

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	08-MAY-2010
Start Time of First Product	00:29:42
Stop Time of Last Product	23:17:35
Number of EGOI Products analysed	35
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100508BEEP2663.E2	08-MAY-2010	03:22:35.676
EGOI_100508GSEP5871.E2	08-MAY-2010	01:13:46.885
EGOI_100508GSEP5901.E2	08-MAY-2010	02:50:47.480
EGOI_100508GSEP5928.E2	08-MAY-2010	04:32:42.103
EGOI_100508GSEP5935.E2	08-MAY-2010	06:15:39.741
EGOI_100508KSEP6098.E2	08-MAY-2010	06:32:38.339
EGOI_100508KSEP6112.E2	08-MAY-2010	08:12:23.950
EGOI_100508KSEP6127.E2	08-MAY-2010	09:52:03.560
EGOI_100508KSEP6147.E2	08-MAY-2010	11:31:41.672

EGOI_100508KSEP6165.E2	08-MAY-2010	13:10:46.783
EGOI_100508KSEP6174.E2	08-MAY-2010	14:49:30.886
EGOI_100508KSEP6190.E2	08-MAY-2010	16:27:10.485
EGOI_100508KSEP6218.E2	08-MAY-2010	18:05:08.088
EGOI_100508KSEP6249.E2	08-MAY-2010	19:43:19.187
EGOI_100508KSEP6271.E2	08-MAY-2010	21:23:48.302
EGOI_100508KSEP6295.E2	08-MAY-2010	23:06:36.933
EGOI_100508MAEP1996.E2	08-MAY-2010	08:20:52.501
EGOI_100508MAEP2013.E2	08-MAY-2010	09:59:30.607
EGOI_100508MAEP2030.E2	08-MAY-2010	21:16:10.763
EGOI_100508MIEP1922.E2	08-MAY-2010	02:47:00.961
EGOI_100508MIEP1950.E2	08-MAY-2010	04:26:40.568
EGOI_100508MMEP8028.E2	08-MAY-2010	00:29:42.110
EGOI_100508MMEP8035.E2	08-MAY-2010	02:11:50.241
EGOI_100508MMEP8041.E2	08-MAY-2010	03:54:41.872
EGOI_100508MMEP8049.E2	08-MAY-2010	05:36:58.998
EGOI_100508MMEP8057.E2	08-MAY-2010	07:18:38.621
EGOI_100508MSEP4710.E2	08-MAY-2010	10:07:27.655
EGOI_100508MSEP4738.E2	08-MAY-2010	11:44:37.250
EGOI_100508MSEP4760.E2	08-MAY-2010	13:26:03.373
EGOI_100508MSEP4772.E2	08-MAY-2010	21:18:33.275
EGOI_100508MSEP4804.E2	08-MAY-2010	22:53:12.854
EGOI_100508SGEP5464.E2	08-MAY-2010	01:54:00.628
EGOI_100508SGEP5471.E2	08-MAY-2010	03:29:16.219
EGOI_100508SGEP5477.E2	08-MAY-2010	05:11:37.846
EGOI_100508SGEP5485.E2	08-MAY-2010	16:15:02.911

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78674	08-MAY-2010	06:36:48.861	06:39:37.305	168.44400
KS	78675	08-MAY-2010	08:10:55.270	08:12:23.949	88.679000
KS	78675	08-MAY-2010	08:15:22.468	08:23:23.445	480.97700
KS	78676	08-MAY-2010	09:50:32.505	09:52:03.559	91.054000
KS	78676	08-MAY-2010	09:56:21.587	10:04:29.052	487.46500
KS	78677	08-MAY-2010	11:30:04.684	11:31:41.672	96.988000
KS	78678	08-MAY-2010	13:09:14.133	13:10:46.782	92.649000
KS	78679	08-MAY-2010	14:47:54.578	14:49:30.886	96.308000
KS	78680	08-MAY-2010	16:25:34.473	16:27:10.484	96.011000
KS	78681	08-MAY-2010	18:03:21.503	18:05:08.087	106.58400
KS	78682	08-MAY-2010	19:42:13.409	19:43:19.186	65.777000
MS	78676	08-MAY-2010	10:06:04.973	10:07:27.655	82.682000

MS	78677	08-MAY-2010	11:43:00.115	11:44:37.250	97.135000
MS	78678	08-MAY-2010	13:24:37.357	13:26:03.373	86.016000
MA	78683	08-MAY-2010	21:14:32.647	21:16:10.762	98.115000
MI	78672	08-MAY-2010	02:45:41.314	02:47:00.961	79.647000
MI	78673	08-MAY-2010	04:25:23.750	04:26:40.567	76.817000
BE	78672	08-MAY-2010	03:15:55.648	03:22:35.675	400.02700
SG	78672	08-MAY-2010	03:26:54.320	03:29:16.218	141.89800
SG	78672	08-MAY-2010	03:38:49.273	03:40:47.490	118.21700

