

GOME Daily Report

INDEX

1. [General Info](#)
 - 1.1 [Report Summary](#)
 - 1.2 [List of received products](#)
 - 1.3 [List of data gaps](#)
 - 1.4 [List of missing products](#)
 - 1.5 [List of corrupted products](#)
2. [Instrument Indicators and Daily Plots](#)
 - 2.1 [Instrument Indicators Status](#)
 - 2.2 [Daily Plots](#)
3. [Instrument Calibration](#)
 - 3.1 [Solar Calibration \(daily/TST44\)](#)
 - 3.2 [Lamp Calibration \(quarterly/TST44\)](#)
4. [Instrument Anomalies](#)
 - 4.1 [Single Event Upset \(SEU\)](#)
 - 4.2 [Instrument Off](#)
 - 4.3 [Cooler Switchings](#)
5. [Instrument Operations](#)
 - 5.1 [Timeline Interruptions](#)
 - 5.2 [TST44](#)
 - 5.3 [Power Cycle](#)
 - 5.4 [Wrong Command Execution](#)
 - 5.5 [Narrow Swath Timeline](#)
 - 5.6 [Seasonal Operations](#)

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	08-FEB-2011
Start Time of First Product	23:51:46 (07-Feb)
Stop Time of Last Product	23:44:10
Number of EGOI Products analysed	34
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_110208CMEP3902.E2	08-FEB-2011	03:12:24.803
EGOI_110208CMEP3910.E2	08-FEB-2011	04:53:55.422
EGOI_110208CMEP3918.E2	08-FEB-2011	15:35:57.872
EGOI_110208CMEP3928.E2	08-FEB-2011	17:14:52.486
EGOI_110208GSEP5412.E2	08-FEB-2011	01:39:07.724
EGOI_110208GSEP5420.E2	08-FEB-2011	03:18:38.342
EGOI_110208GSEP5429.E2	08-FEB-2011	05:00:28.468
EGOI_110208KSEP0474.E2	08-FEB-2011	06:58:59.197
EGOI_110208KSEP0492.E2	08-FEB-2011	08:39:02.808

EGOI_110208KSEP0517.E2	08-FEB-2011	10:18:42.428
EGOI_110208KSEP0546.E2	08-FEB-2011	11:58:11.536
EGOI_110208KSEP0562.E2	08-FEB-2011	13:37:10.644
EGOI_110208KSEP0571.E2	08-FEB-2011	15:15:50.251
EGOI_110208KSEP0598.E2	08-FEB-2011	16:53:19.355
EGOI_110208KSEP0629.E2	08-FEB-2011	18:31:12.455
EGOI_110208KSEP0661.E2	08-FEB-2011	20:09:58.063
EGOI_110208KSEP0689.E2	08-FEB-2011	21:51:12.186
EGOI_110208KSEP0712.E2	08-FEB-2011	23:35:21.826
EGOI_110208MAEP2589.E2	08-FEB-2011	08:46:56.855
EGOI_110208MAEP2604.E2	08-FEB-2011	10:26:12.466
EGOI_110208MIEP2623.E2	08-FEB-2011	01:40:40.735
EGOI_110208MIEP2649.E2	08-FEB-2011	03:13:06.807
EGOI_110208MIEP2674.E2	08-FEB-2011	04:54:46.430
EGOI_110208MIEP2701.E2	08-FEB-2011	15:33:21.857
EGOI_110208MIEP2728.E2	08-FEB-2011	17:13:34.478
EGOI_110208MSEP6386.E2	07-FEB-2011	23:51:46.065
EGOI_110208MSEP6406.E2	08-FEB-2011	10:33:03.510
EGOI_110208MSEP6435.E2	08-FEB-2011	12:11:17.619
EGOI_110208MSEP6461.E2	08-FEB-2011	21:43:13.635
EGOI_110208MSEP6494.E2	08-FEB-2011	23:20:06.732
EGOI_110208SGEP1352.E2	08-FEB-2011	02:17:34.959
EGOI_110208SGEP1359.E2	08-FEB-2011	03:59:01.085
EGOI_110208SGEP1367.E2	08-FEB-2011	14:53:06.614
EGOI_110208SGEP1373.E2	08-FEB-2011	16:31:17.714

