GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	19-JUL-2010
Start Time of First Product	00:02:41
Stop Time of Last Product	23:44:24
Number of EGOI Products analysed	32
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100719GSEP1045.E2	19-JUL-2010	01:49:28.328
EGOI_100719GSEP1076.E2	19-JUL-2010	03:28:24.425
EGOI_100719GSEP1084.E2	19-JUL-2010	05:11:08.553
EGOI_100719HLEP6107.E2	19-JUL-2010	00:57:04.006
EGOI_100719HLEP6116.E2	19-JUL-2010	13:10:56.482
EGOI_100719HLEP6125.E2	19-JUL-2010	14:48:10.570
EGOI_100719KSEP1136.E2	19-JUL-2010	07:09:40.772
EGOI_100719KSEP1165.E2	19-JUL-2010	08:49:39.882
EGOI_100719KSEP1187.E2	19-JUL-2010	10:29:19.489

EGOI_100719KSEP1217.E2	19-JUL-2010	12:08:44.099
EGOI_100719KSEP1245.E2	19-JUL-2010	13:47:44.701
EGOI_100719KSEP1270.E2	19-JUL-2010	15:26:10.804
EGOI_100719KSEP1299.E2	19-JUL-2010	17:03:38.395
EGOI_100719KSEP1330.E2	19-JUL-2010	18:41:38.994
EGOI_100719KSEP1355.E2	19-JUL-2010	20:20:41.097
EGOI_100719KSEP1383.E2	19-JUL-2010	22:02:08.718
EGOI_100719MAEP4698.E2	19-JUL-2010	10:36:54.034
EGOI_100719MIEP6640.E2	19-JUL-2010	01:48:56.828
EGOI_100719MIEP6667.E2	19-JUL-2010	03:23:43.898
EGOI_100719MIEP6691.E2	19-JUL-2010	05:06:23.523
EGOI_100719MIEP6701.E2	19-JUL-2010	15:43:48.406
EGOI_100719MIEP6719.E2	19-JUL-2010	17:24:34.025
EGOI_100719MMEP1563.E2	19-JUL-2010	02:50:19.699
EGOI_100719MMEP1573.E2	19-JUL-2010	07:56:33.561
EGOI_100719MMEP1579.E2	19-JUL-2010	09:37:13.172
EGOI_100719MMEP1589.E2	19-JUL-2010	11:17:28.789
EGOI_100719MMEP1598.E2	19-JUL-2010	14:36:46.499
EGOI_100719MMEP1608.E2	19-JUL-2010	19:35:15.320
EGOI_100719MMEP1615.E2	19-JUL-2010	21:14:42.925
EGOI_100719MMEP1623.E2	19-JUL-2010	22:54:42.035
EGOI_100719MSEP2875.E2	19-JUL-2010	00:02:41.174
EGOI_100719MSEP2898.E2	19-JUL-2010	10:43:13.575
EGOI_100719MSEP2926.E2	19-JUL-2010	12:22:05.182
EGOI_100719MSEP2955.E2	19-JUL-2010	21:52:59.660
EGOI_100719MSEP2986.E2	19-JUL-2010	23:30:54.258

[BACK TO MENU]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	79705	19-JUL-2010	07:08:26.112	07:09:40.771	74.659000
KS	79706	19-JUL-2010	08:47:54.813	08:49:39.881	105.06800
KS	79707	19-JUL-2010	10:27:32.243	10:29:19.488	107.24500
KS	79708	19-JUL-2010	12:06:58.165	12:08:44.099	105.93400
KS	79709	19-JUL-2010	13:45:54.168	13:47:44.700	110.53200
KS	79710	19-JUL-2010	15:24:04.925	15:26:10.803	125.87800
KS	79711	19-JUL-2010	17:01:47.065	17:03:38.395	111.33000
KS	79712	19-JUL-2010	18:39:54.883	18:41:38.994	104.11100
KS	79713	19-JUL-2010	20:19:21.351	20:20:41.097	79.746000
KS	79714	19-JUL-2010	22:00:46.054	22:02:08.718	82.664000
MS	79701	19-JUL-2010	00:01:10.535	00:02:41.174	90.639000
MS	79707	19-JUL-2010	10:41:22.007	10:43:13.574	111.56700

