

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	23-FEB-2011
Start Time of First Product	00:21:49
Stop Time of Last Product	22:31:09
Number of EGOI Products analysed	27
Number of corrupted products	--
Anomalies and/or Special Operations	Due to the ERS2 orbit lowering manoeuvre data acquired in the transition period, from 22 February to 10 March, are for internal use only; no solar calibration and Narrow Swath measurements planned during the transition period.

1.2 - List of received products

Name	Date	Time
EGOI_110223CMEP4365.E2	23-FEB-2011	03:39:29.497
EGOI_110223CMEP4371.E2	23-FEB-2011	05:20:15.116
EGOI_110223CMEP4377.E2	23-FEB-2011	16:01:52.035
EGOI_110223CMEP4383.E2	23-FEB-2011	17:42:19.652
EGOI_110223GSEP6419.E2	23-FEB-2011	02:06:01.930
EGOI_110223GSEP6424.E2	23-FEB-2011	03:45:20.537
EGOI_110223GSEP6430.E2	23-FEB-2011	05:29:16.675
EGOI_110223KSEP3929.E2	23-FEB-2011	07:26:09.884
EGOI_110223KSEP3935.E2	23-FEB-2011	09:07:26.999
EGOI_110223KSEP3941.E2	23-FEB-2011	10:47:06.609
EGOI_110223KSEP3947.E2	23-FEB-2011	12:26:28.213
EGOI_110223KSEP3953.E2	23-FEB-2011	14:05:25.820
EGOI_110223KSEP3959.E2	23-FEB-2011	15:43:18.925
EGOI_110223KSEP3965.E2	23-FEB-2011	17:21:15.023
EGOI_110223KSEP3971.E2	23-FEB-2011	18:59:02.126
EGOI_110223KSEP3977.E2	23-FEB-2011	20:36:29.722
EGOI_110223KSEP3983.E2	23-FEB-2011	22:18:12.343
EGOI_110223MIEP4047.E2	23-FEB-2011	02:05:00.422
EGOI_110223MIEP4053.E2	23-FEB-2011	03:41:22.009
EGOI_110223MIEP4059.E2	23-FEB-2011	14:25:36.441
EGOI_110223MIEP4065.E2	23-FEB-2011	16:01:28.035
EGOI_110223MIEP4071.E2	23-FEB-2011	17:43:21.156
EGOI_110223MSEP8063.E2	23-FEB-2011	00:21:49.294
EGOI_110223MSEP8071.E2	23-FEB-2011	10:58:54.680
EGOI_110223MSEP8079.E2	23-FEB-2011	12:38:16.291
EGOI_110223MSEP8087.E2	23-FEB-2011	22:08:07.780
EGOI_110223SGEP1726.E2	23-FEB-2011	02:44:48.665

[[BACK TO MENU](#)]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82841	23-FEB-2011	09:04:59.600	09:07:26.998	147.39800
KS	82842	23-FEB-2011	10:44:36.259	10:47:06.608	150.34900
KS	82843	23-FEB-2011	12:23:58.452	12:26:28.212	149.76000
KS	82844	23-FEB-2011	14:02:51.923	14:05:25.820	153.89700
KS	82845	23-FEB-2011	15:40:50.685	15:43:18.925	148.24000
KS	82846	23-FEB-2011	17:18:41.013	17:21:15.023	154.01000
KS	82847	23-FEB-2011	18:56:50.917	18:59:02.125	131.20800
GS	82837	23-FEB-2011	02:04:57.406	02:06:01.929	64.523000
MS	82836	23-FEB-2011	00:18:57.897	00:21:49.294	171.39700
MS	82842	23-FEB-2011	10:57:45.881	10:58:54.679	68.798000

MS	82850	23-FEB-2011	23:46:33.577	23:49:12.903	159.32600
MI	82837	23-FEB-2011	02:02:41.705	02:05:00.421	138.71600
MI	82838	23-FEB-2011	03:38:58.146	03:41:22.008	143.86200
MI	82844	23-FEB-2011	14:23:33.685	14:25:36.441	122.75600
MI	82845	23-FEB-2011	15:59:05.586	16:01:28.034	142.44800
MI	82846	23-FEB-2011	17:41:07.339	17:43:21.155	133.81600
SG	82837	23-FEB-2011	02:42:17.751	02:44:48.664	150.91300
CM	82837	23-FEB-2011	03:38:13.234	03:39:29.496	76.262000

