GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	15-MAR-2010
Start Time of First Product	00:26:49
Stop Time of Last Product	23:15:09
Number of EGOI Products analysed	36
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath continued from previous day, stop orbit: 77908; no solar calibration measurements available due to the execution of an ERS-2 orbit manoeuvre; long science dump over SG, orbit 77906, time interval: 14:23:07-14:34:07

1.2 - List of received products

Name	Date	Time
EGOI_100315BEEP2142.E2	15-MAR-2010	03:15:07.625
EGOI_100315CMEP7036.E2	15-MAR-2010	15:08:17.994
EGOI_100315CMEP7042.E2	15-MAR-2010	16:45:24.590
EGOI_100315GSEP1759.E2	15-MAR-2010	01:11:33.869
EGOI_100315GSEP1791.E2	15-MAR-2010	02:48:23.961
EGOI_100315GSEP1819.E2	15-MAR-2010	04:30:06.583
EGOI_100315GSEP1826.E2	15-MAR-2010	06:12:13.212
EGOI_100315KSEP2500.E2	15-MAR-2010	08:09:58.933
EGOI_100315KSEP2522.E2	15-MAR-2010	09:49:38.543
EGOI_100315KSEP2548.E2	15-MAR-2010	11:29:15.150
EGOI_100315KSEP2567.E2	15-MAR-2010	13:08:20.261
EGOI_100315KSEP2580.E2	15-MAR-2010	14:47:05.869
EGOI_100315KSEP2610.E2	15-MAR-2010	16:24:46.968
EGOI_100315KSEP2643.E2	15-MAR-2010	18:02:52.064
EGOI_100315KSEP2679.E2	15-MAR-2010	19:40:55.663
EGOI_100315KSEP2705.E2	15-MAR-2010	21:21:24.783
EGOI_100315KSEP2731.E2	15-MAR-2010	23:04:08.910
EGOI_100315MAEP9874.E2	15-MAR-2010	08:18:16.984
EGOI_100315MAEP9889.E2	15-MAR-2010	09:57:07.086
EGOI_100315MAEP9905.E2	15-MAR-2010	21:13:45.732
EGOI_100315MIEP6166.E2	15-MAR-2010	02:44:40.437
EGOI_100315MIEP6194.E2	15-MAR-2010	04:24:14.048
EGOI_100315MIEP6220.E2	15-MAR-2010	15:04:55.470
EGOI_100315MIEP6249.E2	15-MAR-2010	16:43:50.078
EGOI_100315MMEP5544.E2	15-MAR-2010	00:26:48.590
EGOI_100315MMEP5551.E2	15-MAR-2010	03:52:15.352
EGOI_100315MMEP5563.E2	15-MAR-2010	15:36:39.166
EGOI_100315MSEP8359.E2	15-MAR-2010	10:05:13.137
EGOI_100315MSEP8384.E2	15-MAR-2010	11:42:15.237
EGOI_100315MSEP8406.E2	15-MAR-2010	13:23:33.852
EGOI_100315MSEP8420.E2	15-MAR-2010	21:16:33.751
EGOI_100315MSEP8447.E2	15-MAR-2010	22:50:58.328
EGOI_100315SGEP4283.E2	15-MAR-2010	03:26:55.696
EGOI_100315SGEP4290.E2	15-MAR-2010	05:08:27.818
EGOI_100315SGEP4295.E2	15-MAR-2010	14:23:07.220
EGOI_100315SGEP4301.E2	15-MAR-2010	16:01:22.819

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77902	15-MAR-2010	08:08:04.612	08:09:58.932	114.32000
KS	77903	15-MAR-2010	09:47:41.714	09:49:38.543	116.82900
KS	77904	15-MAR-2010	11:27:14.276	11:29:15.150	120.87400

