

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	20-JAN-2010
Start Time of First Product	01:03:55
Stop Time of Last Product	23:12:40
Number of EGOI Products analysed	32
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100120BEEP1716.E2	20-JAN-2010	03:12:34.410
EGOI_100120CMEP6344.E2	20-JAN-2010	02:45:32.742
EGOI_100120CMEP6354.E2	20-JAN-2010	15:06:31.322
EGOI_100120GSEP7771.E2	20-JAN-2010	01:08:54.646
EGOI_100120GSEP7803.E2	20-JAN-2010	02:45:53.745
EGOI_100120GSEP7832.E2	20-JAN-2010	04:27:27.376
EGOI_100120GSEP7839.E2	20-JAN-2010	06:09:49.006
EGOI_100120KSEP7483.E2	20-JAN-2010	06:27:35.612
EGOI_100120KSEP7513.E2	20-JAN-2010	08:07:30.233

EGOI_100120KSEP7536.E2	20-JAN-2010	09:47:09.848
EGOI_100120KSEP7562.E2	20-JAN-2010	11:26:47.964
EGOI_100120KSEP7578.E2	20-JAN-2010	13:05:53.081
EGOI_100120KSEP7594.E2	20-JAN-2010	14:44:40.185
EGOI_100120KSEP7609.E2	20-JAN-2010	16:22:21.290
EGOI_100120KSEP7640.E2	20-JAN-2010	18:00:27.894
EGOI_100120KSEP7674.E2	20-JAN-2010	19:38:25.503
EGOI_100120KSEP7706.E2	20-JAN-2010	21:18:51.622
EGOI_100120KSEP7733.E2	20-JAN-2010	23:01:35.758
EGOI_100120MAEP8036.E2	20-JAN-2010	09:54:57.895
EGOI_100120MIEP0794.E2	20-JAN-2010	02:42:22.222
EGOI_100120MIEP0823.E2	20-JAN-2010	04:21:36.333
EGOI_100120MIEP0849.E2	20-JAN-2010	15:02:35.799
EGOI_100120MIEP0878.E2	20-JAN-2010	16:41:19.911
EGOI_100120MSEP2039.E2	20-JAN-2010	01:03:54.615
EGOI_100120MSEP2057.E2	20-JAN-2010	10:03:02.443
EGOI_100120MSEP2081.E2	20-JAN-2010	11:39:48.048
EGOI_100120MSEP2105.E2	20-JAN-2010	13:20:51.667
EGOI_100120MSEP2121.E2	20-JAN-2010	21:14:29.095
EGOI_100120MSEP2153.E2	20-JAN-2010	22:48:35.672
EGOI_100120SGEP3067.E2	20-JAN-2010	05:05:35.103
EGOI_100120SGEP3073.E2	20-JAN-2010	14:20:34.036
EGOI_100120SGEP3079.E2	20-JAN-2010	15:58:40.645

[[BACK TO MENU](#)]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77128	20-JAN-2010	06:26:03.948	06:27:35.611	91.663000
KS	77129	20-JAN-2010	08:05:13.970	08:07:30.232	136.26200
KS	77130	20-JAN-2010	09:44:50.920	09:47:09.848	138.92800
KS	77131	20-JAN-2010	11:24:23.849	11:26:47.964	144.11500
KS	77132	20-JAN-2010	13:03:35.121	13:05:53.080	137.95900
KS	77133	20-JAN-2010	14:42:17.469	14:44:40.185	142.71600
KS	77134	20-JAN-2010	16:19:57.529	16:22:21.290	143.76100
KS	77135	20-JAN-2010	17:57:47.707	18:00:27.894	160.18700
KS	77136	20-JAN-2010	19:36:31.973	19:38:25.502	113.52900
KS	77137	20-JAN-2010	21:17:01.357	21:18:51.621	110.26400
KS	77138	20-JAN-2010	22:59:53.724	23:01:35.757	102.03300
GS	77125	20-JAN-2010	01:07:25.935	01:08:54.646	88.711000
GS	77126	20-JAN-2010	02:44:13.191	02:45:53.745	100.55400
GS	77127	20-JAN-2010	04:25:44.275	04:27:27.376	103.10100

MS	77131	20-JAN-2010	11:37:20.347	11:39:48.047	147.70000
MS	77132	20-JAN-2010	13:18:32.074	13:20:51.666	139.59200
MS	77138	20-JAN-2010	22:46:41.102	22:48:35.671	114.56900
MA	77130	20-JAN-2010	09:52:53.292	09:54:57.894	124.60200
MI	77126	20-JAN-2010	02:40:11.927	02:42:22.221	130.29400
MI	77127	20-JAN-2010	04:19:29.859	04:21:36.332	126.47300
MI	77133	20-JAN-2010	15:00:26.091	15:02:35.798	129.70700
MI	77134	20-JAN-2010	16:39:07.657	16:41:19.911	132.25400
BE	77126	20-JAN-2010	03:10:14.085	03:12:34.410	140.32500
SG	77132	20-JAN-2010	14:18:39.518	14:20:34.035	114.51700
SG	77133	20-JAN-2010	15:56:15.246	15:58:40.644	145.39800
CM	77126	20-JAN-2010	02:42:01.763	02:45:32.742	210.97900
CM	77133	20-JAN-2010	15:05:28.503	15:06:31.321	62.818000

