

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	09-MAY-2010
Start Time of First Product	00:35:40
Stop Time of Last Product	22:46:20
Number of EGOI Products analysed	25
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100509BEEP2669.E2	09-MAY-2010	02:46:18.780
EGOI_100509BEEP2675.E2	09-MAY-2010	04:26:31.391
EGOI_100509GSEP5965.E2	09-MAY-2010	02:19:44.116
EGOI_100509GSEP5995.E2	09-MAY-2010	04:00:05.734
EGOI_100509GSEP6003.E2	09-MAY-2010	05:42:37.862
EGOI_100509KSEP6323.E2	09-MAY-2010	07:40:40.082
EGOI_100509KSEP6343.E2	09-MAY-2010	09:20:45.201
EGOI_100509KSEP6366.E2	09-MAY-2010	11:00:23.308
EGOI_100509KSEP6391.E2	09-MAY-2010	12:39:40.415

EGOI_100509KSEP6418.E2	09-MAY-2010	14:18:36.522
EGOI_100509KSEP6435.E2	09-MAY-2010	15:56:23.622
EGOI_100509KSEP6462.E2	09-MAY-2010	17:34:21.225
EGOI_100509KSEP6494.E2	09-MAY-2010	19:12:05.324
EGOI_100509KSEP6525.E2	09-MAY-2010	20:51:58.439
EGOI_100509KSEP6552.E2	09-MAY-2010	22:34:02.066
EGOI_100509MAEP2045.E2	09-MAY-2010	09:28:25.748
EGOI_100509MAEP2056.E2	09-MAY-2010	11:07:57.851
EGOI_100509MMEP8112.E2	09-MAY-2010	21:46:33.276
EGOI_100509MSEP4828.E2	09-MAY-2010	00:35:40.485
EGOI_100509MSEP4853.E2	09-MAY-2010	11:13:26.386
EGOI_100509MSEP4878.E2	09-MAY-2010	12:53:23.997
EGOI_100509MSEP4911.E2	09-MAY-2010	22:22:45.492
EGOI_100509SGEP5490.E2	09-MAY-2010	03:00:12.862
EGOI_100509SGEP5498.E2	09-MAY-2010	13:56:28.885
EGOI_100509SGEP5505.E2	09-MAY-2010	15:31:54.973

[\[BACK TO MENU \]](#)

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78689	09-MAY-2010	07:39:39.030	07:40:40.082	61.052000
KS	78690	09-MAY-2010	09:19:13.655	09:20:45.201	91.546000
KS	78691	09-MAY-2010	10:58:49.287	11:00:23.307	94.020000
KS	78692	09-MAY-2010	12:38:07.944	12:39:40.415	92.471000
KS	78693	09-MAY-2010	14:16:58.793	14:18:36.521	97.728000
KS	78694	09-MAY-2010	15:54:48.260	15:56:23.621	95.361000
KS	78695	09-MAY-2010	17:32:42.984	17:34:21.224	98.240000
KS	78696	09-MAY-2010	19:10:59.561	19:12:05.324	65.763000
GS	78687	09-MAY-2010	03:59:04.243	04:00:05.734	61.491000
MS	78685	09-MAY-2010	00:34:04.810	00:35:40.484	95.674000
MS	78691	09-MAY-2010	11:11:53.486	11:13:26.385	92.899000
MS	78692	09-MAY-2010	12:51:59.856	12:53:23.997	84.141000
MS	78698	09-MAY-2010	22:21:42.516	22:22:45.491	62.975000
MA	78690	09-MAY-2010	09:27:21.836	09:28:25.747	63.911000
BE	78686	09-MAY-2010	02:44:42.660	02:46:18.780	96.120000
BE	78687	09-MAY-2010	04:24:50.998	04:26:31.390	100.39200
SG	78686	09-MAY-2010	02:56:04.401	03:00:12.861	248.46000
SG	78693	09-MAY-2010	15:30:28.627	15:31:54.972	86.345000

[\[BACK TO MENU \]](#)

