

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	18-APR-2010
Start Time of First Product	23:53:48
Stop Time of Last Product	23:46:04
Number of EGOI Products analysed	43
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100418BEEP2480.E2	18-APR-2010	02:07:15.884
EGOI_100418BEEP2486.E2	18-APR-2010	03:46:20.993
EGOI_100418GSEP4386.E2	18-APR-2010	01:40:59.228
EGOI_100418GSEP4417.E2	18-APR-2010	03:19:25.325
EGOI_100418GSEP4426.E2	18-APR-2010	05:02:22.954
EGOI_100418KSEP1283.E2	18-APR-2010	07:01:01.181
EGOI_100418KSEP1302.E2	18-APR-2010	08:40:58.788
EGOI_100418KSEP1325.E2	18-APR-2010	10:20:38.399
EGOI_100418KSEP1347.E2	18-APR-2010	12:00:10.506

EGOI_100418KSEP1363.E2	18-APR-2010	13:39:05.108
EGOI_100418KSEP1389.E2	18-APR-2010	15:17:46.211
EGOI_100418KSEP1408.E2	18-APR-2010	16:55:12.307
EGOI_100418KSEP1437.E2	18-APR-2010	18:33:08.405
EGOI_100418KSEP1468.E2	18-APR-2010	20:11:58.512
EGOI_100418KSEP1496.E2	18-APR-2010	21:53:06.627
EGOI_100418KSEP1513.E2	18-APR-2010	23:36:41.761
EGOI_100418MAEP1196.E2	18-APR-2010	08:48:37.835
EGOI_100418MAEP1214.E2	18-APR-2010	10:28:02.441
EGOI_100418MAEP1236.E2	18-APR-2010	20:05:22.469
EGOI_100418MIEP9813.E2	18-APR-2010	01:41:42.732
EGOI_100418MIEP9839.E2	18-APR-2010	03:15:01.298
EGOI_100418MIEP9863.E2	18-APR-2010	04:56:55.919
EGOI_100418MIEP9891.E2	18-APR-2010	15:35:13.321
EGOI_100418MIEP9918.E2	18-APR-2010	17:15:36.436
EGOI_100418MMEP6752.E2	18-APR-2010	00:58:48.470
EGOI_100418MMEP6760.E2	18-APR-2010	02:41:05.591
EGOI_100418MMEP6767.E2	18-APR-2010	04:24:06.216
EGOI_100418MMEP6774.E2	18-APR-2010	06:06:21.845
EGOI_100418MMEP6781.E2	18-APR-2010	07:47:44.967
EGOI_100418MMEP6787.E2	18-APR-2010	09:28:27.581
EGOI_100418MMEP6797.E2	18-APR-2010	11:08:40.193
EGOI_100418MMEP6803.E2	18-APR-2010	12:48:36.307
EGOI_100418MMEP6813.E2	18-APR-2010	14:28:14.409
EGOI_100418MMEP6820.E2	18-APR-2010	16:07:57.026
EGOI_100418MSEP2360.E2	17-APR-2010	23:53:48.070
EGOI_100418MSEP2385.E2	18-APR-2010	10:34:51.984
EGOI_100418MSEP2414.E2	18-APR-2010	12:13:18.088
EGOI_100418MSEP2441.E2	18-APR-2010	21:44:56.080
EGOI_100418MSEP2474.E2	18-APR-2010	23:22:01.171
EGOI_100418SGEP4967.E2	18-APR-2010	02:19:15.954
EGOI_100418SGEP4973.E2	18-APR-2010	03:56:52.556
EGOI_100418SGEP4978.E2	18-APR-2010	15:01:53.617
EGOI_100418SGEP4984.E2	18-APR-2010	16:38:33.209

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78388	18-APR-2010	06:59:56.239	07:01:01.180	64.941000
KS	78389	18-APR-2010	08:39:22.483	08:40:58.788	96.305000
KS	78390	18-APR-2010	10:19:00.105	10:20:38.398	98.293000
KS	78391	18-APR-2010	11:58:27.688	12:00:10.506	102.81800
KS	78392	18-APR-2010	13:37:27.034	13:39:05.107	98.073000