KS	77905	15-MAR-2010	13:06:24.644	13:08:20.260	115.61600
KS	77906	15-MAR-2010	14:45:06.040	14:47:05.869	119.82900
KS	77907	15-MAR-2010	16:22:46.000	16:24:46.967	120.96700
KS	77908	15-MAR-2010	18:00:34.579	18:02:52.063	137.48400
KS	77909	15-MAR-2010	19:39:22.648	19:40:55.662	93.014000
KS	77910	15-MAR-2010	21:19:55.494	21:21:24.782	89.288000
KS	77911	15-MAR-2010	23:02:52.822	23:04:08.910	76.088000
GS	77898	15-MAR-2010	01:10:07.707	01:11:33.869	86.162000
GS	77899	15-MAR-2010	02:47:03.041	02:48:23.961	80.920000
GS	77900	15-MAR-2010	04:28:44.153	04:30:06.582	82.429000
MS	77904	15-MAR-2010	11:40:10.127	11:42:15.236	125.10900
MS	77905	15-MAR-2010	13:21:33.757	13:23:33.851	120.09400
MS	77911	15-MAR-2010	22:49:29.174	22:50:58.327	89.153000
MA	77903	15-MAR-2010	09:55:44.062	09:57:07.086	83.024000
MA	77910	15-MAR-2010	21:11:40.299	21:13:45.731	125.43200
MI	77899	15-MAR-2010	02:42:56.427	02:44:40.436	104.00900
MI	77900	15-MAR-2010	04:22:26.558	04:24:14.047	107.48900
MI	77906	15-MAR-2010	15:03:10.536	15:04:55.470	104.93400
MI	77907	15-MAR-2010	16:42:00.858	16:43:50.077	109.21900
BE	77899	15-MAR-2010	03:13:04.812	03:15:07.624	122.81200
SG	77899	15-MAR-2010	03:24:04.568	03:26:55.695	171.12700
SG	77905	15-MAR-2010	14:21:19.024	14:23:07.219	108.19500
SG	77906	15-MAR-2010	15:59:08.749	16:01:22.818	134.06900

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	77897	15-MAR-2010	00:14:53.351	00:29:31.588	878.23700
HO	77898	15-MAR-2010	01:58:12.896	02:06:52.471	519.57500
MM	77898	15-MAR-2010	02:08:43.052	02:17:46.841	543.78900
CM	77899	15-MAR-2010	02:44:32.021	02:51:09.982	397.96100
CM	77899	15-MAR-2010	04:20:32.659	04:32:48.592	735.93300
BE	77900	15-MAR-2010	04:54:04.274	05:02:21.705	497.43100
MM	77900	15-MAR-2010	05:34:26.677	05:40:15.065	348.38800
MM	77901	15-MAR-2010	07:15:48.179	07:23:11.650	443.47100
KS	77901	15-MAR-2010	06:28:52.675	06:36:36.003	463.32800

JO	77901	15-MAR-2010	06:55:33.910	07:07:10.520	696.61000
MM	77902	15-MAR-2010	08:56:21.551	09:06:06.025	584.47400
JO	77902	15-MAR-2010	08:32:45.774	08:47:38.958	893.18400
MM	77903	15-MAR-2010	10:36:34.568	10:48:06.982	692.41400
MM	77904	15-MAR-2010	12:16:33.930	12:29:03.201	749.27100
MA	77904	15-MAR-2010	11:37:06.350	11:44:17.140	430.79000
MM	77905	15-MAR-2010	13:56:19.166	14:09:03.100	763.93400
SG	77905	15-MAR-2010	14:21:19.024	14:31:59.529	640.50500
BE	77906	15-MAR-2010	14:29:49.002	14:43:02.857	793.85500
GS	77906	15-MAR-2010	14:56:46.009	15:09:28.272	762.26300
MM	77907	15-MAR-2010	17:15:02.437	17:27:33.972	751.53500
GS	77907	15-MAR-2010	16:35:56.094	16:49:25.265	809.17100
MM	77908	15-MAR-2010	18:54:10.574	19:06:47.732	757.15800
GS	77908	15-MAR-2010	18:16:57.031	18:24:37.769	460.73800
JO	77908	15-MAR-2010	19:15:40.488	19:25:29.040	588.55200
MM	77909	15-MAR-2010	20:33:32.465	20:46:16.467	764.00200
MA	77909	15-MAR-2010	19:33:20.531	19:45:07.507	706.97600
JO	77909	15-MAR-2010	20:52:45.117	21:07:45.237	900.12000
HO	77910	15-MAR-2010	22:07:17.690	22:18:02.330	644.64000
MM	77910	15-MAR-2010	22:13:31.656	22:26:01.439	749.78300
JO	77910	15-MAR-2010	22:34:29.854	22:43:00.450	510.59600
HO	77911	15-MAR-2010	23:43:52.513	23:58:16.071	863.55800
MM	77911	15-MAR-2010	23:54:26.979	00:06:00.623	693.64400

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1.5 - List of corrupted products

