

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	20-MAR-2010
Start Time of First Product	00:05:46
Stop Time of Last Product	23:47:22
Number of EGOI Products analysed	33
Number of corrupted products	--
Anomalies and/or Special Operations	long science dump over CM, orbit 75972, time interval: 05:08:49-05:12:40

1.2 - List of received products

Name	Date	Time
EGOI_100320BEEP2189.E2	20-MAR-2010	02:18:37.868
EGOI_100320CMEP7144.E2	20-MAR-2010	03:26:44.284
EGOI_100320CMEP7156.E2	20-MAR-2010	05:08:49.414
EGOI_100320GSEP2131.E2	20-MAR-2010	01:52:22.708
EGOI_100320GSEP2162.E2	20-MAR-2010	03:31:14.311
EGOI_100320GSEP2170.E2	20-MAR-2010	05:14:07.445
EGOI_100320HLEP5329.E2	20-MAR-2010	22:49:52.907
EGOI_100320KSEP3895.E2	20-MAR-2010	07:12:39.666
EGOI_100320KSEP3917.E2	20-MAR-2010	08:52:38.777

EGOI_100320KSEP3945.E2	20-MAR-2010	10:32:18.390
EGOI_100320KSEP3978.E2	20-MAR-2010	12:11:43.001
EGOI_100320KSEP4009.E2	20-MAR-2010	13:50:42.104
EGOI_100320KSEP4037.E2	20-MAR-2010	15:29:06.707
EGOI_100320KSEP4058.E2	20-MAR-2010	17:06:34.307
EGOI_100320KSEP4092.E2	20-MAR-2010	18:44:36.406
EGOI_100320KSEP4127.E2	20-MAR-2010	20:23:40.010
EGOI_100320KSEP4158.E2	20-MAR-2010	22:05:13.633
EGOI_100320MAEP0111.E2	20-MAR-2010	09:00:07.324
EGOI_100320MAEP0121.E2	20-MAR-2010	10:39:49.935
EGOI_100320MIEP6688.E2	20-MAR-2010	01:51:31.704
EGOI_100320MIEP6717.E2	20-MAR-2010	03:26:33.784
EGOI_100320MIEP6740.E2	20-MAR-2010	05:09:43.418
EGOI_100320MIEP6766.E2	20-MAR-2010	15:46:41.313
EGOI_100320MIEP6793.E2	20-MAR-2010	17:27:40.436
EGOI_100320MSEP8931.E2	20-MAR-2010	00:05:46.058
EGOI_100320MSEP8952.E2	20-MAR-2010	10:46:06.476
EGOI_100320MSEP8980.E2	20-MAR-2010	12:25:04.079
EGOI_100320MSEP9010.E2	20-MAR-2010	21:55:57.074
EGOI_100320MSEP9041.E2	20-MAR-2010	23:33:54.678
EGOI_100320SGEP4401.E2	20-MAR-2010	02:30:36.439
EGOI_100320SGEP4410.E2	20-MAR-2010	04:08:52.046
EGOI_100320SGEP4417.E2	20-MAR-2010	15:04:03.550
EGOI_100320SGEP4424.E2	20-MAR-2010	16:45:29.674

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77973	20-MAR-2010	07:11:16.174	07:12:39.666	83.492000
KS	77974	20-MAR-2010	08:50:45.601	08:52:38.776	113.17500
KS	77975	20-MAR-2010	10:30:22.937	10:32:18.390	115.45300
KS	77976	20-MAR-2010	12:09:48.276	12:11:43.001	114.72500
KS	77977	20-MAR-2010	13:48:43.191	13:50:42.104	118.91300
KS	77978	20-MAR-2010	15:26:52.611	15:29:06.707	134.09600
KS	77979	20-MAR-2010	17:04:34.641	17:06:34.307	119.66600
KS	77980	20-MAR-2010	18:42:44.051	18:44:36.405	112.35400
KS	77981	20-MAR-2010	20:22:13.381	20:23:40.010	86.629000
KS	77982	20-MAR-2010	22:03:42.047	22:05:13.632	91.585000
GS	77970	20-MAR-2010	01:51:06.168	01:52:22.708	76.540000
GS	77971	20-MAR-2010	03:29:57.218	03:31:14.311	77.093000
MS	77969	20-MAR-2010	00:04:07.178	00:05:46.057	98.879000

