GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	08-JUL-2010
Start Time of First Product	00:12:32
Stop Time of Last Product	23:45:38
Number of EGOI Products analysed	--
Number of corrupted products	3
Anomalies and/or Special Operations	GOME Timeline interrupted due to payload synchronisation (ERS-2 Unavailability 2010021)

1.2 - List of received products

Name	Date	Time
EGOI_100708HLEP5816.E2	08-JUL-2010	12:15:15.208
EGOI_100708HLEP5824.E2	08-JUL-2010	13:53:47.311
EGOI_100708HLEP5833.E2	08-JUL-2010	15:36:58.440
EGOI_100708HLEP5840.E2	08-JUL-2010	21:55:38.244
EGOI_100708HLEP5846.E2	08-JUL-2010	23:31:20.829
EGOI_100708KSEP9372.E2	08-JUL-2010	06:15:38.514
EGOI_100708KSEP9385.E2	08-JUL-2010	07:55:30.127
EGOI_100708KSEP9398.E2	08-JUL-2010	09:38:03.754
EGOI_100708KSEP9427.E2	08-JUL-2010	11:14:43.345

EGOI_100708KSEP9456.E2	08-JUL-2010	12:54:24.447
EGOI_100708KSEP9466.E2	08-JUL-2010	14:32:47.549
EGOI_100708KSEP9492.E2	08-JUL-2010	16:10:28.639
EGOI_100708KSEP9514.E2	08-JUL-2010	17:48:29.243
EGOI_100708KSEP9545.E2	08-JUL-2010	19:26:28.337
EGOI_100708KSEP9566.E2	08-JUL-2010	21:06:37.947
EGOI_100708KSEP9592.E2	08-JUL-2010	22:49:13.070
EGOI_100708MAEP4237.E2	08-JUL-2010	09:42:47.281
EGOI_100708MAEP4254.E2	08-JUL-2010	20:59:10.900
EGOI_100708MIEP5695.E2	08-JUL-2010	02:30:49.155
EGOI_100708MIEP5722.E2	08-JUL-2010	04:10:03.252
EGOI_100708MIEP5745.E2	08-JUL-2010	14:51:01.159
EGOI_100708MIEP5759.E2	08-JUL-2010	16:29:07.753
EGOI_100708MMEP0951.E2	08-JUL-2010	00:12:31.810
EGOI_100708MMEP0957.E2	08-JUL-2010	01:54:30.932
EGOI_100708MMEP0965.E2	08-JUL-2010	08:42:30.414
EGOI_100708MMEP0972.E2	08-JUL-2010	10:22:58.024
EGOI_100708MMEP0981.E2	08-JUL-2010	13:42:45.741
EGOI_100708MMEP0988.E2	08-JUL-2010	15:22:16.347
EGOI_100708MMEP0993.E2	08-JUL-2010	17:02:01.956
EGOI_100708MMEP1002.E2	08-JUL-2010	18:41:26.560
EGOI_100708MSEP1595.E2	08-JUL-2010	00:50:36.545
EGOI_100708MSEP1616.E2	08-JUL-2010	11:27:49.423
EGOI_100708MSEP1640.E2	08-JUL-2010	13:08:30.534
EGOI_100708MSEP1673.E2	08-JUL-2010	22:36:57.999
EGOI_100708SGEP6899.E2	08-JUL-2010	03:22:40.467
EGOI_100708SGEP6905.E2	08-JUL-2010	04:57:29.038
EGOI_100708SGEP6911.E2	08-JUL-2010	14:09:12.905
EGOI_100708SGEP6918.E2	08-JUL-2010	15:46:34.495

[BACK TO MENU]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	79548	08-JUL-2010	07:53:51.571	07:55:30.126	98.555000
KS	79549	08-JUL-2010	09:33:27.710	09:38:03.754	276.04400
KS	79550	08-JUL-2010	11:13:01.978	11:14:43.344	101.36600
KS	79551	08-JUL-2010	12:52:16.696	12:54:24.447	127.75100
KS	79552	08-JUL-2010	14:31:02.846	14:32:47.549	104.70300
KS	79553	08-JUL-2010	16:08:45.499	16:10:28.639	103.14000
KS	79554	08-JUL-2010	17:46:40.725	17:48:29.242	108.51700
KS	79555	08-JUL-2010	19:25:10.102	19:26:28.337	78.235000
KS	79556	08-JUL-2010	21:05:25.943	21:06:37.947	72.004000

