

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	18-MAY-2010
Start Time of First Product	00:53:34
Stop Time of Last Product	23:03:20
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_100518BEEP2753.E2	18-MAY-2010	03:03:20.168
EGOI_100518BEEP2759.E2	18-MAY-2010	04:43:56.789
EGOI_100518GSEP6609.E2	18-MAY-2010	01:00:01.422
EGOI_100518GSEP6641.E2	18-MAY-2010	02:36:38.008
EGOI_100518GSEP6666.E2	18-MAY-2010	04:17:47.629
EGOI_100518GSEP6673.E2	18-MAY-2010	06:00:06.250
EGOI_100518KSEP8625.E2	18-MAY-2010	06:18:19.864
EGOI_100518KSEP8653.E2	18-MAY-2010	07:58:08.478
EGOI_100518KSEP8675.E2	18-MAY-2010	09:37:48.084

EGOI_100518KSEP8698.E2	18-MAY-2010	11:17:23.191
EGOI_100518KSEP8721.E2	18-MAY-2010	12:56:35.798
EGOI_100518KSEP8748.E2	18-MAY-2010	14:35:25.904
EGOI_100518KSEP8772.E2	18-MAY-2010	16:13:06.999
EGOI_100518KSEP8801.E2	18-MAY-2010	17:51:09.106
EGOI_100518KSEP8832.E2	18-MAY-2010	19:29:08.204
EGOI_100518KSEP8862.E2	18-MAY-2010	21:09:22.311
EGOI_100518KSEP8871.E2	18-MAY-2010	22:51:57.441
EGOI_100518MAEP2365.E2	18-MAY-2010	09:45:25.627
EGOI_100518MAEP2373.E2	18-MAY-2010	11:25:14.237
EGOI_100518MIEP3009.E2	18-MAY-2010	02:33:19.989
EGOI_100518MIEP3034.E2	18-MAY-2010	14:53:36.513
EGOI_100518MIEP3063.E2	18-MAY-2010	16:31:55.116
EGOI_100518MMEP8485.E2	18-MAY-2010	05:23:55.528
EGOI_100518MMEP8492.E2	18-MAY-2010	07:05:44.153
EGOI_100518MMEP8499.E2	18-MAY-2010	08:46:46.275
EGOI_100518MMEP8506.E2	18-MAY-2010	10:27:15.386
EGOI_100518MMEP8514.E2	18-MAY-2010	12:07:18.999
EGOI_100518MMEP8523.E2	18-MAY-2010	13:46:58.610
EGOI_100518MMEP8532.E2	18-MAY-2010	18:45:45.434
EGOI_100518MMEP8539.E2	18-MAY-2010	20:24:53.542
EGOI_100518MMEP8547.E2	18-MAY-2010	22:04:43.651
EGOI_100518MSEP5890.E2	18-MAY-2010	00:53:34.383
EGOI_100518MSEP5906.E2	18-MAY-2010	11:30:27.773
EGOI_100518MSEP5929.E2	18-MAY-2010	13:11:11.887
EGOI_100518MSEP5956.E2	18-MAY-2010	22:39:21.363
EGOI_100518SGEP5727.E2	18-MAY-2010	03:24:18.797
EGOI_100518SGEP5734.E2	18-MAY-2010	04:55:43.360
EGOI_100518SGEP5741.E2	18-MAY-2010	14:11:45.258
EGOI_100518SGEP5747.E2	18-MAY-2010	15:49:17.355

[[BACK TO MENU](#)]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78818	18-MAY-2010	07:56:42.143	07:58:08.477	86.334000
KS	78819	18-MAY-2010	09:36:18.516	09:37:48.084	89.568000
KS	78820	18-MAY-2010	11:15:52.469	11:17:23.191	90.722000
KS	78821	18-MAY-2010	12:55:06.352	12:56:35.797	89.445000
KS	78822	18-MAY-2010	14:33:51.553	14:35:25.903	94.350000
KS	78823	18-MAY-2010	16:11:32.921	16:13:06.999	94.078000
KS	78824	18-MAY-2010	17:49:27.396	17:51:09.105	101.70900
KS	78825	18-MAY-2010	19:28:00.447	19:29:08.204	67.757000

