

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	17-MAY-2010
Start Time of First Product	23:42:00 (16-May)
Stop Time of Last Product	23:34:34
Number of EGOI Products analysed	37
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100517GSEP6542.E2	17-MAY-2010	01:30:03.296
EGOI_100517GSEP6574.E2	17-MAY-2010	03:07:48.885
EGOI_100517GSEP6583.E2	17-MAY-2010	04:51:06.018
EGOI_100517KSEP8363.E2	16-MAY-2010	23:58:01.228
EGOI_100517KSEP8377.E2	17-MAY-2010	06:49:29.245
EGOI_100517KSEP8395.E2	17-MAY-2010	08:29:26.860
EGOI_100517KSEP8415.E2	17-MAY-2010	10:09:06.466
EGOI_100517KSEP8445.E2	17-MAY-2010	11:48:37.076
EGOI_100517KSEP8462.E2	17-MAY-2010	13:27:39.183

EGOI_100517KSEP8471.E2	17-MAY-2010	15:06:21.786
EGOI_100517KSEP8498.E2	17-MAY-2010	16:43:50.885
EGOI_100517KSEP8529.E2	17-MAY-2010	18:21:46.987
EGOI_100517KSEP8554.E2	17-MAY-2010	20:00:28.087
EGOI_100517KSEP8580.E2	17-MAY-2010	21:41:22.709
EGOI_100517KSEP8605.E2	17-MAY-2010	23:24:38.335
EGOI_100517MIEP2905.E2	17-MAY-2010	03:03:35.366
EGOI_100517MIEP2930.E2	17-MAY-2010	04:44:37.479
EGOI_100517MIEP2954.E2	17-MAY-2010	15:23:51.895
EGOI_100517MIEP2982.E2	17-MAY-2010	17:03:40.502
EGOI_100517MMEP8417.E2	17-MAY-2010	00:48:22.537
EGOI_100517MMEP8423.E2	17-MAY-2010	02:30:41.163
EGOI_100517MMEP8430.E2	17-MAY-2010	04:13:22.288
EGOI_100517MMEP8440.E2	17-MAY-2010	09:18:03.153
EGOI_100517MMEP8447.E2	17-MAY-2010	10:58:15.767
EGOI_100517MMEP8456.E2	17-MAY-2010	12:38:14.883
EGOI_100517MMEP8464.E2	17-MAY-2010	14:17:57.493
EGOI_100517MMEP8471.E2	17-MAY-2010	15:57:25.098
EGOI_100517MSEP5752.E2	16-MAY-2010	23:41:59.631
EGOI_100517MSEP5777.E2	17-MAY-2010	10:23:45.557
EGOI_100517MSEP5806.E2	17-MAY-2010	12:01:37.160
EGOI_100517MSEP5818.E2	17-MAY-2010	13:44:18.282
EGOI_100517MSEP5837.E2	17-MAY-2010	21:34:10.658
EGOI_100517MSEP5869.E2	17-MAY-2010	23:10:29.249
EGOI_100517SGEP5697.E2	17-MAY-2010	02:08:36.526
EGOI_100517SGEP5703.E2	17-MAY-2010	03:47:11.631
EGOI_100517SGEP5711.E2	17-MAY-2010	14:43:29.145
EGOI_100517SGEP5718.E2	17-MAY-2010	16:21:14.745

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78804	17-MAY-2010	08:27:59.478	08:29:26.859	87.381000
KS	78805	17-MAY-2010	10:07:37.142	10:09:06.466	89.324000
KS	78806	17-MAY-2010	11:47:06.733	11:48:37.076	90.343000
KS	78807	17-MAY-2010	13:26:10.317	13:27:39.183	88.866000
KS	78808	17-MAY-2010	15:04:40.378	15:06:21.785	101.40700
KS	78809	17-MAY-2010	16:42:16.753	16:43:50.884	94.131000
KS	78810	17-MAY-2010	18:20:12.468	18:21:46.986	94.518000
KS	78811	17-MAY-2010	19:59:19.787	20:00:28.086	68.299000
KS	78812	17-MAY-2010	21:40:17.747	21:41:22.708	64.961000
MS	78805	17-MAY-2010	10:22:09.935	10:23:45.557	95.622000

