GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	04-MAY-2010
Start Time of First Product	23:50:43 (03-May)
Stop Time of Last Product	23:43:05
Number of EGOI Products analysed	40
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath performed as planned, start orbit: 78624

1.2 - List of received products

Name	Date	Time
EGOI_100504BEEP2629.E2	04-MAY-2010	02:04:21.552
EGOI_100504BEEP2638.E2	04-MAY-2010	03:44:41.661
EGOI_100504GSEP5569.E2	04-MAY-2010	01:38:07.891
EGOI_100504GSEP5601.E2	04-MAY-2010	03:16:24.985
EGOI_100504GSEP5610.E2	04-MAY-2010	04:59:25.614
EGOI_100504KSEP5123.E2	04-MAY-2010	06:58:15.841
EGOI_100504KSEP5141.E2	04-MAY-2010	08:37:56.955
EGOI_100504KSEP5159.E2	04-MAY-2010	10:17:38.062
EGOI_100504KSEP5180.E2	04-MAY-2010	11:57:08.668

EGOI_100504KSEP5197.E2	04-MAY-2010	13:36:06.275
EGOI_100504KSEP5210.E2	04-MAY-2010	15:14:45.874
EGOI_100504KSEP5237.E2	04-MAY-2010	16:52:14.340
EGOI_100504KSEP5268.E2	04-MAY-2010	18:30:07.439
EGOI_100504KSEP5300.E2	04-MAY-2010	20:08:54.547
EGOI_100504KSEP5328.E2	04-MAY-2010	21:50:01.165
EGOI_100504KSEP5352.E2	04-MAY-2010	23:33:31.803
EGOI_100504MAEP1840.E2	04-MAY-2010	08:46:21.006
EGOI_100504MAEP1853.E2	04-MAY-2010	10:25:06.605
EGOI_100504MIEP1459.E2	04-MAY-2010	01:39:39.403
EGOI_100504MIEP1485.E2	04-MAY-2010	03:11:59.462
EGOI_100504MIEP1510.E2	04-MAY-2010	04:53:40.579
EGOI_100504MIEP1537.E2	04-MAY-2010	15:32:15.983
EGOI_100504MIEP1564.E2	04-MAY-2010	17:12:27.965
EGOI_100504MMEP7765.E2	04-MAY-2010	00:55:57.134
EGOI_100504MMEP7771.E2	04-MAY-2010	02:38:17.255
EGOI_100504MMEP7778.E2	04-MAY-2010	04:20:59.880
EGOI_100504MMEP7785.E2	04-MAY-2010	06:03:20.013
EGOI_100504MMEP7792.E2	04-MAY-2010	11:05:42.852
EGOI_100504MMEP7800.E2	04-MAY-2010	12:45:35.961
EGOI_100504MMEP7810.E2	04-MAY-2010	16:04:47.687
EGOI_100504MMEP7816.E2	04-MAY-2010	19:23:34.769
EGOI_100504MSEP4225.E2	03-MAY-2010	23:50:43.234
EGOI_100504MSEP4249.E2	04-MAY-2010	10:31:57.645
EGOI_100504MSEP4279.E2	04-MAY-2010	12:10:11.751
EGOI_100504MSEP4294.E2	04-MAY-2010	21:46:43.146
EGOI_100504MSEP4326.E2	04-MAY-2010	23:18:58.709
EGOI_100504SGEP5358.E2	04-MAY-2010	02:16:29.126
EGOI_100504SGEP5364.E2	04-MAY-2010	03:53:50.716
EGOI_100504SGEP5371.E2	04-MAY-2010	15:01:47.295
EGOI_100504SGEP5376.E2	04-MAY-2010	16:38:26.258

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78617	04-MAY-2010	06:57:06.401	06:58:15.840	69.439000
KS	78618	04-MAY-2010	08:36:31.720	08:37:56.954	85.234000
KS	78619	04-MAY-2010	10:16:09.375	10:17:38.061	88.686000
KS	78620	04-MAY-2010	11:55:37.483	11:57:08.667	91.184000
KS	78621	04-MAY-2010	13:34:37.912	13:36:06.275	88.363000
KS	78622	04-MAY-2010	15:12:59.915	15:14:45.873	105.95800
KS	78623	04-MAY-2010	16:50:36.957	16:52:14.339	97.382000
KS	78624	04-MAY-2010	18:28:38.848	18:30:07.439	88.591000

