GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	05-APR-2011
Start Time of First Product	00:59:07
Stop Time of Last Product	23:06:52
Number of EGOI Products analysed	34
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath continued from previuos day, stop orbit: 83433

1.2 - List of received products

Name	Date	Time
EGOI_110405CMEP5455.E2	05-APR-2011	02:38:56.651
EGOI_110405CMEP5464.E2	05-APR-2011	04:16:52.753
EGOI_110405CMEP5472.E2	05-APR-2011	15:01:17.697
EGOI_110405CMEP5478.E2	05-APR-2011	16:37:40.793
EGOI_110405GSEP9151.E2	05-APR-2011	01:05:15.581
EGOI_110405GSEP9183.E2	05-APR-2011	02:41:50.671
EGOI_110405GSEP9193.E2	05-APR-2011	04:24:40.800
EGOI_110405KSEP2813.E2	05-APR-2011	06:23:13.022
EGOI_110405KSEP2837.E2	05-APR-2011	08:02:57.138

EGOI_110405KSEP2862.E2	05-APR-2011	09:42:24.752
EGOI_110405KSEP2884.E2	05-APR-2011	11:21:55.355
EGOI_110405KSEP2902.E2	05-APR-2011	13:00:55.961
EGOI_110405KSEP2910.E2	05-APR-2011	14:39:37.072
EGOI_110405KSEP2923.E2	05-APR-2011	16:17:13.668
EGOI_110405KSEP2951.E2	05-APR-2011	17:54:56.270
EGOI_110405KSEP2982.E2	05-APR-2011	19:33:31.369
EGOI_110405KSEP3004.E2	05-APR-2011	21:13:18.480
EGOI_110405KSEP3019.E2	05-APR-2011	22:56:35.614
EGOI_110405MAEP4832.E2	05-APR-2011	08:14:19.702
EGOI_110405MAEP4855.E2	05-APR-2011	21:05:27.430
EGOI_110405MAEP4870.E2	05-APR-2011	22:48:28.066
EGOI_110405MIEP7991.E2	05-APR-2011	02:37:55.147
EGOI_110405MIEP8015.E2	05-APR-2011	04:16:51.249
EGOI_110405MIEP8040.E2	05-APR-2011	14:57:14.674
EGOI_110405MIEP8070.E2	05-APR-2011	16:35:27.281
EGOI_110405MSEP2906.E2	05-APR-2011	00:59:06.542
EGOI_110405MSEP2921.E2	05-APR-2011	09:58:26.343
EGOI_110405MSEP2950.E2	05-APR-2011	11:34:56.937
EGOI_110405MSEP2974.E2	05-APR-2011	13:15:38.057
EGOI_110405MSEP3004.E2	05-APR-2011	22:43:07.032
EGOI_110405SGEP2555.E2	05-APR-2011	03:19:53.905
EGOI_110405SGEP2563.E2	05-APR-2011	05:01:32.022
EGOI_110405SGEP2568.E2	05-APR-2011	14:15:59.424
EGOI_110405SGEP2573.E2	05-APR-2011	15:53:24.023

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	83422	04-APR-2011	23:54:26.980	00:06:00.624	693.64400
HO	83423	05-APR-2011	01:24:35.966	01:36:51.814	735.84800
MM	83423	05-APR-2011	01:36:27.091	01:46:13.555	586.46400
BE	83424	05-APR-2011	02:41:53.107	02:55:09.469	796.36200
MM	83424	05-APR-2011	03:19:21.110	03:26:46.710	445.60000
BE	83425	05-APR-2011	04:21:57.055	04:32:55.761	658.70600
MM	83425	05-APR-2011	05:02:18.266	05:08:07.095	348.82900
MM	83426	05-APR-2011	06:44:04.232	06:50:46.740	402.50800

CM	83426	05-APR-2011	05:31:59.636	05:37:52.293	352.65700
JO	83426	05-APR-2011	06:26:57.001	06:34:15.822	438.82100
MM	83427	05-APR-2011	08:24:48.259	08:33:49.881	541.62200
JO	83427	05-APR-2011	08:01:32.547	08:16:28.825	896.27800
MM	83428	05-APR-2011	10:05:06.325	10:16:10.216	663.89100
MA	83428	05-APR-2011	09:24:32.321	09:38:05.186	812.86500
JO	83428	05-APR-2011	09:43:15.597	09:53:58.614	643.01700
HO	83429	05-APR-2011	11:54:36.307	12:07:41.223	784.91600
MM	83429	05-APR-2011	11:45:09.858	11:57:26.541	736.68300
MA	83429	05-APR-2011	11:04:58.451	11:14:41.948	583.49700
HO	83430	05-APR-2011	13:33:31.639	13:48:11.181	879.54200
MM	83430	05-APR-2011	13:24:59.728	13:37:42.483	762.75500
BE	83431	05-APR-2011	13:58:29.208	14:11:52.266	803.05800
HO	83431	05-APR-2011	15:14:42.020	15:22:49.046	487.02600
MM	83431	05-APR-2011	15:04:34.168	15:17:14.289	760.12100
GS	83431	05-APR-2011	14:26:08.555	14:36:54.931	646.37600
BE	83432	05-APR-2011	15:40:21.419	15:49:50.677	569.25800
MM	83432	05-APR-2011	16:43:52.464	16:56:24.641	752.17700
GS	83432	05-APR-2011	16:04:34.889	16:18:29.909	835.02000
MM	83433	05-APR-2011	18:23:00.785	18:35:35.198	754.41300
MI	83433	05-APR-2011	17:53:58.537	17:57:07.000	188.46300
GS	83433	05-APR-2011	17:44:53.903	17:55:20.339	626.43600
CM	83433	05-APR-2011	17:55:12.659	18:01:19.003	366.34400
MM	83434	05-APR-2011	20:02:15.793	20:14:58.767	762.97400
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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

