

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	24-FEB-2010
Start Time of First Product	00:24:07
Stop Time of Last Product	23:12:26
Number of EGOI Products analysed	38
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath performed as planned, start orbit: 77634

1.2 - List of received products

Name	Date	Time
EGOI_100224GSEP0409.E2	24-FEB-2010	01:08:41.310
EGOI_100224GSEP0441.E2	24-FEB-2010	02:45:41.910
EGOI_100224GSEP0470.E2	24-FEB-2010	04:27:14.028
EGOI_100224GSEP0477.E2	24-FEB-2010	06:09:25.159
EGOI_100224KSEP7019.E2	24-FEB-2010	06:27:22.265
EGOI_100224KSEP7049.E2	24-FEB-2010	08:07:15.375
EGOI_100224KSEP7072.E2	24-FEB-2010	09:46:54.982
EGOI_100224KSEP7098.E2	24-FEB-2010	11:26:31.599
EGOI_100224KSEP7130.E2	24-FEB-2010	13:05:38.578

EGOI_100224KSEP7160.E2	24-FEB-2010	14:44:25.682
EGOI_100224KSEP7192.E2	24-FEB-2010	16:22:05.285
EGOI_100224KSEP7225.E2	24-FEB-2010	18:00:13.381
EGOI_100224KSEP7259.E2	24-FEB-2010	19:38:12.485
EGOI_100224KSEP7285.E2	24-FEB-2010	21:18:37.100
EGOI_100224KSEP7313.E2	24-FEB-2010	23:01:21.232
EGOI_100224MAEP9244.E2	24-FEB-2010	09:54:23.533
EGOI_100224MAEP9260.E2	24-FEB-2010	21:10:58.057
EGOI_100224MIEP4273.E2	24-FEB-2010	02:42:08.890
EGOI_100224MIEP4302.E2	24-FEB-2010	04:21:22.993
EGOI_100224MIEP4328.E2	24-FEB-2010	15:02:21.287
EGOI_100224MIEP4357.E2	24-FEB-2010	16:41:03.899
EGOI_100224MMEP4393.E2	24-FEB-2010	00:24:06.536
EGOI_100224MMEP4400.E2	24-FEB-2010	02:06:22.167
EGOI_100224MMEP4411.E2	24-FEB-2010	08:54:24.665
EGOI_100224MMEP4419.E2	24-FEB-2010	10:34:50.780
EGOI_100224MMEP4426.E2	24-FEB-2010	12:14:57.401
EGOI_100224MMEP4434.E2	24-FEB-2010	13:54:34.372
EGOI_100224MMEP4442.E2	24-FEB-2010	15:33:55.983
EGOI_100224MMEP4449.E2	24-FEB-2010	17:14:05.602
EGOI_100224MMEP4457.E2	24-FEB-2010	18:53:16.709
EGOI_100224MMEP4464.E2	24-FEB-2010	20:32:20.317
EGOI_100224MMEP4471.E2	24-FEB-2010	22:12:28.429
EGOI_100224MSEP6106.E2	24-FEB-2010	01:03:42.783
EGOI_100224MSEP6124.E2	24-FEB-2010	10:02:44.585
EGOI_100224MSEP6149.E2	24-FEB-2010	11:39:34.681
EGOI_100224MSEP6172.E2	24-FEB-2010	13:20:40.165
EGOI_100224MSEP6186.E2	24-FEB-2010	21:14:19.077
EGOI_100224MSEP6218.E2	24-FEB-2010	22:48:22.649

[[BACK TO MENU](#)]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77629	24-FEB-2010	06:26:03.948	06:27:22.264	78.316000
KS	77630	24-FEB-2010	08:05:13.970	08:07:15.374	121.40400
KS	77631	24-FEB-2010	09:44:50.920	09:46:54.981	124.06100
KS	77632	24-FEB-2010	11:24:23.849	11:26:31.599	127.75000
KS	77633	24-FEB-2010	13:03:35.122	13:05:38.578	123.45600
KS	77634	24-FEB-2010	14:42:17.469	14:44:25.681	128.21200
KS	77635	24-FEB-2010	16:19:57.529	16:22:05.285	127.75600
KS	77636	24-FEB-2010	17:57:47.707	18:00:13.381	145.67400
KS	77637	24-FEB-2010	19:36:31.973	19:38:12.485	100.51200

