

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	25-AUG-2010
Start Time of First Product	00:33:02
Stop Time of Last Product	23:20:48
Number of EGOI Products analysed	36
Number of corrupted products	1
Anomalies and/or Special Operations	<i>Narrow Swath continued from previous day, stop orbit: 79955</i>

1.2 - List of received products

Name	Date	Time
EGOI_100805HLEP6601.E2	05-AUG-2010	10:57:08.785
EGOI_100805HLEP6606.E2	05-AUG-2010	12:40:16.920
EGOI_100805HLEP6616.E2	05-AUG-2010	14:17:26.507
EGOI_100805HLEP6625.E2	05-AUG-2010	22:18:35.443
EGOI_100805KSEP5441.E2	05-AUG-2010	06:35:43.190
EGOI_100805KSEP5459.E2	05-AUG-2010	08:15:39.303
EGOI_100805KSEP5477.E2	05-AUG-2010	09:55:17.410
EGOI_100805KSEP5498.E2	05-AUG-2010	11:34:54.017
EGOI_100805KSEP5527.E2	05-AUG-2010	13:13:57.623

EGOI_100805KSEP5538.E2	05-AUG-2010	14:52:43.222
EGOI_100805KSEP5565.E2	05-AUG-2010	16:30:22.821
EGOI_100805KSEP5595.E2	05-AUG-2010	18:08:20.416
EGOI_100805KSEP5626.E2	05-AUG-2010	19:46:36.015
EGOI_100805KSEP5648.E2	05-AUG-2010	21:27:09.633
EGOI_100805KSEP5672.E2	05-AUG-2010	23:10:02.759
EGOI_100805MAEP5300.E2	05-AUG-2010	08:24:01.846
EGOI_100805MAEP5316.E2	05-AUG-2010	10:02:47.452
EGOI_100805MAEP5333.E2	05-AUG-2010	21:19:35.081
EGOI_100805MIEP8095.E2	05-AUG-2010	02:50:10.319
EGOI_100805MIEP8112.E2	05-AUG-2010	04:30:09.428
EGOI_100805MIEP8133.E2	05-AUG-2010	15:10:26.832
EGOI_100805MIEP8153.E2	05-AUG-2010	16:49:31.934
EGOI_100805MMEP2503.E2	05-AUG-2010	00:33:01.987
EGOI_100805MMEP2510.E2	05-AUG-2010	02:15:14.608
EGOI_100805MMEP2519.E2	05-AUG-2010	07:22:01.471
EGOI_100805MMEP2528.E2	05-AUG-2010	10:43:14.701
EGOI_100805MMEP2534.E2	05-AUG-2010	12:23:12.310
EGOI_100805MMEP2548.E2	05-AUG-2010	20:40:34.844
EGOI_100805MSEP4854.E2	05-AUG-2010	10:10:35.501
EGOI_100805MSEP4884.E2	05-AUG-2010	11:47:49.595
EGOI_100805MSEP4906.E2	05-AUG-2010	13:29:24.714
EGOI_100805MSEP4921.E2	05-AUG-2010	21:21:47.094
EGOI_100805MSEP4953.E2	05-AUG-2010	22:56:29.674
EGOI_100805SGEP7163.E2	05-AUG-2010	01:57:14.498
EGOI_100805SGEP7173.E2	05-AUG-2010	14:29:35.585
EGOI_100805SGEP7180.E2	05-AUG-2010	16:08:58.692

[[BACK TO MENU](#)]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	79948	05-AUG-2010	06:34:30.566	06:35:43.189	72.623000
KS	79949	05-AUG-2010	08:13:45.941	08:15:39.303	113.36200
KS	79950	05-AUG-2010	09:53:23.291	09:55:17.410	114.11900
KS	79951	05-AUG-2010	11:32:55.074	11:34:54.017	118.94300
KS	79952	05-AUG-2010	13:12:03.586	13:13:57.622	114.03600
KS	79953	05-AUG-2010	14:50:43.085	14:52:43.222	120.13700
KS	79954	05-AUG-2010	16:28:22.199	16:30:22.820	120.62100
KS	79955	05-AUG-2010	18:06:09.647	18:08:20.415	130.76800
KS	79956	05-AUG-2010	19:45:04.253	19:46:36.014	91.761000
KS	79957	05-AUG-2010	21:25:44.116	21:27:09.633	85.517000
KS	79958	05-AUG-2010	23:08:51.587	23:10:02.759	71.172000