KS	79557	08-JUL-2010	22:47:59.133	22:49:13.070	73.937000
MS	79550	08-JUL-2010	11:25:59.020	11:27:49.423	110.40300
MS	79551	08-JUL-2010	13:06:41.919	13:08:30.534	108.61500
MS	79557	08-JUL-2010	22:35:31.866	22:36:57.999	86.133000
MA	79549	08-JUL-2010	09:41:31.402	09:42:47.280	75.878000
MA	79556	08-JUL-2010	20:57:07.789	20:59:10.900	123.11100
MI	79545	08-JUL-2010	02:29:18.077	02:30:49.154	91.077000
MI	79546	08-JUL-2010	04:07:47.545	04:10:03.251	135.70600
MI	79552	08-JUL-2010	14:49:33.392	14:51:01.159	87.767000
MI	79553	08-JUL-2010	16:27:37.157	16:29:07.753	90.596000
MM	79553	08-JUL-2010	17:00:52.556	17:02:01.955	69.399000
MM	79554	08-JUL-2010	18:40:00.552	18:41:26.559	86.007000
SG	79545	08-JUL-2010	03:10:00.413	03:22:40.466	760.05300
SG	79546	08-JUL-2010	04:51:40.430	04:57:29.037	348.60700
SG	79551	08-JUL-2010	14:08:11.228	14:09:12.905	61.677000
SG	79552	08-JUL-2010	15:44:44.652	15:46:34.494	109.84200

[BACK TO MENU]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	79543	08-JUL-2010	00:00:48.431	00:15:19.938	871.50700
HO	79544	08-JUL-2010	01:42:37.568	01:53:25.087	647.51900
GS	79544	08-JUL-2010	00:56:42.044	01:06:11.254	569.21000
BE	79545	08-JUL-2010	02:58:52.289	03:12:17.277	804.98800
MM	79545	08-JUL-2010	03:37:02.057	03:44:04.447	422.39000
GS	79545	08-JUL-2010	02:32:55.907	02:46:44.693	828.78600
CM	79545	08-JUL-2010	02:32:56.754	02:34:43.223	106.46900
BE	79546	08-JUL-2010	04:39:23.982	04:49:05.692	581.71000
MM	79546	08-JUL-2010	05:19:51.233	05:25:37.609	346.37600
GS	79546	08-JUL-2010	04:13:49.294	04:25:30.764	701.47000
CM	79546	08-JUL-2010	05:46:53.233	05:59:18.476	745.24300
MM	79547	08-JUL-2010	07:01:23.393	07:08:27.521	424.12800
JO	79547	08-JUL-2010	06:42:20.449	06:52:23.395	602.94600
MA	79548	08-JUL-2010	08:03:53.044	08:13:12.132	559.08800
JO	79548	08-JUL-2010	08:18:30.101	08:33:31.505	901.40400
JO	79549	08-JUL-2010	10:01:51.196	10:09:44.164	472.96800

HO	79550	08-JUL-2010	12:11:28.340	12:25:18.454	830.11400
MM	79550	08-JUL-2010	12:02:17.701	12:14:41.809	744.10800
MA	79550	08-JUL-2010	11:22:31.645	11:30:54.687	503.04200
HO	79551	08-JUL-2010	13:50:40.344	14:04:56.819	856.47500
SG	79551	08-JUL-2010	14:08:11.228	14:16:52.184	520.95600
BE	79552	08-JUL-2010	14:15:30.738	14:28:54.373	803.63500
GS	79552	08-JUL-2010	14:42:47.501	14:53:37.857	650.35600
BE	79553	08-JUL-2010	15:58:50.567	16:05:54.784	424.21700
GS	79553	08-JUL-2010	16:21:39.928	16:35:25.070	825.14200
CM	79553	08-JUL-2010	16:30:16.006	16:42:40.699	744.69300
GS	79554	08-JUL-2010	18:02:19.247	18:11:24.872	545.62500
JO	79554	08-JUL-2010	19:02:44.844	19:09:46.160	421.31600
MM	79555	08-JUL-2010	20:19:19.012	20:32:02.760	763.74800
MA	79555	08-JUL-2010	19:21:42.939	19:30:34.786	531.84700
JO	79555	08-JUL-2010	20:38:34.396	20:53:34.795	900.39900
HO	79556	08-JUL-2010	21:54:05.965	22:03:28.730	562.76500
MM	79556	08-JUL-2010	21:59:11.549	22:11:45.527	753.97800
JO	79556	08-JUL-2010	22:19:31.594	22:30:01.275	629.68100
HO	79557	08-JUL-2010	23:29:43.054	23:44:02.553	859.49900
MM	79557	08-JUL-2010	23:39:58.019	23:51:42.790	704.77100
MA	79557	08-JUL-2010	22:42:26.299	22:47:40.663	314.36400

[BACK TO MENU]