KS	77638	24-FEB-2010	21:17:01.357	21:18:37.099	95.742000
KS	77639	24-FEB-2010	22:59:53.724	23:01:21.231	87.507000
GS	77626	24-FEB-2010	01:07:25.936	01:08:41.310	75.374000
GS	77627	24-FEB-2010	02:44:13.191	02:45:41.910	88.719000
GS	77628	24-FEB-2010	04:25:44.275	04:27:14.027	89.752000
MS	77632	24-FEB-2010	11:37:20.347	11:39:34.680	134.33300
MS	77633	24-FEB-2010	13:18:32.075	13:20:40.165	128.09000
MS	77639	24-FEB-2010	22:46:41.102	22:48:22.648	101.54600
MA	77631	24-FEB-2010	09:52:53.292	09:54:23.532	90.240000
MA	77638	24-FEB-2010	21:08:48.204	21:10:58.057	129.85300
MI	77627	24-FEB-2010	02:40:11.927	02:42:08.889	116.96200
MI	77628	24-FEB-2010	04:19:29.859	04:21:22.992	113.13300
MI	77634	24-FEB-2010	15:00:26.091	15:02:21.286	115.19500
MI	77635	24-FEB-2010	16:39:07.657	16:41:03.899	116.24200
MM	77631	24-FEB-2010	10:33:42.963	10:34:50.780	67.817000
MM	77632	24-FEB-2010	12:13:42.706	12:14:57.400	74.694000
MM	77633	24-FEB-2010	13:53:28.373	13:54:34.372	65.999000
MM	77635	24-FEB-2010	17:12:12.473	17:14:05.601	113.12800
MM	77636	24-FEB-2010	18:51:20.550	18:53:16.708	116.15800
MM	77637	24-FEB-2010	20:30:41.714	20:32:20.316	98.602000
MM	77638	24-FEB-2010	22:10:39.544	22:12:28.429	108.88500

[[BACK TO MENU](#)]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	77625	24-FEB-2010	00:12:03.156	00:26:41.159	878.00300
HO	77626	24-FEB-2010	01:55:11.016	02:04:13.709	542.69300
BE	77627	24-FEB-2010	03:10:14.085	03:23:37.433	803.34800
MM	77627	24-FEB-2010	03:48:49.275	03:55:37.113	407.83800
SG	77627	24-FEB-2010	03:21:15.119	03:35:06.918	831.79900
CM	77627	24-FEB-2010	02:42:01.763	02:48:03.528	361.76500
CM	77627	24-FEB-2010	04:17:40.871	04:29:59.946	739.07500
BE	77628	24-FEB-2010	04:51:07.450	04:59:43.597	516.14700
MM	77628	24-FEB-2010	05:31:31.739	05:37:19.431	347.69200
MM	77629	24-FEB-2010	07:12:55.300	07:20:14.828	439.52800
JO	77629	24-FEB-2010	06:52:53.979	07:04:14.008	680.02900

