

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	01-MAY-2010
Start Time of First Product	23:44:54 (30-Apr)
Stop Time of Last Product	23:37:26
Number of EGOI Products analysed	42
Number of corrupted products	1
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100501BEEP2602.E2	01-MAY-2010	01:58:43.104
EGOI_100501BEEP2609.E2	01-MAY-2010	03:37:34.709
EGOI_100501GSEP5390.E2	01-MAY-2010	01:32:50.444
EGOI_100501GSEP5422.E2	01-MAY-2010	03:10:57.045
EGOI_100501GSEP5432.E2	01-MAY-2010	04:53:47.175
EGOI_100501KSEP4437.E2	01-MAY-2010	06:52:20.901
EGOI_100501KSEP4456.E2	01-MAY-2010	08:32:17.013
EGOI_100501KSEP4473.E2	01-MAY-2010	10:11:58.119
EGOI_100501KSEP4494.E2	01-MAY-2010	11:51:31.729

EGOI_100501KSEP4511.E2	01-MAY-2010	13:30:27.832
EGOI_100501KSEP4521.E2	01-MAY-2010	15:09:10.439
EGOI_100501KSEP4537.E2	01-MAY-2010	16:46:41.038
EGOI_100501KSEP4566.E2	01-MAY-2010	18:24:35.633
EGOI_100501KSEP4598.E2	01-MAY-2010	20:03:19.740
EGOI_100501KSEP4627.E2	01-MAY-2010	21:44:18.855
EGOI_100501KSEP4644.E2	01-MAY-2010	23:27:35.988
EGOI_100501MAEP1745.E2	01-MAY-2010	08:40:24.559
EGOI_100501MAEP1760.E2	01-MAY-2010	10:19:23.666
EGOI_100501MAEP1781.E2	01-MAY-2010	19:56:57.205
EGOI_100501MIEP1205.E2	01-MAY-2010	03:06:27.018
EGOI_100501MIEP1230.E2	01-MAY-2010	04:47:39.639
EGOI_100501MIEP1255.E2	01-MAY-2010	15:26:45.044
EGOI_100501MIEP1281.E2	01-MAY-2010	17:06:39.655
EGOI_100501MMEP7556.E2	01-MAY-2010	02:32:26.811
EGOI_100501MMEP7563.E2	01-MAY-2010	05:57:40.069
EGOI_100501MMEP7569.E2	01-MAY-2010	09:19:42.806
EGOI_100501MMEP7578.E2	01-MAY-2010	12:39:56.022
EGOI_100501MMEP7588.E2	01-MAY-2010	14:19:26.638
EGOI_100501MMEP7595.E2	01-MAY-2010	15:59:01.745
EGOI_100501MMEP7602.E2	01-MAY-2010	17:39:24.854
EGOI_100501MMEP7610.E2	01-MAY-2010	19:18:04.463
EGOI_100501MMEP7619.E2	01-MAY-2010	22:37:20.683
EGOI_100501MSEP3850.E2	30-APR-2010	23:44:54.291
EGOI_100501MSEP3875.E2	01-MAY-2010	10:26:31.209
EGOI_100501MSEP3904.E2	01-MAY-2010	12:04:25.811
EGOI_100501MSEP3913.E2	01-MAY-2010	13:47:21.943
EGOI_100501MSEP3937.E2	01-MAY-2010	21:36:42.808
EGOI_100501MSEP3970.E2	01-MAY-2010	23:13:19.399
EGOI_100501SGEP5289.E2	01-MAY-2010	02:12:10.182
EGOI_100501SGEP5295.E2	01-MAY-2010	03:53:43.807
EGOI_100501SGEP5303.E2	01-MAY-2010	14:46:23.798
EGOI_100501SGEP5309.E2	01-MAY-2010	16:24:19.901

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78575	01-MAY-2010	08:30:50.217	08:32:17.013	86.796000
KS	78576	01-MAY-2010	10:10:27.893	10:11:58.118	90.225000
KS	78577	01-MAY-2010	11:49:57.005	11:51:31.729	94.724000
KS	78578	01-MAY-2010	13:28:59.553	13:30:27.831	88.278000
KS	78579	01-MAY-2010	15:07:26.939	15:09:10.439	103.50000
KS	78580	01-MAY-2010	16:45:03.690	16:46:41.038	97.348000