[[BACK TO MENU](#)]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	77124	20-JAN-2010	00:12:03.156	00:26:41.159	878.00300
MM	77124	20-JAN-2010	00:23:28.958	00:34:37.110	668.15200
HO	77125	20-JAN-2010	01:55:11.015	02:04:13.708	542.69300
MM	77125	20-JAN-2010	02:05:46.844	02:14:54.635	547.79100
MM	77126	20-JAN-2010	03:48:49.275	03:55:37.113	407.83800
SG	77126	20-JAN-2010	03:21:15.119	03:35:06.918	831.79900
CM	77126	20-JAN-2010	04:17:40.871	04:29:59.946	739.07500
BE	77127	20-JAN-2010	04:51:07.450	04:59:43.597	516.14700
MM	77127	20-JAN-2010	05:31:31.739	05:37:19.431	347.69200
MM	77128	20-JAN-2010	07:12:55.300	07:20:14.828	439.52800
JO	77128	20-JAN-2010	06:52:53.979	07:04:14.008	680.02900
MM	77129	20-JAN-2010	08:53:29.516	09:03:10.229	580.71300
MA	77129	20-JAN-2010	08:14:39.804	08:25:16.601	636.79700
JO	77129	20-JAN-2010	08:29:54.068	08:44:49.832	895.76400
MM	77130	20-JAN-2010	10:33:42.963	10:45:13.001	690.03800
MM	77131	20-JAN-2010	12:13:42.706	12:26:11.017	748.31100
MA	77131	20-JAN-2010	11:34:12.336	11:41:40.296	447.96000
MM	77132	20-JAN-2010	13:53:28.372	14:06:12.299	763.92700
BE	77133	20-JAN-2010	14:26:56.825	14:40:13.415	796.59000

MM	77133	20-JAN-2010	15:32:58.098	15:45:35.535	757.43700
GS	77133	20-JAN-2010	14:53:57.953	15:06:32.460	754.50700
MM	77134	20-JAN-2010	17:12:12.473	17:24:44.015	751.54200
GS	77134	20-JAN-2010	16:33:04.719	16:46:37.647	812.92800
CM	77134	20-JAN-2010	16:41:39.739	16:53:55.975	736.23600
MM	77135	20-JAN-2010	18:51:20.550	19:03:57.440	756.89000
GS	77135	20-JAN-2010	18:14:00.811	18:22:00.162	479.35100
JO	77135	20-JAN-2010	19:13:02.363	19:22:23.664	561.30100
MM	77136	20-JAN-2010	20:30:41.714	20:43:25.698	763.98400
MA	77136	20-JAN-2010	19:30:36.790	19:42:13.426	696.63600
JO	77136	20-JAN-2010	20:49:54.631	21:04:55.705	901.07400
HO	77137	20-JAN-2010	22:04:35.957	22:15:08.171	632.21400
MM	77137	20-JAN-2010	22:10:39.544	22:23:10.234	750.69000
MA	77137	20-JAN-2010	21:08:48.204	21:22:05.858	797.65400
JO	77137	20-JAN-2010	22:31:28.616	22:40:26.554	537.93800
HO	77138	20-JAN-2010	23:41:02.491	23:55:25.472	862.98100
MM	77138	20-JAN-2010	23:51:33.078	00:03:09.034	695.95600