MA	77630	24-FEB-2010	08:14:39.804	08:25:16.601	636.79700
JO	77630	24-FEB-2010	08:29:54.068	08:44:49.832	895.76400
MA	77632	24-FEB-2010	11:34:12.336	11:41:40.296	447.96000
SG	77633	24-FEB-2010	14:18:39.519	14:28:59.881	620.36200
BE	77634	24-FEB-2010	14:26:56.825	14:40:13.415	796.59000
GS	77634	24-FEB-2010	14:53:57.953	15:06:32.460	754.50700
SG	77634	24-FEB-2010	15:56:15.246	16:09:33.319	798.07300
CM	77634	24-FEB-2010	15:05:28.503	15:11:15.881	347.37800
GS	77635	24-FEB-2010	16:33:04.719	16:46:37.647	812.92800
CM	77635	24-FEB-2010	16:41:39.739	16:53:55.975	736.23600
GS	77636	24-FEB-2010	18:14:00.811	18:22:00.162	479.35100
JO	77636	24-FEB-2010	19:13:02.363	19:22:23.664	561.30100
MA	77637	24-FEB-2010	19:30:36.790	19:42:13.426	696.63600
JO	77637	24-FEB-2010	20:49:54.631	21:04:55.705	901.07400
HO	77638	24-FEB-2010	22:04:35.957	22:15:08.171	632.21400
JO	77638	24-FEB-2010	22:31:28.616	22:40:26.554	537.93800
HO	77639	24-FEB-2010	23:41:02.491	23:55:25.472	862.98100
MM	77639	24-FEB-2010	23:51:33.078	00:03:09.034	695.95600

[[BACK TO MENU](#)]

1.5 - List of corrupted products

Station	Orbit	Time
---------	-------	------

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

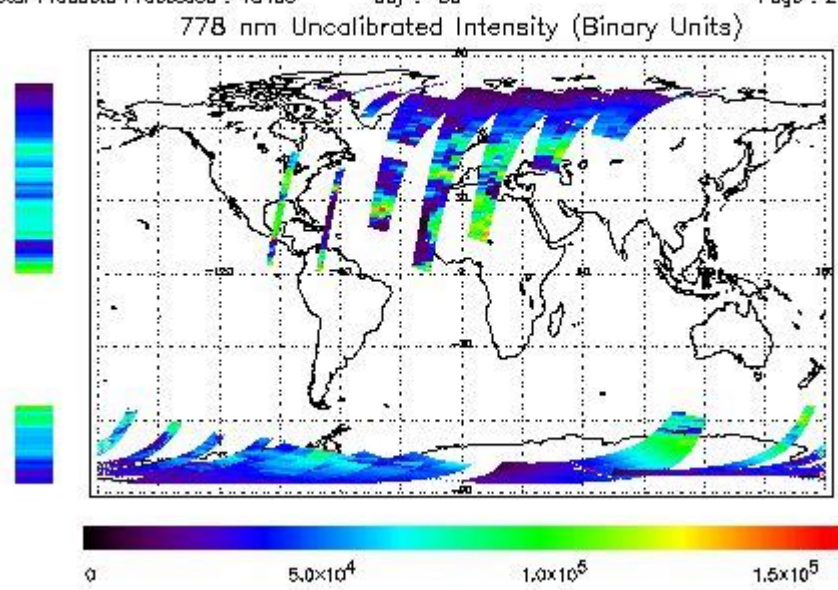
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected 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 : 24-FEB-2010 00:24:06.536 : ORBIT : 77625.6537
 Last Product : 24-FEB-2010 23:12:25.798 : ORBIT : 77639.2554
 Total Products Processed : 18453 Day : 55 Page : 21

