

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	15-JAN-2010
Start Time of First Product	00:18:02
Stop Time of Last Product	22:29:33
Number of EGOI Products analysed	35
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath continued from previous day, stop orbit: 77059

1.2 - List of received products

Name	Date	Time
EGOI_100115BEEP1658.E2	15-JAN-2010	02:30:09.197
EGOI_100115BEEP1664.E2	15-JAN-2010	04:09:51.804
EGOI_100115CMEP6302.E2	15-JAN-2010	03:36:45.600
EGOI_100115CMEP6311.E2	15-JAN-2010	05:17:29.723
EGOI_100115CMEP6322.E2	15-JAN-2010	16:00:42.687
EGOI_100115CMEP6330.E2	15-JAN-2010	17:41:28.307
EGOI_100115GSEP7417.E2	15-JAN-2010	02:03:54.032
EGOI_100115GSEP7448.E2	15-JAN-2010	03:43:41.143
EGOI_100115GSEP7456.E2	15-JAN-2010	05:25:58.282

EGOI_100115KSEP6242.E2	15-JAN-2010	07:24:26.006
EGOI_100115KSEP6265.E2	15-JAN-2010	09:04:28.122
EGOI_100115KSEP6289.E2	15-JAN-2010	10:44:07.734
EGOI_100115KSEP6318.E2	15-JAN-2010	12:23:29.346
EGOI_100115KSEP6349.E2	15-JAN-2010	14:02:26.962
EGOI_100115KSEP6377.E2	15-JAN-2010	15:40:33.561
EGOI_100115KSEP6409.E2	15-JAN-2010	17:18:17.666
EGOI_100115KSEP6444.E2	15-JAN-2010	18:56:09.266
EGOI_100115KSEP6480.E2	15-JAN-2010	20:35:33.881
EGOI_100115KSEP6489.E2	15-JAN-2010	22:17:15.013
EGOI_100115MAEP7885.E2	15-JAN-2010	09:11:40.169
EGOI_100115MAEP7897.E2	15-JAN-2010	10:51:40.781
EGOI_100115MIEP0298.E2	15-JAN-2010	02:02:12.025
EGOI_100115MIEP0327.E2	15-JAN-2010	03:38:24.612
EGOI_100115MIEP0344.E2	15-JAN-2010	05:23:32.762
EGOI_100115MIEP0361.E2	15-JAN-2010	14:22:58.583
EGOI_100115MIEP0371.E2	15-JAN-2010	15:58:27.675
EGOI_100115MIEP0390.E2	15-JAN-2010	17:40:08.800
EGOI_100115MSEP1429.E2	15-JAN-2010	00:18:02.377
EGOI_100115MSEP1454.E2	15-JAN-2010	10:57:25.818
EGOI_100115MSEP1482.E2	15-JAN-2010	12:36:50.433
EGOI_100115MSEP1512.E2	15-JAN-2010	22:07:10.451
EGOI_100115SGEP2950.E2	15-JAN-2010	02:41:40.759
EGOI_100115SGEP2958.E2	15-JAN-2010	04:20:42.874
EGOI_100115SGEP2966.E2	15-JAN-2010	15:15:48.409
EGOI_100115SGEP2973.E2	15-JAN-2010	16:58:10.041

[[BACK TO MENU](#)]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77057	15-JAN-2010	07:22:36.881	07:24:26.005	109.12400
KS	77058	15-JAN-2010	09:02:08.793	09:04:28.121	139.32800
KS	77059	15-JAN-2010	10:41:45.615	10:44:07.734	142.11900
KS	77060	15-JAN-2010	12:21:08.467	12:23:29.345	140.87800
KS	77061	15-JAN-2010	14:00:02.226	14:02:26.962	144.73600
KS	77062	15-JAN-2010	15:38:03.114	15:40:33.560	150.44600
KS	77063	15-JAN-2010	17:15:52.303	17:18:17.665	145.36200
KS	77064	15-JAN-2010	18:54:01.405	18:56:09.265	127.86000
KS	77065	15-JAN-2010	20:33:42.477	20:35:33.881	111.40400
KS	77066	15-JAN-2010	22:15:27.381	22:17:15.013	107.63200
GS	77054	15-JAN-2010	02:02:10.722	02:03:54.032	103.31000
GS	77055	15-JAN-2010	03:41:32.708	03:43:41.142	128.43400

