GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	12-FEB-2010
Start Time of First Product	00:01:30
Stop Time of Last Product	23:42:39
Number of EGOI Products analysed	46
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100212BEEP1911.E2	12-FEB-2010	02:49:46.211
EGOI_100212BEEP1917.E2	12-FEB-2010	04:30:34.838
EGOI_100212CMEP6649.E2	12-FEB-2010	03:58:57.138
EGOI_100212CMEP6655.E2	12-FEB-2010	05:38:42.757
EGOI_100212CMEP6660.E2	12-FEB-2010	16:20:01.699
EGOI_100212CMEP6666.E2	12-FEB-2010	18:01:45.827
EGOI_100212GSEP9490.E2	12-FEB-2010	02:23:16.050
EGOI_100212GSEP9520.E2	12-FEB-2010	04:03:40.669
EGOI_100212GSEP9527.E2	12-FEB-2010	05:46:09.802

EGOI_100212HLEP4989.E2	12-FEB-2010	13:41:24.727
EGOI_100212HLEP4998.E2	12-FEB-2010	15:22:31.347
EGOI_100212KSEP3650.E2	12-FEB-2010	07:44:15.031
EGOI_100212KSEP3675.E2	12-FEB-2010	09:24:14.139
EGOI_100212KSEP3709.E2	12-FEB-2010	11:03:50.754
EGOI_100212KSEP3736.E2	12-FEB-2010	12:43:09.370
EGOI_100212KSEP3749.E2	12-FEB-2010	14:22:02.478
EGOI_100212KSEP3779.E2	12-FEB-2010	15:59:48.078
EGOI_100212KSEP3810.E2	12-FEB-2010	17:37:45.682
EGOI_100212KSEP3843.E2	12-FEB-2010	19:15:35.782
EGOI_100212KSEP3878.E2	12-FEB-2010	20:55:33.402
EGOI_100212KSEP3909.E2	12-FEB-2010	22:37:41.526
EGOI_100212MAEP8872.E2	12-FEB-2010	09:32:00.694
EGOI_100212MAEP8890.E2	12-FEB-2010	11:11:34.305
EGOI_100212MIEP3068.E2	12-FEB-2010	02:20:31.035
EGOI_100212MIEP3094.E2	12-FEB-2010	03:58:57.138
EGOI_100212MIEP3114.E2	12-FEB-2010	14:40:49.087
EGOI_100212MIEP3142.E2	12-FEB-2010	16:18:15.188
EGOI_100212MIEP3156.E2	12-FEB-2010	18:02:21.831
EGOI_100212MMEP3629.E2	12-FEB-2010	00:01:30.176
EGOI_100212MMEP3637.E2	12-FEB-2010	01:43:21.808
EGOI_100212MMEP3649.E2	12-FEB-2010	08:31:31.816
EGOI_100212MMEP3657.E2	12-FEB-2010	10:12:02.433
EGOI_100212MMEP3664.E2	12-FEB-2010	11:52:25.553
EGOI_100212MMEP3673.E2	12-FEB-2010	13:31:56.164
EGOI_100212MMEP3680.E2	12-FEB-2010	16:51:39.396
EGOI_100212MMEP3688.E2	12-FEB-2010	18:30:52.007
EGOI_100212MMEP3697.E2	12-FEB-2010	21:50:05.232
EGOI_100212MMEP3704.E2	12-FEB-2010	23:29:58.351
EGOI_100212MSEP4674.E2	12-FEB-2010	00:38:43.907
EGOI_100212MSEP4693.E2	12-FEB-2010	11:16:59.833
EGOI_100212MSEP4718.E2	12-FEB-2010	12:57:09.452
EGOI_100212MSEP4752.E2	12-FEB-2010	22:26:06.955
EGOI_100212SGEP3628.E2	12-FEB-2010	03:00:56.785
EGOI_100212SGEP3636.E2	12-FEB-2010	04:41:22.896
EGOI_100212SGEP3643.E2	12-FEB-2010	13:59:35.337
EGOI_100212SGEP3650.E2	12-FEB-2010	15:35:31.429

[BACK TO MENU]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77458	12-FEB-2010	07:42:29.490	07:44:15.030	105.54000
KS	77459	12-FEB-2010	09:22:04.466	09:24:14.138	129.67200
KS	77460	12-FEB-2010	11:01:39.854	11:03:50.753	130.89900

