

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	22-03-2010
Start Time of First Product	21-MAR-2010 23:53:59
Stop Time of Last Product	22-MAR-2010 22:55:12
Number of EGOI Products analysed	34
Number of corrupted products	--
Anomalies and/or Special Operations	no solar calibration measurements available due to the execution of an ERS-2 orbit manoeuvre

1.2 - List of received products

Name	Date	Time
EGOI_100322BEEP2204.E2	22-MAR-2010	04:35:35.334
EGOI_100322CMEP7167.E2	22-MAR-2010	16:25:29.184
EGOI_100322CMEP7179.E2	22-MAR-2010	18:08:11.812
EGOI_100322GSEP2285.E2	22-MAR-2010	00:52:18.971
EGOI_100322GSEP2317.E2	22-MAR-2010	02:28:39.058
EGOI_100322GSEP2345.E2	22-MAR-2010	04:09:18.673
EGOI_100322GSEP2351.E2	22-MAR-2010	05:51:40.301
EGOI_100322HLEP5355.E2	21-MAR-2010	23:56:59.131
EGOI_100322KSEP4466.E2	22-MAR-2010	06:10:13.413

EGOI_100322KSEP4497.E2	22-MAR-2010	07:50:02.029
EGOI_100322KSEP4522.E2	22-MAR-2010	09:29:38.637
EGOI_100322KSEP4549.E2	22-MAR-2010	11:09:15.248
EGOI_100322KSEP4580.E2	22-MAR-2010	12:48:30.856
EGOI_100322KSEP4604.E2	22-MAR-2010	14:27:22.459
EGOI_100322KSEP4619.E2	22-MAR-2010	16:05:06.559
EGOI_100322KSEP4649.E2	22-MAR-2010	17:43:04.158
EGOI_100322KSEP4684.E2	22-MAR-2010	19:21:00.262
EGOI_100322KSEP4714.E2	22-MAR-2010	21:01:03.873
EGOI_100322KSEP4743.E2	22-MAR-2010	22:43:33.004
EGOI_100322MAEP0183.E2	22-MAR-2010	09:37:23.680
EGOI_100322MAEP0191.E2	22-MAR-2010	11:16:58.795
EGOI_100322MAEP0212.E2	22-MAR-2010	20:53:27.826
EGOI_100322MIEP6925.E2	22-MAR-2010	02:25:39.039
EGOI_100322MIEP6951.E2	22-MAR-2010	04:04:27.646
EGOI_100322MIEP6974.E2	22-MAR-2010	14:45:51.073
EGOI_100322MIEP7003.E2	22-MAR-2010	16:23:42.672
EGOI_100322MSEP9185.E2	22-MAR-2010	00:44:36.924
EGOI_100322MSEP9199.E2	22-MAR-2010	11:22:22.827
EGOI_100322MSEP9223.E2	22-MAR-2010	13:02:44.438
EGOI_100322MSEP9254.E2	22-MAR-2010	22:31:23.934
EGOI_100322SGEP4447.E2	22-MAR-2010	03:06:24.293
EGOI_100322SGEP4453.E2	22-MAR-2010	04:46:51.904
EGOI_100322SGEP4460.E2	22-MAR-2010	14:04:17.818
EGOI_100322SGEP4466.E2	22-MAR-2010	15:41:04.910

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78002	22-MAR-2010	07:48:10.486	07:50:02.028	111.54200
KS	78003	22-MAR-2010	09:27:46.091	09:29:38.637	112.54600
KS	78004	22-MAR-2010	11:07:20.945	11:09:15.248	114.30300
KS	78005	22-MAR-2010	12:46:37.287	12:48:30.855	113.56800
KS	78006	22-MAR-2010	14:25:25.329	14:27:22.458	117.12900
KS	78007	22-MAR-2010	16:03:10.633	16:05:06.559	115.92600
KS	78008	22-MAR-2010	17:41:05.864	17:43:04.158	118.29400
KS	78009	22-MAR-2010	19:19:29.651	19:21:00.261	90.610000
KS	78010	22-MAR-2010	20:59:38.902	21:01:03.872	84.970000
KS	78011	22-MAR-2010	22:42:02.862	22:43:33.003	90.141000
GS	78000	22-MAR-2010	04:07:54.215	04:09:18.672	84.457000
MS	77998	22-MAR-2010	00:43:20.775	00:44:36.923	76.148000

