

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	26-MAY-2010
Start Time of First Product	23:59:31 (25-May)
Stop Time of Last Product	23:51:40
Number of EGOI Products analysed	40
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100526BEEP2850.E2	26-MAY-2010	02:13:24.341
EGOI_100526BEEP2855.E2	26-MAY-2010	03:51:53.435
EGOI_100526CMEP7810.E2	26-MAY-2010	05:04:43.380
EGOI_100526CMEP7813.E2	26-MAY-2010	15:45:30.772
EGOI_100526GSEP7155.E2	26-MAY-2010	01:46:27.177
EGOI_100526GSEP7159.E2	26-MAY-2010	03:25:20.279
EGOI_100526GSEP7163.E2	26-MAY-2010	05:07:56.904
EGOI_100526KSEP8758.E2	26-MAY-2010	07:06:39.627
EGOI_100526KSEP8763.E2	26-MAY-2010	08:46:35.732

EGOI_100526KSEP8791.E2	26-MAY-2010	10:26:15.332
EGOI_100526KSEP8821.E2	26-MAY-2010	12:05:41.434
EGOI_100526KSEP8850.E2	26-MAY-2010	13:44:40.537
EGOI_100526KSEP8875.E2	26-MAY-2010	15:23:12.635
EGOI_100526KSEP8904.E2	26-MAY-2010	17:00:38.731
EGOI_100526KSEP8935.E2	26-MAY-2010	18:38:36.318
EGOI_100526KSEP8961.E2	26-MAY-2010	20:17:33.920
EGOI_100526KSEP8987.E2	26-MAY-2010	21:58:57.034
EGOI_100526KSEP9010.E2	26-MAY-2010	23:42:50.167
EGOI_100526MAEP2625.E2	26-MAY-2010	20:10:48.877
EGOI_100526MAEP2647.E2	26-MAY-2010	21:50:55.488
EGOI_100526MIEP3761.E2	26-MAY-2010	01:46:13.676
EGOI_100526MIEP3766.E2	26-MAY-2010	03:20:35.247
EGOI_100526MIEP3771.E2	26-MAY-2010	05:03:04.368
EGOI_100526MIEP3794.E2	26-MAY-2010	15:40:47.245
EGOI_100526MMEP8993.E2	26-MAY-2010	01:04:46.422
EGOI_100526MMEP8998.E2	26-MAY-2010	02:47:09.548
EGOI_100526MMEP9003.E2	26-MAY-2010	04:29:52.169
EGOI_100526MMEP9012.E2	26-MAY-2010	11:14:23.125
EGOI_100526MMEP9019.E2	26-MAY-2010	12:54:13.231
EGOI_100526MMEP9028.E2	26-MAY-2010	16:13:30.938
EGOI_100526MMEP9034.E2	26-MAY-2010	17:53:39.047
EGOI_100526MSEP6671.E2	25-MAY-2010	23:59:31.028
EGOI_100526MSEP6695.E2	26-MAY-2010	10:40:18.418
EGOI_100526MSEP6723.E2	26-MAY-2010	12:18:58.018
EGOI_100526MSEP6746.E2	26-MAY-2010	21:50:08.980
EGOI_100526MSEP6775.E2	26-MAY-2010	23:27:48.574
EGOI_100526SGEP5904.E2	26-MAY-2010	02:29:15.435
EGOI_100526SGEP5909.E2	26-MAY-2010	04:07:08.529
EGOI_100526SGEP5916.E2	26-MAY-2010	14:59:07.987
EGOI_100526SGEP5921.E2	26-MAY-2010	16:39:19.098

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78932	26-MAY-2010	07:05:36.099	07:06:39.627	63.528000
KS	78933	26-MAY-2010	08:45:04.031	08:46:35.731	91.700000
KS	78934	26-MAY-2010	10:24:41.539	10:26:15.331	93.792000
KS	78935	26-MAY-2010	12:04:08.029	12:05:41.434	93.405000
KS	78936	26-MAY-2010	13:43:05.163	13:44:40.536	95.373000
KS	78937	26-MAY-2010	15:21:17.210	15:23:12.634	115.42400
KS	78938	26-MAY-2010	16:58:59.509	17:00:38.730	99.221000
KS	78939	26-MAY-2010	18:37:05.779	18:38:36.318	90.539000