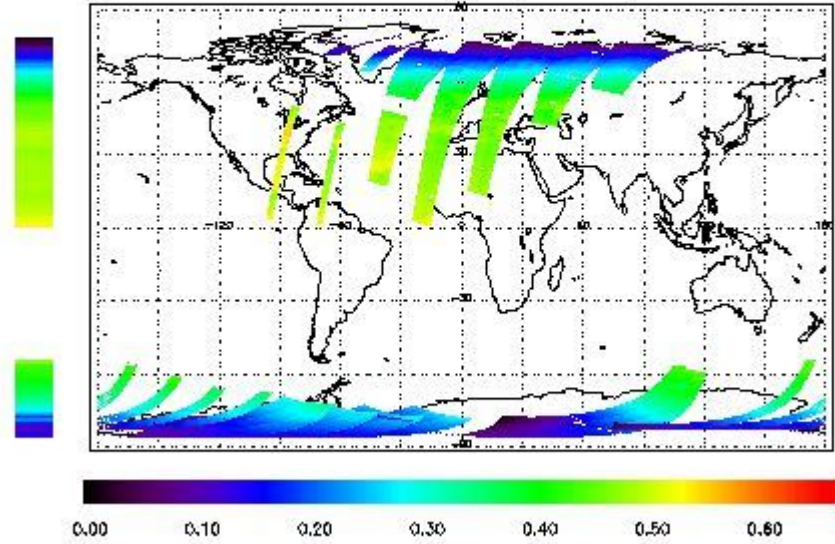


Ozone Line Ratio

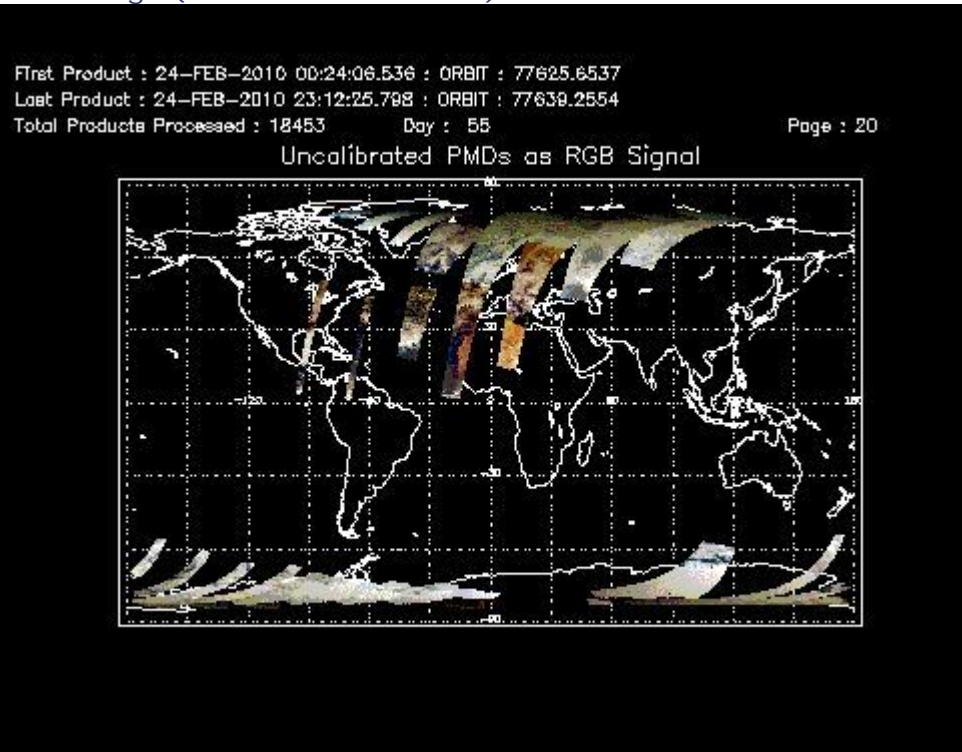
First Product : 24-FEB-2010 00:24:06.536 : ORBIT : 77625.6537
 Last Product : 24-FEB-2010 23:12:25.798 : ORBIT : 77639.2554
 Total Products Processed : 18453 Day : 55

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	13:08:59.597	--	77633	Yes	--	15635

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)
--	--	--	--	--	--	--	--

[[BACK TO MENU](#)]

4 - Instrument Anomalies

4.1 - Single Event Upset (SEU)

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

4.2 - Instrument Off

Start Time	End Time	Start Orbit	End Orbit	MPS Resumption	Ground Station Visibility
--	--	--	--	--	--

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
--	--	--	--	--	--	--	--	--

[[BACK TO MENU](#)]

5 - Instrument Operations

[Additional Info](#)

5.1 - Timeline Interruptions

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

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
--	--	--	--	--

5.5 - Narrow Swath Timeline

Start Time	End Time	Start Orbit	End Orbit
14:00	--	77634	--

5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
--	--	--	--

[[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