GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	10-JUL-2010
Start Time of First Product	23:45:05
Stop Time of Last Product	23:37:38
Number of EGOI Products analysed	40
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100710HLEP5891.E2	10-JUL-2010	00:43:22.546
EGOI_100710HLEP5899.E2	10-JUL-2010	11:11:57.877
EGOI_100710HLEP5907.E2	10-JUL-2010	14:29:38.078
EGOI_100710HLEP5916.E2	10-JUL-2010	22:30:27.514
EGOI_100710KSEP0022.E2	10-JUL-2010	18:24:45.510
EGOI_100710KSEP9141.E2	10-JUL-2010	20:03:29.617
EGOI_100710KSEP9166.E2	10-JUL-2010	21:44:30.227
EGOI_100710KSEP9182.E2	10-JUL-2010	23:27:47.357
EGOI_100710KSEP9864.E2	10-JUL-2010	06:52:29.297

EGOI_100710KSEP9883.E2	10-JUL-2010	08:32:28.400
EGOI_100710KSEP9904.E2	10-JUL-2010	10:12:08.009
EGOI_100710KSEP9926.E2	10-JUL-2010	11:51:41.619
EGOI_100710KSEP9943.E2	10-JUL-2010	13:30:39.222
EGOI_100710KSEP9962.E2	10-JUL-2010	15:09:21.820
EGOI_100710KSEP9990.E2	10-JUL-2010	16:46:50.915
EGOI_100710MAEP4314.E2	10-JUL-2010	08:40:29.950
EGOI_100710MAEP4326.E2	10-JUL-2010	10:19:42.552
EGOI_100710MAEP4346.E2	10-JUL-2010	19:57:25.082
EGOI_100710MAEP4367.E2	10-JUL-2010	21:36:34.681
EGOI_100710MIEP5880.E2	10-JUL-2010	03:06:38.415
EGOI_100710MIEP5901.E2	10-JUL-2010	04:47:49.532
EGOI_100710MIEP5928.E2	10-JUL-2010	15:26:51.931
EGOI_100710MIEP5955.E2	10-JUL-2010	17:06:46.540
EGOI_100710MMEP1086.E2	10-JUL-2010	00:50:18.087
EGOI_100710MMEP1093.E2	10-JUL-2010	02:32:36.708
EGOI_100710MMEP1104.E2	10-JUL-2010	11:00:06.806
EGOI_100710MMEP1113.E2	10-JUL-2010	15:59:11.630
EGOI_100710MMEP1120.E2	10-JUL-2010	17:39:33.240
EGOI_100710MMEP1127.E2	10-JUL-2010	19:18:18.842
EGOI_100710MMEP1137.E2	10-JUL-2010	22:37:29.053
EGOI_100710MSEP1817.E2	09-JUL-2010	23:45:05.687
EGOI_100710MSEP1838.E2	10-JUL-2010	10:26:44.096
EGOI_100710MSEP1867.E2	10-JUL-2010	12:04:35.698
EGOI_100710MSEP1876.E2	10-JUL-2010	13:47:34.828
EGOI_100710MSEP1894.E2	10-JUL-2010	21:37:10.684
EGOI_100710MSEP1926.E2	10-JUL-2010	23:13:30.771
EGOI_100710SGEP6954.E2	10-JUL-2010	02:11:33.583
EGOI_100710SGEP6960.E2	10-JUL-2010	03:54:35.704
EGOI_100710SGEP6968.E2	10-JUL-2010	14:46:33.683
EGOI_100710SGEP6974.E2	10-JUL-2010	16:24:23.779

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	79583	10-JUL-2010	18:23:01.202	18:24:45.510	104.30800
KS	79584	10-JUL-2010	20:02:11.161	20:03:29.616	78.455000
KS	79585	10-JUL-2010	21:43:12.840	21:44:30.226	77.386000
KS	79576	10-JUL-2010	06:51:26.929	06:52:29.297	62.368000
KS	79577	10-JUL-2010	08:30:50.217	08:32:28.400	98.183000
KS	79578	10-JUL-2010	10:10:27.894	10:12:08.008	100.11400
KS	79579	10-JUL-2010	11:49:57.006	11:51:41.618	104.61200
KS	79580	10-JUL-2010	13:28:59.553	13:30:39.222	99.669000