MS	78806	17-MAY-2010	12:00:02.600	12:01:37.159	94.559000
MS	78813	17-MAY-2010	23:09:13.939	23:10:29.248	75.309000
MI	78801	17-MAY-2010	03:02:18.191	03:03:35.365	77.174000
MI	78802	17-MAY-2010	04:43:19.247	04:44:37.479	78.232000
MI	78808	17-MAY-2010	15:22:32.310	15:23:51.894	79.584000
MI	78809	17-MAY-2010	17:02:20.786	17:03:40.501	79.715000
MM	78799	17-MAY-2010	00:46:46.428	00:48:22.536	96.108000
MM	78800	17-MAY-2010	02:29:17.535	02:30:41.163	83.628000
MM	78804	17-MAY-2010	09:16:25.384	09:18:03.153	97.769000
MM	78805	17-MAY-2010	10:56:35.503	10:58:15.766	100.26300
MM	78806	17-MAY-2010	12:36:32.165	12:38:14.883	102.71800
MM	78807	17-MAY-2010	14:16:14.344	14:17:57.493	103.14900
MM	78808	17-MAY-2010	15:55:40.303	15:57:25.098	104.79500
SG	78801	17-MAY-2010	03:43:59.166	03:47:11.630	192.46400
SG	78807	17-MAY-2010	14:40:14.108	14:43:29.144	195.03600
SG	78808	17-MAY-2010	16:19:34.254	16:21:14.745	100.49100

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	78799	17-MAY-2010	00:34:57.871	00:49:22.125	864.25400
BE	78800	17-MAY-2010	01:54:15.453	02:05:40.707	685.25400
BE	78801	17-MAY-2010	03:33:02.942	03:46:05.897	782.95500
CM	78801	17-MAY-2010	03:02:46.603	03:12:16.326	569.72300
CM	78801	17-MAY-2010	04:40:45.970	04:52:20.370	694.40000
MM	78802	17-MAY-2010	05:54:49.149	06:00:46.354	357.20500
MM	78803	17-MAY-2010	07:35:57.358	07:43:49.140	471.78200
JO	78803	17-MAY-2010	07:14:27.025	07:27:36.795	789.77000
MA	78804	17-MAY-2010	08:36:49.282	08:49:02.230	732.94800
JO	78804	17-MAY-2010	08:52:56.150	09:07:17.219	861.06900
MA	78805	17-MAY-2010	10:15:42.576	10:28:11.640	749.06400
HO	78807	17-MAY-2010	14:25:15.847	14:37:34.585	738.73800
SG	78807	17-MAY-2010	14:40:14.108	14:52:39.948	745.84000
BE	78808	17-MAY-2010	14:50:02.059	15:02:44.923	762.86400
GS	78808	17-MAY-2010	15:16:26.450	15:29:50.877	804.42700
CM	78808	17-MAY-2010	15:26:21.970	15:35:56.684	574.71400

MM	78809	17-MAY-2010	17:34:52.042	17:47:23.837	751.79500
GS	78809	17-MAY-2010	16:55:57.760	17:08:52.619	774.85900
CM	78809	17-MAY-2010	17:04:40.589	17:16:08.684	688.09500
MM	78810	17-MAY-2010	19:14:01.083	19:26:40.144	759.06100
JO	78810	17-MAY-2010	19:34:30.296	19:46:40.984	730.68800
MM	78811	17-MAY-2010	20:53:28.612	21:06:12.217	763.60500
MA	78811	17-MAY-2010	19:52:34.105	20:05:33.335	779.23000
JO	78811	17-MAY-2010	21:12:43.222	21:27:24.102	880.88000
HO	78812	17-MAY-2010	22:26:09.190	22:38:14.780	725.59000
MM	78812	17-MAY-2010	22:33:37.766	22:46:00.197	742.43100
MA	78812	17-MAY-2010	21:31:52.263	21:44:50.583	778.32000

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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

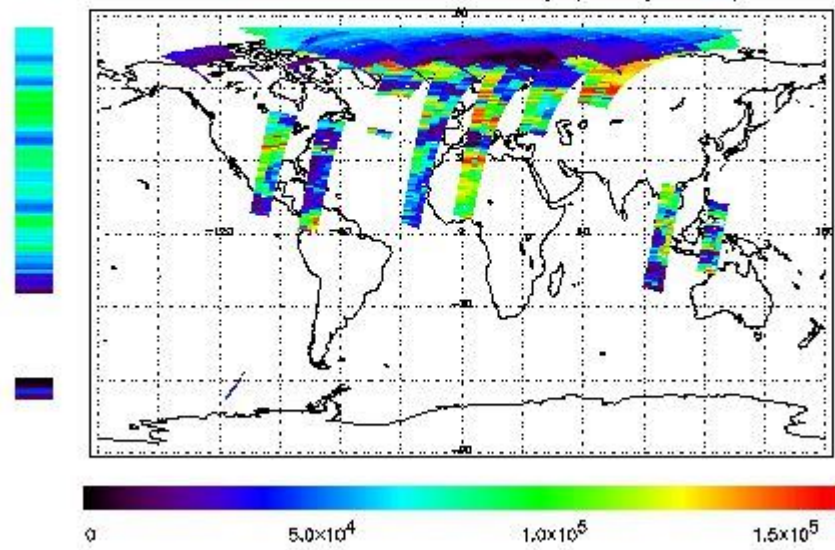
2.2 - Daily Plots

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 : 16-MAY-2010 23:41:59.631 : ORBIT : 78799.0065
 Last Product : 17-MAY-2010 23:34:33.893 : ORBIT : 78813.2469
 Total Products Processed : 17138 Day : 137 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

