GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	22-JUN-2010
Start Time of First Product	00:53:38
Stop Time of Last Product	23:03:28
Number of EGOI Products analysed	26
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100622BEEP3099.E2	22-JUN-2010	04:44:07.290
EGOI_100622GSEP9075.E2	22-JUN-2010	01:00:08.927
EGOI_100622GSEP9107.E2	22-JUN-2010	02:36:45.516
EGOI_100622GSEP9132.E2	22-JUN-2010	04:17:58.130
EGOI_100622GSEP9139.E2	22-JUN-2010	06:00:13.759
EGOI_100622KSEP5396.E2	22-JUN-2010	06:18:27.360
EGOI_100622KSEP5422.E2	22-JUN-2010	07:58:17.474
EGOI_100622KSEP5446.E2	22-JUN-2010	09:37:55.579
EGOI_100622KSEP5477.E2	22-JUN-2010	11:17:30.685

EGOI_100622KSEP5506.E2	22-JUN-2010	12:56:43.294
EGOI_100622KSEP5533.E2	22-JUN-2010	14:35:33.392
EGOI_100622KSEP5550.E2	22-JUN-2010	16:13:14.493
EGOI_100622KSEP5578.E2	22-JUN-2010	17:51:16.588
EGOI_100622KSEP5609.E2	22-JUN-2010	19:29:14.186
EGOI_100622KSEP5639.E2	22-JUN-2010	21:09:28.301
EGOI_100622KSEP5648.E2	22-JUN-2010	22:52:04.927
EGOI_100622MAEP3604.E2	22-JUN-2010	09:45:34.626
EGOI_100622MAEP3621.E2	22-JUN-2010	11:25:21.735
EGOI_100622MSEP9787.E2	22-JUN-2010	00:53:38.888
EGOI_100622MSEP9807.E2	22-JUN-2010	11:30:35.267
EGOI_100622MSEP9830.E2	22-JUN-2010	13:11:35.884
EGOI_100622MSEP9857.E2	22-JUN-2010	22:39:34.852
EGOI_100622SGEP6497.E2	22-JUN-2010	03:22:44.298
EGOI_100622SGEP6504.E2	22-JUN-2010	04:57:32.872
EGOI_100622SGEP6511.E2	22-JUN-2010	14:12:01.755
EGOI_100622SGEP6517.E2	22-JUN-2010	15:49:26.353

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	79319	22-JUN-2010	07:56:42.143	07:58:17.474	95.331000
KS	79320	22-JUN-2010	09:36:18.516	09:37:55.579	97.063000
KS	79321	22-JUN-2010	11:15:52.470	11:17:30.685	98.215000
KS	79322	22-JUN-2010	12:55:06.352	12:56:43.294	96.942000
GS	79316	22-JUN-2010	02:35:44.913	02:36:45.515	60.602000
GS	79317	22-JUN-2010	04:16:47.408	04:17:58.129	70.721000
MS	79321	22-JUN-2010	11:28:48.905	11:30:35.267	106.36200
MS	79322	22-JUN-2010	13:09:38.678	13:11:35.883	117.20500
MA	79320	22-JUN-2010	09:44:21.694	09:45:34.626	72.932000
BE	79317	22-JUN-2010	04:42:19.350	04:44:07.290	107.94000
SG	79316	22-JUN-2010	03:12:48.618	03:22:44.298	595.68000
SG	79317	22-JUN-2010	04:54:46.131	04:57:32.871	166.74000
SG	79322	22-JUN-2010	14:10:46.579	14:12:01.754	75.175000
SG	79323	22-JUN-2010	15:47:36.803	15:49:26.353	109.55000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	79314	22-JUN-2010	00:03:36.682	00:18:10.306	873.62400

