

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	19-FEB-2011
Start Time of First Product	00:48:07
Stop Time of Last Product	22:58:42
Number of EGOI Products analysed	31
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_110219CMEP4258.E2	19-FEB-2011	04:07:58.737
EGOI_110219CMEP4266.E2	19-FEB-2011	16:28:52.806
EGOI_110219GSEP6182.E2	19-FEB-2011	00:55:36.554
EGOI_110219GSEP6214.E2	19-FEB-2011	02:32:02.645
EGOI_110219GSEP6244.E2	19-FEB-2011	04:12:54.268
EGOI_110219GSEP6251.E2	19-FEB-2011	05:55:15.901
EGOI_110219KSEP3175.E2	19-FEB-2011	06:13:38.508
EGOI_110219KSEP3195.E2	19-FEB-2011	07:53:28.629
EGOI_110219KSEP3218.E2	19-FEB-2011	09:33:06.745

EGOI_110219KSEP3249.E2	19-FEB-2011	11:12:43.357
EGOI_110219KSEP3277.E2	19-FEB-2011	12:51:57.465
EGOI_110219KSEP3287.E2	19-FEB-2011	14:30:49.080
EGOI_110219KSEP3299.E2	19-FEB-2011	16:08:31.680
EGOI_110219KSEP3326.E2	19-FEB-2011	17:46:27.783
EGOI_110219KSEP3358.E2	19-FEB-2011	19:24:26.887
EGOI_110219KSEP3389.E2	19-FEB-2011	21:04:32.007
EGOI_110219KSEP3415.E2	19-FEB-2011	22:47:40.138
EGOI_110219MAEP2946.E2	19-FEB-2011	08:02:16.678
EGOI_110219MAEP2962.E2	19-FEB-2011	09:40:48.791
EGOI_110219MIEP3760.E2	19-FEB-2011	02:28:59.630
EGOI_110219MIEP3788.E2	19-FEB-2011	04:07:58.737
EGOI_110219MIEP3812.E2	19-FEB-2011	14:49:13.190
EGOI_110219MIEP3842.E2	19-FEB-2011	16:27:10.798
EGOI_110219MSEP7725.E2	19-FEB-2011	00:48:06.507
EGOI_110219MSEP7745.E2	19-FEB-2011	11:25:47.936
EGOI_110219MSEP7769.E2	19-FEB-2011	13:06:24.559
EGOI_110219MSEP7803.E2	19-FEB-2011	22:34:50.560
EGOI_110219SGEP1628.E2	19-FEB-2011	03:10:44.884
EGOI_110219SGEP1636.E2	19-FEB-2011	04:50:33.499
EGOI_110219SGEP1642.E2	19-FEB-2011	14:07:26.431
EGOI_110219SGEP1649.E2	19-FEB-2011	15:44:34.532

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82782	19-FEB-2011	06:12:03.221	06:13:38.508	95.287000
KS	82783	19-FEB-2011	07:51:01.019	07:53:28.628	147.60900
KS	82784	19-FEB-2011	09:30:36.902	09:33:06.745	149.84300
KS	82785	19-FEB-2011	11:10:11.470	11:12:43.356	151.88600
KS	82786	19-FEB-2011	12:49:27.009	12:51:57.464	150.45500
KS	82787	19-FEB-2011	14:28:14.106	14:30:49.080	154.97400
KS	82788	19-FEB-2011	16:05:58.071	16:08:31.680	153.60900
KS	82789	19-FEB-2011	17:43:53.574	17:46:27.783	154.20900
KS	82790	19-FEB-2011	19:22:19.838	19:24:26.887	127.04900
KS	82791	19-FEB-2011	21:02:32.369	21:04:32.007	119.63800
KS	82792	19-FEB-2011	22:45:00.916	22:47:40.138	159.22200
GS	82779	19-FEB-2011	00:54:01.939	00:55:36.553	94.614000
GS	82780	19-FEB-2011	02:30:09.871	02:32:02.645	112.77400
GS	82781	19-FEB-2011	04:10:51.571	04:12:54.268	122.69700
MS	82779	19-FEB-2011	00:46:29.064	00:48:06.507	97.443000