[[BACK TO MENU](#)]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82625	08-FEB-2011	06:57:06.402	06:58:59.196	112.79400
KS	82626	08-FEB-2011	08:36:31.722	08:39:02.807	151.08500
KS	82627	08-FEB-2011	10:16:09.377	10:18:42.428	153.05100
KS	82628	08-FEB-2011	11:55:37.484	11:58:11.535	154.05100
KS	82629	08-FEB-2011	13:34:37.913	13:37:10.644	152.73100
KS	82630	08-FEB-2011	15:12:59.916	15:15:50.250	170.33400
KS	82631	08-FEB-2011	16:50:36.958	16:53:19.355	162.39700
KS	82632	08-FEB-2011	18:28:38.849	18:31:12.455	153.60600
KS	82633	08-FEB-2011	20:07:54.186	20:09:58.062	123.87600
KS	82634	08-FEB-2011	21:49:03.399	21:51:12.185	128.78600
KS	82635	08-FEB-2011	23:32:55.205	23:35:21.826	146.62100
GS	82622	08-FEB-2011	01:37:20.531	01:39:07.723	107.19200

GS	82623	08-FEB-2011	03:15:33.459	03:18:38.342	184.88300
MS	82621	07-FEB-2011	23:49:28.188	23:51:46.064	137.87600
MS	82627	08-FEB-2011	10:30:22.547	10:33:03.509	160.96200
MS	82628	08-FEB-2011	12:08:38.373	12:11:17.619	159.24600
MS	82635	08-FEB-2011	23:17:46.114	23:20:06.731	140.61700
MA	82626	08-FEB-2011	08:45:29.594	08:46:56.854	87.260000
MA	82627	08-FEB-2011	10:24:11.883	10:26:12.466	120.58300
MI	82623	08-FEB-2011	03:10:41.161	03:13:06.806	145.64500
MI	82624	08-FEB-2011	04:52:27.530	04:54:46.429	138.89900
MI	82630	08-FEB-2011	15:30:54.865	15:33:21.857	146.99200
MI	82631	08-FEB-2011	17:11:08.525	17:13:34.478	145.95300
SG	82622	08-FEB-2011	02:15:24.257	02:17:34.959	130.70200
SG	82623	08-FEB-2011	03:52:35.743	03:59:01.084	385.34100
SG	82629	08-FEB-2011	14:48:28.303	14:53:06.614	278.31100
SG	82630	08-FEB-2011	16:28:26.545	16:31:17.713	171.16800
CM	82623	08-FEB-2011	03:10:49.353	03:12:24.803	95.450000
CM	82630	08-FEB-2011	15:34:29.266	15:35:57.872	88.606000
CM	82631	08-FEB-2011	17:13:23.632	17:14:52.485	88.853000

[[BACK TO MENU](#)]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	82621	08-FEB-2011	00:43:42.227	00:57:48.119	845.89200
MM	82621	08-FEB-2011	00:55:31.356	01:06:06.560	635.20400
KS	82621	08-FEB-2011	00:06:32.957	00:11:21.468	288.51100
BE	82622	08-FEB-2011	02:02:35.521	02:14:31.742	716.22100
MM	82622	08-FEB-2011	02:38:07.095	02:46:30.009	502.91400
BE	82623	08-FEB-2011	03:41:38.073	03:54:27.459	769.38600
MM	82623	08-FEB-2011	04:21:12.492	04:27:26.173	373.68100
MM	82624	08-FEB-2011	06:03:31.977	06:09:34.947	362.97000
MM	82625	08-FEB-2011	07:44:35.108	07:52:39.255	484.14700
JO	82625	08-FEB-2011	07:22:38.812	07:36:18.344	819.53200
MM	82626	08-FEB-2011	09:25:01.107	09:35:21.343	620.23600
JO	82626	08-FEB-2011	09:01:39.756	09:15:38.797	839.04100
MM	82627	08-FEB-2011	11:05:10.030	11:17:03.829	713.79900
MM	82628	08-FEB-2011	12:45:05.519	12:57:42.524	757.00500

