GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	29-MAY-2010
Start Time of First Product	00:05:22
Stop Time of Last Product	23:47:02
Number of EGOI Products analysed	35
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100529BEEP2887.E2	29-MAY-2010	02:18:14.654
EGOI_100529BEEP2893.E2	29-MAY-2010	03:57:30.259
EGOI_100529CMEP7832.E2	29-MAY-2010	15:48:55.608
EGOI_100529CMEP7842.E2	29-MAY-2010	17:28:27.710
EGOI_100529GSEP7336.E2	29-MAY-2010	01:52:11.497
EGOI_100529GSEP7366.E2	29-MAY-2010	03:31:01.603
EGOI_100529GSEP7373.E2	29-MAY-2010	05:13:41.224
EGOI_100529KSEP9541.E2	29-MAY-2010	07:12:20.951
EGOI_100529KSEP9562.E2	29-MAY-2010	08:52:17.060

EGOI_100529KSEP9584.E2	29-MAY-2010	10:31:56.671
EGOI_100529KSEP9610.E2	29-MAY-2010	12:11:21.278
EGOI_100529KSEP9623.E2	29-MAY-2010	13:50:21.884
EGOI_100529KSEP9636.E2	29-MAY-2010	15:28:44.979
EGOI_100529KSEP9663.E2	29-MAY-2010	17:06:14.077
EGOI_100529KSEP9694.E2	29-MAY-2010	18:44:14.675
EGOI_100529KSEP9725.E2	29-MAY-2010	20:23:18.279
EGOI_100529KSEP9753.E2	29-MAY-2010	22:04:53.401
EGOI_100529MAEP2726.E2	29-MAY-2010	08:59:47.103
EGOI_100529MAEP2737.E2	29-MAY-2010	10:39:29.718
EGOI_100529MIEP4024.E2	29-MAY-2010	01:51:11.490
EGOI_100529MIEP4051.E2	29-MAY-2010	03:26:19.572
EGOI_100529MIEP4073.E2	29-MAY-2010	05:09:23.197
EGOI_100529MIEP4100.E2	29-MAY-2010	15:46:24.092
EGOI_100529MIEP4128.E2	29-MAY-2010	17:27:20.202
EGOI_100529MMEP9173.E2	29-MAY-2010	01:10:36.742
EGOI_100529MMEP9181.E2	29-MAY-2010	02:53:02.872
EGOI_100529MMEP9189.E2	29-MAY-2010	04:35:45.493
EGOI_100529MMEP9198.E2	29-MAY-2010	11:20:01.461
EGOI_100529MMEP9206.E2	29-MAY-2010	12:59:56.075
EGOI_100529MMEP9221.E2	29-MAY-2010	22:57:25.217
EGOI_100529MSEP7020.E2	29-MAY-2010	00:05:22.848
EGOI_100529MSEP7042.E2	29-MAY-2010	10:45:44.754
EGOI_100529MSEP7070.E2	29-MAY-2010	12:24:42.361
EGOI_100529MSEP7099.E2	29-MAY-2010	21:55:36.842
EGOI_100529MSEP7128.E2	29-MAY-2010	23:33:29.942

[BACK TO MENU]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78975	29-MAY-2010	07:11:16.175	07:12:20.950	64.775000
KS	78976	29-MAY-2010	08:50:45.601	08:52:17.060	91.459000
KS	78977	29-MAY-2010	10:30:22.937	10:31:56.671	93.734000
KS	78978	29-MAY-2010	12:09:48.276	12:11:21.278	93.002000
KS	78979	29-MAY-2010	13:48:43.191	13:50:21.883	98.692000
KS	78980	29-MAY-2010	15:26:52.611	15:28:44.979	112.36800
KS	78981	29-MAY-2010	17:04:34.642	17:06:14.076	99.434000
KS	78982	29-MAY-2010	18:42:44.052	18:44:14.675	90.623000
KS	78983	29-MAY-2010	20:22:13.381	20:23:18.278	64.897000
KS	78984	29-MAY-2010	22:03:42.047	22:04:53.400	71.353000
GS	78972	29-MAY-2010	01:51:06.168	01:52:11.496	65.328000
GS	78973	29-MAY-2010	03:29:57.218	03:31:01.603	64.385000