1.5 - List of corrupted products

Station	Orbit	Time

---

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

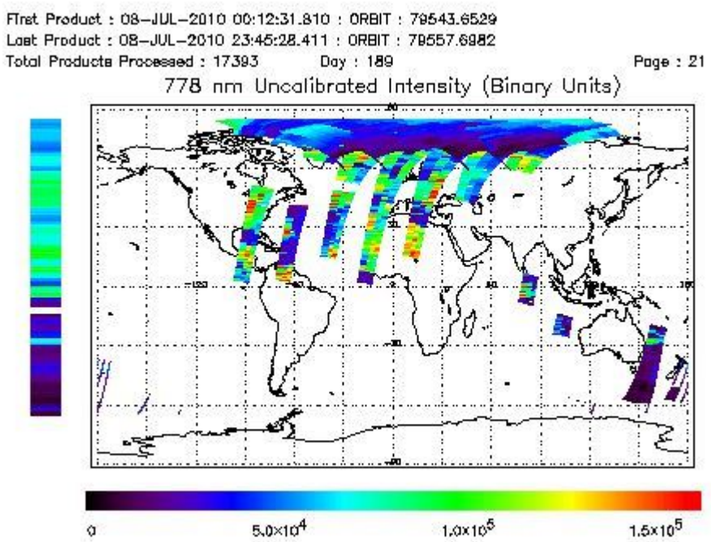
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK

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

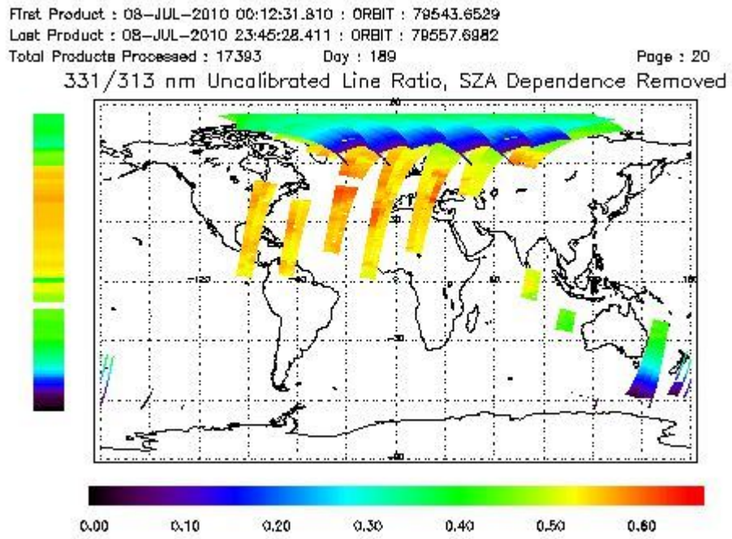
2.2 - Daily Plots

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

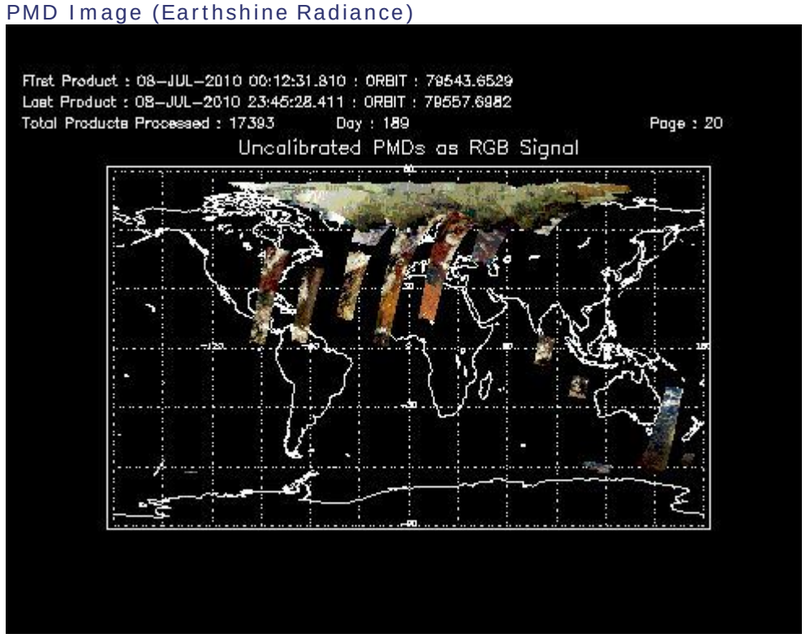
NEAR IR Intensity



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	9:30:08.856	--	79555	Yes	--	14316

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)
--	--	--	--	--	--	--	--

(1)

[BACK TO MENU]

4 - Instrument Anomalies

4.1 - Single Event Upset (SEU)

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

4.2 - Instrument Off

Start Time	End Time	Start Orbit	End Orbit	MPS Resumption	Ground Station Visibility
--	--	--	--	--	--

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
--	--	--	--	--	--	--	--	--

[BACK TO MENU]

5 - Instrument Operations

Additional Info

5.1 - Timeline Interruptions

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
10:05:55	10:59:25	79549	79550	--

5.2 - TST44

Start Time	Start Orbit	Ground Station Visibility
--	--	Yes

5.3 - Power Cycle

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

5.4 - Wrong Command Execution

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

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]

(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