KS	77461	12-FEB-2010	12:40:57.755	12:43:09.370	131.61500
KS	77462	12-FEB-2010	14:19:47.673	14:22:02.478	134.80500
KS	77463	12-FEB-2010	15:57:35.729	15:59:48.077	132.34800
KS	77464	12-FEB-2010	17:35:30.571	17:37:45.682	135.11100
KS	77465	12-FEB-2010	19:13:49.513	19:15:35.782	106.26900
KS	77466	12-FEB-2010	20:53:52.294	20:55:33.401	101.10700
KS	77467	12-FEB-2010	22:36:07.242	22:37:41.526	94.284000
GS	77456	12-FEB-2010	04:02:00.565	04:03:40.669	100.10400
MS	77454	12-FEB-2010	00:37:08.885	00:38:43.906	95.021000
MS	77460	12-FEB-2010	11:14:42.142	11:16:59.832	137.69000
MS	77461	12-FEB-2010	12:54:54.481	12:57:09.452	134.97100
MS	77467	12-FEB-2010	22:24:27.713	22:26:06.955	99.242000
MA	77459	12-FEB-2010	09:30:11.488	09:32:00.693	109.20500
MI	77455	12-FEB-2010	02:18:31.826	02:20:31.035	119.20900
MI	77456	12-FEB-2010	03:56:11.599	03:58:57.138	165.53900
MI	77462	12-FEB-2010	14:38:51.735	14:40:49.087	117.35200
MI	77463	12-FEB-2010	16:16:10.092	16:18:15.187	125.09500
MM	77453	12-FEB-2010	00:00:14.941	00:01:30.176	75.235000
MM	77454	12-FEB-2010	01:42:18.688	01:43:21.808	63.120000
MM	77459	12-FEB-2010	10:10:49.738	10:12:02.433	72.695000
MM	77460	12-FEB-2010	11:50:52.515	11:52:25.552	93.037000
MM	77461	12-FEB-2010	13:30:41.560	13:31:56.164	74.604000
MM	77463	12-FEB-2010	16:49:32.525	16:51:39.395	126.87000
MM	77464	12-FEB-2010	18:28:40.681	18:30:52.007	131.32600
MM	77466	12-FEB-2010	21:47:44.266	21:50:05.231	140.96500
MM	77467	12-FEB-2010	23:28:23.817	23:29:58.351	94.534000
BE	77455	12-FEB-2010	02:47:32.341	02:49:46.210	133.86900
BE	77456	12-FEB-2010	04:27:45.141	04:30:34.838	169.69700
SG	77455	12-FEB-2010	02:58:50.906	03:00:56.784	125.87800
SG	77456	12-FEB-2010	04:39:30.711	04:41:22.895	112.18400
SG	77462	12-FEB-2010	15:33:19.211	15:35:31.428	132.21700
SG	77462	12-FEB-2010	15:42:13.467	15:47:10.332	296.86500
CM	77463	12-FEB-2010	16:18:56.553	16:20:01.698	65.145000

[BACK TO MENU]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	77453	11-FEB-2010	23:49:30.005	00:03:57.670	867.66500
HO	77454	12-FEB-2010	01:30:34.562	01:42:23.041	708.47900
GS	77454	12-FEB-2010	00:46:04.002	00:54:31.450	507.44800
MM	77455	12-FEB-2010	03:25:14.752	03:32:32.466	437.71400
CM	77455	12-FEB-2010	03:54:59.374	04:07:20.821	741.44700
MM	77456	12-FEB-2010	05:08:09.538	05:13:56.965	347.42700
MM	77457	12-FEB-2010	06:49:50.804	06:56:40.285	409.48100
KS	77457	12-FEB-2010	06:03:42.192	06:09:09.293	327.10100
JO	77457	12-FEB-2010	06:31:59.941	06:40:22.495	502.55400
MA	77458	12-FEB-2010	07:52:55.987	07:59:48.143	412.15600
JO	77458	12-FEB-2010	08:07:10.616	08:22:10.392	899.77600
JO	77459	12-FEB-2010	09:49:22.539	09:59:18.317	595.77800
HO	77460	12-FEB-2010	12:00:13.468	12:13:34.691	801.22300
HO	77461	12-FEB-2010	13:39:14.260	13:53:43.825	869.56500
BE	77462	12-FEB-2010	14:04:08.722	14:17:33.419	804.69700
HO	77462	12-FEB-2010	15:20:34.187	15:28:10.323	456.13600
MM	77462	12-FEB-2010	15:10:15.061	15:22:54.659	759.59800
GS	77462	12-FEB-2010	14:31:40.462	14:42:40.359	659.89700
BE	77463	12-FEB-2010	15:46:27.011	15:55:15.534	528.52300
GS	77463	12-FEB-2010	16:10:16.276	16:24:09.136	832.86000
GS	77464	12-FEB-2010	17:50:41.613	18:00:43.194	601.58100
MM	77465	12-FEB-2010	20:07:56.760	20:20:40.041	763.28100
MA	77465	12-FEB-2010	19:11:09.645	19:18:51.432	461.78700
JO	77465	12-FEB-2010	20:27:16.996	20:42:09.369	892.37300
MA	77466	12-FEB-2010	20:45:44.016	20:59:26.700	822.68400
JO	77466	12-FEB-2010	22:07:43.402	22:19:24.480	701.07800
HO	77467	12-FEB-2010	23:18:30.916	23:32:38.470	847.55400
MA	77467	12-FEB-2010	22:29:42.315	22:37:10.417	448.10200

