

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	06-OCT-2010
Start Time of First Product	00:20:59
Stop Time of Last Product	23:25:38
Number of EGOI Products analysed	33
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_101006GSEP6540.E2	06-OCT-2010	02:06:40.487
EGOI_101006GSEP6566.E2	06-OCT-2010	03:46:12.598
EGOI_101006GSEP6575.E2	06-OCT-2010	05:28:55.229
EGOI_101006HLEP7965.E2	06-OCT-2010	15:05:04.769
EGOI_101006HLEP7974.E2	06-OCT-2010	23:08:06.238
EGOI_101006KSEP0053.E2	06-OCT-2010	07:27:16.961
EGOI_101006KSEP0072.E2	06-OCT-2010	09:07:17.576
EGOI_101006KSEP0093.E2	06-OCT-2010	10:46:57.182
EGOI_101006KSEP0119.E2	06-OCT-2010	12:26:18.794

EGOI_101006KSEP0147.E2	06-OCT-2010	14:05:14.901
EGOI_101006KSEP0173.E2	06-OCT-2010	15:43:15.503
EGOI_101006KSEP0202.E2	06-OCT-2010	17:21:04.103
EGOI_101006KSEP0234.E2	06-OCT-2010	18:58:57.210
EGOI_101006KSEP0264.E2	06-OCT-2010	20:38:23.322
EGOI_101006KSEP0292.E2	06-OCT-2010	22:20:16.440
EGOI_101006MAEP7945.E2	06-OCT-2010	09:14:31.119
EGOI_101006MAEP7954.E2	06-OCT-2010	10:54:27.234
EGOI_101006MIEP2582.E2	06-OCT-2010	02:04:43.475
EGOI_101006MIEP2604.E2	06-OCT-2010	03:41:24.566
EGOI_101006MIEP2623.E2	06-OCT-2010	14:25:22.526
EGOI_101006MIEP2642.E2	06-OCT-2010	16:01:18.613
EGOI_101006MIEP2662.E2	06-OCT-2010	17:43:10.240
EGOI_101006MMEP6180.E2	06-OCT-2010	01:25:56.732
EGOI_101006MMEP6187.E2	06-OCT-2010	03:08:27.363
EGOI_101006MMEP6196.E2	06-OCT-2010	08:19:27.774
EGOI_101006MMEP6203.E2	06-OCT-2010	11:35:12.480
EGOI_101006MMEP6212.E2	06-OCT-2010	16:37:00.836
EGOI_101006MMEP6221.E2	06-OCT-2010	21:32:55.151
EGOI_101006MMEP6229.E2	06-OCT-2010	23:12:31.765
EGOI_101006MSEP1981.E2	06-OCT-2010	00:20:59.341
EGOI_101006MSEP2005.E2	06-OCT-2010	11:00:10.769
EGOI_101006MSEP2033.E2	06-OCT-2010	12:39:39.876
EGOI_101006MSEP2064.E2	06-OCT-2010	22:09:46.378

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	80836	06-OCT-2010	07:25:27.158	07:27:16.960	109.80200
KS	80837	06-OCT-2010	09:04:59.600	09:07:17.575	137.97500
KS	80838	06-OCT-2010	10:44:36.258	10:46:57.182	140.92400
KS	80839	06-OCT-2010	12:23:58.451	12:26:18.793	140.34200
KS	80840	06-OCT-2010	14:02:51.922	14:05:14.901	142.97900
KS	80841	06-OCT-2010	15:40:50.684	15:43:15.502	144.81800
KS	80842	06-OCT-2010	17:18:41.013	17:21:04.102	143.08900
KS	80843	06-OCT-2010	18:56:50.917	18:58:57.210	126.29300
KS	80844	06-OCT-2010	20:36:35.001	20:38:23.322	108.32100
KS	80845	06-OCT-2010	22:18:24.064	22:20:16.440	112.37600
GS	80833	06-OCT-2010	02:04:57.405	02:06:40.487	103.08200
GS	80834	06-OCT-2010	03:44:27.246	03:46:12.598	105.35200
MS	80832	06-OCT-2010	00:18:57.896	00:20:59.341	121.44500

