GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	14-OCT-2010
Start Time of First Product	00:22:54
Stop Time of Last Product	23:21:15
Number of EGOI Products analysed	43
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath performed as planned, start orbit: 80956; no solar calibration measurements available due to the execution of an ERS2 orbit manoeuvre

1.2 - List of received products

Name	Date	Time
EGOI_101014CMEP0833.E2	14-OCT-2010	02:55:10.206
EGOI_101014CMEP0841.E2	14-OCT-2010	04:30:10.790
EGOI_101014CMEP0848.E2	14-OCT-2010	15:14:11.826
EGOI_101014GSEP7075.E2	14-OCT-2010	01:17:20.103
EGOI_101014GSEP7107.E2	14-OCT-2010	02:54:23.699
EGOI_101014GSEP7131.E2	14-OCT-2010	04:36:30.325
EGOI_101014GSEP7138.E2	14-OCT-2010	06:18:32.454
EGOI_101014HLEP8104.E2	14-OCT-2010	00:22:54.267
EGOI_101014HLEP8116.E2	14-OCT-2010	10:57:02.665

EGOI_101014KSEP2056.E2	14-OCT-2010	06:36:08.561
EGOI_101014KSEP2074.E2	14-OCT-2010	08:16:07.678
EGOI_101014KSEP2093.E2	14-OCT-2010	09:55:44.289
EGOI_101014KSEP2114.E2	14-OCT-2010	11:35:20.900
EGOI_101014KSEP2143.E2	14-OCT-2010	13:14:24.511
EGOI_101014KSEP2154.E2	14-OCT-2010	14:53:10.204
EGOI_101014KSEP2181.E2	14-OCT-2010	16:30:48.300
EGOI_101014KSEP2211.E2	14-OCT-2010	18:08:45.903
EGOI_101014KSEP2242.E2	14-OCT-2010	19:47:03.008
EGOI_101014KSEP2268.E2	14-OCT-2010	21:27:36.630
EGOI_101014KSEP2293.E2	14-OCT-2010	23:10:29.757
EGOI_101014MAEP8334.E2	14-OCT-2010	08:24:25.723
EGOI_101014MAEP8345.E2	14-OCT-2010	10:03:11.336
EGOI_101014MAEP8362.E2	14-OCT-2010	21:19:56.077
EGOI_101014MIEP3342.E2	14-OCT-2010	02:50:41.679
EGOI_101014MIEP3366.E2	14-OCT-2010	04:30:36.290
EGOI_101014MIEP3392.E2	14-OCT-2010	15:10:50.806
EGOI_101014MIEP3414.E2	14-OCT-2010	16:50:00.421
EGOI_101014MMEP6658.E2	14-OCT-2010	05:40:53.221
EGOI_101014MMEP6667.E2	14-OCT-2010	07:22:26.843
EGOI_101014MMEP6675.E2	14-OCT-2010	09:06:12.484
EGOI_101014MMEP6679.E2	14-OCT-2010	12:23:39.198
EGOI_101014MMEP6690.E2	14-OCT-2010	15:42:52.502
EGOI_101014MMEP6697.E2	14-OCT-2010	17:23:02.121
EGOI_101014MMEP6705.E2	14-OCT-2010	19:01:58.233
EGOI_101014MMEP6712.E2	14-OCT-2010	22:21:11.452
EGOI_101014MSEP2869.E2	14-OCT-2010	10:11:00.887
EGOI_101014MSEP2899.E2	14-OCT-2010	11:48:14.979
EGOI_101014MSEP2921.E2	14-OCT-2010	13:29:51.605
EGOI_101014MSEP2932.E2	14-OCT-2010	21:22:08.091
EGOI_101014MSEP2964.E2	14-OCT-2010	22:57:02.676
EGOI_101014SGEP8657.E2	14-OCT-2010	01:57:41.354
EGOI_101014SGEP8664.E2	14-OCT-2010	03:32:37.438
EGOI_101014SGEP8670.E2	14-OCT-2010	14:28:53.552

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	80950	14-OCT-2010	06:34:30.566	06:36:08.560	97.994000
KS	80951	14-OCT-2010	08:13:45.941	08:16:07.677	141.73600
KS	80952	14-OCT-2010	09:53:23.291	09:55:44.288	140.99700
KS	80953	14-OCT-2010	11:32:55.075	11:35:20.899	145.82400
KS	80954	14-OCT-2010	13:12:03.587	13:14:24.511	140.92400

