

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	15-NOV-2009
Start Time of First Product	00:36:16
Stop Time of Last Product	22:47:18
Number of EGOI Products analysed	30
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath continued from previous day, end orbit 76187

1.2 - List of received products

Name	Date	Time
OI_091115BEEP1195.E2;1	15-NOV-2009	02:47:16.773
EGOI_091115BEEP1201.E2	15-NOV-2009	04:28:02.399
EGOI_091115GSEP3087.E2	15-NOV-2009	02:21:01.612
EGOI_091115GSEP3111.E2	15-NOV-2009	04:01:06.735
EGOI_091115GSEP3119.E2	15-NOV-2009	05:43:38.865
EGOI_091115KSEP8666.E2	15-NOV-2009	07:41:42.593
EGOI_091115KSEP8685.E2	15-NOV-2009	09:21:43.216
EGOI_091115KSEP8708.E2	15-NOV-2009	11:01:21.327
EGOI_091115KSEP8736.E2	15-NOV-2009	12:40:38.439

EGOI_091115KSEP8749.E2	15-NOV-2009	14:19:34.554
EGOI_091115KSEP8763.E2	15-NOV-2009	15:57:21.659
EGOI_091115KSEP8789.E2	15-NOV-2009	17:35:17.763
EGOI_091115KSEP8820.E2	15-NOV-2009	19:13:07.866
EGOI_091115KSEP8850.E2	15-NOV-2009	20:52:59.490
EGOI_091115KSEP8876.E2	15-NOV-2009	22:35:06.122
EGOI_091115MAEP5940.E2	15-NOV-2009	09:29:31.259
EGOI_091115MAEP5951.E2	15-NOV-2009	11:09:04.874
EGOI_091115MIEP4543.E2	15-NOV-2009	02:18:10.597
EGOI_091115MIEP4563.E2	15-NOV-2009	03:56:24.704
EGOI_091115MIEP4582.E2	15-NOV-2009	14:38:27.168
EGOI_091115MIEP4607.E2	15-NOV-2009	16:15:39.773
EGOI_091115MIEP4623.E2	15-NOV-2009	17:59:11.912
EGOI_091115MSEP4260.E2	15-NOV-2009	00:36:15.969
EGOI_091115MSEP4284.E2	15-NOV-2009	11:14:28.906
EGOI_091115MSEP4308.E2	15-NOV-2009	12:54:26.529
EGOI_091115MSEP4339.E2	15-NOV-2009	22:23:51.051
EGOI_091115SGEP1323.E2	15-NOV-2009	02:58:37.843
EGOI_091115SGEP1333.E2	15-NOV-2009	04:38:24.958
EGOI_091115SGEP1339.E2	15-NOV-2009	13:57:19.413
EGOI_091115SGEP1347.E2	15-NOV-2009	15:32:59.006

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	76184	15-NOV-2009	07:39:39.029	07:41:42.592	123.56300
KS	76185	15-NOV-2009	09:19:13.654	09:21:43.216	149.56200
KS	76186	15-NOV-2009	10:58:49.286	11:01:21.327	152.04100
KS	76187	15-NOV-2009	12:38:07.943	12:40:38.439	150.49600
KS	76188	15-NOV-2009	14:16:58.792	14:19:34.554	155.76200
KS	76189	15-NOV-2009	15:54:48.260	15:57:21.658	153.39800
KS	76190	15-NOV-2009	17:32:42.984	17:35:17.763	154.77900
KS	76191	15-NOV-2009	19:10:59.560	19:13:07.865	128.30500
KS	76192	15-NOV-2009	20:50:59.151	20:52:59.489	120.33800
KS	76193	15-NOV-2009	22:33:09.667	22:35:06.121	116.45400
GS	76181	15-NOV-2009	02:19:53.494	02:21:01.611	68.117000
GS	76182	15-NOV-2009	03:59:04.243	04:01:06.735	122.49200
MS	76180	15-NOV-2009	00:34:04.809	00:36:15.969	131.16000
MS	76186	15-NOV-2009	11:11:53.485	11:14:28.905	155.42000
MS	76187	15-NOV-2009	12:51:59.855	12:54:26.529	146.67400
MS	76193	15-NOV-2009	22:21:42.515	22:23:51.051	128.53600

