GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	25-JAN-2010
Start Time of First Product	00:03:11
Stop Time of Last Product	23:44:55
Number of EGOI Products analysed	31
Number of corrupted products	2
Anomalies and/or Special Operations	Narrow Swath continued from previous day, stop orbit: 77203

1.2 - List of received products

Name	Date	Time
EGOI_100125BEEP1753.E2	25-JAN-2010	02:16:13.041
EGOI_100125BEEP1758.E2	25-JAN-2010	03:55:28.648
EGOI_100125GSEP8152.E2	25-JAN-2010	01:50:06.881
EGOI_100125GSEP8180.E2	25-JAN-2010	03:28:44.984
EGOI_100125GSEP8188.E2	25-JAN-2010	05:11:44.122
EGOI_100125KSEP8813.E2	25-JAN-2010	07:10:11.855
EGOI_100125KSEP8829.E2	25-JAN-2010	08:50:10.975
EGOI_100125KSEP8854.E2	25-JAN-2010	10:29:50.585
EGOI_100125KSEP8884.E2	25-JAN-2010	12:09:16.702

EGOI_100125KSEP8900.E2	25-JAN-2010	13:48:14.313
EGOI_100125KSEP8928.E2	25-JAN-2010	15:26:44.926
EGOI_100125KSEP8945.E2	25-JAN-2010	17:04:09.521
EGOI_100125KSEP8979.E2	25-JAN-2010	18:42:10.134
EGOI_100125KSEP9014.E2	25-JAN-2010	20:21:10.739
EGOI_100125KSEP9045.E2	25-JAN-2010	22:02:38.370
EGOI_100125MAEP8207.E2	25-JAN-2010	08:57:54.518
EGOI_100125MAEP8218.E2	25-JAN-2010	10:37:20.636
EGOI_100125MIEP1321.E2	25-JAN-2010	01:49:27.877
EGOI_100125MIEP1341.E2	25-JAN-2010	03:24:05.956
EGOI_100125MIEP1363.E2	25-JAN-2010	05:06:56.091
EGOI_100125MIEP1373.E2	25-JAN-2010	15:44:15.027
EGOI_100125MIEP1396.E2	25-JAN-2010	17:25:09.651
EGOI_100125MSEP2641.E2	25-JAN-2010	00:03:10.721
EGOI_100125MSEP2659.E2	25-JAN-2010	10:43:46.173
EGOI_100125MSEP2687.E2	25-JAN-2010	12:22:36.280
EGOI_100125MSEP2716.E2	25-JAN-2010	21:53:24.815
EGOI_100125MSEP2747.E2	25-JAN-2010	23:31:25.416
EGOI_100125SGEP3192.E2	25-JAN-2010	02:27:55.108
EGOI_100125SGEP3198.E2	25-JAN-2010	04:06:15.219
EGOI_100125SGEP3205.E2	25-JAN-2010	15:01:35.768
EGOI_100125SGEP3212.E2	25-JAN-2010	16:43:04.892

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77200	25-JAN-2010	07:08:26.111	07:10:11.854	105.74300
KS	77201	25-JAN-2010	08:47:54.812	08:50:10.975	136.16300
KS	77202	25-JAN-2010	10:27:32.242	10:29:50.585	138.34300
KS	77203	25-JAN-2010	12:06:58.165	12:09:16.701	138.53600
KS	77204	25-JAN-2010	13:45:54.168	13:48:14.313	140.14500
KS	77205	25-JAN-2010	15:24:04.924	15:26:44.926	160.00200
KS	77206	25-JAN-2010	17:01:47.064	17:04:09.520	142.45600
KS	77207	25-JAN-2010	18:39:54.882	18:42:10.134	135.25200
KS	77208	25-JAN-2010	20:19:21.350	20:21:10.739	109.38900
KS	77209	25-JAN-2010	22:00:46.053	22:02:38.369	112.31600
KS	77210	25-JAN-2010	23:45:03.261	23:46:31.510	88.249000
GS	77197	25-JAN-2010	01:48:20.583	01:50:06.881	106.29800
GS	77198	25-JAN-2010	03:27:03.982	03:28:44.984	101.00200
MS	77196	25-JAN-2010	00:01:10.535	00:03:10.720	120.18500
MS	77202	25-JAN-2010	10:41:22.006	10:43:46.173	144.16700

