

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	23-MAY-2010
Start Time of First Product	23:53:39 (22-May)
Stop Time of Last Product	23:45:56
Number of EGOI Products analysed	42
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath activated on 21-MAY-2010 continued

1.2 - List of received products

Name	Date	Time
EGOI_100523BEEP2818.E2	23-MAY-2010	02:07:08.736
EGOI_100523BEEP2825.E2	23-MAY-2010	03:46:15.341
EGOI_100523GSEP6950.E2	23-MAY-2010	01:40:56.580
EGOI_100523GSEP6981.E2	23-MAY-2010	03:19:34.677
EGOI_100523GSEP6991.E2	23-MAY-2010	05:02:12.809
EGOI_100523KSEP0010.E2	23-MAY-2010	12:00:03.353
EGOI_100523KSEP8210.E2	23-MAY-2010	13:38:59.455
EGOI_100523KSEP8236.E2	23-MAY-2010	15:17:39.058
EGOI_100523KSEP8265.E2	23-MAY-2010	16:55:05.153

EGOI_100523KSEP8296.E2	23-MAY-2010	18:33:01.248
EGOI_100523KSEP8327.E2	23-MAY-2010	20:11:52.855
EGOI_100523KSEP8355.E2	23-MAY-2010	21:53:00.977
EGOI_100523KSEP8379.E2	23-MAY-2010	23:36:36.103
EGOI_100523KSEP9946.E2	23-MAY-2010	07:00:54.024
EGOI_100523KSEP9965.E2	23-MAY-2010	08:40:51.635
EGOI_100523KSEP9986.E2	23-MAY-2010	10:20:31.242
EGOI_100523MAEP2515.E2	23-MAY-2010	08:48:24.682
EGOI_100523MAEP2527.E2	23-MAY-2010	10:27:56.789
EGOI_100523MAEP2550.E2	23-MAY-2010	20:05:15.312
EGOI_100523MIEP3502.E2	23-MAY-2010	03:14:54.154
EGOI_100523MIEP3526.E2	23-MAY-2010	04:56:51.771
EGOI_100523MIEP3554.E2	23-MAY-2010	15:35:06.163
EGOI_100523MIEP3581.E2	23-MAY-2010	17:15:27.775
EGOI_100523MMEP8800.E2	23-MAY-2010	01:02:33.848
EGOI_100523MMEP8805.E2	23-MAY-2010	02:44:58.466
EGOI_100523MMEP8811.E2	23-MAY-2010	04:27:44.091
EGOI_100523MMEP8820.E2	23-MAY-2010	09:32:06.949
EGOI_100523MMEP8828.E2	23-MAY-2010	12:52:21.674
EGOI_100523MMEP8837.E2	23-MAY-2010	14:32:04.285
EGOI_100523MMEP8844.E2	23-MAY-2010	16:11:49.886
EGOI_100523MMEP8850.E2	23-MAY-2010	17:51:32.502
EGOI_100523MMEP8856.E2	23-MAY-2010	19:30:27.101
EGOI_100523MMEP8862.E2	23-MAY-2010	21:09:45.710
EGOI_100523MSEP6404.E2	22-MAY-2010	23:53:39.430
EGOI_100523MSEP6426.E2	23-MAY-2010	10:34:44.829
EGOI_100523MSEP6455.E2	23-MAY-2010	12:13:12.432
EGOI_100523MSEP6482.E2	23-MAY-2010	21:44:50.422
EGOI_100523MSEP6515.E2	23-MAY-2010	23:21:55.521
EGOI_100523SGEP5840.E2	23-MAY-2010	02:19:07.310
EGOI_100523SGEP5846.E2	23-MAY-2010	03:56:48.404
EGOI_100523SGEP5851.E2	23-MAY-2010	14:54:44.917
EGOI_100523SGEP5858.E2	23-MAY-2010	16:33:21.524

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78892	23-MAY-2010	11:58:27.688	12:00:03.352	95.664000
KS	78893	23-MAY-2010	13:37:27.034	13:38:59.454	92.420000
KS	78894	23-MAY-2010	15:15:45.518	15:17:39.058	113.54000
KS	78895	23-MAY-2010	16:53:24.457	16:55:05.153	100.69600
KS	78896	23-MAY-2010	18:31:27.762	18:33:01.247	93.485000
KS	78897	23-MAY-2010	20:10:45.835	20:11:52.855	67.020000