HO	82629	08-FEB-2011	14:33:55.633	14:45:36.027	700.39400
MM	82629	08-FEB-2011	14:24:46.364	14:37:29.486	763.12200
SG	82629	08-FEB-2011	14:48:28.303	15:01:24.465	776.16200
BE	82630	08-FEB-2011	14:58:46.464	15:11:09.042	742.57800
MM	82630	08-FEB-2011	16:04:10.923	16:16:45.560	754.63700
GS	82630	08-FEB-2011	15:24:54.200	15:38:30.882	816.68200
MM	82631	08-FEB-2011	17:43:21.823	17:55:53.886	752.06300
GS	82631	08-FEB-2011	17:04:33.906	17:17:09.635	755.72900
MM	82632	08-FEB-2011	19:22:31.519	19:35:11.380	759.86100
JO	82632	08-FEB-2011	19:42:42.853	19:55:36.292	773.43900
MM	82633	08-FEB-2011	21:02:01.754	21:14:44.880	763.12600
MA	82633	08-FEB-2011	20:00:52.237	20:14:14.280	802.04300
JO	82633	08-FEB-2011	21:21:19.265	21:35:45.004	865.73900
HO	82634	08-FEB-2011	22:34:19.080	22:46:50.970	751.89000
MM	82634	08-FEB-2011	22:42:15.397	22:54:34.122	738.72500
MA	82634	08-FEB-2011	21:40:35.867	21:53:13.995	758.12800

[[BACK TO MENU](#)]

1.5 - List of corrupted products

Station	Orbit	Time
---------	-------	------

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

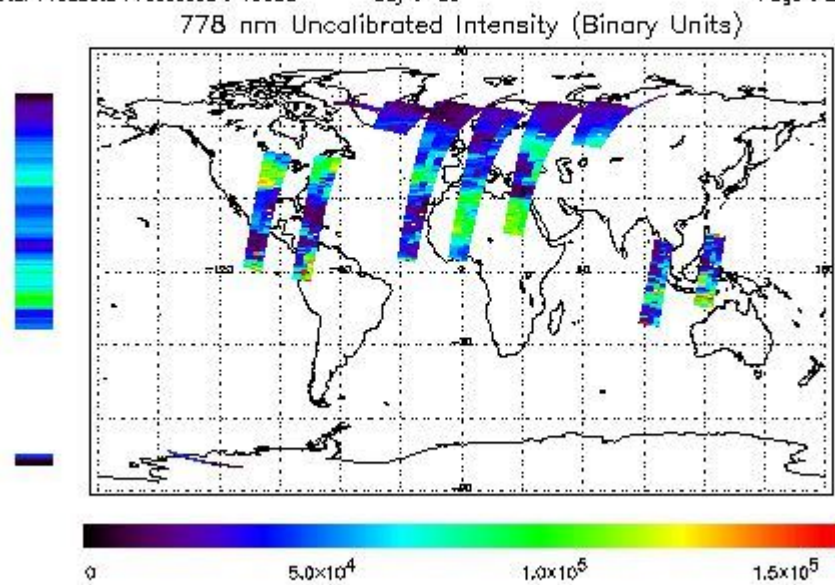
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 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

Final Product : 07-FEB-2011 23:51:46.065 : ORBIT : 82621.0179
 Last Product : 08-FEB-2011 23:44:09.880 : ORBIT : 82635.2586
 Total Products Processed : 16058 Day : 39 Page : 21

