GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	14-JUL-2010
Start Time of First Product	01:03:39
Stop Time of Last Product	21:32:30
Number of EGOI Products analysed	39
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100714GSEP0674.E2	14-JUL-2010	01:08:42.817
EGOI_100714GSEP0703.E2	14-JUL-2010	02:45:16.399
EGOI_100714GSEP0728.E2	14-JUL-2010	04:27:08.020
EGOI_100714GSEP0735.E2	14-JUL-2010	06:09:07.145
EGOI_100714HLEP5994.E2	14-JUL-2010	01:56:50.606
EGOI_100714HLEP6000.E2	14-JUL-2010	12:24:21.433
EGOI_100714HLEP6008.E2	14-JUL-2010	14:03:47.538
EGOI_100714KSEP0020.E2	14-JUL-2010	16:21:45.376
EGOI_100714KSEP0050.E2	14-JUL-2010	17:59:51.971

EGOI_100714KSEP0080.E2	14-JUL-2010	19:37:50.996
EGOI_100714KSEP0102.E2	14-JUL-2010	21:18:20.106
EGOI_100714KSEP0127.E2	14-JUL-2010	23:00:59.728
EGOI_100714KSEP9911.E2	14-JUL-2010	06:27:04.250
EGOI_100714KSEP9926.E2	14-JUL-2010	08:06:54.360
EGOI_100714KSEP9945.E2	14-JUL-2010	09:46:33.966
EGOI_100714KSEP9967.E2	14-JUL-2010	11:26:12.073
EGOI_100714KSEP9984.E2	14-JUL-2010	13:05:17.179
EGOI_100714KSEP9993.E2	14-JUL-2010	14:44:05.778
EGOI_100714MAEP4486.E2	14-JUL-2010	09:54:05.509
EGOI_100714MAEP4501.E2	14-JUL-2010	21:10:51.559
EGOI_100714MIEP6204.E2	14-JUL-2010	02:41:47.879
EGOI_100714MIEP6226.E2	14-JUL-2010	04:21:09.488
EGOI_100714MIEP6248.E2	14-JUL-2010	15:02:01.387
EGOI_100714MIEP6264.E2	14-JUL-2010	16:40:45.489
EGOI_100714MMEP1325.E2	14-JUL-2010	10:34:19.261
EGOI_100714MMEP1333.E2	14-JUL-2010	12:14:37.874
EGOI_100714MMEP1341.E2	14-JUL-2010	15:33:34.587
EGOI_100714MMEP1348.E2	14-JUL-2010	17:13:42.692
EGOI_100714MMEP1356.E2	14-JUL-2010	20:31:52.825
EGOI_100714MMEP1363.E2	14-JUL-2010	22:12:06.934
EGOI_100714MSEP2289.E2	14-JUL-2010	01:03:39.785
EGOI_100714MSEP2307.E2	14-JUL-2010	10:02:17.561
EGOI_100714MSEP2332.E2	14-JUL-2010	11:39:12.151
EGOI_100714MSEP2355.E2	14-JUL-2010	13:20:15.770
EGOI_100714MSEP2367.E2	14-JUL-2010	21:13:51.575
EGOI_100714MSEP2397.E2	14-JUL-2010	22:48:07.150
EGOI_100714SGEP7051.E2	14-JUL-2010	03:25:36.145
EGOI_100714SGEP7058.E2	14-JUL-2010	05:05:18.750
EGOI_100714SGEP7070.E2	14-JUL-2010	15:58:10.735

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	79639	14-JUL-2010	16:19:57.529	16:21:45.375	107.84600
KS	79640	14-JUL-2010	17:57:47.708	17:59:51.971	124.26300
KS	79641	14-JUL-2010	19:36:31.974	19:37:50.996	79.022000
KS	79642	14-JUL-2010	21:17:01.358	21:18:20.105	78.747000
KS	79633	14-JUL-2010	06:26:03.949	06:27:04.250	60.301000
KS	79634	14-JUL-2010	08:05:13.971	08:06:54.359	100.38800
KS	79635	14-JUL-2010	09:44:50.921	09:46:33.966	103.04500
KS	79636	14-JUL-2010	11:24:23.850	11:26:12.073	108.22300

