GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	22-JUL-2010
Start Time of First Product	00:08:36
Stop Time of Last Product	22:20:59
Number of EGOI Products analysed	22
Number of corrupted products	--
Anomalies and/or Special Operations	GOME Unavailable from 20:56:14 to 21:20:36 (start/end outside gs visibility) due to RA anomaly (ref. ERS-2 Unav. Rep. 2010/026)

1.2 - List of received products

Name	Date	Time
EGOI_100722HLEP6191.E2	22-JUL-2010	01:15:19.632
EGOI_100722HLEP6194.E2	22-JUL-2010	11:34:02.390
EGOI_100722HLEP6202.E2	22-JUL-2010	13:12:37.492
EGOI_100722HLEP6212.E2	22-JUL-2010	14:59:59.144
EGOI_100722HLEP6218.E2	22-JUL-2010	22:52:33.515
EGOI_100722KSEP1970.E2	22-JUL-2010	07:17:29.332
EGOI_100722KSEP1988.E2	22-JUL-2010	08:55:22.425
EGOI_100722KSEP2009.E2	22-JUL-2010	10:35:02.031
EGOI_100722KSEP2036.E2	22-JUL-2010	12:14:26.636

EGOI_100722KSEP2064.E2	22-JUL-2010	13:53:24.238
EGOI_100722KSEP2088.E2	22-JUL-2010	15:31:44.339
EGOI_100722KSEP2116.E2	22-JUL-2010	17:09:13.429
EGOI_100722KSEP2145.E2	22-JUL-2010	18:47:15.531
EGOI_100722KSEP2175.E2	22-JUL-2010	20:26:25.129
EGOI_100722KSEP2203.E2	22-JUL-2010	22:07:57.246
EGOI_100722MAEP4782.E2	22-JUL-2010	09:02:58.472
EGOI_100722MAEP4793.E2	22-JUL-2010	10:42:33.578
EGOI_100722MIEP6924.E2	22-JUL-2010	01:53:55.868
EGOI_100722MIEP6945.E2	22-JUL-2010	03:31:02.458
EGOI_100722MIEP6964.E2	22-JUL-2010	05:12:48.075
EGOI_100722MIEP6980.E2	22-JUL-2010	15:49:24.945
EGOI_100722MIEP7001.E2	22-JUL-2010	17:30:33.058
EGOI_100722MMEP1758.E2	22-JUL-2010	01:13:46.628
EGOI_100722MMEP1765.E2	22-JUL-2010	02:56:15.751
EGOI_100722MMEP1775.E2	22-JUL-2010	08:02:22.105
EGOI_100722MMEP1781.E2	22-JUL-2010	09:43:00.218
EGOI_100722MMEP1789.E2	22-JUL-2010	11:23:02.324
EGOI_100722MMEP1797.E2	22-JUL-2010	13:03:04.433
EGOI_100722MMEP1806.E2	22-JUL-2010	14:42:42.539
EGOI_100722MMEP1812.E2	22-JUL-2010	16:22:19.144
EGOI_100722MMEP1817.E2	22-JUL-2010	19:40:59.351
EGOI_100722MMEP1826.E2	22-JUL-2010	21:20:35.961
EGOI_100722MSEP3230.E2	22-JUL-2010	00:08:35.730
EGOI_100722MSEP3253.E2	22-JUL-2010	10:48:44.117
EGOI_100722MSEP3281.E2	22-JUL-2010	12:27:47.718
EGOI_100722MSEP3311.E2	22-JUL-2010	21:58:33.191

[BACK TO MENU]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	79748	22-JUL-2010	07:14:06.287	07:17:29.331	203.04400
KS	79749	22-JUL-2010	08:53:36.393	08:55:22.424	106.03100
KS	79750	22-JUL-2010	10:33:13.622	10:35:02.031	108.40900
KS	79751	22-JUL-2010	12:12:38.363	12:14:26.636	108.27300
KS	79752	22-JUL-2010	13:51:32.989	13:53:24.238	111.24900
KS	79753	22-JUL-2010	15:29:40.273	15:31:44.339	124.06600
KS	79754	22-JUL-2010	17:07:22.242	17:09:13.428	111.18600
KS	79755	22-JUL-2010	18:45:33.288	18:47:15.530	102.24200
KS	79756	22-JUL-2010	20:25:05.507	20:26:25.129	79.622000
KS	79757	22-JUL-2010	22:06:38.174	22:07:57.245	79.071000
MS	79744	22-JUL-2010	00:07:04.285	00:08:35.730	91.445000

