

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	25-NOV-2009
Start Time of First Product	00:21:08
Stop Time of Last Product	22:33:03
Number of EGOI Products analysed	37
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath continued from previous day, stop orbit: 76329

1.2 - List of received products

Name	Date	Time
OI_091125CMEP5260.E2;1	25-NOV-2009	03:39:39.570
EGOI_091125CMEP5269.E2	25-NOV-2009	16:07:15.694
EGOI_091125CMEP5277.E2	25-NOV-2009	17:44:19.294
EGOI_091125GSEP3824.E2	25-NOV-2009	02:06:58.498
EGOI_091125GSEP3851.E2	25-NOV-2009	03:46:21.617
EGOI_091125GSEP3861.E2	25-NOV-2009	05:29:02.751
EGOI_091125KSEP1494.E2	25-NOV-2009	07:27:28.979
EGOI_091125KSEP1517.E2	25-NOV-2009	09:07:26.599
EGOI_091125KSEP1542.E2	25-NOV-2009	10:47:07.717

EGOI_091125KSEP1572.E2	25-NOV-2009	12:26:27.829
EGOI_091125KSEP1603.E2	25-NOV-2009	14:05:25.441
EGOI_091125KSEP1632.E2	25-NOV-2009	15:43:27.549
EGOI_091125KSEP1664.E2	25-NOV-2009	17:21:14.657
EGOI_091125KSEP1700.E2	25-NOV-2009	18:59:15.260
EGOI_091125KSEP1734.E2	25-NOV-2009	20:38:38.378
EGOI_091125KSEP1765.E2	25-NOV-2009	22:20:34.509
EGOI_091125MAEP6215.E2	25-NOV-2009	09:14:49.150
EGOI_091125MAEP6225.E2	25-NOV-2009	10:54:39.260
EGOI_091125MAEP6244.E2	25-NOV-2009	22:12:29.958
EGOI_091125MIEP5492.E2	25-NOV-2009	02:04:58.486
EGOI_091125MIEP5514.E2	25-NOV-2009	03:41:21.585
EGOI_091125MIEP5531.E2	25-NOV-2009	14:26:28.576
EGOI_091125MIEP5547.E2	25-NOV-2009	16:01:24.659
EGOI_091125MIEP5568.E2	25-NOV-2009	17:43:19.290
EGOI_091125MMEP1274.E2	25-NOV-2009	01:26:05.743
EGOI_091125MMEP1281.E2	25-NOV-2009	03:08:37.882
EGOI_091125MMEP1289.E2	25-NOV-2009	04:51:19.012
EGOI_091125MMEP1296.E2	25-NOV-2009	06:33:21.146
EGOI_091125MMEP1305.E2	25-NOV-2009	08:14:30.773
EGOI_091125MMEP1313.E2	25-NOV-2009	09:55:04.396
EGOI_091125MSEP5441.E2	25-NOV-2009	00:21:08.342
EGOI_091125MSEP5465.E2	25-NOV-2009	11:00:21.300
EGOI_091125MSEP5492.E2	25-NOV-2009	12:39:50.412
EGOI_091125MSEP5521.E2	25-NOV-2009	22:10:04.443
EGOI_091125SGEP1594.E2	25-NOV-2009	02:44:18.233
EGOI_091125SGEP1601.E2	25-NOV-2009	04:23:50.344
EGOI_091125SGEP1610.E2	25-NOV-2009	17:01:47.536

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	76327	25-NOV-2009	07:25:27.156	07:27:28.979	121.82300
KS	76328	25-NOV-2009	09:04:59.599	09:07:26.598	146.99900
KS	76329	25-NOV-2009	10:44:36.257	10:47:07.716	151.45900
KS	76330	25-NOV-2009	12:23:58.450	12:26:27.829	149.37900
KS	76331	25-NOV-2009	14:02:51.921	14:05:25.440	153.51900
KS	76332	25-NOV-2009	15:40:50.683	15:43:27.548	156.86500
KS	76333	25-NOV-2009	17:18:41.011	17:21:14.656	153.64500
KS	76334	25-NOV-2009	18:56:50.915	18:59:15.259	144.34400
KS	76335	25-NOV-2009	20:36:35.000	20:38:38.377	123.37700
KS	76336	25-NOV-2009	22:18:24.063	22:20:34.509	130.44600