KS	79637	14-JUL-2010	13:03:35.122	13:05:17.179	102.05700
KS	79638	14-JUL-2010	14:42:17.469	14:44:05.778	108.30900
GS	79630	14-JUL-2010	01:07:25.936	01:08:42.816	76.880000
GS	79631	14-JUL-2010	02:44:13.191	02:45:16.399	63.208000
GS	79632	14-JUL-2010	04:25:44.275	04:27:08.019	83.744000
MS	79636	14-JUL-2010	11:37:20.348	11:39:12.150	111.80200
MS	79637	14-JUL-2010	13:18:32.075	13:20:15.769	103.69400
MA	79635	14-JUL-2010	09:52:53.293	09:54:05.508	72.215000
MA	79642	14-JUL-2010	21:08:48.205	21:10:51.558	123.35300
MI	79631	14-JUL-2010	02:40:11.927	02:41:47.879	95.952000
MI	79632	14-JUL-2010	04:19:29.859	04:21:09.487	99.628000
MI	79638	14-JUL-2010	15:00:26.091	15:02:01.387	95.296000
MI	79639	14-JUL-2010	16:39:07.657	16:40:45.489	97.832000
MM	79639	14-JUL-2010	17:12:12.473	17:13:42.691	90.218000
MM	79641	14-JUL-2010	20:30:41.715	20:31:52.825	71.110000
SG	79631	14-JUL-2010	03:21:15.119	03:25:36.145	261.02600
SG	79638	14-JUL-2010	15:56:15.246	15:58:10.735	115.48900

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	79629	14-JUL-2010	00:12:03.157	00:26:41.160	878.00300
MM	79629	14-JUL-2010	00:23:28.959	00:34:37.111	668.15200
HO	79630	14-JUL-2010	01:55:11.016	02:04:13.709	542.69300
MM	79630	14-JUL-2010	02:05:46.845	02:14:54.636	547.79100
BE	79631	14-JUL-2010	03:10:14.085	03:23:37.433	803.34800
MM	79631	14-JUL-2010	03:48:49.275	03:55:37.113	407.83800
CM	79631	14-JUL-2010	02:42:01.763	02:48:03.528	361.76500
CM	79631	14-JUL-2010	04:17:40.871	04:29:59.946	739.07500
BE	79632	14-JUL-2010	04:51:07.450	04:59:43.597	516.14700
MM	79632	14-JUL-2010	05:31:31.739	05:37:19.431	347.69200
MM	79633	14-JUL-2010	07:12:55.301	07:20:14.829	439.52800
JO	79633	14-JUL-2010	06:52:53.980	07:04:14.009	680.02900
MM	79634	14-JUL-2010	08:53:29.517	09:03:10.230	580.71300
MA	79634	14-JUL-2010	08:14:39.805	08:25:16.602	636.79700
JO	79634	14-JUL-2010	08:29:54.069	08:44:49.833	895.76400

MA	79636	14-JUL-2010	11:34:12.337	11:41:40.297	447.96000
MM	79637	14-JUL-2010	13:53:28.373	14:06:12.300	763.92700
SG	79637	14-JUL-2010	14:18:39.519	14:28:59.881	620.36200
BE	79638	14-JUL-2010	14:26:56.825	14:40:13.415	796.59000
GS	79638	14-JUL-2010	14:53:57.953	15:06:32.460	754.50700
SG	79638	14-JUL-2010	15:56:15.246	16:09:33.319	798.07300
CM	79638	14-JUL-2010	15:05:28.503	15:11:15.881	347.37800
GS	79639	14-JUL-2010	16:33:04.719	16:46:37.647	812.92800
CM	79639	14-JUL-2010	16:41:39.739	16:53:55.975	736.23600
MM	79640	14-JUL-2010	18:51:20.551	19:03:57.441	756.89000
GS	79640	14-JUL-2010	18:14:00.812	18:22:00.163	479.35100
JO	79640	14-JUL-2010	19:13:02.364	19:22:23.665	561.30100
MA	79641	14-JUL-2010	19:30:36.791	19:42:13.427	696.63600
JO	79641	14-JUL-2010	20:49:54.632	21:04:55.706	901.07400
HO	79642	14-JUL-2010	22:04:35.958	22:15:08.172	632.21400
MM	79642	14-JUL-2010	22:10:39.545	22:23:10.235	750.69000
JO	79642	14-JUL-2010	22:31:28.617	22:40:26.555	537.93800
HO	79643	14-JUL-2010	23:41:02.492	23:55:25.473	862.98100
MM	79643	14-JUL-2010	23:51:33.079	00:03:09.035	695.95600
MS	79643	14-JUL-2010	22:46:41.103	22:59:48.843	787.74000
KS	79643	14-JUL-2010	22:59:53.725	23:09:35.517	581.79200

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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