[[BACK TO MENU](#)]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	82836	23-FEB-2011	01:12:47.825	01:25:45.766	777.94100
MM	82836	23-FEB-2011	01:24:44.462	01:34:45.564	601.10200
BE	82837	23-FEB-2011	02:30:36.246	02:43:38.970	782.72400
MM	82837	23-FEB-2011	03:07:33.916	03:15:15.619	461.70300
CM	82837	23-FEB-2011	03:38:13.234	03:50:10.140	716.90600
BE	82838	23-FEB-2011	04:10:23.043	04:22:02.094	699.05100
MM	82838	23-FEB-2011	04:50:34.911	04:56:28.251	353.34000
SG	82838	23-FEB-2011	04:21:40.696	04:33:35.560	714.86400
MM	82839	23-FEB-2011	06:32:30.467	06:38:59.874	389.40700
MM	82840	23-FEB-2011	08:13:19.238	08:22:04.632	525.39400
JO	82840	23-FEB-2011	07:50:19.782	08:05:03.671	883.88900
MM	82841	23-FEB-2011	09:53:39.357	10:04:31.592	652.23500
MA	82841	23-FEB-2011	09:13:33.780	09:26:20.591	766.81100
JO	82841	23-FEB-2011	09:31:11.500	09:43:10.588	719.08800
MM	82842	23-FEB-2011	11:33:44.411	11:45:55.368	730.95700
MA	82842	23-FEB-2011	10:52:48.331	11:03:51.099	662.76800
MM	82843	23-FEB-2011	13:13:35.912	13:26:17.563	761.65100
HO	82844	23-FEB-2011	15:03:00.416	15:11:56.324	535.90800
MM	82844	23-FEB-2011	14:53:12.215	15:05:53.335	761.12000
GS	82844	23-FEB-2011	14:15:08.987	14:24:51.348	582.36100
SG	82844	23-FEB-2011	15:16:20.330	15:30:09.961	829.63100
BE	82845	23-FEB-2011	15:28:18.720	15:38:54.298	635.57800
MM	82845	23-FEB-2011	16:32:32.231	16:45:04.939	752.70800
GS	82845	23-FEB-2011	15:53:13.017	16:07:08.897	835.88000

SG	82845	23-FEB-2011	16:58:57.586	17:05:41.353	403.76700
MM	82846	23-FEB-2011	18:11:41.040	18:24:14.621	753.58100
GS	82846	23-FEB-2011	17:33:20.234	17:44:31.056	670.82200
MM	82847	23-FEB-2011	19:50:54.146	20:03:36.380	762.23400
MA	82847	23-FEB-2011	18:55:53.081	19:00:17.539	264.45800
JO	82847	23-FEB-2011	20:10:26.762	20:24:52.332	865.57000
MM	82848	23-FEB-2011	21:30:34.626	21:43:14.583	759.95700
MA	82848	23-FEB-2011	20:28:47.809	20:42:32.303	824.49400
JO	82848	23-FEB-2011	21:50:11.972	22:03:13.771	781.79900
HO	82849	23-FEB-2011	23:01:58.891	23:15:29.547	810.65600
MM	82849	23-FEB-2011	23:11:04.106	23:23:07.922	723.81600
MA	82849	23-FEB-2011	22:11:22.164	22:20:55.033	572.86900

[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

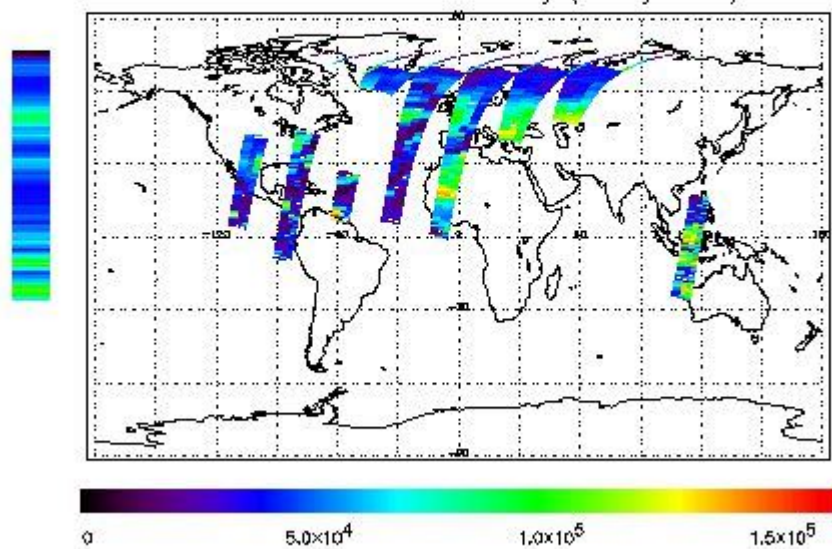
2.2 - Daily Plots

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

First Product : 23-FEB-2011 00:21:49.294 : ORBIT : 82836.0309
 Last Product : 23-FEB-2011 22:31:09.421 : ORBIT : 82849.2452
 Total Products Processed : 12769 Day : 54 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

