

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	13-NOV-2009
Start Time of First Product	23:57:36 (12-Nov)
Stop Time of Last Product	23:49:47
Number of EGOI Products analysed	32
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
OI_091113BEEP1182.E2;1	13-NOV-2009	02:10:53.673
EGOI_091113GSEP2923.E2	13-NOV-2009	01:44:53.516
EGOI_091113GSEP2955.E2	13-NOV-2009	03:23:10.619
EGOI_091113GSEP2964.E2	13-NOV-2009	05:06:12.756
EGOI_091113KSEP8090.E2	13-NOV-2009	07:04:43.484
EGOI_091113KSEP8112.E2	13-NOV-2009	08:44:42.604
EGOI_091113KSEP8141.E2	13-NOV-2009	10:24:23.711
EGOI_091113KSEP8167.E2	13-NOV-2009	12:03:52.822
EGOI_091113KSEP8187.E2	13-NOV-2009	13:42:48.934

EGOI_091113KSEP8215.E2	13-NOV-2009	15:21:24.046
EGOI_091113KSEP8244.E2	13-NOV-2009	16:58:50.141
EGOI_091113KSEP8278.E2	13-NOV-2009	18:36:47.749
EGOI_091113KSEP8307.E2	13-NOV-2009	20:15:39.357
EGOI_091113KSEP8338.E2	13-NOV-2009	21:56:54.981
EGOI_091113KSEP8362.E2	13-NOV-2009	23:40:46.615
EGOI_091113MAEP5854.E2	13-NOV-2009	08:53:30.651
EGOI_091113MAEP5870.E2	13-NOV-2009	10:31:50.762
EGOI_091113MAEP5889.E2	13-NOV-2009	20:09:01.813
EGOI_091113MIEP4314.E2	13-NOV-2009	01:44:50.516
EGOI_091113MIEP4339.E2	13-NOV-2009	03:18:42.092
EGOI_091113MIEP4362.E2	13-NOV-2009	05:00:51.718
EGOI_091113MIEP4382.E2	13-NOV-2009	15:38:54.151
EGOI_091113MIEP4408.E2	13-NOV-2009	17:19:21.767
EGOI_091113MSEP4005.E2	12-NOV-2009	23:57:36.358
EGOI_091113MSEP4027.E2	13-NOV-2009	10:38:31.301
EGOI_091113MSEP4056.E2	13-NOV-2009	12:17:00.405
EGOI_091113MSEP4084.E2	13-NOV-2009	21:48:18.926
EGOI_091113MSEP4116.E2	13-NOV-2009	23:25:46.525
EGOI_091113SGEP1257.E2	13-NOV-2009	02:25:50.770
EGOI_091113SGEP1264.E2	13-NOV-2009	04:04:28.870
EGOI_091113SGEP1273.E2	13-NOV-2009	14:56:35.889
EGOI_091113SGEP1279.E2	13-NOV-2009	16:37:05.008

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	76155	13-NOV-2009	07:02:46.139	07:04:43.484	117.34500
KS	76156	13-NOV-2009	08:42:13.254	08:44:42.604	149.35000
KS	76157	13-NOV-2009	10:21:50.825	10:24:23.711	152.88600
KS	76158	13-NOV-2009	12:01:17.869	12:03:52.821	154.95200
KS	76159	13-NOV-2009	13:40:16.117	13:42:48.934	152.81700
KS	76160	13-NOV-2009	15:18:30.488	15:21:24.045	173.55700
KS	76161	13-NOV-2009	16:56:11.973	16:58:50.141	158.16800
KS	76162	13-NOV-2009	18:34:16.738	18:36:47.748	151.01000
KS	76163	13-NOV-2009	20:13:37.578	20:15:39.356	121.77800
KS	76164	13-NOV-2009	21:54:54.465	21:56:54.981	120.51600
KS	76165	13-NOV-2009	23:38:58.615	23:40:46.614	107.99900
GS	76152	13-NOV-2009	01:42:50.094	01:44:53.516	123.42200
GS	76153	13-NOV-2009	03:21:18.243	03:23:10.618	112.37500
MS	76151	12-NOV-2009	23:55:18.549	23:57:36.358	137.80900

