GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	12-JAN-2011
Start Time of First Product	23:54:55 (11-Jan)
Stop Time of Last Product	22:53:02
Number of EGOI Products analysed	23
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_110112GSEP3341.E2	12-JAN-2011	02:26:24.711
EGOI_110112GSEP3371.E2	12-JAN-2011	04:07:01.330
EGOI_110112GSEP3378.E2	12-JAN-2011	05:49:30.468
EGOI_110112HLEP9056.E2	11-JAN-2011	23:54:55.269
EGOI_110112KSEP4649.E2	12-JAN-2011	07:47:28.196
EGOI_110112KSEP4671.E2	12-JAN-2011	09:27:28.812
EGOI_110112KSEP4702.E2	12-JAN-2011	11:07:05.433
EGOI_110112KSEP4728.E2	12-JAN-2011	12:46:22.548
EGOI_110112KSEP4748.E2	12-JAN-2011	14:25:14.157

EGOI_110112KSEP4764.E2	12-JAN-2011	16:02:59.765
EGOI_110112KSEP4791.E2	12-JAN-2011	17:40:57.370
EGOI_110112KSEP4823.E2	12-JAN-2011	19:18:48.981
EGOI_110112KSEP4854.E2	12-JAN-2011	20:58:49.593
EGOI_110112KSEP4873.E2	12-JAN-2011	22:41:12.729
EGOI_110112MAEP1834.E2	12-JAN-2011	09:35:10.854
EGOI_110112MIEP9929.E2	12-JAN-2011	02:23:39.695
EGOI_110112MIEP9954.E2	12-JAN-2011	14:43:51.770
EGOI_110112MIEP9982.E2	12-JAN-2011	16:21:31.383
EGOI_110112MSEP3296.E2	12-JAN-2011	00:42:01.564
EGOI_110112MSEP3312.E2	12-JAN-2011	11:20:13.011
EGOI_110112MSEP3336.E2	12-JAN-2011	13:00:27.130
EGOI_110112MSEP3362.E2	12-JAN-2011	22:29:21.658
EGOI_110112SGEP0807.E2	12-JAN-2011	04:44:34.561

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82239	12-JAN-2011	07:45:19.978	07:47:28.195	128.21700
KS	82240	12-JAN-2011	09:24:55.281	09:27:28.812	153.53100
KS	82241	12-JAN-2011	11:04:30.408	11:07:05.432	155.02400
KS	82242	12-JAN-2011	12:43:47.538	12:46:22.548	155.01000
KS	82243	12-JAN-2011	14:22:36.519	14:25:14.156	157.63700
KS	82244	12-JAN-2011	16:00:23.188	16:02:59.764	156.57600
KS	82245	12-JAN-2011	17:38:18.198	17:40:57.369	159.17100
KS	82246	12-JAN-2011	19:16:39.545	19:18:48.980	129.43500
KS	82247	12-JAN-2011	20:56:45.546	20:58:49.593	124.04700
KS	82248	12-JAN-2011	22:39:04.973	22:41:12.729	127.75600
GS	82237	12-JAN-2011	04:04:57.219	04:07:01.329	124.11000
MS	82235	12-JAN-2011	00:40:14.141	00:42:01.563	107.42200
MS	82241	12-JAN-2011	11:17:31.030	11:20:13.010	161.98000
MS	82242	12-JAN-2011	12:57:51.169	13:00:27.129	155.96000
MS	82248	12-JAN-2011	22:27:13.255	22:29:21.658	128.40300
MA	82240	12-JAN-2011	09:33:01.275	09:35:10.853	129.57800
MI	82236	12-JAN-2011	02:21:12.586	02:23:39.695	147.10900
MI	82243	12-JAN-2011	14:41:30.803	14:43:51.770	140.96700
MI	82244	12-JAN-2011	16:19:01.549	16:21:31.383	149.83400
SG	82237	12-JAN-2011	04:42:31.563	04:44:34.561	122.99800

