

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	15-JUN-2011
Start Time of First Product	14-06-2011 23:49:36
Stop Time of Last Product	22:00:42
Number of EGOI Products analysed	36
Number of corrupted products	
Anomalies and/or Special Operations	no solar calibration measurements available due to the execution of an ERS2 orbit manoeuvre

1.2 - List of received products

Name	Date	Time
EGOI_110615CMEP7365.E2	15-JUN-2011	03:10:13.539
EGOI_110615CMEP7373.E2	15-JUN-2011	04:51:15.656
EGOI_110615CMEP7380.E2	15-JUN-2011	15:32:42.079
EGOI_110615CMEP7389.E2	15-JUN-2011	17:11:57.684
EGOI_110615GSEP4461.E2	15-JUN-2011	01:37:02.472
EGOI_110615GSEP4492.E2	15-JUN-2011	03:15:01.570
EGOI_110615GSEP4501.E2	15-JUN-2011	04:57:50.205
EGOI_110615KSEP7613.E2	15-JUN-2011	00:06:09.418
EGOI_110615KSEP7628.E2	15-JUN-2011	06:56:25.424

EGOI_110615KSEP7655.E2	15-JUN-2011	08:36:14.034
EGOI_110615KSEP7674.E2	15-JUN-2011	10:15:46.139
EGOI_110615KSEP7704.E2	15-JUN-2011	11:55:06.254
EGOI_110615KSEP7719.E2	15-JUN-2011	13:34:00.855
EGOI_110615KSEP7732.E2	15-JUN-2011	15:12:34.454
EGOI_110615KSEP7745.E2	15-JUN-2011	16:49:56.048
EGOI_110615KSEP7760.E2	15-JUN-2011	18:27:41.646
EGOI_110615KSEP7777.E2	15-JUN-2011	20:06:19.749
EGOI_110615KSEP7796.E2	15-JUN-2011	21:47:14.367
EGOI_110615KSEP7809.E2	15-JUN-2011	23:31:52.508
EGOI_110615MAEP9310.E2	15-JUN-2011	08:44:30.578
EGOI_110615MAEP9325.E2	15-JUN-2011	10:23:19.186
EGOI_110615MAEP9338.E2	15-JUN-2011	19:59:54.208
EGOI_110615MAEP9359.E2	15-JUN-2011	21:39:17.323
EGOI_110615MIEP5287.E2	15-JUN-2011	03:10:57.046
EGOI_110615MIEP5307.E2	15-JUN-2011	04:51:56.160
EGOI_110615MIEP5334.E2	15-JUN-2011	15:29:55.563
EGOI_110615MIEP5361.E2	15-JUN-2011	17:09:50.169
EGOI_110615MSEP1305.E2	14-JUN-2011	23:49:36.320
EGOI_110615MSEP1330.E2	15-JUN-2011	10:30:14.730
EGOI_110615MSEP1359.E2	15-JUN-2011	12:08:06.332
EGOI_110615MSEP1381.E2	15-JUN-2011	21:39:42.824
EGOI_110615MSEP1412.E2	15-JUN-2011	23:16:07.410
EGOI_110615SGEP3889.E2	15-JUN-2011	02:15:14.703
EGOI_110615SGEP3894.E2	15-JUN-2011	03:52:18.296
EGOI_110615SGEP3903.E2	15-JUN-2011	14:49:52.317
EGOI_110615SGEP3910.E2	15-JUN-2011	16:27:42.419

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	84443	15-JUN-2011	07:06:11.982	07:15:24.682	552.70000
KS	84444	15-JUN-2011	08:49:51.616	08:58:18.143	506.52700
KS	84445	15-JUN-2011	10:30:17.727	10:38:40.856	503.12900
KS	84446	15-JUN-2011	12:09:06.336	12:17:23.707	497.37100
KS	84447	15-JUN-2011	13:46:06.928	13:55:11.537	544.60900
KS	84448	15-JUN-2011	15:24:06.027	15:33:02.375	536.34800
KS	84449	15-JUN-2011	17:02:50.126	17:11:35.796	525.67000
KS	84450	15-JUN-2011	18:41:44.735	18:50:48.783	544.04800
KS	84451	15-JUN-2011	20:21:13.842	20:30:22.393	548.55100
KS	84452	15-JUN-2011	22:00:44.448	22:09:58.988	554.54000
GS	84440	15-JUN-2011	01:50:13.050	01:58:08.255	475.20500

