GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	06-JAN-2010
Start Time of First Product	00:00:20
Stop Time of Last Product	23:52:29
Number of EGOI Products analysed	44
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
OI_100106BEEP1572.E2;1	06-JAN-2010	03:52:45.491
EGOI_100106CMEP6061.E2	06-JAN-2010	03:20:15.291
EGOI_100106CMEP6069.E2	06-JAN-2010	05:02:53.426
EGOI_100106CMEP6078.E2	06-JAN-2010	15:44:01.892
EGOI_100106CMEP6086.E2	06-JAN-2010	17:23:24.999
EGOI_100106GSEP6701.E2	06-JAN-2010	01:47:14.720
EGOI_100106GSEP6729.E2	06-JAN-2010	03:25:55.823
EGOI_100106GSEP6738.E2	06-JAN-2010	05:08:50.461
EGOI_100106HLEP4862.E2	06-JAN-2010	14:52:12.071

EGOI_100106HLEP4870.E2	06-JAN-2010	22:47:33.010
EGOI_100106KSEP3679.E2	06-JAN-2010	07:07:25.698
EGOI_100106KSEP3711.E2	06-JAN-2010	08:47:24.810
EGOI_100106KSEP3737.E2	06-JAN-2010	10:27:04.425
EGOI_100106KSEP3768.E2	06-JAN-2010	12:06:30.541
EGOI_100106KSEP3784.E2	06-JAN-2010	13:45:29.653
EGOI_100106KSEP3812.E2	06-JAN-2010	15:24:01.763
EGOI_100106KSEP3844.E2	06-JAN-2010	17:01:27.866
EGOI_100106KSEP3879.E2	06-JAN-2010	18:39:26.971
EGOI_100106KSEP3909.E2	06-JAN-2010	20:18:24.588
EGOI_100106KSEP3938.E2	06-JAN-2010	21:59:44.712
EGOI_100106KSEP3963.E2	06-JAN-2010	23:43:40.851
EGOI_100106MAEP7580.E2	06-JAN-2010	10:34:34.476
EGOI_100106MAEP7600.E2	06-JAN-2010	20:11:41.048
EGOI_100106MAEP7622.E2	06-JAN-2010	21:51:41.661
EGOI_100106MIEP9599.E2	06-JAN-2010	01:47:05.720
EGOI_100106MIEP9622.E2	06-JAN-2010	03:21:19.799
EGOI_100106MIEP9645.E2	06-JAN-2010	05:03:48.934
EGOI_100106MIEP9661.E2	06-JAN-2010	15:41:28.876
EGOI_100106MIEP9685.E2	06-JAN-2010	17:22:12.992
EGOI_100106MMEP2713.E2	06-JAN-2010	01:05:35.460
EGOI_100106MMEP2719.E2	06-JAN-2010	02:47:58.588
EGOI_100106MMEP2727.E2	06-JAN-2010	04:30:41.226
EGOI_100106MMEP2735.E2	06-JAN-2010	06:12:55.353
EGOI_100106MMEP2747.E2	06-JAN-2010	16:14:20.076
EGOI_100106MMEP2753.E2	06-JAN-2010	17:54:28.193
EGOI_100106MMEP2759.E2	06-JAN-2010	19:32:58.806
EGOI_100106MMEP2769.E2	06-JAN-2010	22:52:25.537
EGOI_100106MSEP0365.E2	06-JAN-2010	00:00:20.061
EGOI_100106MSEP0387.E2	06-JAN-2010	10:41:07.513
EGOI_100106MSEP0415.E2	06-JAN-2010	12:19:47.125
EGOI_100106MSEP0438.E2	06-JAN-2010	21:51:05.657
EGOI_100106MSEP0469.E2	06-JAN-2010	23:28:46.761
EGOI_100106SGEP2720.E2	06-JAN-2010	02:25:23.951
EGOI_100106SGEP2727.E2	06-JAN-2010	04:03:29.058
EGOI_100106SGEP2733.E2	06-JAN-2010	14:59:21.114
EGOI_100106SGEP2740.E2	06-JAN-2010	16:40:06.733

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	76928	06-JAN-2010	07:05:36.098	07:07:25.698	109.60000
KS	76929	06-JAN-2010	08:45:04.030	08:47:24.810	140.78000
KS	76930	06-JAN-2010	10:24:41.538	10:27:04.424	142.88600

