GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	27-FEB-2011
Start Time of First Product	23:47:20 (26-Feb)
Stop Time of Last Product	23:38:03
Number of EGOI Products analysed	33
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 measurements and Narrow Swath planned during the transition period

1.2 - List of received products

Name	Date	Time
EGOI_110227CMEP4474.E2	27-FEB-2011	03:07:51.146
EGOI_110227CMEP4482.E2	27-FEB-2011	04:49:00.769
EGOI_110227CMEP4490.E2	27-FEB-2011	15:30:49.722
EGOI_110227CMEP4499.E2	27-FEB-2011	17:09:27.825
EGOI_110227GSEP6637.E2	27-FEB-2011	01:34:58.075
EGOI_110227GSEP6668.E2	27-FEB-2011	03:12:49.678
EGOI_110227GSEP6677.E2	27-FEB-2011	04:55:45.810
EGOI_110227KSEP4803.E2	27-FEB-2011	00:03:45.514
EGOI_110227KSEP4826.E2	27-FEB-2011	06:54:16.539
EGOI_110227KSEP4854.E2	27-FEB-2011	08:34:02.154
EGOI_110227KSEP4876.E2	27-FEB-2011	10:13:35.765
EGOI_110227KSEP4905.E2	27-FEB-2011	11:52:57.380
EGOI_110227KSEP4928.E2	27-FEB-2011	13:31:53.488
EGOI_110227KSEP4949.E2	27-FEB-2011	15:10:27.092
EGOI_110227KSEP4966.E2	27-FEB-2011	16:47:53.196
EGOI_110227KSEP4989.E2	27-FEB-2011	18:25:38.796
EGOI_110227KSEP5009.E2	27-FEB-2011	20:04:13.903
EGOI_110227KSEP5029.E2	27-FEB-2011	21:45:10.026
EGOI_110227KSEP5044.E2	27-FEB-2011	23:28:19.657
EGOI_110227MAEP3054.E2	27-FEB-2011	19:57:49.860
EGOI_110227MIEP4348.E2	27-FEB-2011	03:08:31.650
EGOI_110227MIEP4373.E2	27-FEB-2011	04:49:42.773
EGOI_110227MIEP4398.E2	27-FEB-2011	15:27:58.702
EGOI_110227MIEP4425.E2	27-FEB-2011	17:07:45.813
EGOI_110227MSEP8425.E2	26-FEB-2011	23:47:19.912
EGOI_110227MSEP8450.E2	27-FEB-2011	10:28:08.859
EGOI_110227MSEP8479.E2	27-FEB-2011	12:05:55.956
EGOI_110227MSEP8501.E2	27-FEB-2011	21:37:29.476
EGOI_110227MSEP8533.E2	27-FEB-2011	23:14:03.071
EGOI_110227SGEP1795.E2	27-FEB-2011	02:18:16.345
EGOI_110227SGEP1802.E2	27-FEB-2011	03:58:55.964
EGOI_110227SGEP1808.E2	27-FEB-2011	14:47:43.455
EGOI_110227SGEP1815.E2	27-FEB-2011	16:25:33.555

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82893	27-FEB-2011	00:10:47.059	00:14:06.321	199.26200
KS	82897	27-FEB-2011	07:03:58.597	07:09:22.305	323.70800
KS	82898	27-FEB-2011	08:47:39.736	08:52:30.200	290.46400
KS	82899	27-FEB-2011	10:28:05.858	10:32:59.748	293.89000
KS	82900	27-FEB-2011	12:06:52.961	12:11:47.243	294.28200