KS	78581	01-MAY-2010	18:23:01.202	18:24:35.632	94.430000
KS	78582	01-MAY-2010	20:02:11.161	20:03:19.740	68.579000
KS	78583	01-MAY-2010	21:43:12.839	21:44:18.854	66.015000
GS	78572	01-MAY-2010	03:09:49.598	03:10:57.045	67.447000
MS	78576	01-MAY-2010	10:24:53.841	10:26:31.208	97.367000
MS	78577	01-MAY-2010	12:02:55.691	12:04:25.811	90.120000
MS	78584	01-MAY-2010	23:12:04.367	23:13:19.399	75.032000
MA	78582	01-MAY-2010	19:55:19.907	19:56:57.204	97.297000
MI	78572	01-MAY-2010	03:05:05.524	03:06:27.017	81.493000
MI	78573	01-MAY-2010	04:46:21.034	04:47:39.639	78.605000
MI	78579	01-MAY-2010	15:25:19.556	15:26:45.043	85.487000
MI	78580	01-MAY-2010	17:05:16.313	17:06:39.654	83.341000
MM	78580	01-MAY-2010	17:37:41.972	17:39:24.854	102.88200
MM	78581	01-MAY-2010	19:16:51.212	19:18:04.462	73.250000
BE	78571	01-MAY-2010	01:57:01.878	01:58:43.103	101.22500
BE	78572	01-MAY-2010	03:35:54.540	03:37:34.709	100.16900
SG	78571	01-MAY-2010	02:10:11.599	02:12:10.182	118.58300
SG	78572	01-MAY-2010	03:46:51.041	03:53:43.806	412.76500
SG	78578	01-MAY-2010	14:42:58.400	14:46:23.797	205.39700
SG	78579	01-MAY-2010	16:22:31.134	16:24:19.901	108.76700

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	78570	01-MAY-2010	00:37:54.298	00:52:11.172	856.87400
MM	78570	01-MAY-2010	00:49:41.350	01:00:22.914	641.56400
KS	78570	01-MAY-2010	00:00:21.744	00:05:49.728	327.98400
MM	78572	01-MAY-2010	04:15:19.451	04:21:38.555	379.10400
CM	78572	01-MAY-2010	03:05:26.844	03:15:13.888	587.04400
CM	78572	01-MAY-2010	04:43:40.978	04:55:06.367	685.38900
MM	78574	01-MAY-2010	07:38:49.970	07:46:45.865	475.89500
JO	78574	01-MAY-2010	07:17:10.584	07:30:30.876	800.29200
JO	78575	01-MAY-2010	08:55:50.338	09:10:04.660	854.32200
MM	78576	01-MAY-2010	10:59:27.022	11:11:16.888	709.86600
HO	78578	01-MAY-2010	14:28:08.985	14:40:10.301	721.31600
SG	78578	01-MAY-2010	14:42:58.400	14:55:35.189	756.78900

BE	78579	01-MAY-2010	14:52:56.539	15:05:33.146	756.60700
GS	78579	01-MAY-2010	15:19:15.590	15:32:44.462	808.87200
CM	78579	01-MAY-2010	15:29:03.736	15:38:56.439	592.70300
GS	78580	01-MAY-2010	16:58:49.728	17:11:38.514	768.78600
CM	78580	01-MAY-2010	17:07:34.582	17:18:53.432	678.85000
JO	78581	01-MAY-2010	19:37:14.050	19:49:39.949	745.89900
MM	78582	01-MAY-2010	20:56:19.624	21:09:03.092	763.46800
JO	78582	01-MAY-2010	21:15:35.060	21:30:11.366	876.30600
HO	78583	01-MAY-2010	22:28:52.387	22:41:06.922	734.53500
MA	78583	01-MAY-2010	21:34:46.501	21:47:38.589	772.08800

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1.5 - List of corrupted products

Station	Orbit	Time
MI	78579	15:39:51.12

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 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

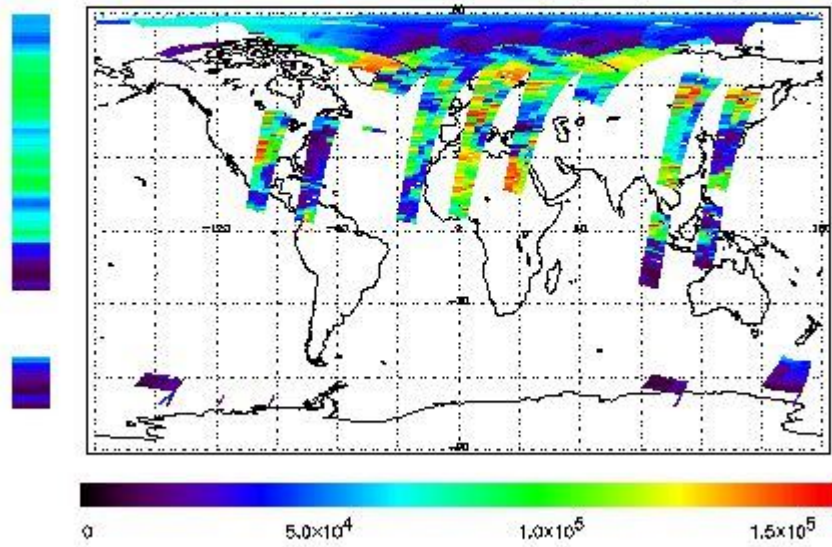
2.2 - Daily Plots

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 : 30-APR-2010 23:44:54.291 : ORBIT : 78570.0068
 Last Product : 01-MAY-2010 23:37:25.546 : ORBIT : 78584.2468
 Total Products Processed : 20070 Day : 121 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

