GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	23-JUL-2009
Start Time of First Product	00:06:07
Stop Time of Last Product	23:46:19
Number of EGOI Products analysed	42
Number of corrupted products	2
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_090723BEEP0269.E2	23-JUL-2009	04:41:59.897
EGOI_090723GSEP5145.E2	23-JUL-2009	00:58:40.545
EGOI_090723GSEP5177.E2	23-JUL-2009	02:34:59.127
EGOI_090723GSEP5207.E2	23-JUL-2009	04:15:47.737
EGOI_090723GSEP5214.E2	23-JUL-2009	05:58:10.858
EGOI_090723HLEP2494.E2	23-JUL-2009	00:06:07.225
EGOI_090723HLEP2501.E2	23-JUL-2009	01:47:00.342
EGOI_090723HLEP2508.E2	23-JUL-2009	12:16:01.155
EGOI_090723HLEP2516.E2	23-JUL-2009	13:55:24.253

EGOI_090723HLEP2523.E2	23-JUL-2009	15:38:41.384
EGOI_090723HLEP2530.E2	23-JUL-2009	21:58:49.692
EGOI_090723HLEP2537.E2	23-JUL-2009	23:33:54.771
EGOI_090723KSEP8132.E2	23-JUL-2009	06:16:30.471
EGOI_090723KSEP8162.E2	23-JUL-2009	07:56:20.579
EGOI_090723KSEP8189.E2	23-JUL-2009	09:35:58.678
EGOI_090723KSEP8224.E2	23-JUL-2009	11:15:35.288
EGOI_090723KSEP8256.E2	23-JUL-2009	12:54:47.886
EGOI_090723KSEP8268.E2	23-JUL-2009	14:33:39.484
EGOI_090723KSEP8298.E2	23-JUL-2009	16:11:20.580
EGOI_090723KSEP8330.E2	23-JUL-2009	17:49:19.678
EGOI_090723KSEP8366.E2	23-JUL-2009	19:27:23.277
EGOI_090723KSEP8395.E2	23-JUL-2009	21:07:26.884
EGOI_090723KSEP8424.E2	23-JUL-2009	22:50:02.001
EGOI_090723MAEP2058.E2	23-JUL-2009	09:43:27.224
EGOI_090723MAEP2078.E2	23-JUL-2009	21:00:10.337
EGOI_090723MIEP4836.E2	23-JUL-2009	02:31:42.608
EGOI_090723MIEP4864.E2	23-JUL-2009	04:10:55.209
EGOI_090723MIEP4890.E2	23-JUL-2009	14:51:50.094
EGOI_090723MIEP4919.E2	23-JUL-2009	16:30:05.693
EGOI_090723MMEP6258.E2	23-JUL-2009	00:13:23.772
EGOI_090723MMEP6266.E2	23-JUL-2009	01:55:22.889
EGOI_090723MMEP6273.E2	23-JUL-2009	03:38:11.510
EGOI_090723MMEP6288.E2	23-JUL-2009	18:42:19.998
EGOI_090723MMEP6296.E2	23-JUL-2009	20:21:23.597
EGOI_090723MMEP6304.E2	23-JUL-2009	22:01:33.208
EGOI_090723MSEP1279.E2	23-JUL-2009	00:51:27.006
EGOI_090723MSEP1299.E2	23-JUL-2009	11:28:41.366
EGOI_090723MSEP1323.E2	23-JUL-2009	13:09:17.976
EGOI_090723MSEP1356.E2	23-JUL-2009	22:37:48.431
EGOI_090723SGEP8615.E2	23-JUL-2009	04:55:58.479
EGOI_090723SGEP8622.E2	23-JUL-2009	14:10:13.844
EGOI_090723SGEP8629.E2	23-JUL-2009	15:47:24.935

[BACK TO MENU]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	74537	23-JUL-2009	06:14:50.896	06:16:30.470	99.574000
KS	74538	23-JUL-2009	07:53:51.570	07:56:20.579	149.00900
KS	74539	23-JUL-2009	09:33:27.709	09:35:58.677	150.96800
KS	74540	23-JUL-2009	11:13:01.976	11:15:35.288	153.31200
KS	74541	23-JUL-2009	12:52:16.694	12:54:47.886	151.19200
KS	74542	23-JUL-2009	14:31:02.844	14:33:39.483	156.63900