MS	78971	29-MAY-2010	00:04:07.178	00:05:22.847	75.669000
MS	78977	29-MAY-2010	10:44:06.300	10:45:44.754	98.454000
MS	78978	29-MAY-2010	12:23:00.976	12:24:42.361	101.38500
MS	78984	29-MAY-2010	21:54:32.069	21:55:36.841	64.772000
MS	78985	29-MAY-2010	23:32:05.796	23:33:29.942	84.146000
MA	78977	29-MAY-2010	10:38:24.001	10:39:29.717	65.716000
MI	78972	29-MAY-2010	01:50:00.769	01:51:11.490	70.721000
MI	78973	29-MAY-2010	03:24:45.762	03:26:19.571	93.809000
MI	78974	29-MAY-2010	05:08:10.371	05:09:23.197	72.826000
MI	78980	29-MAY-2010	15:44:57.453	15:46:24.092	86.639000
MI	78981	29-MAY-2010	17:25:57.651	17:27:20.201	82.550000
BE	78972	29-MAY-2010	02:16:33.578	02:18:14.654	101.07600
BE	78973	29-MAY-2010	03:55:58.946	03:57:30.259	91.313000

[BACK TO MENU]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	78971	29-MAY-2010	00:58:16.113	01:11:47.917	811.80400
KS	78971	29-MAY-2010	00:22:22.251	00:24:51.689	149.43800
SG	78972	29-MAY-2010	02:28:42.790	02:40:03.087	680.29700
SG	78973	29-MAY-2010	04:07:03.379	04:19:55.307	771.92800
CM	78973	29-MAY-2010	03:24:25.502	03:35:43.191	677.68900
CM	78973	29-MAY-2010	05:04:20.723	05:14:15.473	594.75000
MM	78974	29-MAY-2010	06:18:02.001	06:24:16.921	374.92000
MM	78975	29-MAY-2010	07:58:57.477	08:07:22.305	504.82800
JO	78975	29-MAY-2010	07:36:25.380	07:50:43.346	857.96600
MM	78976	29-MAY-2010	09:39:20.384	09:49:57.118	636.73400
JO	78976	29-MAY-2010	09:16:19.945	09:29:29.169	789.22400
HO	78979	29-MAY-2010	14:48:25.321	14:58:21.871	596.55000
MM	78979	29-MAY-2010	14:38:59.459	14:51:41.691	762.23200
GS	78979	29-MAY-2010	14:01:36.447	14:09:31.192	474.74500
SG	78979	29-MAY-2010	15:02:19.958	15:15:51.286	811.32800
BE	78980	29-MAY-2010	15:13:27.414	15:25:05.070	697.65600
MM	78980	29-MAY-2010	16:18:21.716	16:30:55.289	753.57300
GS	78980	29-MAY-2010	15:39:02.485	15:52:52.732	830.24700
SG	78980	29-MAY-2010	16:43:27.276	16:52:55.594	568.31800

MM	78981	29-MAY-2010	17:57:31.424	18:10:04.133	752.70900
GS	78981	29-MAY-2010	17:18:55.846	17:30:53.404	717.55800
MM	78982	29-MAY-2010	19:36:42.587	19:49:23.708	761.12100
JO	78982	29-MAY-2010	19:56:31.194	20:10:19.133	827.93900
MM	78983	29-MAY-2010	21:16:17.711	21:28:59.571	761.86000
MA	78983	29-MAY-2010	20:14:47.163	20:28:33.972	826.80900
JO	78983	29-MAY-2010	21:35:43.014	21:49:33.651	830.63700
HO	78984	29-MAY-2010	22:48:03.694	23:01:09.897	786.20300
MA	78984	29-MAY-2010	21:55:51.159	22:07:08.378	677.21900

[BACK TO MENU]