MA	76185	15-NOV-2009	09:27:21.835	09:29:31.258	129.42300
MA	76186	15-NOV-2009	11:07:53.206	11:09:04.873	71.667000
MI	76181	15-NOV-2009	02:15:51.660	02:18:10.597	138.93700
MI	76182	15-NOV-2009	03:53:18.517	03:56:24.703	186.18600
MI	76188	15-NOV-2009	14:36:13.806	14:38:27.167	133.36100
MI	76189	15-NOV-2009	16:13:18.837	16:15:39.773	140.93600
BE	76181	15-NOV-2009	02:44:42.659	02:47:16.773	154.11400
BE	76182	15-NOV-2009	04:24:50.998	04:28:02.398	191.40000
SG	76181	15-NOV-2009	02:56:04.400	02:58:37.842	153.44200
SG	76182	15-NOV-2009	04:36:30.702	04:38:24.957	114.25500
SG	76188	15-NOV-2009	15:30:28.626	15:32:59.006	150.38000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	76179	14-NOV-2009	23:46:41.146	00:01:06.907	865.76100
MM	76179	14-NOV-2009	23:57:20.931	00:08:52.221	691.29000
HO	76180	15-NOV-2009	01:27:36.481	01:39:37.587	721.10600
MM	76180	15-NOV-2009	01:39:22.865	01:49:05.588	582.72300
GS	76180	15-NOV-2009	00:43:25.572	00:51:35.802	490.23000
MM	76181	15-NOV-2009	03:22:17.927	03:29:39.568	441.64100
CM	76181	15-NOV-2009	03:52:10.771	04:04:29.722	738.95100
MM	76182	15-NOV-2009	05:05:13.936	05:11:01.992	348.05600
MM	76183	15-NOV-2009	06:46:57.542	06:53:43.504	405.96200
KS	76183	15-NOV-2009	06:00:56.056	06:06:04.012	307.95600
CM	76183	15-NOV-2009	05:35:14.635	05:40:19.319	304.68400
JO	76183	15-NOV-2009	06:29:27.686	06:37:19.848	472.16200
MM	76184	15-NOV-2009	08:27:40.462	08:36:46.099	545.63700
JO	76184	15-NOV-2009	08:04:21.441	08:19:19.692	898.25100
MM	76185	15-NOV-2009	10:07:58.036	10:19:04.735	666.69900
JO	76185	15-NOV-2009	09:46:18.585	09:56:38.897	620.31200
HO	76186	15-NOV-2009	11:57:24.817	12:10:38.135	793.31800
MM	76186	15-NOV-2009	11:48:01.190	12:00:19.207	738.01700
HO	76187	15-NOV-2009	13:36:22.913	13:50:57.620	874.70700
MM	76187	15-NOV-2009	13:27:50.649	13:40:33.619	762.97000
BE	76188	15-NOV-2009	14:01:18.840	14:14:42.896	804.05600

HO	76188	15-NOV-2009	15:17:38.210	15:25:29.829	471.61900
MM	76188	15-NOV-2009	15:07:24.620	15:20:04.481	759.86100
GS	76188	15-NOV-2009	14:28:54.355	14:39:54.513	660.15800
BE	76189	15-NOV-2009	15:43:23.803	15:52:33.439	549.63600
MM	76189	15-NOV-2009	16:46:42.498	16:59:14.565	752.06700
GS	76189	15-NOV-2009	16:07:25.545	16:21:19.627	834.08200
CM	76189	15-NOV-2009	16:16:07.373	16:28:28.680	741.30700
MM	76190	15-NOV-2009	18:25:50.729	18:38:25.367	754.63800
GS	76190	15-NOV-2009	17:47:47.676	17:58:01.922	614.24600
CM	76190	15-NOV-2009	17:58:21.428	18:03:46.809	325.38100
MM	76191	15-NOV-2009	20:05:06.263	20:17:49.395	763.13200
MA	76191	15-NOV-2009	19:08:33.313	19:15:54.621	441.30800
JO	76191	15-NOV-2009	20:24:28.114	20:39:17.289	889.17500
MM	76192	15-NOV-2009	21:44:52.554	21:57:29.905	757.35100
MA	76192	15-NOV-2009	20:42:54.084	20:56:36.206	822.12200
JO	76192	15-NOV-2009	22:04:47.371	22:16:43.866	716.49500
HO	76193	15-NOV-2009	23:15:43.073	23:29:47.269	844.19600
MM	76193	15-NOV-2009	23:25:30.399	23:37:25.222	714.82300
MA	76193	15-NOV-2009	22:26:36.303	22:34:29.668	473.36500

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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

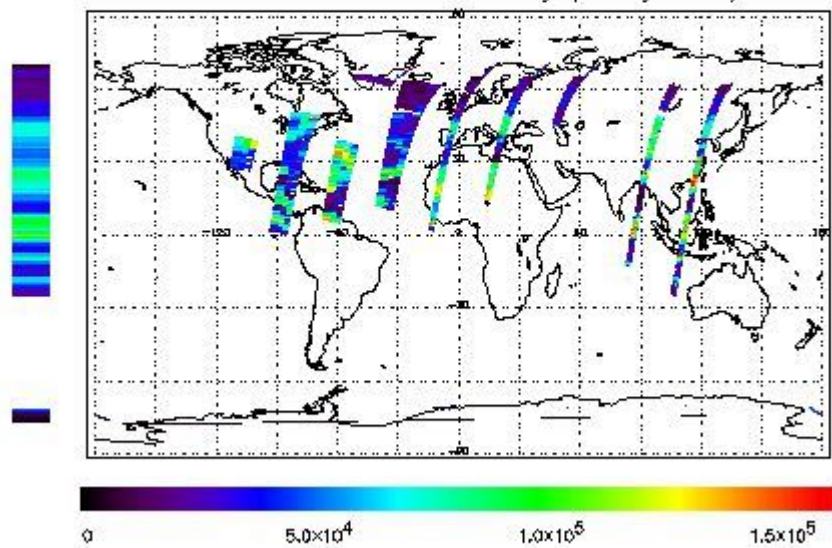
2.2 - Daily Plots

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 : 15-NOV-2009 00:36:15.969 : ORBIT : 76180.0317
 Last Product : 15-NOV-2009 22:47:18.196 : ORBIT : 76193.2628
 Total Products Processed : 14671 Day : 319 Page : 21

