

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	11-Sep-2010
Start Time of First Product	00:06:01
Stop Time of Last Product	23:47:37
Number of EGOI Products analysed	39
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100911GSEP4747.E2	11-SEP-2010	01:52:50.045
EGOI_100911GSEP4778.E2	11-SEP-2010	03:31:28.143
EGOI_100911GSEP4786.E2	11-SEP-2010	05:14:27.280
EGOI_100911HLEP7649.E2	11-SEP-2010	14:50:32.287
EGOI_100911KSEP4705.E2	11-SEP-2010	07:12:51.995
EGOI_100911KSEP4725.E2	11-SEP-2010	08:52:54.110
EGOI_100911KSEP4746.E2	11-SEP-2010	10:32:36.713
EGOI_100911KSEP4772.E2	11-SEP-2010	12:11:59.820
EGOI_100911KSEP4785.E2	11-SEP-2010	13:50:58.926

EGOI_100911KSEP4810.E2	11-SEP-2010	15:29:20.525
EGOI_100911KSEP4839.E2	11-SEP-2010	17:06:48.117
EGOI_100911KSEP4870.E2	11-SEP-2010	18:44:50.216
EGOI_100911KSEP4891.E2	11-SEP-2010	20:23:55.322
EGOI_100911KSEP4918.E2	11-SEP-2010	22:05:34.945
EGOI_100911MAEP6944.E2	11-SEP-2010	09:00:19.647
EGOI_100911MAEP6954.E2	11-SEP-2010	10:40:05.258
EGOI_100911MAEP6970.E2	11-SEP-2010	20:17:07.278
EGOI_100911MIEP0491.E2	11-SEP-2010	01:51:48.537
EGOI_100911MIEP0516.E2	11-SEP-2010	03:28:38.627
EGOI_100911MIEP0539.E2	11-SEP-2010	05:09:55.748
EGOI_100911MIEP0548.E2	11-SEP-2010	15:47:01.134
EGOI_100911MIEP0567.E2	11-SEP-2010	17:27:55.746
EGOI_100911MMEP4783.E2	11-SEP-2010	01:11:15.295
EGOI_100911MMEP4788.E2	11-SEP-2010	02:53:41.412
EGOI_100911MMEP4798.E2	11-SEP-2010	04:36:24.041
EGOI_100911MMEP4805.E2	11-SEP-2010	06:18:35.162
EGOI_100911MMEP4811.E2	11-SEP-2010	07:59:52.282
EGOI_100911MMEP4818.E2	11-SEP-2010	09:40:30.397
EGOI_100911MMEP4826.E2	11-SEP-2010	11:20:46.006
EGOI_100911MMEP4840.E2	11-SEP-2010	21:18:01.654
EGOI_100911MSEP9074.E2	11-SEP-2010	00:06:01.392
EGOI_100911MSEP9096.E2	11-SEP-2010	10:46:21.795
EGOI_100911MSEP9124.E2	11-SEP-2010	12:25:19.403
EGOI_100911MSEP9153.E2	11-SEP-2010	21:56:12.386
EGOI_100911MSEP9184.E2	11-SEP-2010	23:34:09.981
EGOI_100911SGEP8068.E2	11-SEP-2010	02:30:42.772
EGOI_100911SGEP8075.E2	11-SEP-2010	04:09:04.373
EGOI_100911SGEP8081.E2	11-SEP-2010	15:05:39.880
EGOI_100911SGEP8089.E2	11-SEP-2010	16:45:44.992

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	80478	11-SEP-2010	07:11:16.175	07:12:51.994	95.819000
KS	80479	11-SEP-2010	08:50:45.601	08:52:54.109	128.50800
KS	80480	11-SEP-2010	10:30:22.937	10:32:36.712	133.77500
KS	80481	11-SEP-2010	12:09:48.277	12:11:59.819	131.54200
KS	80482	11-SEP-2010	13:48:43.192	13:50:58.926	135.73400
KS	80483	11-SEP-2010	15:26:52.612	15:29:20.524	147.91200
KS	80484	11-SEP-2010	17:04:34.642	17:06:48.116	133.47400
KS	80485	11-SEP-2010	18:42:44.052	18:44:50.215	126.16300

