GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	14-MAY-2010
Start Time of First Product	23:51:42 (13 May)
Stop Time of Last Product	23:28:52
Number of EGOI Products analysed	36
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath performed as planned, start orbit: 78768

1.2 - List of received products

Name	Date	Time
EGOI_100514BEEP2718.E2	14-MAY-2010	03:28:54.210
EGOI_100514GSEP6294.E2	14-MAY-2010	01:24:36.948
EGOI_100514GSEP6326.E2	14-MAY-2010	03:02:07.546
EGOI_100514GSEP6354.E2	14-MAY-2010	04:44:42.671
EGOI_100514GSEP6360.E2	14-MAY-2010	06:26:44.801
EGOI_100514KSEP7619.E2	13-MAY-2010	23:51:42.384
EGOI_100514KSEP7636.E2	14-MAY-2010	06:43:49.401
EGOI_100514KSEP7656.E2	14-MAY-2010	08:23:44.016
EGOI_100514KSEP7674.E2	14-MAY-2010	10:03:23.631

EGOI_100514KSEP7695.E2	14-MAY-2010	11:42:58.741
EGOI_100514KSEP7712.E2	14-MAY-2010	13:21:59.344
EGOI_100514KSEP7721.E2	14-MAY-2010	15:00:41.951
EGOI_100514KSEP7748.E2	14-MAY-2010	16:38:15.550
EGOI_100514KSEP7778.E2	14-MAY-2010	18:16:19.004
EGOI_100514KSEP7809.E2	14-MAY-2010	19:54:46.607
EGOI_100514KSEP7831.E2	14-MAY-2010	21:35:36.729
EGOI_100514KSEP7855.E2	14-MAY-2010	23:18:37.359
EGOI_100514MIEP2582.E2	14-MAY-2010	02:58:03.022
EGOI_100514MIEP2608.E2	14-MAY-2010	04:38:35.136
EGOI_100514MIEP2634.E2	14-MAY-2010	15:18:13.554
EGOI_100514MIEP2662.E2	14-MAY-2010	16:57:48.667
EGOI_100514MMEP8298.E2	14-MAY-2010	00:41:15.687
EGOI_100514MMEP8304.E2	14-MAY-2010	02:23:29.808
EGOI_100514MMEP8313.E2	14-MAY-2010	07:30:37.692
EGOI_100514MMEP8319.E2	14-MAY-2010	09:10:56.309
EGOI_100514MMEP8327.E2	14-MAY-2010	10:51:16.424
EGOI_100514MMEP8336.E2	14-MAY-2010	12:31:18.532
EGOI_100514MSEP5425.E2	14-MAY-2010	10:18:19.221
EGOI_100514MSEP5454.E2	14-MAY-2010	11:55:54.321
EGOI_100514MSEP5473.E2	14-MAY-2010	13:38:02.443
EGOI_100514MSEP5490.E2	14-MAY-2010	21:28:45.686
EGOI_100514MSEP5521.E2	14-MAY-2010	23:04:49.269
EGOI_100514SGEP5620.E2	14-MAY-2010	02:06:26.702
EGOI_100514SGEP5628.E2	14-MAY-2010	03:50:33.339
EGOI_100514SGEP5634.E2	14-MAY-2010	14:37:16.303
EGOI_100514SGEP5639.E2	14-MAY-2010	16:15:40.905

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78761	14-MAY-2010	08:22:18.030	08:23:44.016	85.986000
KS	78762	14-MAY-2010	10:01:55.619	10:03:23.630	88.011000
KS	78763	14-MAY-2010	11:41:26.129	11:42:58.741	92.612000
KS	78764	14-MAY-2010	13:20:31.733	13:21:59.343	87.610000
KS	78765	14-MAY-2010	14:59:05.992	15:00:41.950	95.958000
KS	78766	14-MAY-2010	16:36:42.910	16:38:15.549	92.639000
KS	78767	14-MAY-2010	18:14:35.174	18:16:19.004	103.83000
KS	78768	14-MAY-2010	19:53:37.308	19:54:46.606	69.298000
KS	78769	14-MAY-2010	21:34:27.933	21:35:36.729	68.796000
MS	78762	14-MAY-2010	10:16:43.662	10:18:19.220	95.558000
MS	78763	14-MAY-2010	11:54:16.990	11:55:54.321	97.331000

