

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	01-DEC-2009
Start Time of First Product	00:32:59
Stop Time of Last Product	23:26:04
Number of EGOI Products analysed	33
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
OI_091201BEEP1302.E2;1	01-DEC-2009	02:44:29.662
EGOI_091201BEEP1308.E2	01-DEC-2009	04:24:30.280
EGOI_091201CMEP5347.E2	01-DEC-2009	16:14:46.673
EGOI_091201CMEP5356.E2	01-DEC-2009	17:56:05.296
EGOI_091201GSEP4224.E2	01-DEC-2009	02:17:54.997
EGOI_091201GSEP4249.E2	01-DEC-2009	03:58:09.120
EGOI_091201GSEP4256.E2	01-DEC-2009	05:40:36.750
EGOI_091201HLEP4343.E2	01-DEC-2009	01:29:39.699
EGOI_091201HLEP4351.E2	01-DEC-2009	13:39:20.211

EGOI_091201HLEP4361.E2	01-DEC-2009	21:44:11.209
EGOI_091201HLEP4368.E2	01-DEC-2009	23:17:53.793
EGOI_091201KSEP3275.E2	01-DEC-2009	07:38:47.986
EGOI_091201KSEP3297.E2	01-DEC-2009	09:18:48.598
EGOI_091201KSEP3326.E2	01-DEC-2009	10:58:28.215
EGOI_091201KSEP3358.E2	01-DEC-2009	12:37:45.330
EGOI_091201KSEP3385.E2	01-DEC-2009	14:16:41.446
EGOI_091201KSEP3414.E2	01-DEC-2009	15:54:30.050
EGOI_091201KSEP3445.E2	01-DEC-2009	17:32:27.655
EGOI_091201KSEP3481.E2	01-DEC-2009	19:10:14.759
EGOI_091201KSEP3516.E2	01-DEC-2009	20:50:03.374
EGOI_091201KSEP3546.E2	01-DEC-2009	22:32:05.510
EGOI_091201MAEP6429.E2	01-DEC-2009	09:25:57.641
EGOI_091201MAEP6443.E2	01-DEC-2009	11:06:07.262
EGOI_091201MIEP6069.E2	01-DEC-2009	02:15:29.481
EGOI_091201MIEP6082.E2	01-DEC-2009	03:53:27.088
EGOI_091201MIEP6098.E2	01-DEC-2009	14:35:55.063
EGOI_091201MIEP6125.E2	01-DEC-2009	16:12:46.659
EGOI_091201MSEP6147.E2	01-DEC-2009	00:32:58.851
EGOI_091201MSEP6172.E2	01-DEC-2009	11:11:40.297
EGOI_091201MSEP6197.E2	01-DEC-2009	12:51:33.417
EGOI_091201MSEP6229.E2	01-DEC-2009	22:20:42.940
EGOI_091201SGEP1744.E2	01-DEC-2009	04:35:33.347
EGOI_091201SGEP1751.E2	01-DEC-2009	13:54:45.809

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	76413	01-DEC-2009	07:36:48.595	07:38:47.986	119.39100
KS	76414	01-DEC-2009	09:16:22.841	09:18:48.598	145.75700
KS	76415	01-DEC-2009	10:55:58.706	10:58:28.214	149.50800
KS	76416	01-DEC-2009	12:35:18.101	12:37:45.329	147.22800
KS	76417	01-DEC-2009	14:14:09.877	14:16:41.446	151.56900
KS	76418	01-DEC-2009	15:52:00.777	15:54:30.050	149.27300
KS	76419	01-DEC-2009	17:29:55.436	17:32:27.655	152.21900
KS	76420	01-DEC-2009	19:08:09.683	19:10:14.758	125.07500
KS	76421	01-DEC-2009	20:48:06.113	20:50:03.373	117.26000
KS	76422	01-DEC-2009	22:30:12.246	22:32:05.509	113.26300
GS	76410	01-DEC-2009	02:16:48.933	02:17:54.996	66.063000
GS	76411	01-DEC-2009	03:56:08.241	03:58:09.119	120.87800
MS	76409	01-DEC-2009	00:31:01.767	00:32:58.850	117.08300