MS	80838	06-OCT-2010	10:57:45.880	11:00:10.769	144.88900
MS	80839	06-OCT-2010	12:37:22.160	12:39:39.875	137.71500
MS	80845	06-OCT-2010	22:08:02.040	22:09:46.378	104.33800
MS	80846	06-OCT-2010	23:46:33.576	23:48:37.984	124.40800
MA	80838	06-OCT-2010	10:52:48.330	10:54:27.234	98.904000
MI	80833	06-OCT-2010	02:02:41.704	02:04:43.474	121.77000
MI	80834	06-OCT-2010	03:38:58.145	03:41:24.565	146.42000
MI	80840	06-OCT-2010	14:23:33.684	14:25:22.526	108.84200
MI	80841	06-OCT-2010	15:59:05.585	16:01:18.613	133.02800
MI	80842	06-OCT-2010	17:41:07.339	17:43:10.240	122.90100
MM	80832	06-OCT-2010	01:24:44.461	01:25:56.731	72.270000
MM	80836	06-OCT-2010	08:13:19.238	08:19:27.773	368.53500
MM	80838	06-OCT-2010	11:33:44.410	11:35:12.479	88.069000
MM	80841	06-OCT-2010	16:32:32.230	16:37:00.836	268.60600
MM	80841	06-OCT-2010	16:42:38.366	16:45:04.938	146.57200
MM	80844	06-OCT-2010	21:30:34.626	21:32:55.150	140.52400
MM	80845	06-OCT-2010	23:11:04.105	23:12:31.765	87.660000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	80832	06-OCT-2010	01:12:47.824	01:25:45.765	777.94100
BE	80833	06-OCT-2010	02:30:36.245	02:43:38.969	782.72400
SG	80833	06-OCT-2010	02:42:17.750	02:54:46.452	748.70200
CM	80833	06-OCT-2010	03:38:13.233	03:50:10.139	716.90600
BE	80834	06-OCT-2010	04:10:23.042	04:22:02.093	699.05100
MM	80834	06-OCT-2010	04:50:34.910	04:56:28.250	353.34000
SG	80834	06-OCT-2010	04:21:40.695	04:33:35.559	714.86400
MM	80835	06-OCT-2010	06:32:30.467	06:38:59.874	389.40700
CM	80835	06-OCT-2010	05:19:28.212	05:27:36.150	487.93800
JO	80836	06-OCT-2010	07:50:19.782	08:05:03.671	883.88900
MM	80837	06-OCT-2010	09:53:39.357	10:04:31.592	652.23500
JO	80837	06-OCT-2010	09:31:11.500	09:43:10.588	719.08800
MM	80839	06-OCT-2010	13:13:35.911	13:26:17.562	761.65100
HO	80840	06-OCT-2010	15:03:00.415	15:11:56.323	535.90800
MM	80840	06-OCT-2010	14:53:12.214	15:05:53.334	761.12000

GS	80840	06-OCT-2010	14:15:08.986	14:24:51.347	582.36100
SG	80840	06-OCT-2010	15:16:20.329	15:30:09.960	829.63100
BE	80841	06-OCT-2010	15:28:18.719	15:38:54.297	635.57800
GS	80841	06-OCT-2010	15:53:13.016	16:07:08.896	835.88000
SG	80841	06-OCT-2010	16:58:57.585	17:05:41.352	403.76700
CM	80841	06-OCT-2010	16:02:05.823	16:14:07.639	721.81600
MM	80842	06-OCT-2010	18:11:41.040	18:24:14.621	753.58100
GS	80842	06-OCT-2010	17:33:20.234	17:44:31.056	670.82200
CM	80842	06-OCT-2010	17:42:57.964	17:51:05.912	487.94800
MM	80843	06-OCT-2010	19:50:54.146	20:03:36.380	762.23400
MA	80843	06-OCT-2010	18:55:53.081	19:00:17.539	264.45800
JO	80843	06-OCT-2010	20:10:26.762	20:24:52.332	865.57000
MA	80844	06-OCT-2010	20:28:47.809	20:42:32.303	824.49400
JO	80844	06-OCT-2010	21:50:11.972	22:03:13.771	781.79900
HO	80845	06-OCT-2010	23:01:58.890	23:15:29.546	810.65600
MA	80845	06-OCT-2010	22:11:22.163	22:20:55.032	572.86900

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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 Temperatures B	OK
Charge Amp Temperatures	OK

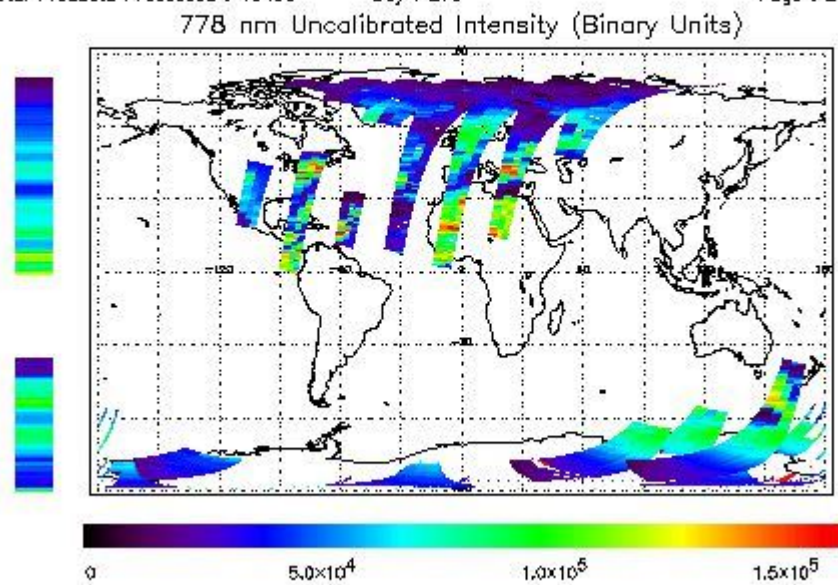
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 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 : 06-OCT-2010 00:20:50.341 : ORBIT : 80832.0227
 Last Product : 06-OCT-2010 23:25:37.843 : ORBIT : 80845.7887
 Total Products Processed : 15490 Day : 279 Page : 21

