

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	26-NOV-2009
Start Time of First Product	23:48:49
Stop Time of Last Product	23:41:14
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_091126CMEP5285.E2;1	26-NOV-2009	15:33:10.894
EGOI_091126CMEP5292.E2	26-NOV-2009	17:12:08.507
EGOI_091126GSEP3889.E2	26-NOV-2009	01:36:34.221
EGOI_091126GSEP3917.E2	26-NOV-2009	03:14:34.824
EGOI_091126GSEP3927.E2	26-NOV-2009	04:57:30.966
EGOI_091126HLEP4239.E2	26-NOV-2009	22:36:46.512
EGOI_091126KSEP1788.E2	26-NOV-2009	00:05:36.656
EGOI_091126KSEP1804.E2	26-NOV-2009	06:56:12.202
EGOI_091126KSEP1827.E2	26-NOV-2009	08:36:08.315

EGOI_091126KSEP1860.E2	26-NOV-2009	10:15:47.929
EGOI_091126KSEP1886.E2	26-NOV-2009	11:55:21.549
EGOI_091126KSEP1907.E2	26-NOV-2009	13:34:17.661
EGOI_091126KSEP1935.E2	26-NOV-2009	15:12:55.769
EGOI_091126KSEP1956.E2	26-NOV-2009	16:50:30.873
EGOI_091126KSEP1989.E2	26-NOV-2009	18:28:20.981
EGOI_091126KSEP2023.E2	26-NOV-2009	20:07:05.089
EGOI_091126KSEP2055.E2	26-NOV-2009	21:48:13.212
EGOI_091126KSEP2080.E2	26-NOV-2009	23:32:15.357
EGOI_091126MAEP6250.E2	26-NOV-2009	08:44:02.365
EGOI_091126MAEP6270.E2	26-NOV-2009	20:00:50.050
EGOI_091126MIEP5590.E2	26-NOV-2009	03:10:09.297
EGOI_091126MIEP5613.E2	26-NOV-2009	04:51:41.424
EGOI_091126MIEP5635.E2	26-NOV-2009	15:30:25.879
EGOI_091126MIEP5661.E2	26-NOV-2009	17:10:32.494
EGOI_091126MSEP5550.E2	25-NOV-2009	23:48:48.554
EGOI_091126MSEP5576.E2	26-NOV-2009	10:30:15.025
EGOI_091126MSEP5605.E2	26-NOV-2009	12:08:14.128
EGOI_091126MSEP5632.E2	26-NOV-2009	21:40:25.165
EGOI_091126MSEP5642.E2	26-NOV-2009	23:17:10.763
EGOI_091126SGEP1617.E2	26-NOV-2009	02:14:26.952
EGOI_091126SGEP1625.E2	26-NOV-2009	03:51:53.059
EGOI_091126SGEP1633.E2	26-NOV-2009	14:50:19.628

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	76337	26-NOV-2009	00:03:26.996	00:05:36.655	129.65900
KS	76341	26-NOV-2009	06:54:16.628	06:56:12.202	115.57400
KS	76342	26-NOV-2009	08:33:40.964	08:36:08.314	147.35000
KS	76343	26-NOV-2009	10:13:18.638	10:15:47.928	149.29000
KS	76344	26-NOV-2009	11:52:47.254	11:55:21.549	154.29500
KS	76345	26-NOV-2009	13:31:48.751	13:34:17.660	148.90900
KS	76346	26-NOV-2009	15:10:13.450	15:12:55.768	162.31800
KS	76347	26-NOV-2009	16:47:50.069	16:50:30.872	160.80300
KS	76348	26-NOV-2009	18:25:49.993	18:28:20.980	150.98700
KS	76349	26-NOV-2009	20:05:02.627	20:07:05.089	122.46200
KS	76350	26-NOV-2009	21:46:08.055	21:48:13.211	125.15600
KS	76351	26-NOV-2009	23:29:53.914	23:32:15.357	141.44300
GS	76338	26-NOV-2009	01:34:36.102	01:36:34.220	118.11800
GS	76339	26-NOV-2009	03:12:41.413	03:14:34.824	113.41100

