

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	02-Nov-2009
Start Time of First Product	0:45:40
Stop Time of Last Product	22:55:51
Number of EGOI Products analysed	30
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
OI_091102BEEP1079.E2;1	02-NOV-2009	02:55:42.464
EGOI_091102BEEP1085.E2	02-NOV-2009	04:36:16.087
EGOI_091102GSEP2081.E2	02-NOV-2009	00:52:58.212
EGOI_091102GSEP2113.E2	02-NOV-2009	02:29:09.307
EGOI_091102GSEP2138.E2	02-NOV-2009	04:09:56.422
EGOI_091102GSEP2145.E2	02-NOV-2009	05:52:16.551
EGOI_091102KSEP4958.E2	02-NOV-2009	06:10:48.162
EGOI_091102KSEP4988.E2	02-NOV-2009	07:50:42.780
EGOI_091102KSEP5018.E2	02-NOV-2009	09:30:17.894

EGOI_091102KSEP5053.E2	02-NOV-2009	11:09:54.506
EGOI_091102KSEP5085.E2	02-NOV-2009	12:49:10.113
EGOI_091102KSEP5108.E2	02-NOV-2009	14:28:01.720
EGOI_091102KSEP5127.E2	02-NOV-2009	16:05:45.824
EGOI_091102KSEP5157.E2	02-NOV-2009	17:43:41.932
EGOI_091102KSEP5193.E2	02-NOV-2009	19:21:38.027
EGOI_091102KSEP5227.E2	02-NOV-2009	21:01:53.647
EGOI_091102KSEP5256.E2	02-NOV-2009	22:44:10.775
EGOI_091102MAEP5557.E2	02-NOV-2009	09:38:01.441
EGOI_091102MIEP3214.E2	02-NOV-2009	02:26:15.288
EGOI_091102MIEP3234.E2	02-NOV-2009	04:05:05.391
EGOI_091102MIEP3255.E2	02-NOV-2009	14:46:27.334
EGOI_091102MIEP3283.E2	02-NOV-2009	16:24:18.938
EGOI_091102MSEP2707.E2	02-NOV-2009	00:45:40.165
EGOI_091102MSEP2726.E2	02-NOV-2009	11:23:00.584
EGOI_091102MSEP2751.E2	02-NOV-2009	13:03:22.203
EGOI_091102MSEP2782.E2	02-NOV-2009	22:32:13.708
EGOI_091102SGEP0914.E2	02-NOV-2009	03:07:00.534
EGOI_091102SGEP0923.E2	02-NOV-2009	04:47:32.653
EGOI_091102SGEP0931.E2	02-NOV-2009	14:05:00.079
EGOI_091102SGEP0937.E2	02-NOV-2009	15:41:41.176

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75997	02-NOV-2009	06:09:15.842	06:10:48.161	92.319000
KS	75998	02-NOV-2009	07:48:10.485	07:50:42.780	152.29500
KS	75999	02-NOV-2009	09:27:46.090	09:30:17.893	151.80300
KS	76000	02-NOV-2009	11:07:20.944	11:09:54.506	153.56200
KS	76001	02-NOV-2009	12:46:37.287	12:49:10.113	152.82600
KS	76002	02-NOV-2009	14:25:25.329	14:28:01.719	156.39000
KS	76003	02-NOV-2009	16:03:10.633	16:05:45.824	155.19100
KS	76004	02-NOV-2009	17:41:05.863	17:43:41.931	156.06800
KS	76005	02-NOV-2009	19:19:29.650	19:21:38.027	128.37700
KS	76006	02-NOV-2009	20:59:38.901	21:01:53.647	134.74600
KS	76007	02-NOV-2009	22:42:02.861	22:44:10.774	127.91300
GS	75994	02-NOV-2009	00:51:22.213	00:52:58.211	95.998000
GS	75995	02-NOV-2009	02:28:06.783	02:29:09.307	62.524000
GS	75996	02-NOV-2009	04:07:54.215	04:09:56.421	122.20600
MS	75994	02-NOV-2009	00:43:20.774	00:45:40.165	139.39100
MS	76000	02-NOV-2009	11:20:20.140	11:23:00.583	160.44300