KS	78393	18-APR-2010	15:15:45.518	15:17:46.211	120.69300
KS	78394	18-APR-2010	16:53:24.457	16:55:12.307	107.85000
KS	78395	18-APR-2010	18:31:27.762	18:33:08.405	100.64300
KS	78396	18-APR-2010	20:10:45.834	20:11:58.511	72.677000
KS	78397	18-APR-2010	21:51:58.868	21:53:06.626	67.758000
MS	78384	17-APR-2010	23:52:23.174	23:53:48.070	84.896000
MS	78390	18-APR-2010	10:33:07.043	10:34:51.984	104.94100
MS	78391	18-APR-2010	12:11:30.017	12:13:18.088	108.07100
MS	78398	18-APR-2010	23:20:37.434	23:22:01.170	83.736000
MA	78390	18-APR-2010	10:27:01.876	10:28:02.440	60.564000
MI	78386	18-APR-2010	03:13:29.455	03:15:01.297	91.842000
MI	78387	18-APR-2010	04:55:32.516	04:56:55.918	83.402000
MI	78393	18-APR-2010	15:33:42.904	15:35:13.320	90.416000
MI	78394	18-APR-2010	17:14:05.273	17:15:36.436	91.163000
BE	78385	18-APR-2010	02:05:22.706	02:07:15.883	113.17700
BE	78386	18-APR-2010	03:44:30.009	03:46:20.993	110.98400
SG	78385	18-APR-2010	02:18:02.262	02:19:15.954	73.692000
SG	78385	18-APR-2010	02:26:49.000	02:28:05.597	76.597000
SG	78386	18-APR-2010	03:55:28.579	03:56:52.556	83.977000
SG	78386	18-APR-2010	04:03:07.595	04:08:51.431	343.83600
SG	78393	18-APR-2010	16:31:25.164	16:38:33.208	428.04400

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	78384	18-APR-2010	00:46:36.605	01:00:36.379	839.77400
KS	78384	18-APR-2010	00:09:39.763	00:14:06.320	266.55700
CM	78386	18-APR-2010	03:13:31.520	03:24:03.357	631.83700
CM	78386	18-APR-2010	04:52:28.905	05:03:21.851	652.94600
JO	78388	18-APR-2010	07:25:23.458	07:39:11.747	828.28900
JO	78389	18-APR-2010	09:04:35.003	09:18:25.464	830.46100
HO	78390	18-APR-2010	11:18:38.842	11:28:55.494	616.65200
HO	78391	18-APR-2010	12:56:33.149	13:11:22.586	889.43700
HO	78392	18-APR-2010	14:36:49.154	14:48:20.782	691.62800
SG	78392	18-APR-2010	14:51:13.874	15:04:18.530	784.65600
BE	78393	18-APR-2010	15:01:41.927	15:13:56.694	734.76700

GS	78393	18-APR-2010	15:27:43.661	15:41:23.723	820.06200
CM	78393	18-APR-2010	15:37:12.911	15:47:51.460	638.54900
MM	78394	18-APR-2010	17:46:11.743	17:58:43.916	752.17300
GS	78394	18-APR-2010	17:07:26.117	17:19:54.854	748.73700
CM	78394	18-APR-2010	17:16:18.725	17:27:04.860	646.13500
MM	78395	18-APR-2010	19:25:21.695	19:38:01.817	760.12200
JO	78395	18-APR-2010	19:45:27.843	19:58:33.730	785.88700
MM	78396	18-APR-2010	21:04:52.870	21:17:35.790	762.92000
MA	78396	18-APR-2010	20:03:38.754	20:17:06.451	807.69700
JO	78396	18-APR-2010	21:24:11.634	21:38:31.366	859.73200
HO	78397	18-APR-2010	22:37:02.666	22:49:42.878	760.21200
MM	78397	18-APR-2010	22:45:08.038	22:57:25.451	737.41300
MA	78397	18-APR-2010	21:43:49.479	21:56:01.370	731.89100

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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 Temperatures B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK

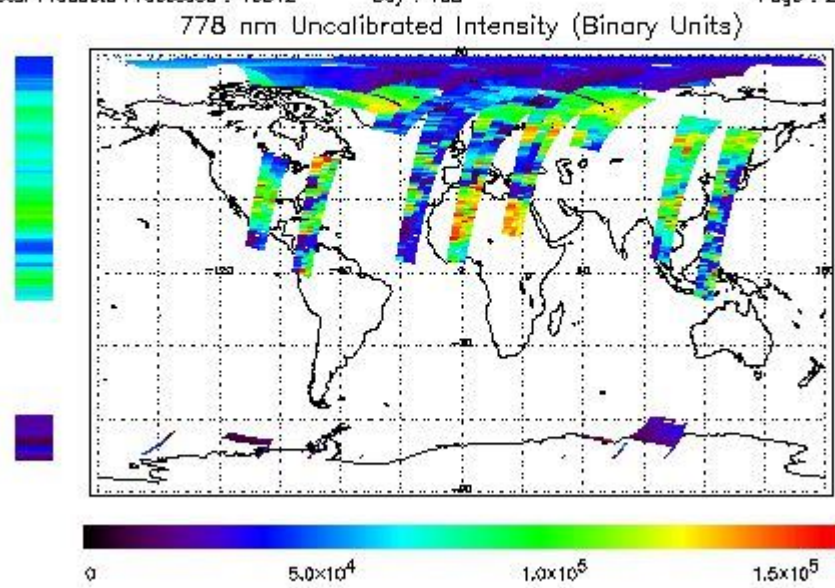
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	OK
331/338 nm Uncal. Line Ratio	OK
Uncal. PMDs as RGB signal	OK
780 nm 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 : 17-APR-2010 23:53:48.070 : ORBIT : 78384.0095
 Last Product : 18-APR-2010 23:48:04.323 : ORBIT : 78398.2470
 Total Products Processed : 19312 Day : 108 Page : 21

