

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	04-APR-2010
Start Time of First Product	23:58:13
Stop Time of Last Product	22:46:33
Number of EGOI Products analysed	27
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath performed as planned, start orbit 78196

1.2 - List of received products

Name	Date	Time
EGOI_100404BEEP2360.E2	04-APR-2010	04:26:52.068
EGOI_100404GSEP3314.E2	04-APR-2010	02:20:04.792
EGOI_100404GSEP3339.E2	04-APR-2010	04:00:26.407
EGOI_100404GSEP3346.E2	04-APR-2010	05:42:55.534
EGOI_100404KSEP7817.E2	04-APR-2010	07:40:59.255
EGOI_100404KSEP7835.E2	04-APR-2010	09:20:59.866
EGOI_100404KSEP7858.E2	04-APR-2010	11:00:36.481
EGOI_100404KSEP7883.E2	04-APR-2010	12:39:55.088
EGOI_100404KSEP7892.E2	04-APR-2010	14:18:49.691

EGOI_100404KSEP7918.E2	04-APR-2010	15:56:36.790
EGOI_100404KSEP7975.E2	04-APR-2010	19:12:23.152
EGOI_100404KSEP8005.E2	04-APR-2010	20:52:17.764
EGOI_100404KSEP8031.E2	04-APR-2010	22:34:22.883
EGOI_100404MAEP0679.E2	04-APR-2010	09:28:47.917
EGOI_100404MAEP0691.E2	04-APR-2010	11:08:18.524
EGOI_100404MIEP8357.E2	04-APR-2010	02:17:28.777
EGOI_100404MIEP8378.E2	04-APR-2010	03:55:41.376
EGOI_100404MIEP8396.E2	04-APR-2010	14:37:46.808
EGOI_100404MMEP5814.E2	03-APR-2010	23:58:12.927
EGOI_100404MMEP5824.E2	04-APR-2010	01:39:57.046
EGOI_100404MMEP5830.E2	04-APR-2010	03:22:39.676
EGOI_100404MMEP5843.E2	04-APR-2010	11:49:06.771
EGOI_100404MMEP5866.E2	04-APR-2010	21:46:51.093
EGOI_100404MSEP0742.E2	04-APR-2010	00:35:10.154
EGOI_100404MSEP0767.E2	04-APR-2010	11:13:45.559
EGOI_100404MSEP0792.E2	04-APR-2010	12:53:43.166
EGOI_100404MSEP0826.E2	04-APR-2010	22:22:58.813

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78188	04-APR-2010	07:39:39.029	07:40:59.254	80.225000
KS	78189	04-APR-2010	09:19:13.655	09:20:59.866	106.21100
KS	78190	04-APR-2010	10:58:49.287	11:00:36.481	107.19400
KS	78191	04-APR-2010	12:38:07.944	12:39:55.087	107.14300
KS	78192	04-APR-2010	14:16:58.793	14:18:49.691	110.89800
KS	78193	04-APR-2010	15:54:48.260	15:56:36.790	108.53000
KS	78195	04-APR-2010	19:10:59.560	19:12:23.152	83.592000
KS	78196	04-APR-2010	20:50:59.152	20:52:17.764	78.612000
KS	78197	04-APR-2010	22:33:09.668	22:34:22.883	73.215000
GS	78186	04-APR-2010	03:59:04.243	04:00:26.406	82.163000
MS	78184	04-APR-2010	00:34:04.810	00:35:10.153	65.343000
MS	78190	04-APR-2010	11:11:53.486	11:13:45.558	112.07200
MS	78191	04-APR-2010	12:51:59.856	12:53:43.166	103.31000
MS	78197	04-APR-2010	22:21:42.516	22:22:58.813	76.297000
MA	78189	04-APR-2010	09:27:21.836	09:28:47.917	86.081000
MI	78185	04-APR-2010	02:15:51.661	02:17:28.776	97.115000
MI	78186	04-APR-2010	03:53:18.517	03:55:41.375	142.85800
MI	78192	04-APR-2010	14:36:13.807	14:37:46.808	93.001000

