GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	23-JAN-2009
Start Time of First Product	01:14:32
Stop Time of Last Product	23:18:21
Number of EGOI Products analysed	30
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100123BEEP1740.E2	23-JAN-2010	03:18:20.605
EGOI_100123GSEP7997.E2	23-JAN-2010	01:14:31.846
EGOI_100123GSEP8029.E2	23-JAN-2010	02:51:38.445
EGOI_100123GSEP8057.E2	23-JAN-2010	04:33:31.571
EGOI_100123GSEP8064.E2	23-JAN-2010	06:15:38.198
EGOI_100123KSEP8329.E2	23-JAN-2010	06:33:14.312
EGOI_100123KSEP8351.E2	23-JAN-2010	08:13:14.928
EGOI_100123KSEP8375.E2	23-JAN-2010	09:52:50.043
EGOI_100123KSEP8400.E2	23-JAN-2010	11:32:26.659

EGOI_100123KSEP8432.E2	23-JAN-2010	13:11:31.771
EGOI_100123KSEP8445.E2	23-JAN-2010	14:50:17.379
EGOI_100123KSEP8475.E2	23-JAN-2010	16:27:56.984
EGOI_100123KSEP8509.E2	23-JAN-2010	18:05:59.092
EGOI_100123KSEP8518.E2	23-JAN-2010	19:44:07.193
EGOI_100123KSEP8543.E2	23-JAN-2010	21:24:40.812
EGOI_100123KSEP8570.E2	23-JAN-2010	23:07:24.948
EGOI_100123MAEP8137.E2	23-JAN-2010	08:21:29.978
EGOI_100123MAEP8151.E2	23-JAN-2010	10:00:17.094
EGOI_100123MAEP8168.E2	23-JAN-2010	21:16:58.765
EGOI_100123MIEP1124.E2	23-JAN-2010	02:47:51.925
EGOI_100123MIEP1152.E2	23-JAN-2010	04:27:31.532
EGOI_100123MIEP1175.E2	23-JAN-2010	15:08:03.993
EGOI_100123MIEP1201.E2	23-JAN-2010	16:47:07.605
EGOI_100123MSEP2411.E2	23-JAN-2010	10:08:14.141
EGOI_100123MSEP2439.E2	23-JAN-2010	11:45:26.737
EGOI_100123MSEP2461.E2	23-JAN-2010	13:26:54.365
EGOI_100123MSEP2475.E2	23-JAN-2010	21:19:27.281
EGOI_100123MSEP2507.E2	23-JAN-2010	22:54:18.866
EGOI_100123SGEP3151.E2	23-JAN-2010	01:54:45.596
EGOI_100123SGEP3158.E2	23-JAN-2010	03:30:04.180

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77171	23-JAN-2010	06:31:41.552	06:33:14.312	92.760000
KS	77172	23-JAN-2010	08:10:55.269	08:13:14.927	139.65800
KS	77173	23-JAN-2010	09:50:32.504	09:52:50.042	137.53800
KS	77174	23-JAN-2010	11:30:04.683	11:32:26.658	141.97500
KS	77175	23-JAN-2010	13:09:14.133	13:11:31.770	137.63700
KS	77176	23-JAN-2010	14:47:54.578	14:50:17.379	142.80100
KS	77177	23-JAN-2010	16:25:34.473	16:27:56.983	142.51000
KS	77178	23-JAN-2010	18:03:21.503	18:05:59.091	157.58800
KS	77179	23-JAN-2010	19:42:13.408	19:44:07.192	113.78400
KS	77180	23-JAN-2010	21:22:49.747	21:24:40.812	111.06500
KS	77181	23-JAN-2010	23:05:52.106	23:07:24.948	92.842000
GS	77168	23-JAN-2010	01:12:49.776	01:14:31.846	102.07000
GS	77169	23-JAN-2010	02:49:53.102	02:51:38.445	105.34300
GS	77170	23-JAN-2010	04:31:44.539	04:33:31.570	107.03100
MS	77173	23-JAN-2010	10:06:04.972	10:08:14.141	129.16900
MS	77174	23-JAN-2010	11:43:00.114	11:45:26.737	146.62300