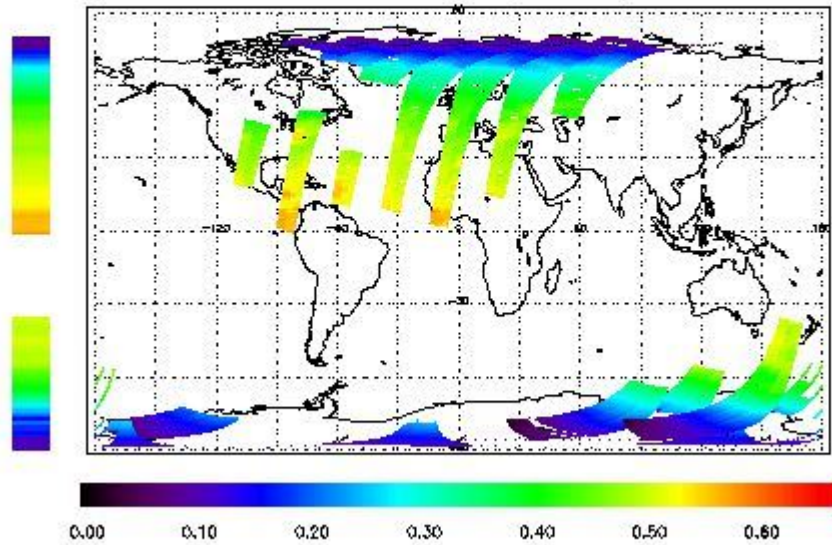


Ozone Line Ratio

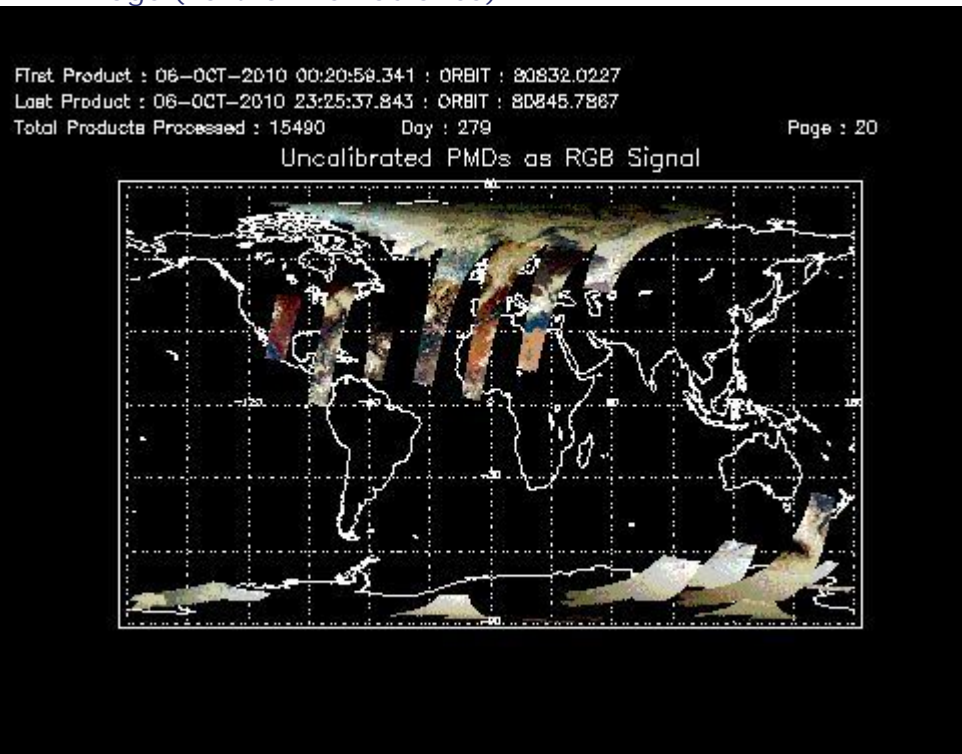
First Product : 06-OCT-2010 00:20:59.341 : ORBIT : 80832.0227
 Last Product : 06-OCT-2010 23:25:37.843 : ORBIT : 80845.7867
 Total Products Processed : 15490 Day : 279

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

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

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

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

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
--	--	--	--

5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
01:00 05-Sep	--	80388	--

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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