GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	22-JUL-2009
Start Time of First Product	23:55:45 (21-JUL)
Stop Time of Last Product	23:22:34
Number of EGOI Products analysed	44
Number of corrupted products	1
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_090722BEEP0257.E2	22-JUL-2009	01:54:12.669
EGOI_090722BEEP0263.E2	22-JUL-2009	03:33:47.771
EGOI_090722GSEP5064.E2	22-JUL-2009	01:28:33.509
EGOI_090722GSEP5089.E2	22-JUL-2009	03:06:23.603
EGOI_090722GSEP5116.E2	22-JUL-2009	04:48:46.720
EGOI_090722GSEP5122.E2	22-JUL-2009	06:30:33.833
EGOI_090722HLEP2469.E2	22-JUL-2009	00:36:21.196
EGOI_090722HLEP2477.E2	22-JUL-2009	02:22:54.841
EGOI_090722HLEP2485.E2	22-JUL-2009	22:27:59.129

EGOI_090722KSEP7851.E2	21-JUL-2009	23:55:44.946
EGOI_090722KSEP7868.E2	22-JUL-2009	06:47:41.439
EGOI_090722KSEP7890.E2	22-JUL-2009	08:27:37.544
EGOI_090722KSEP7913.E2	22-JUL-2009	10:07:17.150
EGOI_090722KSEP7938.E2	22-JUL-2009	11:46:52.251
EGOI_090722KSEP7958.E2	22-JUL-2009	13:25:51.349
EGOI_090722KSEP7969.E2	22-JUL-2009	15:04:33.947
EGOI_090722KSEP7988.E2	22-JUL-2009	16:42:06.042
EGOI_090722KSEP8020.E2	22-JUL-2009	18:20:06.632
EGOI_090722KSEP8056.E2	22-JUL-2009	19:58:40.227
EGOI_090722KSEP8082.E2	22-JUL-2009	21:39:31.836
EGOI_090722KSEP8110.E2	22-JUL-2009	23:22:35.467
EGOI_090722MAEP2013.E2	22-JUL-2009	08:36:19.595
EGOI_090722MAEP2028.E2	22-JUL-2009	10:14:42.697
EGOI_090722MAEP2045.E2	22-JUL-2009	21:31:39.294
EGOI_090722MIEP4738.E2	22-JUL-2009	03:01:56.575
EGOI_090722MIEP4759.E2	22-JUL-2009	04:42:37.681
EGOI_090722MIEP4783.E2	22-JUL-2009	15:22:10.052
EGOI_090722MIEP4810.E2	22-JUL-2009	17:01:52.655
EGOI_090722MMEP6197.E2	22-JUL-2009	00:45:21.251
EGOI_090722MMEP6202.E2	22-JUL-2009	02:27:36.872
EGOI_090722MMEP6209.E2	22-JUL-2009	04:10:17.985
EGOI_090722MMEP6217.E2	22-JUL-2009	05:52:42.610
EGOI_090722MMEP6227.E2	22-JUL-2009	10:55:14.442
EGOI_090722MMEP6234.E2	22-JUL-2009	12:35:13.545
EGOI_090722MMEP6241.E2	22-JUL-2009	14:22:26.193
EGOI_090722MMEP6248.E2	22-JUL-2009	17:39:22.882
EGOI_090722MSEP1166.E2	22-JUL-2009	10:22:02.240
EGOI_090722MSEP1195.E2	22-JUL-2009	11:59:46.326
EGOI_090722MSEP1208.E2	22-JUL-2009	13:42:21.451
EGOI_090722MSEP1225.E2	22-JUL-2009	21:32:30.301
EGOI_090722MSEP1257.E2	22-JUL-2009	23:08:51.881
EGOI_090722SGEP8592.E2	22-JUL-2009	03:43:17.825
EGOI_090722SGEP8599.E2	22-JUL-2009	14:49:29.353
EGOI_090722SGEP8606.E2	22-JUL-2009	16:27:11.952