KS	82901	27-FEB-2011	13:44:25.061	13:49:36.712	311.65100
KS	82902	27-FEB-2011	15:21:57.165	15:27:25.914	328.74900
KS	82903	27-FEB-2011	17:00:41.273	17:05:56.651	315.37800
KS	82904	27-FEB-2011	18:39:38.878	18:45:07.881	329.00300
KS	82905	27-FEB-2011	20:19:07.992	20:24:40.794	332.80200
KS	82906	27-FEB-2011	21:58:41.607	22:04:17.751	336.14400
KS	82907	27-FEB-2011	23:38:04.718	23:43:27.867	323.14900
GS	82894	27-FEB-2011	01:47:56.656	01:52:23.677	267.02100
GS	82895	27-FEB-2011	03:27:39.268	03:32:09.935	270.66700
MS	82893	27-FEB-2011	00:00:27.494	00:04:55.790	268.29600
MS	82899	27-FEB-2011	10:38:05.917	10:43:44.826	338.90900
MS	82900	27-FEB-2011	12:19:05.038	12:24:22.827	317.78900
MS	82907	27-FEB-2011	23:27:49.653	23:33:59.928	370.27500
MA	82905	27-FEB-2011	20:11:04.945	20:17:06.453	361.50800
MI	82895	27-FEB-2011	03:22:15.235	03:26:45.305	270.07000
MI	82896	27-FEB-2011	04:59:57.838	05:03:52.185	234.34700
MI	82902	27-FEB-2011	15:39:19.772	15:46:45.390	445.61800
MI	82903	27-FEB-2011	17:19:20.383	17:24:13.995	293.61200
SG	82894	27-FEB-2011	02:21:34.363	02:28:05.598	391.23500
SG	82895	27-FEB-2011	03:55:28.580	03:58:55.964	207.38400
SG	82895	27-FEB-2011	04:04:07.995	04:08:51.432	283.43700
SG	82901	27-FEB-2011	14:57:45.016	15:04:18.531	393.51500
SG	82902	27-FEB-2011	16:36:59.128	16:42:19.939	320.81100
CM	82895	27-FEB-2011	03:19:04.716	03:24:03.358	298.64200
CM	82895	27-FEB-2011	04:58:38.327	05:03:21.852	283.52500
CM	82902	27-FEB-2011	15:41:54.287	15:47:51.461	357.17400
CM	82903	27-FEB-2011	17:21:35.399	17:27:04.861	329.46200

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	82893	27-FEB-2011	00:46:36.606	01:00:36.380	839.77400
MM	82893	27-FEB-2011	00:58:26.437	01:08:58.401	631.96400
BE	82894	27-FEB-2011	02:05:22.707	02:17:27.974	725.26700
MM	82894	27-FEB-2011	02:41:03.674	02:49:22.450	498.77600
BE	82895	27-FEB-2011	03:44:30.010	03:57:14.135	764.12500

MM	82895	27-FEB-2011	04:24:08.953	04:30:20.076	371.12300
MM	82896	27-FEB-2011	06:06:26.114	06:12:31.249	365.13500
MM	82897	27-FEB-2011	07:47:27.635	07:55:35.917	488.28200
JO	82897	27-FEB-2011	07:25:23.460	07:39:11.749	828.28900
MM	82898	27-FEB-2011	09:27:52.988	09:38:16.601	623.61300
MA	82898	27-FEB-2011	08:47:50.091	09:00:12.841	742.75000
JO	82898	27-FEB-2011	09:04:35.005	09:18:25.466	830.46100
HO	82899	27-FEB-2011	11:18:38.843	11:28:55.495	616.65200
MM	82899	27-FEB-2011	11:08:01.517	11:19:57.218	715.70100
MA	82899	27-FEB-2011	10:27:01.877	10:39:07.108	725.23100
HO	82900	27-FEB-2011	12:56:33.150	13:11:22.587	889.43700
MM	82900	27-FEB-2011	12:47:56.612	13:00:34.212	757.60000
HO	82901	27-FEB-2011	14:36:49.155	14:48:20.783	691.62800
MM	82901	27-FEB-2011	14:27:37.011	14:40:19.976	762.96500
SG	82901	27-FEB-2011	14:51:13.875	15:04:18.531	784.65600
BE	82902	27-FEB-2011	15:01:41.928	15:13:56.695	734.76700
MM	82902	27-FEB-2011	16:07:01.105	16:19:35.516	754.41100
GS	82902	27-FEB-2011	15:27:43.662	15:41:23.724	820.06200
MM	82903	27-FEB-2011	17:46:11.744	17:58:43.917	752.17300
GS	82903	27-FEB-2011	17:07:26.118	17:19:54.855	748.73700
MM	82904	27-FEB-2011	19:25:21.697	19:38:01.819	760.12200
JO	82904	27-FEB-2011	19:45:27.845	19:58:33.732	785.88700
MM	82905	27-FEB-2011	21:04:52.872	21:17:35.792	762.92000
JO	82905	27-FEB-2011	21:24:11.636	21:38:31.368	859.73200
HO	82906	27-FEB-2011	22:37:02.667	22:49:42.879	760.21200
MM	82906	27-FEB-2011	22:45:08.039	22:57:25.452	737.41300
MA	82906	27-FEB-2011	21:43:49.480	21:56:01.371	731.89100

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1.5 - List of corrupted products

Station	Orbit	Time

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2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