GS	84441	15-JUN-2011	03:29:55.662	03:37:49.039	473.37700
MS	84439	15-JUN-2011	00:02:45.397	00:10:28.142	462.74500
MS	84445	15-JUN-2011	10:40:17.787	10:49:42.621	564.83400
MS	84446	15-JUN-2011	12:21:15.409	12:29:56.142	520.73300
MS	84453	15-JUN-2011	23:29:53.995	23:39:37.890	583.89500
MA	84444	15-JUN-2011	08:57:00.656	09:06:36.103	575.44700
MA	84445	15-JUN-2011	10:36:10.264	10:44:39.006	508.74200
MA	84451	15-JUN-2011	20:13:10.789	20:22:50.443	579.65400
MA	84452	15-JUN-2011	21:52:09.901	22:01:35.405	565.50400
MI	84442	15-JUN-2011	05:01:59.221	05:09:04.101	424.88000
MI	84448	15-JUN-2011	15:43:22.645	15:52:30.620	547.97500
MI	84449	15-JUN-2011	17:21:15.738	17:29:32.535	496.79700
SG	84440	15-JUN-2011	02:23:43.253	02:34:05.791	622.53800
SG	84441	15-JUN-2011	04:06:07.877	04:14:24.142	496.26500
CM	84441	15-JUN-2011	03:21:19.608	03:29:54.057	514.44900
CM	84441	15-JUN-2011	05:00:53.214	05:08:49.798	476.58400
CM	84448	15-JUN-2011	15:44:03.149	15:53:45.111	581.96200
CM	84449	15-JUN-2011	17:23:42.754	17:32:29.891	527.13700

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	84439	15-JUN-2011	00:52:26.337	01:06:12.446	826.10900
MM	84439	15-JUN-2011	01:04:16.754	01:14:42.122	625.36800
BE	84440	15-JUN-2011	02:10:57.740	02:23:19.359	741.61900
MM	84440	15-JUN-2011	02:46:56.910	02:55:07.407	490.49700
MI	84440	15-JUN-2011	01:45:14.922	01:49:23.655	248.73300
BE	84441	15-JUN-2011	03:50:14.236	04:02:46.707	752.47100
MM	84441	15-JUN-2011	04:30:01.745	04:36:08.077	366.33200
MM	84442	15-JUN-2011	06:12:14.188	06:18:23.998	369.81000
MM	84443	15-JUN-2011	07:53:12.608	08:01:29.165	496.55700
JO	84443	15-JUN-2011	07:30:53.769	07:44:57.940	844.17100
MM	84444	15-JUN-2011	09:33:36.711	09:44:06.964	630.25300
JO	84444	15-JUN-2011	09:10:26.655	09:23:57.946	811.29100
HO	84445	15-JUN-2011	11:24:03.950	11:35:02.762	658.81200
MM	84445	15-JUN-2011	11:13:44.459	11:25:43.839	719.38000

HO	84446	15-JUN-2011	13:02:13.510	13:17:02.599	889.08900
MM	84446	15-JUN-2011	12:53:38.764	13:06:17.465	758.70100
HO	84447	15-JUN-2011	14:42:36.691	14:53:07.057	630.36600
MM	84447	15-JUN-2011	14:33:18.264	14:46:00.882	762.61800
GS	84447	15-JUN-2011	13:56:17.566	14:03:15.778	418.21200
BE	84448	15-JUN-2011	15:07:33.919	15:19:31.357	717.43800
MM	84448	15-JUN-2011	16:12:41.435	16:25:15.413	753.97800
GS	84448	15-JUN-2011	15:33:22.886	15:47:08.695	825.80900
MM	84449	15-JUN-2011	17:51:51.584	18:04:24.008	752.42400
GS	84449	15-JUN-2011	17:13:10.802	17:25:24.603	733.80100
MM	84450	15-JUN-2011	19:31:02.106	19:43:42.737	760.63100
JO	84450	15-JUN-2011	19:50:58.882	20:04:27.263	808.38100
MM	84451	15-JUN-2011	21:10:35.218	21:23:17.656	762.43800
JO	84451	15-JUN-2011	21:29:56.937	21:44:03.157	846.22000
HO	84452	15-JUN-2011	22:42:32.186	22:55:26.471	774.28500
MM	84452	15-JUN-2011	22:50:53.474	23:03:08.146	734.67200

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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	Polar View operated
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK

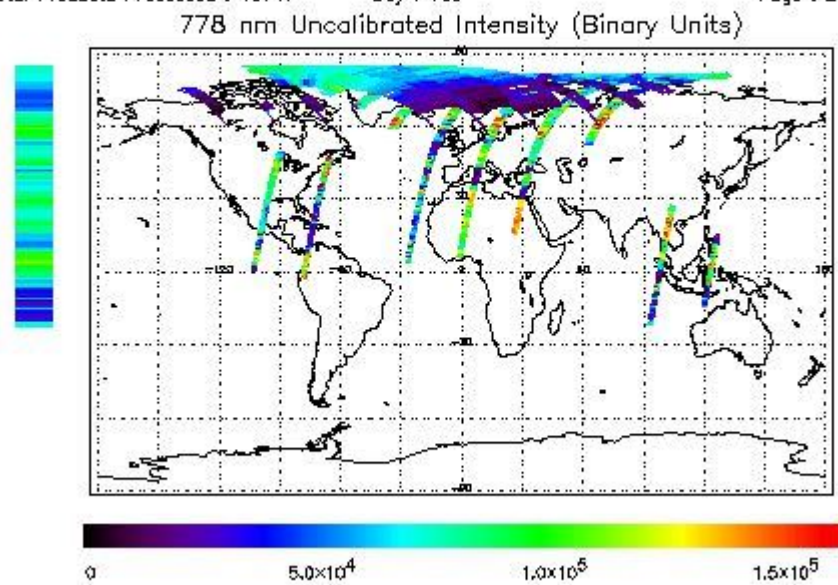
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 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 explanation see the [GOME Performance Legend](#)

