GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	17-JUN-2010
Start Time of First Product	00:08:23
Stop Time of Last Product	23:49:54
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_100617BEEP3053.E2	17-JUN-2010	02:21:07.479
EGOI_100617BEEP3059.E2	17-JUN-2010	04:00:38.084
EGOI_100617GSEP8691.E2	17-JUN-2010	01:54:49.315
EGOI_100617GSEP8722.E2	17-JUN-2010	03:34:10.920
EGOI_100617GSEP8730.E2	17-JUN-2010	05:16:46.048
EGOI_100617KSEP4154.E2	17-JUN-2010	07:15:15.270
EGOI_100617KSEP4174.E2	17-JUN-2010	08:55:11.382
EGOI_100617KSEP4195.E2	17-JUN-2010	10:34:52.488
EGOI_100617KSEP4215.E2	17-JUN-2010	12:17:39.622

EGOI_100617KSEP4242.E2	17-JUN-2010	13:53:14.701
EGOI_100617KSEP4255.E2	17-JUN-2010	15:31:33.304
EGOI_100617KSEP4282.E2	17-JUN-2010	17:09:03.899
EGOI_100617KSEP4313.E2	17-JUN-2010	18:47:05.997
EGOI_100617KSEP4344.E2	17-JUN-2010	20:26:14.107
EGOI_100617KSEP4372.E2	17-JUN-2010	22:07:47.722
EGOI_100617MAEP3418.E2	17-JUN-2010	09:02:33.925
EGOI_100617MAEP3431.E2	17-JUN-2010	10:42:24.035
EGOI_100617MSEP9180.E2	17-JUN-2010	00:08:23.165
EGOI_100617MSEP9207.E2	17-JUN-2010	10:48:34.571
EGOI_100617MSEP9235.E2	17-JUN-2010	12:27:38.181
EGOI_100617MSEP9262.E2	17-JUN-2010	21:58:37.167
EGOI_100617MSEP9294.E2	17-JUN-2010	23:36:21.262
EGOI_100617SGEP6357.E2	17-JUN-2010	02:32:42.049
EGOI_100617SGEP6364.E2	17-JUN-2010	04:11:24.651
EGOI_100617SGEP6371.E2	17-JUN-2010	15:06:43.652
EGOI_100617SGEP6378.E2	17-JUN-2010	16:48:18.774

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	79247	17-JUN-2010	07:14:06.287	07:15:15.270	68.983000
KS	79248	17-JUN-2010	08:53:36.393	08:55:11.382	94.989000
KS	79249	17-JUN-2010	10:33:13.622	10:34:52.488	98.866000
KS	79250	17-JUN-2010	12:12:38.362	12:17:39.622	301.26000
KS	79251	17-JUN-2010	13:51:32.989	13:53:14.701	101.71200
KS	79252	17-JUN-2010	15:29:40.273	15:31:33.303	113.03000
KS	79253	17-JUN-2010	17:07:22.242	17:09:03.899	101.65700
KS	79254	17-JUN-2010	18:45:33.288	18:47:05.997	92.709000
KS	79255	17-JUN-2010	20:25:05.507	20:26:14.107	68.600000
KS	79256	17-JUN-2010	22:06:38.174	22:07:47.721	69.547000
GS	79245	17-JUN-2010	03:32:50.704	03:34:10.919	80.215000
MS	79243	17-JUN-2010	00:07:04.285	00:08:23.164	78.879000
MS	79249	17-JUN-2010	10:46:51.041	10:48:34.571	103.53000
MS	79250	17-JUN-2010	12:25:52.584	12:27:38.181	105.59700
MS	79256	17-JUN-2010	21:57:13.106	21:58:37.167	84.061000
MS	79257	17-JUN-2010	23:34:58.677	23:36:21.261	82.584000
MA	79249	17-JUN-2010	10:41:16.589	10:42:24.035	67.446000
BE	79244	17-JUN-2010	02:19:21.776	02:21:07.478	105.70200
BE	79245	17-JUN-2010	03:58:51.493	04:00:38.084	106.59100

