GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	16-JUL-2010
Start Time of First Product	23:56:48 (15-Jul)
Stop Time of Last Product	23:49:01
Number of EGOI Products analysed	34
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100716HLEP6057.E2	16-JUL-2010	11:24:16.032
EGOI_100716KSEP0410.E2	16-JUL-2010	07:03:59.448
EGOI_100716KSEP0428.E2	16-JUL-2010	08:43:57.058
EGOI_100716KSEP0453.E2	16-JUL-2010	10:23:36.660
EGOI_100716KSEP0476.E2	16-JUL-2010	12:03:07.270
EGOI_100716KSEP0504.E2	16-JUL-2010	13:42:03.377
EGOI_100716KSEP0530.E2	16-JUL-2010	15:20:36.975
EGOI_100716KSEP0539.E2	16-JUL-2010	16:58:04.566
EGOI_100716KSEP0545.E2	16-JUL-2010	18:36:02.169

EGOI_100716KSEP0562.E2	16-JUL-2010	20:14:53.772
EGOI_100716KSEP0588.E2	16-JUL-2010	21:56:10.882
EGOI_100716KSEP0611.E2	16-JUL-2010	23:39:59.512
EGOI_100716MAEP4561.E2	16-JUL-2010	08:51:48.104
EGOI_100716MAEP4574.E2	16-JUL-2010	10:31:03.706
EGOI_100716MAEP4593.E2	16-JUL-2010	20:08:28.228
EGOI_100716MAEP4615.E2	16-JUL-2010	21:48:07.834
EGOI_100716MIEP6373.E2	16-JUL-2010	01:44:04.999
EGOI_100716MIEP6396.E2	16-JUL-2010	03:18:14.573
EGOI_100716MIEP6419.E2	16-JUL-2010	05:00:09.190
EGOI_100716MIEP6438.E2	16-JUL-2010	15:38:10.085
EGOI_100716MIEP6447.E2	16-JUL-2010	17:18:39.191
EGOI_100716MMEP1422.E2	16-JUL-2010	01:01:37.737
EGOI_100716MMEP1428.E2	16-JUL-2010	02:44:12.862
EGOI_100716MMEP1439.E2	16-JUL-2010	11:11:32.453
EGOI_100716MMEP1450.E2	16-JUL-2010	17:50:57.392
EGOI_100716MMEP1457.E2	16-JUL-2010	21:09:01.600
EGOI_100716MSEP2530.E2	15-JUL-2010	23:56:47.842
EGOI_100716MSEP2548.E2	16-JUL-2010	10:37:47.246
EGOI_100716MSEP2577.E2	16-JUL-2010	12:16:20.850
EGOI_100716MSEP2603.E2	16-JUL-2010	21:47:34.831
EGOI_100716MSEP2635.E2	16-JUL-2010	23:25:00.922
EGOI_100716SGEP7109.E2	16-JUL-2010	04:11:25.393
EGOI_100716SGEP7115.E2	16-JUL-2010	14:57:38.335
EGOI_100716SGEP7122.E2	16-JUL-2010	16:36:20.937

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	79662	16-JUL-2010	07:02:46.140	07:03:59.448	73.308000
KS	79663	16-JUL-2010	08:42:13.255	08:43:57.058	103.80300
KS	79664	16-JUL-2010	10:21:50.826	10:23:36.659	105.83300
KS	79665	16-JUL-2010	12:01:17.870	12:03:07.269	109.39900
KS	79666	16-JUL-2010	13:40:16.118	13:42:03.377	107.25900
KS	79667	16-JUL-2010	15:18:30.489	15:20:36.975	126.48600
KS	79668	16-JUL-2010	16:56:11.974	16:58:04.565	112.59100
KS	79669	16-JUL-2010	18:34:16.739	18:36:02.168	105.42900
KS	79670	16-JUL-2010	20:13:37.579	20:14:53.771	76.192000
KS	79671	16-JUL-2010	21:54:54.466	21:56:10.881	76.415000
KS	79672	16-JUL-2010	23:38:58.616	23:39:59.511	60.895000
MS	79658	15-JUL-2010	23:55:18.550	23:56:47.842	89.292000