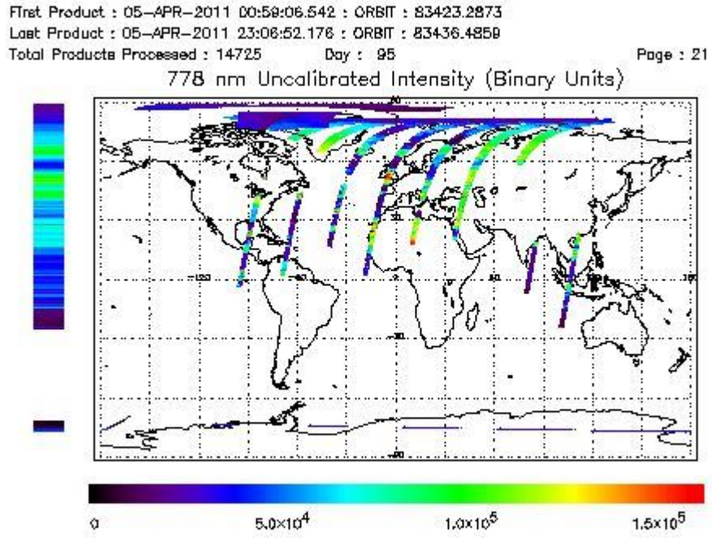
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK

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

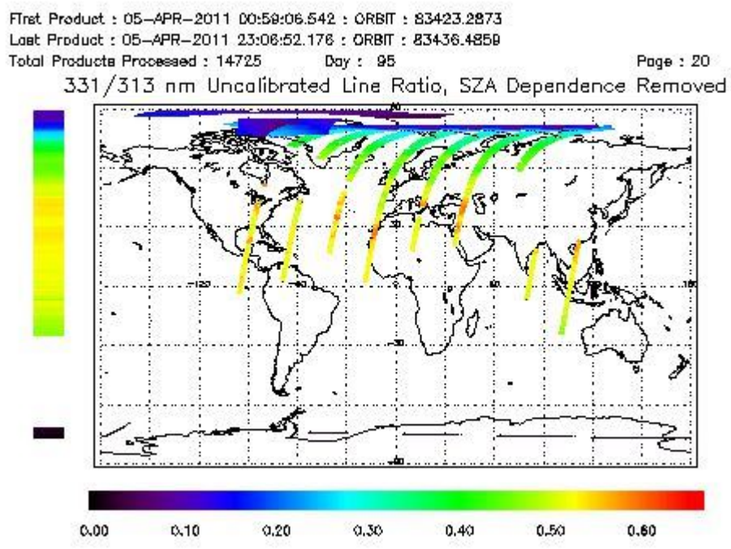
2.2 - Daily Plots

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

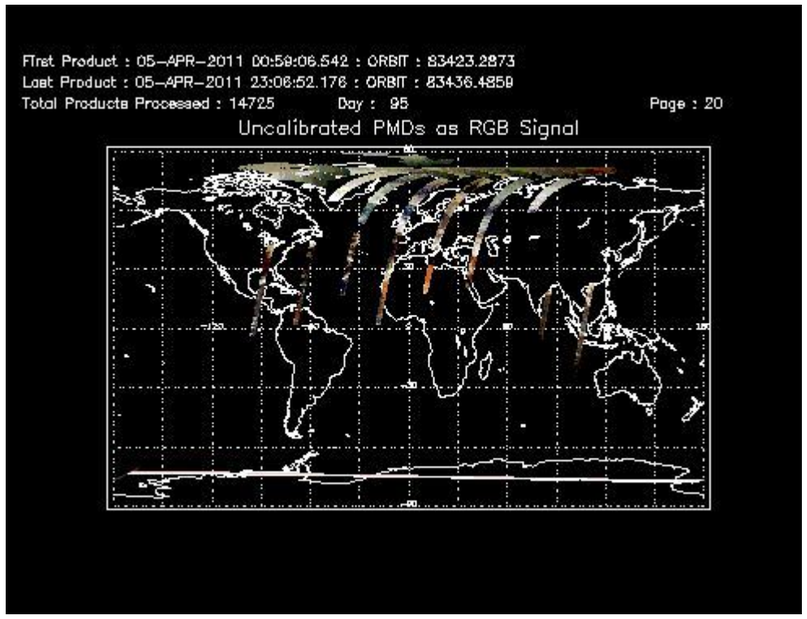
NEAR IR Intensity



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)
D	19:41:26.916	--	83434	Yes	--	15217

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
18:00	18:00	83419	83433

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