

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	16_FEB-2011
Start Time of First Product	00:41:59
Stop Time of Last Product	22:53:02
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
EGOI_110216CMEP4166.E2	16-FEB-2011	04:02:12.549
EGOI_110216CMEP4172.E2	16-FEB-2011	05:42:02.668
EGOI_110216CMEP4178.E2	16-FEB-2011	16:23:14.133
EGOI_110216CMEP4190.E2	16-FEB-2011	18:05:07.261
EGOI_110216GSEP5969.E2	16-FEB-2011	02:26:23.958
EGOI_110216GSEP5994.E2	16-FEB-2011	04:06:59.080
EGOI_110216GSEP6001.E2	16-FEB-2011	05:49:26.718
EGOI_110216KSEP2446.E2	16-FEB-2011	07:47:25.946
EGOI_110216KSEP2466.E2	16-FEB-2011	09:27:26.561

EGOI_110216KSEP2490.E2	16-FEB-2011	11:07:03.177
EGOI_110216KSEP2516.E2	16-FEB-2011	12:46:18.792
EGOI_110216KSEP2526.E2	16-FEB-2011	14:25:11.908
EGOI_110216KSEP2537.E2	16-FEB-2011	16:03:17.008
EGOI_110216KSEP2564.E2	16-FEB-2011	17:40:58.112
EGOI_110216KSEP2596.E2	16-FEB-2011	19:18:46.715
EGOI_110216KSEP2627.E2	16-FEB-2011	20:58:45.832
EGOI_110216KSEP2654.E2	16-FEB-2011	22:41:10.470
EGOI_110216MAEP2863.E2	16-FEB-2011	09:34:41.608
EGOI_110216MAEP2872.E2	16-FEB-2011	11:14:45.223
EGOI_110216MIEP3478.E2	16-FEB-2011	02:23:35.942
EGOI_110216MIEP3499.E2	16-FEB-2011	04:02:11.049
EGOI_110216MIEP3518.E2	16-FEB-2011	14:43:49.518
EGOI_110216MIEP3546.E2	16-FEB-2011	16:21:27.626
EGOI_110216MSEP7368.E2	16-FEB-2011	00:41:59.311
EGOI_110216MSEP7391.E2	16-FEB-2011	11:20:10.759
EGOI_110216MSEP7415.E2	16-FEB-2011	13:00:24.882
EGOI_110216MSEP7448.E2	16-FEB-2011	22:29:04.392
EGOI_110216SGEP1569.E2	16-FEB-2011	03:04:34.693
EGOI_110216SGEP1577.E2	16-FEB-2011	04:44:24.811
EGOI_110216SGEP1584.E2	16-FEB-2011	14:02:10.260

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82740	16-FEB-2011	07:45:19.978	07:47:25.945	125.96700
KS	82741	16-FEB-2011	09:24:55.281	09:27:26.560	151.27900
KS	82742	16-FEB-2011	11:04:30.408	11:07:03.177	152.76900
KS	82743	16-FEB-2011	12:43:47.538	12:46:18.791	151.25300
KS	82744	16-FEB-2011	14:22:36.519	14:25:11.908	155.38900
KS	82745	16-FEB-2011	16:00:23.189	16:03:17.008	173.81900
KS	82746	16-FEB-2011	17:38:18.198	17:40:58.112	159.91400
KS	82747	16-FEB-2011	19:16:39.545	19:18:46.714	127.16900
KS	82748	16-FEB-2011	20:56:45.546	20:58:45.831	120.28500
KS	82749	16-FEB-2011	22:39:04.973	22:41:10.470	125.49700
GS	82738	16-FEB-2011	04:04:57.220	04:06:59.080	121.86000
MS	82736	16-FEB-2011	00:40:14.141	00:41:59.311	105.17000
MS	82742	16-FEB-2011	11:17:31.030	11:20:10.759	159.72900
MS	82743	16-FEB-2011	12:57:51.169	13:00:24.881	153.71200
MS	82749	16-FEB-2011	22:27:13.255	22:29:04.392	111.13700
MA	82741	16-FEB-2011	09:33:01.275	09:34:41.607	100.33200