MM	78190	04-APR-2010	11:48:01.191	11:49:06.771	65.580000
MM	78196	04-APR-2010	21:44:52.555	21:46:51.093	118.53800
BE	78186	04-APR-2010	04:24:50.998	04:26:52.068	121.07000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	78183	03-APR-2010	23:46:41.147	00:01:06.908	865.76100
HO	78184	04-APR-2010	01:27:36.482	01:39:37.588	721.10600
GS	78184	04-APR-2010	00:43:25.573	00:51:35.803	490.23000
BE	78185	04-APR-2010	02:44:42.660	02:58:01.417	798.75700
SG	78185	04-APR-2010	02:56:04.401	03:09:18.751	794.35000
CM	78185	04-APR-2010	03:52:10.772	04:04:29.723	738.95100
MM	78186	04-APR-2010	05:05:13.936	05:11:01.992	348.05600
SG	78186	04-APR-2010	04:36:30.702	04:47:01.988	631.28600
MM	78187	04-APR-2010	06:46:57.542	06:53:43.504	405.96200
KS	78187	04-APR-2010	06:00:56.056	06:06:04.012	307.95600
CM	78187	04-APR-2010	05:35:14.635	05:40:19.319	304.68400
JO	78187	04-APR-2010	06:29:27.686	06:37:19.848	472.16200
MM	78188	04-APR-2010	08:27:40.462	08:36:46.099	545.63700
JO	78188	04-APR-2010	08:04:21.441	08:19:19.692	898.25100
MM	78189	04-APR-2010	10:07:58.037	10:19:04.736	666.69900
JO	78189	04-APR-2010	09:46:18.586	09:56:38.898	620.31200
HO	78190	04-APR-2010	11:57:24.818	12:10:38.136	793.31800
HO	78191	04-APR-2010	13:36:22.914	13:50:57.621	874.70700
MM	78191	04-APR-2010	13:27:50.650	13:40:33.620	762.97000
BE	78192	04-APR-2010	14:01:18.841	14:14:42.897	804.05600
HO	78192	04-APR-2010	15:17:38.211	15:25:29.830	471.61900
MM	78192	04-APR-2010	15:07:24.621	15:20:04.482	759.86100
GS	78192	04-APR-2010	14:28:54.356	14:39:54.514	660.15800
SG	78192	04-APR-2010	15:30:28.627	15:44:21.026	832.39900
BE	78193	04-APR-2010	15:43:23.803	15:52:33.439	549.63600
MM	78193	04-APR-2010	16:46:42.498	16:59:14.565	752.06700
MI	78193	04-APR-2010	16:13:18.837	16:26:35.050	796.21300
GS	78193	04-APR-2010	16:07:25.545	16:21:19.627	834.08200
CM	78193	04-APR-2010	16:16:07.373	16:28:28.680	741.30700

MM	78194	04-APR-2010	18:25:50.729	18:38:25.367	754.63800
MI	78194	04-APR-2010	17:57:47.008	17:58:53.166	66.158000
KS	78194	04-APR-2010	17:32:42.984	17:45:33.302	770.31800
GS	78194	04-APR-2010	17:47:47.676	17:58:01.922	614.24600
CM	78194	04-APR-2010	17:58:21.428	18:03:46.809	325.38100
MM	78195	04-APR-2010	20:05:06.263	20:17:49.395	763.13200
MA	78195	04-APR-2010	19:08:33.313	19:15:54.621	441.30800
JO	78195	04-APR-2010	20:24:28.114	20:39:17.289	889.17500
MA	78196	04-APR-2010	20:42:54.085	20:56:36.207	822.12200
JO	78196	04-APR-2010	22:04:47.372	22:16:43.867	716.49500
HO	78197	04-APR-2010	23:15:43.074	23:29:47.270	844.19600
MM	78197	04-APR-2010	23:25:30.400	23:37:25.223	714.82300
MA	78197	04-APR-2010	22:26:36.304	22:34:29.669	473.36500

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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	North Polar View operations
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

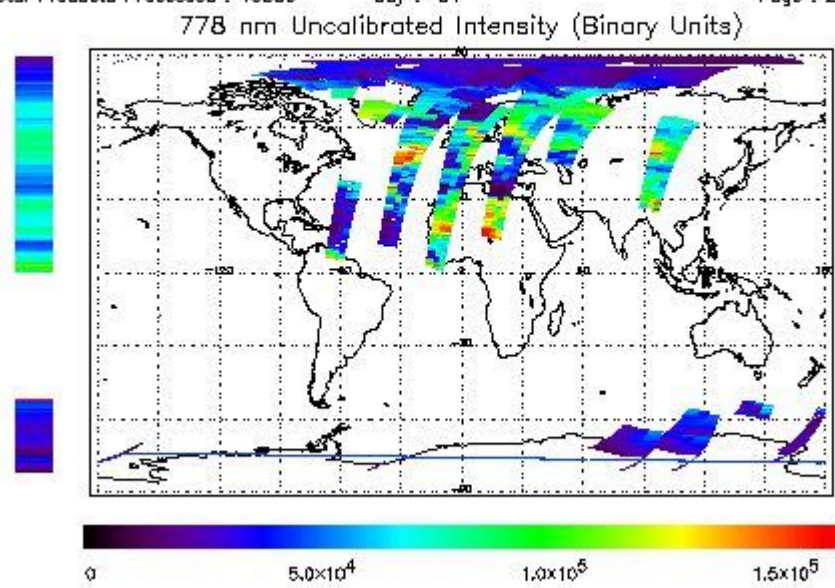
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	OK
331/338 nm Uncal. Line Ratio	OK
Uncal. PMDs as RGB signal	OK
780 nm 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