KS	78826	18-MAY-2010	21:08:19.629	21:09:22.310	62.681000
GS	78816	18-MAY-2010	04:16:47.408	04:17:47.629	60.221000
MS	78820	18-MAY-2010	11:28:48.904	11:30:27.772	98.868000
MS	78821	18-MAY-2010	13:09:38.678	13:11:11.886	93.208000
MS	78827	18-MAY-2010	22:38:18.711	22:39:21.363	62.652000
MA	78819	18-MAY-2010	09:44:21.694	09:45:25.626	63.932000
MI	78815	18-MAY-2010	02:32:00.883	02:33:19.989	79.106000
MI	78822	18-MAY-2010	14:52:15.711	14:53:36.512	80.801000
MI	78823	18-MAY-2010	16:30:29.449	16:31:55.116	85.667000
MM	78816	18-MAY-2010	05:22:46.472	05:23:55.528	69.056000
MM	78817	18-MAY-2010	07:04:16.431	07:05:44.153	87.722000
MM	78818	18-MAY-2010	08:44:53.316	08:46:46.274	112.95800
MM	78819	18-MAY-2010	10:25:08.086	10:27:15.385	127.29900
MM	78820	18-MAY-2010	12:05:08.969	12:07:18.998	130.02900
MM	78821	18-MAY-2010	13:44:55.917	13:46:58.610	122.69300
MM	78824	18-MAY-2010	18:42:50.538	18:45:45.434	174.89600
MM	78825	18-MAY-2010	20:22:09.644	20:24:53.542	163.89800
MM	78826	18-MAY-2010	22:02:03.480	22:04:43.651	160.17100
MM	78827	18-MAY-2010	23:42:51.703	23:45:11.260	139.55700
BE	78815	18-MAY-2010	03:01:42.569	03:03:20.167	97.598000
BE	78816	18-MAY-2010	04:42:19.350	04:43:56.788	97.438000
SG	78815	18-MAY-2010	03:12:48.618	03:24:18.796	690.17800
SG	78822	18-MAY-2010	15:47:36.803	15:49:17.354	100.55100

[[BACK TO MENU](#)]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	78813	18-MAY-2010	00:03:36.681	00:18:10.305	873.62400
MM	78813	18-MAY-2010	00:14:45.795	00:26:02.048	676.25300
HO	78814	18-MAY-2010	01:45:47.491	01:56:09.933	622.44200
MM	78814	18-MAY-2010	01:56:58.467	02:06:18.135	559.66800
MM	78815	18-MAY-2010	03:39:58.875	03:46:57.546	418.67100
CM	78815	18-MAY-2010	02:34:54.763	02:38:21.306	206.54300
CM	78815	18-MAY-2010	04:09:07.665	04:21:32.310	744.64500
MI	78816	18-MAY-2010	04:10:42.490	04:23:06.072	743.58200
JO	78817	18-MAY-2010	06:44:57.804	06:55:21.826	624.02200

MA	78818	18-MAY-2010	08:06:33.524	08:16:14.157	580.63300
JO	78818	18-MAY-2010	08:21:20.669	08:36:21.354	900.68500
JO	78819	18-MAY-2010	10:05:02.946	10:12:16.294	433.34800
SG	78821	18-MAY-2010	14:10:46.579	14:19:55.731	549.15200
BE	78822	18-MAY-2010	14:18:21.872	14:31:44.319	802.44700
MM	78822	18-MAY-2010	15:24:27.059	15:37:05.310	758.25100
GS	78822	18-MAY-2010	14:45:34.827	14:56:23.626	648.79900
CM	78822	18-MAY-2010	14:58:35.379	15:01:02.735	147.35600
BE	78823	18-MAY-2010	16:02:00.165	16:08:31.295	391.13000
MM	78823	18-MAY-2010	17:03:42.545	17:16:14.169	751.62400
GS	78823	18-MAY-2010	16:24:31.019	16:38:13.529	822.51000
CM	78823	18-MAY-2010	16:33:06.539	16:45:30.048	743.50900
GS	78824	18-MAY-2010	18:05:14.210	18:14:04.353	530.14300
JO	78824	18-MAY-2010	19:05:16.278	19:12:58.635	462.35700
MA	78825	18-MAY-2010	19:24:22.866	19:33:29.827	546.96100
JO	78825	18-MAY-2010	20:41:24.195	20:56:25.441	901.24600
HO	78826	18-MAY-2010	21:56:39.674	22:06:24.230	584.55600
MA	78826	18-MAY-2010	21:00:04.103	21:13:37.210	813.10700
JO	78826	18-MAY-2010	22:22:29.864	22:32:38.839	608.97500
HO	78827	18-MAY-2010	23:32:31.284	23:46:53.393	862.10900
MA	78827	18-MAY-2010	22:45:40.979	22:50:13.002	272.02300

[[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

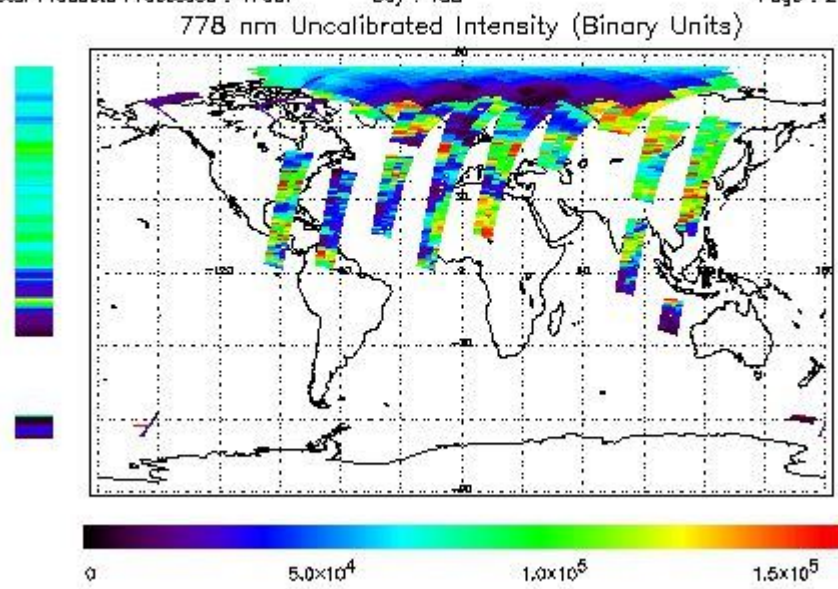
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	OK
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperatures B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. 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