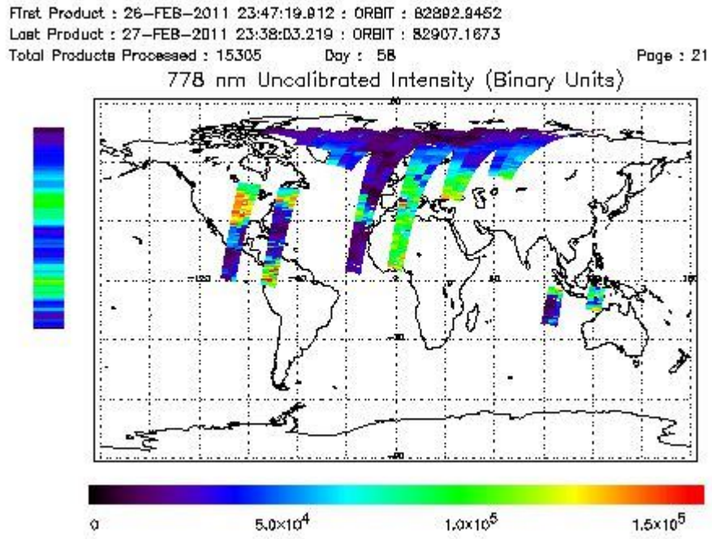
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK

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

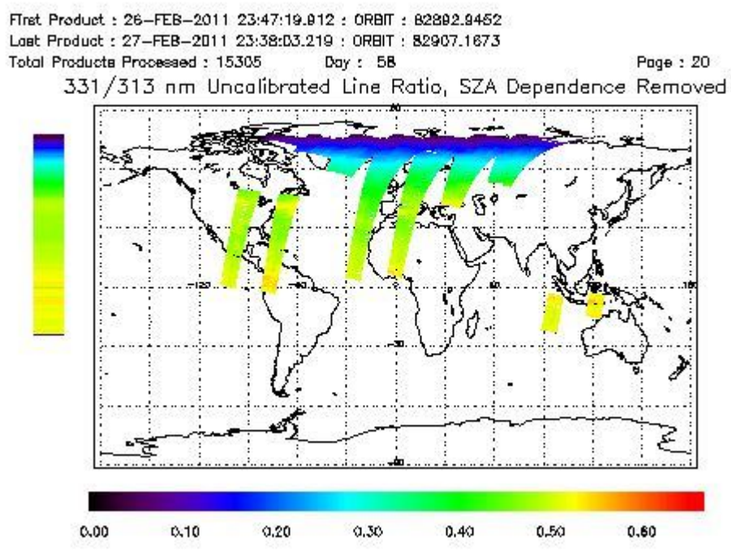
2.2 - Daily Plots

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

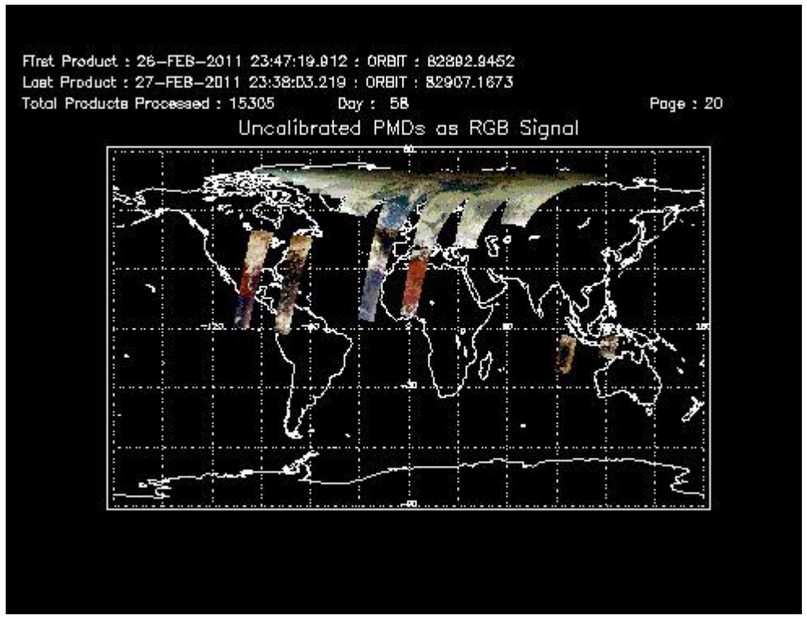
NEAR IR Intensity



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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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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(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