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	78684	08-MAY-2010	23:46:41.147	00:01:06.908	865.76100
MM	78684	08-MAY-2010	23:57:20.932	00:08:52.222	691.29000
HO	78685	09-MAY-2010	01:27:36.482	01:39:37.588	721.10600
MM	78685	09-MAY-2010	01:39:22.866	01:49:05.589	582.72300
GS	78685	09-MAY-2010	00:43:25.573	00:51:35.803	490.23000
MM	78686	09-MAY-2010	03:22:17.928	03:29:39.569	441.64100
MI	78686	09-MAY-2010	02:15:51.661	02:25:58.084	606.42300
CM	78686	09-MAY-2010	03:52:10.772	04:04:29.723	738.95100
MM	78687	09-MAY-2010	05:05:13.936	05:11:01.992	348.05600
MI	78687	09-MAY-2010	03:53:18.517	04:06:21.638	783.12100
SG	78687	09-MAY-2010	04:36:30.702	04:47:01.988	631.28600
MM	78688	09-MAY-2010	06:46:57.542	06:53:43.504	405.96200
KS	78688	09-MAY-2010	06:00:56.056	06:06:04.012	307.95600
CM	78688	09-MAY-2010	05:35:14.635	05:40:19.319	304.68400
JO	78688	09-MAY-2010	06:29:27.686	06:37:19.848	472.16200
MM	78689	09-MAY-2010	08:27:40.463	08:36:46.100	545.63700
JO	78689	09-MAY-2010	08:04:21.442	08:19:19.693	898.25100
MM	78690	09-MAY-2010	10:07:58.037	10:19:04.736	666.69900
JO	78690	09-MAY-2010	09:46:18.586	09:56:38.898	620.31200
HO	78691	09-MAY-2010	11:57:24.818	12:10:38.136	793.31800
MM	78691	09-MAY-2010	11:48:01.191	12:00:19.208	738.01700
HO	78692	09-MAY-2010	13:36:22.914	13:50:57.621	874.70700
MM	78692	09-MAY-2010	13:27:50.650	13:40:33.620	762.97000
BE	78693	09-MAY-2010	14:01:18.841	14:14:42.897	804.05600
HO	78693	09-MAY-2010	15:17:38.211	15:25:29.830	471.61900
MM	78693	09-MAY-2010	15:07:24.621	15:20:04.482	759.86100
MI	78693	09-MAY-2010	14:36:13.807	14:44:29.669	495.86200
GS	78693	09-MAY-2010	14:28:54.356	14:39:54.514	660.15800
BE	78694	09-MAY-2010	15:43:23.803	15:52:33.439	549.63600
MM	78694	09-MAY-2010	16:46:42.498	16:59:14.565	752.06700
MI	78694	09-MAY-2010	16:13:18.837	16:26:35.050	796.21300
GS	78694	09-MAY-2010	16:07:25.545	16:21:19.627	834.08200
CM	78694	09-MAY-2010	16:16:07.373	16:28:28.680	741.30700

MM	78695	09-MAY-2010	18:25:50.729	18:38:25.367	754.63800
MI	78695	09-MAY-2010	17:57:47.008	17:58:53.166	66.158000
GS	78695	09-MAY-2010	17:47:47.676	17:58:01.922	614.24600
CM	78695	09-MAY-2010	17:58:21.428	18:03:46.809	325.38100
MM	78696	09-MAY-2010	20:05:06.264	20:17:49.396	763.13200
MA	78696	09-MAY-2010	19:08:33.314	19:15:54.622	441.30800
JO	78696	09-MAY-2010	20:24:28.115	20:39:17.290	889.17500
MM	78697	09-MAY-2010	21:44:52.555	21:57:29.906	757.35100
MA	78697	09-MAY-2010	20:42:54.085	20:56:36.207	822.12200
JO	78697	09-MAY-2010	22:04:47.372	22:16:43.867	716.49500
HO	78698	09-MAY-2010	23:15:43.074	23:29:47.270	844.19600
MM	78698	09-MAY-2010	23:25:30.400	23:37:25.223	714.82300
MA	78698	09-MAY-2010	22:26:36.304	22:34:29.669	473.36500

[[BACK TO MENU](#)]

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

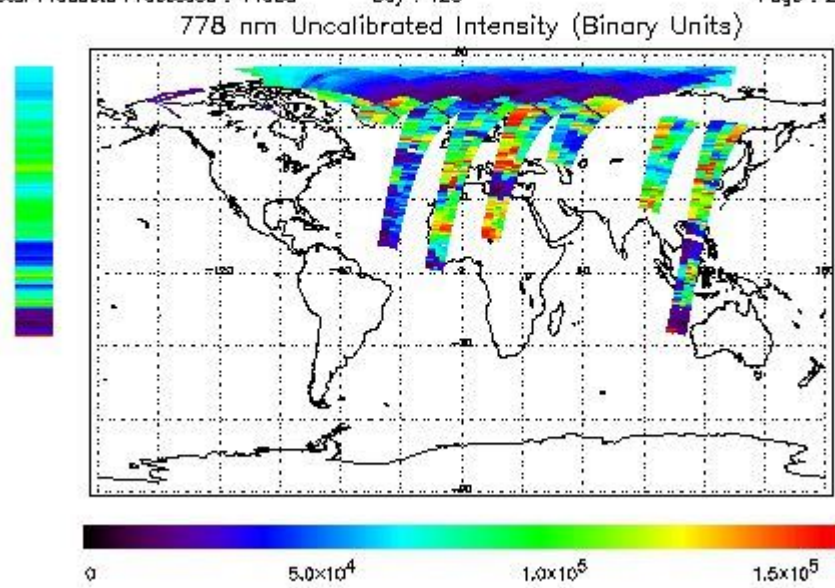
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	OK
331/338 nm Uncal. Line Ratio	OK
Uncal. PMDs as RGB signal	OK
780 nm 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