First Product : 03-APR-2010 23:58:12.927 : ORBIT : 78183.6534
 Last Product : 04-APR-2010 22:48:33.457 : ORBIT : 78197.2554
 Total Products Processed : 13359 Day : 94 Page : 21

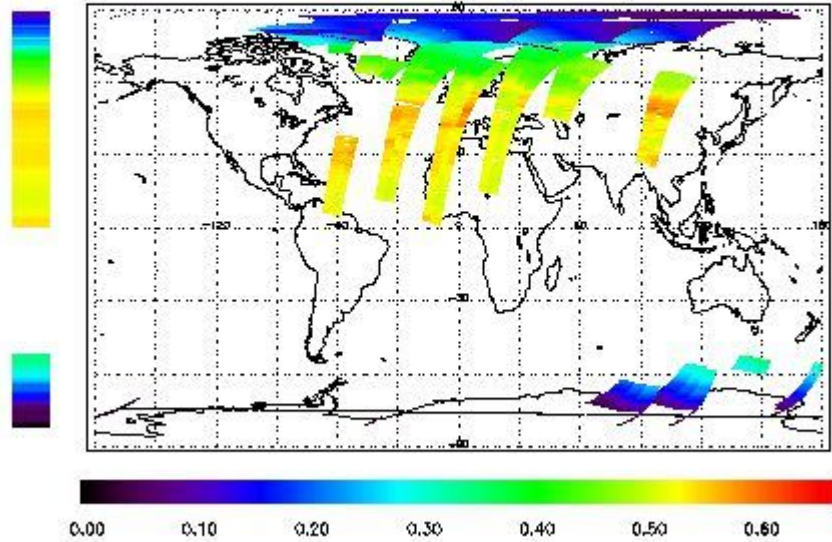


Ozone Line Ratio

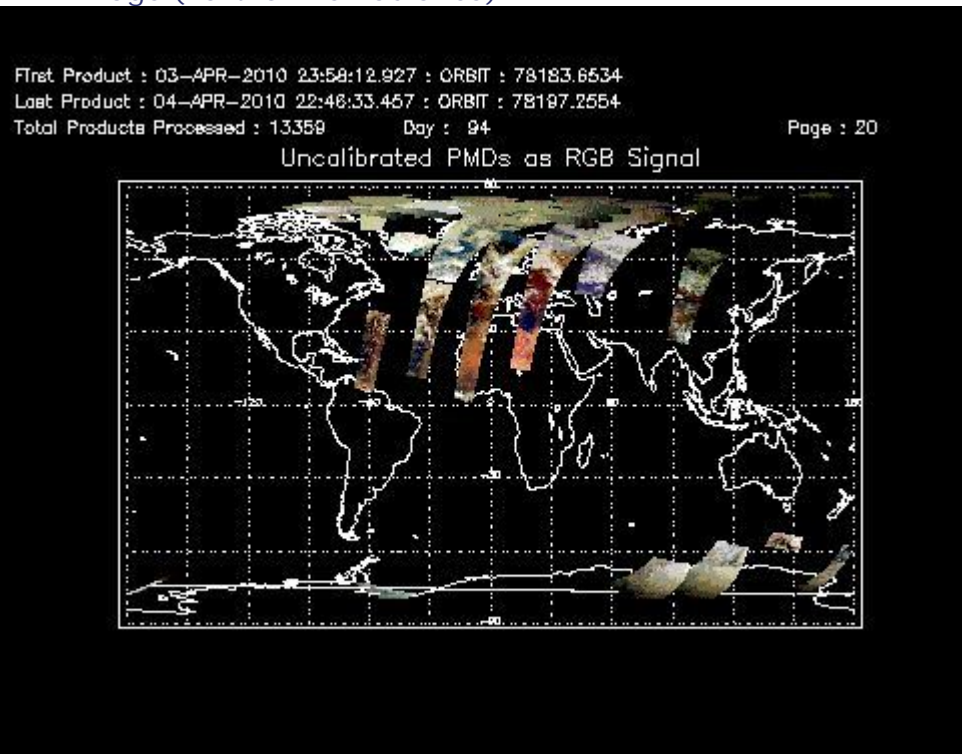
First Product : 03-APR-2010 23:58:12.927 : ORBIT : 78183.6534
 Last Product : 04-APR-2010 22:46:33.457 : ORBIT : 78197.2554
 Total Products Processed : 13358 Day : 94

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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	19:20:45.699	--	78195	Yes	--	15288

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

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
21:00	--	78196	--

5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
07:00 10-Mar	--	77830	--

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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