GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	06-JUN-2011
Start Time of First Product	23:49:37 (05-Jun)
Stop Time of Last Product	23:40:06
Number of EGOI Products analysed	39
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_110606CMEP7185.E2	06-JUN-2011	03:10:12.363
EGOI_110606CMEP7192.E2	06-JUN-2011	04:51:14.484
EGOI_110606CMEP7202.E2	06-JUN-2011	17:11:21.992
EGOI_110606GSEP3862.E2	06-JUN-2011	01:37:16.297
EGOI_110606GSEP3870.E2	06-JUN-2011	03:17:30.406
EGOI_110606GSEP3879.E2	06-JUN-2011	04:57:55.026
EGOI_110606KSEP5700.E2	06-JUN-2011	00:05:30.734
EGOI_110606KSEP5714.E2	06-JUN-2011	06:56:27.244
EGOI_110606KSEP5741.E2	06-JUN-2011	08:36:14.358

EGOI_110606KSEP5761.E2	06-JUN-2011	10:15:46.460
EGOI_110606KSEP5790.E2	06-JUN-2011	11:55:06.566
EGOI_110606KSEP5806.E2	06-JUN-2011	13:33:59.667
EGOI_110606KSEP5819.E2	06-JUN-2011	15:12:22.769
EGOI_110606KSEP5833.E2	06-JUN-2011	16:49:56.363
EGOI_110606KSEP5848.E2	06-JUN-2011	18:27:32.963
EGOI_110606KSEP5855.E2	06-JUN-2011	20:06:36.569
EGOI_110606KSEP5872.E2	06-JUN-2011	21:47:28.179
EGOI_110606KSEP5888.E2	06-JUN-2011	23:30:24.304
EGOI_110606MAEP8714.E2	06-JUN-2011	08:43:59.402
EGOI_110606MAEP8729.E2	06-JUN-2011	10:22:52.503
EGOI_110606MAEP8740.E2	06-JUN-2011	19:59:54.527
EGOI_110606MAEP8761.E2	06-JUN-2011	21:39:17.628
EGOI_110606MIEP4379.E2	06-JUN-2011	03:10:40.867
EGOI_110606MIEP4403.E2	06-JUN-2011	04:51:59.488
EGOI_110606MIEP4430.E2	06-JUN-2011	15:29:57.374
EGOI_110606MIEP4457.E2	06-JUN-2011	17:09:48.984
EGOI_110606MMEP0386.E2	06-JUN-2011	16:02:24.574
EGOI_110606MMEP0392.E2	06-JUN-2011	17:42:32.687
EGOI_110606MMEP0400.E2	06-JUN-2011	21:00:08.394
EGOI_110606MMEP0408.E2	06-JUN-2011	22:40:10.503
EGOI_110606MSEP0234.E2	05-JUN-2011	23:49:36.644
EGOI_110606MSEP0259.E2	06-JUN-2011	10:30:13.546
EGOI_110606MSEP0288.E2	06-JUN-2011	12:08:05.144
EGOI_110606MSEP0310.E2	06-JUN-2011	21:39:35.632
EGOI_110606MSEP0341.E2	06-JUN-2011	23:16:06.222
EGOI_110606SGEP3688.E2	06-JUN-2011	02:15:28.531
EGOI_110606SGEP3694.E2	06-JUN-2011	03:52:27.617
EGOI_110606SGEP3702.E2	06-JUN-2011	14:49:52.636
EGOI_110606SGEP3709.E2	06-JUN-2011	16:27:42.730

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	84314	06-JUN-2011	06:48:37.307	06:56:27.244	469.93700
KS	84315	06-JUN-2011	08:27:59.480	08:36:14.357	494.87700
KS	84316	06-JUN-2011	10:07:37.144	10:15:46.459	489.31500
KS	84317	06-JUN-2011	11:47:06.735	11:55:06.565	479.83000
KS	84318	06-JUN-2011	13:26:10.318	13:33:59.666	469.34800
KS	84319	06-JUN-2011	15:04:40.379	15:12:22.769	462.39000
KS	84320	06-JUN-2011	16:42:16.754	16:49:56.363	459.60900
KS	84321	06-JUN-2011	18:20:12.470	18:27:32.963	440.49300