MS	77053	15-JAN-2010	00:15:58.650	00:18:02.377	123.72700
MS	77059	15-JAN-2010	10:55:03.359	10:57:25.818	142.45900
MS	77060	15-JAN-2010	12:34:29.073	12:36:50.432	141.35900
MS	77066	15-JAN-2010	22:05:19.134	22:07:10.450	111.31600
MS	77067	15-JAN-2010	23:43:39.329	23:45:45.555	126.22600
MA	77059	15-JAN-2010	10:49:55.176	10:51:40.780	105.60400
MI	77054	15-JAN-2010	02:00:06.474	02:02:12.025	125.55100
MI	77055	15-JAN-2010	03:36:07.041	03:38:24.611	137.57000
MI	77061	15-JAN-2010	14:21:14.637	14:22:58.582	103.94500
MI	77062	15-JAN-2010	15:56:15.540	15:58:27.674	132.13400
MI	77063	15-JAN-2010	17:38:02.794	17:40:08.799	126.00500
BE	77054	15-JAN-2010	02:27:47.389	02:30:09.196	141.80700
BE	77055	15-JAN-2010	04:07:29.939	04:09:51.804	141.86500
SG	77054	15-JAN-2010	02:39:33.718	02:41:40.758	127.04000
SG	77055	15-JAN-2010	04:18:44.345	04:20:42.874	118.52900
SG	77061	15-JAN-2010	15:13:31.604	15:15:48.409	136.80500
SG	77061	15-JAN-2010	15:18:42.427	15:27:18.841	516.41400
SG	77062	15-JAN-2010	16:55:47.668	16:58:10.041	142.37300
SG	77062	15-JAN-2010	17:01:23.560	17:03:12.170	108.61000
CM	77054	15-JAN-2010	03:35:26.861	03:36:45.599	78.738000
CM	77056	15-JAN-2010	05:16:24.640	05:17:29.723	65.083000
CM	77062	15-JAN-2010	15:59:18.440	16:00:42.687	84.247000
CM	77063	15-JAN-2010	17:39:57.494	17:41:28.306	90.812000

[[BACK TO MENU](#)]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	77053	15-JAN-2010	01:09:53.595	01:22:58.576	784.98100
MM	77053	15-JAN-2010	01:21:48.924	01:31:53.600	604.67600
MM	77054	15-JAN-2010	03:04:37.146	03:12:22.927	465.78100
MM	77055	15-JAN-2010	04:47:38.912	04:53:33.724	354.81200
MM	77056	15-JAN-2010	06:29:36.889	06:36:03.218	386.32900
MM	77057	15-JAN-2010	08:10:26.930	08:19:08.230	521.30000
JO	77057	15-JAN-2010	07:47:32.307	08:02:11.957	879.65000
MM	77058	15-JAN-2010	09:50:47.585	10:01:36.802	649.21700
JO	77058	15-JAN-2010	09:28:12.124	09:40:27.175	735.05100

MM	77059	15-JAN-2010	11:30:53.020	11:43:02.445	729.42500
MM	77060	15-JAN-2010	13:10:44.926	13:23:26.237	761.31100
HO	77061	15-JAN-2010	15:00:05.205	15:09:12.158	546.95300
MM	77061	15-JAN-2010	14:50:21.690	15:03:03.046	761.35600
GS	77061	15-JAN-2010	14:12:25.204	14:21:48.930	563.72600
BE	77062	15-JAN-2010	15:25:19.499	15:36:09.118	649.61900
MM	77062	15-JAN-2010	16:29:42.147	16:42:15.011	752.86400
GS	77062	15-JAN-2010	15:50:22.743	16:04:18.104	835.36100
MM	77063	15-JAN-2010	18:08:51.112	18:21:24.502	753.39000
GS	77063	15-JAN-2010	17:30:27.135	17:41:48.041	680.90600
MM	77064	15-JAN-2010	19:48:03.791	20:00:45.817	762.02600
MA	77064	15-JAN-2010	18:53:07.927	18:57:26.265	258.33800
JO	77064	15-JAN-2010	20:07:39.148	20:21:58.385	859.23700
MM	77065	15-JAN-2010	21:27:43.163	21:40:23.554	760.39100
MA	77065	15-JAN-2010	20:25:59.227	20:39:45.063	825.83600
JO	77065	15-JAN-2010	21:47:17.715	22:00:30.488	792.77300
HO	77066	15-JAN-2010	22:59:14.270	23:12:37.771	803.50100
MM	77066	15-JAN-2010	23:08:11.002	23:20:16.491	725.48900
MA	77066	15-JAN-2010	22:08:21.726	22:18:10.475	588.74900

[[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

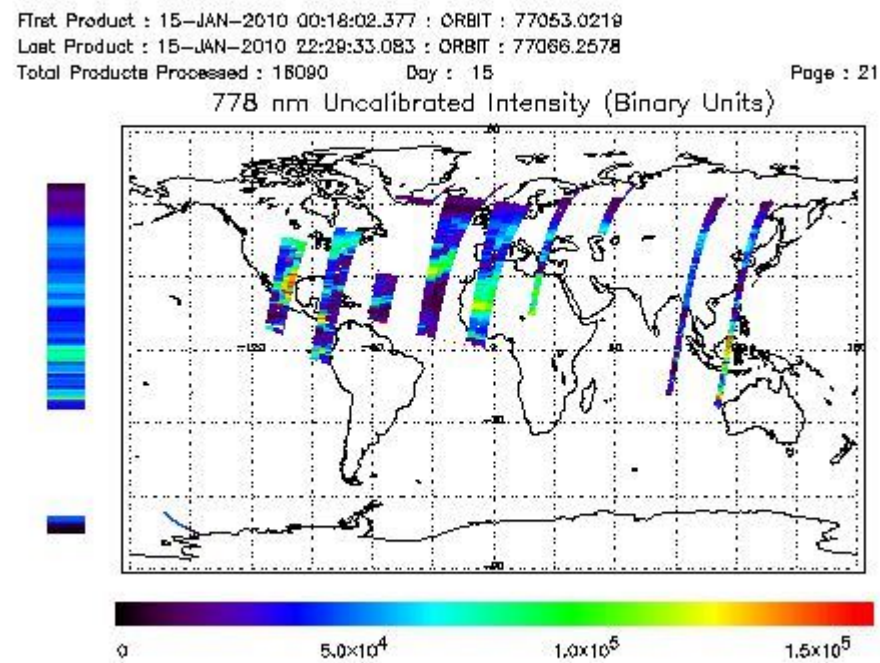
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	OK