KS	74543	23-JUL-2009	16:08:45.498	16:11:20.579	155.08100
KS	74544	23-JUL-2009	17:46:40.724	17:49:19.678	158.95400
KS	74545	23-JUL-2009	19:25:10.101	19:27:23.276	133.17500
KS	74546	23-JUL-2009	21:05:25.942	21:07:26.884	120.94200
KS	74547	23-JUL-2009	22:47:59.131	22:50:02.001	122.87000
GS	74534	23-JUL-2009	00:56:42.042	00:58:40.544	118.50200
GS	74535	23-JUL-2009	02:32:55.905	02:34:59.126	123.22100
GS	74536	23-JUL-2009	04:13:49.293	04:15:47.736	118.44300
MS	74534	23-JUL-2009	00:49:39.385	00:51:27.006	107.62100
MS	74540	23-JUL-2009	11:25:59.018	11:28:41.366	162.34800
MS	74541	23-JUL-2009	13:06:41.917	13:09:17.976	156.05900
MS	74547	23-JUL-2009	22:35:31.864	22:37:48.430	136.56600
MA	74539	23-JUL-2009	09:41:31.401	09:43:27.224	115.82300
MA	74546	23-JUL-2009	20:57:07.788	21:00:10.337	182.54900
MI	74535	23-JUL-2009	02:29:18.075	02:31:42.608	144.53300
MI	74536	23-JUL-2009	04:07:47.544	04:10:55.208	187.66400
MI	74542	23-JUL-2009	14:49:33.390	14:51:50.093	136.70300
MI	74543	23-JUL-2009	16:27:37.156	16:30:05.692	148.53600
MM	74533	23-JUL-2009	00:11:51.515	00:13:23.772	92.257000
MM	74534	23-JUL-2009	01:54:02.422	01:55:22.889	80.467000
MM	74535	23-JUL-2009	03:37:02.055	03:38:11.509	69.454000
MM	74544	23-JUL-2009	18:40:00.551	18:42:19.997	139.44600
MM	74545	23-JUL-2009	20:19:19.011	20:21:23.596	124.58500
MM	74546	23-JUL-2009	21:59:11.548	22:01:33.208	141.66000
BE	74536	23-JUL-2009	04:39:23.981	04:41:59.896	155.91500
SG	74536	23-JUL-2009	04:51:40.429	04:55:58.478	258.04900
SG	74541	23-JUL-2009	14:08:11.226	14:10:13.843	122.61700
SG	74542	23-JUL-2009	15:44:44.650	15:47:24.934	160.28400

[BACK TO MENU]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
BE	74535	23-JUL-2009	02:58:52.287	03:12:17.275	804.98800
SG	74535	23-JUL-2009	03:10:00.411	03:23:42.060	821.64900
CM	74535	23-JUL-2009	02:32:56.752	02:34:43.221	106.46900
MM	74536	23-JUL-2009	05:19:51.232	05:25:37.608	346.37600

CM	74536	23-JUL-2009	05:46:53.232	05:59:18.475	745.24300
MM	74537	23-JUL-2009	07:01:23.392	07:08:27.520	424.12800
JO	74537	23-JUL-2009	06:42:20.448	06:52:23.394	602.94600
MM	74538	23-JUL-2009	08:42:01.217	08:51:26.597	565.38000
MA	74538	23-JUL-2009	08:03:53.043	08:13:12.131	559.08800
JO	74538	23-JUL-2009	08:18:30.100	08:33:31.504	901.40400
MM	74539	23-JUL-2009	10:22:16.437	10:33:36.535	680.09800
JO	74539	23-JUL-2009	10:01:51.195	10:09:44.163	472.96800
MM	74540	23-JUL-2009	12:02:17.699	12:14:41.807	744.10800
MA	74540	23-JUL-2009	11:22:31.643	11:30:54.685	503.04200
MM	74541	23-JUL-2009	13:42:05.070	13:54:48.779	763.70900
BE	74542	23-JUL-2009	14:15:30.736	14:28:54.371	803.63500
MM	74542	23-JUL-2009	15:21:36.684	15:34:15.208	758.52400
GS	74542	23-JUL-2009	14:42:47.499	14:53:37.855	650.35600
BE	74543	23-JUL-2009	15:58:50.566	16:05:54.783	424.21700
MM	74543	23-JUL-2009	17:00:52.555	17:13:24.227	751.67200
GS	74543	23-JUL-2009	16:21:39.927	16:35:25.069	825.14200
CM	74543	23-JUL-2009	16:30:16.005	16:42:40.698	744.69300
GS	74544	23-JUL-2009	18:02:19.246	18:11:24.871	545.62500
JO	74544	23-JUL-2009	19:02:44.843	19:09:46.159	421.31600
MA	74545	23-JUL-2009	19:21:42.938	19:30:34.785	531.84700
JO	74545	23-JUL-2009	20:38:34.395	20:53:34.794	900.39900
JO	74546	23-JUL-2009	22:19:31.593	22:30:01.274	629.68100
MM	74547	23-JUL-2009	23:39:58.017	23:51:42.788	704.77100
MA	74547	23-JUL-2009	22:42:26.297	22:47:40.661	314.36400