KS	84322	06-JUN-2011	19:59:19.789	20:06:36.568	436.77900
KS	84323	06-JUN-2011	21:40:17.749	21:47:28.179	430.43000
KS	84324	06-JUN-2011	23:23:52.107	23:30:24.304	392.19700
GS	84311	06-JUN-2011	01:29:07.979	01:37:16.297	488.31800
GS	84312	06-JUN-2011	03:06:58.010	03:17:30.406	632.39600
MS	84310	05-JUN-2011	23:40:45.439	23:49:36.644	531.20500
MS	84316	06-JUN-2011	10:22:09.937	10:30:13.546	483.60900
MS	84317	06-JUN-2011	12:00:02.602	12:08:05.143	482.54100
MA	84315	06-JUN-2011	08:36:49.284	08:43:59.402	430.11800
MA	84316	06-JUN-2011	10:15:42.578	10:22:52.502	429.92400
MA	84322	06-JUN-2011	19:52:34.107	19:59:54.527	440.42000
MA	84323	06-JUN-2011	21:31:52.265	21:39:17.627	445.36200
MI	84312	06-JUN-2011	03:02:18.192	03:10:40.866	502.67400
MI	84313	06-JUN-2011	04:43:19.249	04:51:59.487	520.23800
MI	84319	06-JUN-2011	15:22:32.311	15:29:57.374	445.06300
MI	84320	06-JUN-2011	17:02:20.787	17:09:48.984	448.19700
MM	84319	06-JUN-2011	15:55:40.304	16:02:24.573	404.26900
MM	84320	06-JUN-2011	17:34:52.043	17:42:32.687	460.64400
MM	84322	06-JUN-2011	20:53:28.614	21:00:08.393	399.77900
MM	84323	06-JUN-2011	22:33:37.768	22:40:10.502	392.73400
SG	84311	06-JUN-2011	02:07:37.322	02:15:28.531	471.20900
SG	84312	06-JUN-2011	03:43:59.167	03:52:27.617	508.45000
CM	84312	06-JUN-2011	03:02:46.604	03:10:12.363	445.75900
CM	84320	06-JUN-2011	17:04:40.590	17:11:21.991	401.40100

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	84310	06-JUN-2011	00:34:57.873	00:49:22.127	864.25400
MM	84310	06-JUN-2011	00:46:46.430	00:57:31.113	644.68300
BE	84311	06-JUN-2011	01:54:15.454	02:05:40.708	685.25400
MM	84311	06-JUN-2011	02:29:17.536	02:37:52.830	515.29400
BE	84312	06-JUN-2011	03:33:02.943	03:46:05.898	782.95500
MM	84312	06-JUN-2011	04:12:22.876	04:18:44.840	381.96400
MM	84313	06-JUN-2011	05:54:49.150	06:00:46.355	357.20500
MM	84314	06-JUN-2011	07:35:57.360	07:43:49.142	471.78200

JO	84314	06-JUN-2011	07:14:27.027	07:27:36.797	789.77000
MM	84315	06-JUN-2011	09:16:25.386	09:26:35.265	609.87900
JO	84315	06-JUN-2011	08:52:56.152	09:07:17.221	861.06900
MM	84316	06-JUN-2011	10:56:35.505	11:08:23.340	707.83500
MM	84317	06-JUN-2011	12:36:32.167	12:49:07.197	755.03000
HO	84318	06-JUN-2011	14:25:15.848	14:37:34.586	738.73800
MM	84318	06-JUN-2011	14:16:14.345	14:28:57.863	763.51800
SG	84318	06-JUN-2011	14:40:14.109	14:52:39.949	745.84000
BE	84319	06-JUN-2011	14:50:02.060	15:02:44.924	762.86400
GS	84319	06-JUN-2011	15:16:26.451	15:29:50.878	804.42700
CM	84319	06-JUN-2011	15:26:21.971	15:35:56.685	574.71400
GS	84320	06-JUN-2011	16:55:57.761	17:08:52.620	774.85900
MM	84321	06-JUN-2011	19:14:01.085	19:26:40.146	759.06100
JO	84321	06-JUN-2011	19:34:30.298	19:46:40.986	730.68800
JO	84322	06-JUN-2011	21:12:43.224	21:27:24.104	880.88000
HO	84323	06-JUN-2011	22:26:09.192	22:38:14.782	725.59000
MS	84324	06-JUN-2011	23:09:13.941	23:22:40.655	806.71400

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1.5 - List of corrupted products

Station	Orbit	Time

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2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