778 nm Uncalibrated Intensity (Binary Units)



Ozone Line Ratio

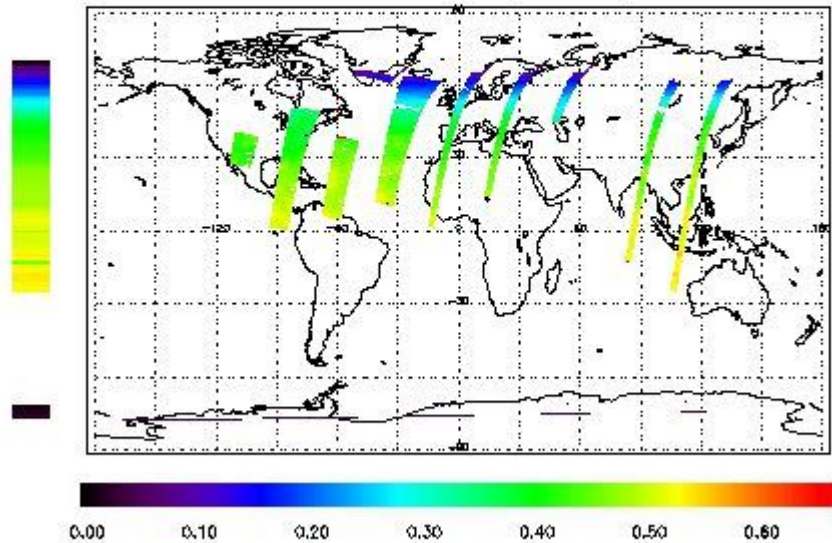
First Product : 15-NOV-2009 00:36:15.969 : ORBIT : 76180.0317

Last Product : 15-NOV-2009 22:47:18.198 : ORBIT : 76193.2628

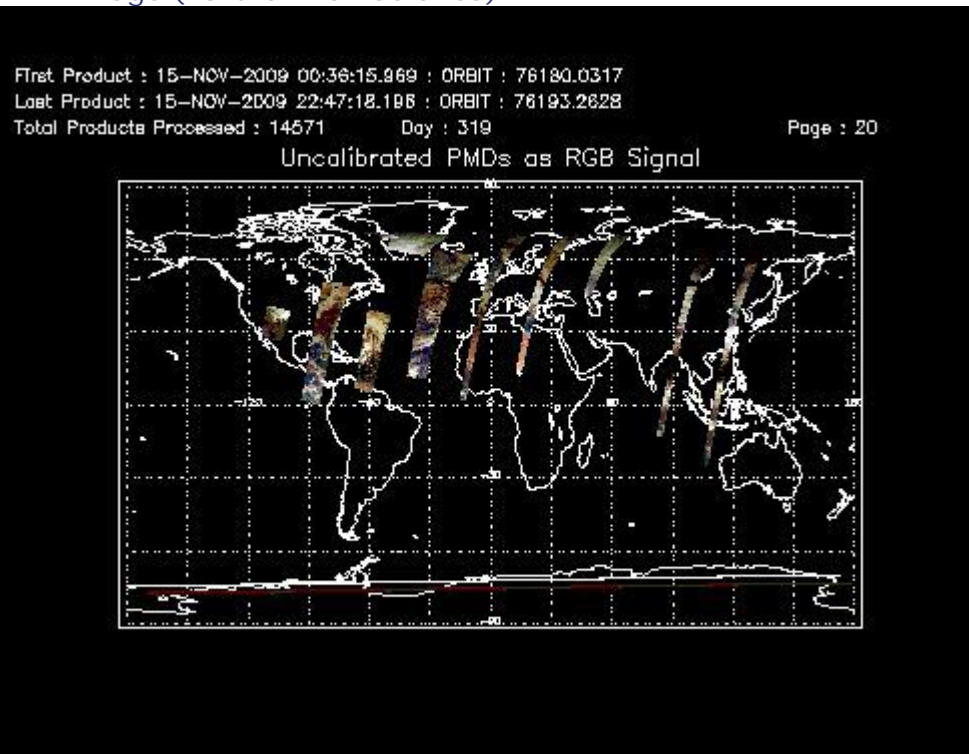
Total Products Processed : 14571 Day : 319

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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	12:46:32.470	--	76187	Yes	--	15651

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
14:30	12:00	76174	76187

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