GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	23-JUN-2010
Start Time of First Product	00:20:15
Stop Time of Last Product	22:32:12
Number of EGOI Products analysed	29
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100623BEEP3105.E2	23-JUN-2010	04:11:59.372
EGOI_100623GSEP9167.E2	23-JUN-2010	02:06:00.107
EGOI_100623GSEP9198.E2	23-JUN-2010	03:45:38.217
EGOI_100623GSEP9206.E2	23-JUN-2010	05:28:10.342
EGOI_100623KSEP5672.E2	23-JUN-2010	07:26:36.559
EGOI_100623KSEP5691.E2	23-JUN-2010	09:06:35.671
EGOI_100623KSEP5712.E2	23-JUN-2010	10:46:15.278
EGOI_100623KSEP5738.E2	23-JUN-2010	12:25:36.885
EGOI_100623KSEP5766.E2	23-JUN-2010	14:04:34.494

EGOI_100623KSEP5792.E2	23-JUN-2010	15:42:35.094
EGOI_100623KSEP5821.E2	23-JUN-2010	17:20:23.684
EGOI_100623KSEP5853.E2	23-JUN-2010	18:58:16.782
EGOI_100623KSEP5883.E2	23-JUN-2010	20:37:42.893
EGOI_100623KSEP5911.E2	23-JUN-2010	22:19:33.016
EGOI_100623MAEP3636.E2	23-JUN-2010	09:13:52.214
EGOI_100623MAEP3645.E2	23-JUN-2010	10:53:48.325
EGOI_100623MAEP3664.E2	23-JUN-2010	22:11:40.461
EGOI_100623MMEP0077.E2	23-JUN-2010	03:07:46.981
EGOI_100623MMEP0088.E2	23-JUN-2010	11:34:32.076
EGOI_100623MMEP0097.E2	23-JUN-2010	14:53:40.789
EGOI_100623MMEP0106.E2	23-JUN-2010	18:13:37.508
EGOI_100623MMEP0114.E2	23-JUN-2010	21:32:14.723
EGOI_100623MSEP9883.E2	23-JUN-2010	00:20:15.962
EGOI_100623MSEP9906.E2	23-JUN-2010	10:59:30.361
EGOI_100623MSEP9933.E2	23-JUN-2010	12:38:59.467
EGOI_100623MSEP9960.E2	23-JUN-2010	22:09:17.950
EGOI_100623SGEP6525.E2	23-JUN-2010	02:43:24.329
EGOI_100623SGEP6531.E2	23-JUN-2010	04:23:00.938
EGOI_100623SGEP6539.E2	23-JUN-2010	17:00:56.567

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
GS	79330	23-JUN-2010	02:04:57.405	02:06:00.107	62.702000
GS	79331	23-JUN-2010	03:44:27.246	03:45:38.217	70.971000
MS	79329	23-JUN-2010	00:18:57.896	00:20:15.961	78.065000
MS	79335	23-JUN-2010	10:57:45.880	10:59:30.361	104.48100
BE	79331	23-JUN-2010	04:10:23.042	04:11:59.371	96.329000
SG	79330	23-JUN-2010	02:42:17.750	02:43:24.328	66.578000
SG	79331	23-JUN-2010	04:21:40.695	04:23:00.937	80.242000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	79329	23-JUN-2010	01:12:47.824	01:25:45.765	777.94100
MM	79329	23-JUN-2010	01:24:44.461	01:34:45.563	601.10200
BE	79330	23-JUN-2010	02:30:36.245	02:43:38.969	782.72400
MI	79330	23-JUN-2010	02:02:41.704	02:11:05.482	503.77800
CM	79330	23-JUN-2010	03:38:13.233	03:50:10.139	716.90600
MM	79331	23-JUN-2010	04:50:34.910	04:56:28.250	353.34000

