

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	26-MAR-2010
Start Time of First Product	00:17:33
Stop Time of Last Product	22:29:33
Number of EGOI Products analysed	32
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100326BEEP2246.E2	26-MAR-2010	02:29:41.033
EGOI_100326BEEP2252.E2	26-MAR-2010	04:09:35.644
EGOI_100326CMEP7261.E2	26-MAR-2010	03:38:26.456
EGOI_100326CMEP7270.E2	26-MAR-2010	16:02:14.508
EGOI_100326CMEP7282.E2	26-MAR-2010	17:45:27.138
EGOI_100326GSEP2632.E2	26-MAR-2010	02:03:24.377
EGOI_100326GSEP2663.E2	26-MAR-2010	03:42:51.980
EGOI_100326GSEP2671.E2	26-MAR-2010	05:25:34.610
EGOI_100326KSEP5661.E2	26-MAR-2010	07:23:59.335

EGOI_100326KSEP5685.E2	26-MAR-2010	09:03:58.449
EGOI_100326KSEP5710.E2	26-MAR-2010	10:43:38.060
EGOI_100326KSEP5738.E2	26-MAR-2010	12:23:01.168
EGOI_100326KSEP5768.E2	26-MAR-2010	14:01:57.271
EGOI_100326KSEP5781.E2	26-MAR-2010	15:40:05.370
EGOI_100326KSEP5812.E2	26-MAR-2010	17:17:47.970
EGOI_100326KSEP5848.E2	26-MAR-2010	18:55:41.070
EGOI_100326KSEP5882.E2	26-MAR-2010	20:35:04.184
EGOI_100326KSEP5914.E2	26-MAR-2010	22:16:49.807
EGOI_100326MIEP7369.E2	26-MAR-2010	02:01:43.865
EGOI_100326MIEP7398.E2	26-MAR-2010	03:37:53.452
EGOI_100326MIEP7415.E2	26-MAR-2010	05:23:06.095
EGOI_100326MIEP7432.E2	26-MAR-2010	14:22:30.396
EGOI_100326MIEP7459.E2	26-MAR-2010	15:58:02.480
EGOI_100326MIEP7477.E2	26-MAR-2010	17:39:37.603
EGOI_100326MSEP9636.E2	26-MAR-2010	00:17:32.726
EGOI_100326MSEP9661.E2	26-MAR-2010	10:56:56.136
EGOI_100326MSEP9689.E2	26-MAR-2010	12:36:22.246
EGOI_100326MSEP9720.E2	26-MAR-2010	22:06:34.741
EGOI_100326SGEP4554.E2	26-MAR-2010	02:51:39.666
EGOI_100326SGEP4561.E2	26-MAR-2010	04:29:56.770
EGOI_100326SGEP4567.E2	26-MAR-2010	15:15:20.222
EGOI_100326SGEP4575.E2	26-MAR-2010	16:57:44.852

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78059	26-MAR-2010	07:22:36.881	07:23:59.335	82.454000
KS	78060	26-MAR-2010	09:02:08.793	09:03:58.448	109.655000
KS	78061	26-MAR-2010	10:41:45.615	10:43:38.059	112.444000
KS	78062	26-MAR-2010	12:21:08.467	12:23:01.168	112.701000
KS	78063	26-MAR-2010	14:00:02.226	14:01:57.270	115.044000
KS	78064	26-MAR-2010	15:38:03.115	15:40:05.370	122.255000
KS	78065	26-MAR-2010	17:15:52.304	17:17:47.969	115.665000
KS	78066	26-MAR-2010	18:54:01.405	18:55:41.069	99.664000
KS	78067	26-MAR-2010	20:33:42.477	20:35:04.184	81.707000
KS	78068	26-MAR-2010	22:15:27.381	22:16:49.806	82.425000
GS	78056	26-MAR-2010	02:02:10.722	02:03:24.376	73.654000
GS	78057	26-MAR-2010	03:41:32.709	03:42:51.979	79.270000
MS	78055	26-MAR-2010	00:15:58.650	00:17:32.726	94.076000
MS	78061	26-MAR-2010	10:55:03.359	10:56:56.135	112.776000

MS	78062	26-MAR-2010	12:34:29.073	12:36:22.246	113.17300
MS	78068	26-MAR-2010	22:05:19.134	22:06:34.740	75.606000
MS	78069	26-MAR-2010	23:43:39.329	23:45:15.845	96.516000
MI	78056	26-MAR-2010	02:00:06.474	02:01:43.864	97.390000
MI	78057	26-MAR-2010	03:36:07.042	03:37:53.451	106.40900
MI	78063	26-MAR-2010	14:21:14.637	14:22:30.395	75.758000
MI	78064	26-MAR-2010	15:56:15.541	15:58:02.480	106.93900
MI	78065	26-MAR-2010	17:38:02.795	17:39:37.602	94.807000
MI	78065	26-MAR-2010	17:43:22.625	17:45:06.792	104.16700
BE	78056	26-MAR-2010	02:27:47.389	02:29:41.033	113.64400
BE	78057	26-MAR-2010	04:07:29.940	04:09:35.644	125.70400
SG	78056	26-MAR-2010	02:39:33.718	02:51:39.665	725.94700
SG	78057	26-MAR-2010	04:18:44.346	04:29:56.769	672.42300
SG	78063	26-MAR-2010	15:13:31.604	15:15:20.221	108.61700
SG	78064	26-MAR-2010	16:55:47.669	16:57:44.851	117.18200
CM	78064	26-MAR-2010	15:59:18.441	16:02:14.507	176.06600
CM	78065	26-MAR-2010	17:39:57.495	17:45:27.137	329.64200