SG	79244	17-JUN-2010	02:31:24.673	02:32:42.049	77.376000
SG	79244	17-JUN-2010	02:41:07.599	02:43:00.805	113.20600
SG	79245	17-JUN-2010	04:09:58.003	04:11:24.651	86.648000
SG	79251	17-JUN-2010	15:05:07.370	15:06:43.651	96.281000
SG	79251	17-JUN-2010	15:11:45.182	15:18:43.647	418.46500
SG	79252	17-JUN-2010	16:46:30.210	16:48:18.773	108.56300
SG	79252	17-JUN-2010	16:52:50.301	16:55:31.985	161.68400

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	79243	17-JUN-2010	01:01:10.967	01:14:35.848	804.88100
MM	79243	17-JUN-2010	01:13:02.611	01:23:17.799	615.18800
KS	79243	17-JUN-2010	00:25:42.626	00:27:23.582	100.95600
MM	79244	17-JUN-2010	02:55:46.938	03:03:45.038	478.10000
MI	79244	17-JUN-2010	01:52:29.210	01:58:54.865	385.65500
MM	79245	17-JUN-2010	04:38:50.571	04:44:50.584	360.01300
MI	79245	17-JUN-2010	03:27:35.616	03:40:58.692	803.07600
CM	79245	17-JUN-2010	03:27:10.197	03:38:37.226	687.02900
CM	79245	17-JUN-2010	05:07:20.386	05:16:57.326	576.94000
MM	79246	17-JUN-2010	06:20:55.813	06:27:13.443	377.63000
MI	79246	17-JUN-2010	05:11:27.399	05:16:34.160	306.76100
MM	79247	17-JUN-2010	08:01:49.875	08:10:18.832	508.95700
JO	79247	17-JUN-2010	07:39:11.657	07:53:35.768	864.11100
MM	79248	17-JUN-2010	09:42:12.202	09:52:52.118	639.91600
JO	79248	17-JUN-2010	09:19:17.253	09:32:14.263	777.01000
MM	79249	17-JUN-2010	11:22:18.787	11:34:23.376	724.58900
MM	79250	17-JUN-2010	13:02:11.898	13:14:52.030	760.13200
HO	79251	17-JUN-2010	14:51:19.938	15:01:02.251	582.31300
MM	79251	17-JUN-2010	14:41:50.039	14:54:32.063	762.02400
GS	79251	17-JUN-2010	14:04:17.489	14:12:37.034	499.54500
SG	79251	17-JUN-2010	15:05:07.370	15:18:43.647	816.27700
BE	79252	17-JUN-2010	15:16:24.769	15:27:51.535	686.76600
MM	79252	17-JUN-2010	16:21:11.840	16:33:45.224	753.38400
MI	79252	17-JUN-2010	15:47:46.656	16:01:05.984	799.32800
GS	79252	17-JUN-2010	15:41:52.422	15:55:44.411	831.98900

CM	79252	17-JUN-2010	15:50:58.362	16:02:31.733	693.37100
MM	79253	17-JUN-2010	18:00:21.344	18:12:54.211	752.86700
MI	79253	17-JUN-2010	17:28:57.439	17:37:24.493	507.05400
GS	79253	17-JUN-2010	17:21:48.513	17:33:37.440	708.92700
CM	79253	17-JUN-2010	17:31:01.013	17:40:32.877	571.86400
MM	79254	17-JUN-2010	19:39:32.858	19:52:14.215	761.35700
MA	79254	17-JUN-2010	18:44:46.007	18:48:51.800	245.79300
JO	79254	17-JUN-2010	19:59:17.786	20:13:14.488	836.70200
MM	79255	17-JUN-2010	21:19:09.015	21:31:50.548	761.53300
MA	79255	17-JUN-2010	20:17:34.839	20:31:22.266	827.42700
JO	79255	17-JUN-2010	21:38:36.360	21:52:18.394	822.03400
HO	79256	17-JUN-2010	22:50:51.277	23:04:01.985	790.70800
MM	79256	17-JUN-2010	22:59:32.007	23:11:42.269	730.26200
MA	79256	17-JUN-2010	21:58:48.610	22:09:54.420	665.81000

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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