MS	79950	05-AUG-2010	10:08:38.764	10:10:35.501	116.73700
MS	79951	05-AUG-2010	11:45:49.137	11:47:49.595	120.45800
MS	79952	05-AUG-2010	13:27:40.106	13:29:24.713	104.60700
MS	79958	05-AUG-2010	22:55:06.207	22:56:29.673	83.466000
MA	79949	05-AUG-2010	08:22:51.462	08:24:01.845	70.383000
MA	79950	05-AUG-2010	10:01:25.953	10:02:47.451	81.498000
MA	79957	05-AUG-2010	21:17:25.250	21:19:35.080	129.83000
MI	79946	05-AUG-2010	02:48:26.577	02:50:10.319	103.74200
MI	79947	05-AUG-2010	04:28:21.465	04:30:09.427	107.96200
MI	79953	05-AUG-2010	15:08:40.690	15:10:26.832	106.14200
MI	79954	05-AUG-2010	16:47:48.008	16:49:31.933	103.92500
MM	79956	05-AUG-2010	20:39:14.059	20:40:34.843	80.784000
SG	79952	05-AUG-2010	14:26:40.286	14:29:35.585	175.29900
SG	79953	05-AUG-2010	16:04:56.855	16:08:58.692	241.83700

[[BACK TO MENU](#)]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	79944	05-AUG-2010	00:20:34.116	00:35:12.186	878.07000
HO	79945	05-AUG-2010	02:04:47.917	02:12:07.011	439.09400
GS	79945	05-AUG-2010	01:15:32.132	01:26:28.267	656.13500
BE	79946	05-AUG-2010	03:18:46.593	03:32:04.958	798.36500
MM	79946	05-AUG-2010	03:57:39.547	04:04:17.113	397.56600
GS	79946	05-AUG-2010	02:52:43.378	03:06:39.488	836.11000
SG	79946	05-AUG-2010	03:29:44.375	03:43:37.317	832.94200
CM	79946	05-AUG-2010	02:49:38.512	02:57:17.353	458.84100
CM	79946	05-AUG-2010	04:26:17.348	04:38:24.999	727.65100
MM	79947	05-AUG-2010	05:40:16.328	05:46:06.540	350.21200
GS	79947	05-AUG-2010	04:34:45.471	04:44:51.876	606.40500
JO	79948	05-AUG-2010	07:00:55.358	07:13:02.433	727.07500
MM	79949	05-AUG-2010	09:02:05.576	09:11:57.476	591.90000
JO	79949	05-AUG-2010	08:38:30.066	08:53:16.636	886.57000
MA	79951	05-AUG-2010	11:42:55.032	11:49:28.173	393.14100
BE	79952	05-AUG-2010	12:57:21.425	13:08:49.661	688.23600
MM	79952	05-AUG-2010	14:02:00.711	14:14:44.607	763.89600
SG	79952	05-AUG-2010	14:26:40.286	14:37:56.736	676.45000

BE	79953	05-AUG-2010	14:35:34.171	14:48:41.334	787.16300
MM	79953	05-AUG-2010	15:41:29.021	15:54:05.654	756.63300
GS	79953	05-AUG-2010	15:02:22.590	15:15:18.994	776.40400
CM	79953	05-AUG-2010	15:13:06.926	15:20:43.238	456.31200
MM	79954	05-AUG-2010	17:20:42.348	17:33:13.904	751.55600
GS	79954	05-AUG-2010	16:41:39.061	16:54:59.869	800.80800
CM	79954	05-AUG-2010	16:50:15.382	17:02:18.646	723.26400
MM	79955	05-AUG-2010	18:59:50.656	19:12:28.356	757.70000
GS	79955	05-AUG-2010	18:22:50.798	18:29:51.195	420.39700
JO	79955	05-AUG-2010	19:20:59.702	19:31:36.533	636.83100
MA	79956	05-AUG-2010	19:38:48.828	19:50:55.074	726.24600
JO	79956	05-AUG-2010	20:58:26.593	21:13:23.465	896.87200
HO	79957	05-AUG-2010	22:12:38.583	22:23:50.149	671.56600
MM	79957	05-AUG-2010	22:19:16.022	22:31:43.885	747.86300
JO	79957	05-AUG-2010	22:40:35.776	22:48:04.251	448.47500
HO	79958	05-AUG-2010	23:49:30.005	00:03:57.670	867.66500

[[BACK TO MENU](#)]

1.5 - List of corrupted products

Station	Orbit	Time
MI	79953	15:20:31.390

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

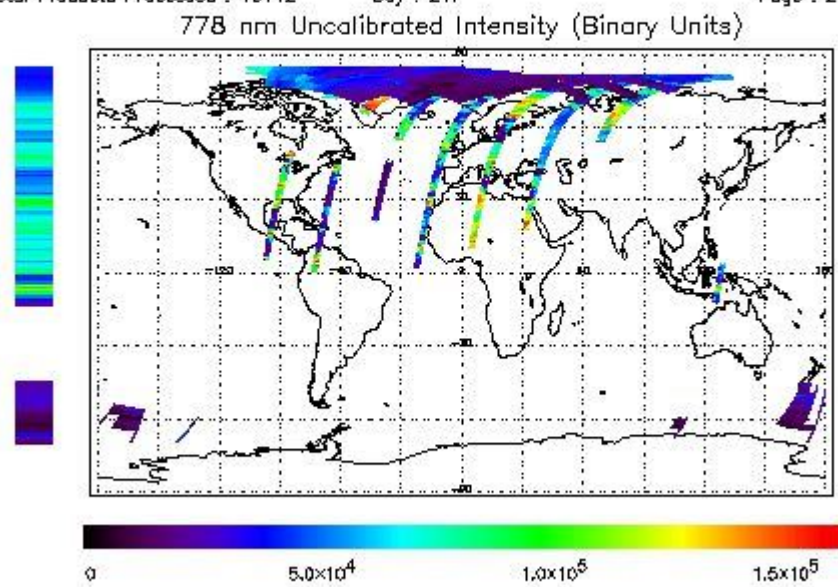
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 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 : 05-AUG-2010 00:33:01.987 : ORBIT : 79944.6567
 Last Product : 05-AUG-2010 23:20:47.821 : ORBIT : 79958.2529
 Total Products Processed : 18112 Day : 217 Page : 21

