

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	15-MAY-2010
Start Time of First Product	00:47:05
Stop Time of Last Product	22:57:39
Number of EGOI Products analysed	34
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath continued from previous day, stop orbit: 78781

1.2 - List of received products

Name	Date	Time
EGOI_100515BEEP2724.E2	15-MAY-2010	02:57:37.197
EGOI_100515BEEP2730.E2	15-MAY-2010	04:38:03.310
EGOI_100515GSEP6383.E2	15-MAY-2010	00:54:36.443
EGOI_100515GSEP6415.E2	15-MAY-2010	02:30:59.533
EGOI_100515GSEP6440.E2	15-MAY-2010	04:11:52.650
EGOI_100515GSEP6447.E2	15-MAY-2010	05:54:21.780
EGOI_100515KSEP7876.E2	15-MAY-2010	06:12:38.384
EGOI_100515KSEP7903.E2	15-MAY-2010	07:52:26.999
EGOI_100515KSEP7922.E2	15-MAY-2010	09:32:05.110

EGOI_100515KSEP7952.E2	15-MAY-2010	11:11:40.220
EGOI_100515KSEP7981.E2	15-MAY-2010	12:50:54.327
EGOI_100515KSEP7991.E2	15-MAY-2010	14:29:47.430
EGOI_100515KSEP8002.E2	15-MAY-2010	16:07:30.029
EGOI_100515KSEP8029.E2	15-MAY-2010	17:45:29.128
EGOI_100515KSEP8061.E2	15-MAY-2010	19:23:25.234
EGOI_100515KSEP8087.E2	15-MAY-2010	21:03:28.841
EGOI_100515KSEP8096.E2	15-MAY-2010	22:46:02.471
EGOI_100515MIEP2688.E2	15-MAY-2010	02:27:53.513
EGOI_100515MIEP2709.E2	15-MAY-2010	04:06:57.123
EGOI_100515MIEP2729.E2	15-MAY-2010	14:48:08.543
EGOI_100515MIEP2748.E2	15-MAY-2010	16:26:07.646
EGOI_100515MMEP8351.E2	15-MAY-2010	01:51:15.787
EGOI_100515MMEP8360.E2	15-MAY-2010	10:19:45.900
EGOI_100515MMEP8369.E2	15-MAY-2010	12:00:19.517
EGOI_100515MMEP8377.E2	15-MAY-2010	15:19:08.732
EGOI_100515MMEP8385.E2	15-MAY-2010	16:58:58.849
EGOI_100515MSEP5544.E2	15-MAY-2010	00:47:04.900
EGOI_100515MSEP5564.E2	15-MAY-2010	11:24:46.298
EGOI_100515MSEP5588.E2	15-MAY-2010	13:05:24.412
EGOI_100515MSEP5615.E2	15-MAY-2010	22:33:45.897
EGOI_100515SGEP5647.E2	15-MAY-2010	03:08:49.263
EGOI_100515SGEP5653.E2	15-MAY-2010	04:49:30.381
EGOI_100515SGEP5659.E2	15-MAY-2010	14:06:29.287
EGOI_100515SGEP5666.E2	15-MAY-2010	15:43:34.384

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78775	15-MAY-2010	07:51:01.018	07:52:26.999	85.981000
KS	78776	15-MAY-2010	09:30:36.901	09:32:05.110	88.209000
KS	78777	15-MAY-2010	11:10:11.469	11:11:40.219	88.750000
KS	78778	15-MAY-2010	12:49:27.007	12:50:54.326	87.319000
KS	78779	15-MAY-2010	14:28:14.105	14:29:47.430	93.325000
KS	78780	15-MAY-2010	16:05:58.070	16:07:30.028	91.958000
KS	78781	15-MAY-2010	17:43:53.573	17:45:29.127	95.554000
KS	78782	15-MAY-2010	19:22:19.837	19:23:25.234	65.397000
KS	78784	15-MAY-2010	22:45:00.915	22:46:02.471	61.556000
GS	78773	15-MAY-2010	04:10:51.570	04:11:52.649	61.079000
MS	78777	15-MAY-2010	11:23:09.472	11:24:46.297	96.825000
MS	78778	15-MAY-2010	13:03:45.602	13:05:24.411	98.809000

MS	78784	15-MAY-2010	22:32:45.337	22:33:45.897	60.560000
MI	78772	15-MAY-2010	02:26:35.742	02:27:53.513	77.771000
MI	78773	15-MAY-2010	04:04:52.996	04:06:57.123	124.12700
MI	78779	15-MAY-2010	14:46:51.744	14:48:08.543	76.799000
MI	78780	15-MAY-2010	16:24:45.078	16:26:07.646	82.568000
BE	78772	15-MAY-2010	02:56:02.124	02:57:37.196	95.072000
BE	78773	15-MAY-2010	04:36:28.899	04:38:03.310	94.411000
SG	78772	15-MAY-2010	03:07:12.532	03:08:49.263	96.731000
SG	78772	15-MAY-2010	03:13:59.793	03:20:50.061	410.26800
SG	78779	15-MAY-2010	15:41:52.821	15:43:34.384	101.56300