[BACK TO MENU]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	74519	21-JUL-2009	23:54:12.978	23:55:44.946	91.968000
KS	74523	22-JUL-2009	06:45:47.762	06:47:41.439	113.67700
KS	74524	22-JUL-2009	08:25:08.748	08:27:37.544	148.79600
KS	74525	22-JUL-2009	10:04:46.382	10:07:17.149	150.76700

KS	74526	22-JUL-2009	11:44:16.441	11:46:52.251	155.81000
KS	74527	22-JUL-2009	13:23:21.042	13:25:51.349	150.30700
KS	74528	22-JUL-2009	15:01:53.273	15:04:33.947	160.67400
KS	74529	22-JUL-2009	16:39:29.826	16:42:06.041	156.21500
KS	74530	22-JUL-2009	18:17:23.791	18:20:06.631	162.84000
KS	74531	22-JUL-2009	19:56:28.502	19:58:40.227	131.72500
KS	74532	22-JUL-2009	21:37:22.778	21:39:31.836	129.05800
GS	74520	22-JUL-2009	01:26:24.285	01:28:33.508	129.22300
GS	74521	22-JUL-2009	03:04:06.642	03:06:23.603	136.96100
GS	74522	22-JUL-2009	04:46:55.599	04:48:46.720	111.12100
MS	74525	22-JUL-2009	10:19:26.527	10:22:02.239	155.71200
MS	74526	22-JUL-2009	11:57:09.627	11:59:46.325	156.69800
MS	74533	22-JUL-2009	23:06:23.805	23:08:51.880	148.07500
MA	74524	22-JUL-2009	08:33:56.120	08:36:19.595	143.47500
MA	74525	22-JUL-2009	10:12:51.137	10:14:42.696	111.55900
MA	74532	22-JUL-2009	21:28:58.310	21:31:39.293	160.98300
MI	74521	22-JUL-2009	02:59:31.184	03:01:56.575	145.39100
MI	74521	22-JUL-2009	03:02:11.574	03:12:26.845	615.27100
MI	74522	22-JUL-2009	04:40:18.294	04:42:37.680	139.38600
MI	74528	22-JUL-2009	15:19:45.349	15:22:10.052	144.70300
MI	74529	22-JUL-2009	16:59:25.608	17:01:52.655	147.04700
MM	74519	22-JUL-2009	00:43:51.556	00:45:21.250	89.694000
MM	74520	22-JUL-2009	02:26:21.074	02:27:36.871	75.797000
MM	74525	22-JUL-2009	10:53:43.972	10:55:14.441	90.469000
MM	74526	22-JUL-2009	12:33:41.023	12:35:13.545	92.522000
MM	74527	22-JUL-2009	14:13:23.642	14:22:26.193	542.55100
MM	74527	22-JUL-2009	14:22:30.692	14:26:07.266	216.57400
MM	74529	22-JUL-2009	17:32:02.111	17:39:22.881	440.77000
MM	74529	22-JUL-2009	17:39:45.385	17:44:33.837	288.45200
BE	74520	22-JUL-2009	01:51:29.315	01:54:12.668	163.35300
BE	74521	22-JUL-2009	03:30:11.453	03:33:47.770	216.31700
SG	74521	22-JUL-2009	03:41:07.598	03:43:17.825	130.22700
SG	74521	22-JUL-2009	03:50:58.370	03:54:53.506	235.13600