KS	78625	04-MAY-2010	20:07:54.184	20:08:54.546	60.362000
MS	78613	03-MAY-2010	23:49:28.187	23:50:43.233	75.046000
MS	78619	04-MAY-2010	10:30:22.545	10:31:57.645	95.100000
MS	78620	04-MAY-2010	12:08:38.372	12:10:11.751	93.379000
MS	78627	04-MAY-2010	23:17:46.112	23:18:58.708	72.596000
MI	78615	04-MAY-2010	03:10:41.160	03:11:59.462	78.302000
MI	78616	04-MAY-2010	04:52:27.529	04:53:40.579	73.050000
MI	78622	04-MAY-2010	15:30:54.864	15:32:15.982	81.118000
MI	78623	04-MAY-2010	17:11:08.524	17:12:27.964	79.440000
MM	78624	04-MAY-2010	19:22:31.518	19:23:34.769	63.251000
BE	78614	04-MAY-2010	02:02:35.520	02:04:21.552	106.03200
BE	78615	04-MAY-2010	03:41:38.072	03:44:41.660	183.58800
SG	78614	04-MAY-2010	02:15:24.256	02:16:29.125	64.869000
SG	78615	04-MAY-2010	03:52:35.742	03:53:50.715	74.973000
SG	78615	04-MAY-2010	04:03:34.278	04:06:04.531	150.25300

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	78613	04-MAY-2010	00:43:42.226	00:57:48.118	845.89200
KS	78613	04-MAY-2010	00:06:32.956	00:11:21.467	288.51100
CM	78615	04-MAY-2010	03:10:49.352	03:21:07.358	618.00600
CM	78615	04-MAY-2010	04:49:32.421	05:00:37.133	664.71200
MM	78617	04-MAY-2010	07:44:35.107	07:52:39.254	484.14700
JO	78617	04-MAY-2010	07:22:38.811	07:36:18.343	819.53200
MM	78618	04-MAY-2010	09:25:01.105	09:35:21.341	620.23600
JO	78618	04-MAY-2010	09:01:39.754	09:15:38.795	839.04100
HO	78621	04-MAY-2010	14:33:55.632	14:45:36.026	700.39400
MM	78621	04-MAY-2010	14:24:46.363	14:37:29.485	763.12200
SG	78621	04-MAY-2010	14:48:28.302	15:01:24.464	776.16200
BE	78622	04-MAY-2010	14:58:46.463	15:11:09.041	742.57800
GS	78622	04-MAY-2010	15:24:54.199	15:38:30.881	816.68200
CM	78622	04-MAY-2010	15:34:29.265	15:44:53.769	624.50400
MM	78623	04-MAY-2010	17:43:21.822	17:55:53.885	752.06300
GS	78623	04-MAY-2010	17:04:33.905	17:17:09.634	755.72900
CM	78623	04-MAY-2010	17:13:23.631	17:24:21.541	657.91000

JO	78624	04-MAY-2010	19:42:42.852	19:55:36.291	773.43900
MM	78625	04-MAY-2010	21:02:01.752	21:14:44.878	763.12600
MA	78625	04-MAY-2010	20:00:52.235	20:14:14.278	802.04300
JO	78625	04-MAY-2010	21:21:19.263	21:35:45.002	865.73900
HO	78626	04-MAY-2010	22:34:19.079	22:46:50.969	751.89000
MM	78626	04-MAY-2010	22:42:15.396	22:54:34.121	738.72500
MA	78626	04-MAY-2010	21:40:35.866	21:53:13.994	758.12800

[BACK TO MENU]

1.5 - List of corrupted products

Station	Orbit	Time

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2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