MS	82785	19-FEB-2011	11:23:09.473	11:25:47.936	158.46300
MS	82786	19-FEB-2011	13:03:45.604	13:06:24.559	158.95500
MS	82792	19-FEB-2011	22:32:45.338	22:34:50.559	125.22100
MA	82783	19-FEB-2011	08:06:04.700	08:10:09.418	244.71800
MA	82784	19-FEB-2011	09:38:41.234	09:40:48.790	127.55600
MI	82780	19-FEB-2011	02:26:35.743	02:28:59.629	143.88600
MI	82781	19-FEB-2011	04:04:52.997	04:07:58.736	185.73900
MI	82787	19-FEB-2011	14:46:51.745	14:49:13.189	141.44400
MI	82788	19-FEB-2011	16:24:45.079	16:27:10.797	145.71800
SG	82780	19-FEB-2011	03:07:12.533	03:10:44.883	212.35000
SG	82781	19-FEB-2011	04:48:36.261	04:50:33.498	117.23700
SG	82786	19-FEB-2011	14:05:37.348	14:07:26.431	109.08300
SG	82787	19-FEB-2011	15:41:52.822	15:44:34.532	161.71000
CM	82788	19-FEB-2011	16:27:25.740	16:28:52.805	87.065000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	82778	18-FEB-2011	23:57:58.439	00:12:29.489	871.05000
MM	82778	19-FEB-2011	00:08:57.291	00:20:18.730	681.43900
HO	82779	19-FEB-2011	01:39:30.674	01:50:39.870	669.19600
MM	82779	19-FEB-2011	01:51:06.425	02:00:33.888	567.46300
BE	82780	19-FEB-2011	02:56:02.125	03:09:26.616	804.49100
MM	82780	19-FEB-2011	03:34:05.235	03:41:11.392	426.15700
CM	82780	19-FEB-2011	04:03:27.297	04:15:52.518	745.22100
BE	82781	19-FEB-2011	04:36:28.900	04:46:25.029	596.12900
MM	82781	19-FEB-2011	05:16:55.920	05:22:42.338	346.41800
MM	82782	19-FEB-2011	06:58:30.314	07:05:30.701	420.38700
JO	82782	19-FEB-2011	06:39:43.887	06:49:24.343	580.45600
MM	82783	19-FEB-2011	08:39:09.103	08:48:30.582	561.47900
JO	82783	19-FEB-2011	08:15:39.813	08:30:41.485	901.67200
MM	82784	19-FEB-2011	10:19:24.781	10:30:42.285	677.50400
MM	82785	19-FEB-2011	11:59:26.422	12:11:49.387	742.96500
MA	82785	19-FEB-2011	11:19:35.234	11:28:08.898	513.66400
MM	82786	19-FEB-2011	13:39:14.214	13:51:57.819	763.60500
SG	82786	19-FEB-2011	14:05:37.348	14:13:47.236	489.88800

BE	82787	19-FEB-2011	14:12:39.859	14:26:04.310	804.45100
MM	82787	19-FEB-2011	15:18:46.301	15:31:25.096	758.79500
GS	82787	19-FEB-2011	14:40:00.387	14:50:53.535	653.14800
BE	82788	19-FEB-2011	15:55:42.730	16:03:16.681	453.95100
MM	82788	19-FEB-2011	16:58:02.561	17:10:34.292	751.73100
GS	82788	19-FEB-2011	16:18:48.908	16:32:36.402	827.49400
MM	82789	19-FEB-2011	18:37:10.575	18:49:46.170	755.59500
GS	82789	19-FEB-2011	17:59:24.526	18:08:44.996	560.47000
JO	82789	19-FEB-2011	19:00:16.447	19:06:30.546	374.09900
MM	82790	19-FEB-2011	20:16:28.409	20:29:12.061	763.65200
MA	82790	19-FEB-2011	19:19:03.594	19:27:39.456	515.86200
JO	82790	19-FEB-2011	20:35:44.774	20:50:43.868	899.09400
HO	82791	19-FEB-2011	21:51:29.031	22:00:32.921	543.89000
MM	82791	19-FEB-2011	21:56:19.663	22:08:54.380	754.71700
MA	82791	19-FEB-2011	20:54:15.178	21:07:57.408	822.23000
JO	82791	19-FEB-2011	22:16:33.862	22:27:23.007	649.14500
HO	82792	19-FEB-2011	23:26:55.040	23:41:11.640	856.60000
MM	82792	19-FEB-2011	23:37:04.389	23:48:51.255	706.86600
MA	82792	19-FEB-2011	22:39:11.061	22:45:05.642	354.58100

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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

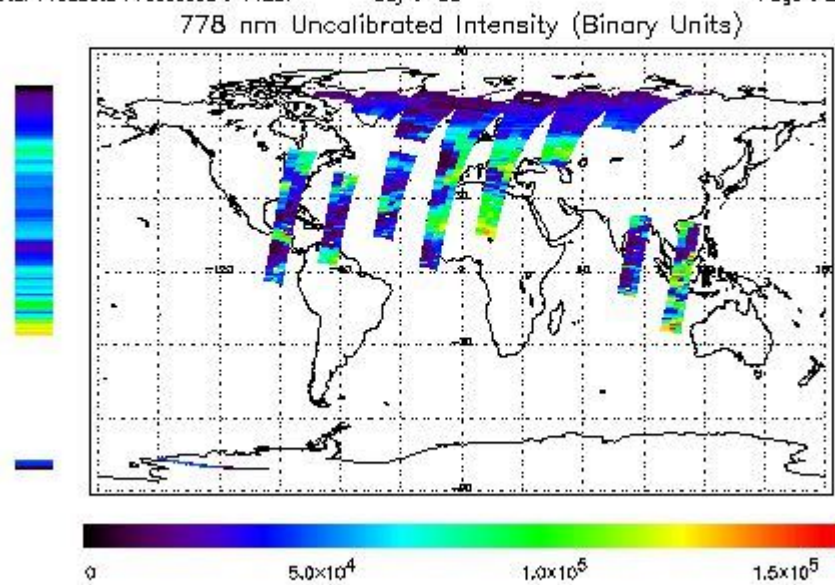
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected 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 : 19-FEB-2011 00:48:06.507 : ORBIT : 82779.0351
 Last Product : 19-FEB-2011 22:58:41.708 : ORBIT : 82792.2618
 Total Products Processed : 14837 Day : 5D Page : 21