MM	79314	22-JUN-2010	00:14:45.796	00:26:02.049	676.25300
HO	79315	22-JUN-2010	01:45:47.491	01:56:09.933	622.44200
MM	79315	22-JUN-2010	01:56:58.467	02:06:18.135	559.66800
BE	79316	22-JUN-2010	03:01:42.569	03:15:07.689	805.12000
MM	79316	22-JUN-2010	03:39:58.875	03:46:57.546	418.67100
MI	79316	22-JUN-2010	02:32:00.883	02:43:32.905	692.02200
CM	79316	22-JUN-2010	02:34:54.763	02:38:21.306	206.54300
CM	79316	22-JUN-2010	04:09:07.665	04:21:32.310	744.64500
MM	79317	22-JUN-2010	05:22:46.472	05:28:32.956	346.48400
MI	79317	22-JUN-2010	04:10:42.490	04:23:06.072	743.58200
MM	79318	22-JUN-2010	07:04:16.431	07:11:24.346	427.91500
JO	79318	22-JUN-2010	06:44:57.804	06:55:21.826	624.02200
MM	79319	22-JUN-2010	08:44:53.316	08:54:22.572	569.25600
MA	79319	22-JUN-2010	08:06:33.524	08:16:14.157	580.63300
JO	79319	22-JUN-2010	08:21:20.669	08:36:21.354	900.68500
MM	79320	22-JUN-2010	10:25:08.086	10:36:30.733	682.64700
JO	79320	22-JUN-2010	10:05:02.946	10:12:16.294	433.34800
MM	79321	22-JUN-2010	12:05:08.970	12:17:34.183	745.21300
MM	79322	22-JUN-2010	13:44:55.917	13:57:39.710	763.79300
SG	79322	22-JUN-2010	14:10:46.579	14:19:55.731	549.15200
BE	79323	22-JUN-2010	14:18:21.872	14:31:44.319	802.44700
MM	79323	22-JUN-2010	15:24:27.059	15:37:05.310	758.25100
MI	79323	22-JUN-2010	14:52:15.711	15:02:44.874	629.16300
KS	79323	22-JUN-2010	14:33:51.553	14:45:26.936	695.38300
GS	79323	22-JUN-2010	14:45:34.827	14:56:23.626	648.79900
CM	79323	22-JUN-2010	14:58:35.379	15:01:02.735	147.35600
BE	79324	22-JUN-2010	16:02:00.165	16:08:31.295	391.13000
MM	79324	22-JUN-2010	17:03:42.545	17:16:14.169	751.62400
MI	79324	22-JUN-2010	16:30:29.449	16:43:20.251	770.80200
KS	79324	22-JUN-2010	16:11:32.921	16:23:37.630	724.70900
GS	79324	22-JUN-2010	16:24:31.019	16:38:13.529	822.51000
CM	79324	22-JUN-2010	16:33:06.539	16:45:30.048	743.50900
MM	79325	22-JUN-2010	18:42:50.538	18:55:26.640	756.10200
KS	79325	22-JUN-2010	17:49:27.396	18:02:33.580	786.18400
GS	79325	22-JUN-2010	18:05:14.210	18:14:04.353	530.14300
JO	79325	22-JUN-2010	19:05:16.278	19:12:58.635	462.35700

MM	79326	22-JUN-2010	20:22:09.644	20:34:53.474	763.83000
MA	79326	22-JUN-2010	19:24:22.866	19:33:29.827	546.96100
KS	79326	22-JUN-2010	19:28:00.447	19:41:59.474	839.02700
JO	79326	22-JUN-2010	20:41:24.195	20:56:25.441	901.24600
HO	79327	22-JUN-2010	21:56:39.674	22:06:24.230	584.55600
MM	79327	22-JUN-2010	22:02:03.480	22:14:36.687	753.20700
MA	79327	22-JUN-2010	21:00:04.103	21:13:37.210	813.10700
KS	79327	22-JUN-2010	21:08:19.629	21:21:36.899	797.27000
JO	79327	22-JUN-2010	22:22:29.864	22:32:38.839	608.97500
HO	79328	22-JUN-2010	23:32:31.285	23:46:53.394	862.10900
MM	79328	22-JUN-2010	23:42:51.704	23:54:34.335	702.63100
MS	79328	22-JUN-2010	22:38:18.712	22:51:10.403	771.69100
MA	79328	22-JUN-2010	22:45:40.980	22:50:13.003	272.02300
KS	79328	22-JUN-2010	22:50:57.519	23:01:05.638	608.11900

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1.5 - List of corrupted products