GS	76324	25-NOV-2009	02:04:57.404	02:06:58.497	121.09300
GS	76325	25-NOV-2009	03:44:27.245	03:46:21.617	114.37200
MS	76323	25-NOV-2009	00:18:57.895	00:21:08.341	130.44600
MS	76329	25-NOV-2009	10:57:45.879	11:00:21.300	155.42100
MS	76330	25-NOV-2009	12:37:22.159	12:39:50.412	148.25300
MS	76336	25-NOV-2009	22:08:02.039	22:10:04.442	122.40300
MS	76337	25-NOV-2009	23:46:33.575	23:48:48.553	134.97800
MA	76328	25-NOV-2009	09:13:33.779	09:14:49.149	75.370000
MA	76329	25-NOV-2009	10:52:48.329	10:54:39.260	110.93100
MA	76336	25-NOV-2009	22:11:22.162	22:12:29.958	67.796000
MI	76324	25-NOV-2009	02:02:41.703	02:04:58.486	136.78300
MI	76325	25-NOV-2009	03:38:58.144	03:41:21.584	143.44000
MI	76331	25-NOV-2009	14:23:33.683	14:26:28.576	174.89300
MI	76332	25-NOV-2009	15:59:05.584	16:01:24.659	139.07500
MI	76333	25-NOV-2009	17:41:07.337	17:43:19.289	131.95200
MM	76323	25-NOV-2009	01:24:44.460	01:26:05.743	81.283000
MM	76324	25-NOV-2009	03:07:33.914	03:08:37.882	63.968000
MM	76327	25-NOV-2009	08:13:19.236	08:14:30.773	71.537000
MM	76328	25-NOV-2009	09:53:39.356	09:55:04.396	85.040000
SG	76324	25-NOV-2009	02:42:17.749	02:44:18.232	120.48300
SG	76325	25-NOV-2009	04:21:40.694	04:23:50.343	129.64900
SG	76332	25-NOV-2009	16:58:57.584	17:01:47.536	169.95200
CM	76324	25-NOV-2009	03:38:13.232	03:39:39.569	86.337000
CM	76332	25-NOV-2009	16:02:05.822	16:07:15.693	309.87100
CM	76333	25-NOV-2009	17:42:57.962	17:44:19.293	81.331000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	76323	25-NOV-2009	01:12:47.823	01:25:45.764	777.94100
BE	76324	25-NOV-2009	02:30:36.244	02:43:38.968	782.72400
BE	76325	25-NOV-2009	04:10:23.041	04:22:02.092	699.05100
CM	76326	25-NOV-2009	05:19:28.210	05:27:36.148	487.93800
JO	76327	25-NOV-2009	07:50:19.780	08:05:03.669	883.88900
JO	76328	25-NOV-2009	09:31:11.499	09:43:10.587	719.08800
MM	76329	25-NOV-2009	11:33:44.409	11:45:55.366	730.95700

MM	76330	25-NOV-2009	13:13:35.910	13:26:17.561	761.65100
HO	76331	25-NOV-2009	15:03:00.414	15:11:56.322	535.90800
MM	76331	25-NOV-2009	14:53:12.213	15:05:53.333	761.12000
GS	76331	25-NOV-2009	14:15:08.985	14:24:51.346	582.36100
SG	76331	25-NOV-2009	15:16:20.328	15:30:09.959	829.63100
BE	76332	25-NOV-2009	15:28:18.718	15:38:54.296	635.57800
MM	76332	25-NOV-2009	16:32:32.229	16:45:04.937	752.70800
GS	76332	25-NOV-2009	15:53:13.015	16:07:08.895	835.88000
MM	76333	25-NOV-2009	18:11:41.038	18:24:14.619	753.58100
GS	76333	25-NOV-2009	17:33:20.232	17:44:31.054	670.82200
MM	76334	25-NOV-2009	19:50:54.144	20:03:36.378	762.23400
MA	76334	25-NOV-2009	18:55:53.079	19:00:17.537	264.45800
JO	76334	25-NOV-2009	20:10:26.760	20:24:52.330	865.57000
MM	76335	25-NOV-2009	21:30:34.625	21:43:14.582	759.95700
MA	76335	25-NOV-2009	20:28:47.808	20:42:32.302	824.49400
JO	76335	25-NOV-2009	21:50:11.971	22:03:13.770	781.79900
HO	76336	25-NOV-2009	23:01:58.889	23:15:29.545	810.65600
MM	76336	25-NOV-2009	23:11:04.104	23:23:07.920	723.81600

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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

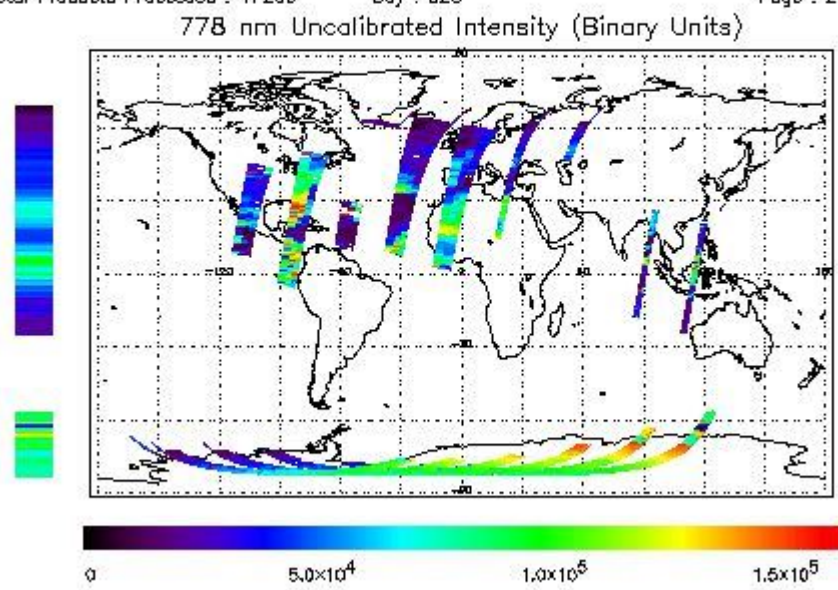
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected 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 : 25-NOV-2009 00:21:08.342 : ORBIT : 76323.0242
 Last Product : 25-NOV-2009 22:33:03.083 : ORBIT : 76336.2640
 Total Products Processed : 17268 Day : 329 Page : 21