First Product : 18-MAY-2010 00:53:34.383 : ORBIT : 78814.0323
 Last Product : 18-MAY-2010 23:03:20.007 : ORBIT : 78827.2507
 Total Products Processed : 17937 Day : 138 Page : 21



Ozone Line Ratio

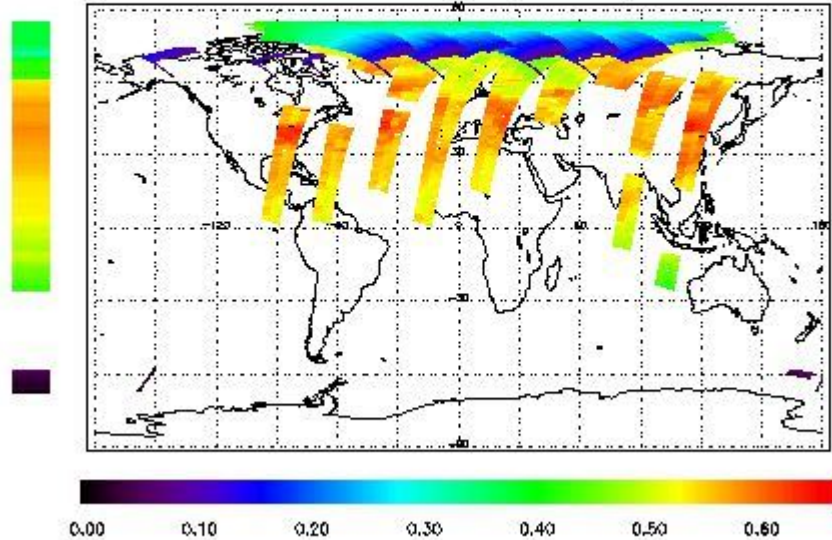
First Product : 18-MAY-2010 00:53:34.383 : ORBIT : 78814.0323

Last Product : 18-MAY-2010 23:03:20.007 : ORBIT : 78827.2507

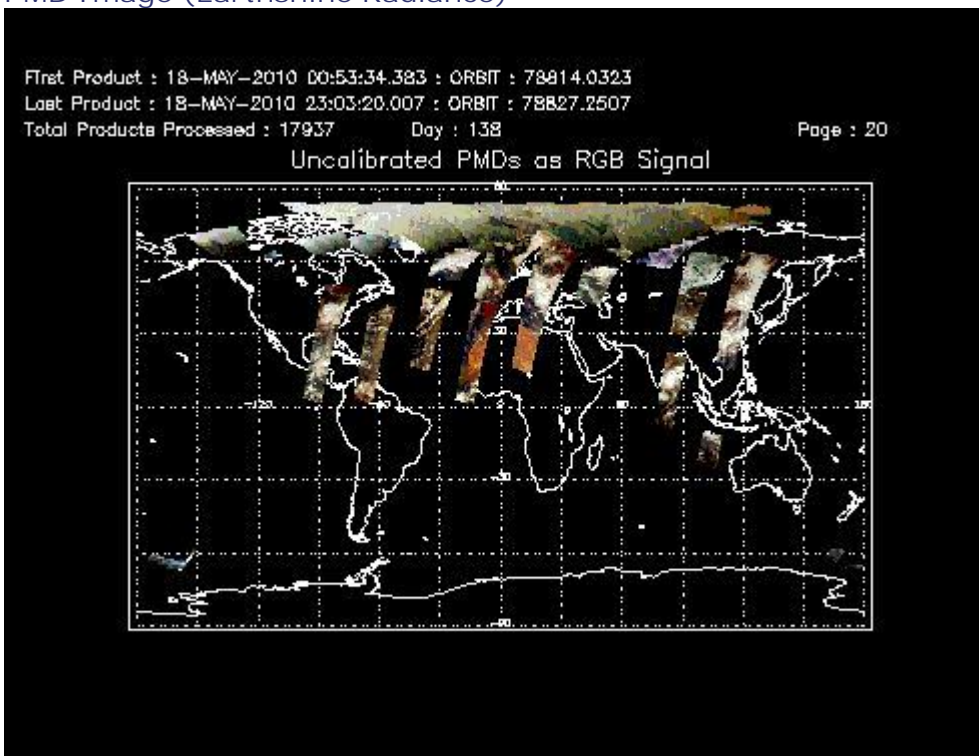
Total Products Processed : 17937 Day : 138

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	19:33:53.227	--	78825	Yes	--	14470

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
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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