GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	11-FEB-2010
Start Time of First Product	01:17:08
Stop Time of Last Product	23:21:04
Number of EGOI Products analysed	39
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100211BEEP1905.E2	11-FEB-2010	03:21:01.542
EGOI_100211CMEP6625.E2	11-FEB-2010	02:50:23.854
EGOI_100211CMEP6631.E2	11-FEB-2010	04:30:01.965
EGOI_100211CMEP6637.E2	11-FEB-2010	15:13:49.428
EGOI_100211CMEP6642.E2	11-FEB-2010	16:51:21.531
EGOI_100211GSEP9393.E2	11-FEB-2010	01:17:06.778
EGOI_100211GSEP9425.E2	11-FEB-2010	02:54:17.877
EGOI_100211GSEP9453.E2	11-FEB-2010	04:36:21.504
EGOI_100211GSEP9460.E2	11-FEB-2010	06:18:22.134

EGOI_100211KSEP3372.E2	11-FEB-2010	06:35:59.740
EGOI_100211KSEP3393.E2	11-FEB-2010	08:15:54.359
EGOI_100211KSEP3416.E2	11-FEB-2010	09:55:33.970
EGOI_100211KSEP3442.E2	11-FEB-2010	11:35:10.582
EGOI_100211KSEP3474.E2	11-FEB-2010	13:14:12.694
EGOI_100211KSEP3487.E2	11-FEB-2010	14:52:58.302
EGOI_100211KSEP3506.E2	11-FEB-2010	16:30:37.902
EGOI_100211KSEP3538.E2	11-FEB-2010	18:08:37.006
EGOI_100211KSEP3573.E2	11-FEB-2010	19:46:52.614
EGOI_100211KSEP3599.E2	11-FEB-2010	21:27:26.230
EGOI_100211KSEP3619.E2	11-FEB-2010	23:10:19.362
EGOI_100211MAEP8827.E2	11-FEB-2010	08:24:15.406
EGOI_100211MAEP8841.E2	11-FEB-2010	10:02:59.517
EGOI_100211MAEP8858.E2	11-FEB-2010	21:19:42.683
EGOI_100211MIEP2971.E2	11-FEB-2010	02:50:28.354
EGOI_100211MIEP2998.E2	11-FEB-2010	04:30:21.468
EGOI_100211MIEP3017.E2	11-FEB-2010	15:10:41.907
EGOI_100211MIEP3044.E2	11-FEB-2010	16:49:51.523
EGOI_100211MMEP3604.E2	11-FEB-2010	15:42:45.104
EGOI_100211MMEP3614.E2	11-FEB-2010	20:40:51.440
EGOI_100211MMEP3622.E2	11-FEB-2010	22:21:02.563
EGOI_100211MSEP4550.E2	11-FEB-2010	10:10:52.065
EGOI_100211MSEP4580.E2	11-FEB-2010	11:48:06.161
EGOI_100211MSEP4602.E2	11-FEB-2010	13:29:44.288
EGOI_100211MSEP4618.E2	11-FEB-2010	21:21:47.195
EGOI_100211MSEP4650.E2	11-FEB-2010	22:56:47.784
EGOI_100211SGEP3600.E2	11-FEB-2010	01:57:32.525
EGOI_100211SGEP3607.E2	11-FEB-2010	03:32:28.612
EGOI_100211SGEP3613.E2	11-FEB-2010	14:28:59.656
EGOI_100211SGEP3620.E2	11-FEB-2010	16:07:34.761

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77443	11-FEB-2010	06:34:30.565	06:35:59.740	89.175000
KS	77444	11-FEB-2010	08:13:45.940	08:15:54.359	128.41900
KS	77445	11-FEB-2010	09:53:23.290	09:55:33.970	130.68000
KS	77446	11-FEB-2010	11:32:55.074	11:35:10.581	135.50700
KS	77447	11-FEB-2010	13:12:03.586	13:14:12.693	129.10700
KS	77448	11-FEB-2010	14:50:43.084	14:52:58.302	135.21800
KS	77449	11-FEB-2010	16:28:22.198	16:30:37.902	135.70400
KS	77450	11-FEB-2010	18:06:09.646	18:08:37.005	147.35900

