

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	02-OCT_-2010
Start Time of First Product	00:10:17
Stop Time of Last Product	23:51:20
Number of EGOI Products analysed	41
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_101002GSEP6241.E2	02-OCT-2010	00:55:37.121
EGOI_101002GSEP6271.E2	02-OCT-2010	02:31:49.708
EGOI_101002GSEP6301.E2	02-OCT-2010	04:12:39.827
EGOI_101002GSEP6308.E2	02-OCT-2010	05:55:01.454
EGOI_101002HLEP7895.E2	02-OCT-2010	13:50:07.358
EGOI_101002HLEP7906.E2	02-OCT-2010	15:31:42.484
EGOI_101002HLEP7913.E2	02-OCT-2010	21:53:40.328
EGOI_101002HLEP7920.E2	02-OCT-2010	23:29:06.408
EGOI_101002KSEP0021.E2	02-OCT-2010	11:12:31.890

EGOI_101002KSEP9111.E2	02-OCT-2010	12:51:44.501
EGOI_101002KSEP9121.E2	02-OCT-2010	14:30:36.108
EGOI_101002KSEP9147.E2	02-OCT-2010	16:08:18.703
EGOI_101002KSEP9176.E2	02-OCT-2010	17:46:16.308
EGOI_101002KSEP9208.E2	02-OCT-2010	19:24:15.408
EGOI_101002KSEP9238.E2	02-OCT-2010	21:04:20.527
EGOI_101002KSEP9258.E2	02-OCT-2010	22:46:52.649
EGOI_101002KSEP9948.E2	02-OCT-2010	06:13:27.063
EGOI_101002KSEP9966.E2	02-OCT-2010	07:53:15.674
EGOI_101002KSEP9989.E2	02-OCT-2010	09:32:53.783
EGOI_101002MAEP7822.E2	02-OCT-2010	08:02:03.733
EGOI_101002MAEP7834.E2	02-OCT-2010	09:40:34.332
EGOI_101002MIEP2227.E2	02-OCT-2010	02:28:42.189
EGOI_101002MIEP2255.E2	02-OCT-2010	04:07:45.796
EGOI_101002MIEP2279.E2	02-OCT-2010	14:48:58.717
EGOI_101002MIEP2295.E2	02-OCT-2010	16:26:54.816
EGOI_101002MMEP5928.E2	02-OCT-2010	00:10:17.347
EGOI_101002MMEP5935.E2	02-OCT-2010	01:52:14.969
EGOI_101002MMEP5941.E2	02-OCT-2010	03:35:05.096
EGOI_101002MMEP5948.E2	02-OCT-2010	05:17:28.222
EGOI_101002MMEP5957.E2	02-OCT-2010	06:59:16.849
EGOI_101002MMEP5965.E2	02-OCT-2010	08:45:18.990
EGOI_101002MMEP5970.E2	02-OCT-2010	10:20:45.072
EGOI_101002MMEP5979.E2	02-OCT-2010	12:01:06.688
EGOI_101002MMEP5992.E2	02-OCT-2010	21:58:34.355
EGOI_101002MMEP6000.E2	02-OCT-2010	23:38:49.967
EGOI_101002MSEP1535.E2	02-OCT-2010	00:47:58.074
EGOI_101002MSEP1555.E2	02-OCT-2010	11:25:34.973
EGOI_101002MSEP1579.E2	02-OCT-2010	13:06:11.588
EGOI_101002MSEP1606.E2	02-OCT-2010	22:34:40.579
EGOI_101002SGEP8483.E2	02-OCT-2010	03:09:54.439
EGOI_101002SGEP8488.E2	02-OCT-2010	04:50:16.054

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	80781	02-OCT-2010	11:10:11.470	11:12:31.890	140.42000
KS	80782	02-OCT-2010	12:49:27.008	12:51:44.501	137.49300
KS	80783	02-OCT-2010	14:28:14.105	14:30:36.107	142.00200
KS	80784	02-OCT-2010	16:05:58.070	16:08:18.703	140.63300
KS	80785	02-OCT-2010	17:43:53.573	17:46:16.308	142.73500
KS	80786	02-OCT-2010	19:22:19.838	19:24:15.407	115.56900
KS	80787	02-OCT-2010	21:02:32.369	21:04:20.527	108.15800