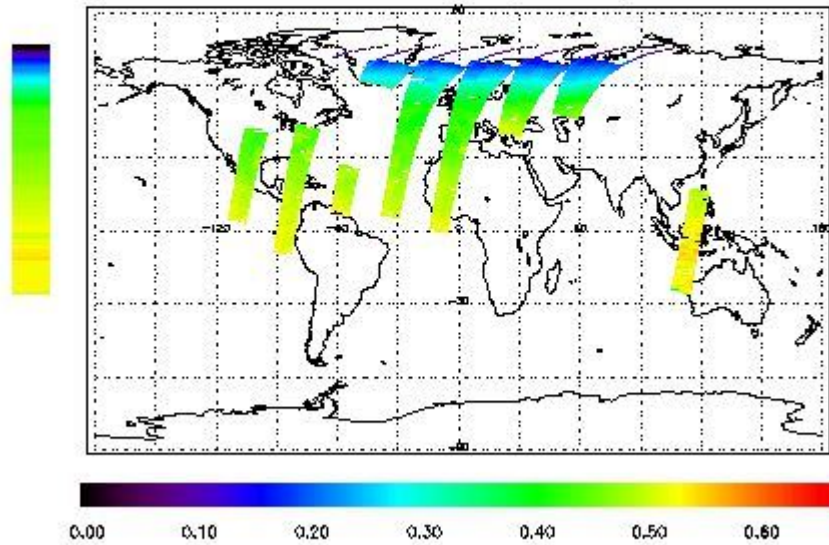


Ozone Line Ratio

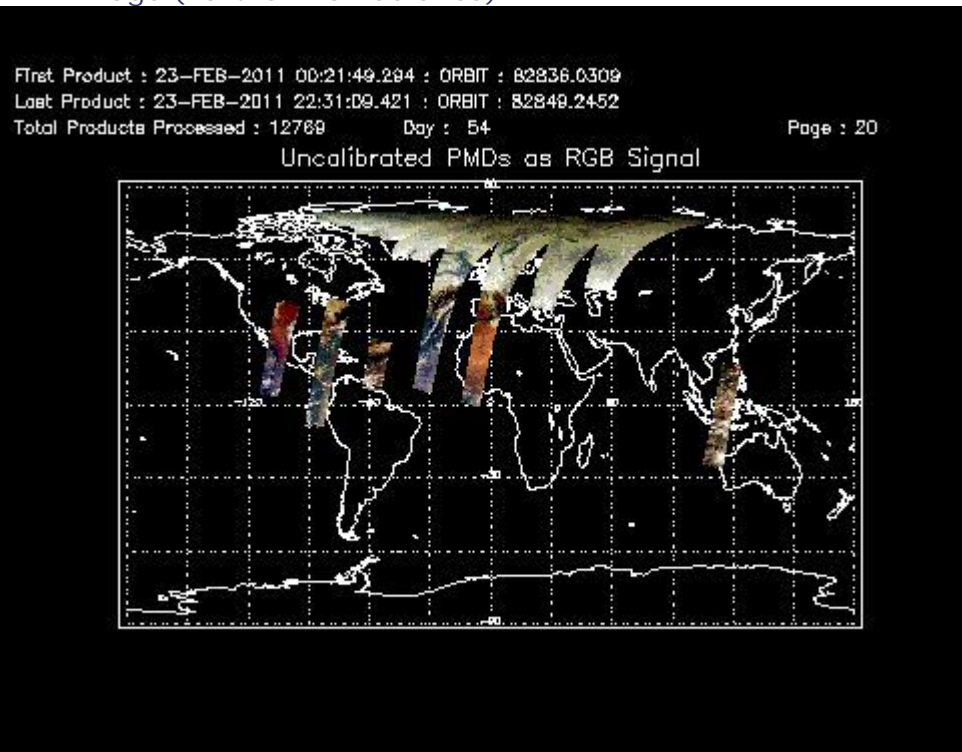
First Product : 23-FEB-2011 00:21:49.294 : ORBIT : 82836.0309
 Last Product : 23-FEB-2011 22:31:09.421 : ORBIT : 82849.2452
 Total Products Processed : 12769 Day : 54

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)
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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
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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