MS	79708	19-JUL-2010	12:20:09.511	12:22:05.182	115.67100
MS	79714	19-JUL-2010	21:51:51.566	21:52:59.660	68.094000
MS	79715	19-JUL-2010	23:29:13.236	23:30:54.257	101.02100
MA	79707	19-JUL-2010	10:35:32.500	10:36:54.034	81.534000
MI	79702	19-JUL-2010	01:47:35.462	01:48:56.828	81.366000
MI	79703	19-JUL-2010	03:21:56.220	03:23:43.897	107.67700
MI	79704	19-JUL-2010	05:04:57.307	05:06:23.523	86.216000
MI	79710	19-JUL-2010	15:42:08.473	15:43:48.405	99.932000
MI	79711	19-JUL-2010	17:22:58.625	17:24:34.025	95.400000
MM	79712	19-JUL-2010	19:33:52.336	19:35:15.319	82.983000
MM	79713	19-JUL-2010	21:13:26.445	21:14:42.924	76.479000

[BACK TO MENU]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	79701	19-JUL-2010	00:55:21.545	01:09:00.231	818.68600
MM	79701	19-JUL-2010	01:07:11.987	01:17:34.000	622.01300
KS	79701	19-JUL-2010	00:19:08.033	00:22:13.761	185.72800
BE	79702	19-JUL-2010	02:13:45.562	02:26:14.533	748.97100
GS	79702	19-JUL-2010	01:48:20.583	02:01:00.414	759.83100
SG	79702	19-JUL-2010	02:26:01.546	02:37:04.767	663.22100
BE	79703	19-JUL-2010	03:53:06.529	04:05:32.594	746.06500
MM	79703	19-JUL-2010	04:32:58.070	04:39:02.177	364.10700
GS	79703	19-JUL-2010	03:27:03.983	03:40:38.438	814.45500
SG	79703	19-JUL-2010	04:04:09.140	04:17:09.924	780.78400
CM	79703	19-JUL-2010	03:21:41.266	03:32:48.808	667.54200
CM	79703	19-JUL-2010	05:01:21.802	05:11:32.944	611.14200
MM	79704	19-JUL-2010	06:15:08.126	06:21:20.438	372.31200
JO	79705	19-JUL-2010	07:33:39.415	07:47:50.738	851.32300
MA	79706	19-JUL-2010	08:56:50.468	09:09:15.675	745.20700
JO	79706	19-JUL-2010	09:13:23.086	09:26:43.723	800.63700
HO	79707	19-JUL-2010	11:26:47.399	11:38:07.307	679.90800
HO	79708	19-JUL-2010	13:05:03.805	13:19:53.129	889.32400
MM	79708	19-JUL-2010	12:56:29.820	13:09:09.026	759.20600
HO	79709	19-JUL-2010	14:45:30.910	14:55:43.006	612.09600
GS	79709	19-JUL-2010	13:58:56.399	14:06:24.180	447.78100

SG	79709	19-JUL-2010	14:59:32.892	15:12:58.603	805.71100
BE	79710	19-JUL-2010	15:10:30.470	15:22:18.339	707.86900
MM	79710	19-JUL-2010	16:15:31.581	16:28:05.353	753.77200
GS	79710	19-JUL-2010	15:36:12.640	15:50:00.829	828.18900
SG	79710	19-JUL-2010	16:40:25.429	16:50:18.069	592.64000
CM	79710	19-JUL-2010	15:45:26.865	15:56:41.137	674.27200
MM	79711	19-JUL-2010	17:54:41.504	18:07:14.066	752.56200
GS	79711	19-JUL-2010	17:16:03.276	17:28:09.123	725.84700
CM	79711	19-JUL-2010	17:25:06.592	17:35:11.538	604.94600
JO	79712	19-JUL-2010	19:53:44.887	20:07:23.396	818.50900
MA	79713	19-JUL-2010	20:11:59.715	20:25:42.264	822.54900
JO	79713	19-JUL-2010	21:32:49.875	21:46:48.569	838.69400
HO	79714	19-JUL-2010	22:45:17.834	22:58:18.156	780.32200
MA	79714	19-JUL-2010	21:52:54.123	22:04:22.032	687.90900

[BACK TO MENU]