KS	80788	02-OCT-2010	22:45:00.916	22:46:52.648	111.73200
KS	80778	02-OCT-2010	06:12:03.220	06:13:27.063	83.843000
KS	80779	02-OCT-2010	07:51:01.019	07:53:15.674	134.65500
KS	80780	02-OCT-2010	09:30:36.902	09:32:53.783	136.88100
GS	80775	02-OCT-2010	00:54:01.938	00:55:37.121	95.183000
GS	80776	02-OCT-2010	02:30:09.870	02:31:49.707	99.837000
GS	80777	02-OCT-2010	04:10:51.570	04:12:39.826	108.25600
MS	80775	02-OCT-2010	00:46:29.063	00:47:58.073	89.010000
MS	80781	02-OCT-2010	11:23:09.473	11:25:34.972	145.49900
MS	80782	02-OCT-2010	13:03:45.603	13:06:11.588	145.98500
MS	80788	02-OCT-2010	22:32:45.338	22:34:40.579	115.24100
MA	80780	02-OCT-2010	09:38:41.234	09:40:34.332	113.09800
MI	80776	02-OCT-2010	02:26:35.742	02:28:42.188	126.44600
MI	80777	02-OCT-2010	04:04:52.996	04:07:45.796	172.80000
MI	80783	02-OCT-2010	14:46:51.744	14:48:58.716	126.97200
MI	80784	02-OCT-2010	16:24:45.078	16:26:54.815	129.73700
MM	80774	02-OCT-2010	00:08:57.291	00:10:17.347	80.056000
MM	80775	02-OCT-2010	01:51:06.424	01:52:14.969	68.545000
MM	80779	02-OCT-2010	08:39:09.103	08:45:18.990	369.88700
MM	80780	02-OCT-2010	10:19:24.781	10:20:45.072	80.291000
MM	80781	02-OCT-2010	11:59:26.422	12:01:06.688	100.26600
MM	80787	02-OCT-2010	21:56:19.663	21:58:34.355	134.69200
MM	80788	02-OCT-2010	23:37:04.389	23:38:49.966	105.57700
SG	80776	02-OCT-2010	03:07:12.532	03:09:54.439	161.90700
SG	80777	02-OCT-2010	04:48:36.260	04:50:16.053	99.793000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	80774	01-OCT-2010	23:57:58.439	00:12:29.489	871.05000
HO	80775	02-OCT-2010	01:39:30.673	01:50:39.869	669.19600
BE	80776	02-OCT-2010	02:56:02.124	03:09:26.615	804.49100
CM	80776	02-OCT-2010	04:03:27.296	04:15:52.517	745.22100
BE	80777	02-OCT-2010	04:36:28.899	04:46:25.028	596.12900
JO	80778	02-OCT-2010	06:39:43.886	06:49:24.342	580.45600
JO	80779	02-OCT-2010	08:15:39.813	08:30:41.485	901.67200

MA	80781	02-OCT-2010	11:19:35.234	11:28:08.898	513.66400
MM	80782	02-OCT-2010	13:39:14.213	13:51:57.818	763.60500
SG	80782	02-OCT-2010	14:05:37.347	14:13:47.235	489.88800
BE	80783	02-OCT-2010	14:12:39.858	14:26:04.309	804.45100
MM	80783	02-OCT-2010	15:18:46.300	15:31:25.095	758.79500
GS	80783	02-OCT-2010	14:40:00.386	14:50:53.534	653.14800
SG	80783	02-OCT-2010	15:41:52.821	15:55:36.398	823.57700
BE	80784	02-OCT-2010	15:55:42.729	16:03:16.680	453.95100
MM	80784	02-OCT-2010	16:58:02.560	17:10:34.291	751.73100
GS	80784	02-OCT-2010	16:18:48.907	16:32:36.401	827.49400
CM	80784	02-OCT-2010	16:27:25.739	16:39:50.998	745.25900
MM	80785	02-OCT-2010	18:37:10.574	18:49:46.169	755.59500
GS	80785	02-OCT-2010	17:59:24.525	18:08:44.995	560.47000
JO	80785	02-OCT-2010	19:00:16.446	19:06:30.545	374.09900
MM	80786	02-OCT-2010	20:16:28.409	20:29:12.061	763.65200
MA	80786	02-OCT-2010	19:19:03.594	19:27:39.456	515.86200
JO	80786	02-OCT-2010	20:35:44.774	20:50:43.868	899.09400
HO	80787	02-OCT-2010	21:51:29.031	22:00:32.921	543.89000
MA	80787	02-OCT-2010	20:54:15.178	21:07:57.408	822.23000
JO	80787	02-OCT-2010	22:16:33.862	22:27:23.007	649.14500
HO	80788	02-OCT-2010	23:26:55.040	23:41:11.640	856.60000
MA	80788	02-OCT-2010	22:39:11.061	22:45:05.642	354.58100

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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

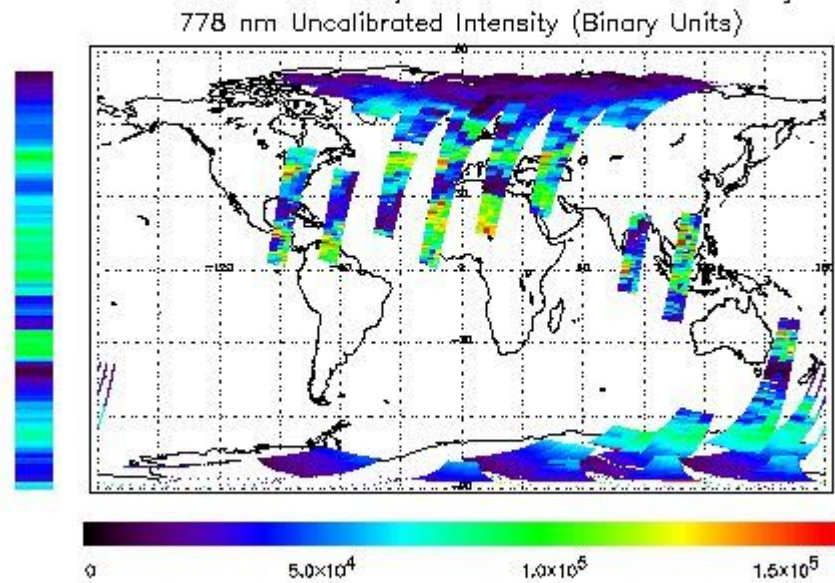
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	Polar View operated
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperatures B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical 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