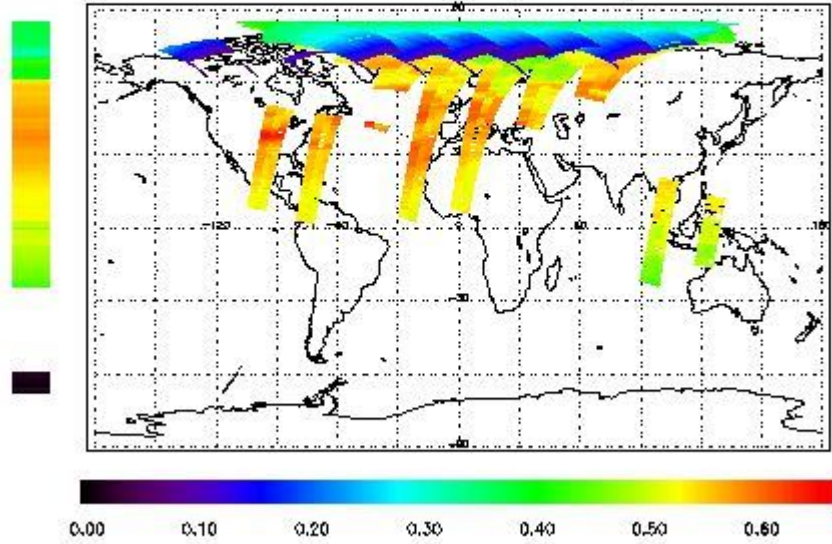


Ozone Line Ratio

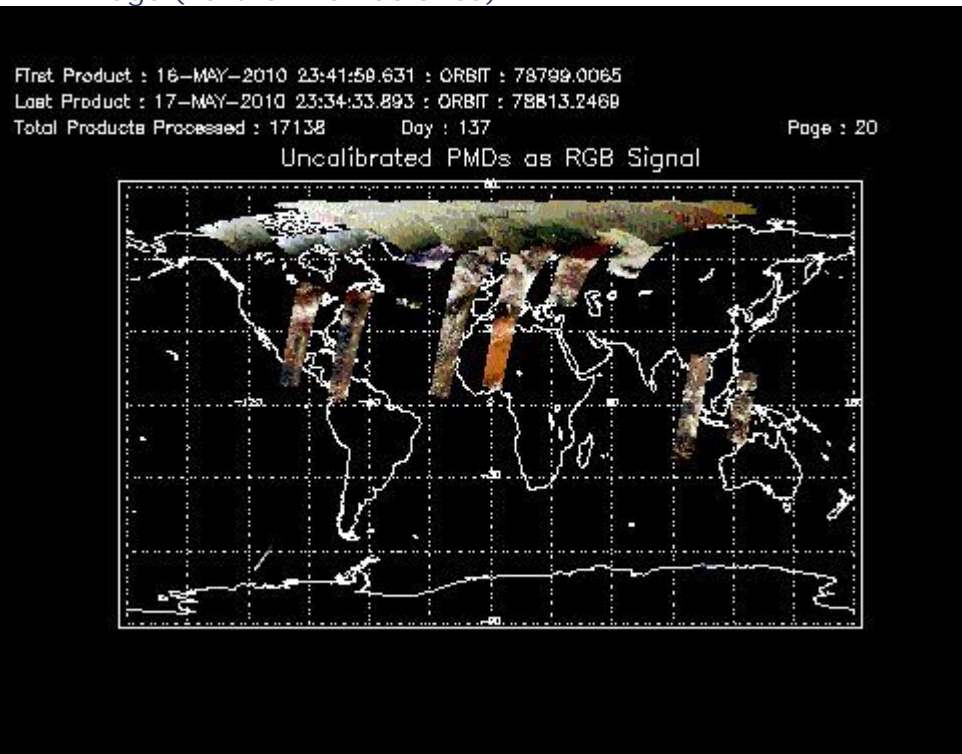
First Product : 16-MAY-2010 23:41:50.631 : ORBIT : 78799.0065
 Last Product : 17-MAY-2010 23:34:33.893 : ORBIT : 78813.2469
 Total Products Processed : 17138 Day : 137

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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	16:44:19.385	--	78809	Yes	--	14540

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
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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
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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