MS	78770	14-MAY-2010	23:03:33.966	23:04:49.268	75.302000
MI	78758	14-MAY-2010	02:56:44.516	02:58:03.021	78.505000
MI	78759	14-MAY-2010	04:37:18.100	04:38:35.135	77.035000
MI	78765	14-MAY-2010	15:16:58.693	15:18:13.553	74.860000
MI	78766	14-MAY-2010	16:56:30.761	16:57:48.666	77.905000
BE	78758	14-MAY-2010	03:27:20.077	03:28:54.209	94.132000
SG	78757	14-MAY-2010	02:02:34.380	02:06:26.701	232.32100
SG	78758	14-MAY-2010	03:38:16.340	03:50:33.338	736.99800
SG	78764	14-MAY-2010	14:34:46.959	14:37:16.303	149.34400
SG	78765	14-MAY-2010	16:13:41.973	16:15:40.904	118.93100

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	78756	14-MAY-2010	00:29:05.334	00:43:42.425	877.09100
BE	78757	14-MAY-2010	01:48:43.492	01:59:44.550	661.05800
MM	78758	14-MAY-2010	04:06:29.627	04:12:57.581	387.95400
CM	78758	14-MAY-2010	02:57:28.451	03:06:19.254	530.80300
CM	78758	14-MAY-2010	04:34:57.283	04:46:47.251	709.96800
MM	78759	14-MAY-2010	05:49:00.242	05:54:54.243	354.00100
JO	78760	14-MAY-2010	07:09:01.083	07:21:47.886	766.80300
MA	78761	14-MAY-2010	08:31:07.013	08:43:08.249	721.23600
JO	78761	14-MAY-2010	08:47:08.768	09:01:41.638	872.87000
MA	78762	14-MAY-2010	10:09:59.665	10:22:53.759	774.09400
MA	78763	14-MAY-2010	11:51:59.580	11:57:05.331	305.75100
HO	78764	14-MAY-2010	14:19:29.910	14:32:10.029	760.11900
MM	78764	14-MAY-2010	14:10:32.930	14:23:16.644	763.71400
SG	78764	14-MAY-2010	14:34:46.959	14:46:48.148	721.18900
BE	78765	14-MAY-2010	14:44:14.023	14:57:07.961	773.93800
MM	78765	14-MAY-2010	15:49:59.828	16:02:35.680	755.85200
GS	78765	14-MAY-2010	15:10:48.523	15:24:02.933	794.41000
CM	78765	14-MAY-2010	15:21:00.822	15:29:54.611	533.78900
MM	78766	14-MAY-2010	17:29:12.176	17:41:43.844	751.66800
GS	78766	14-MAY-2010	16:50:14.056	17:03:20.169	786.11300
CM	78766	14-MAY-2010	16:58:53.589	17:10:37.888	704.29900
MM	78767	14-MAY-2010	19:08:20.871	19:20:59.389	758.51800

JO	78767	14-MAY-2010	19:29:04.272	19:40:41.283	697.01100
MM	78768	14-MAY-2010	20:47:46.691	21:00:30.510	763.81900
MA	78768	14-MAY-2010	19:47:03.238	19:59:41.198	757.96000
JO	78768	14-MAY-2010	21:07:00.063	21:21:48.702	888.63900
HO	78769	14-MAY-2010	22:20:43.730	22:32:30.251	706.52100
MM	78769	14-MAY-2010	22:27:52.924	22:40:17.638	744.71400
MA	78769	14-MAY-2010	21:26:04.639	21:39:12.090	787.45100
HO	78770	14-MAY-2010	23:57:58.438	00:12:29.488	871.05000

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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

