

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	21-MAR-2010
Start Time of First Product	23:49:04 (20-Mar)
Stop Time of Last Product	23:26:27
Number of EGOI Products analysed	33
Number of corrupted products	--
Anomalies and/or Special Operations	no solar calibration measurements available due to missing data

1.2 - List of received products

Name	Date	Time
EGOI_100321BEEP2196.E2	21-MAR-2010	03:26:27.600
EGOI_100321GSEP2196.E2	21-MAR-2010	01:22:17.840
EGOI_100321GSEP2228.E2	21-MAR-2010	02:59:45.439
EGOI_100321GSEP2255.E2	21-MAR-2010	04:42:07.062
EGOI_100321GSEP2262.E2	21-MAR-2010	06:23:58.688
EGOI_100321HLEP5339.E2	21-MAR-2010	11:04:27.401
EGOI_100321HLEP5348.E2	21-MAR-2010	14:25:03.132
EGOI_100321KSEP4181.E2	20-MAR-2010	23:49:03.768
EGOI_100321KSEP4199.E2	21-MAR-2010	06:41:22.794

EGOI_100321KSEP4221.E2	21-MAR-2010	08:21:18.902
EGOI_100321KSEP4244.E2	21-MAR-2010	10:00:58.514
EGOI_100321KSEP4270.E2	21-MAR-2010	11:40:33.625
EGOI_100321KSEP4291.E2	21-MAR-2010	13:19:35.732
EGOI_100321KSEP4303.E2	21-MAR-2010	14:58:18.335
EGOI_100321KSEP4322.E2	21-MAR-2010	16:35:54.934
EGOI_100321KSEP4353.E2	21-MAR-2010	18:13:54.034
EGOI_100321KSEP4388.E2	21-MAR-2010	19:52:21.633
EGOI_100321KSEP4416.E2	21-MAR-2010	21:33:04.257
EGOI_100321KSEP4444.E2	21-MAR-2010	23:16:01.880
EGOI_100321MAEP0133.E2	21-MAR-2010	08:29:44.453
EGOI_100321MAEP0149.E2	21-MAR-2010	10:08:24.061
EGOI_100321MAEP0170.E2	21-MAR-2010	21:25:13.206
EGOI_100321MIEP6817.E2	21-MAR-2010	02:55:43.916
EGOI_100321MIEP6844.E2	21-MAR-2010	04:36:01.026
EGOI_100321MIEP6871.E2	21-MAR-2010	15:15:55.941
EGOI_100321MIEP6899.E2	21-MAR-2010	16:55:25.052
EGOI_100321MSEP9063.E2	21-MAR-2010	10:15:58.604
EGOI_100321MSEP9093.E2	21-MAR-2010	11:53:30.703
EGOI_100321MSEP9113.E2	21-MAR-2010	13:35:29.826
EGOI_100321MSEP9130.E2	21-MAR-2010	21:26:52.218
EGOI_100321MSEP9162.E2	21-MAR-2010	23:02:18.298
EGOI_100321SGEP4434.E2	21-MAR-2010	14:36:30.202
EGOI_100321SGEP4440.E2	21-MAR-2010	16:15:14.305

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77987	21-MAR-2010	06:40:08.954	06:41:22.793	73.839000
KS	77988	21-MAR-2010	08:19:27.322	08:21:18.901	111.57900
KS	77989	21-MAR-2010	09:59:04.848	10:00:58.514	113.66600
KS	77990	21-MAR-2010	11:38:35.797	11:40:33.625	117.82800
KS	77991	21-MAR-2010	13:17:42.387	13:19:35.732	113.34500
KS	77992	21-MAR-2010	14:56:18.663	14:58:18.334	119.67100
KS	77993	21-MAR-2010	16:33:56.000	16:35:54.934	118.93400
KS	77994	21-MAR-2010	18:11:46.609	18:13:54.033	127.42400
KS	77995	21-MAR-2010	19:50:46.202	19:52:21.632	95.430000
KS	77996	21-MAR-2010	21:31:33.208	21:33:04.256	91.048000
KS	77997	21-MAR-2010	23:14:51.149	23:16:01.879	70.730000
GS	77984	21-MAR-2010	01:20:57.677	01:22:17.839	80.162000
GS	77985	21-MAR-2010	02:58:24.574	02:59:45.439	80.865000

GS	77986	21-MAR-2010	04:40:49.140	04:42:07.062	77.922000
MS	77989	21-MAR-2010	10:14:00.795	10:15:58.603	117.80800
MS	77990	21-MAR-2010	11:51:27.499	11:53:30.702	123.20300
MS	77997	21-MAR-2010	23:00:44.420	23:02:18.298	93.878000
MA	77988	21-MAR-2010	08:28:21.459	08:29:44.453	82.994000
MA	77989	21-MAR-2010	10:07:08.311	10:08:24.061	75.750000
MA	77996	21-MAR-2010	21:23:11.242	21:25:13.206	121.96400
MI	77985	21-MAR-2010	02:53:58.185	02:55:43.916	105.73100
MI	77986	21-MAR-2010	04:34:18.596	04:36:01.025	102.42900
MI	77992	21-MAR-2010	15:14:12.351	15:15:55.940	103.58900
MI	77993	21-MAR-2010	16:53:36.221	16:55:25.052	108.83100
BE	77985	21-MAR-2010	03:24:28.806	03:26:27.599	118.79300
SG	77991	21-MAR-2010	14:32:04.160	14:36:30.202	266.04200
SG	77992	21-MAR-2010	16:10:46.514	16:15:14.304	267.79000
missing	from				