MS	78004	22-MAR-2010	11:20:20.141	11:22:22.826	122.68500
MS	78005	22-MAR-2010	13:00:48.427	13:02:44.438	116.01100
MS	78011	22-MAR-2010	22:29:59.131	22:31:23.933	84.802000
MA	78003	22-MAR-2010	09:35:51.190	09:37:23.680	92.490000
MA	78010	22-MAR-2010	20:51:24.562	20:53:27.826	123.26400
MI	77999	22-MAR-2010	02:23:53.901	02:25:39.039	105.13800
MI	78000	22-MAR-2010	04:01:58.829	04:04:27.645	148.81600
MI	78006	22-MAR-2010	14:44:10.847	14:45:51.073	100.22600
MI	78007	22-MAR-2010	16:21:53.209	16:23:42.671	109.46200
BE	78000	22-MAR-2010	04:33:34.075	04:35:35.334	121.25900
SG	77999	22-MAR-2010	03:04:24.980	03:06:24.292	119.31200
SG	77999	22-MAR-2010	03:07:58.799	03:17:57.736	598.93700
SG	78000	22-MAR-2010	04:45:33.364	04:46:51.903	78.539000
SG	78005	22-MAR-2010	14:03:05.242	14:04:17.817	72.575000
SG	78006	22-MAR-2010	15:39:01.305	15:41:04.910	123.60500

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	77997	22-MAR-2010	00:06:03.119	00:17:27.086	683.96700
HO	77998	22-MAR-2010	01:36:27.764	01:47:54.311	686.54700
MM	77998	22-MAR-2010	01:48:10.467	01:57:41.788	571.32100
BE	77999	22-MAR-2010	02:53:12.076	03:06:35.699	803.62300
MM	77999	22-MAR-2010	03:31:08.406	03:38:18.375	429.96900
CM	77999	22-MAR-2010	04:00:37.637	04:13:02.217	744.58000
MM	78000	22-MAR-2010	05:14:00.531	05:19:47.137	346.60600
MM	78001	22-MAR-2010	06:55:37.188	07:02:33.885	416.69700
JO	78001	22-MAR-2010	06:37:08.202	06:46:24.582	556.38000
MM	78002	22-MAR-2010	08:36:16.969	08:45:34.522	557.55300
MA	78002	22-MAR-2010	07:59:07.282	08:07:05.947	478.66500
JO	78002	22-MAR-2010	08:12:49.802	08:27:51.290	901.48800
MM	78003	22-MAR-2010	10:16:33.111	10:27:47.978	674.86700
JO	78003	22-MAR-2010	09:55:33.882	10:04:34.025	540.14300
MM	78004	22-MAR-2010	11:56:35.130	12:08:56.915	741.78500
MM	78005	22-MAR-2010	13:36:23.341	13:49:06.820	763.47900
SG	78005	22-MAR-2010	14:03:05.242	14:10:40.584	455.34200

BE	78006	22-MAR-2010	14:09:49.229	14:23:14.126	804.89700
MM	78006	22-MAR-2010	15:15:55.900	15:28:34.964	759.06400
GS	78006	22-MAR-2010	14:37:13.496	14:48:09.175	655.67900
BE	78007	22-MAR-2010	15:52:36.329	16:00:37.297	480.96800
MM	78007	22-MAR-2010	16:55:12.555	17:07:44.355	751.80000
GS	78007	22-MAR-2010	16:15:57.958	16:29:47.522	829.56400
MM	78008	22-MAR-2010	18:34:20.603	18:46:55.951	755.34800
GS	78008	22-MAR-2010	17:56:30.024	18:06:04.745	574.72100
MM	78009	22-MAR-2010	20:13:37.832	20:26:21.374	763.54200
MA	78009	22-MAR-2010	19:16:24.881	19:24:43.808	498.92700
JO	78009	22-MAR-2010	20:32:55.330	20:47:52.655	897.32500
HO	78010	22-MAR-2010	21:48:52.716	21:57:36.763	524.04700
MM	78010	22-MAR-2010	21:53:27.820	22:06:03.243	755.42300
HO	78011	22-MAR-2010	23:24:07.231	23:38:20.655	853.42400
MM	78011	22-MAR-2010	23:34:10.811	23:45:59.731	708.92000
MA	78011	22-MAR-2010	22:35:59.231	22:42:28.655	389.42400

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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 Temperaturas B	OK
Charge Amp Temperatures	OK

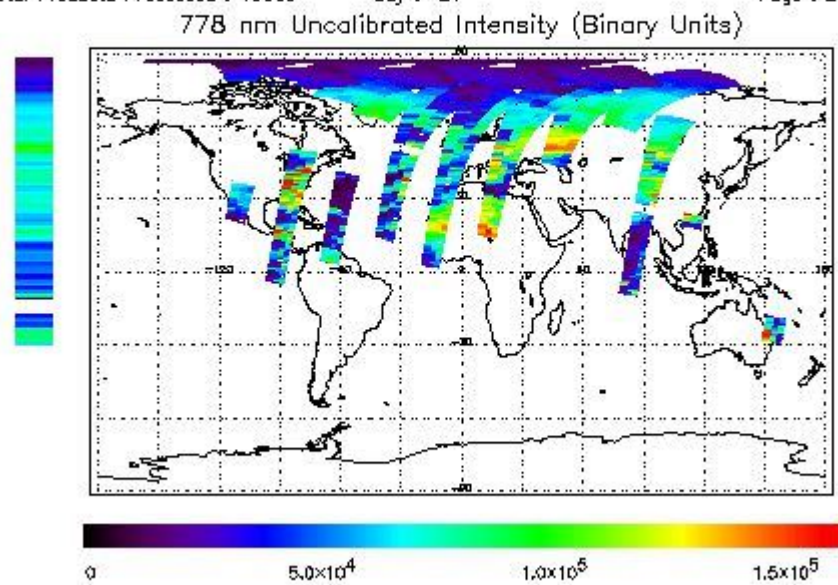
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 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