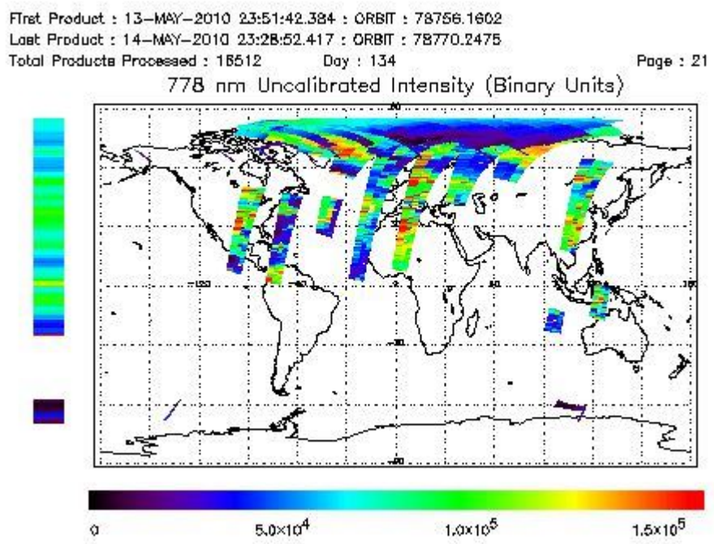
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration 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

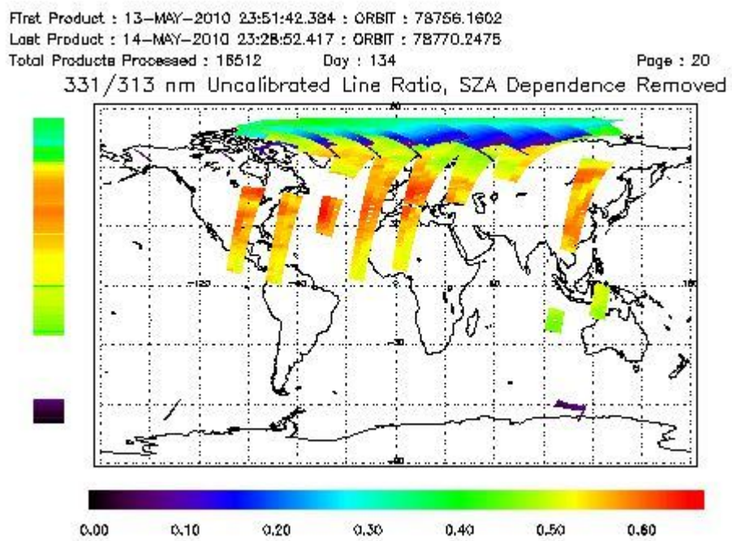
2.2 - Daily Plots

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

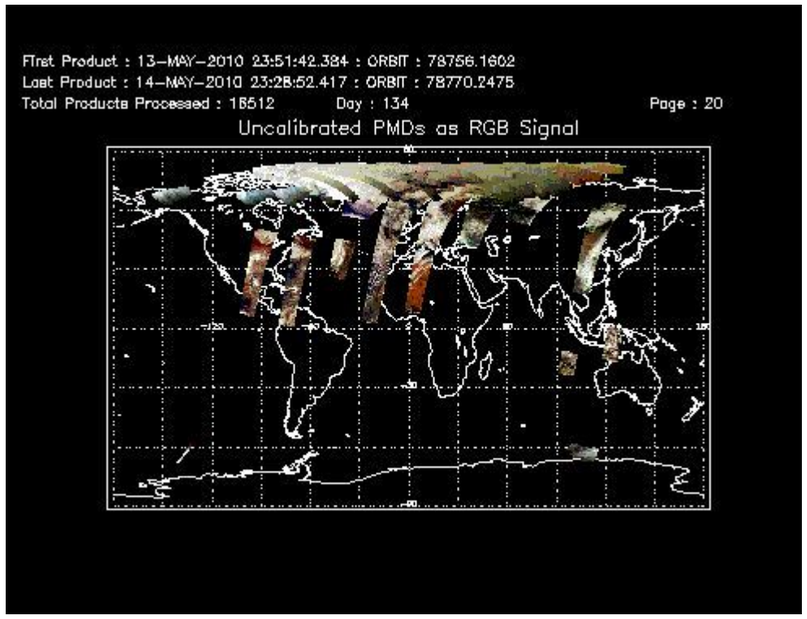
NEAR IR Intensity



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	18:19:17.523	--	78767	Yes	--	14750

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)

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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
20:00	--	78768	--

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