MS	77203	25-JAN-2010	12:20:09.511	12:22:36.280	146.76900
MS	77209	25-JAN-2010	21:51:51.565	21:53:24.815	93.250000
MS	77210	25-JAN-2010	23:29:13.236	23:31:25.416	132.18000
MA	77201	25-JAN-2010	08:56:50.467	08:57:54.518	64.051000
MA	77202	25-JAN-2010	10:35:32.499	10:37:20.636	108.13700
MI	77197	25-JAN-2010	01:47:35.462	01:49:27.876	112.41400
MI	77198	25-JAN-2010	03:21:56.219	03:24:05.955	129.73600
MI	77199	25-JAN-2010	05:04:57.306	05:06:56.091	118.78500
MI	77205	25-JAN-2010	15:42:08.472	15:44:15.027	126.55500
MI	77206	25-JAN-2010	17:22:58.624	17:25:09.651	131.02700
BE	77197	25-JAN-2010	02:13:45.562	02:16:13.040	147.47800
BE	77198	25-JAN-2010	03:53:06.528	03:55:28.647	142.11900
SG	77197	25-JAN-2010	02:26:01.546	02:27:55.107	113.56100
SG	77198	25-JAN-2010	04:04:09.139	04:06:15.219	126.08000
SG	77204	25-JAN-2010	14:59:32.892	15:01:35.768	122.87600
SG	77205	25-JAN-2010	16:40:25.428	16:43:04.892	159.46400

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	77196	25-JAN-2010	01:07:11.987	01:17:34.000	622.01300
KS	77196	25-JAN-2010	00:19:08.033	00:22:13.761	185.72800
MM	77197	25-JAN-2010	02:49:53.562	02:57:59.922	486.36000
MM	77198	25-JAN-2010	04:32:58.069	04:39:02.176	364.10700
CM	77198	25-JAN-2010	03:21:41.265	03:32:48.807	667.54200
CM	77198	25-JAN-2010	05:01:21.801	05:11:32.943	611.14200
MM	77199	25-JAN-2010	06:15:08.125	06:21:20.437	372.31200
MM	77200	25-JAN-2010	07:56:05.053	08:04:25.747	500.69400
JO	77200	25-JAN-2010	07:33:39.414	07:47:50.737	851.32300
MM	77201	25-JAN-2010	09:36:28.552	09:47:02.066	633.51400
JO	77201	25-JAN-2010	09:13:23.085	09:26:43.722	800.63700
HO	77202	25-JAN-2010	11:26:47.398	11:38:07.306	679.90800
MM	77202	25-JAN-2010	11:16:35.911	11:28:37.069	721.15800
HO	77203	25-JAN-2010	13:05:03.805	13:19:53.129	889.32400
MM	77203	25-JAN-2010	12:56:29.820	13:09:09.026	759.20600
HO	77204	25-JAN-2010	14:45:30.910	14:55:43.006	612.09600

MM	77204	25-JAN-2010	14:36:08.868	14:48:51.297	762.42900
GS	77204	25-JAN-2010	13:58:56.399	14:06:24.180	447.78100
BE	77205	25-JAN-2010	15:10:30.469	15:22:18.338	707.86900
MM	77205	25-JAN-2010	16:15:31.580	16:28:05.352	753.77200
GS	77205	25-JAN-2010	15:36:12.639	15:50:00.828	828.18900
CM	77205	25-JAN-2010	15:45:26.864	15:56:41.136	674.27200
MM	77206	25-JAN-2010	17:54:41.503	18:07:14.065	752.56200
GS	77206	25-JAN-2010	17:16:03.275	17:28:09.122	725.84700
CM	77206	25-JAN-2010	17:25:06.591	17:35:11.537	604.94600
MM	77207	25-JAN-2010	19:33:52.335	19:46:33.214	760.87900
JO	77207	25-JAN-2010	19:53:44.886	20:07:23.395	818.50900
MM	77208	25-JAN-2010	21:13:26.444	21:26:08.606	762.16200
MA	77208	25-JAN-2010	20:11:59.714	20:25:42.263	822.54900
JO	77208	25-JAN-2010	21:32:49.874	21:46:48.568	838.69400
HO	77209	25-JAN-2010	22:45:17.833	22:58:18.155	780.32200
MM	77209	25-JAN-2010	22:53:46.266	23:05:59.508	733.24200
MA	77209	25-JAN-2010	21:52:54.122	22:04:22.031	687.90900

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1.5 - List of corrupted products

Station	Orbit	Time
MI	77197	01:49:30.876
MA	77201	08:58:11.02

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2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