KS	79581	10-JUL-2010	15:07:26.939	15:09:21.820	114.88100
KS	79582	10-JUL-2010	16:45:03.690	16:46:50.914	107.22400
MS	79578	10-JUL-2010	10:24:53.842	10:26:44.096	110.25400
MS	79579	10-JUL-2010	12:02:55.692	12:04:35.698	100.00600
MS	79586	10-JUL-2010	23:12:04.367	23:13:30.770	86.403000
MA	79578	10-JUL-2010	10:18:32.230	10:19:42.551	70.321000
MA	79584	10-JUL-2010	19:55:19.907	19:57:25.081	125.17400
MA	79585	10-JUL-2010	21:34:46.502	21:36:34.681	108.17900
MI	79574	10-JUL-2010	03:05:05.524	03:06:38.415	92.891000
MI	79574	10-JUL-2010	03:15:08.464	03:18:10.850	182.38600
MI	79575	10-JUL-2010	04:46:21.034	04:47:49.531	88.497000
MI	79581	10-JUL-2010	15:25:19.556	15:26:51.931	92.375000
MI	79582	10-JUL-2010	17:05:16.313	17:06:46.539	90.226000
MM	79582	10-JUL-2010	17:37:41.972	17:39:33.239	111.26700
MM	79583	10-JUL-2010	19:16:51.212	19:18:18.841	87.629000
SG	79573	10-JUL-2010	02:10:11.599	02:11:33.583	81.984000
SG	79574	10-JUL-2010	03:46:51.041	03:54:35.703	464.66200
SG	79580	10-JUL-2010	14:42:58.400	14:46:33.682	215.28200
SG	79581	10-JUL-2010	16:22:31.134	16:24:23.779	112.64500

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	79572	10-JUL-2010	00:37:54.299	00:52:11.173	856.87400
KS	79572	10-JUL-2010	00:00:21.745	00:05:49.729	327.98400
BE	79573	10-JUL-2010	01:57:01.878	02:08:38.125	696.24700
GS	79573	10-JUL-2010	01:31:51.918	01:43:46.136	714.21800
BE	79574	10-JUL-2010	03:35:54.540	03:48:53.337	778.79700
MM	79574	10-JUL-2010	04:15:19.451	04:21:38.555	379.10400
GS	79574	10-JUL-2010	03:09:49.598	03:23:40.564	830.96600
CM	79574	10-JUL-2010	03:05:26.844	03:15:13.888	587.04400
CM	79574	10-JUL-2010	04:43:40.978	04:55:06.367	685.38900
MM	79575	10-JUL-2010	05:57:43.495	06:03:42.497	359.00200
MM	79576	10-JUL-2010	07:38:49.970	07:46:45.865	475.89500
JO	79576	10-JUL-2010	07:17:10.584	07:30:30.876	800.29200
MM	79577	10-JUL-2010	09:19:17.305	09:29:30.673	613.36800

JO	79577	10-JUL-2010	08:55:50.338	09:10:04.660	854.32200
MM	79579	10-JUL-2010	12:39:23.296	12:51:59.015	755.71900
HO	79580	10-JUL-2010	14:28:08.985	14:40:10.301	721.31600
MM	79580	10-JUL-2010	14:19:05.030	14:31:48.430	763.40000
SG	79580	10-JUL-2010	14:42:58.400	14:55:35.189	756.78900
BE	79581	10-JUL-2010	14:52:56.539	15:05:33.146	756.60700
GS	79581	10-JUL-2010	15:19:15.590	15:32:44.462	808.87200
CM	79581	10-JUL-2010	15:29:03.736	15:38:56.439	592.70300
GS	79582	10-JUL-2010	16:58:49.728	17:11:38.514	768.78600
CM	79582	10-JUL-2010	17:07:34.582	17:18:53.432	678.85000
JO	79583	10-JUL-2010	19:37:14.050	19:49:39.949	745.89900
MM	79584	10-JUL-2010	20:56:19.624	21:09:03.092	763.46800
JO	79584	10-JUL-2010	21:15:35.060	21:30:11.366	876.30600
HO	79585	10-JUL-2010	22:28:52.388	22:41:06.923	734.53500

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1.5 - List of corrupted products