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	77983	21-MAR-2010	00:26:14.533	00:40:52.435	877.90200
MM	77983	21-MAR-2010	00:38:01.976	00:48:55.773	653.79700
BE	77984	21-MAR-2010	01:45:58.003	01:56:45.763	647.76000
MM	77984	21-MAR-2010	02:20:28.258	02:29:15.852	527.59400
MM	77985	21-MAR-2010	04:03:32.958	04:10:04.036	391.07800
SG	77985	21-MAR-2010	03:35:25.383	03:49:16.039	830.65600
CM	77985	21-MAR-2010	02:54:50.711	03:03:19.576	508.86500
CM	77985	21-MAR-2010	04:32:03.570	04:44:00.162	716.59200
MM	77986	21-MAR-2010	05:46:05.677	05:51:58.277	352.60000
MM	77987	21-MAR-2010	07:27:19.337	07:34:58.862	459.52500
JO	77987	21-MAR-2010	07:06:18.730	07:18:53.028	754.29800
MM	77988	21-MAR-2010	09:07:49.542	09:17:48.737	599.19500
JO	77988	21-MAR-2010	08:44:15.558	08:58:53.513	877.95500
MM	77989	21-MAR-2010	10:48:00.881	10:59:42.366	701.48500
MM	77990	21-MAR-2010	12:27:58.707	12:40:31.471	752.76400
MA	77990	21-MAR-2010	11:48:56.296	11:54:34.571	338.27500
HO	77991	21-MAR-2010	14:16:36.882	14:29:24.322	767.44000

MM	77991	21-MAR-2010	14:07:42.203	14:20:25.994	763.79100
SG	77991	21-MAR-2010	14:32:04.160	14:43:51.538	707.37800
BE	77992	21-MAR-2010	14:41:20.451	14:54:19.236	778.78500
MM	77992	21-MAR-2010	15:47:09.571	15:59:45.679	756.10800
GS	77992	21-MAR-2010	15:07:59.745	15:21:08.561	788.81600
CM	77992	21-MAR-2010	15:18:21.654	15:26:52.078	510.42400
MM	77993	21-MAR-2010	17:26:22.236	17:38:53.857	751.62100
GS	77993	21-MAR-2010	16:47:22.316	17:00:33.617	791.30100
CM	77993	21-MAR-2010	16:56:00.556	17:07:51.868	711.31200
MM	77994	21-MAR-2010	19:05:30.785	19:18:09.030	758.24500
JO	77994	21-MAR-2010	19:26:22.092	19:37:40.451	678.35900
MM	77995	21-MAR-2010	20:44:55.781	20:57:39.675	763.89400
MA	77995	21-MAR-2010	19:44:18.178	19:56:44.565	746.38700
JO	77995	21-MAR-2010	21:04:08.738	21:19:00.573	891.83500
HO	77996	21-MAR-2010	22:18:01.540	22:29:37.367	695.82700
MM	77996	21-MAR-2010	22:25:00.576	22:37:26.375	745.79900
JO	77996	21-MAR-2010	22:46:48.377	22:53:00.620	372.24300
HO	77997	21-MAR-2010	23:55:08.669	00:09:38.961	870.29200

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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

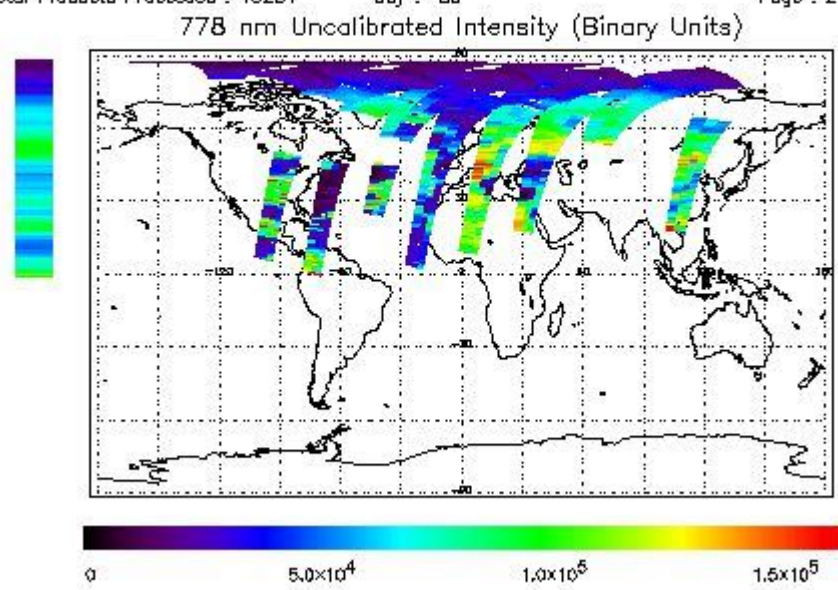
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected 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