MS	77975	20-MAR-2010	10:44:06.300	10:46:06.475	120.17500
MS	77976	20-MAR-2010	12:23:00.976	12:25:04.079	123.10300
MS	77982	20-MAR-2010	21:54:32.069	21:55:57.073	85.004000
MS	77983	20-MAR-2010	23:32:05.796	23:33:54.678	108.88200
MA	77975	20-MAR-2010	10:38:24.001	10:39:49.934	85.933000
MI	77970	20-MAR-2010	01:50:00.769	01:51:31.704	90.935000
MI	77971	20-MAR-2010	03:24:45.762	03:26:33.784	108.02200
MI	77972	20-MAR-2010	05:08:10.370	05:09:43.418	93.048000
MI	77978	20-MAR-2010	15:44:57.453	15:46:41.312	103.85900
MI	77979	20-MAR-2010	17:25:57.650	17:27:40.435	102.78500
BE	77970	20-MAR-2010	02:16:33.578	02:18:37.868	124.29000
SG	77970	20-MAR-2010	02:28:42.790	02:30:36.439	113.64900
SG	77971	20-MAR-2010	04:07:03.379	04:08:52.045	108.66600
SG	77977	20-MAR-2010	15:02:19.958	15:04:03.550	103.59200
SG	77978	20-MAR-2010	16:43:27.276	16:45:29.673	122.39700
CM	77971	20-MAR-2010	03:24:25.502	03:26:44.284	138.78200
Missing	from				

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	77969	20-MAR-2010	00:58:16.113	01:11:47.917	811.80400
MM	77969	20-MAR-2010	01:10:07.274	01:20:25.893	618.61900
KS	77969	20-MAR-2010	00:22:22.251	00:24:51.689	149.43800
MM	77970	20-MAR-2010	02:52:50.240	03:00:52.466	482.22600
BE	77971	20-MAR-2010	03:55:58.946	04:08:18.212	739.26600
MM	77971	20-MAR-2010	04:35:54.345	04:41:56.344	361.99900
MM	77972	20-MAR-2010	06:18:02.000	06:24:16.920	374.92000
MM	77973	20-MAR-2010	07:58:57.476	08:07:22.304	504.82800
JO	77973	20-MAR-2010	07:36:25.379	07:50:43.345	857.96600
MM	77974	20-MAR-2010	09:39:20.384	09:49:57.118	636.73400
JO	77974	20-MAR-2010	09:16:19.945	09:29:29.169	789.22400
MM	77975	20-MAR-2010	11:19:27.355	11:31:30.249	722.89400
MM	77976	20-MAR-2010	12:59:20.865	13:12:00.548	759.68300
HO	77977	20-MAR-2010	14:48:25.321	14:58:21.871	596.55000
MM	77977	20-MAR-2010	14:38:59.459	14:51:41.691	762.23200

GS	77977	20-MAR-2010	14:01:36.447	14:09:31.192	474.74500
SG	77977	20-MAR-2010	15:02:19.958	15:15:51.286	811.32800
BE	77978	20-MAR-2010	15:13:27.414	15:25:05.070	697.65600
MM	77978	20-MAR-2010	16:18:21.716	16:30:55.289	753.57300
GS	77978	20-MAR-2010	15:39:02.485	15:52:52.732	830.24700
CM	77978	20-MAR-2010	15:48:12.410	15:59:36.669	684.25900
MM	77979	20-MAR-2010	17:57:31.423	18:10:04.132	752.70900
GS	77979	20-MAR-2010	17:18:55.845	17:30:53.403	717.55800
CM	77979	20-MAR-2010	17:28:03.522	17:37:52.548	589.02600
MM	77980	20-MAR-2010	19:36:42.586	19:49:23.707	761.12100
JO	77980	20-MAR-2010	19:56:31.193	20:10:19.132	827.93900
MM	77981	20-MAR-2010	21:16:17.711	21:28:59.571	761.86000
MA	77981	20-MAR-2010	20:14:47.163	20:28:33.972	826.80900
JO	77981	20-MAR-2010	21:35:43.014	21:49:33.651	830.63700
HO	77982	20-MAR-2010	22:48:03.694	23:01:09.897	786.20300
MM	77982	20-MAR-2010	22:56:39.111	23:08:50.884	731.77300
MA	77982	20-MAR-2010	21:55:51.159	22:07:08.378	677.21900

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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

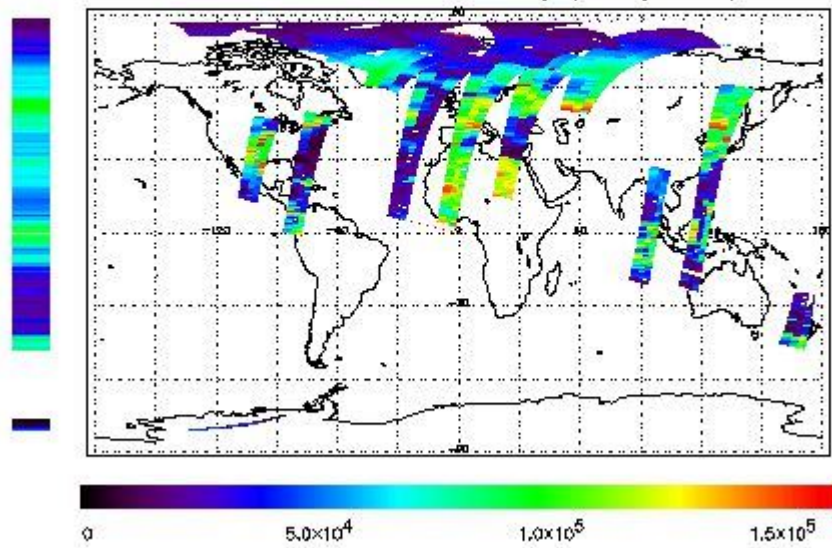
2.2 - Daily Plots

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 00:05:46.058 : ORBIT : 77969.0142
 Last Product : 20-MAR-2010 23:47:21.760 : ORBIT : 77983.1455
 Total Products Processed : 15814 Day : 79 Page : 21