KS	78940	26-MAY-2010	20:16:29.417	20:17:33.920	64.503000
KS	78941	26-MAY-2010	21:57:50.194	21:58:57.033	66.839000
GS	78930	26-MAY-2010	03:24:10.992	03:25:20.278	69.286000
MS	78928	25-MAY-2010	23:58:14.332	23:59:31.027	76.695000
MS	78934	26-MAY-2010	10:38:37.294	10:40:18.418	101.12400
MS	78935	26-MAY-2010	12:17:16.659	12:18:58.018	101.35900
MS	78942	26-MAY-2010	23:26:20.992	23:27:48.573	87.581000
MA	78940	26-MAY-2010	20:09:12.497	20:10:48.876	96.379000
MI	78930	26-MAY-2010	03:19:06.986	03:20:35.246	88.260000
MI	78931	26-MAY-2010	05:01:47.049	05:03:04.368	77.319000
MI	78937	26-MAY-2010	15:39:19.716	15:40:47.244	87.528000
MM	78938	26-MAY-2010	17:51:51.582	17:53:39.047	107.46500
BE	78929	26-MAY-2010	02:10:57.738	02:13:24.340	146.60200
BE	78930	26-MAY-2010	03:50:14.234	03:51:53.435	99.201000
SG	78929	26-MAY-2010	02:23:20.996	02:29:15.434	354.43800
SG	78930	26-MAY-2010	04:01:15.268	04:07:08.528	353.26000
SG	78936	26-MAY-2010	14:56:46.182	14:59:07.987	141.80500
SG	78937	26-MAY-2010	16:37:24.528	16:39:19.097	114.56900
CM	78937	26-MAY-2010	15:42:41.746	15:45:30.772	169.02600

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	78928	26-MAY-2010	00:52:26.335	01:06:12.444	826.10900
KS	78928	26-MAY-2010	00:15:56.864	00:19:32.904	216.04000
CM	78930	26-MAY-2010	03:18:57.506	03:29:54.055	656.54900
CM	78930	26-MAY-2010	04:58:23.556	05:08:49.796	626.24000
MM	78931	26-MAY-2010	06:12:14.186	06:18:23.996	369.81000
MM	78932	26-MAY-2010	07:53:12.607	08:01:29.164	496.55700
JO	78932	26-MAY-2010	07:30:53.768	07:44:57.939	844.17100
MM	78933	26-MAY-2010	09:33:36.710	09:44:06.963	630.25300
MA	78933	26-MAY-2010	08:54:11.253	09:06:36.102	744.84900
JO	78933	26-MAY-2010	09:10:26.654	09:23:57.945	811.29100
HO	78934	26-MAY-2010	11:24:03.949	11:35:02.761	658.81200
MA	78934	26-MAY-2010	10:32:42.187	10:44:39.005	716.81800
HO	78935	26-MAY-2010	13:02:13.508	13:17:02.597	889.08900

HO	78936	26-MAY-2010	14:42:36.689	14:53:07.055	630.36600
MM	78936	26-MAY-2010	14:33:18.262	14:46:00.880	762.61800
GS	78936	26-MAY-2010	13:56:17.564	14:03:15.776	418.21200
SG	78936	26-MAY-2010	14:56:46.182	15:10:05.588	799.40600
BE	78937	26-MAY-2010	15:07:33.917	15:19:31.355	717.43800
GS	78937	26-MAY-2010	15:33:22.884	15:47:08.693	825.80900
MI	78938	26-MAY-2010	17:20:00.268	17:29:32.533	572.26500
GS	78938	26-MAY-2010	17:13:10.800	17:25:24.601	733.80100
CM	78938	26-MAY-2010	17:22:10.175	17:32:29.889	619.71400
MM	78939	26-MAY-2010	19:31:02.105	19:43:42.736	760.63100
JO	78939	26-MAY-2010	19:50:58.881	20:04:27.262	808.38100
MM	78940	26-MAY-2010	21:10:35.217	21:23:17.655	762.43800
JO	78940	26-MAY-2010	21:29:56.936	21:44:03.156	846.22000
HO	78941	26-MAY-2010	22:42:32.185	22:55:26.470	774.28500
MM	78941	26-MAY-2010	22:50:53.473	23:03:08.145	734.67200

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1.5 - List of corrupted products

Station	Orbit	Time
MS	78940	21:50:14.979

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 Temperaturas B	OK
Charge Amp Temperatures	OK

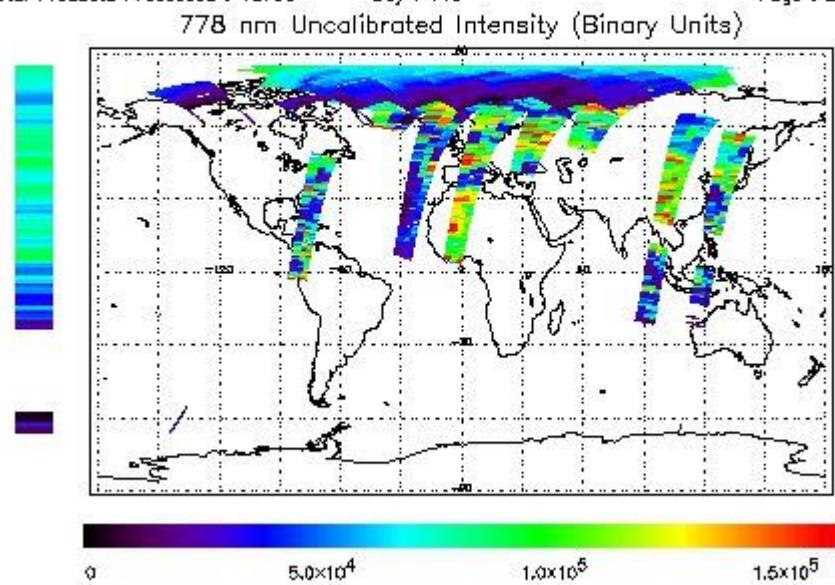
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 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 : 25-MAY-2010 23:59:31.028 : ORBIT : 78928.0092
 Last Product : 26-MAY-2010 23:51:39.717 : ORBIT : 78942.2454
 Total Products Processed : 18795 Day : 146 Page : 21