MS	77175	23-JAN-2010	13:24:37.357	13:26:54.364	137.00700
MS	77181	23-JAN-2010	22:52:17.540	22:54:18.866	121.32600
MA	77172	23-JAN-2010	08:20:07.086	08:21:29.978	82.892000
MA	77173	23-JAN-2010	09:58:34.949	10:00:17.093	102.14400
MA	77180	23-JAN-2010	21:14:32.646	21:16:58.765	146.11900
MI	77169	23-JAN-2010	02:45:41.314	02:47:51.924	130.61000
MI	77170	23-JAN-2010	04:25:23.750	04:27:31.531	127.78100
MI	77176	23-JAN-2010	15:05:55.412	15:08:03.993	128.58100
MI	77177	23-JAN-2010	16:44:54.305	16:47:07.605	133.30000
BE	77169	23-JAN-2010	03:15:55.648	03:18:20.605	144.95700
SG	77169	23-JAN-2010	03:26:54.320	03:30:04.180	189.86000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	77167	23-JAN-2010	00:17:43.767	00:32:21.927	878.16000
MM	77167	23-JAN-2010	00:29:18.004	00:40:20.540	662.53600
HO	77168	23-JAN-2010	02:01:23.662	02:09:30.572	486.91000
MM	77168	23-JAN-2010	02:11:39.298	02:20:39.064	539.76600
MM	77169	23-JAN-2010	03:54:42.807	04:01:23.729	400.92200
CM	77169	23-JAN-2010	02:47:04.416	02:54:14.445	430.02900
CM	77169	23-JAN-2010	04:23:24.816	04:35:36.946	732.13000
BE	77170	23-JAN-2010	04:57:01.578	05:04:59.168	477.59000
MM	77170	23-JAN-2010	05:37:21.540	05:43:10.768	349.22800
MM	77171	23-JAN-2010	07:18:41.021	07:26:08.467	447.44600
JO	77171	23-JAN-2010	06:58:14.379	07:10:06.652	712.27300
MM	77172	23-JAN-2010	08:59:13.570	09:09:01.773	588.20300
JO	77172	23-JAN-2010	08:35:37.772	08:50:27.894	890.12200
MM	77173	23-JAN-2010	10:39:26.162	10:51:00.909	694.74700
HO	77174	23-JAN-2010	12:28:22.884	12:42:52.449	869.56500
MM	77174	23-JAN-2010	12:19:25.141	12:31:55.337	750.19600
MA	77174	23-JAN-2010	11:40:00.577	11:46:53.140	412.56300
HO	77175	23-JAN-2010	14:07:57.007	14:21:12.622	795.61500
MM	77175	23-JAN-2010	13:59:09.945	14:11:53.869	763.92400
SG	77175	23-JAN-2010	14:23:59.302	14:34:58.459	659.15700
BE	77176	23-JAN-2010	14:32:41.449	14:45:52.164	790.71500

MM	77176	23-JAN-2010	15:38:38.725	15:51:15.624	756.89900
GS	77176	23-JAN-2010	14:59:34.224	15:12:23.781	769.55700
SG	77176	23-JAN-2010	16:02:02.615	16:15:05.607	782.99200
CM	77176	23-JAN-2010	15:10:31.855	15:17:36.437	424.58200
MM	77177	23-JAN-2010	17:17:52.393	17:30:23.935	751.54200
GS	77177	23-JAN-2010	16:38:47.541	16:52:12.673	805.13200
CM	77177	23-JAN-2010	16:47:23.223	16:59:31.459	728.23600
MM	77178	23-JAN-2010	18:57:00.608	19:09:38.037	757.42900
GS	77178	23-JAN-2010	18:19:53.672	18:27:14.799	441.12700
JO	77178	23-JAN-2010	19:18:19.646	19:28:33.284	613.63800
MM	77179	23-JAN-2010	20:36:23.246	20:49:07.249	764.00300
MA	77179	23-JAN-2010	19:36:04.545	19:48:01.386	716.84100
JO	77179	23-JAN-2010	20:55:35.771	21:10:34.490	898.71900
HO	77180	23-JAN-2010	22:09:58.010	22:20:56.318	658.30800
MM	77180	23-JAN-2010	22:16:23.816	22:28:52.656	748.84000
JO	77180	23-JAN-2010	22:37:32.162	22:45:33.096	480.93400
HO	77181	23-JAN-2010	23:46:41.146	00:01:06.907	865.76100
MM	77181	23-JAN-2010	23:57:20.931	00:08:52.221	691.29000

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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