Station	Orbit	Time

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

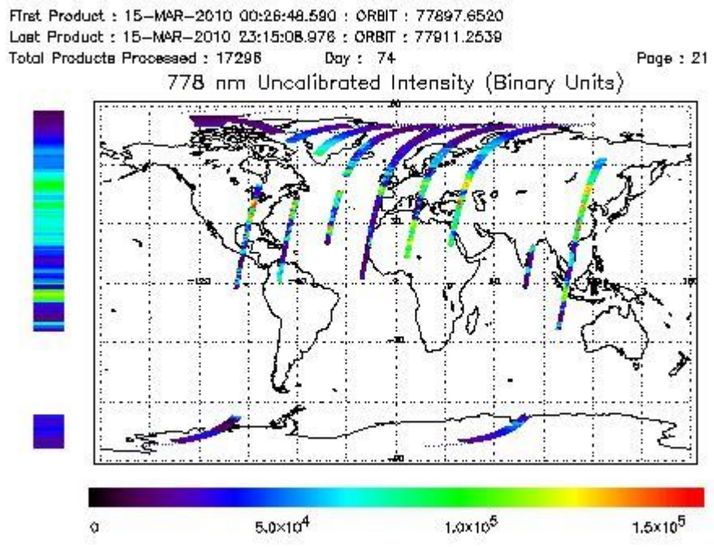
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK

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

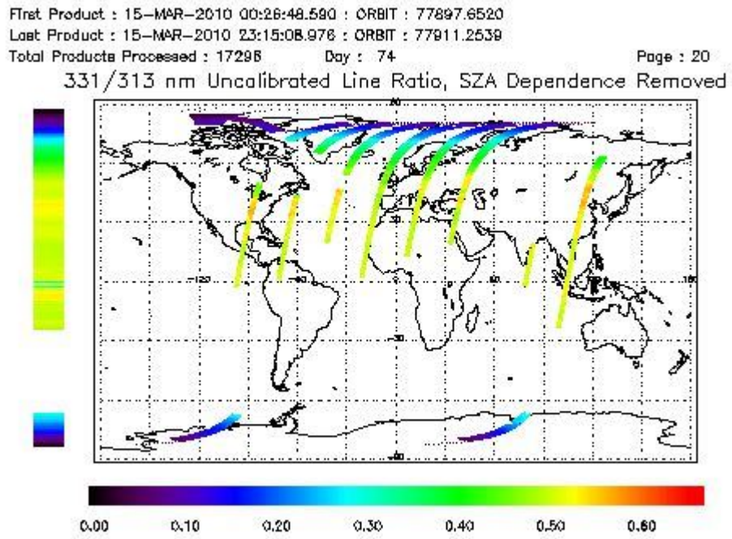
2.2 - Daily Plots

The images linked below provide a quick check on the data coverage and instrument performance. All data are UNCALIBRATED. For the explaination see the GOME Performance Legend

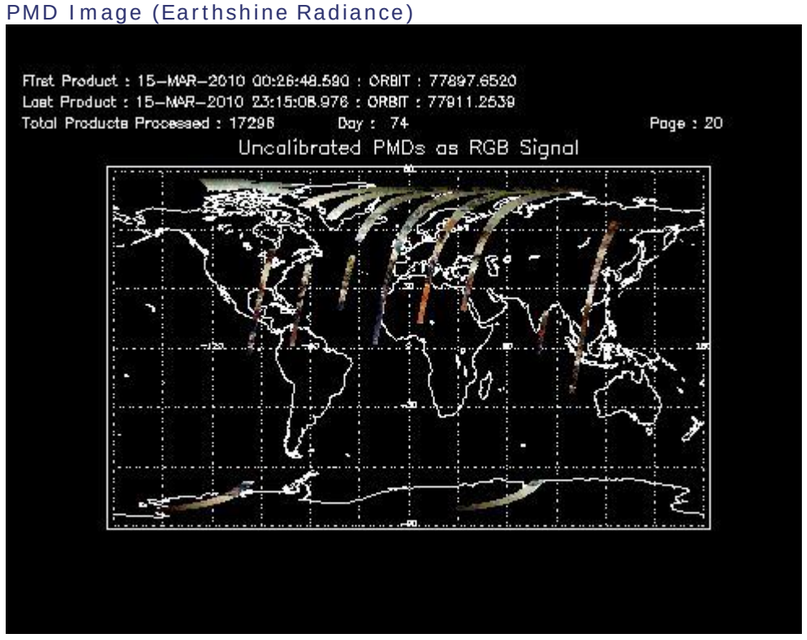
NEAR IR Intensity



Ozone Line Ratio



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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(1)

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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
15:00	18:00	77892	77908

5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
07:00 10-Mar	--	77830	

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(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