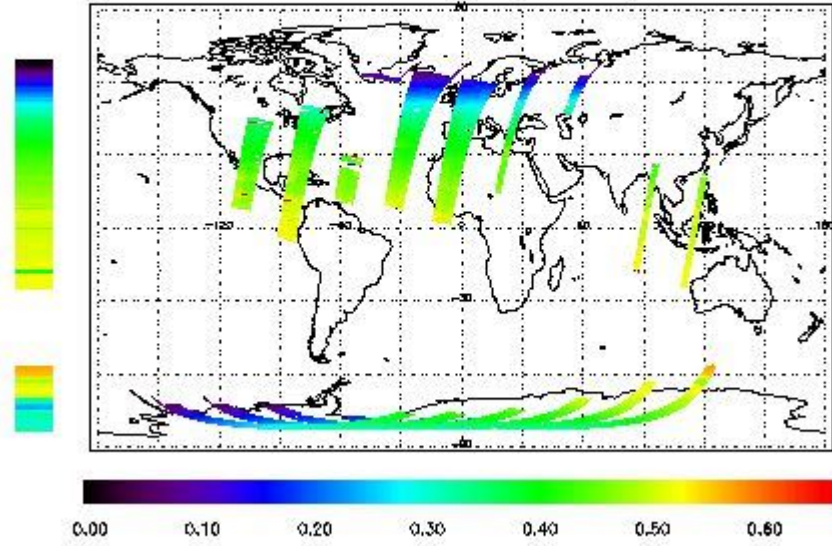


Ozone Line Ratio

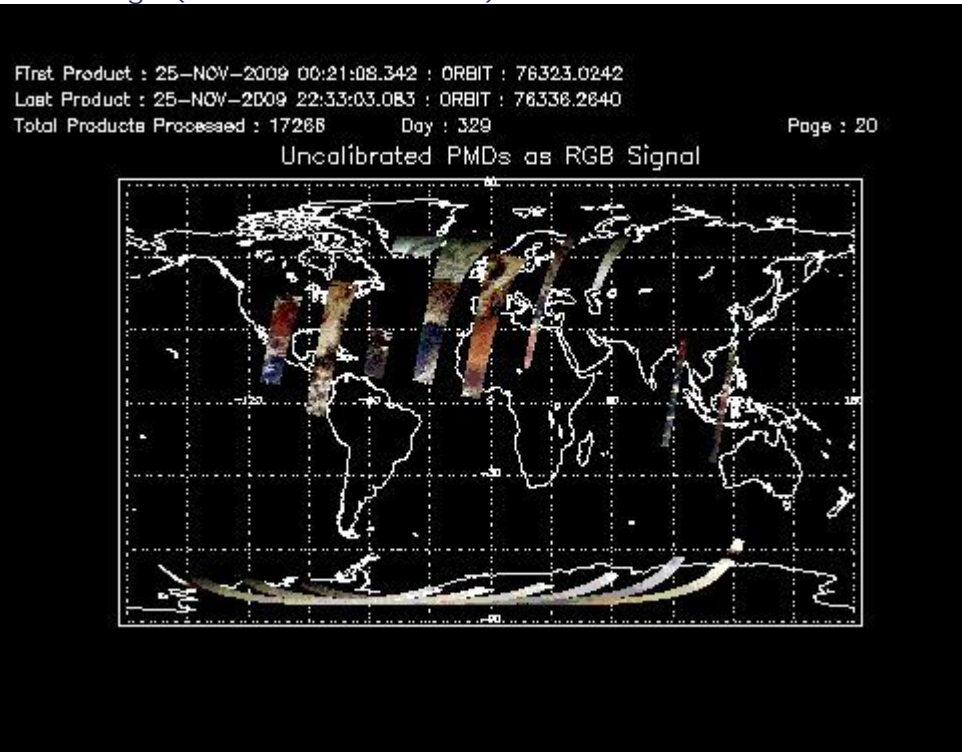
First Product : 25-NOV-2009 00:21:08.342 : ORBIT : 76323.0242
 Last Product : 25-NOV-2009 22:33:03.083 : ORBIT : 76336.2640
 Total Products Processed : 17266 Day : 329

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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	10:52:13.740	--	76329	Yes	--	15672

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
--	--	--	--	--

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
12:30	10:30	76316	76329

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