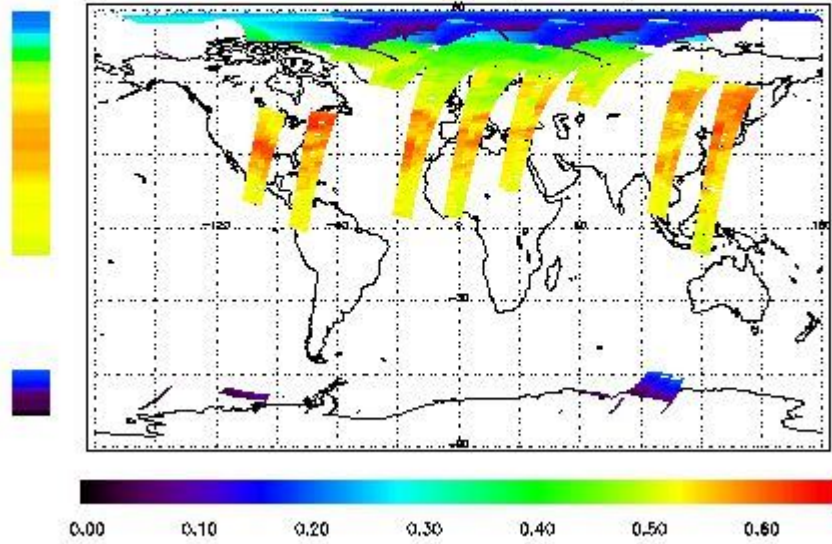


Ozone Line Ratio

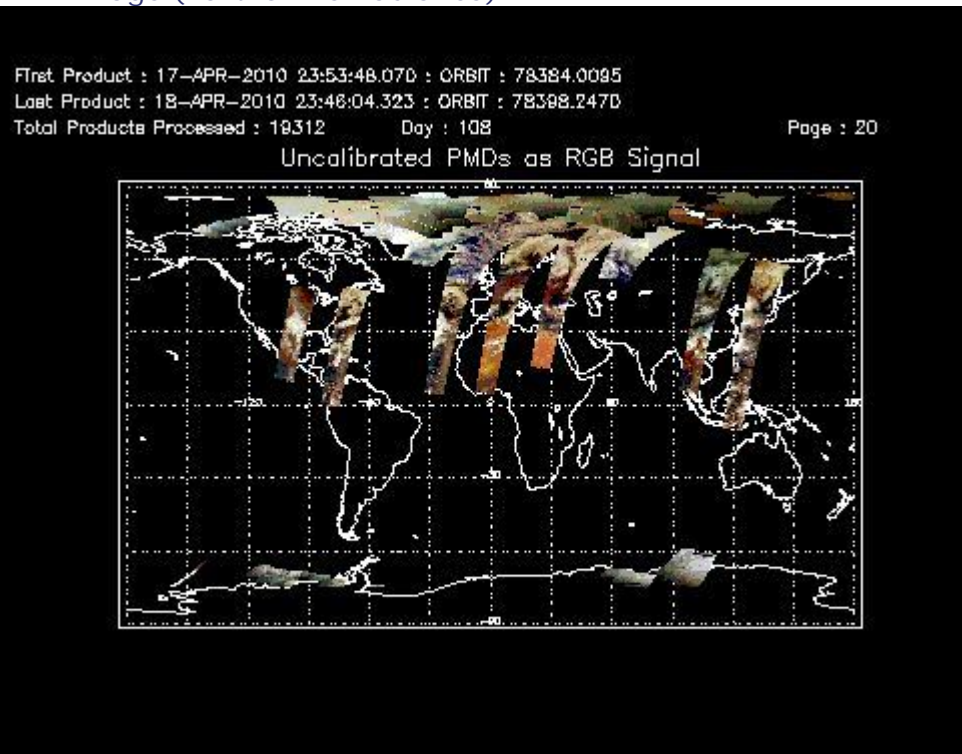
First Product : 17-APR-2010 23:53:48.070 : ORBIT : 78384.0095
 Last Product : 18-APR-2010 23:46:04.323 : ORBIT : 78398.2470
 Total Products Processed : 19312 Day : 108

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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	18:38:51.940	--	78395	Yes	--	15086

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