Station	Orbit	Time

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

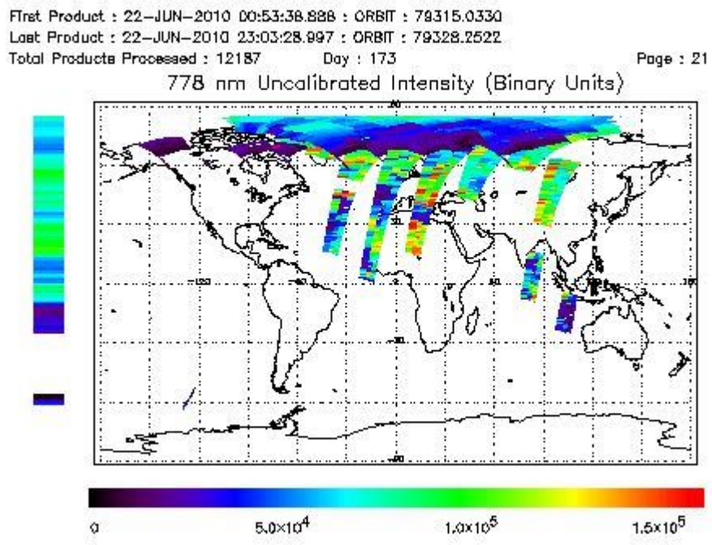
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

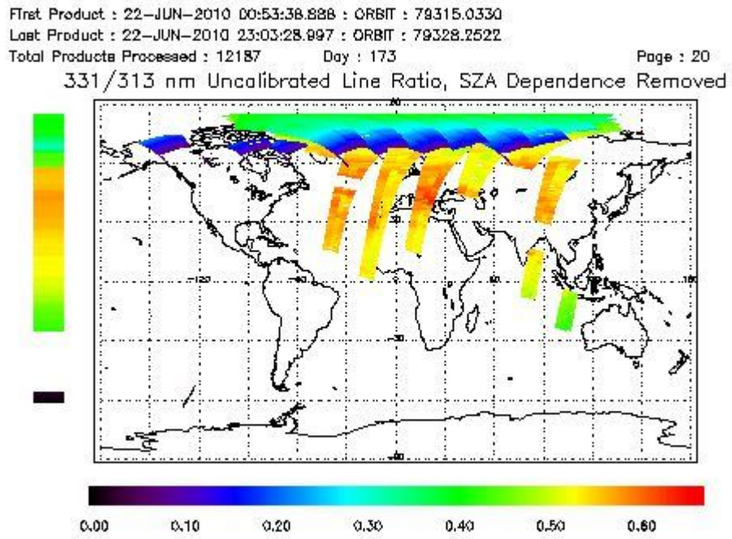
2.2 - Daily Plots

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

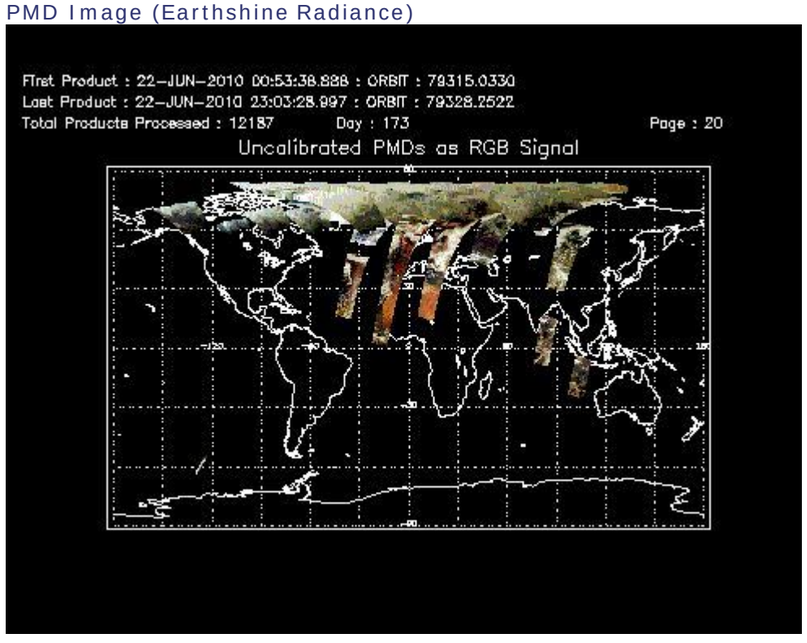
NEAR IR Intensity



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	17:53:03	--	79325	Yes	--	14475

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