[BACK TO MENU]

1.5 - List of corrupted products

Station	Orbit	Time

2 - Instrument Indicators and Daily Plots

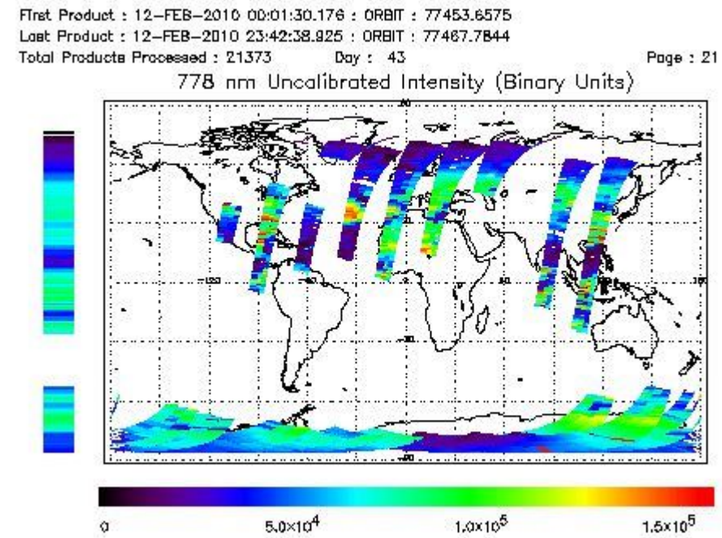
2.1 - Instrument Indicators Status

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

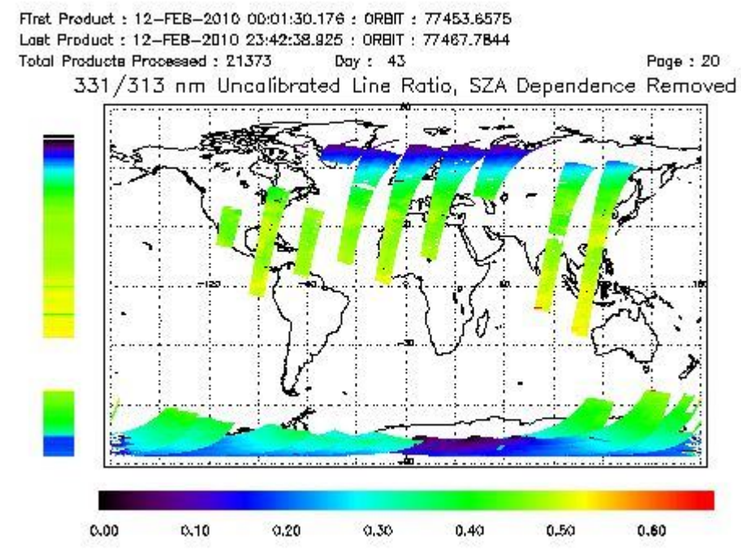
2.2 - Daily Plots

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

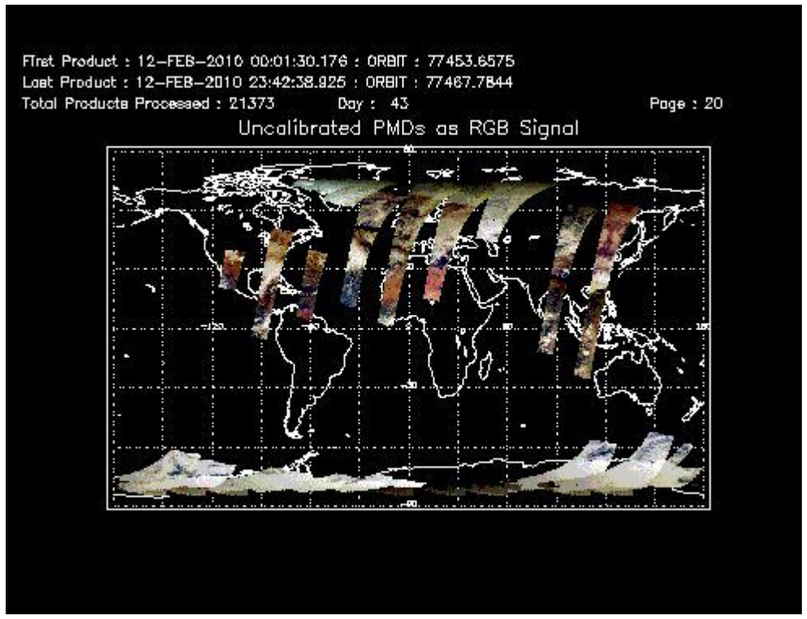
NEAR IR Intensity



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)
D	12:47:28.889	--	77461	Yes	--	15605

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)

[BACK TO MENU]

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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[BACK TO MENU]

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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[BACK TO MENU]

(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