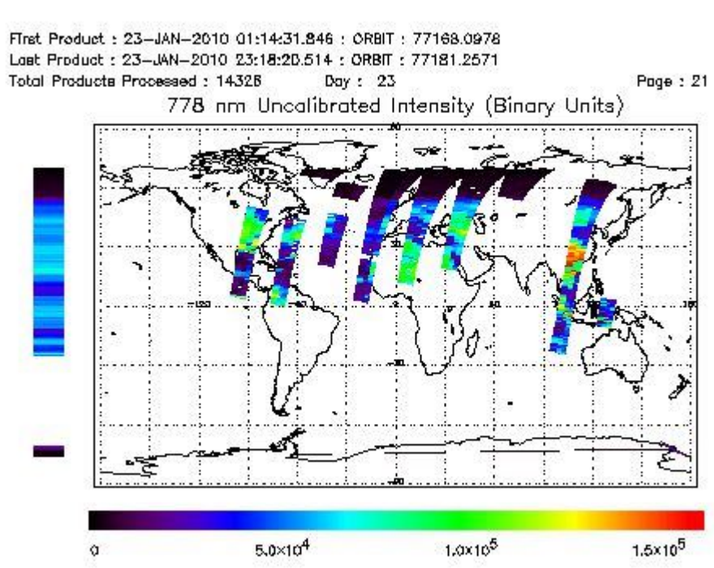
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

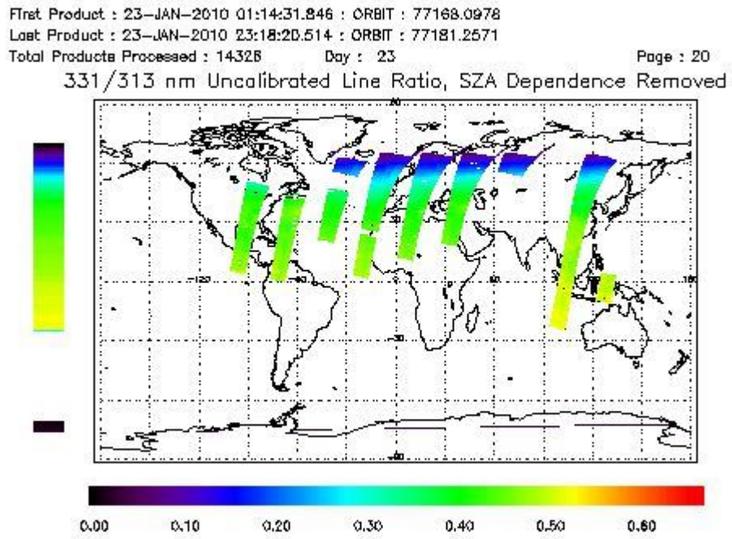
2.2 - Daily Plots

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

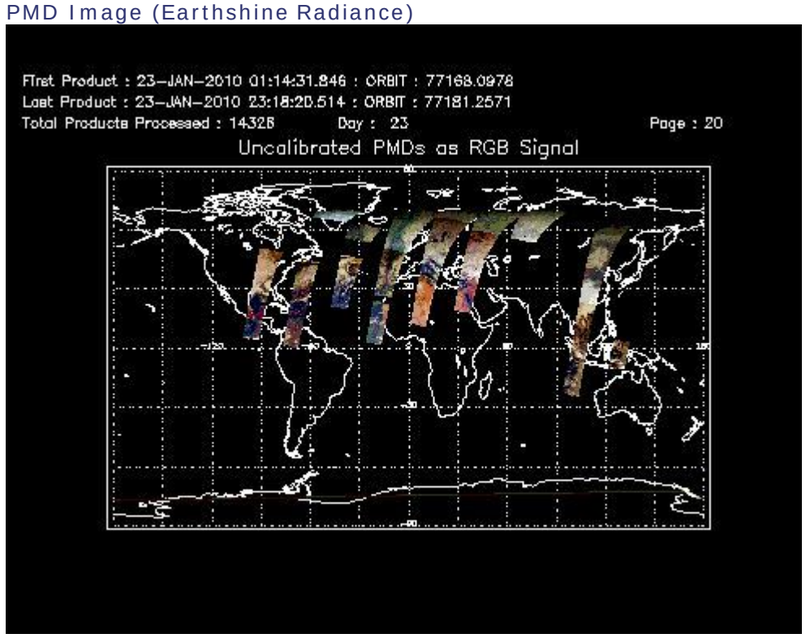
NEAR IR Intensity



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	13:18:10.814	--	77175	Yes	--	15431

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
--	--	--	--	--

5.4 - Wrong Command Execution

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

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