MA	82742	16-FEB-2011	11:13:43.567	11:14:45.222	61.655000
MI	82737	16-FEB-2011	02:21:12.586	02:23:35.942	143.35600
MI	82738	16-FEB-2011	03:59:05.035	04:02:11.049	186.01400
MI	82744	16-FEB-2011	14:41:30.803	14:43:49.518	138.71500
MI	82745	16-FEB-2011	16:19:01.550	16:21:27.626	146.07600
SG	82737	16-FEB-2011	03:01:37.770	03:04:34.692	176.92200
SG	82738	16-FEB-2011	04:42:31.564	04:44:24.810	113.24600
SG	82743	16-FEB-2011	14:00:35.362	14:02:10.260	94.898000
CM	82745	16-FEB-2011	16:21:46.012	16:23:14.133	88.121000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	82735	15-FEB-2011	23:52:19.126	00:06:48.355	869.22900
MM	82735	16-FEB-2011	00:03:09.004	00:14:35.455	686.45100
HO	82736	16-FEB-2011	01:33:31.005	01:45:08.441	697.43600
MM	82736	16-FEB-2011	01:45:14.555	01:54:49.707	575.15200
GS	82736	16-FEB-2011	00:48:42.894	00:57:26.791	523.89700
BE	82737	16-FEB-2011	02:50:22.148	03:03:44.530	802.38200
MM	82737	16-FEB-2011	03:28:11.580	03:35:25.401	433.82100
CM	82737	16-FEB-2011	03:57:48.330	04:10:11.653	743.32300
BE	82738	16-FEB-2011	04:30:39.498	04:41:02.458	622.96000
MM	82738	16-FEB-2011	05:11:05.072	05:16:52.015	346.94300
MM	82739	16-FEB-2011	06:52:44.022	06:59:37.082	413.06000
KS	82739	16-FEB-2011	06:06:28.815	06:12:13.970	345.15500
JO	82739	16-FEB-2011	06:34:33.509	06:43:24.015	530.50600
MM	82740	16-FEB-2011	08:33:24.820	08:42:38.423	553.60300
MA	82740	16-FEB-2011	07:55:59.131	08:01:45.736	346.60500
JO	82740	16-FEB-2011	08:10:00.072	08:25:00.927	900.85500
MM	82741	16-FEB-2011	10:13:41.432	10:24:53.619	672.18700
JO	82741	16-FEB-2011	09:52:27.585	10:01:56.749	569.16400
HO	82742	16-FEB-2011	12:03:02.251	12:16:30.725	808.47400
MM	82742	16-FEB-2011	11:53:43.829	12:06:04.396	740.56700
HO	82743	16-FEB-2011	13:42:05.676	13:56:32.610	866.93400
MM	82743	16-FEB-2011	13:33:32.458	13:46:15.790	763.33200
SG	82743	16-FEB-2011	14:00:35.362	14:07:31.788	416.42600

BE	82744	16-FEB-2011	14:06:58.852	14:20:23.830	804.97800
HO	82744	16-FEB-2011	15:23:29.994	15:30:49.089	439.09500
MM	82744	16-FEB-2011	15:13:05.488	15:25:44.820	759.33200
GS	82744	16-FEB-2011	14:34:26.851	14:45:24.785	657.93400
BE	82745	16-FEB-2011	15:49:31.147	15:57:56.864	505.71700
MM	82745	16-FEB-2011	16:52:22.546	17:04:54.425	751.87900
GS	82745	16-FEB-2011	16:13:07.083	16:26:58.436	831.35300
MM	82746	16-FEB-2011	18:31:30.641	18:44:05.746	755.10500
GS	82746	16-FEB-2011	17:53:35.726	18:03:24.140	588.41400
MM	82747	16-FEB-2011	20:10:47.284	20:23:30.702	763.41800
MA	82747	16-FEB-2011	19:13:16.671	19:21:17.612	480.94100
JO	82747	16-FEB-2011	20:30:06.071	20:45:01.158	895.08700
HO	82748	16-FEB-2011	21:46:15.820	21:54:40.216	504.39600
MM	82748	16-FEB-2011	21:50:36.022	22:03:12.120	756.09800
MA	82748	16-FEB-2011	20:48:34.176	21:02:17.068	822.89200
JO	82748	16-FEB-2011	22:10:39.808	22:22:04.567	684.75900
HO	82749	16-FEB-2011	23:21:18.969	23:35:29.599	850.63000
MM	82749	16-FEB-2011	23:31:17.289	23:43:08.219	710.93000
MA	82749	16-FEB-2011	22:32:49.837	22:39:50.151	420.31400

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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

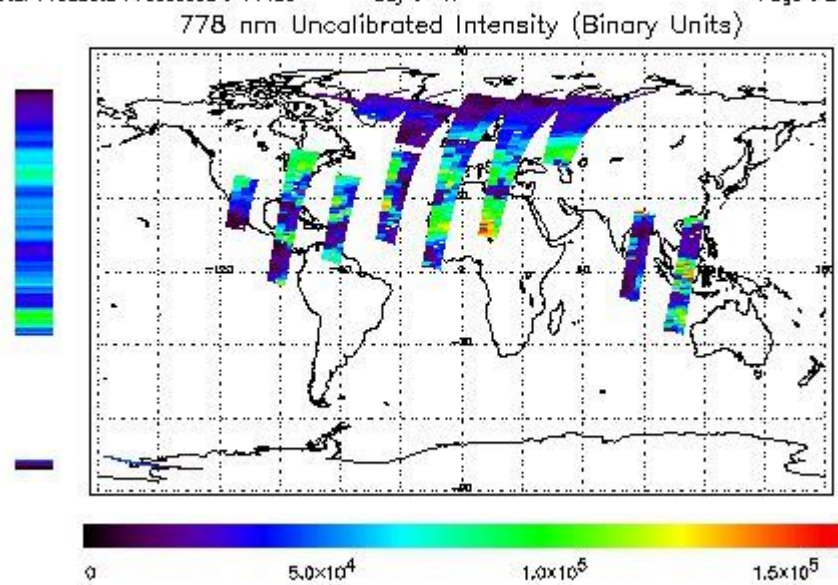
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected 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 : 16-FEB-2011 00:41:59.311 : ORBIT : 82736.0314
 Last Product : 16-FEB-2011 22:53:01.536 : ORBIT : 82749.2626
 Total Products Processed : 14436 Day : 47 Page : 21