1.5 - List of corrupted products

Station	Orbit	Time

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

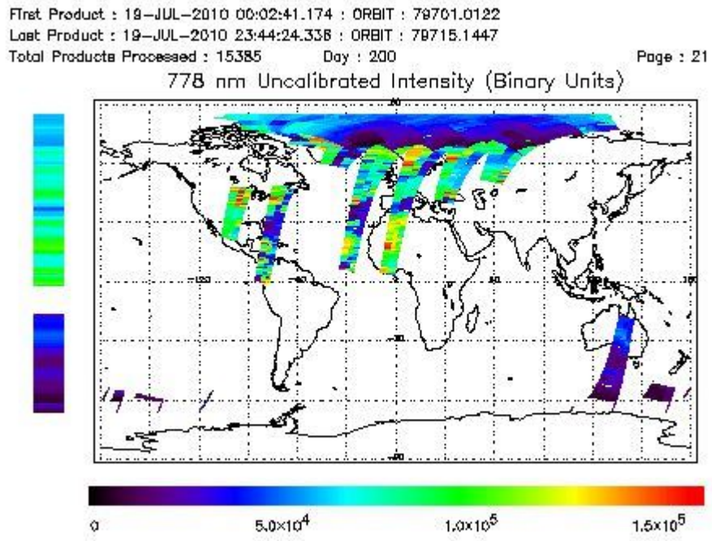
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

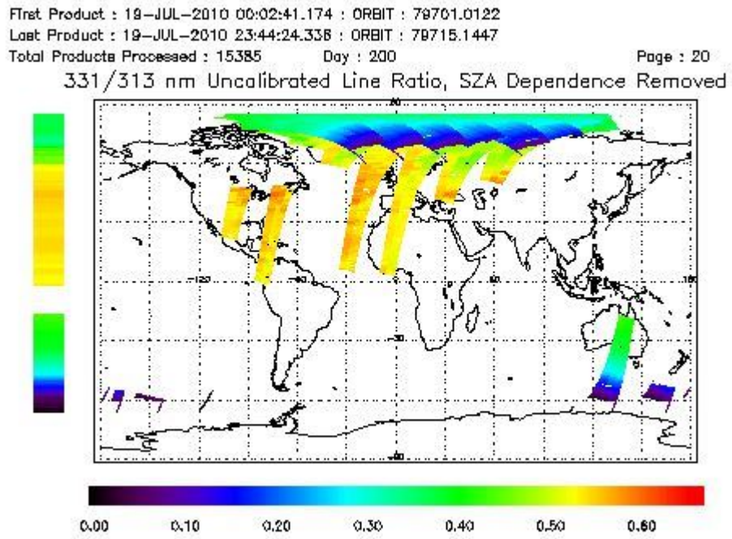
2.2 - Daily Plots

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

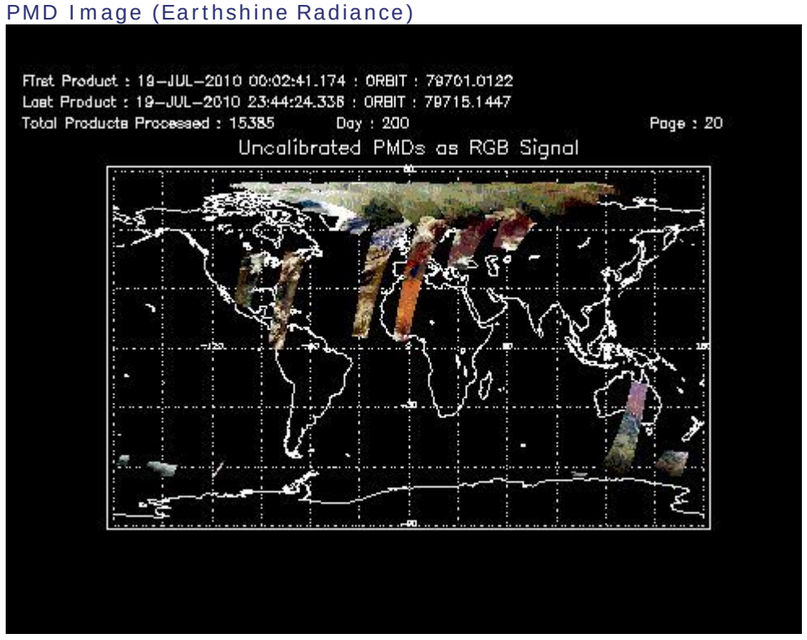
NEAR IR Intensity



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	17:04:05.402	--	79711	Yes	--	14680

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