KS	80955	14-OCT-2010	14:50:43.085	14:53:10.203	147.11800
KS	80956	14-OCT-2010	16:28:22.199	16:30:48.299	146.10000
KS	80957	14-OCT-2010	18:06:09.647	18:08:45.902	156.25500
KS	80958	14-OCT-2010	19:45:04.253	19:47:03.008	118.75500
KS	80959	14-OCT-2010	21:25:44.116	21:27:36.629	112.51300
KS	80960	14-OCT-2010	23:08:51.588	23:10:29.757	98.169000
GS	80947	14-OCT-2010	01:15:32.133	01:17:20.102	107.96900
GS	80948	14-OCT-2010	02:52:43.378	02:54:23.698	100.32000
GS	80949	14-OCT-2010	04:34:45.471	04:36:30.325	104.85400
MS	80952	14-OCT-2010	10:08:38.764	10:11:00.886	142.12200
MS	80953	14-OCT-2010	11:45:49.138	11:48:14.979	145.84100
MS	80954	14-OCT-2010	13:27:40.107	13:29:51.604	131.49700
MS	80960	14-OCT-2010	22:55:06.207	22:57:02.676	116.46900
MA	80951	14-OCT-2010	08:22:51.462	08:24:25.722	94.260000
MA	80952	14-OCT-2010	10:01:25.953	10:03:11.335	105.38200
MA	80959	14-OCT-2010	21:17:25.250	21:19:56.077	150.82700
MI	80948	14-OCT-2010	02:48:26.577	02:50:41.678	135.10100
MI	80949	14-OCT-2010	04:28:21.465	04:30:36.290	134.82500
MI	80955	14-OCT-2010	15:08:40.690	15:10:50.805	130.11500
MI	80956	14-OCT-2010	16:47:48.008	16:50:00.420	132.41200
MM	80951	14-OCT-2010	09:02:05.576	09:06:12.484	246.90800
MM	80951	14-OCT-2010	09:10:21.507	09:11:57.476	95.969000
MM	80953	14-OCT-2010	12:22:16.343	12:23:39.197	82.854000
MM	80955	14-OCT-2010	15:41:29.021	15:42:52.502	83.481000
MM	80956	14-OCT-2010	17:20:42.348	17:23:02.121	139.77300
MM	80957	14-OCT-2010	18:59:50.656	19:01:58.232	127.57600
MM	80959	14-OCT-2010	22:19:16.022	22:21:11.451	115.42900
SG	80948	14-OCT-2010	03:29:44.375	03:32:37.438	173.06300
SG	80948	14-OCT-2010	03:39:38.980	03:43:37.317	238.33700
SG	80954	14-OCT-2010	14:26:40.287	14:28:53.552	133.26500
CM	80948	14-OCT-2010	02:49:38.512	02:55:10.206	331.69400
CM	80955	14-OCT-2010	15:13:06.926	15:14:11.826	64.900000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)

HO	80946	14-OCT-2010	00:20:34.117	00:35:12.187	878.07000
MM	80946	14-OCT-2010	00:32:12.609	00:43:12.275	659.66600
HO	80947	14-OCT-2010	02:04:47.918	02:12:07.012	439.09400
MM	80947	14-OCT-2010	02:14:35.581	02:23:31.307	535.72600
BE	80948	14-OCT-2010	03:18:46.593	03:32:04.958	798.36500
MM	80948	14-OCT-2010	03:57:39.547	04:04:17.113	397.56600
JO	80950	14-OCT-2010	07:00:55.358	07:13:02.433	727.07500
JO	80951	14-OCT-2010	08:38:30.066	08:53:16.636	886.57000
MM	80952	14-OCT-2010	10:42:17.746	10:53:54.783	697.03700
MA	80953	14-OCT-2010	11:42:55.033	11:49:28.174	393.14100
BE	80954	14-OCT-2010	12:57:21.426	13:08:49.662	688.23600
MM	80954	14-OCT-2010	14:02:00.712	14:14:44.608	763.89600
SG	80954	14-OCT-2010	14:26:40.287	14:37:56.737	676.45000
BE	80955	14-OCT-2010	14:35:34.171	14:48:41.334	787.16300
GS	80955	14-OCT-2010	15:02:22.590	15:15:18.994	776.40400
GS	80956	14-OCT-2010	16:41:39.061	16:54:59.869	800.80800
CM	80956	14-OCT-2010	16:50:15.382	17:02:18.646	723.26400
GS	80957	14-OCT-2010	18:22:50.798	18:29:51.195	420.39700
JO	80957	14-OCT-2010	19:20:59.702	19:31:36.533	636.83100
MM	80958	14-OCT-2010	20:39:14.059	20:51:58.045	763.98600
MA	80958	14-OCT-2010	19:38:48.828	19:50:55.074	726.24600
JO	80958	14-OCT-2010	20:58:26.593	21:13:23.465	896.87200
HO	80959	14-OCT-2010	22:12:38.583	22:23:50.149	671.56600
JO	80959	14-OCT-2010	22:40:35.776	22:48:04.251	448.47500
HO	80960	14-OCT-2010	23:49:30.006	00:03:57.671	867.66500