MI	79331	23-JUN-2010	03:38:58.145	03:52:17.733	799.58800
MM	79332	23-JUN-2010	06:32:30.466	06:38:59.873	389.40700
CM	79332	23-JUN-2010	05:19:28.211	05:27:36.149	487.93800
MM	79333	23-JUN-2010	08:13:19.237	08:22:04.631	525.39400
KS	79333	23-JUN-2010	07:25:27.157	07:36:21.726	654.56900
JO	79333	23-JUN-2010	07:50:19.781	08:05:03.670	883.88900
MM	79334	23-JUN-2010	09:53:39.356	10:04:31.591	652.23500
KS	79334	23-JUN-2010	09:04:59.599	09:18:32.452	812.85300
JO	79334	23-JUN-2010	09:31:11.499	09:43:10.587	719.08800
MM	79335	23-JUN-2010	11:33:44.410	11:45:55.367	730.95700
KS	79335	23-JUN-2010	10:44:36.258	10:58:32.194	835.93600
MM	79336	23-JUN-2010	13:13:35.911	13:26:17.562	761.65100
KS	79336	23-JUN-2010	12:23:58.451	12:36:59.936	781.48500
MS	79336	23-JUN-2010	12:37:22.160	12:49:12.165	710.00500
HO	79337	23-JUN-2010	15:03:00.415	15:11:56.323	535.90800
MM	79337	23-JUN-2010	14:53:12.214	15:05:53.334	761.12000
MI	79337	23-JUN-2010	14:23:33.684	14:28:32.868	299.18400
KS	79337	23-JUN-2010	14:02:51.922	14:14:43.610	711.68800
GS	79337	23-JUN-2010	14:15:08.986	14:24:51.347	582.36100
SG	79337	23-JUN-2010	15:16:20.329	15:30:09.960	829.63100
BE	79338	23-JUN-2010	15:28:18.719	15:38:54.297	635.57800
MM	79338	23-JUN-2010	16:32:32.230	16:45:04.938	752.70800
MI	79338	23-JUN-2010	15:59:05.585	16:12:28.681	803.09600
KS	79338	23-JUN-2010	15:40:50.684	15:52:41.213	710.52900
GS	79338	23-JUN-2010	15:53:13.016	16:07:08.896	835.88000
SG	79338	23-JUN-2010	16:58:57.585	17:05:41.352	403.76700
CM	79338	23-JUN-2010	16:02:05.823	16:14:07.639	721.81600
MM	79339	23-JUN-2010	18:11:41.039	18:24:14.620	753.58100
MI	79339	23-JUN-2010	17:41:07.338	17:47:37.794	390.45600
KS	79339	23-JUN-2010	17:18:41.012	17:31:23.815	762.80300
GS	79339	23-JUN-2010	17:33:20.233	17:44:31.055	670.82200
CM	79339	23-JUN-2010	17:42:57.963	17:51:05.911	487.94800
MM	79340	23-JUN-2010	19:50:54.145	20:03:36.379	762.23400
MA	79340	23-JUN-2010	18:55:53.080	19:00:17.538	264.45800
KS	79340	23-JUN-2010	18:56:50.916	19:10:42.436	831.52000
JO	79340	23-JUN-2010	20:10:26.761	20:24:52.331	865.57000

MM	79341	23-JUN-2010	21:30:34.625	21:43:14.582	759.95700
MA	79341	23-JUN-2010	20:28:47.808	20:42:32.302	824.49400
KS	79341	23-JUN-2010	20:36:35.000	20:50:18.057	823.05700
JO	79341	23-JUN-2010	21:50:11.971	22:03:13.770	781.79900
HO	79342	23-JUN-2010	23:01:58.890	23:15:29.546	810.65600
MM	79342	23-JUN-2010	23:11:04.105	23:23:07.921	723.81600
MS	79342	23-JUN-2010	22:08:02.040	22:19:19.324	677.28400
MA	79342	23-JUN-2010	22:11:22.163	22:20:55.032	572.86900
KS	79342	23-JUN-2010	22:18:24.064	22:29:52.699	688.63500
MS	79343	23-JUN-2010	23:46:33.576	23:59:20.392	766.81600

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1.5 - List of corrupted products