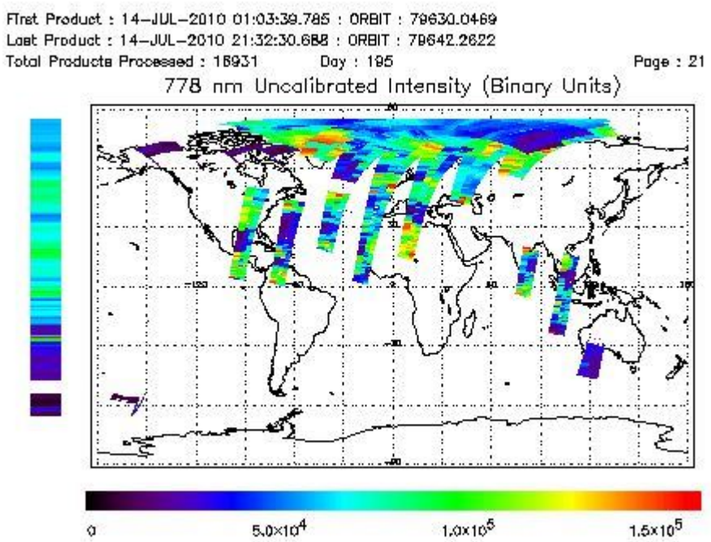
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK

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

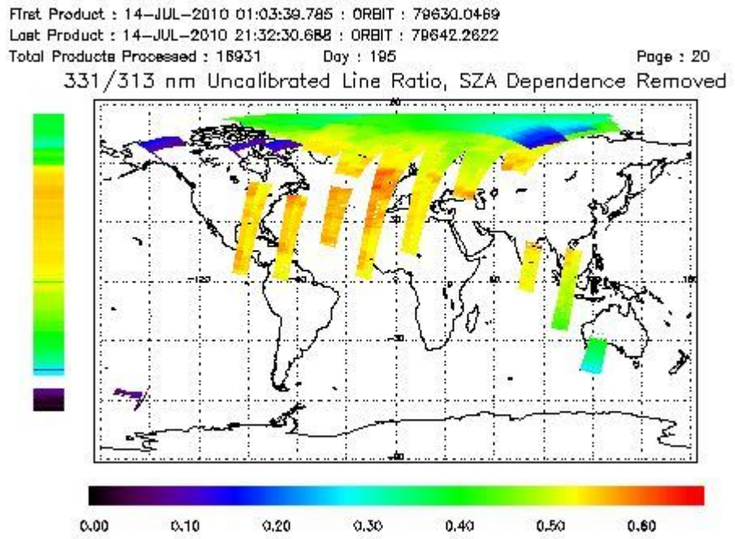
2.2 - Daily Plots

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

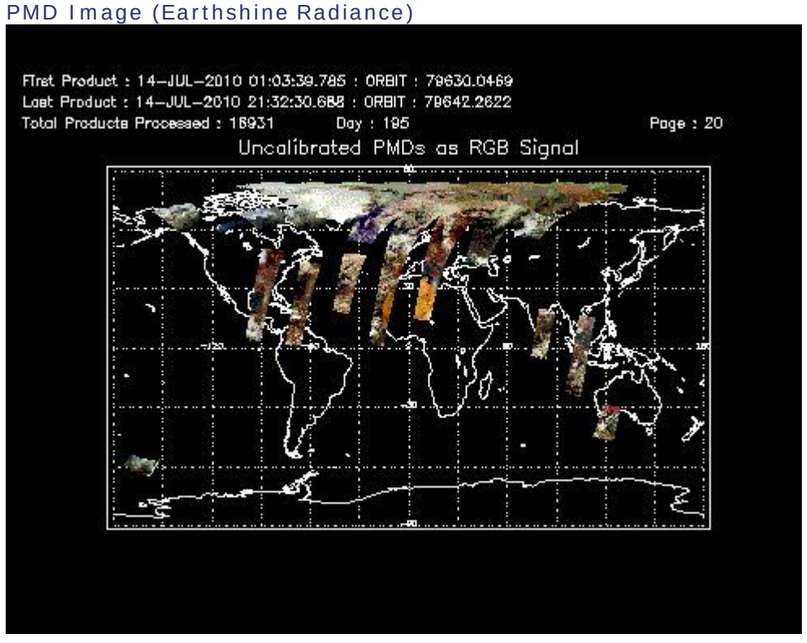
NEAR IR Intensity



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	19:41:57.015	--	79641	Yes	--	14479

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