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	78770	14-MAY-2010	23:57:58.438	00:12:29.488	871.05000
MM	78770	15-MAY-2010	00:08:57.290	00:20:18.729	681.43900
HO	78771	15-MAY-2010	01:39:30.672	01:50:39.868	669.19600
MM	78772	15-MAY-2010	03:34:05.234	03:41:11.391	426.15700
CM	78772	15-MAY-2010	04:03:27.296	04:15:52.517	745.22100
MM	78773	15-MAY-2010	05:16:55.919	05:22:42.337	346.41800
MM	78774	15-MAY-2010	06:58:30.313	07:05:30.700	420.38700
JO	78774	15-MAY-2010	06:39:43.886	06:49:24.342	580.45600
MM	78775	15-MAY-2010	08:39:09.102	08:48:30.581	561.47900
MA	78775	15-MAY-2010	08:01:42.968	08:10:09.417	506.44900
JO	78775	15-MAY-2010	08:15:39.812	08:30:41.484	901.67200
MA	78776	15-MAY-2010	09:38:41.233	09:52:21.596	820.36300
MA	78777	15-MAY-2010	11:19:35.233	11:28:08.897	513.66400
MM	78778	15-MAY-2010	13:39:14.212	13:51:57.817	763.60500
SG	78778	15-MAY-2010	14:05:37.346	14:13:47.234	489.88800
BE	78779	15-MAY-2010	14:12:39.858	14:26:04.309	804.45100
GS	78779	15-MAY-2010	14:40:00.386	14:50:53.534	653.14800
BE	78780	15-MAY-2010	15:55:42.729	16:03:16.680	453.95100
GS	78780	15-MAY-2010	16:18:48.907	16:32:36.401	827.49400
CM	78780	15-MAY-2010	16:27:25.739	16:39:50.998	745.25900
MM	78781	15-MAY-2010	18:37:10.574	18:49:46.169	755.59500
GS	78781	15-MAY-2010	17:59:24.525	18:08:44.995	560.47000

JO	78781	15-MAY-2010	19:00:16.446	19:06:30.545	374.09900
MM	78782	15-MAY-2010	20:16:28.408	20:29:12.060	763.65200
MA	78782	15-MAY-2010	19:19:03.593	19:27:39.455	515.86200
JO	78782	15-MAY-2010	20:35:44.773	20:50:43.867	899.09400
HO	78783	15-MAY-2010	21:51:29.030	22:00:32.920	543.89000
MM	78783	15-MAY-2010	21:56:19.662	22:08:54.379	754.71700
MA	78783	15-MAY-2010	20:54:15.177	21:07:57.407	822.23000
JO	78783	15-MAY-2010	22:16:33.861	22:27:23.006	649.14500
HO	78784	15-MAY-2010	23:26:55.039	23:41:11.639	856.60000
MM	78784	15-MAY-2010	23:37:04.388	23:48:51.254	706.86600
MA	78784	15-MAY-2010	22:39:11.060	22:45:05.641	354.58100

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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

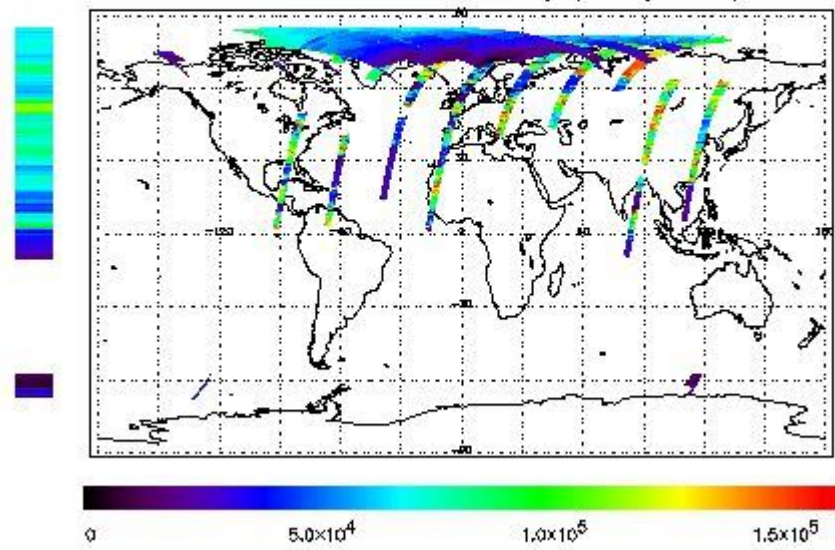
2.2 - Daily Plots

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 : 15-MAY-2010 00:47:04.900 : ORBIT : 78771.0249
 Last Product : 15-MAY-2010 22:57:38.541 : ORBIT : 78784.2513
 Total Products Processed : 18450 Day : 135 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