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	82234	11-JAN-2011	23:52:19.126	00:06:48.355	869.22900
MM	82234	12-JAN-2011	00:03:09.004	00:14:35.455	686.45100
HO	82235	12-JAN-2011	01:33:31.005	01:45:08.441	697.43600
MM	82235	12-JAN-2011	01:45:14.555	01:54:49.707	575.15200
GS	82235	12-JAN-2011	00:48:42.894	00:57:26.791	523.89700
BE	82236	12-JAN-2011	02:50:22.148	03:03:44.530	802.38200
MM	82236	12-JAN-2011	03:28:11.580	03:35:25.401	433.82100
SG	82236	12-JAN-2011	03:01:37.770	03:15:05.082	807.31200
CM	82236	12-JAN-2011	03:57:48.330	04:10:11.653	743.32300
BE	82237	12-JAN-2011	04:30:39.497	04:41:02.457	622.96000
MM	82237	12-JAN-2011	05:11:05.071	05:16:52.014	346.94300
MI	82237	12-JAN-2011	03:59:05.034	04:11:57.533	772.49900
MM	82238	12-JAN-2011	06:52:44.022	06:59:37.082	413.06000
KS	82238	12-JAN-2011	06:06:28.815	06:12:13.970	345.15500
CM	82238	12-JAN-2011	05:42:08.655	05:44:49.525	160.87000
JO	82238	12-JAN-2011	06:34:33.509	06:43:24.015	530.50600
MM	82239	12-JAN-2011	08:33:24.820	08:42:38.423	553.60300
MA	82239	12-JAN-2011	07:55:59.131	08:01:45.736	346.60500
JO	82239	12-JAN-2011	08:10:00.072	08:25:00.927	900.85500
MM	82240	12-JAN-2011	10:13:41.432	10:24:53.619	672.18700
JO	82240	12-JAN-2011	09:52:27.585	10:01:56.749	569.16400
HO	82241	12-JAN-2011	12:03:02.251	12:16:30.725	808.47400
MM	82241	12-JAN-2011	11:53:43.829	12:06:04.396	740.56700
MA	82241	12-JAN-2011	11:13:43.567	11:22:45.826	542.25900
HO	82242	12-JAN-2011	13:42:05.676	13:56:32.610	866.93400
MM	82242	12-JAN-2011	13:33:32.458	13:46:15.790	763.33200
SG	82242	12-JAN-2011	14:00:35.362	14:07:31.788	416.42600
BE	82243	12-JAN-2011	14:06:58.852	14:20:23.830	804.97800
HO	82243	12-JAN-2011	15:23:29.994	15:30:49.089	439.09500
MM	82243	12-JAN-2011	15:13:05.488	15:25:44.820	759.33200
GS	82243	12-JAN-2011	14:34:26.851	14:45:24.785	657.93400
SG	82243	12-JAN-2011	15:36:10.104	15:49:59.333	829.22900
BE	82244	12-JAN-2011	15:49:31.146	15:57:56.863	505.71700

MM	82244	12-JAN-2011	16:52:22.545	17:04:54.424	751.87900
GS	82244	12-JAN-2011	16:13:07.082	16:26:58.435	831.35300
CM	82244	12-JAN-2011	16:21:46.011	16:34:10.546	744.53500
MM	82245	12-JAN-2011	18:31:30.641	18:44:05.746	755.10500
GS	82245	12-JAN-2011	17:53:35.726	18:03:24.140	588.41400
CM	82245	12-JAN-2011	18:04:52.837	18:08:28.102	215.26500
MM	82246	12-JAN-2011	20:10:47.284	20:23:30.702	763.41800
MA	82246	12-JAN-2011	19:13:16.671	19:21:17.612	480.94100
JO	82246	12-JAN-2011	20:30:06.071	20:45:01.158	895.08700
HO	82247	12-JAN-2011	21:46:15.820	21:54:40.216	504.39600
MM	82247	12-JAN-2011	21:50:36.022	22:03:12.120	756.09800
MA	82247	12-JAN-2011	20:48:34.176	21:02:17.068	822.89200
JO	82247	12-JAN-2011	22:10:39.808	22:22:04.567	684.75900
HO	82248	12-JAN-2011	23:21:18.969	23:35:29.599	850.63000
MM	82248	12-JAN-2011	23:31:17.289	23:43:08.219	710.93000
MA	82248	12-JAN-2011	22:32:49.837	22:39:50.151	420.31400

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1.5 - List of corrupted products