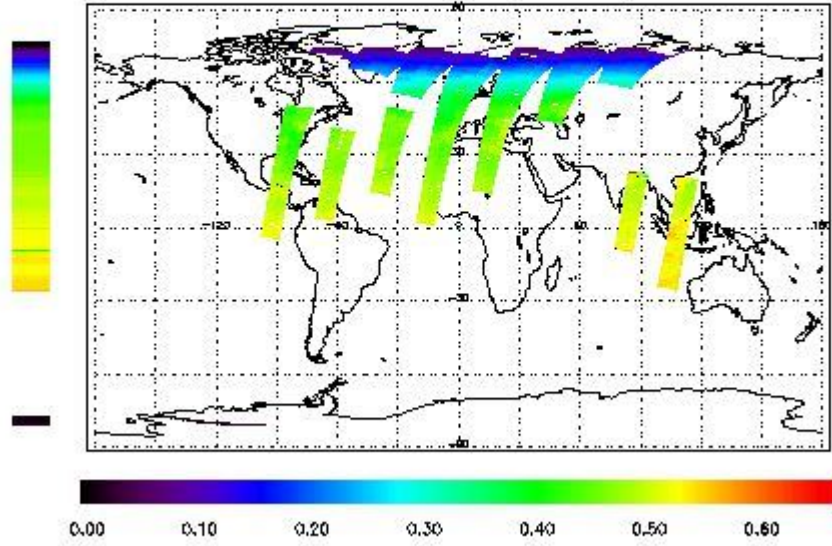


Ozone Line Ratio

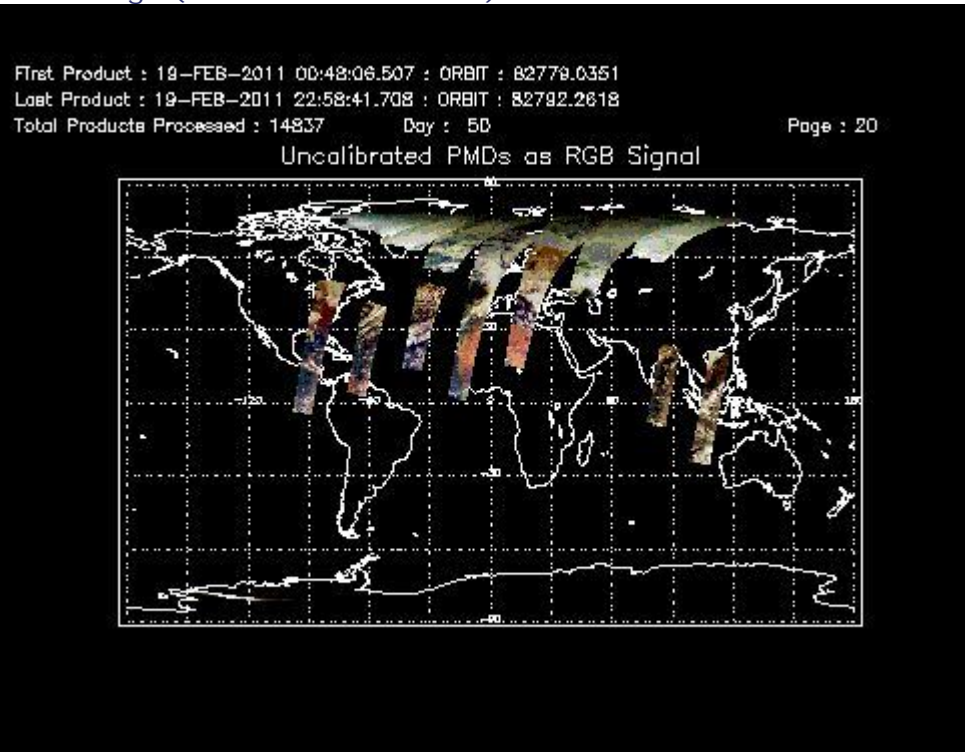
First Product : 19-FEB-2011 00:48:06.507 : ORBIT : 82779.0351
 Last Product : 19-FEB-2011 22:58:41.708 : ORBIT : 82792.2618
 Total Products Processed : 14837 Day : 5D

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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	11:15:04.368	--	82785	Yes	--	15592

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

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
--	--	--	--

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