KS	78898	23-MAY-2010	21:51:58.868	21:53:00.977	62.109000
KS	78890	23-MAY-2010	08:39:22.484	08:40:51.635	89.151000
KS	78891	23-MAY-2010	10:19:00.105	10:20:31.242	91.137000
GS	78887	23-MAY-2010	03:18:25.734	03:19:34.676	68.942000
MS	78885	22-MAY-2010	23:52:23.174	23:53:39.430	76.256000
MS	78891	23-MAY-2010	10:33:07.043	10:34:44.829	97.786000
MS	78892	23-MAY-2010	12:11:30.017	12:13:12.432	102.41500
MS	78899	23-MAY-2010	23:20:37.434	23:21:55.521	78.087000
MA	78897	23-MAY-2010	20:03:38.755	20:05:15.312	96.557000
MI	78887	23-MAY-2010	03:13:29.455	03:14:54.154	84.699000
MI	78888	23-MAY-2010	04:55:32.516	04:56:51.770	79.254000
MI	78894	23-MAY-2010	15:33:42.904	15:35:06.162	83.258000
MI	78895	23-MAY-2010	17:14:05.273	17:15:27.774	82.501000
MM	78885	23-MAY-2010	00:58:26.436	01:02:33.848	247.41200
MM	78886	23-MAY-2010	02:41:03.673	02:44:58.466	234.79300
MM	78887	23-MAY-2010	04:24:08.952	04:27:44.091	215.13900
MM	78890	23-MAY-2010	09:27:52.987	09:32:06.949	253.96200
MM	78892	23-MAY-2010	12:47:56.611	12:52:21.673	265.06200
MM	78893	23-MAY-2010	14:27:37.010	14:32:04.285	267.27500
MM	78894	23-MAY-2010	16:07:01.104	16:11:49.886	288.78200
MM	78895	23-MAY-2010	17:46:11.743	17:51:32.501	320.75800
MM	78896	23-MAY-2010	19:25:21.695	19:30:27.100	305.40500
MM	78897	23-MAY-2010	21:04:52.871	21:09:45.710	292.83900
BE	78886	23-MAY-2010	02:05:22.706	02:07:08.736	106.03000
BE	78887	23-MAY-2010	03:44:30.009	03:46:15.340	105.33100
SG	78886	23-MAY-2010	02:18:02.262	02:19:07.309	65.047000
SG	78886	23-MAY-2010	02:22:28.328	02:28:05.597	337.26900
SG	78887	23-MAY-2010	03:55:28.579	03:56:48.403	79.824000
SG	78887	23-MAY-2010	04:01:12.430	04:08:51.431	459.00100
SG	78893	23-MAY-2010	14:51:13.874	14:54:44.916	211.04200
SG	78894	23-MAY-2010	16:31:25.164	16:33:21.523	116.35900

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	78885	23-MAY-2010	00:46:36.605	01:00:36.379	839.77400

KS	78885	23-MAY-2010	00:09:39.763	00:14:06.320	266.55700
CM	78887	23-MAY-2010	03:13:31.520	03:24:03.357	631.83700
CM	78887	23-MAY-2010	04:52:28.905	05:03:21.851	652.94600
MM	78888	23-MAY-2010	06:06:26.113	06:12:31.248	365.13500
MM	78889	23-MAY-2010	07:47:27.633	07:55:35.915	488.28200
JO	78889	23-MAY-2010	07:25:23.458	07:39:11.747	828.28900
JO	78890	23-MAY-2010	09:04:35.004	09:18:25.465	830.46100
HO	78891	23-MAY-2010	11:18:38.842	11:28:55.494	616.65200
MM	78891	23-MAY-2010	11:08:01.516	11:19:57.217	715.70100
HO	78892	23-MAY-2010	12:56:33.149	13:11:22.586	889.43700
HO	78893	23-MAY-2010	14:36:49.154	14:48:20.782	691.62800
SG	78893	23-MAY-2010	14:51:13.874	15:04:18.530	784.65600
BE	78894	23-MAY-2010	15:01:41.927	15:13:56.694	734.76700
GS	78894	23-MAY-2010	15:27:43.661	15:41:23.723	820.06200
CM	78894	23-MAY-2010	15:37:12.911	15:47:51.460	638.54900
GS	78895	23-MAY-2010	17:07:26.117	17:19:54.854	748.73700
CM	78895	23-MAY-2010	17:16:18.725	17:27:04.860	646.13500
JO	78896	23-MAY-2010	19:45:27.843	19:58:33.730	785.88700
JO	78897	23-MAY-2010	21:24:11.635	21:38:31.367	859.73200
HO	78898	23-MAY-2010	22:37:02.666	22:49:42.878	760.21200
MM	78898	23-MAY-2010	22:45:08.038	22:57:25.451	737.41300
MA	78898	23-MAY-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

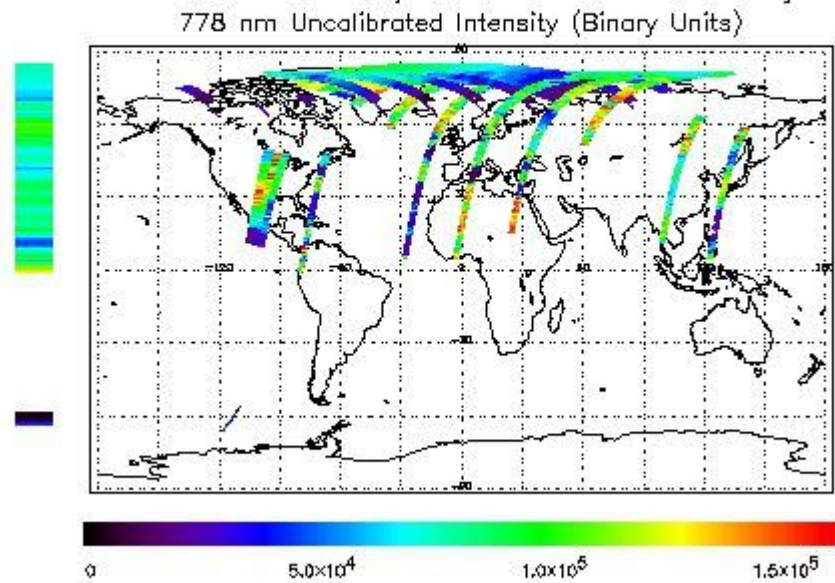
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	OK
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	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 : 22-MAY-2010 23:53:30.430 : ORBIT : 78885.0081
 Last Product : 23-MAY-2010 23:45:55.661 : ORBIT : 78899.2456
 Total Products Processed : 18771 Day : 143 Page : 21