KS	76931	06-JAN-2010	12:04:08.028	12:06:30.540	142.51200
KS	76932	06-JAN-2010	13:43:05.163	13:45:29.653	144.49000
KS	76933	06-JAN-2010	15:21:17.210	15:24:01.762	164.55200
KS	76934	06-JAN-2010	16:58:59.509	17:01:27.866	148.35700
KS	76935	06-JAN-2010	18:37:05.778	18:39:26.970	141.19200
KS	76936	06-JAN-2010	20:16:29.416	20:18:24.587	115.17100
KS	76937	06-JAN-2010	21:57:50.193	21:59:44.711	114.51800
KS	76938	06-JAN-2010	23:42:00.774	23:43:40.851	100.07700
GS	76925	06-JAN-2010	01:45:35.225	01:47:14.719	99.494000
GS	76926	06-JAN-2010	03:24:10.992	03:25:55.823	104.83100
MS	76924	05-JAN-2010	23:58:14.330	00:00:20.060	125.73000
MS	76930	06-JAN-2010	10:38:37.293	10:41:07.513	150.22000
MS	76931	06-JAN-2010	12:17:16.658	12:19:47.124	150.46600
MS	76937	06-JAN-2010	21:49:11.632	21:51:05.657	114.02500
MS	76938	06-JAN-2010	23:26:20.991	23:28:46.761	145.77000
MA	76930	06-JAN-2010	10:32:42.186	10:34:34.476	112.29000
MA	76936	06-JAN-2010	20:09:12.496	20:11:41.048	148.55200
MA	76937	06-JAN-2010	21:49:57.482	21:51:41.660	104.17800
MI	76925	06-JAN-2010	01:45:14.920	01:47:05.720	110.80000
MI	76926	06-JAN-2010	03:19:06.986	03:21:19.798	132.81200
MI	76927	06-JAN-2010	05:01:47.049	05:03:48.934	121.88500
MI	76933	06-JAN-2010	15:39:19.716	15:41:28.875	129.15900
MI	76934	06-JAN-2010	17:20:00.268	17:22:12.991	132.72300
MM	76924	06-JAN-2010	01:04:16.751	01:05:35.460	78.709000
MM	76925	06-JAN-2010	02:46:56.908	02:47:58.588	61.680000
MM	76933	06-JAN-2010	16:12:41.433	16:14:20.076	98.643000
MM	76934	06-JAN-2010	17:51:51.582	17:54:28.192	156.61000
MM	76935	06-JAN-2010	19:31:02.104	19:32:58.805	116.70100
MM	76937	06-JAN-2010	22:50:53.472	22:52:25.536	92.064000
BE	76926	06-JAN-2010	03:50:14.234	03:52:45.491	151.25700
SG	76925	06-JAN-2010	02:23:20.996	02:25:23.951	122.95500
SG	76926	06-JAN-2010	04:01:15.268	04:03:29.058	133.79000
SG	76932	06-JAN-2010	14:56:46.182	14:59:21.113	154.93100
SG	76933	06-JAN-2010	16:37:24.528	16:40:06.732	162.20400
CM	76926	06-JAN-2010	03:18:57.506	03:20:15.290	77.784000
CM	76933	06-JAN-2010	15:42:41.746	15:44:01.892	80.146000

CM	76934	06-JAN-2010	17:22:10.175	17:23:24.999	74.824000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	76924	06-JAN-2010	00:52:26.334	01:06:12.443	826.10900
KS	76924	06-JAN-2010	00:15:56.863	00:19:32.903	216.04000
BE	76925	06-JAN-2010	02:10:57.738	02:23:19.357	741.61900
MM	76928	06-JAN-2010	07:53:12.606	08:01:29.163	496.55700
JO	76928	06-JAN-2010	07:30:53.767	07:44:57.938	844.17100
MM	76929	06-JAN-2010	09:33:36.709	09:44:06.962	630.25300
MA	76929	06-JAN-2010	08:54:11.252	09:06:36.101	744.84900
JO	76929	06-JAN-2010	09:10:26.653	09:23:57.944	811.29100
HO	76930	06-JAN-2010	11:24:03.948	11:35:02.760	658.81200
MM	76930	06-JAN-2010	11:13:44.457	11:25:43.837	719.38000
HO	76931	06-JAN-2010	13:02:13.507	13:17:02.596	889.08900
MM	76931	06-JAN-2010	12:53:38.761	13:06:17.462	758.70100
MM	76932	06-JAN-2010	14:33:18.262	14:46:00.880	762.61800
GS	76932	06-JAN-2010	13:56:17.564	14:03:15.776	418.21200
BE	76933	06-JAN-2010	15:07:33.917	15:19:31.355	717.43800
GS	76933	06-JAN-2010	15:33:22.884	15:47:08.693	825.80900
GS	76934	06-JAN-2010	17:13:10.800	17:25:24.601	733.80100
JO	76935	06-JAN-2010	19:50:58.880	20:04:27.261	808.38100
MM	76936	06-JAN-2010	21:10:35.216	21:23:17.654	762.43800
JO	76936	06-JAN-2010	21:29:56.935	21:44:03.155	846.22000