[BACK TO MENU]

1.5 - List of corrupted products

Station	Orbit	Time
KS	74541	12:54:55.385
HL	74541	14:05:22.815

---

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK

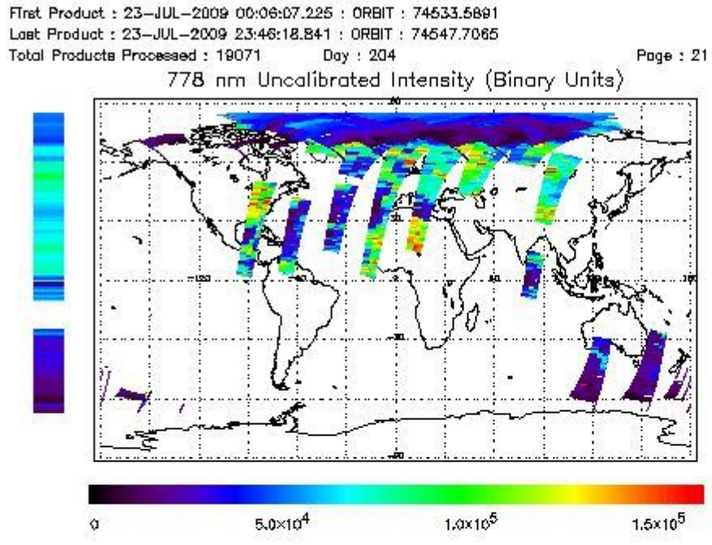
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	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

(1)