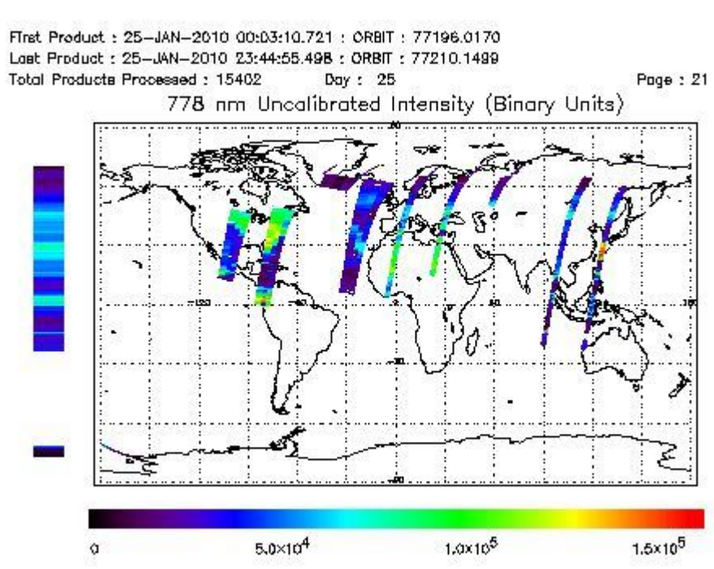
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

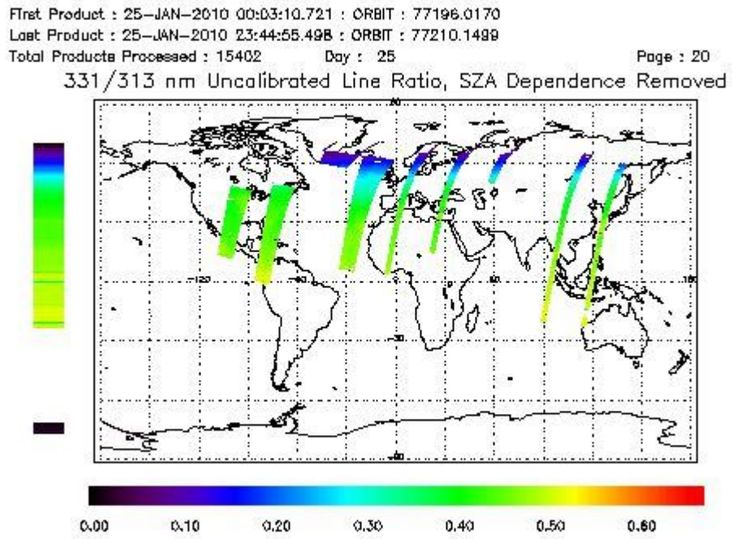
2.2 - Daily Plots

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

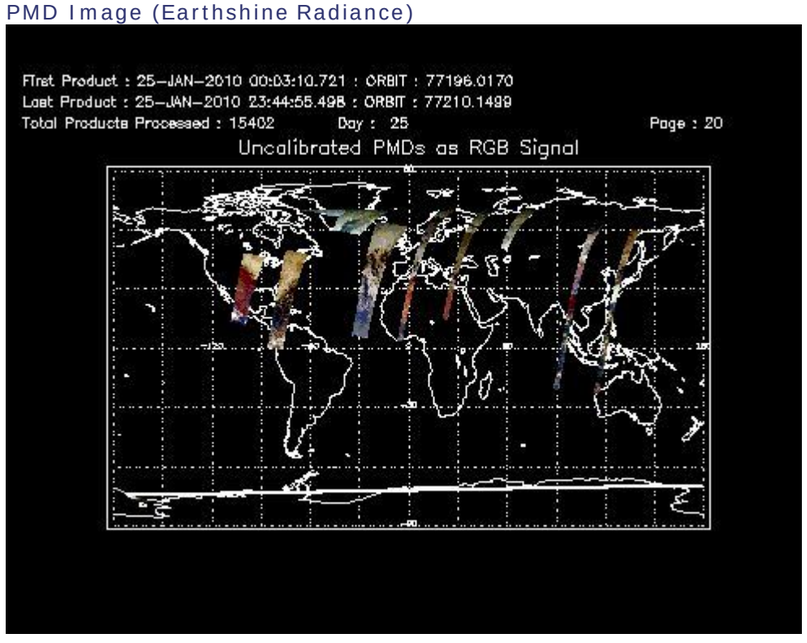
NEAR IR Intensity



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	12:14:45.236	--	77203	Yes	--	15638

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
14:00	12:00	77190	77203

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