NEAR IR Intensity

FRet Product : 14-JUN-2011 23:49:36.320 : ORBIT : 84438.9107
 Last Product : 15-JUN-2011 22:00:42.949 : ORBIT : 84452.1426
 Total Products Processed : 15747 Day : 166 Page : 21

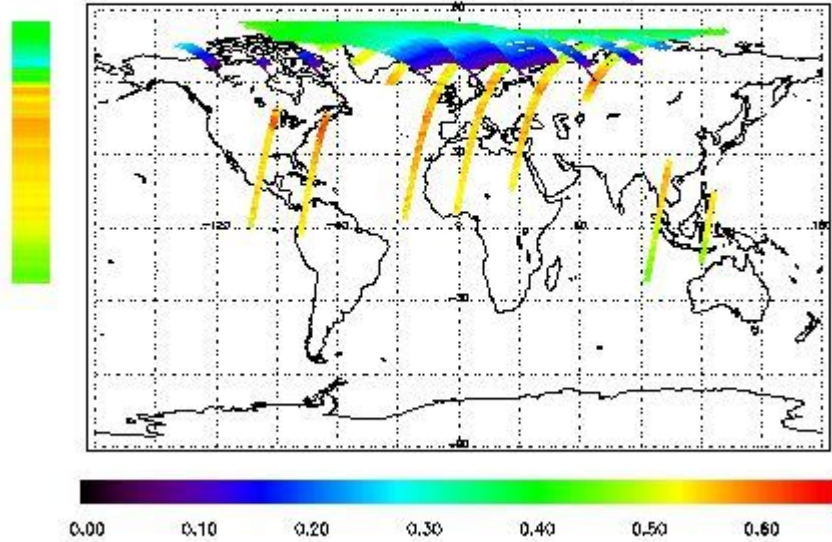


Ozone Line Ratio

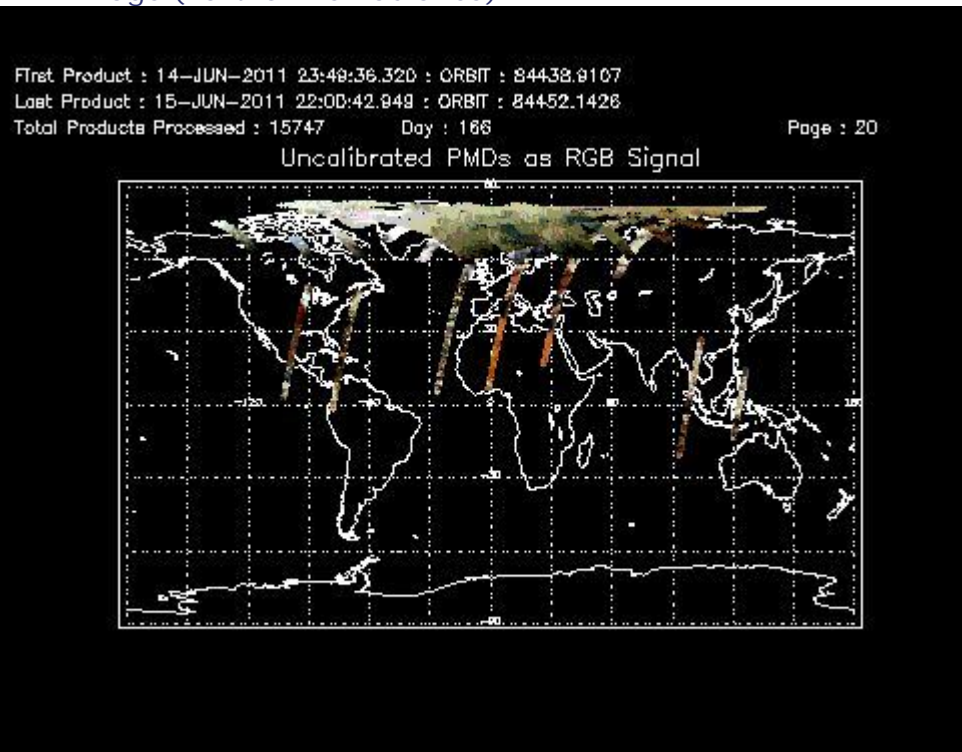
First Product : 14-JUN-2011 23:49:36.320 : ORBIT : 84438.9107
 Last Product : 15-JUN-2011 22:00:42.949 : ORBIT : 84452.1426
 Total Products Processed : 15747 Day : 166

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331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed



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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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