First Product : 02-OCT-2010 00:10:17.347 : ORBIT : 80774.6592
 Last Product : 02-OCT-2010 23:51:20.045 : ORBIT : 80788.7850
 Total Products Processed : 19020 Day : 275 Page : 21

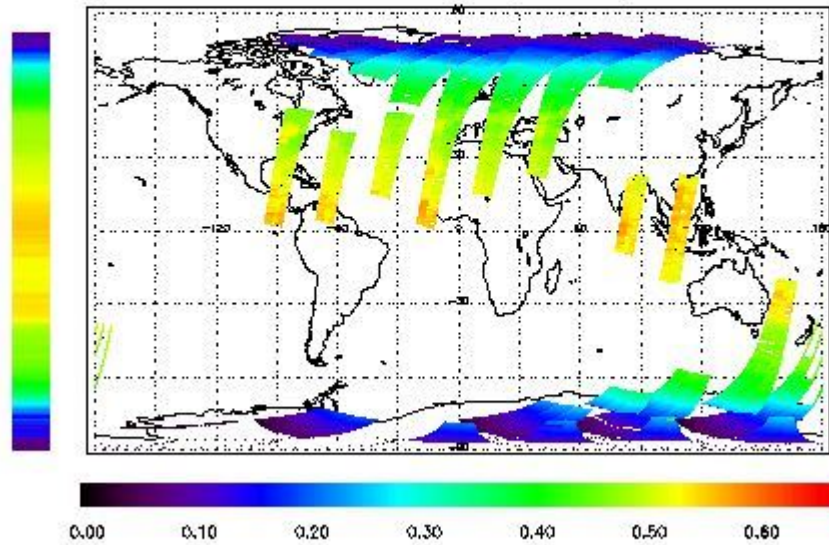


Ozone Line Ratio

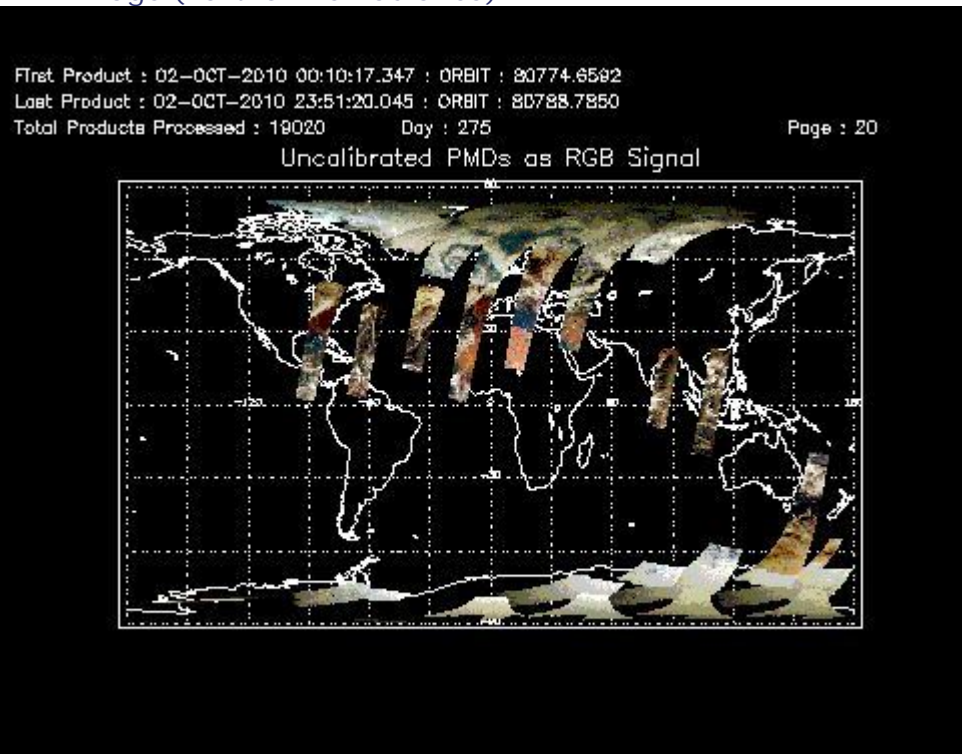
First Product : 02-OCT-2010 00:10:17.347 : ORBIT : 80774.6592
 Last Product : 02-OCT-2010 23:51:20.045 : ORBIT : 80788.7850
 Total Products Processed : 19020 Day : 275

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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)
D	14:34:00.127	--	80769	Yes	--	15177

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
--	--	--	--	--

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
--	--	--	--	--

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