Final Product : 09-MAY-2010 00:35:40.485 : ORBIT : 78685.0258
 Last Product : 09-MAY-2010 22:48:20.136 : ORBIT : 78698.2532
 Total Products Processed : 11988 Day : 129 Page : 21

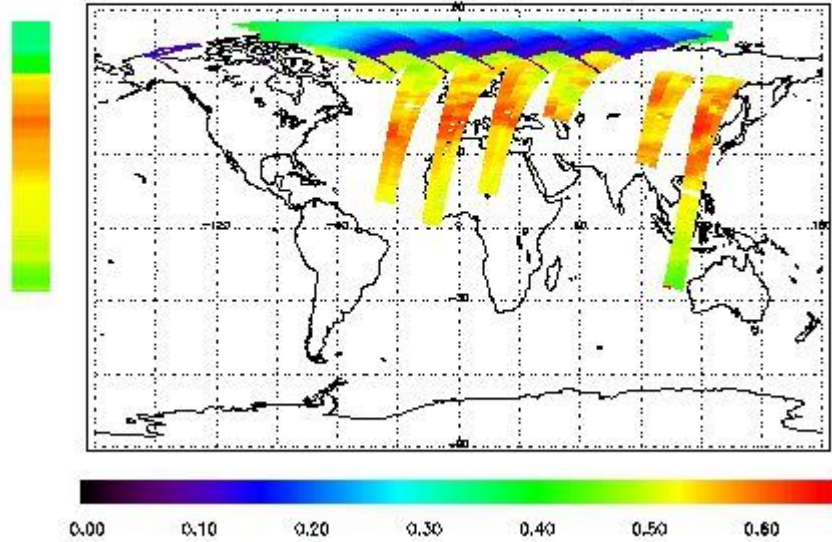


Ozone Line Ratio

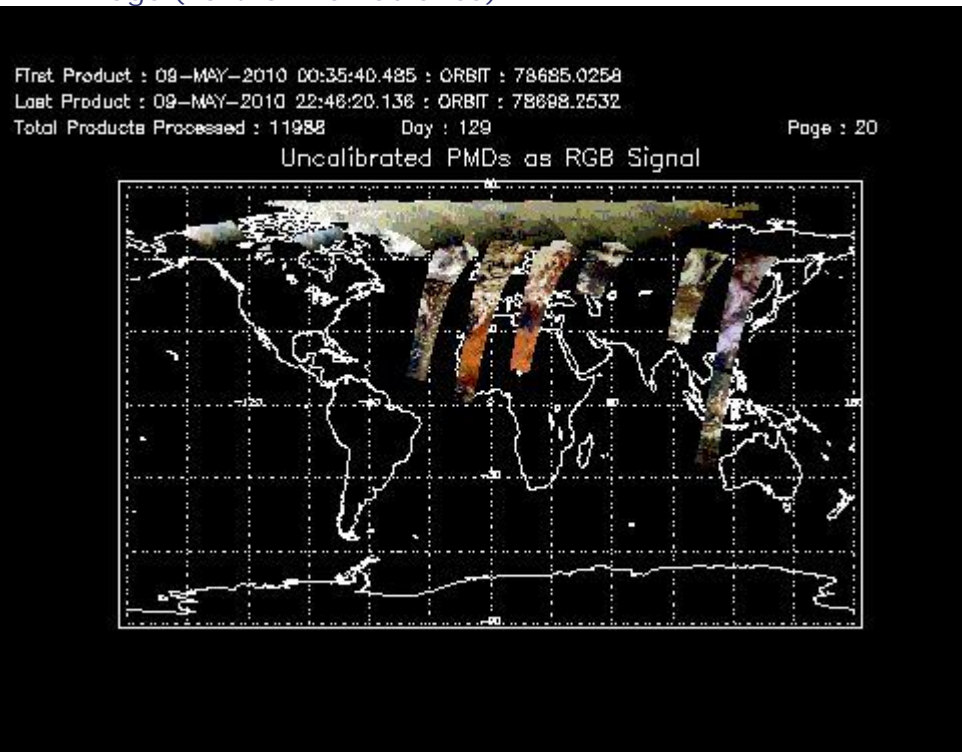
First Product : 09-MAY-2010 00:35:40.485 : ORBIT : 78685.0258
 Last Product : 09-MAY-2010 22:46:20.136 : ORBIT : 78698.2532
 Total Products Processed : 11988 Day : 129

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)
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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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[BACK TO MENU]

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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[BACK TO MENU]

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
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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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[[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