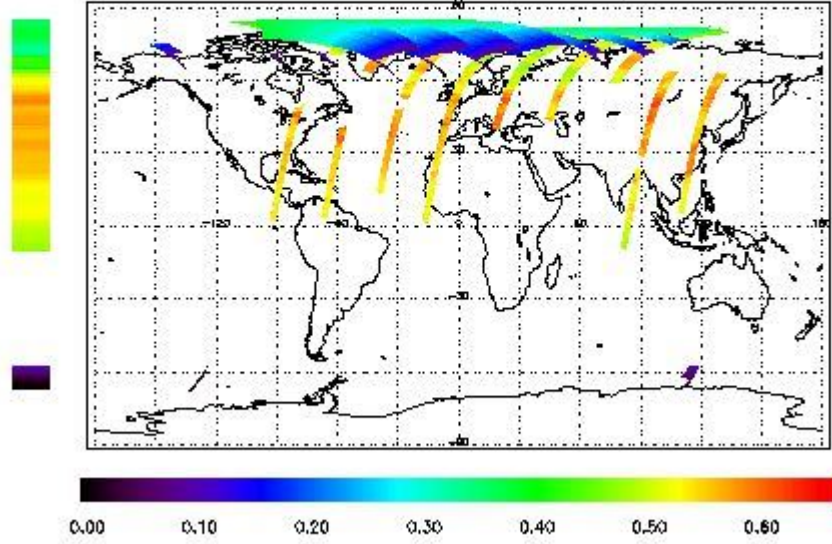


Ozone Line Ratio

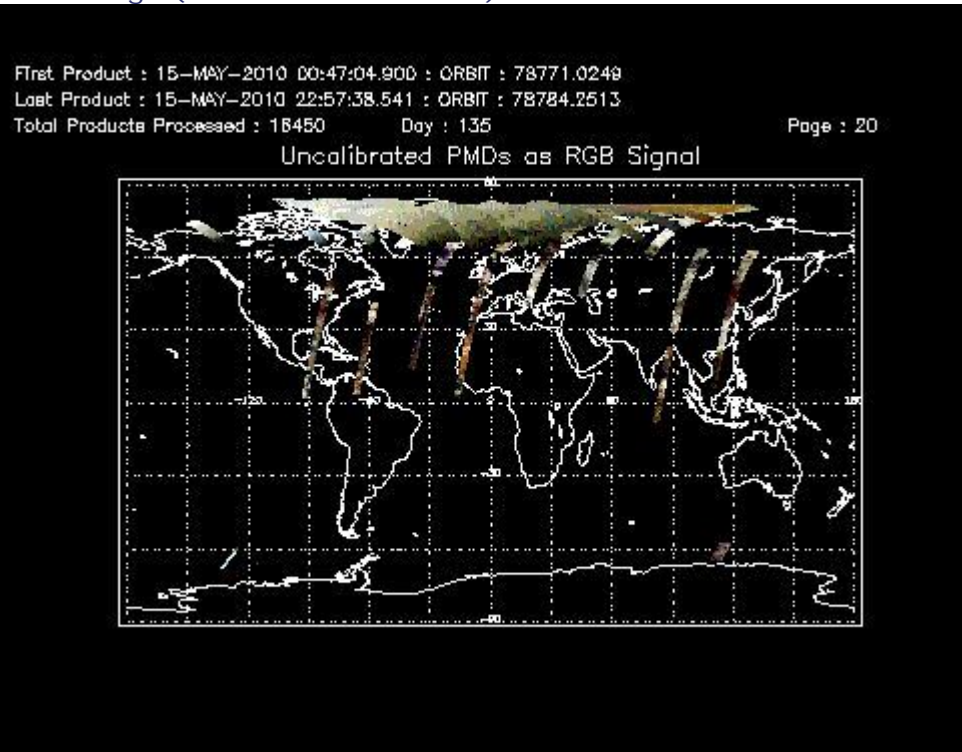
First Product : 15-MAY-2010 00:47:04.900 : ORBIT : 78771.0249
 Last Product : 15-MAY-2010 22:57:38.541 : ORBIT : 78784.2513
 Total Products Processed : 18450 Day : 135

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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	17:47:38.143	--	78781	Yes	--	14566

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
20:00	17:30	78768	78781

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