Polarization Detectors	OK
FPA Temperatures A	OK
FPA 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

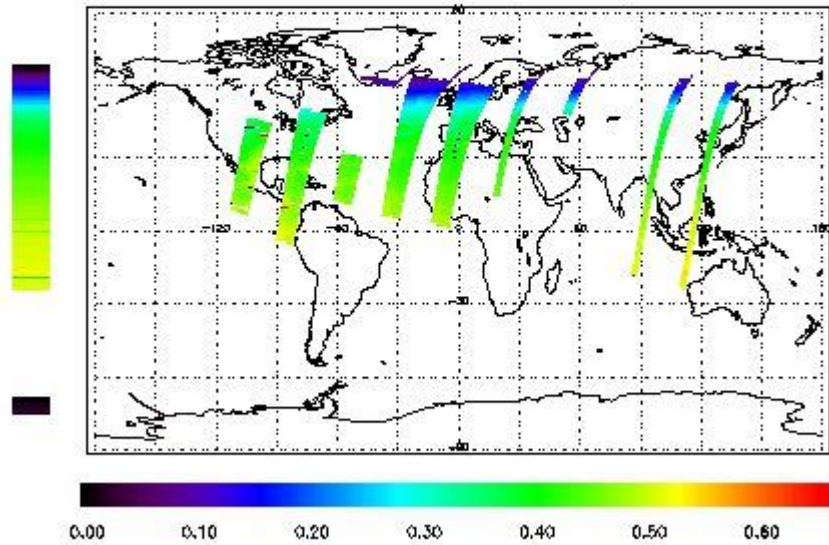


Ozone Line Ratio

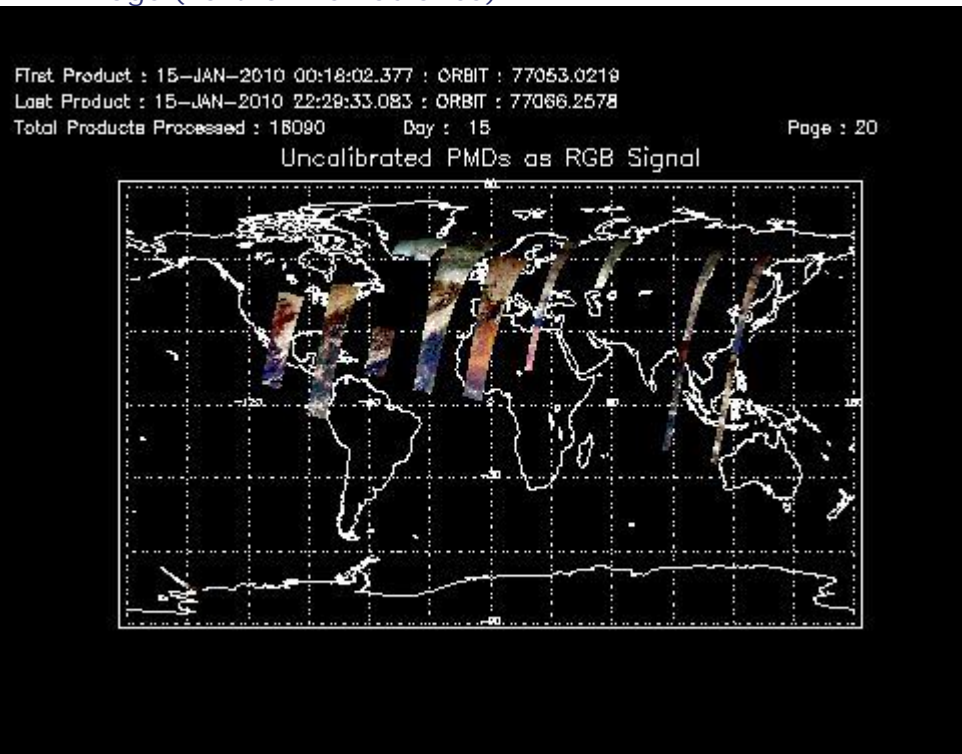
First Product : 15-JAN-2010 00:18:02.377 : ORBIT : 77053.0219
 Last Product : 15-JAN-2010 22:29:33.083 : ORBIT : 77066.2578
 Total Products Processed : 18090 Day : 15

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	10:49:16.765	--	77059	Yes	--	15717

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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(1)

[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
12:30	10:00	77046	77059

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