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	78670	08-MAY-2010	00:17:43.768	00:32:21.928	878.16000
HO	78671	08-MAY-2010	02:01:23.662	02:09:30.572	486.91000
CM	78672	08-MAY-2010	02:47:04.416	02:54:14.445	430.02900
CM	78672	08-MAY-2010	04:23:24.816	04:35:36.946	732.13000
BE	78673	08-MAY-2010	04:57:01.578	05:04:59.168	477.59000
JO	78674	08-MAY-2010	06:58:14.379	07:10:06.652	712.27300
MM	78675	08-MAY-2010	08:59:13.571	09:09:01.774	588.20300
JO	78675	08-MAY-2010	08:35:37.773	08:50:27.895	890.12200
MM	78676	08-MAY-2010	10:39:26.163	10:51:00.910	694.74700
HO	78677	08-MAY-2010	12:28:22.885	12:42:52.450	869.56500
MM	78677	08-MAY-2010	12:19:25.142	12:31:55.338	750.19600
MA	78677	08-MAY-2010	11:40:00.578	11:46:53.141	412.56300
HO	78678	08-MAY-2010	14:07:57.007	14:21:12.622	795.61500
MM	78678	08-MAY-2010	13:59:09.945	14:11:53.869	763.92400
SG	78678	08-MAY-2010	14:23:59.302	14:34:58.459	659.15700
BE	78679	08-MAY-2010	14:32:41.449	14:45:52.164	790.71500
MM	78679	08-MAY-2010	15:38:38.725	15:51:15.624	756.89900
MI	78679	08-MAY-2010	15:05:55.412	15:17:36.806	701.39400
GS	78679	08-MAY-2010	14:59:34.224	15:12:23.781	769.55700
SG	78679	08-MAY-2010	16:02:02.615	16:15:05.607	782.99200
CM	78679	08-MAY-2010	15:10:31.855	15:17:36.437	424.58200
MM	78680	08-MAY-2010	17:17:52.393	17:30:23.935	751.54200
MI	78680	08-MAY-2010	16:44:54.305	16:57:08.580	734.27500
GS	78680	08-MAY-2010	16:38:47.541	16:52:12.673	805.13200

CM	78680	08-MAY-2010	16:47:23.223	16:59:31.459	728.23600
MM	78681	08-MAY-2010	18:57:00.608	19:09:38.037	757.42900
GS	78681	08-MAY-2010	18:19:53.672	18:27:14.799	441.12700
JO	78681	08-MAY-2010	19:18:19.646	19:28:33.284	613.63800
MM	78682	08-MAY-2010	20:36:23.247	20:49:07.250	764.00300
MA	78682	08-MAY-2010	19:36:04.546	19:48:01.387	716.84100
JO	78682	08-MAY-2010	20:55:35.772	21:10:34.491	898.71900
HO	78683	08-MAY-2010	22:09:58.011	22:20:56.319	658.30800
MM	78683	08-MAY-2010	22:16:23.817	22:28:52.657	748.84000
JO	78683	08-MAY-2010	22:37:32.163	22:45:33.097	480.93400
HO	78684	08-MAY-2010	23:46:41.147	00:01:06.908	865.76100
MM	78684	08-MAY-2010	23:57:20.932	00:08:52.222	691.29000

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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 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

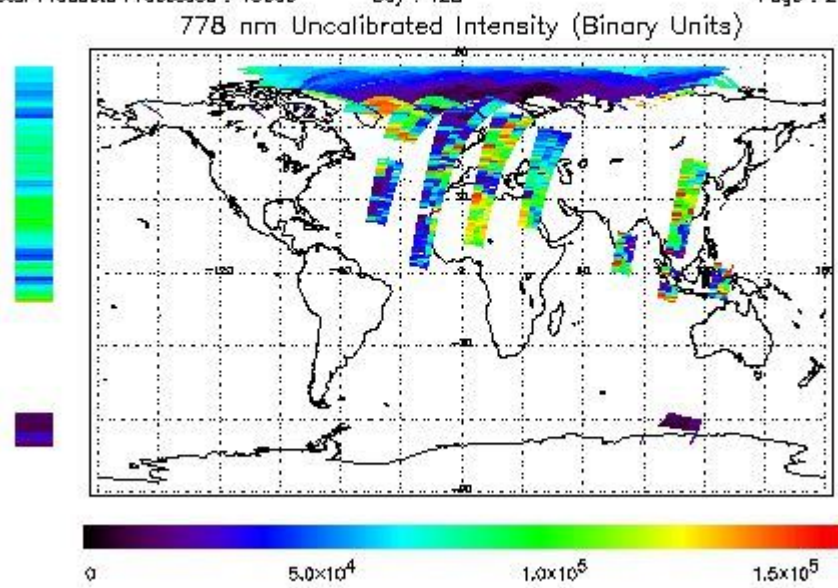
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	OK
331/338 nm Uncal. Line Ratio	OK
Uncal. PMDs as RGB signal	OK
780 nm Uncal. Intensity	OK