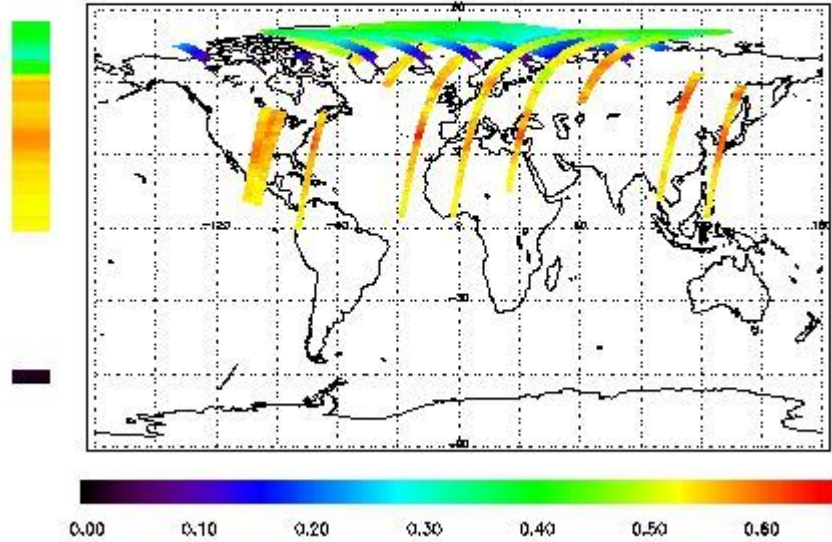


Ozone Line Ratio

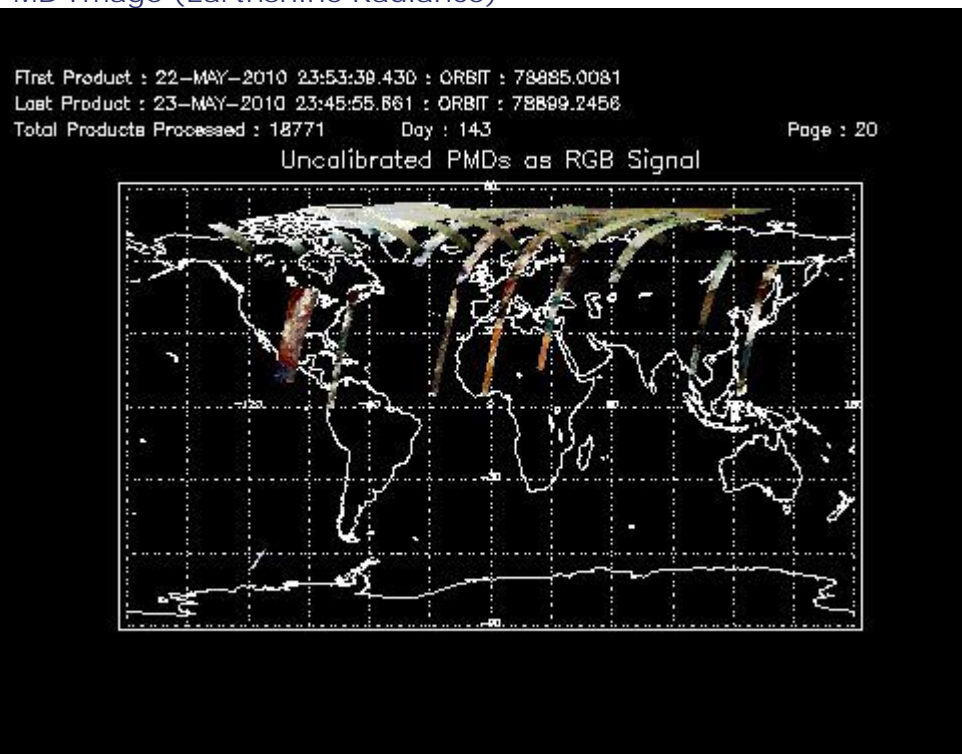
First Product : 22-MAY-2010 23:53:39.430 : ORBIT : 78885.0081
 Last Product : 23-MAY-2010 23:45:55.861 : ORBIT : 78899.2456
 Total Products Processed : 18771 Day : 143

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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	16:55:27.656	--	78894	Yes	--	14760

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
--	--	--	--	--

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
21:00	--	78868	--

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