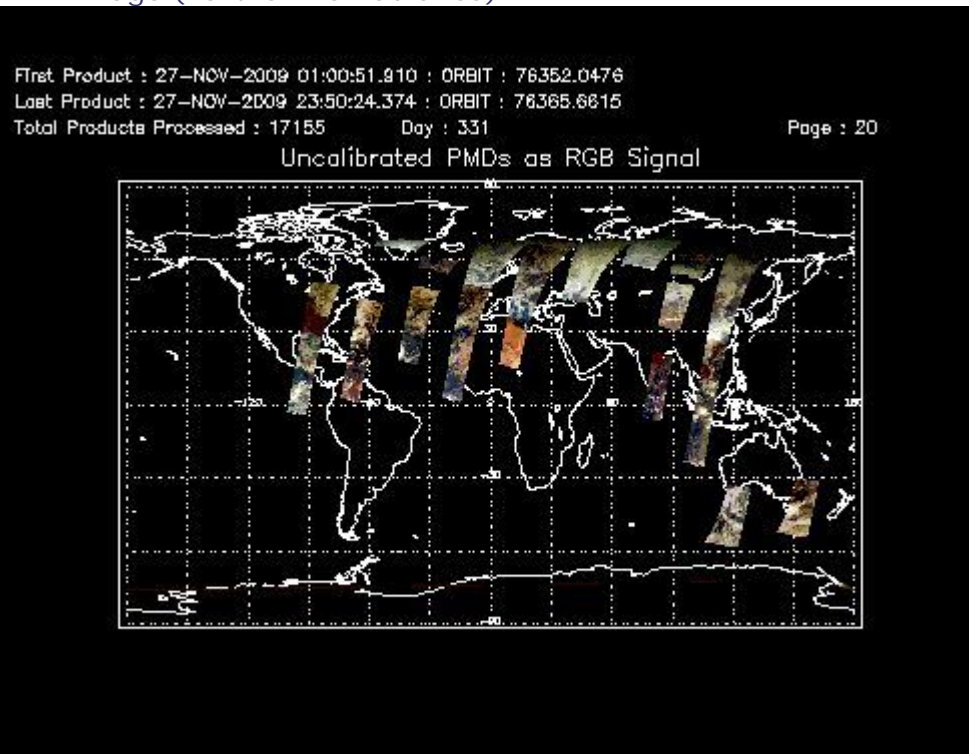
Total Products Processed : 17155 Day : 331

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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	13:10:14.420	--	76359	Yes	--	15751

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
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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