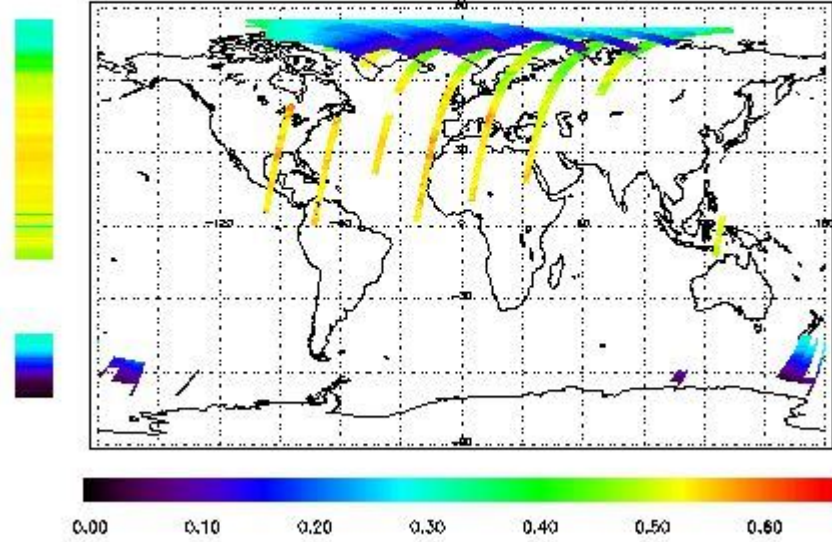


Ozone Line Ratio

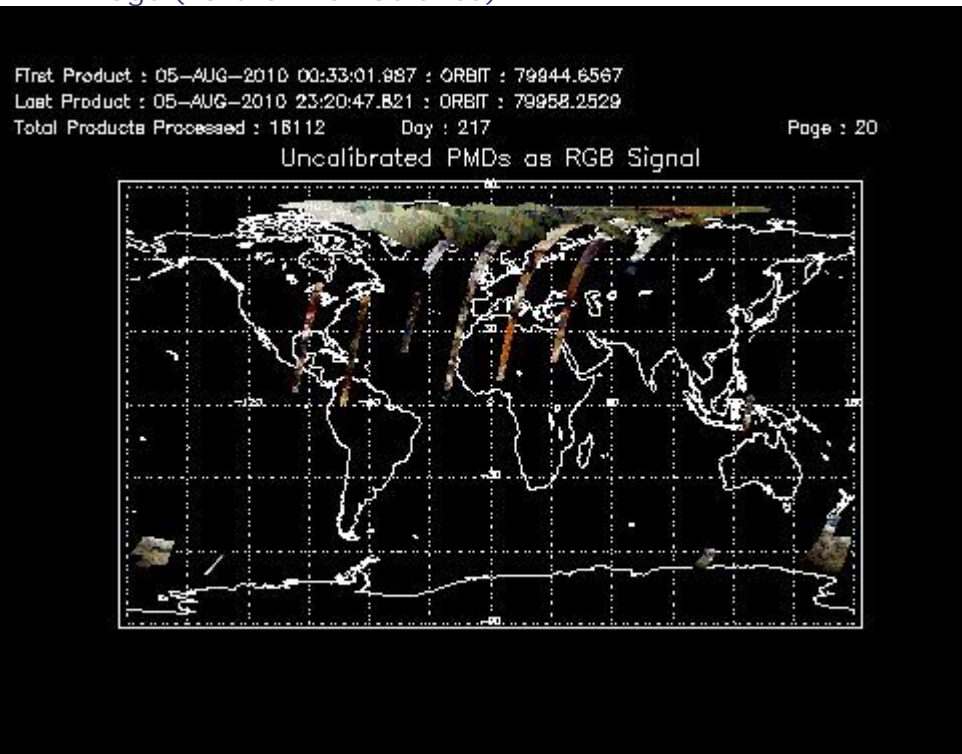
First Product : 05-AUG-2010 00:33:01.987 : ORBIT : 79944.6567
 Last Product : 05-AUG-2010 23:20:47.821 : ORBIT : 79958.2529
 Total Products Processed : 18112 Day : 217

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	18:11:29.439	--	79955	Yes	--	14800

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
--	--	--	--	--

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
20:00	18:00	79942	79955

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