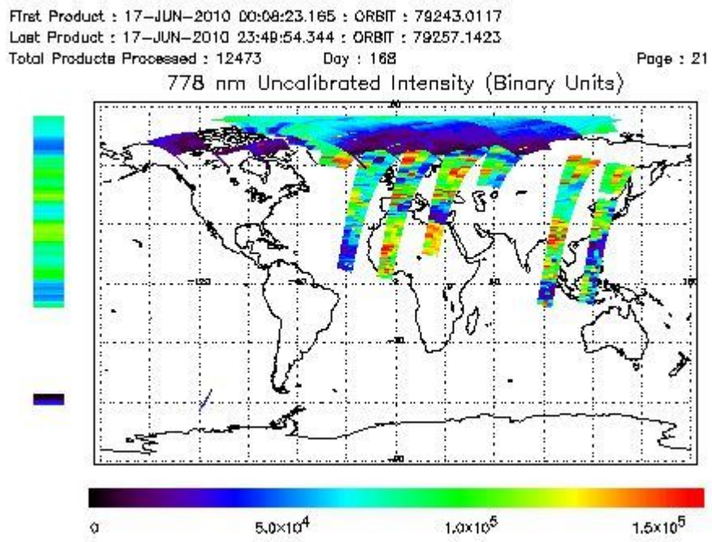
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

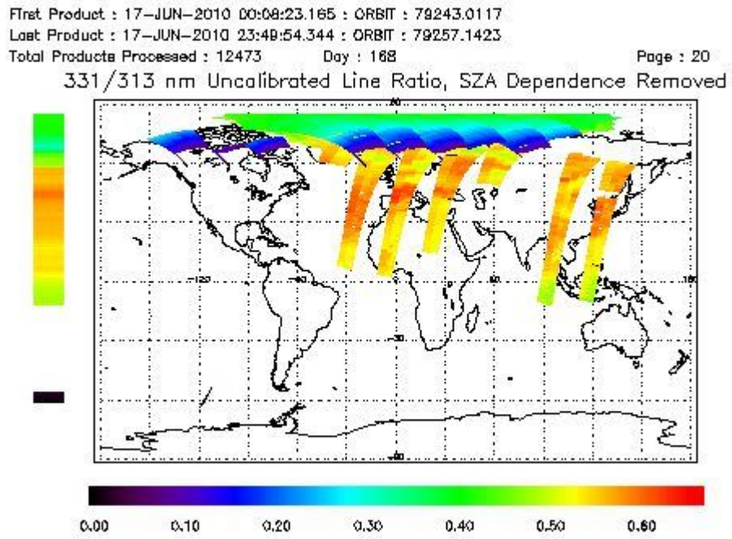
2.2 - Daily Plots

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

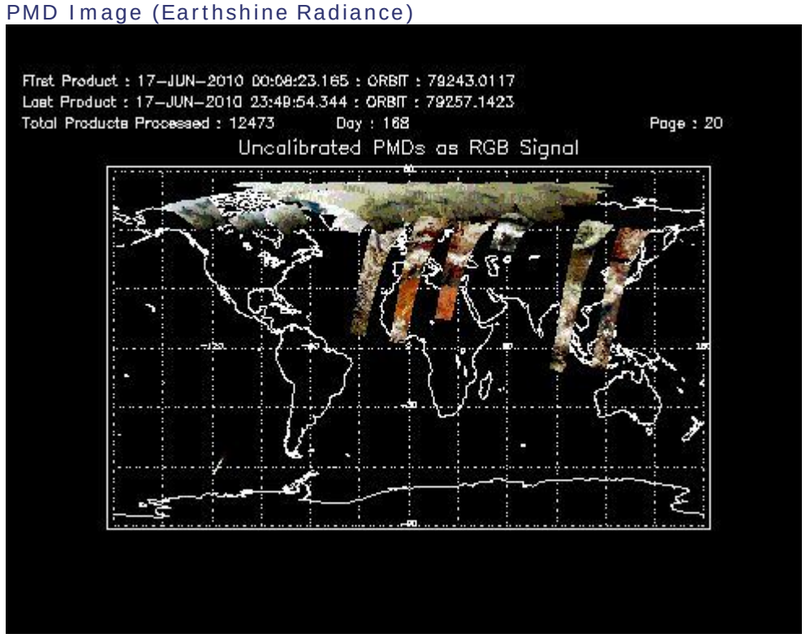
NEAR IR Intensity



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	17:09:09.898	--	79254	Yes	--	14560

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