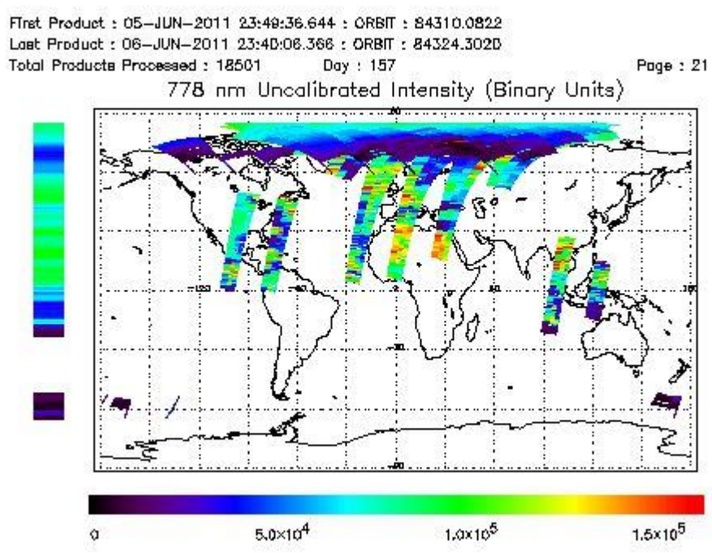
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

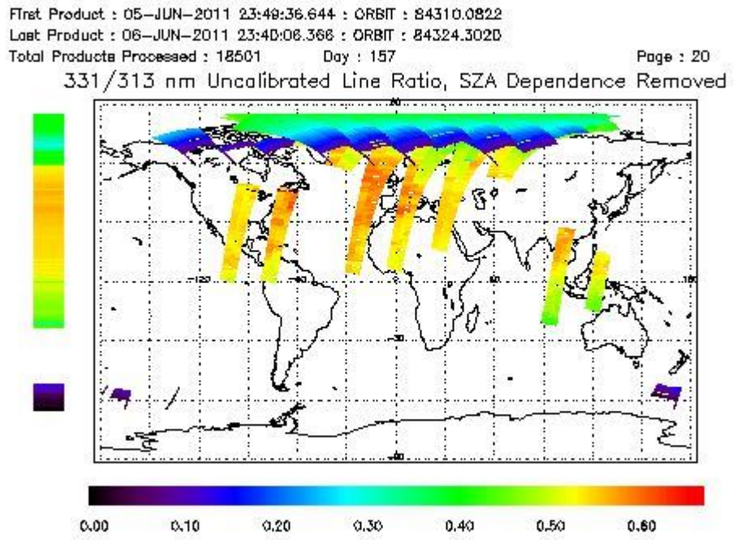
2.2 - Daily Plots

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

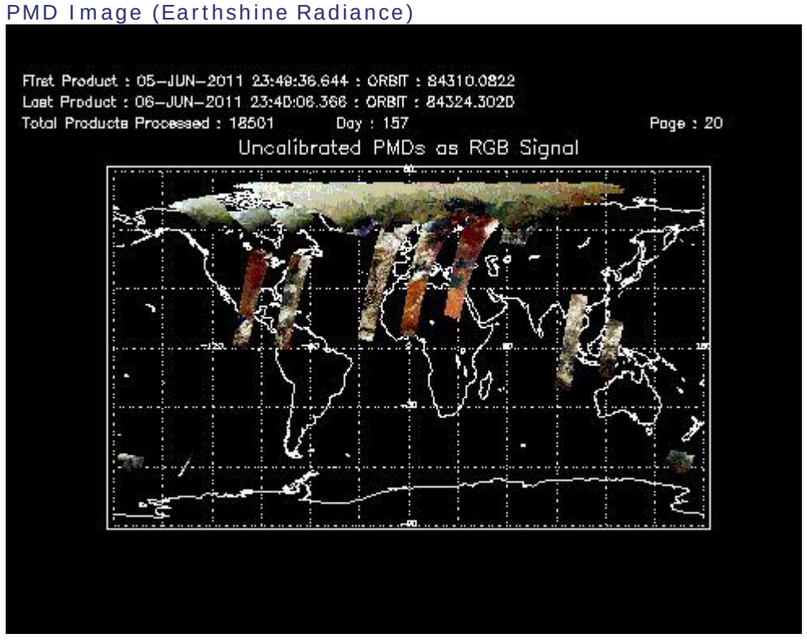
NEAR IR Intensity



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	18:29:56.978	--	84321	Yes	--	--

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)

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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
--	--	--

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
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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