[BACK TO MENU]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
SG	74520	22-JUL-2009	02:05:04.773	02:12:46.615	461.84200
CM	74521	22-JUL-2009	03:00:07.112	03:09:18.137	551.02500
CM	74522	22-JUL-2009	06:18:27.338	06:30:09.919	702.58100
MM	74523	22-JUL-2009	07:33:04.715	07:40:52.396	467.68100
JO	74523	22-JUL-2009	07:11:43.853	07:24:42.469	778.61600
MM	74524	22-JUL-2009	09:13:33.450	09:23:39.803	606.35300
JO	74524	22-JUL-2009	08:50:02.296	09:04:29.541	867.24500
HO	74525	22-JUL-2009	11:05:10.970	11:13:57.525	526.55500
HO	74526	22-JUL-2009	12:42:26.070	12:57:09.792	883.72200
MA	74526	22-JUL-2009	11:55:05.035	11:59:33.744	268.70900
HO	74527	22-JUL-2009	14:22:22.822	14:34:55.515	752.69300
BE	74528	22-JUL-2009	14:47:07.888	14:59:56.523	768.63500
MM	74528	22-JUL-2009	15:52:50.070	16:05:25.669	755.59900
GS	74528	22-JUL-2009	15:13:37.424	15:26:57.034	799.61000
CM	74528	22-JUL-2009	15:23:40.965	15:32:56.104	555.13900
GS	74529	22-JUL-2009	16:53:05.869	17:06:06.502	780.63300
CM	74529	22-JUL-2009	17:01:46.928	17:13:23.497	696.56900
MM	74530	22-JUL-2009	19:11:10.969	19:23:49.759	758.79000
JO	74530	22-JUL-2009	19:31:47.022	19:43:41.442	714.42000
MM	74531	22-JUL-2009	20:50:37.633	21:03:21.356	763.72300
MA	74531	22-JUL-2009	19:49:48.547	20:02:37.440	768.89300
JO	74531	22-JUL-2009	21:09:51.556	21:24:36.545	884.98900
MM	74532	22-JUL-2009	22:30:45.320	22:43:08.911	743.59100
KS	74533	22-JUL-2009	23:20:51.560	23:29:22.827	511.26700

[BACK TO MENU]

1.5 - List of corrupted products

Station	Orbit	Time
SG	74521	03:43:17.825

---

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

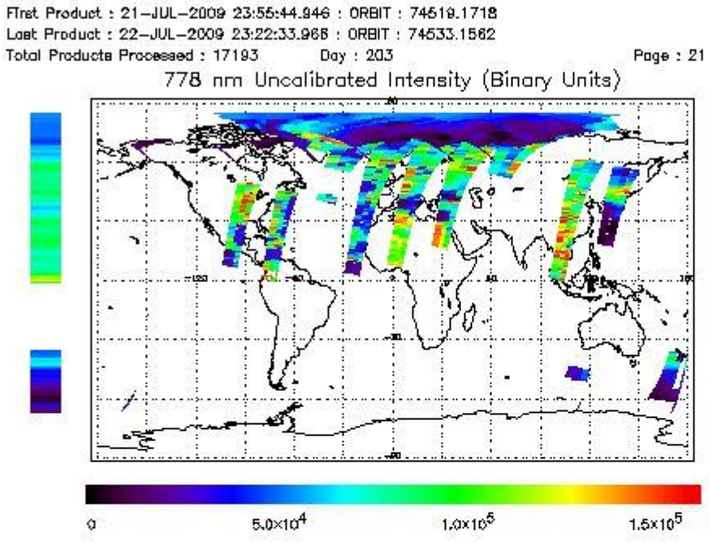
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	OK
Polarization Detectors	OK
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)