KS	80486	11-SEP-2010	20:22:13.381	20:23:55.321	101.94000
KS	80487	11-SEP-2010	22:03:42.047	22:05:34.944	112.89700
KS	80488	11-SEP-2010	23:48:06.104	23:49:19.070	72.966000
GS	80475	11-SEP-2010	01:51:06.169	01:52:50.045	103.87600
GS	80476	11-SEP-2010	03:29:57.219	03:31:28.142	90.923000
MS	80474	11-SEP-2010	00:04:07.180	00:06:01.392	114.21200
MS	80480	11-SEP-2010	10:44:06.300	10:46:21.795	135.49500
MS	80481	11-SEP-2010	12:23:00.977	12:25:19.403	138.42600
MS	80487	11-SEP-2010	21:54:32.069	21:56:12.386	100.31700
MS	80488	11-SEP-2010	23:32:05.797	23:34:09.980	124.18300
MA	80480	11-SEP-2010	10:38:24.001	10:40:05.257	101.25600
MA	80486	11-SEP-2010	20:14:47.163	20:17:07.278	140.11500
MI	80475	11-SEP-2010	01:50:00.770	01:51:48.537	107.76700
MI	80476	11-SEP-2010	03:24:45.763	03:28:38.626	232.86300
MI	80477	11-SEP-2010	05:08:10.371	05:09:55.748	105.37700
MI	80483	11-SEP-2010	15:44:57.454	15:47:01.133	123.67900
MI	80484	11-SEP-2010	17:25:57.651	17:27:55.746	118.09500
MM	80474	11-SEP-2010	01:10:07.275	01:11:15.295	68.020000
MM	80479	11-SEP-2010	09:39:20.384	09:40:30.396	70.012000
MM	80480	11-SEP-2010	11:19:27.355	11:20:46.005	78.650000
MM	80486	11-SEP-2010	21:16:17.711	21:18:01.653	103.94200
SG	80475	11-SEP-2010	02:28:42.791	02:30:42.771	119.98000
SG	80475	11-SEP-2010	02:35:59.306	02:40:03.088	243.78200
SG	80476	11-SEP-2010	04:07:03.380	04:09:04.373	120.99300
SG	80476	11-SEP-2010	04:17:58.422	04:19:55.308	116.88600
SG	80482	11-SEP-2010	15:02:19.959	15:05:39.879	199.92000
SG	80483	11-SEP-2010	16:43:27.277	16:45:44.992	137.71500

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	80474	11-SEP-2010	00:58:16.114	01:11:47.918	811.80400
KS	80474	11-SEP-2010	00:22:22.252	00:24:51.690	149.43800
BE	80475	11-SEP-2010	02:16:33.579	02:29:09.380	755.80100
BE	80476	11-SEP-2010	03:55:58.947	04:08:18.213	739.26600
CM	80476	11-SEP-2010	03:24:25.503	03:35:43.192	677.68900

CM	80476	11-SEP-2010	05:04:20.724	05:14:15.474	594.75000
JO	80478	11-SEP-2010	07:36:25.380	07:50:43.346	857.96600
JO	80479	11-SEP-2010	09:16:19.945	09:29:29.169	789.22400
MM	80481	11-SEP-2010	12:59:20.866	13:12:00.549	759.68300
HO	80482	11-SEP-2010	14:48:25.322	14:58:21.872	596.55000
MM	80482	11-SEP-2010	14:38:59.460	14:51:41.692	762.23200
GS	80482	11-SEP-2010	14:01:36.448	14:09:31.193	474.74500
SG	80482	11-SEP-2010	15:02:19.959	15:15:51.287	811.32800
BE	80483	11-SEP-2010	15:13:27.415	15:25:05.071	697.65600
MM	80483	11-SEP-2010	16:18:21.717	16:30:55.290	753.57300
GS	80483	11-SEP-2010	15:39:02.486	15:52:52.733	830.24700
CM	80483	11-SEP-2010	15:48:12.411	15:59:36.670	684.25900
MM	80484	11-SEP-2010	17:57:31.424	18:10:04.133	752.70900
GS	80484	11-SEP-2010	17:18:55.846	17:30:53.404	717.55800
CM	80484	11-SEP-2010	17:28:03.523	17:37:52.549	589.02600
MM	80485	11-SEP-2010	19:36:42.587	19:49:23.708	761.12100
JO	80485	11-SEP-2010	19:56:31.194	20:10:19.133	827.93900
JO	80486	11-SEP-2010	21:35:43.014	21:49:33.651	830.63700
HO	80487	11-SEP-2010	22:48:03.694	23:01:09.897	786.20300
MM	80487	11-SEP-2010	22:56:39.111	23:08:50.884	731.77300
MA	80487	11-SEP-2010	21:55:51.159	22:07:08.378	677.21900

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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

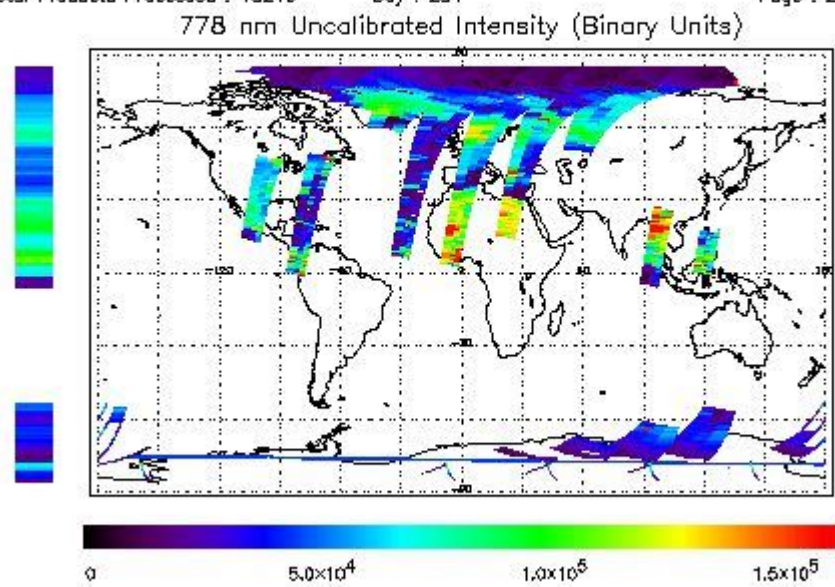
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	OK
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperatures B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. 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 : 11-SEP-2010 00:06:01.392 : ORBIT : 80474.0168
 Last Product : 11-SEP-2010 23:47:37.063 : ORBIT : 80488.1481
 Total Products Processed : 18249 Day : 254 Page : 21