KS	77451	11-FEB-2010	19:45:04.252	19:46:52.613	108.36100
KS	77452	11-FEB-2010	21:25:44.115	21:27:26.229	102.11400
KS	77453	11-FEB-2010	23:08:51.587	23:10:19.362	87.775000
GS	77440	11-FEB-2010	01:15:32.132	01:17:06.777	94.645000
GS	77441	11-FEB-2010	02:52:43.377	02:54:17.876	94.499000
GS	77442	11-FEB-2010	04:34:45.470	04:36:21.503	96.033000
MS	77445	11-FEB-2010	10:08:38.763	10:10:52.064	133.30100
MS	77446	11-FEB-2010	11:45:49.137	11:48:06.161	137.02400
MS	77447	11-FEB-2010	13:27:40.106	13:29:44.288	124.18200
MS	77453	11-FEB-2010	22:55:06.207	22:56:47.783	101.57600
MA	77444	11-FEB-2010	08:22:51.461	08:24:15.406	83.945000
MA	77445	11-FEB-2010	10:01:25.952	10:02:59.517	93.565000
MA	77452	11-FEB-2010	21:17:25.249	21:19:42.682	137.43300
MI	77441	11-FEB-2010	02:48:26.576	02:50:28.353	121.77700
MI	77442	11-FEB-2010	04:28:21.464	04:30:21.467	120.00300
MI	77448	11-FEB-2010	15:08:40.689	15:10:41.906	121.21700
MI	77449	11-FEB-2010	16:47:48.007	16:49:51.522	123.51500
MM	77448	11-FEB-2010	15:41:29.020	15:42:45.104	76.084000
MM	77451	11-FEB-2010	20:39:14.058	20:40:51.440	97.382000
MM	77452	11-FEB-2010	22:19:16.021	22:21:02.563	106.54200
BE	77441	11-FEB-2010	03:18:46.592	03:21:01.541	134.94900
SG	77441	11-FEB-2010	03:29:44.374	03:32:28.611	164.23700
SG	77447	11-FEB-2010	14:26:40.286	14:28:59.656	139.37000
SG	77448	11-FEB-2010	16:04:56.854	16:07:34.761	157.90700
CM	77449	11-FEB-2010	16:50:15.381	16:51:21.530	66.149000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	77439	11-FEB-2010	00:20:34.116	00:35:12.186	878.07000
MM	77439	11-FEB-2010	00:32:12.608	00:43:12.274	659.66600
HO	77440	11-FEB-2010	02:04:47.917	02:12:07.011	439.09400
MM	77440	11-FEB-2010	02:14:35.580	02:23:31.306	535.72600
MM	77441	11-FEB-2010	03:57:39.546	04:04:17.112	397.56600
MM	77442	11-FEB-2010	05:40:16.327	05:46:06.539	350.21200
MM	77443	11-FEB-2010	07:21:33.827	07:29:05.276	451.44900

JO	77443	11-FEB-2010	07:00:55.357	07:13:02.432	727.07500
MM	77444	11-FEB-2010	09:02:05.575	09:11:57.475	591.90000
JO	77444	11-FEB-2010	08:38:30.065	08:53:16.635	886.57000
MM	77445	11-FEB-2010	10:42:17.745	10:53:54.782	697.03700
MM	77446	11-FEB-2010	12:22:16.342	12:34:47.429	751.08700
MA	77446	11-FEB-2010	11:42:55.032	11:49:28.173	393.14100
BE	77447	11-FEB-2010	12:57:21.425	13:08:49.661	688.23600
MM	77447	11-FEB-2010	14:02:00.711	14:14:44.607	763.89600
SG	77447	11-FEB-2010	14:26:40.286	14:37:56.736	676.45000
BE	77448	11-FEB-2010	14:35:34.170	14:48:41.333	787.16300
GS	77448	11-FEB-2010	15:02:22.589	15:15:18.993	776.40400
MM	77449	11-FEB-2010	17:20:42.347	17:33:13.903	751.55600
GS	77449	11-FEB-2010	16:41:39.060	16:54:59.868	800.80800
MM	77450	11-FEB-2010	18:59:50.655	19:12:28.355	757.70000
GS	77450	11-FEB-2010	18:22:50.797	18:29:51.194	420.39700
JO	77450	11-FEB-2010	19:20:59.701	19:31:36.532	636.83100
MA	77451	11-FEB-2010	19:38:48.827	19:50:55.073	726.24600
JO	77451	11-FEB-2010	20:58:26.592	21:13:23.464	896.87200
HO	77452	11-FEB-2010	22:12:38.582	22:23:50.148	671.56600
JO	77452	11-FEB-2010	22:40:35.775	22:48:04.250	448.47500
HO	77453	11-FEB-2010	23:49:30.005	00:03:57.670	867.66500

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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