778 nm Uncalibrated Intensity (Binary Units)



Ozone Line Ratio

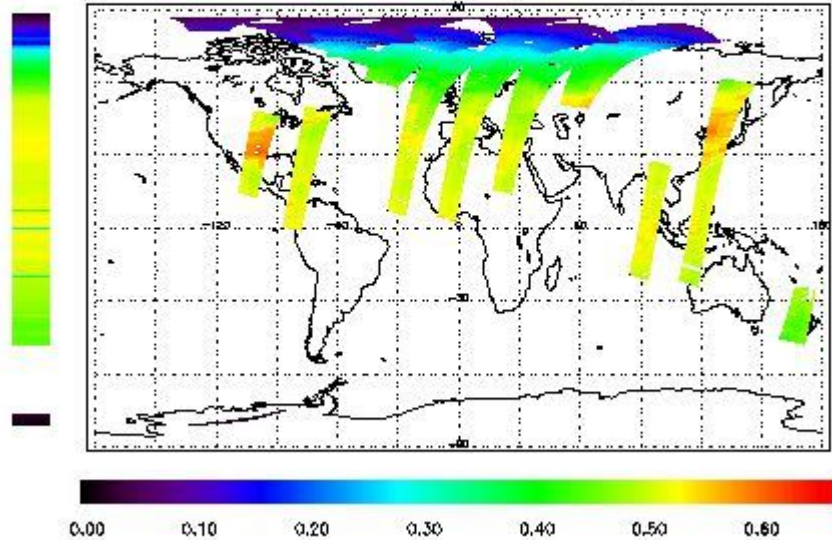
First Product : 20-MAR-2010 00:05:46.058 : ORBIT : 77969.0142

Last Product : 20-MAR-2010 23:47:21.760 : ORBIT : 77983.1455

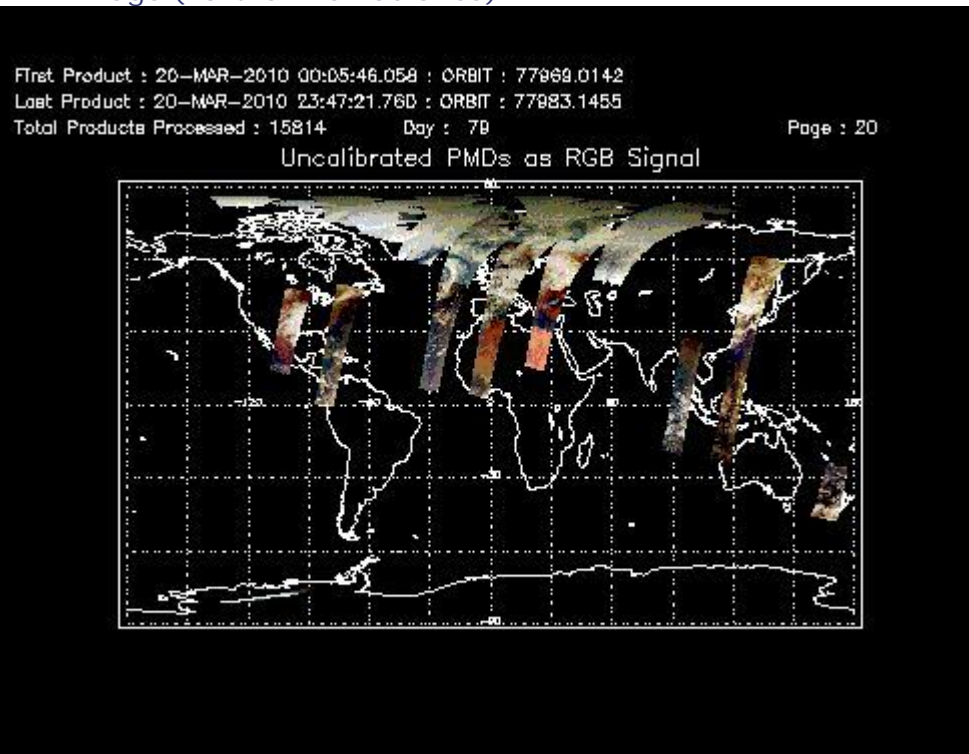
Total Products Processed : 15814 Day : 79

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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	13:52:00.115	--	77977	Yes	--	15457

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
--	--	--	--

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