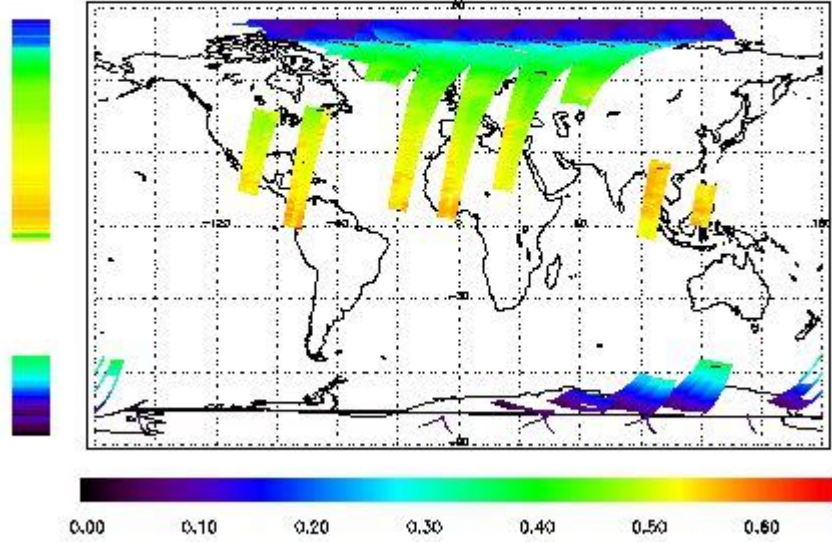


Ozone Line Ratio

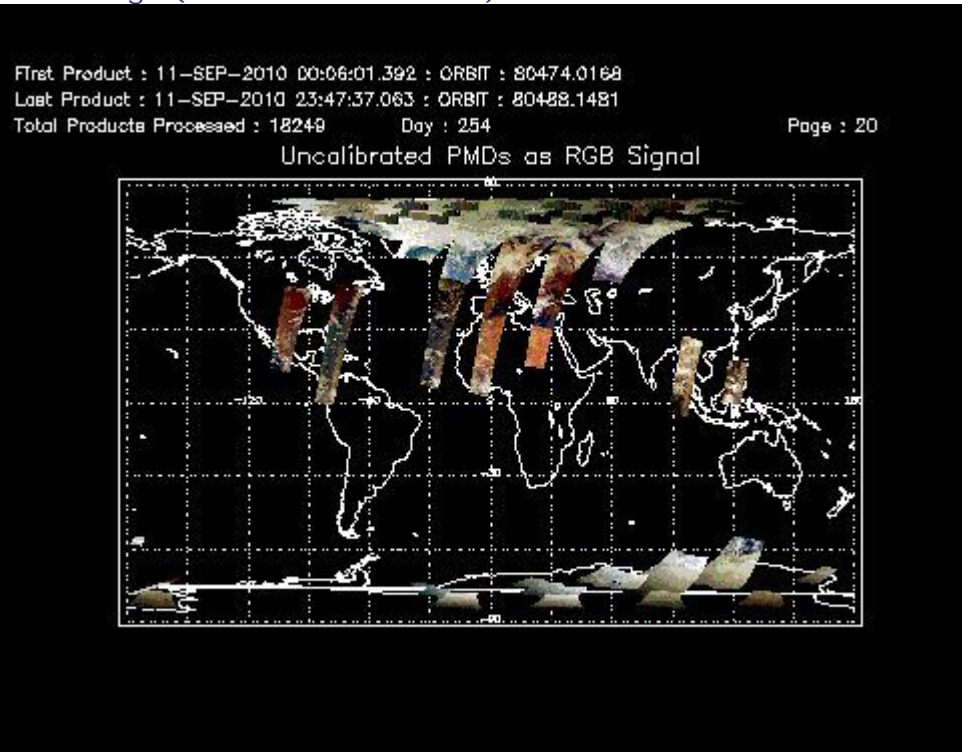
First Product : 11-SEP-2010 00:06:01.392 : ORBIT : 80474.0168
 Last Product : 11-SEP-2010 23:47:37.063 : ORBIT : 80488.1481
 Total Products Processed : 18249 Day : 254

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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	18:52:57.766	--	80485	Yes	--	15003

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
--	--	--	--	--

4.2 - Instrument Off

Start Time	End Time	Start Orbit	End Orbit	MPS Resumption	Ground Station Visibility
--	--	--	--	--	--

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
--	--	--	--	--	--	--	--	--

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
01:00	--	80388	--

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