File Product : 21-MAR-2010 23:56:59.131 : ORBIT : 77997.5555
 Last Product : 22-MAR-2010 22:55:12.074 : ORBIT : 78011.2558
 Total Products Processed : 16008 Day : 81 Page : 21



Ozone Line Ratio

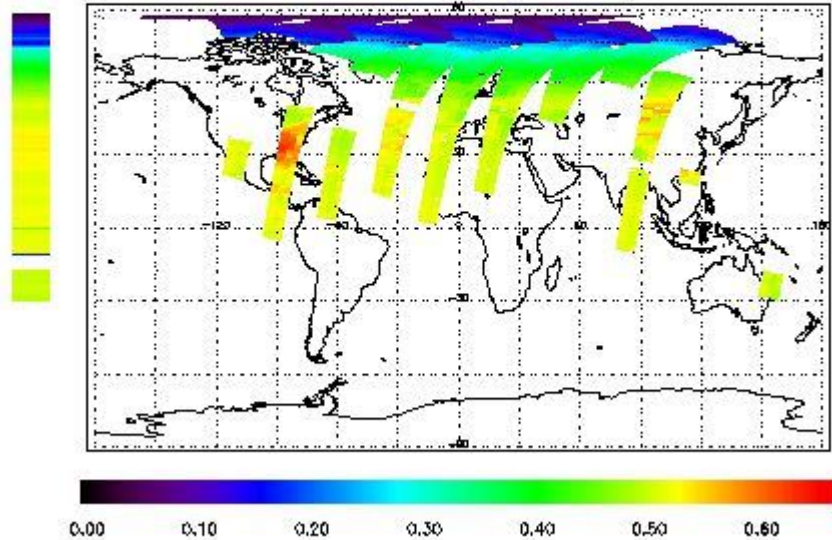
First Product : 21-MAR-2010 23:56:59.131 : ORBIT : 77997.5555

Last Product : 22-MAR-2010 22:55:12.074 : ORBIT : 78011.2558

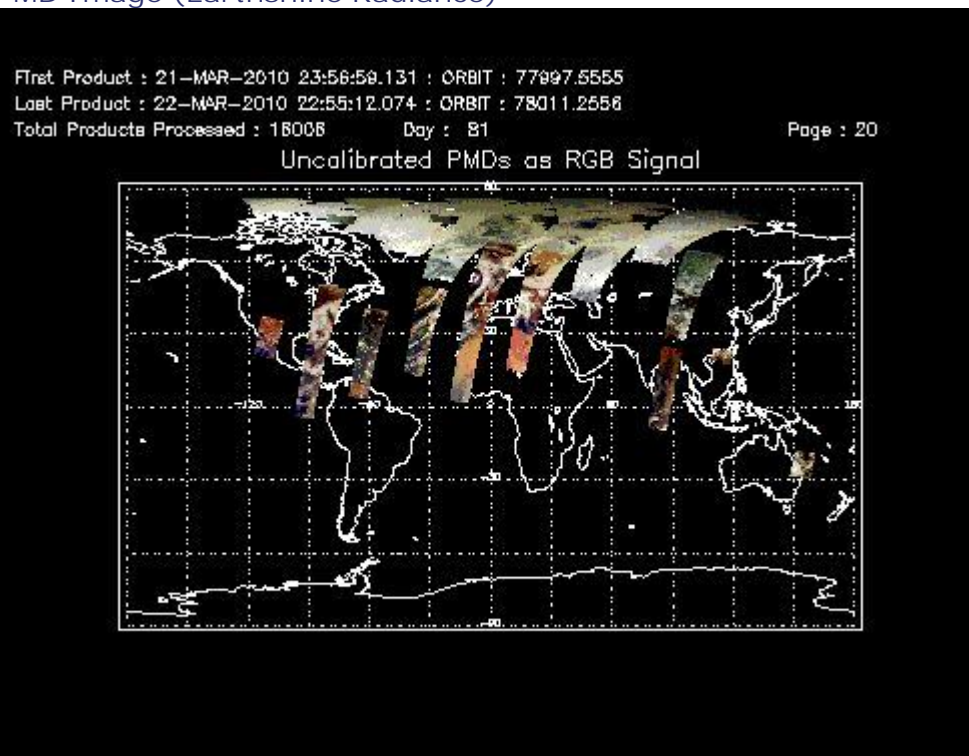
Total Products Processed : 18008 Day : 81

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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
--	--	--

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