MS	79664	16-JUL-2010	10:35:51.967	10:37:47.245	115.27800
MS	79665	16-JUL-2010	12:14:24.035	12:16:20.850	116.81500
MS	79672	16-JUL-2010	23:23:29.060	23:25:00.921	91.861000
MA	79664	16-JUL-2010	10:29:51.978	10:31:03.706	71.728000
MA	79670	16-JUL-2010	20:06:25.510	20:08:28.228	122.71800
MA	79671	16-JUL-2010	21:47:01.223	21:48:07.833	66.610000
MI	79659	16-JUL-2010	01:43:03.305	01:44:04.998	61.693000
MI	79667	16-JUL-2010	15:36:31.191	15:38:10.085	98.894000
MI	79668	16-JUL-2010	17:17:02.505	17:18:39.190	96.685000
MM	79668	16-JUL-2010	17:49:01.665	17:50:57.391	115.72600
SG	79660	16-JUL-2010	03:58:21.751	04:11:25.393	783.64200
SG	79666	16-JUL-2010	14:53:59.840	14:57:38.335	218.49500
SG	79667	16-JUL-2010	16:34:24.469	16:36:20.937	116.46800

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	79658	16-JUL-2010	00:49:31.323	01:03:24.490	833.16700
KS	79658	16-JUL-2010	00:12:47.624	00:16:50.240	242.61600
BE	79659	16-JUL-2010	02:08:10.115	02:20:23.841	733.72600
GS	79659	16-JUL-2010	01:42:50.095	01:55:16.007	745.91200
SG	79659	16-JUL-2010	02:20:41.208	02:31:06.092	624.88400
BE	79660	16-JUL-2010	03:47:22.062	04:00:00.551	758.48900
MM	79660	16-JUL-2010	04:27:05.370	04:33:14.042	368.67200
GS	79660	16-JUL-2010	03:21:18.244	03:34:59.535	821.29100
CM	79660	16-JUL-2010	03:16:14.249	03:26:58.913	644.66400
CM	79660	16-JUL-2010	04:55:25.938	05:06:06.084	640.14600
MM	79661	16-JUL-2010	06:09:20.183	06:15:27.600	367.41700
MM	79662	16-JUL-2010	07:50:20.134	07:58:32.553	492.41900
JO	79662	16-JUL-2010	07:28:08.446	07:42:04.945	836.49900
MM	79663	16-JUL-2010	09:30:44.855	09:41:11.807	626.95200
JO	79663	16-JUL-2010	09:07:30.633	09:21:11.853	821.22000
HO	79664	16-JUL-2010	11:21:21.069	11:31:59.543	638.47400
HO	79665	16-JUL-2010	12:59:23.289	13:14:12.703	889.41400
MM	79665	16-JUL-2010	12:50:47.693	13:03:25.858	758.16500
HO	79666	16-JUL-2010	14:39:42.819	14:50:47.518	664.69900

MM	79666	16-JUL-2010	14:30:27.643	14:43:10.440	762.79700
SG	79666	16-JUL-2010	14:53:59.840	15:07:12.234	792.39400
BE	79667	16-JUL-2010	15:04:37.741	15:16:44.136	726.39500
MM	79667	16-JUL-2010	16:09:51.275	16:22:25.465	754.19000
GS	79667	16-JUL-2010	15:30:33.224	15:44:16.326	823.10200
CM	79667	16-JUL-2010	15:39:57.084	15:50:48.561	651.47700
GS	79668	16-JUL-2010	17:10:18.415	17:22:39.846	741.43100
CM	79668	16-JUL-2010	17:19:14.231	17:29:47.654	633.42300
MM	79669	16-JUL-2010	19:28:11.891	19:40:52.270	760.37900
JO	79669	16-JUL-2010	19:48:13.193	20:01:30.713	797.52000
MM	79670	16-JUL-2010	21:07:44.026	21:20:26.717	762.69100
JO	79670	16-JUL-2010	21:27:04.191	21:41:17.420	853.22900
HO	79671	16-JUL-2010	22:39:46.747	22:52:34.711	767.96400
MM	79671	16-JUL-2010	22:48:00.731	23:00:16.793	736.06200

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1.5 - List of corrupted products