MS	76337	25-NOV-2009	23:46:33.575	23:48:48.553	134.97800
MS	76343	26-NOV-2009	10:27:38.211	10:30:15.024	156.81300
MS	76344	26-NOV-2009	12:05:46.930	12:08:14.127	147.19700
MS	76351	26-NOV-2009	23:14:55.090	23:17:10.762	135.67200
MS	76351	26-NOV-2009	23:19:27.278	23:28:19.210	531.93200
MA	76342	26-NOV-2009	08:42:36.013	08:44:02.364	86.351000
MA	76349	26-NOV-2009	19:58:05.952	20:00:50.049	164.09700
MI	76339	26-NOV-2009	03:07:53.181	03:10:09.297	136.11600
MI	76340	26-NOV-2009	04:49:23.754	04:51:41.423	137.66900
MI	76346	26-NOV-2009	15:28:07.077	15:30:25.879	138.80200
MI	76347	26-NOV-2009	17:08:12.215	17:10:32.493	140.27800
SG	76338	26-NOV-2009	02:12:47.313	02:14:26.952	99.639000
SG	76339	26-NOV-2009	03:49:43.231	03:51:53.059	129.82800
SG	76345	26-NOV-2009	14:45:43.137	14:50:19.627	276.49000
CM	76346	26-NOV-2009	15:31:46.187	15:33:10.894	84.707000
CM	76347	26-NOV-2009	17:10:28.923	17:12:08.507	99.584000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	76337	26-NOV-2009	00:40:48.126	00:54:59.712	851.58600
MM	76337	26-NOV-2009	00:52:36.326	01:03:14.730	638.40400
BE	76338	26-NOV-2009	01:59:48.571	02:11:35.129	706.55800
MM	76338	26-NOV-2009	02:35:10.544	02:43:37.591	507.04700
BE	76339	26-NOV-2009	03:38:46.249	03:51:40.523	774.27400
MM	76339	26-NOV-2009	04:18:15.989	04:24:32.332	376.34300
CM	76339	26-NOV-2009	03:08:07.776	03:18:10.881	603.10500
CM	76339	26-NOV-2009	04:46:36.453	04:57:51.962	675.50900
MM	76340	26-NOV-2009	06:00:37.769	06:06:38.694	360.92500
MM	76341	26-NOV-2009	07:41:42.552	07:49:42.569	480.01700
JO	76341	26-NOV-2009	07:19:54.515	07:33:24.721	810.20600
MM	76342	26-NOV-2009	09:22:09.211	09:32:26.032	616.82100
JO	76342	26-NOV-2009	08:58:44.869	09:12:51.855	846.98600
MM	76343	26-NOV-2009	11:02:18.531	11:14:10.384	711.85300
MA	76343	26-NOV-2009	10:21:21.998	10:33:34.077	732.07900
MM	76344	26-NOV-2009	12:42:14.412	12:54:50.789	756.37700

HO	76345	26-NOV-2009	14:31:02.244	14:42:51.051	708.80700
MM	76345	26-NOV-2009	14:21:55.703	14:34:38.970	763.26700
BE	76346	26-NOV-2009	14:55:51.336	15:08:21.188	749.85200
MM	76346	26-NOV-2009	16:01:20.727	16:13:55.596	754.86900
GS	76346	26-NOV-2009	15:22:04.839	15:35:37.794	812.95500
SG	76346	26-NOV-2009	16:25:28.548	16:36:57.420	688.87200
MM	76347	26-NOV-2009	17:40:31.897	17:53:03.860	751.96300
GS	76347	26-NOV-2009	17:01:41.775	17:14:24.185	762.41000
MM	76348	26-NOV-2009	19:19:41.356	19:32:20.952	759.59600
JO	76348	26-NOV-2009	19:39:58.244	19:52:38.372	760.12800
MM	76349	26-NOV-2009	20:59:10.670	21:11:53.978	763.30800
JO	76349	26-NOV-2009	21:18:27.073	21:32:58.334	871.26100
MM	76350	26-NOV-2009	22:39:22.803	22:51:42.801	739.99800
MA	76350	26-NOV-2009	21:37:41.033	21:50:26.396	765.36300

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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

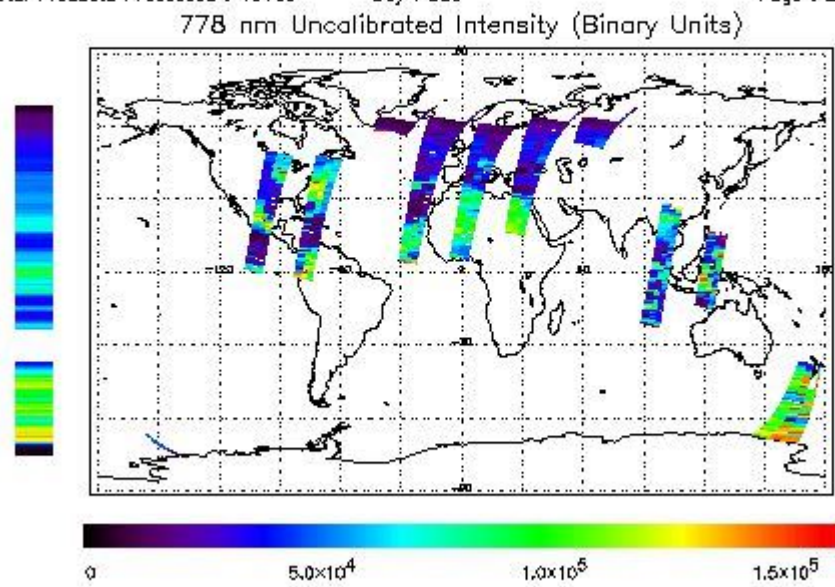
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	OK
331/338 nm Uncal. Line Ratio	OK
Uncal. PMDs 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 23:48:48.554 : ORBIT : 76337.0171
 Last Product : 26-NOV-2009 23:41:13.911 : ORBIT : 76351.2560
 Total Products Processed : 15105 Day : 330 Page : 21