MS	76415	01-DEC-2009	11:09:05.065	11:11:40.297	155.23200
MS	76416	01-DEC-2009	12:49:04.845	12:51:33.416	148.57100
MS	76422	01-DEC-2009	22:18:57.671	22:20:42.940	105.26900
MA	76414	01-DEC-2009	09:24:32.319	09:25:57.640	85.321000
MA	76415	01-DEC-2009	11:04:58.449	11:06:07.261	68.812000
MI	76410	01-DEC-2009	02:13:12.135	02:15:29.480	137.34500
MI	76411	01-DEC-2009	03:50:25.779	03:53:27.087	181.30800
MI	76411	01-DEC-2009	04:01:42.142	04:03:33.319	111.17700
MI	76417	01-DEC-2009	14:33:37.237	14:35:55.062	137.82500
MI	76418	01-DEC-2009	16:10:27.785	16:12:46.658	138.87300
BE	76410	01-DEC-2009	02:41:53.105	02:44:29.661	156.55600
BE	76411	01-DEC-2009	04:21:57.053	04:24:30.279	153.22600
SG	76411	01-DEC-2009	04:33:31.445	04:35:33.346	121.90100
CM	76418	01-DEC-2009	16:13:18.473	16:14:46.672	88.199000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	76408	30-NOV-2009	23:54:26.978	00:06:00.622	693.64400
MM	76409	01-DEC-2009	01:36:27.089	01:46:13.553	586.46400
GS	76409	01-DEC-2009	00:40:47.639	00:48:39.812	472.17300
MM	76410	01-DEC-2009	03:19:21.108	03:26:46.708	445.60000
SG	76410	01-DEC-2009	02:53:18.266	03:06:25.055	786.78900
CM	76410	01-DEC-2009	03:49:22.528	04:01:38.355	735.82700
MM	76411	01-DEC-2009	05:02:18.264	05:08:07.093	348.82900
MM	76412	01-DEC-2009	06:44:04.230	06:50:46.738	402.50800
KS	76412	01-DEC-2009	05:58:10.510	06:02:58.016	287.50600
CM	76412	01-DEC-2009	05:31:59.633	05:37:52.291	352.65800
JO	76412	01-DEC-2009	06:26:56.999	06:34:15.820	438.82100
MM	76413	01-DEC-2009	08:24:48.257	08:33:49.879	541.62200
JO	76413	01-DEC-2009	08:01:32.545	08:16:28.823	896.27800
MM	76414	01-DEC-2009	10:05:06.323	10:16:10.214	663.89100
JO	76414	01-DEC-2009	09:43:15.595	09:53:58.612	643.01700
HO	76415	01-DEC-2009	11:54:36.305	12:07:41.221	784.91600
MM	76415	01-DEC-2009	11:45:09.856	11:57:26.539	736.68300
MM	76416	01-DEC-2009	13:24:59.726	13:37:42.481	762.75500

BE	76417	01-DEC-2009	13:58:29.206	14:11:52.264	803.05800
HO	76417	01-DEC-2009	15:14:42.018	15:22:49.044	487.02600
MM	76417	01-DEC-2009	15:04:34.166	15:17:14.287	760.12100
GS	76417	01-DEC-2009	14:26:08.553	14:36:54.929	646.37600
SG	76417	01-DEC-2009	15:27:38.350	15:41:31.414	833.06400
BE	76418	01-DEC-2009	15:40:21.417	15:49:50.675	569.25800
MM	76418	01-DEC-2009	16:43:52.462	16:56:24.639	752.17700
GS	76418	01-DEC-2009	16:04:34.887	16:18:29.907	835.02000
MM	76419	01-DEC-2009	18:23:00.783	18:35:35.196	754.41300
MI	76419	01-DEC-2009	17:53:58.535	17:57:06.998	188.46300
GS	76419	01-DEC-2009	17:44:53.901	17:55:20.337	626.43600
MM	76420	01-DEC-2009	20:02:15.791	20:14:58.765	762.97400
MA	76420	01-DEC-2009	19:05:58.017	19:12:57.324	419.30700
JO	76420	01-DEC-2009	20:21:39.428	20:36:24.912	885.48400
MM	76421	01-DEC-2009	21:42:00.884	21:54:38.816	757.93200
MA	76421	01-DEC-2009	20:40:04.379	20:53:45.584	821.20500
JO	76421	01-DEC-2009	22:01:51.686	22:14:02.752	731.06600
MM	76422	01-DEC-2009	23:22:37.035	23:34:33.740	716.70500
MA	76422	01-DEC-2009	22:23:31.554	22:31:48.059	496.50500

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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