[[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

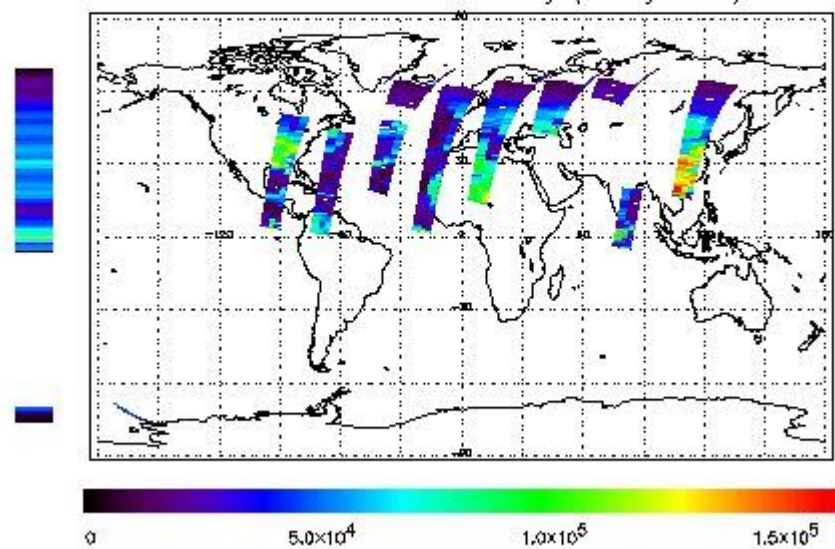
2.2 - Daily Plots

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

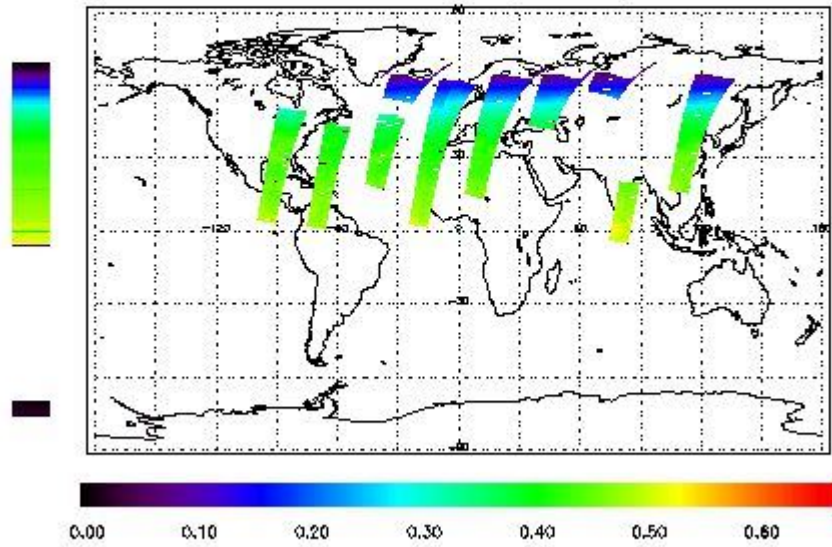
Fret Product : 20-JAN-2010 01:03:54.615 : ORBIT : 77125.0403
 Last Product : 20-JAN-2010 23:12:40.324 : ORBIT : 77138.2578
 Total Products Processed : 14581 Day : 20 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

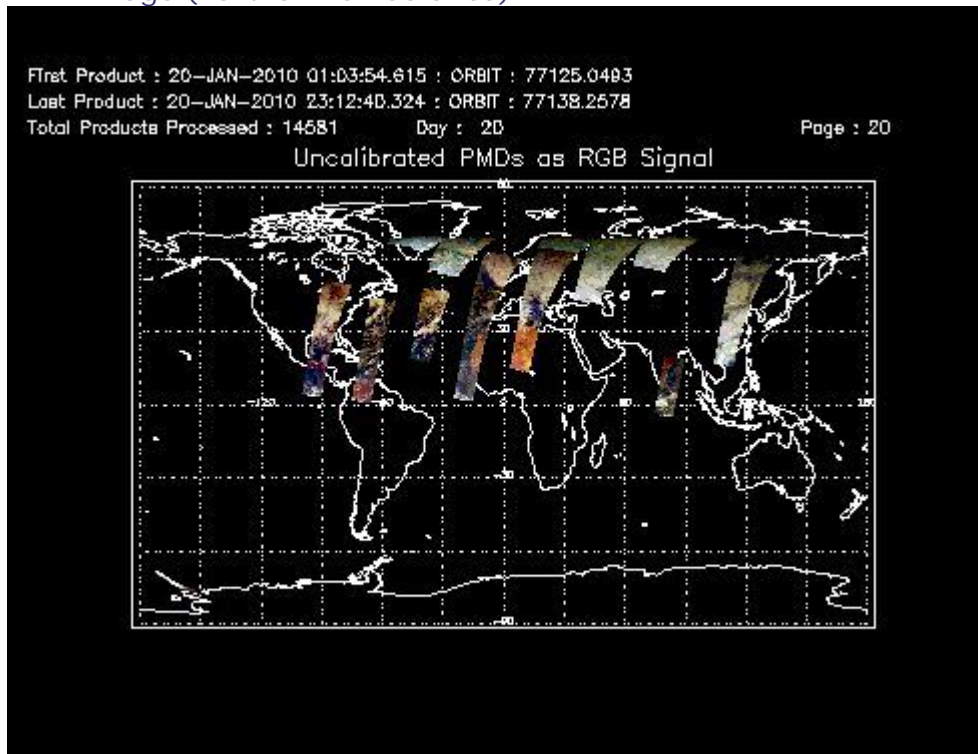


Ozone Line Ratio

First Product : 20-JAN-2010 01:03:54.615 : ORBIT : 77125.0493
 Last Product : 20-JAN-2010 23:12:40.324 : ORBIT : 77138.2578
 Total Products Processed : 14581 Day : 20 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	11:32:01.494	--	77131	Yes	--	15846

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
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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