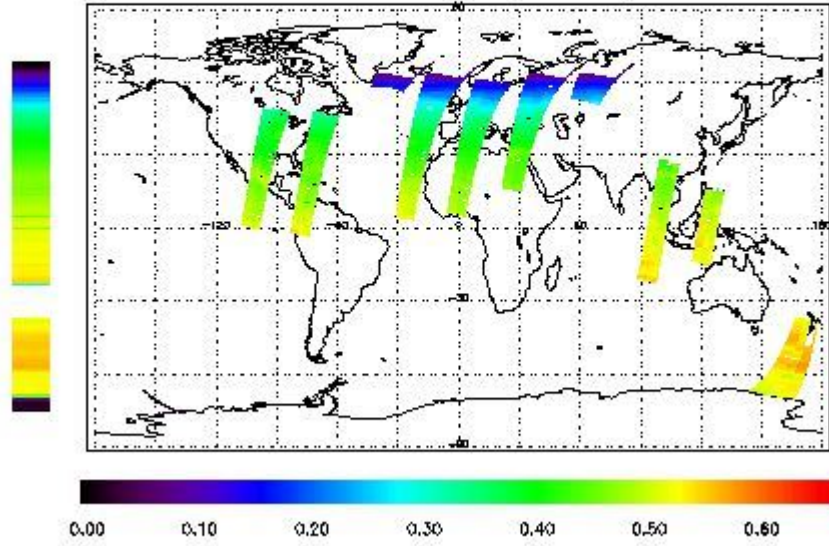


Ozone Line Ratio

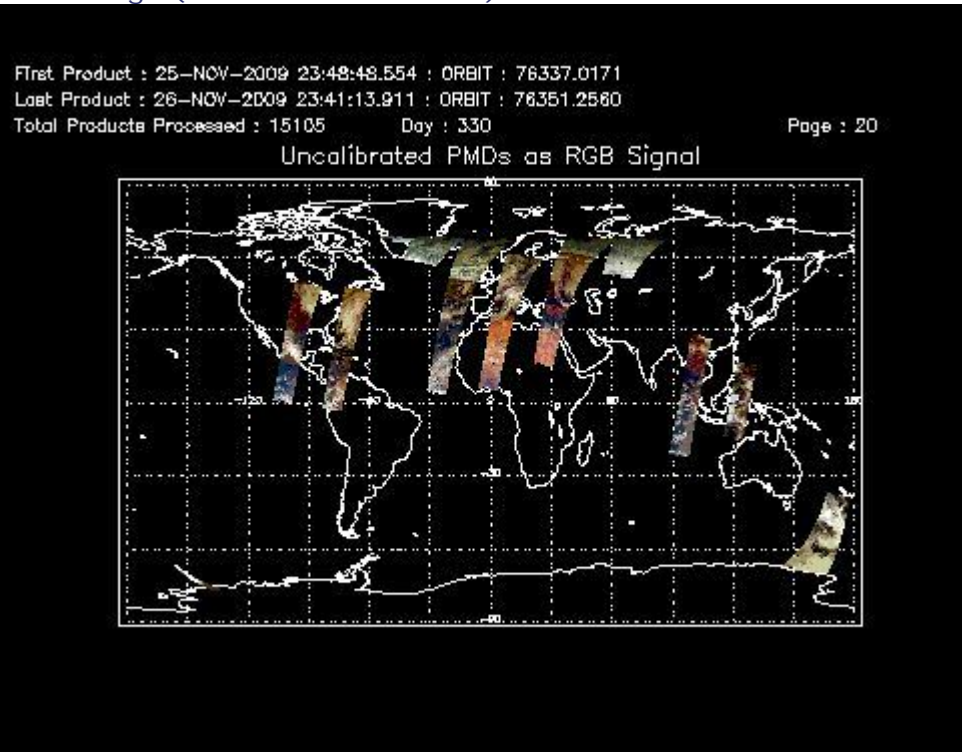
First Product : 25-NOV-2009 23:48:48.554 : ORBIT : 76337.0171
 Last Product : 26-NOV-2009 23:41:13.911 : ORBIT : 76351.2560
 Total Products Processed : 15105 Day : 330

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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	10:20:40.460	--	76343	Yes	--	15693

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
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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