MS	76157	13-NOV-2009	10:35:51.966	10:38:31.301	159.33500
MS	76158	13-NOV-2009	12:14:24.034	12:17:00.405	156.37100
MS	76165	13-NOV-2009	23:23:29.059	23:25:46.525	137.46600
MA	76156	13-NOV-2009	08:51:17.206	08:53:30.651	133.44500
MA	76157	13-NOV-2009	10:29:51.977	10:31:50.762	118.78500
MA	76163	13-NOV-2009	20:06:25.509	20:09:01.813	156.30400
MI	76152	13-NOV-2009	01:43:03.304	01:44:50.515	107.21100
MI	76160	13-NOV-2009	15:36:31.190	15:38:54.150	142.96000
MI	76161	13-NOV-2009	17:17:02.504	17:19:21.767	139.26300
BE	76152	13-NOV-2009	02:08:10.114	02:10:53.672	163.55800
SG	76152	13-NOV-2009	02:20:41.207	02:25:50.770	309.56300
SG	76153	13-NOV-2009	03:58:21.750	04:04:28.869	367.11900
SG	76159	13-NOV-2009	14:53:59.839	14:56:35.889	156.05000
SG	76160	13-NOV-2009	16:34:24.468	16:37:05.008	160.54000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	76151	13-NOV-2009	00:49:31.322	01:03:24.489	833.16700
MM	76151	13-NOV-2009	01:01:21.567	01:11:50.253	628.68600
KS	76151	13-NOV-2009	00:12:47.623	00:16:50.239	242.61600
MM	76152	13-NOV-2009	02:44:00.276	02:52:14.913	494.63700
BE	76153	13-NOV-2009	03:47:22.061	04:00:00.550	758.48900
MM	76153	13-NOV-2009	04:27:05.369	04:33:14.041	368.67200
CM	76153	13-NOV-2009	03:16:14.247	03:26:58.912	644.66500
CM	76153	13-NOV-2009	04:55:25.937	05:06:06.083	640.14600
MM	76154	13-NOV-2009	06:09:20.182	06:15:27.599	367.41700
MM	76155	13-NOV-2009	07:50:20.133	07:58:32.552	492.41900
JO	76155	13-NOV-2009	07:28:08.445	07:42:04.944	836.49900
MM	76156	13-NOV-2009	09:30:44.854	09:41:11.806	626.95200
JO	76156	13-NOV-2009	09:07:30.632	09:21:11.852	821.22000
HO	76157	13-NOV-2009	11:21:21.068	11:31:59.542	638.47400
MM	76157	13-NOV-2009	11:10:52.991	11:22:50.554	717.56300
HO	76158	13-NOV-2009	12:59:23.288	13:14:12.702	889.41400
MM	76158	13-NOV-2009	12:50:47.692	13:03:25.857	758.16500
HO	76159	13-NOV-2009	14:39:42.818	14:50:47.517	664.69900

MM	76159	13-NOV-2009	14:30:27.642	14:43:10.439	762.79700
BE	76160	13-NOV-2009	15:04:37.740	15:16:44.135	726.39500
MM	76160	13-NOV-2009	16:09:51.274	16:22:25.464	754.19000
GS	76160	13-NOV-2009	15:30:33.223	15:44:16.325	823.10200
CM	76160	13-NOV-2009	15:39:57.083	15:50:48.560	651.47700
MM	76161	13-NOV-2009	17:49:01.664	18:01:33.957	752.29300
GS	76161	13-NOV-2009	17:10:18.414	17:22:39.845	741.43100
CM	76161	13-NOV-2009	17:19:14.230	17:29:47.653	633.42300
MM	76162	13-NOV-2009	19:28:11.890	19:40:52.269	760.37900
JO	76162	13-NOV-2009	19:48:13.192	20:01:30.712	797.52000
MM	76163	13-NOV-2009	21:07:44.025	21:20:26.716	762.69100
JO	76163	13-NOV-2009	21:27:04.190	21:41:17.419	853.22900
HO	76164	13-NOV-2009	22:39:46.746	22:52:34.710	767.96400
MM	76164	13-NOV-2009	22:48:00.730	23:00:16.792	736.06200
MA	76164	13-NOV-2009	21:47:01.222	21:58:48.510	707.28800

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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

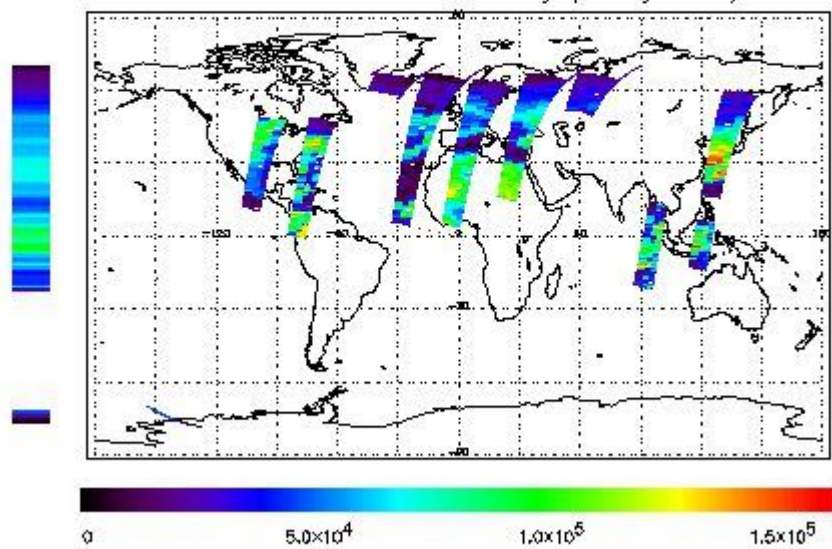
2.2 - Daily Plots

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 : 12-NOV-2009 23:57:36.358 : ORBIT : 76151.0188
 Last Product : 13-NOV-2009 23:49:48.689 : ORBIT : 76165.2553
 Total Products Processed : 15404 Day : 317 Page : 21