MS	79750	22-JUL-2010	10:46:51.041	10:48:44.117	113.07600
MS	79751	22-JUL-2010	12:25:52.585	12:27:47.718	115.13300
MS	79757	22-JUL-2010	21:57:13.106	21:58:33.191	80.085000
MA	79750	22-JUL-2010	10:41:16.589	10:42:33.577	76.988000
MI	79745	22-JUL-2010	01:52:29.211	01:53:55.868	86.657000
MI	79746	22-JUL-2010	03:27:35.616	03:31:02.458	206.84200
MI	79747	22-JUL-2010	05:11:27.399	05:12:48.074	80.675000
MI	79753	22-JUL-2010	15:47:46.656	15:49:24.945	98.289000
MI	79753	22-JUL-2010	15:57:30.990	16:01:05.984	214.99400
MI	79754	22-JUL-2010	17:28:57.439	17:30:33.058	95.619000
MM	79753	22-JUL-2010	16:21:11.840	16:22:19.144	67.304000
MM	79755	22-JUL-2010	19:39:32.858	19:40:59.350	86.492000
MM	79756	22-JUL-2010	21:19:09.015	21:20:35.961	86.946000

[BACK TO MENU]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	79744	22-JUL-2010	01:01:10.967	01:14:35.848	804.88100
KS	79744	22-JUL-2010	00:25:42.626	00:27:23.582	100.95600
BE	79745	22-JUL-2010	02:19:21.777	02:32:03.907	762.13000
GS	79745	22-JUL-2010	01:53:51.977	02:06:44.493	772.51600
SG	79745	22-JUL-2010	02:31:24.674	02:43:00.806	696.13200
BE	79746	22-JUL-2010	03:58:51.493	04:11:03.558	732.06500
MM	79746	22-JUL-2010	04:38:50.571	04:44:50.584	360.01300
GS	79746	22-JUL-2010	03:32:50.704	03:46:16.915	806.21100
SG	79746	22-JUL-2010	04:09:58.003	04:22:40.275	762.27200
CM	79746	22-JUL-2010	03:27:10.197	03:38:37.226	687.02900
CM	79746	22-JUL-2010	05:07:20.386	05:16:57.326	576.94000
MM	79747	22-JUL-2010	06:20:55.813	06:27:13.443	377.63000
JO	79748	22-JUL-2010	07:39:11.657	07:53:35.768	864.11100
JO	79749	22-JUL-2010	09:19:17.253	09:32:14.263	777.01000
HO	79752	22-JUL-2010	14:51:19.938	15:01:02.251	582.31300
GS	79752	22-JUL-2010	14:04:17.489	14:12:37.034	499.54500
SG	79752	22-JUL-2010	15:05:07.370	15:18:43.647	816.27700
BE	79753	22-JUL-2010	15:16:24.769	15:27:51.535	686.76600
GS	79753	22-JUL-2010	15:41:52.422	15:55:44.411	831.98900

SG	79753	22-JUL-2010	16:46:30.210	16:55:31.985	541.77500
CM	79753	22-JUL-2010	15:50:58.362	16:02:31.733	693.37100
MM	79754	22-JUL-2010	18:00:21.344	18:12:54.211	752.86700
GS	79754	22-JUL-2010	17:21:48.513	17:33:37.440	708.92700
CM	79754	22-JUL-2010	17:31:01.013	17:40:32.877	571.86400
MA	79755	22-JUL-2010	18:44:46.007	18:48:51.800	245.79300
JO	79755	22-JUL-2010	19:59:17.786	20:13:14.488	836.70200
MA	79756	22-JUL-2010	20:17:34.839	20:31:22.266	827.42700
JO	79756	22-JUL-2010	21:38:36.360	21:52:18.394	822.03400
HO	79757	22-JUL-2010	22:50:51.277	23:04:01.985	790.70800
MM	79757	22-JUL-2010	22:59:32.007	23:11:42.269	730.26200
MA	79757	22-JUL-2010	21:58:48.610	22:09:54.420	665.81000
MS	79758	22-JUL-2010	23:34:58.679	23:48:05.263	786.58400

[BACK TO MENU]