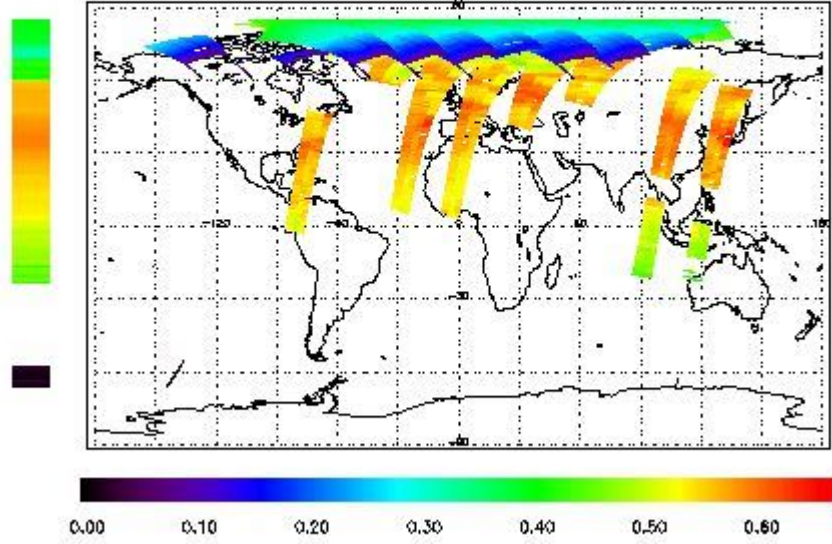


Ozone Line Ratio

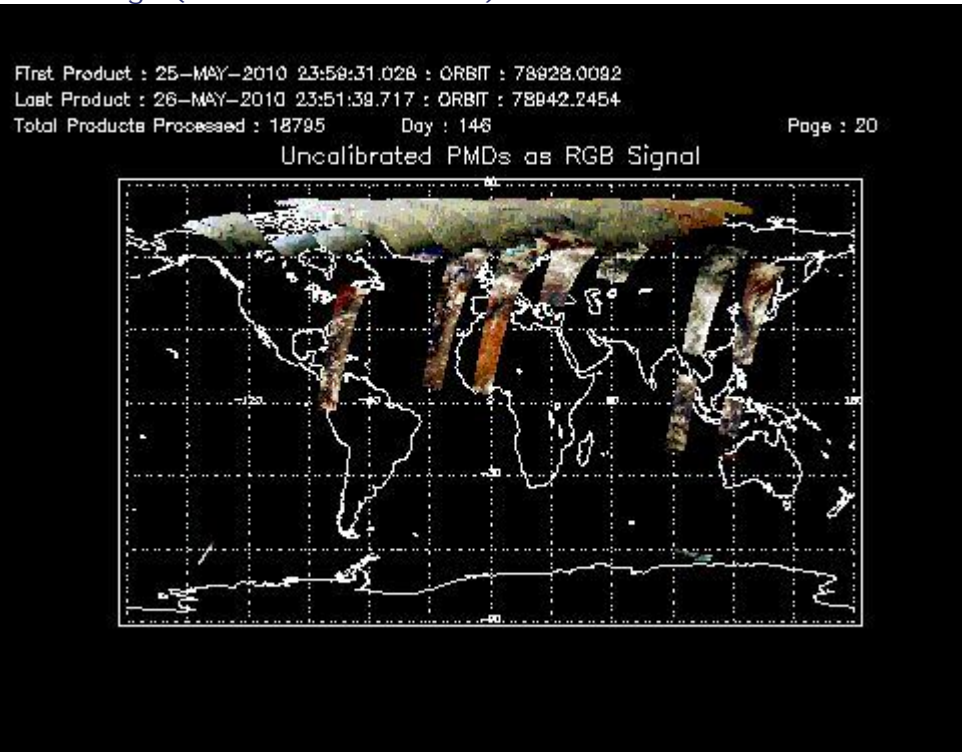
First Product : 25-MAY-2010 23:59:31.028 : ORBIT : 78928.0092
 Last Product : 26-MAY-2010 23:51:39.717 : ORBIT : 78942.2454
 Total Products Processed : 18795 Day : 146

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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	18:41:43.837	--	78939	Yes	--	14630

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
--	--	--

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
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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