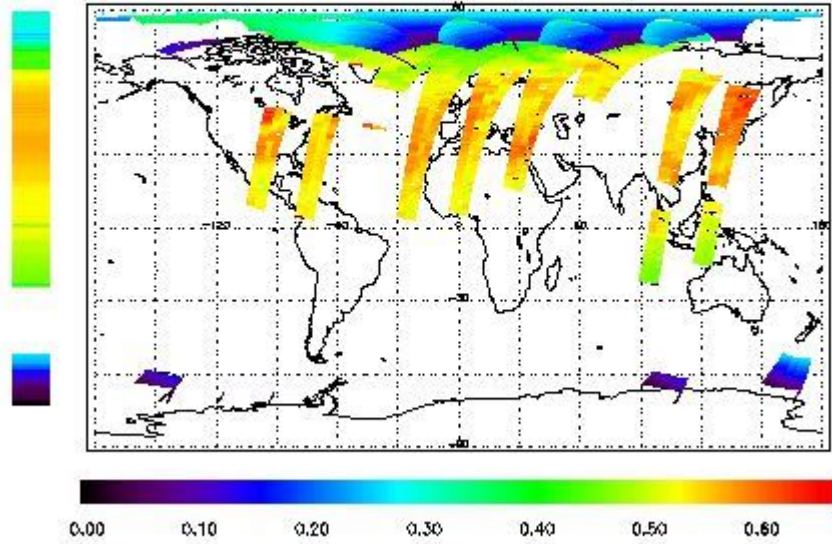


Ozone Line Ratio

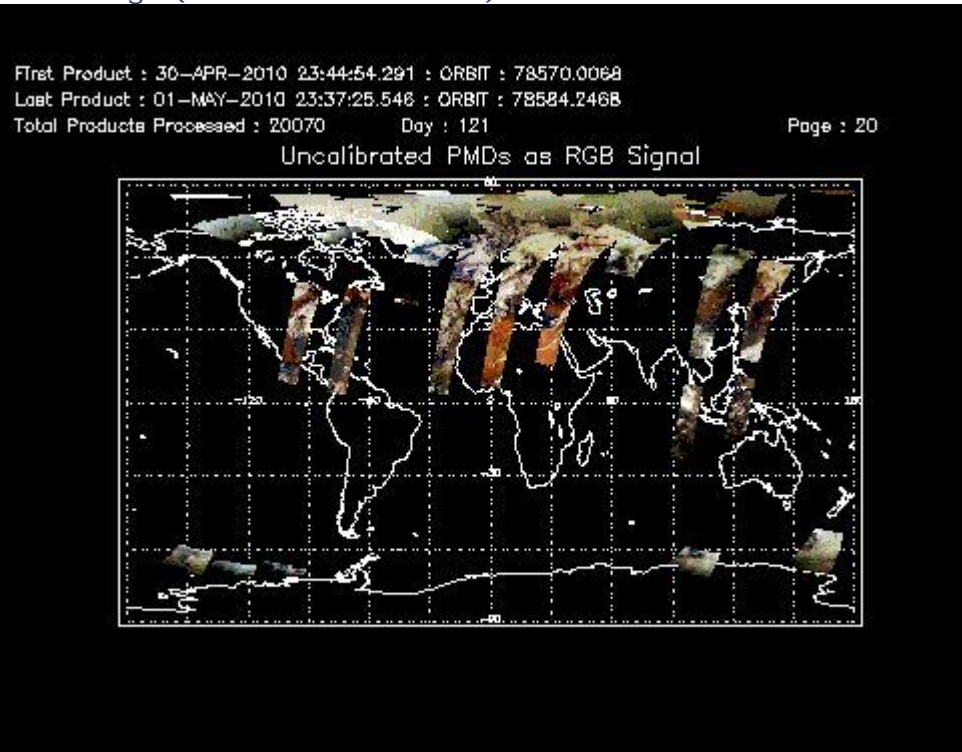
First Product : 30-APR-2010 23:44:54.291 : ORBIT : 78570.0068
 Last Product : 01-MAY-2010 23:37:25.546 : ORBIT : 78584.2468
 Total Products Processed : 20070 Day : 121

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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	18:28:57	--	78581	Yes	--	14754

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
--	--	--

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
07:00 10-Mar	23:30 01-May	77830	78584

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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