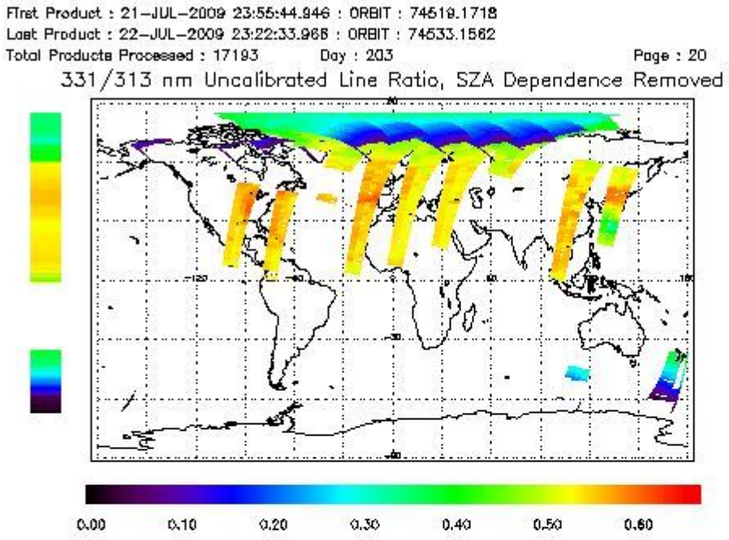
2.2 - Daily Plots

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

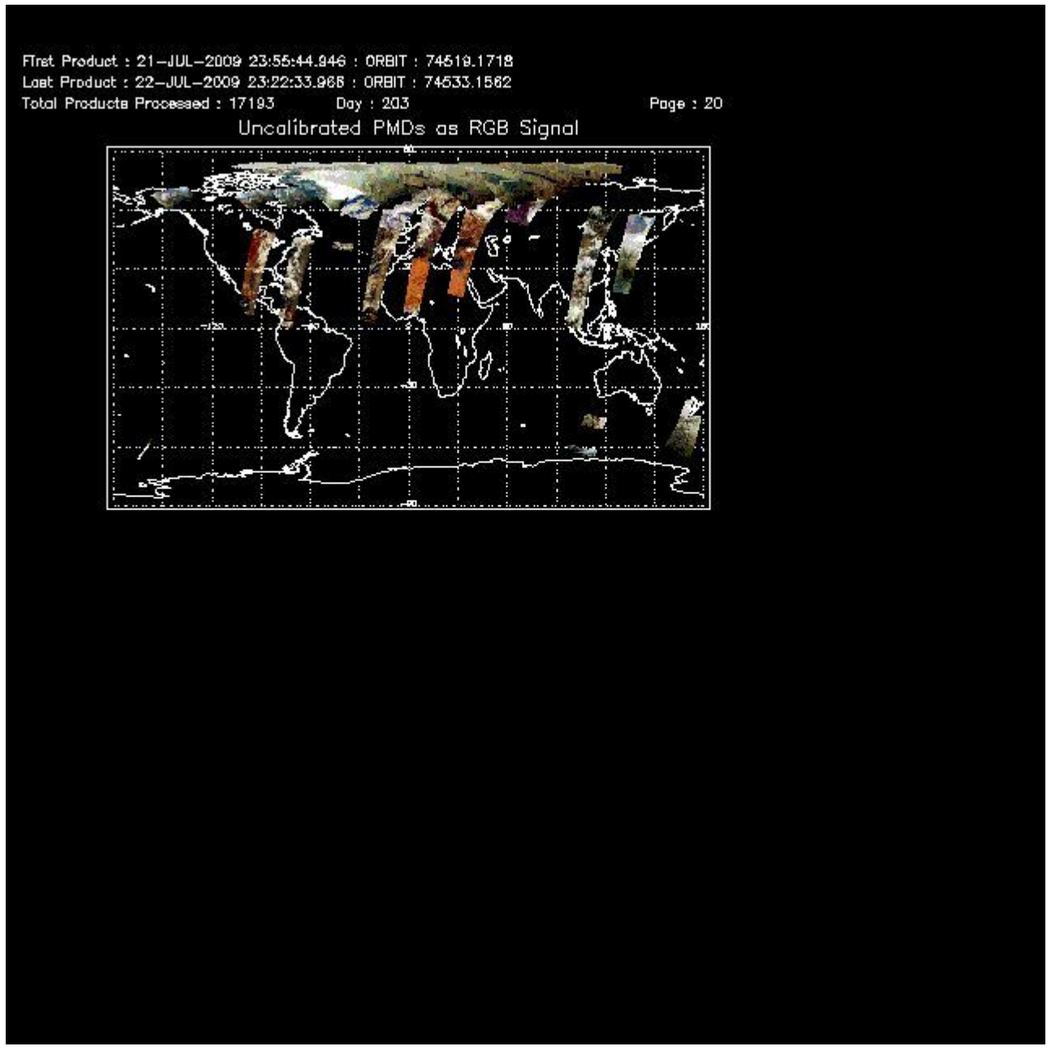
NEAR IR Intensity



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	20:03:16.250	--	74531	Y	--	14634

(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