1.5 - List of corrupted products

Station	Orbit	Time

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

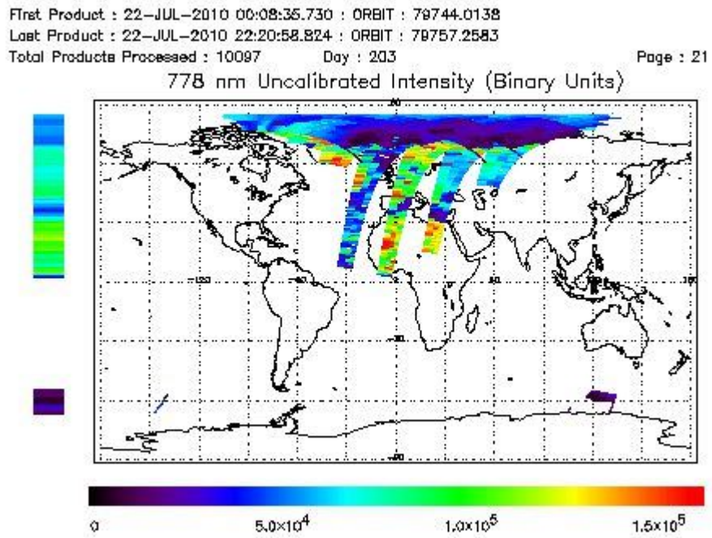
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

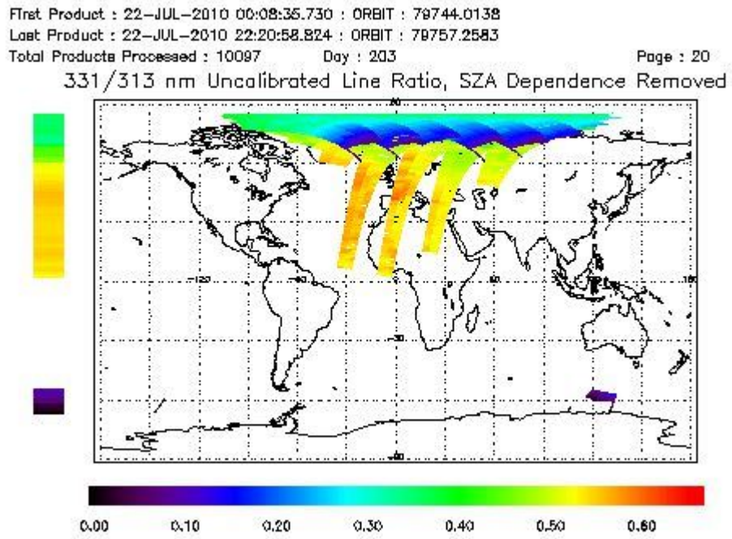
2.2 - Daily Plots

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

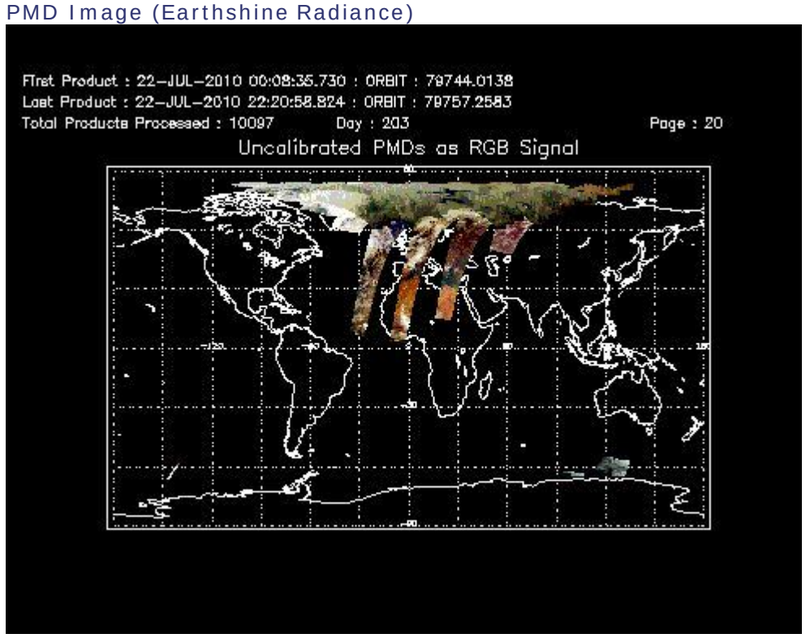
NEAR IR Intensity



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	18:50:39.546	--	79755	Yes	--	14620

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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[BACK TO MENU]

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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[BACK TO MENU]

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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[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