778 nm Uncalibrated Intensity (Binary Units)



Ozone Line Ratio

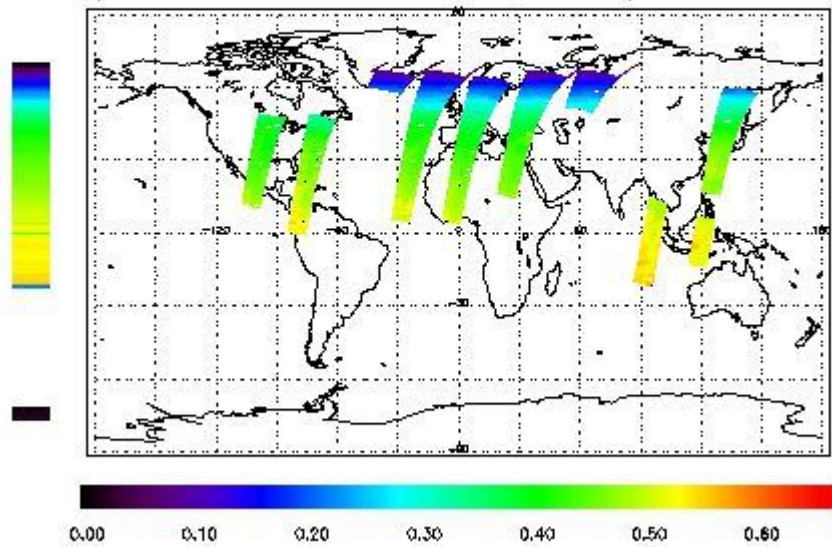
First Product : 12-NOV-2009 23:57:36.358 : ORBIT : 76151.0188

Last Product : 13-NOV-2009 23:49:48.689 : ORBIT : 76165.2553

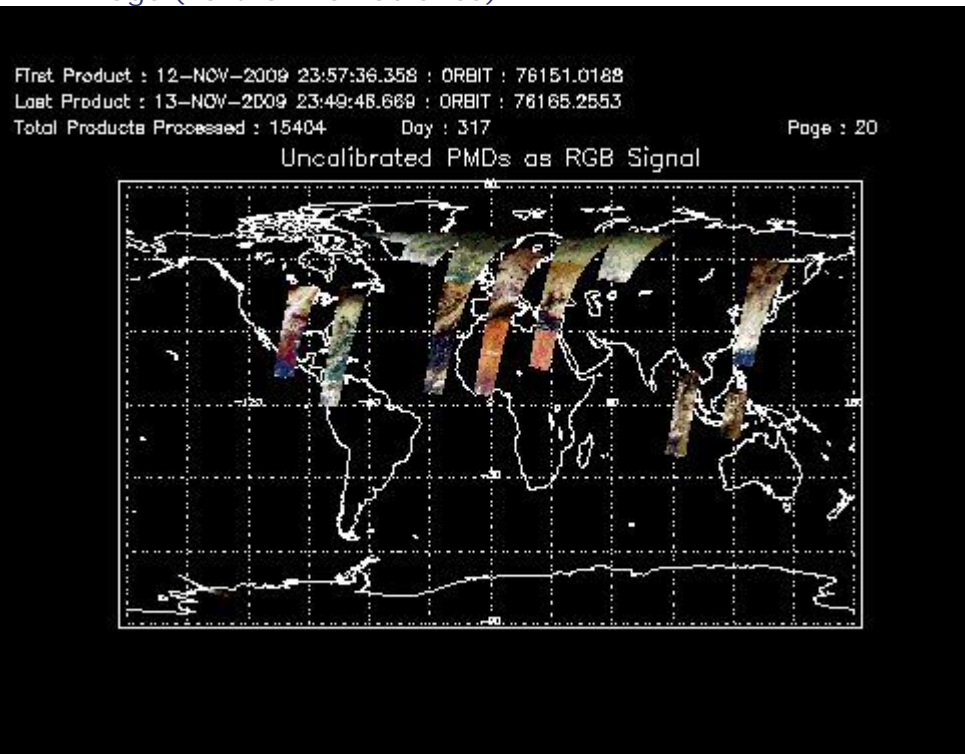
Total Products Processed : 15404 Day : 317

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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	0:28:26.730	--	76157	Yes	--	15602

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
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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
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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
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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