Station	Orbit	Time

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

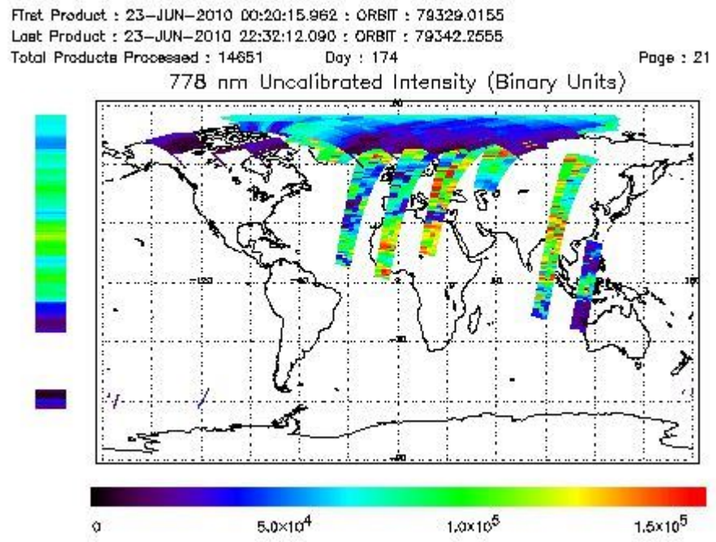
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

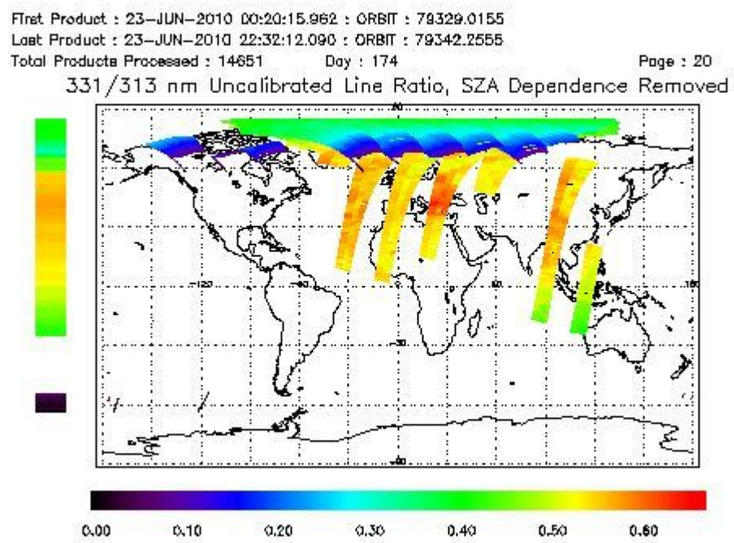
2.2 - Daily Plots

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

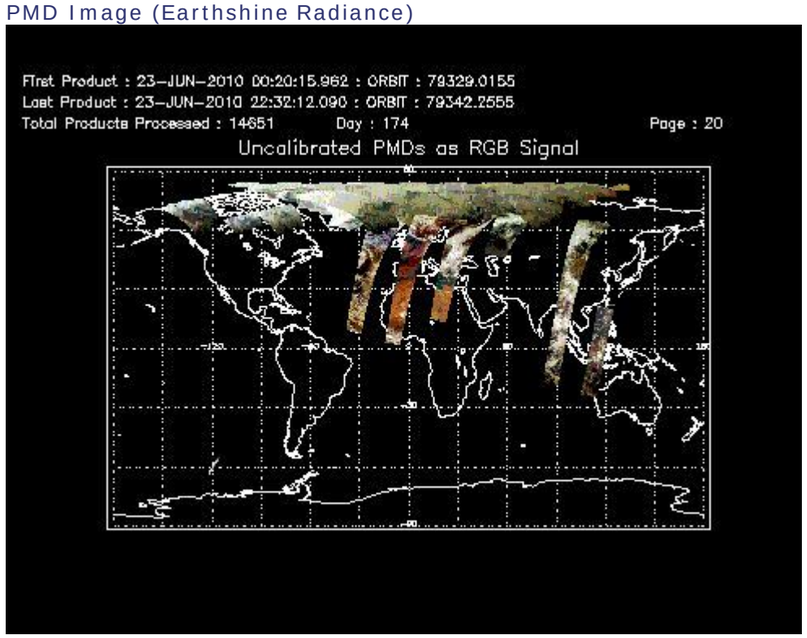
NEAR IR Intensity



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	17:21:25	--	79339	Yes	--	14511

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