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	78055	26-MAR-2010	01:09:53.595	01:22:58.576	784.98100
MM	78055	26-MAR-2010	01:21:48.924	01:31:53.600	604.67600
MM	78056	26-MAR-2010	03:04:37.146	03:12:22.927	465.78100
CM	78056	26-MAR-2010	03:35:26.861	03:47:17.370	710.50900
MM	78057	26-MAR-2010	04:47:38.913	04:53:33.725	354.81200
MM	78058	26-MAR-2010	06:29:36.890	06:36:03.219	386.32900
CM	78058	26-MAR-2010	05:16:24.641	05:24:57.970	513.32900
MM	78059	26-MAR-2010	08:10:26.930	08:19:08.230	521.30000
JO	78059	26-MAR-2010	07:47:32.307	08:02:11.957	879.65000
MM	78060	26-MAR-2010	09:50:47.585	10:01:36.802	649.21700
MA	78060	26-MAR-2010	09:11:10.087	09:23:42.544	752.45700
JO	78060	26-MAR-2010	09:28:12.124	09:40:27.175	735.05100
MM	78061	26-MAR-2010	11:30:53.020	11:43:02.445	729.42500
MA	78061	26-MAR-2010	10:49:55.176	11:01:07.481	672.30500
MM	78062	26-MAR-2010	13:10:44.926	13:23:26.237	761.31100

HO	78063	26-MAR-2010	15:00:05.205	15:09:12.158	546.95300
MM	78063	26-MAR-2010	14:50:21.690	15:03:03.046	761.35600
GS	78063	26-MAR-2010	14:12:25.204	14:21:48.930	563.72600
SG	78063	26-MAR-2010	15:13:31.604	15:27:18.841	827.23700
BE	78064	26-MAR-2010	15:25:19.500	15:36:09.119	649.61900
MM	78064	26-MAR-2010	16:29:42.148	16:42:15.012	752.86400
GS	78064	26-MAR-2010	15:50:22.744	16:04:18.105	835.36100
MM	78065	26-MAR-2010	18:08:51.113	18:21:24.503	753.39000
GS	78065	26-MAR-2010	17:30:27.136	17:41:48.042	680.90600
MM	78066	26-MAR-2010	19:48:03.791	20:00:45.817	762.02600
MA	78066	26-MAR-2010	18:53:07.927	18:57:26.265	258.33800
JO	78066	26-MAR-2010	20:07:39.148	20:21:58.385	859.23700
MM	78067	26-MAR-2010	21:27:43.163	21:40:23.554	760.39100
MA	78067	26-MAR-2010	20:25:59.227	20:39:45.063	825.83600
JO	78067	26-MAR-2010	21:47:17.715	22:00:30.488	792.77300
HO	78068	26-MAR-2010	22:59:14.270	23:12:37.771	803.50100
MM	78068	26-MAR-2010	23:08:11.002	23:20:16.491	725.48900
MA	78068	26-MAR-2010	22:08:21.726	22:18:10.475	588.74900

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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

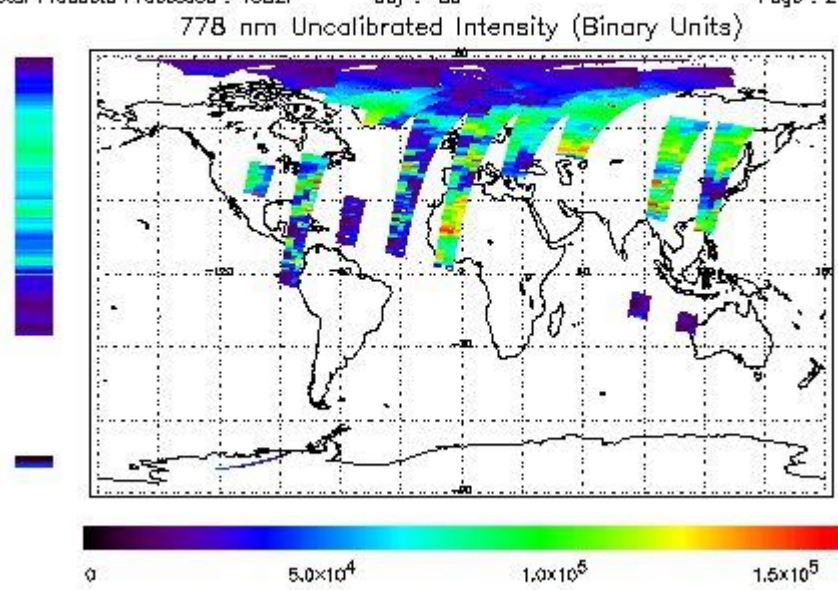
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected 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 : 26-MAR-2010 00:17:32.726 : ORBIT : 78055.0170
 Last Product : 26-MAR-2010 22:29:33.381 : ORBIT : 78068.2578
 Total Products Processed : 13827 Day : 85 Page : 21