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 : 08-MAY-2010 00:29:42.110 : ORBIT : 78670.6521
 Last Product : 08-MAY-2010 23:17:35.499 : ORBIT : 78684.2496
 Total Products Processed : 13600 Day : 128 Page : 21

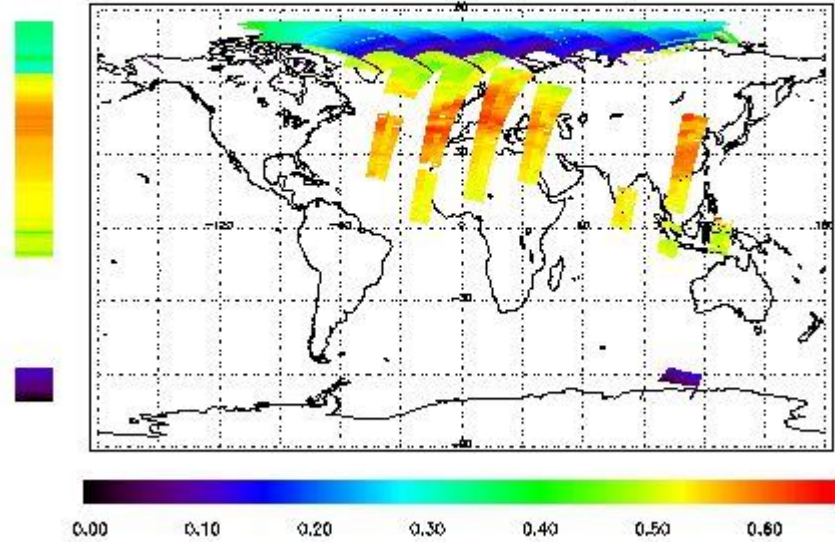


Ozone Line Ratio

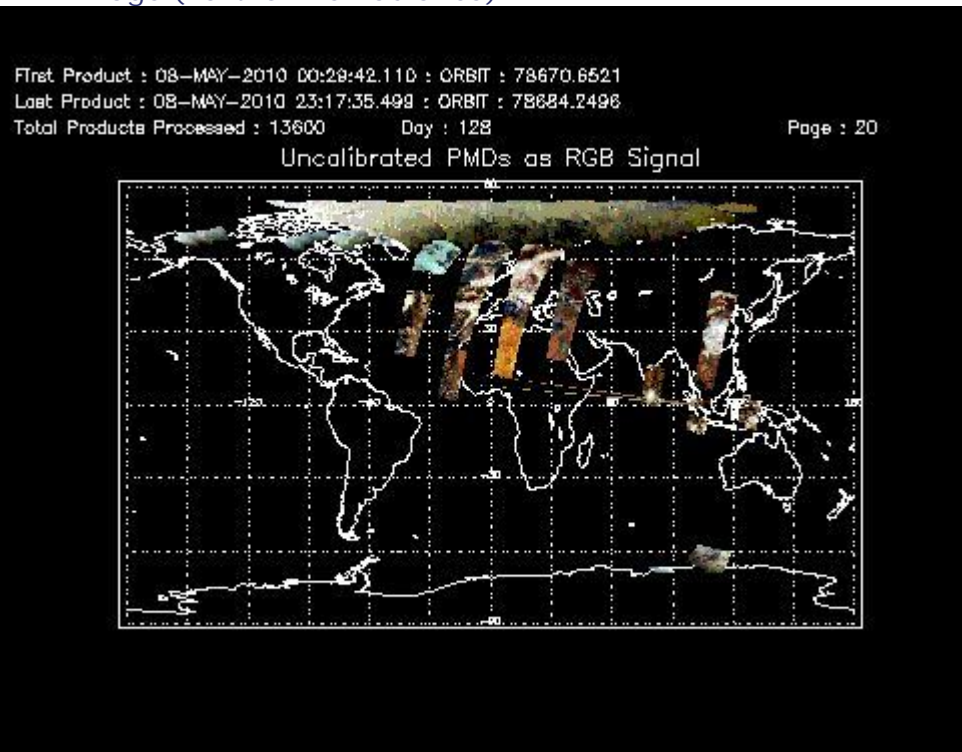
First Product : 08-MAY-2010 00:29:42.110 : ORBIT : 78670.6521
 Last Product : 08-MAY-2010 23:17:35.499 : ORBIT : 78684.2496
 Total Products Processed : 13600 Day : 128

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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