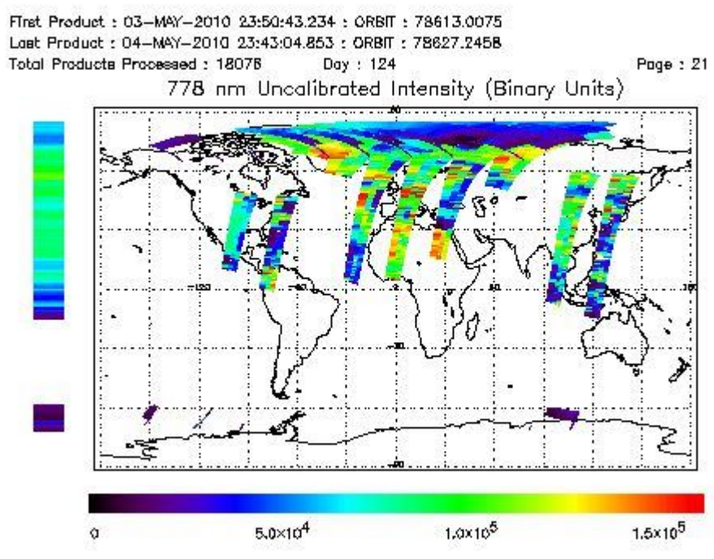
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	Polar View operated
Polarization Detectors	OK
FPA Temperatures A	OK
FPA 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

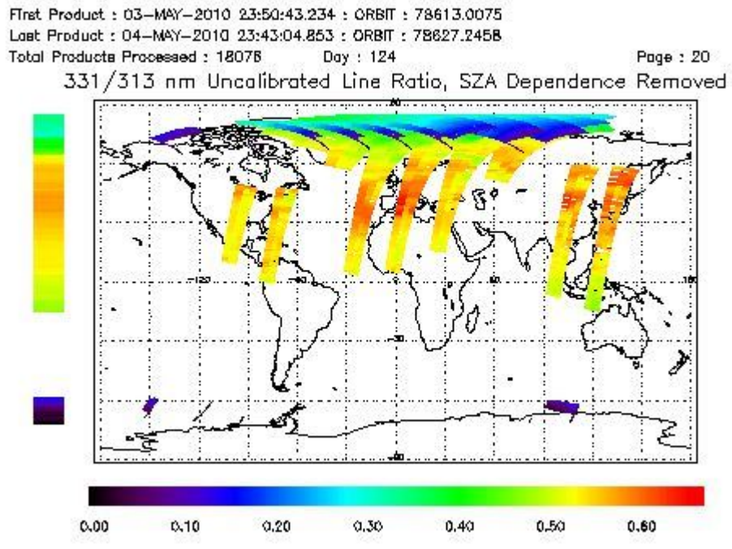
2.2 - Daily Plots

The images linked below provide a quick check on the data coverage and instrument performance. All data are UNCALIBRATED. For the explaination see the GOME Performance Legend

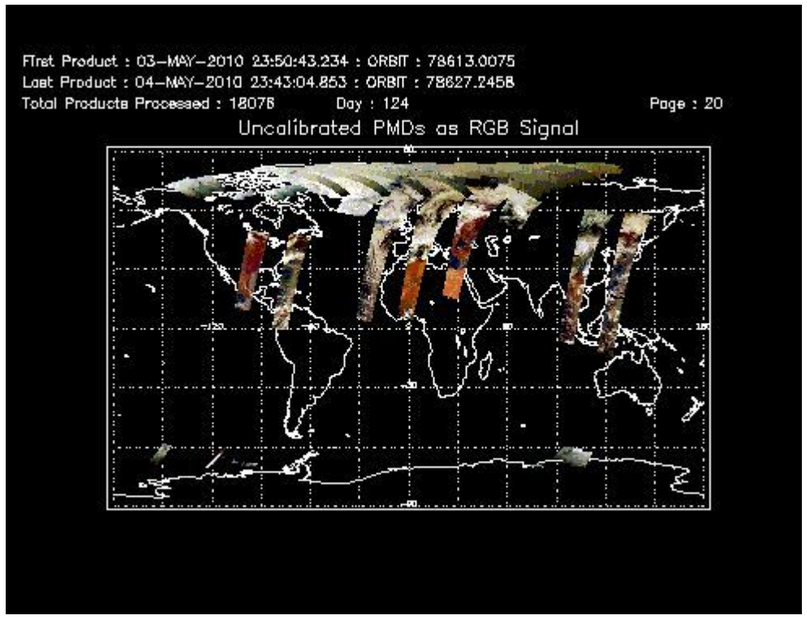
NEAR IR Intensity



Ozone Line Ratio



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	16:53:50.351	--	78623	Yes	--	15420

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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(1)

[BACK TO MENU]

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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[BACK TO MENU]

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
18:30	--	78624	--

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