Station	Orbit	Time

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

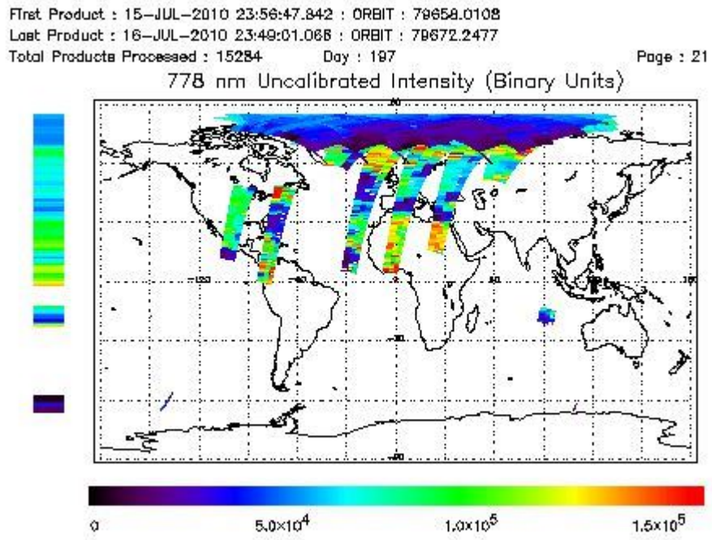
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

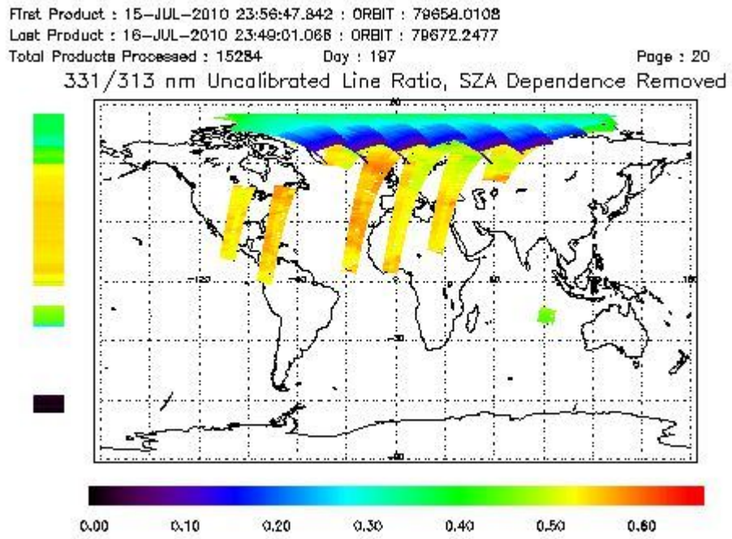
2.2 - Daily Plots

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

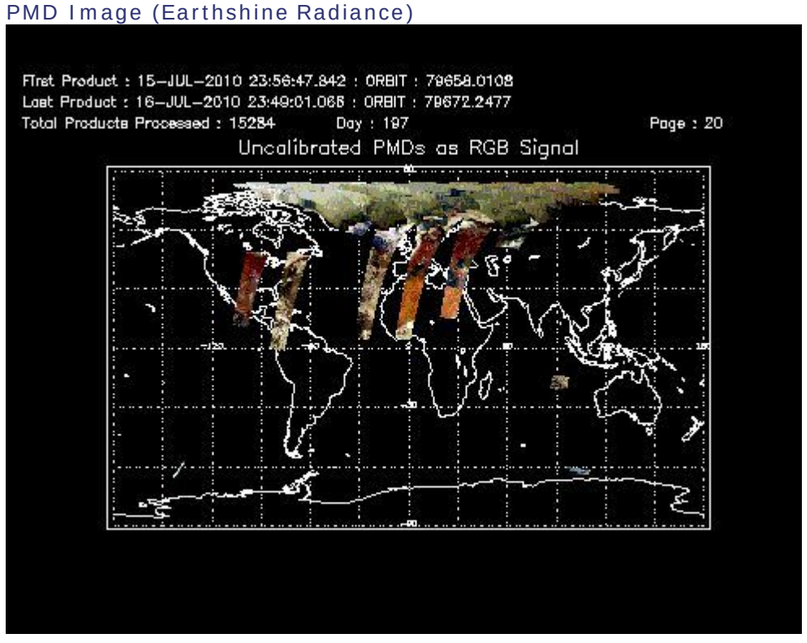
NEAR IR Intensity



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	18:38:51.680	--	79669	Yes	--	14640

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
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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