Station	Orbit	Time

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

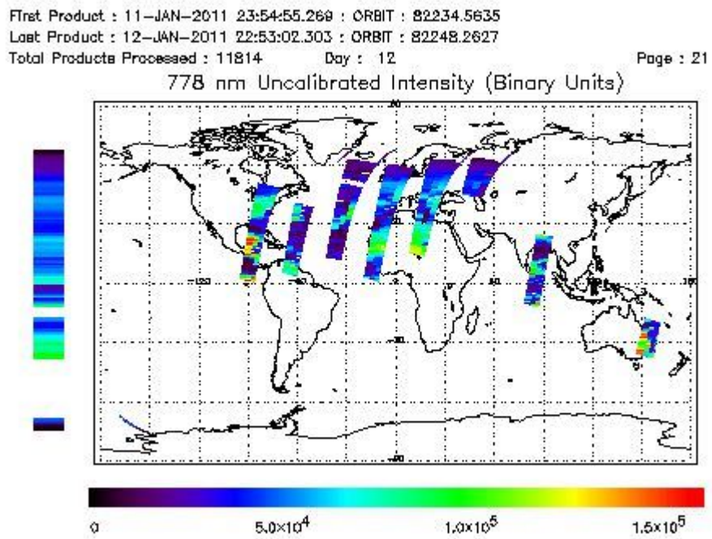
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

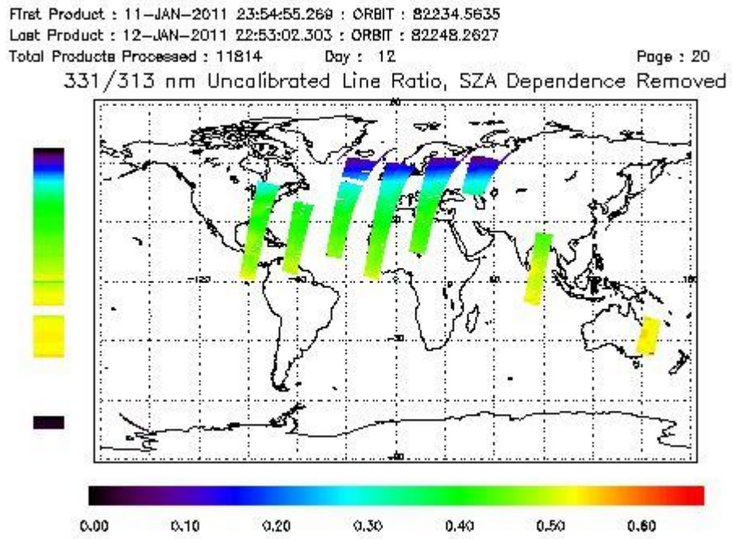
2.2 - Daily Plots

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

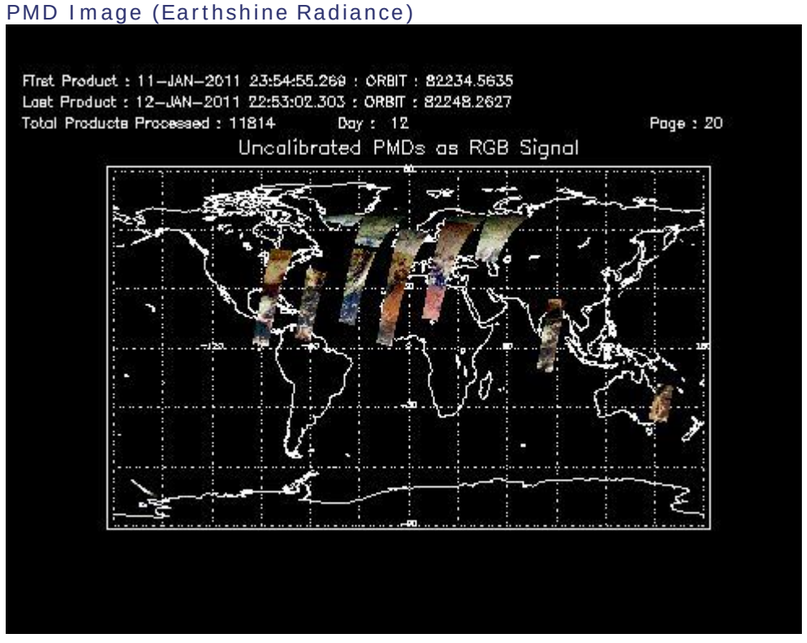
NEAR IR Intensity



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)
D	11:12:42.963	--	82241	Yes	--	15804

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