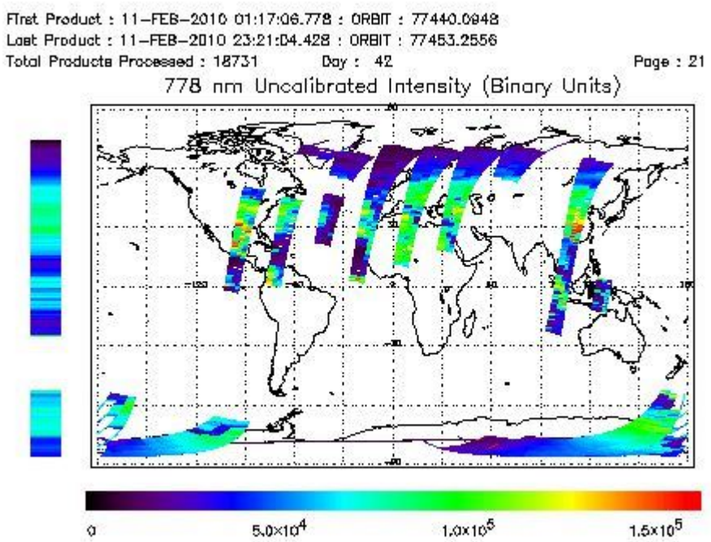
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK

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

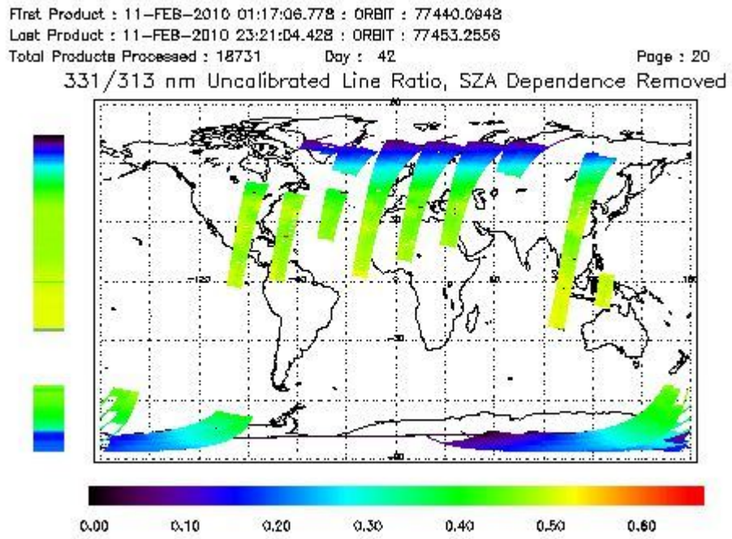
2.2 - Daily Plots

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

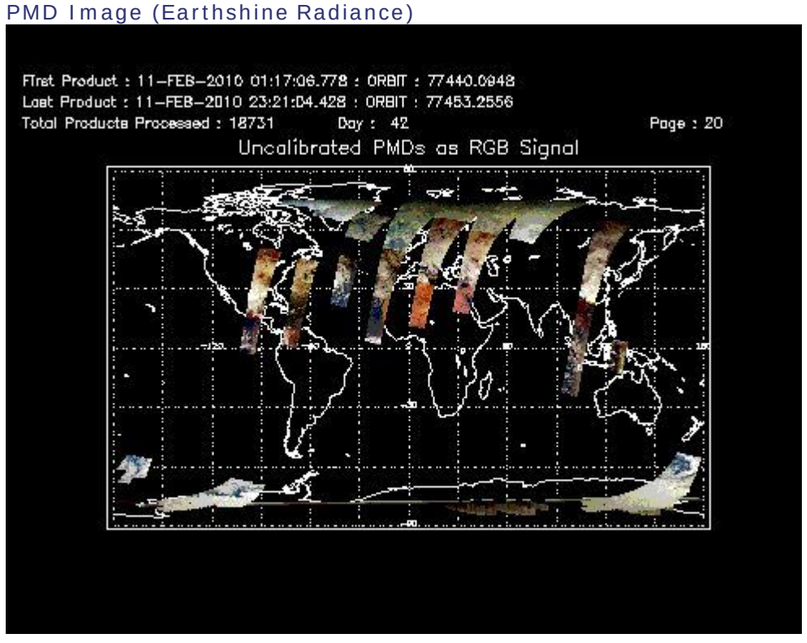
NEAR IR Intensity



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	13:19:14.221	--	77447	Yes	--	15505

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
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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