MS	76001	02-NOV-2009	13:00:48.427	13:03:22.202	153.77500
MS	76007	02-NOV-2009	22:29:59.130	22:32:13.708	134.57800
MA	75999	02-NOV-2009	09:35:51.189	09:38:01.440	130.25100
MI	75995	02-NOV-2009	02:23:53.901	02:26:15.288	141.38700
MI	75996	02-NOV-2009	04:01:58.829	04:05:05.391	186.56200
MI	76002	02-NOV-2009	14:44:10.847	14:46:27.333	136.48600
MI	76003	02-NOV-2009	16:21:53.209	16:24:18.937	145.72800
BE	75995	02-NOV-2009	02:53:12.076	02:55:42.463	150.38700
BE	75996	02-NOV-2009	04:33:34.075	04:36:16.086	162.01100
SG	75995	02-NOV-2009	03:04:24.980	03:07:00.534	155.55400
SG	75996	02-NOV-2009	04:45:33.364	04:47:32.652	119.28800
SG	76001	02-NOV-2009	14:03:05.242	14:05:00.078	114.83600
SG	76002	02-NOV-2009	15:39:01.305	15:41:41.175	159.87000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	75993	01-NOV-2009	23:55:08.668	00:09:38.960	870.29200
MM	75993	02-NOV-2009	00:06:03.118	00:17:27.085	683.96700
HO	75994	02-NOV-2009	01:36:27.763	01:47:54.310	686.54700
MM	75994	02-NOV-2009	01:48:10.466	01:57:41.787	571.32100
MM	75995	02-NOV-2009	03:31:08.406	03:38:18.375	429.96900
CM	75995	02-NOV-2009	04:00:37.637	04:13:02.217	744.58000
MM	75996	02-NOV-2009	05:14:00.531	05:19:47.137	346.60600
MM	75997	02-NOV-2009	06:55:37.188	07:02:33.885	416.69700
JO	75997	02-NOV-2009	06:37:08.202	06:46:24.582	556.38000
MM	75998	02-NOV-2009	08:36:16.968	08:45:34.521	557.55300
MA	75998	02-NOV-2009	07:59:07.281	08:07:05.946	478.66500
JO	75998	02-NOV-2009	08:12:49.801	08:27:51.289	901.48800
MM	75999	02-NOV-2009	10:16:33.110	10:27:47.977	674.86700
JO	75999	02-NOV-2009	09:55:33.881	10:04:34.024	540.14300
MM	76000	02-NOV-2009	11:56:35.129	12:08:56.914	741.78500
MA	76000	02-NOV-2009	11:16:39.220	11:25:26.186	526.96600
MM	76001	02-NOV-2009	13:36:23.341	13:49:06.820	763.47900
BE	76002	02-NOV-2009	14:09:49.229	14:23:14.126	804.89700
MM	76002	02-NOV-2009	15:15:55.900	15:28:34.964	759.06400

GS	76002	02-NOV-2009	14:37:13.496	14:48:09.175	655.67900
BE	76003	02-NOV-2009	15:52:36.329	16:00:37.297	480.96800
MM	76003	02-NOV-2009	16:55:12.555	17:07:44.355	751.80000
GS	76003	02-NOV-2009	16:15:57.958	16:29:47.522	829.56400
CM	76003	02-NOV-2009	16:24:35.739	16:37:00.947	745.20800
MM	76004	02-NOV-2009	18:34:20.602	18:46:55.950	755.34800
GS	76004	02-NOV-2009	17:56:30.023	18:06:04.744	574.72100
CM	76004	02-NOV-2009	18:08:27.018	18:10:30.028	123.01000
MM	76005	02-NOV-2009	20:13:37.831	20:26:21.373	763.54200
MA	76005	02-NOV-2009	19:16:24.880	19:24:43.807	498.92700
JO	76005	02-NOV-2009	20:32:55.329	20:47:52.654	897.32500
HO	76006	02-NOV-2009	21:48:52.715	21:57:36.762	524.04700
MM	76006	02-NOV-2009	21:53:27.819	22:06:03.242	755.42300
MA	76006	02-NOV-2009	20:51:24.561	21:05:07.302	822.74100
HO	76007	02-NOV-2009	23:24:07.230	23:38:20.654	853.42400
MM	76007	02-NOV-2009	23:34:10.810	23:45:59.730	708.92000
MA	76007	02-NOV-2009	22:35:59.230	22:42:28.654	389.42400

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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

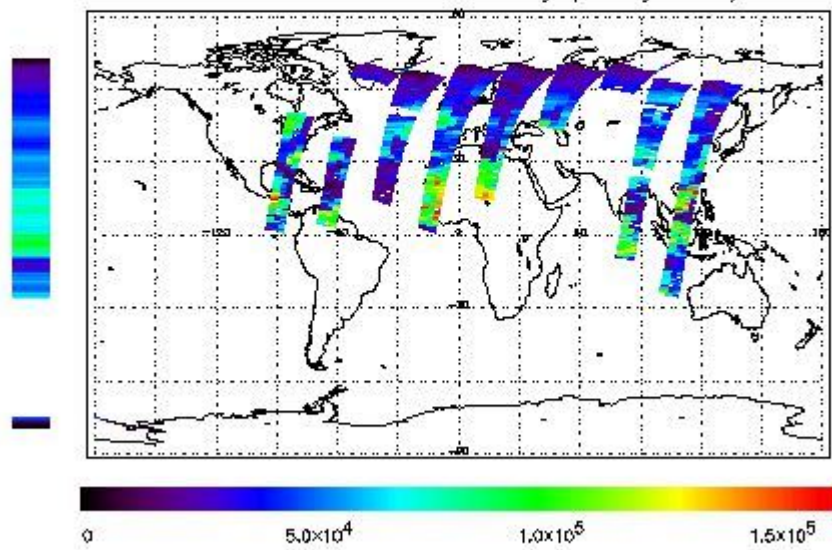
2.2 - Daily Plots

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 : 02-NOV-2009 00:45:40.165 : ORBIT : 75994.0394
 Last Product : 02-NOV-2009 22:55:51.349 : ORBIT : 76007.2621
 Total Products Processed : 14708 Day : 306 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