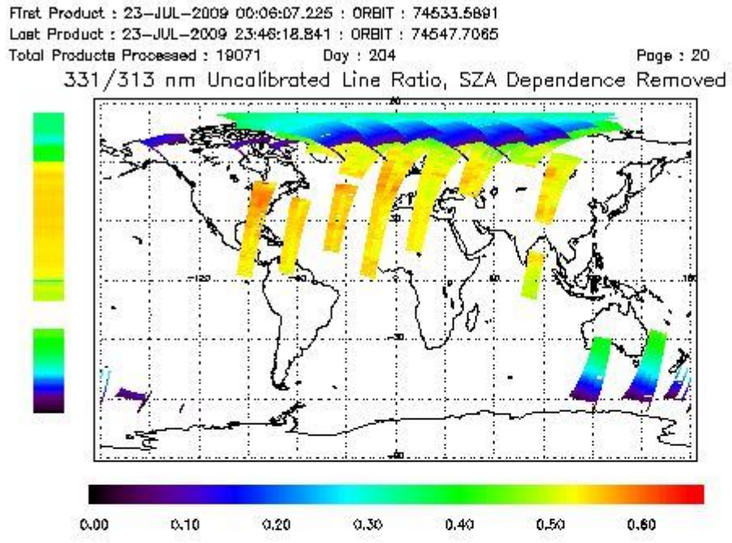
2.2 - Daily Plots

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

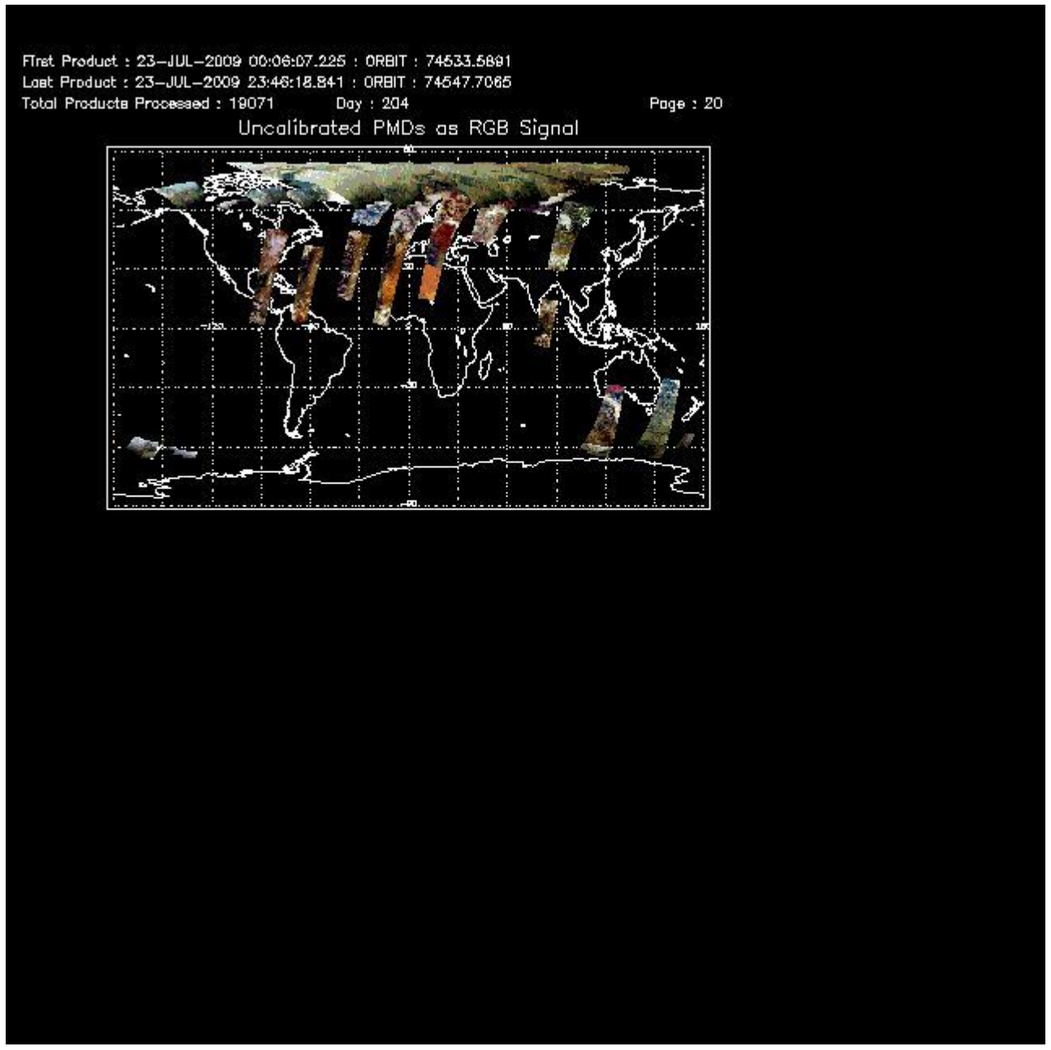
NEAR IR Intensity



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 (Y/NS/NE)	Warm Detector Temperature (TST/44)	Max PMD Readout during solar calibration (BU set 2/12)
D	19:31:42.800	--	74545	Y	--	14715

(2)(3)

3.2 - Lamp Calibration (Quarterly/TST44)

Quarterly(Q)/TST44(T)	Start Time	End Time	Orbit	Ground Station Visibility (Y/NS/NE)	Warm Detector Temperature (TST/44)	Lamp Instability Voltage (if any)(V)	Lamp Failure N. (if any)
--	--	--	--	--	--	--	--

(2)(3)

[BACK TO MENU]

4 - Instrument Anomalies

4.1 - Single Event Upset (SEU)

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility (Y/NS/NE)
--	--	--	--	--

(2)

4.2 - Instrument Off

Start Time	End Time	Start Orbit	End Orbit	MPS Resumption	Ground Station Visibility (Y/NS/NE)
--	--	--	--	--	--

(2)

4.3 - Cooler Switchings

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility (Y/NS/NE)	Max Temp. Ch 1	Max Temp. Ch 2	Max Temp. Ch 3	Max Temp. Ch 4
--	--	--	--	--	--	--	--	--

(2)

[BACK TO MENU]

---

5 - Instrument Operations

5.1 - Timeline Interruptions

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility (Y/NS/NE)
--	--	--	--	--

(2)

5.2 - TST44

Start Time	Start Orbit	Ground Station Visibility (Y/NS/NE)
--	--	--

(2)

5.3 - Power Cycle

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility (Y/NS/NE)
--	--	--	--	--

(2)

5.4 - Wrong Command Execution

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility (Y/NS/NE)
--	--	--	--	--

(2)

5.5 - Narrow Swath Timeline

Start Time	End Time	Start Orbit	End Orbit
--	--	--	--

5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
--	--	--	--

[BACK TO MENU]

Legend:
(1) The Instrument Indicators field has the values: OK or NOK (Not OK)
(2) The Ground Station Visibility field has the values: Y (in case of visibility); NS (No Start); NE (No End). This occurs since the failure of the on-board recorder (2003)
(3) 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