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1.5 - List of corrupted products

Station	Orbit	Time
SG	76912	04:35:26.354

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

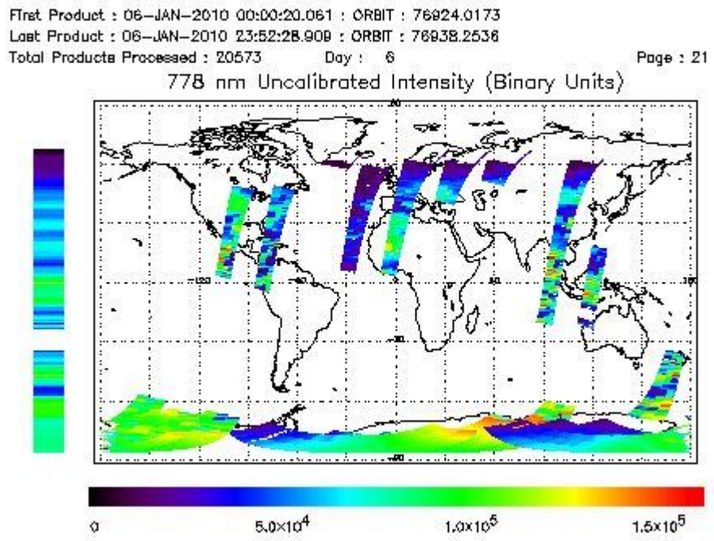
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK

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

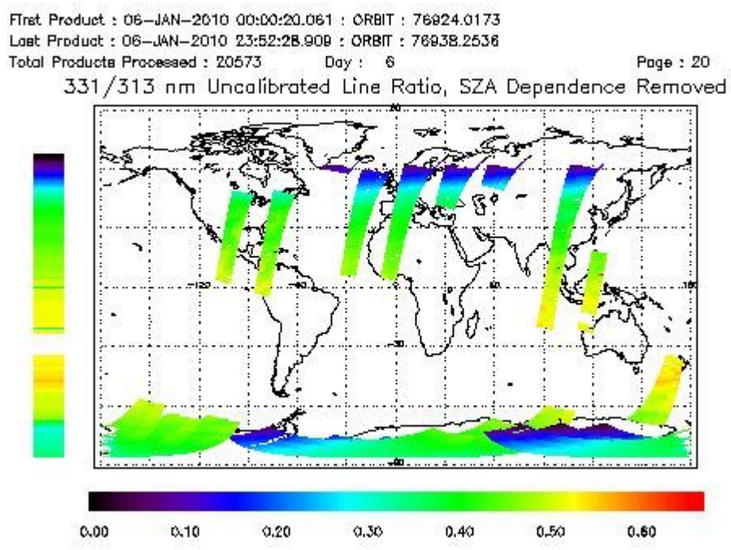
2.2 - Daily Plots

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

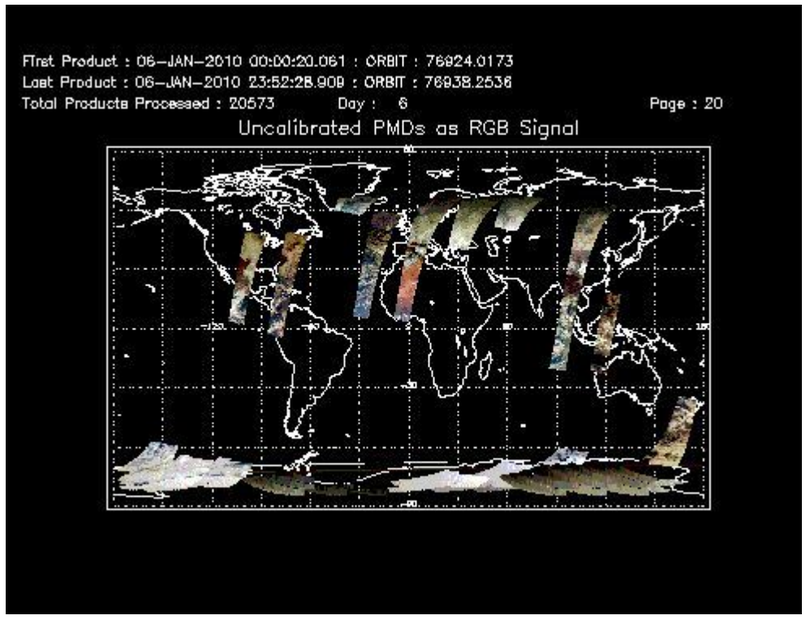
NEAR IR Intensity



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	12:13:05.080	--	76931	Yes	--	15774

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
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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