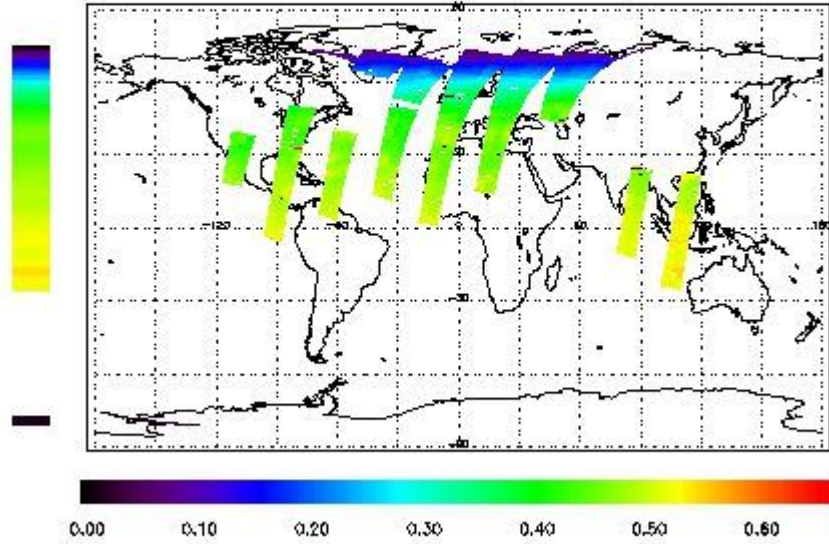


Ozone Line Ratio

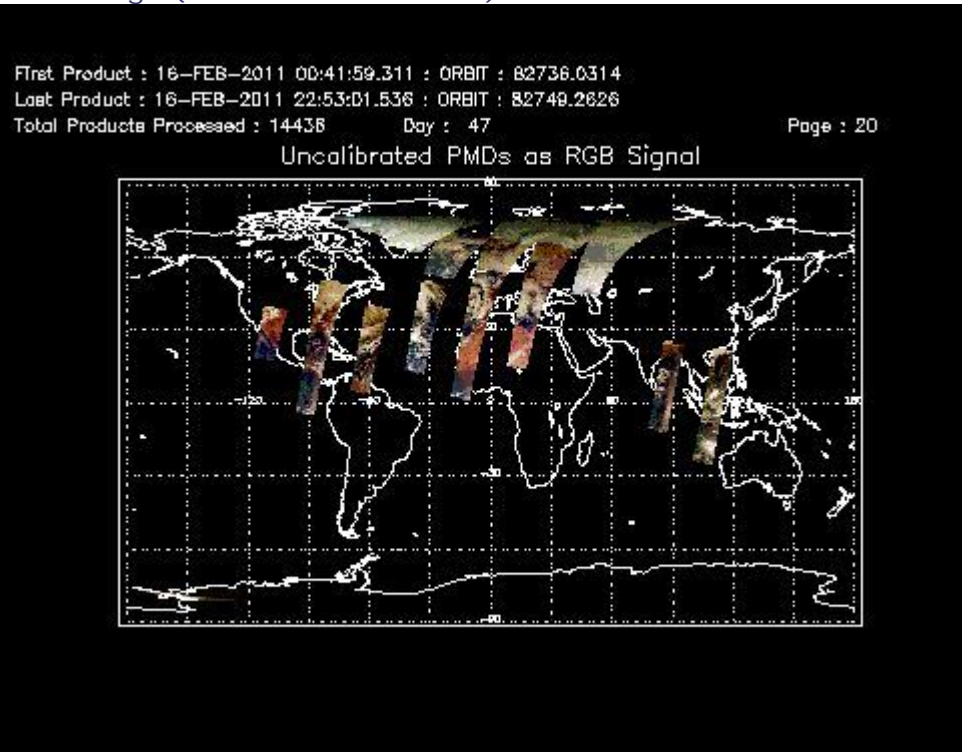
First Product : 16-FEB-2011 00:41:59.311 : ORBIT : 82736.0314
 Last Product : 16-FEB-2011 22:53:01.536 : ORBIT : 82749.2626
 Total Products Processed : 14438 Day : 47

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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	12:50:20.315	--	82743	Yes	--	15444

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
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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