1.5 - List of corrupted products

Station	Orbit	Time

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

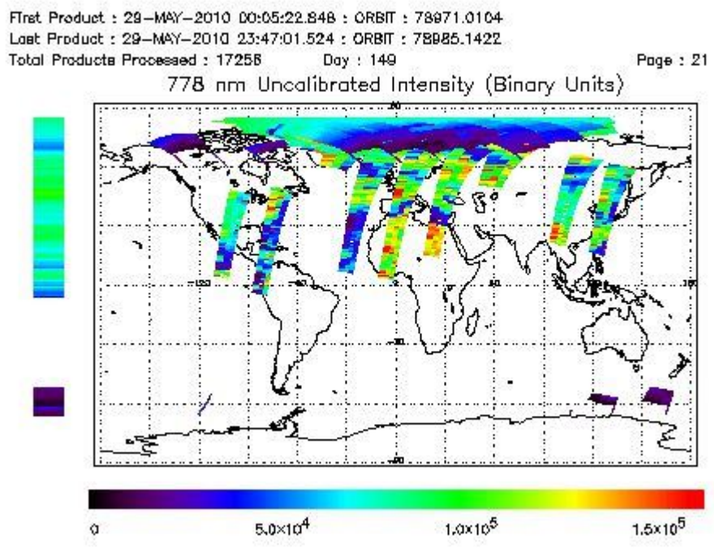
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

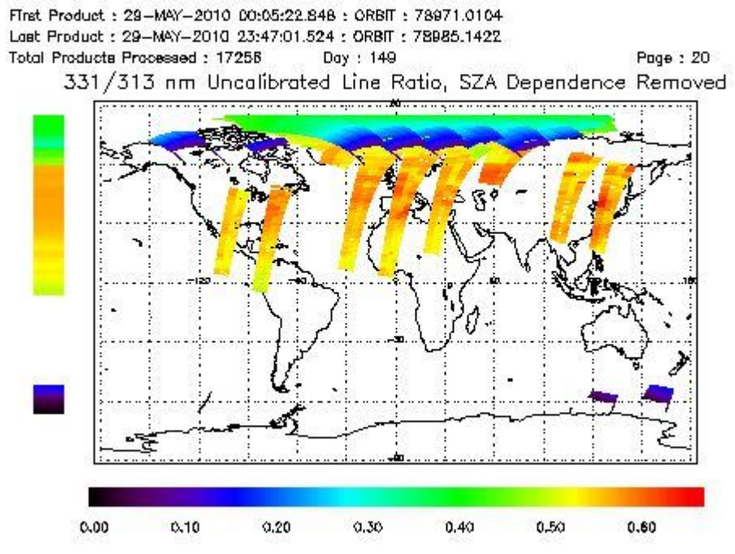
2.2 - Daily Plots

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

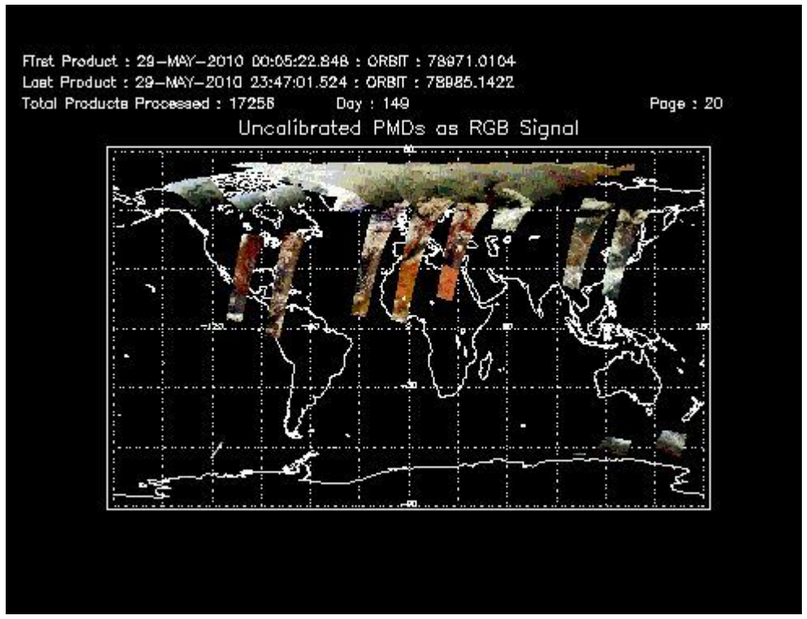
NEAR IR Intensity



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	17:06:45.577	--	78981	Yes	--	14690

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
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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
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5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
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[BACK TO MENU]

(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