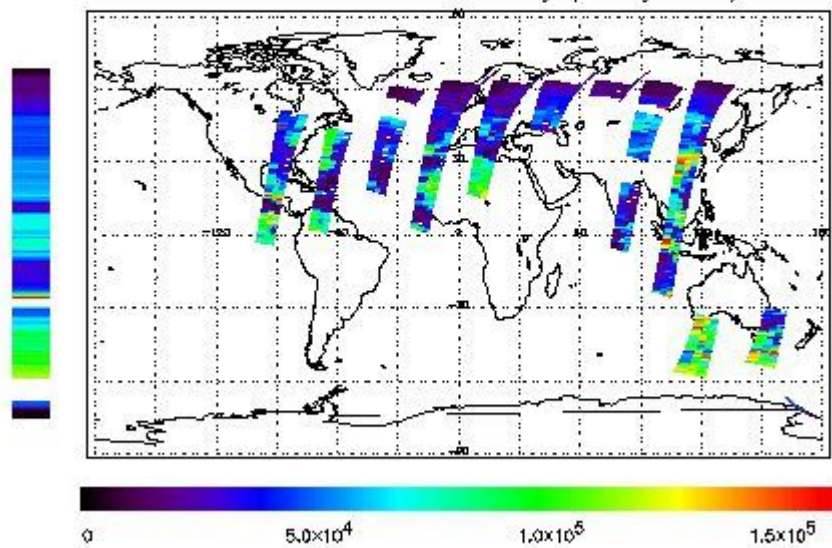
2.2 - Daily Plots

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

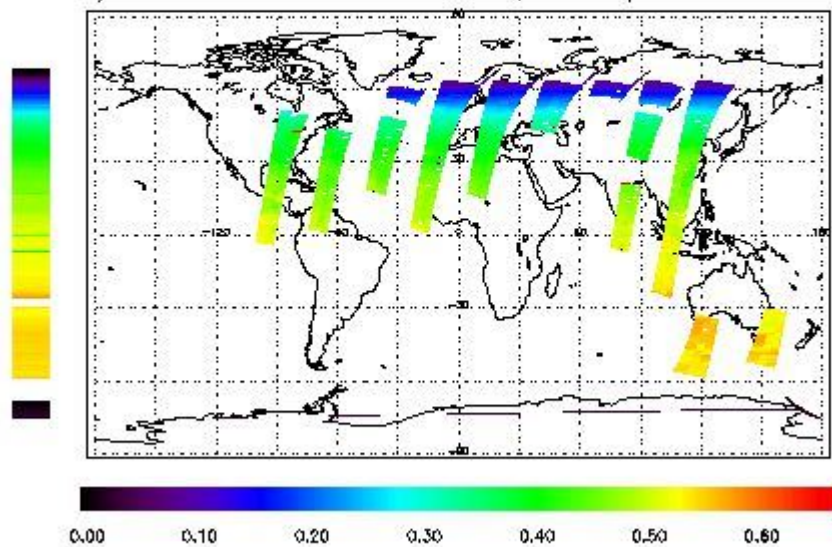
First Product : 27-NOV-2009 01:00:51.910 : ORBIT : 76352.0476

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

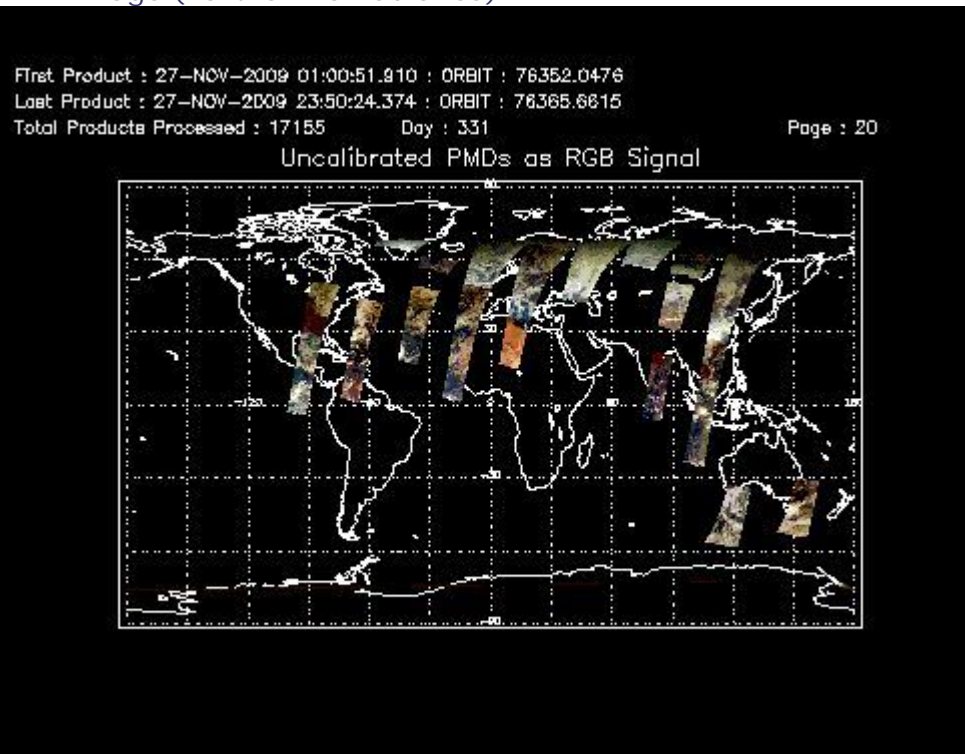
Total Products Processed : 17155 Day : 331

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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	11:04:01.250	--	76416	Yes	--	15766

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