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1.5 - List of corrupted products

Station	Orbit	Time

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

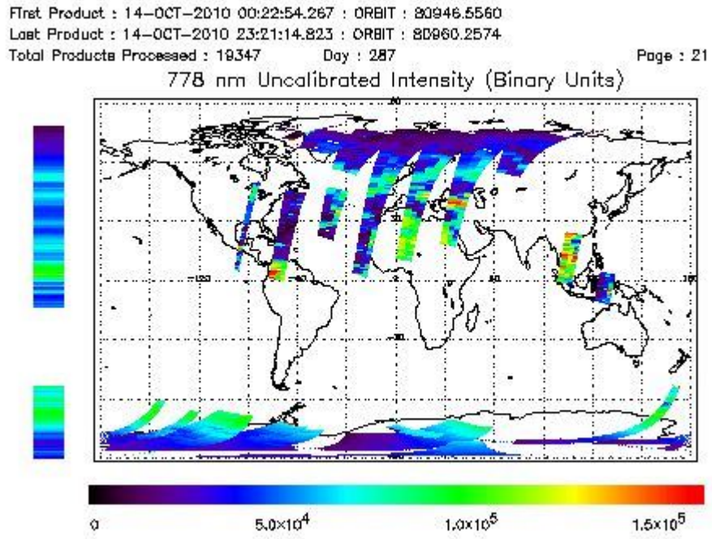
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK

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

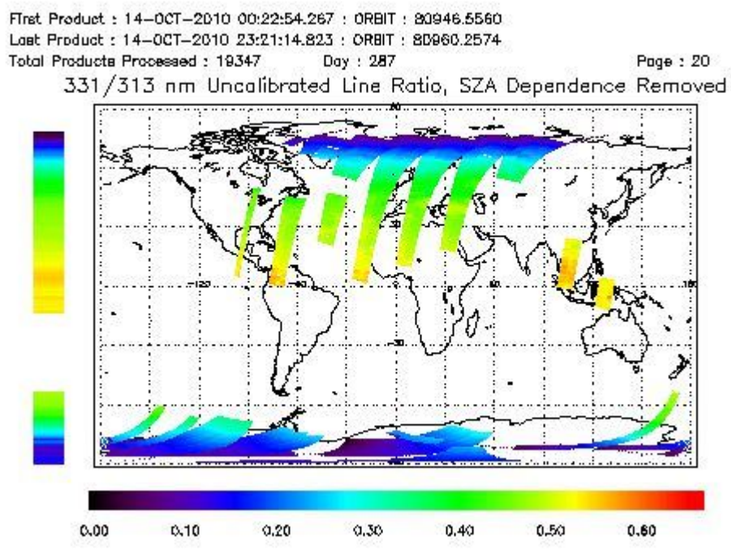
2.2 - Daily Plots

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

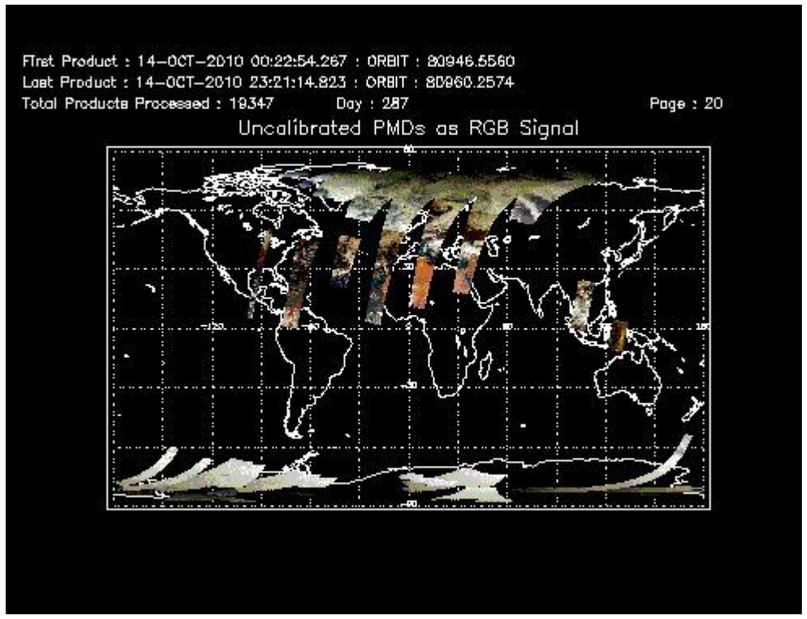
NEAR IR Intensity



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
--	--	--

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
16:30	--	80956	--

5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
--	--	80388	--

(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