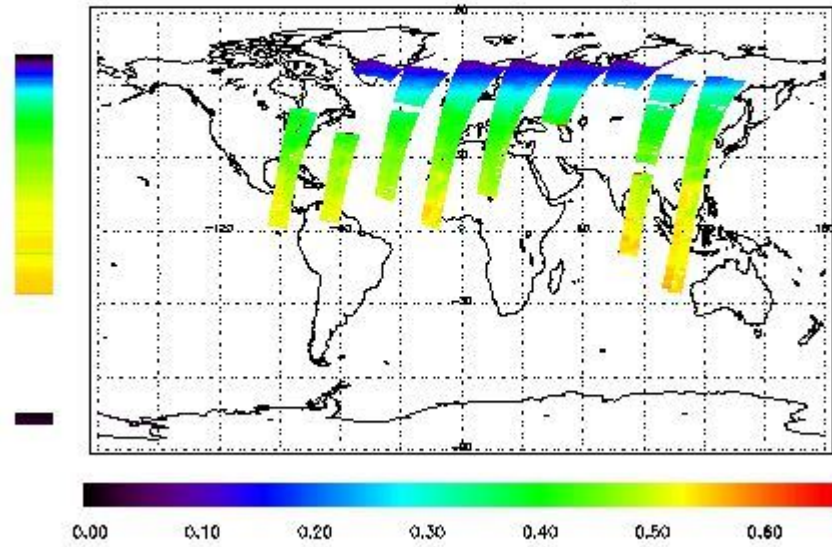


Ozone Line Ratio

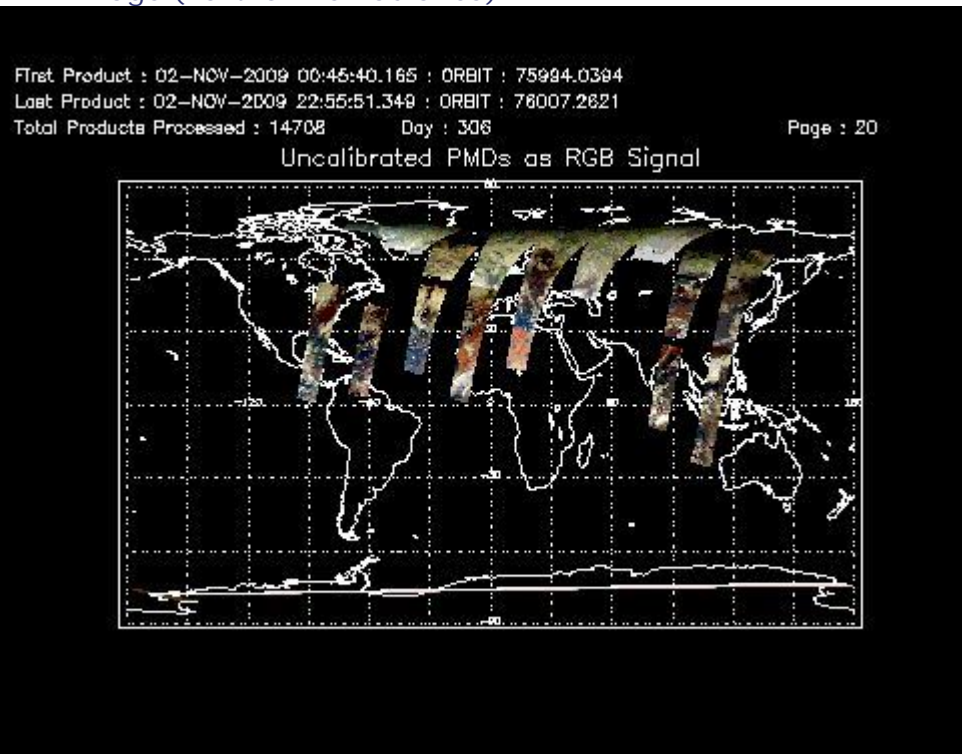
First Product : 02-NOV-2009 00:45:40.165 : ORBIT : 75994.0394
 Last Product : 02-NOV-2009 22:55:51.349 : ORBIT : 76007.2621
 Total Products Processed : 14708 Day : 306

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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	12:54:04.140	--	76001	Yes	--	15499

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