First Product : 20-MAR-2010 23:49:03.768 : ORBIT : 77983.1624
 Last Product : 21-MAR-2010 23:26:27.450 : ORBIT : 77997.2520
 Total Products Processed : 15281 Day : 80 Page : 21



Ozone Line Ratio

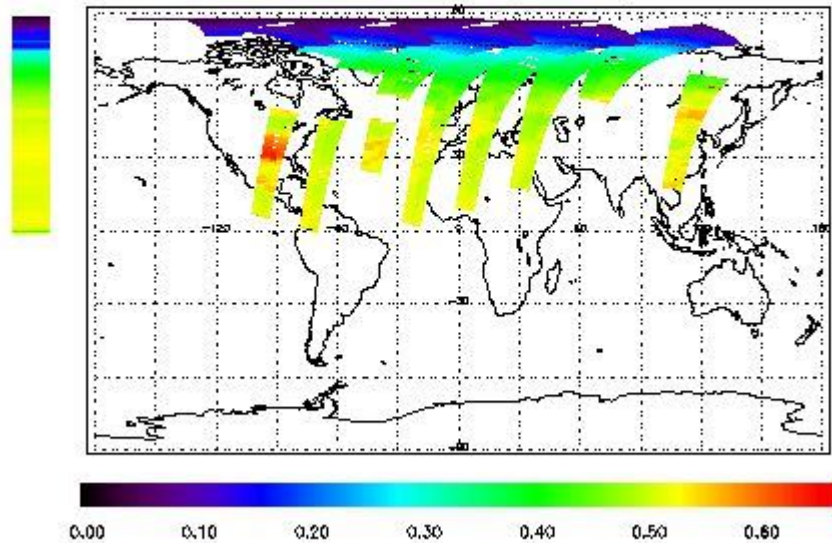
First Product : 20-MAR-2010 23:49:03.768 : ORBIT : 77983.1624

Last Product : 21-MAR-2010 23:26:27.450 : ORBIT : 77997.2520

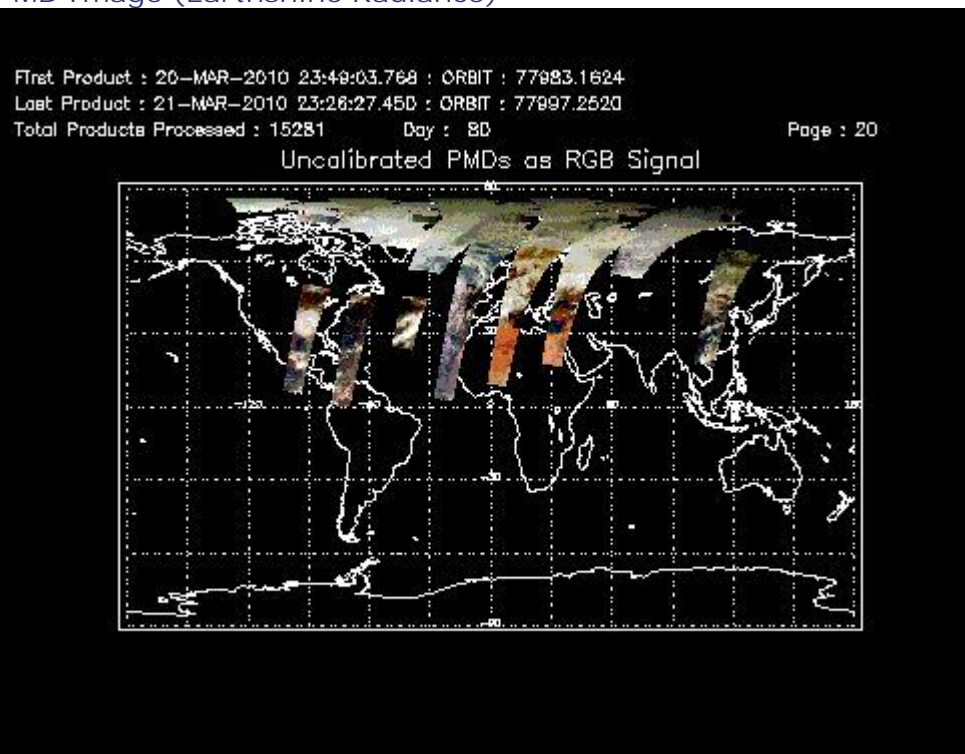
Total Products Processed : 15281 Day : 80

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

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
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