Station	Orbit	Time

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

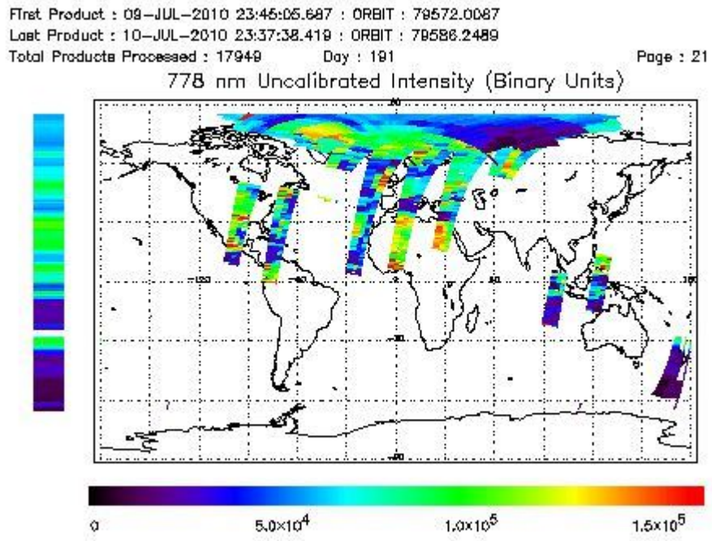
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

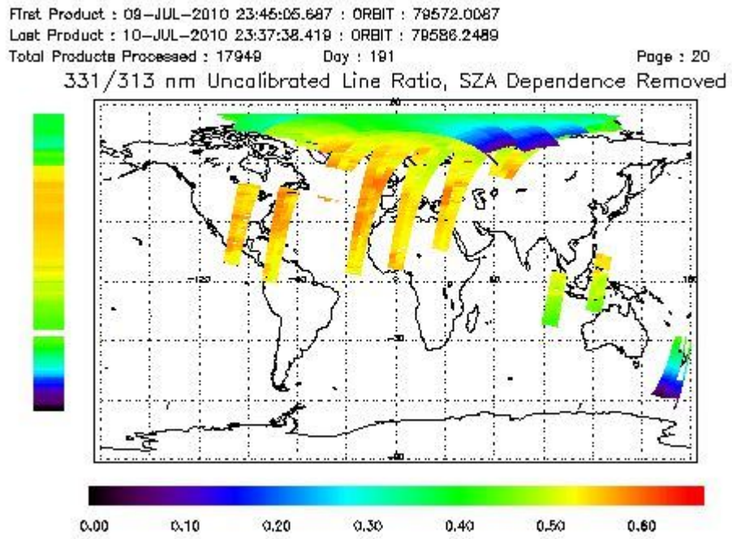
2.2 - Daily Plots

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

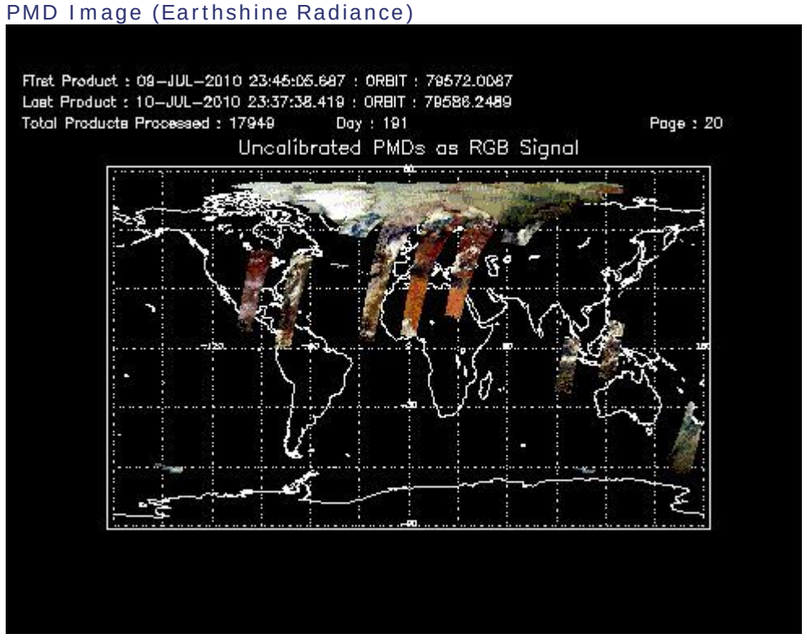
NEAR IR Intensity



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)
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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)

[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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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