Ozone Line Ratio

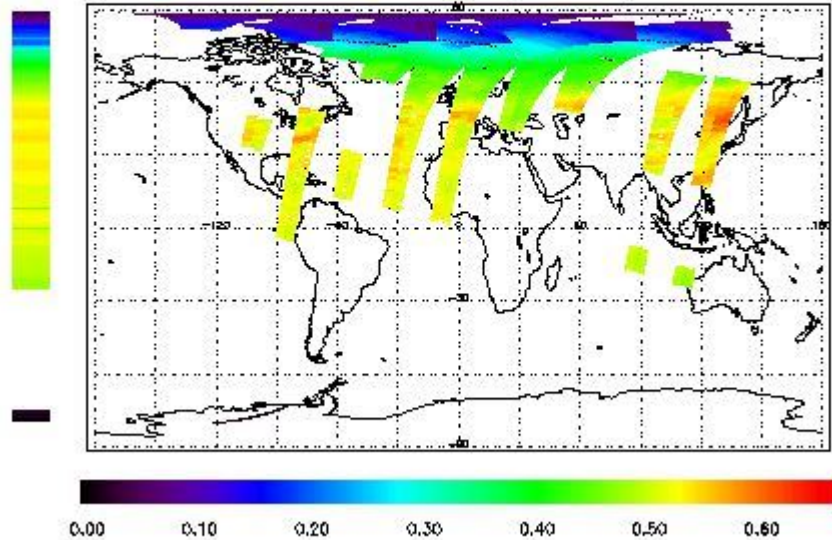
First Product : 26-MAR-2010 00:17:32.726 : ORBIT : 78055.0170

Last Product : 26-MAR-2010 22:29:33.381 : ORBIT : 78068.2578

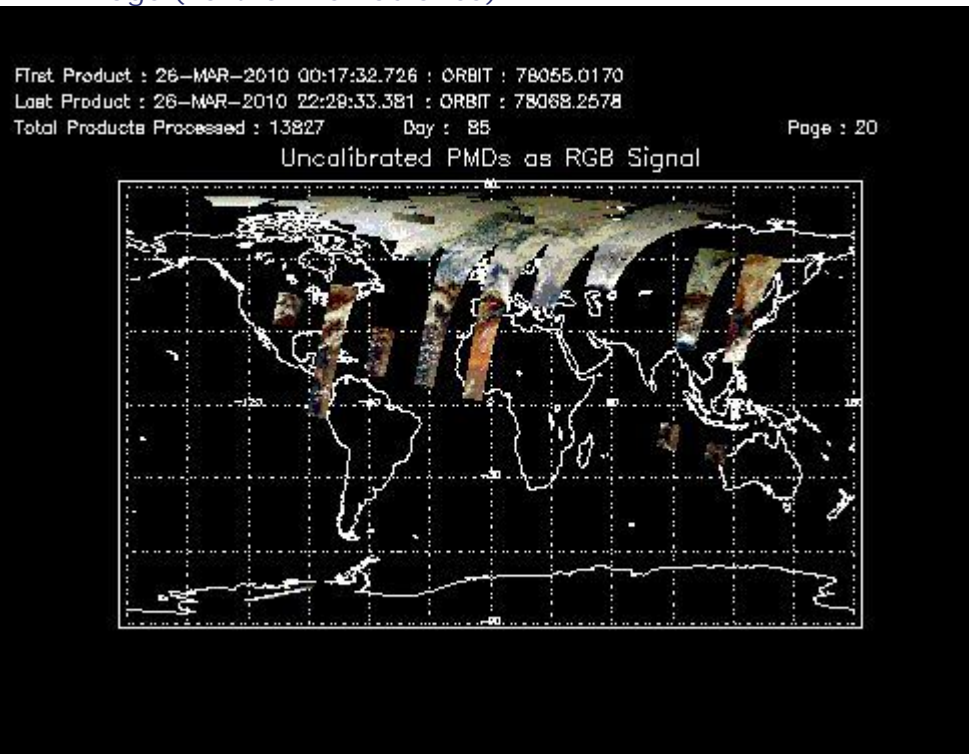
Total Products Processed : 13827 Day : 85

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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	14:02:46.774	--	78063	Yes	--	15381

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
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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
--	--	--	--	--

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
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