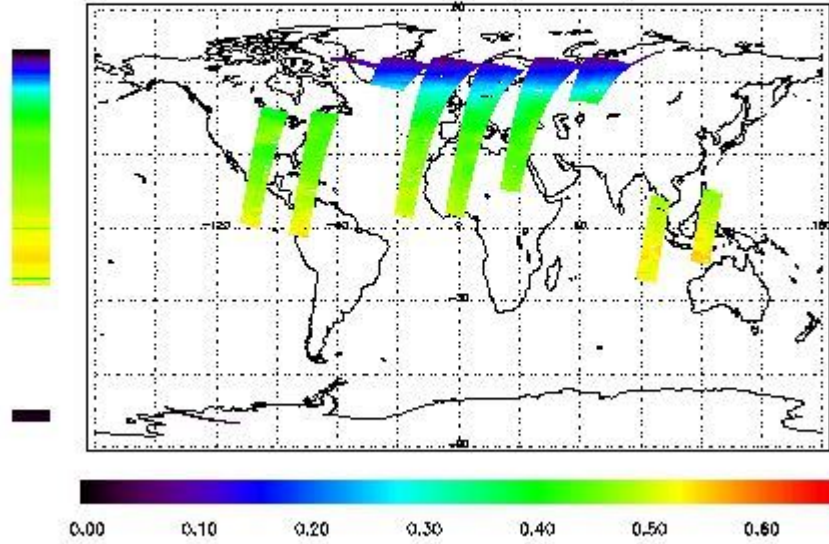


Ozone Line Ratio

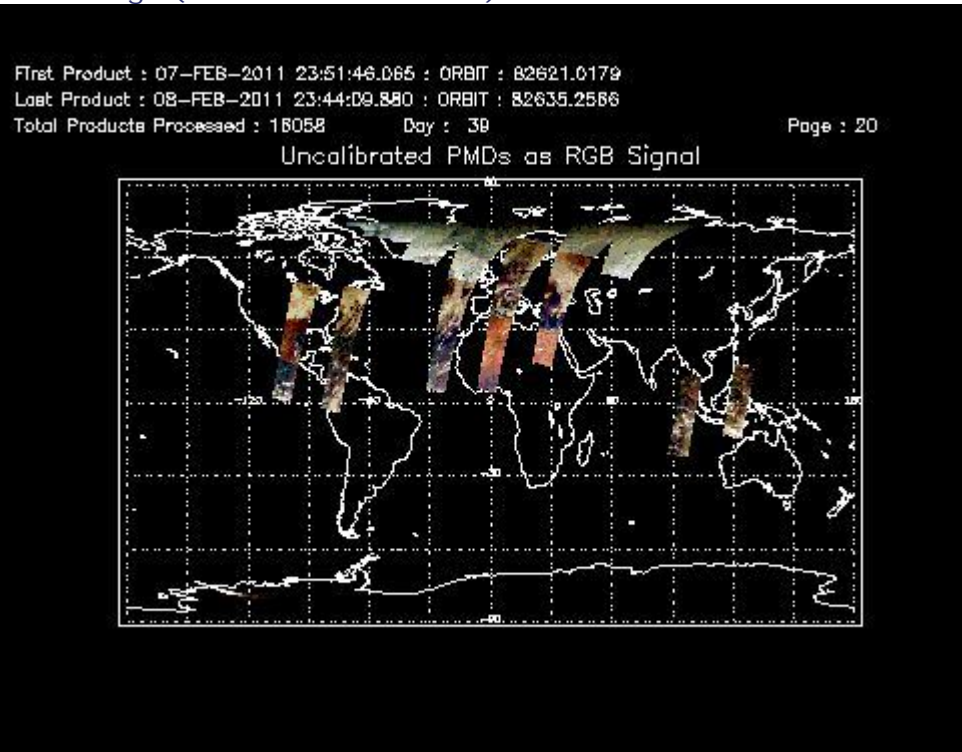
First Product : 07-FEB-2011 23:51:46.065 : ORBIT : 82621.0179
 Last Product : 08-FEB-2011 23:44:09.880 : ORBIT : 82635.2586
 Total Products Processed : 18058 Day : 39

Page : 20

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	10:21:43.943	--	82627	Yes	--	15153

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)
--	--	--	--	--	--	--	--

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
--	--	--	--

5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
--	--	--	--

[[BACK TO MENU](#)]

(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