GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	17-JUL-2010
Start Time of First Product	02:47:20
Stop Time of Last Product	23:17:49
Number of EGOI Products analysed	27
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100717KSEP0619.E2	17-JUL-2010	06:32:44.016
EGOI_100717KSEP0632.E2	17-JUL-2010	08:12:38.631
EGOI_100717KSEP0648.E2	17-JUL-2010	09:52:18.233
EGOI_100717KSEP0668.E2	17-JUL-2010	11:31:54.839
EGOI_100717KSEP0697.E2	17-JUL-2010	13:10:58.442
EGOI_100717KSEP0708.E2	17-JUL-2010	14:49:44.045
EGOI_100717KSEP0735.E2	17-JUL-2010	16:27:23.639
EGOI_100717KSEP0765.E2	17-JUL-2010	18:05:25.737
EGOI_100717KSEP0796.E2	17-JUL-2010	19:43:36.832

EGOI_100717KSEP0818.E2	17-JUL-2010	21:24:05.943
EGOI_100717KSEP0842.E2	17-JUL-2010	23:06:51.564
EGOI_100717MAEP4630.E2	17-JUL-2010	08:20:59.677
EGOI_100717MAEP4646.E2	17-JUL-2010	09:59:45.279
EGOI_100717MAEP4662.E2	17-JUL-2010	21:16:32.898
EGOI_100717MIEP6470.E2	17-JUL-2010	02:47:20.157
EGOI_100717MIEP6495.E2	17-JUL-2010	04:26:59.755
EGOI_100717MIEP6521.E2	17-JUL-2010	15:07:32.150
EGOI_100717MIEP6550.E2	17-JUL-2010	16:46:29.753
EGOI_100717MMEP1472.E2	17-JUL-2010	10:40:09.526
EGOI_100717MMEP1480.E2	17-JUL-2010	12:20:20.636
EGOI_100717MMEP1489.E2	17-JUL-2010	17:19:32.960
EGOI_100717MMEP1496.E2	17-JUL-2010	18:58:33.555
EGOI_100717MSEP2655.E2	17-JUL-2010	10:07:40.827
EGOI_100717MSEP2684.E2	17-JUL-2010	11:44:53.419
EGOI_100717MSEP2707.E2	17-JUL-2010	13:26:19.541
EGOI_100717MSEP2721.E2	17-JUL-2010	21:19:07.416
EGOI_100717MSEP2753.E2	17-JUL-2010	22:53:42.486

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	79676	17-JUL-2010	06:31:41.553	06:32:44.016	62.463000
KS	79677	17-JUL-2010	08:10:55.270	08:12:38.630	103.36000
KS	79678	17-JUL-2010	09:50:32.505	09:52:18.233	105.72800
KS	79679	17-JUL-2010	11:30:04.684	11:31:54.839	110.15500
KS	79680	17-JUL-2010	13:09:14.133	13:10:58.441	104.30800
KS	79681	17-JUL-2010	14:47:54.578	14:49:44.045	109.46700
KS	79682	17-JUL-2010	16:25:34.474	16:27:23.639	109.16500
KS	79683	17-JUL-2010	18:03:21.504	18:05:25.736	124.23200
KS	79684	17-JUL-2010	19:42:13.409	19:43:36.832	83.423000
KS	79685	17-JUL-2010	21:22:49.748	21:24:05.943	76.195000
MS	79678	17-JUL-2010	10:06:04.973	10:07:40.827	95.854000
MS	79679	17-JUL-2010	11:43:00.115	11:44:53.418	113.30300
MS	79680	17-JUL-2010	13:24:37.357	13:26:19.541	102.18400
MS	79686	17-JUL-2010	22:52:17.542	22:53:42.486	84.944000
MA	79678	17-JUL-2010	09:58:34.950	09:59:45.278	70.328000
MA	79685	17-JUL-2010	21:14:32.647	21:16:32.898	120.25100
MI	79674	17-JUL-2010	02:45:41.314	02:47:20.156	98.842000
MI	79675	17-JUL-2010	04:25:23.750	04:26:59.755	96.005000

MI	79681	17-JUL-2010	15:05:55.412	15:07:32.149	96.737000
MI	79682	17-JUL-2010	16:44:54.306	16:46:29.753	95.447000
MM	79682	17-JUL-2010	17:17:52.394	17:19:32.960	100.56600
MM	79683	17-JUL-2010	18:57:00.609	18:58:33.554	92.945000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	79672	17-JUL-2010	00:17:43.768	00:32:21.928	878.16000
MM	79672	17-JUL-2010	00:29:18.005	00:40:20.541	662.53600
HO	79673	17-JUL-2010	02:01:23.662	02:09:30.572	486.91000
MM	79673	17-JUL-2010	02:11:39.298	02:20:39.064	539.76600
GS	79673	17-JUL-2010	01:12:49.776	01:23:34.870	645.09400
BE	79674	17-JUL-2010	03:15:55.648	03:29:16.028	800.38000
MM	79674	17-JUL-2010	03:54:42.807	04:01:23.729	400.92200
GS	79674	17-JUL-2010	02:49:53.102	03:03:49.027	835.92500
SG	79674	17-JUL-2010	03:26:54.320	03:40:47.490	833.17000
CM	79674	17-JUL-2010	02:47:04.416	02:54:14.445	430.02900
CM	79674	17-JUL-2010	04:23:24.816	04:35:36.946	732.13000
BE	79675	17-JUL-2010	04:57:01.579	05:04:59.169	477.59000
MM	79675	17-JUL-2010	05:37:21.541	05:43:10.769	349.22800
GS	79675	17-JUL-2010	04:31:44.540	04:42:07.003	622.46300
MM	79676	17-JUL-2010	07:18:41.022	07:26:08.468	447.44600
JO	79676	17-JUL-2010	06:58:14.380	07:10:06.653	712.27300
MM	79677	17-JUL-2010	08:59:13.571	09:09:01.774	588.20300
JO	79677	17-JUL-2010	08:35:37.773	08:50:27.895	890.12200
HO	79679	17-JUL-2010	12:28:22.885	12:42:52.450	869.56500
MA	79679	17-JUL-2010	11:40:00.578	11:46:53.141	412.56300
HO	79680	17-JUL-2010	14:07:57.007	14:21:12.622	795.61500
MM	79680	17-JUL-2010	13:59:09.945	14:11:53.869	763.92400
SG	79680	17-JUL-2010	14:23:59.302	14:34:58.459	659.15700
BE	79681	17-JUL-2010	14:32:41.449	14:45:52.164	790.71500
MM	79681	17-JUL-2010	15:38:38.725	15:51:15.624	756.89900
GS	79681	17-JUL-2010	14:59:34.224	15:12:23.781	769.55700
SG	79681	17-JUL-2010	16:02:02.615	16:15:05.607	782.99200
CM	79681	17-JUL-2010	15:10:31.855	15:17:36.437	424.58200

GS	79682	17-JUL-2010	16:38:47.542	16:52:12.674	805.13200
CM	79682	17-JUL-2010	16:47:23.224	16:59:31.460	728.23600
GS	79683	17-JUL-2010	18:19:53.673	18:27:14.800	441.12700
JO	79683	17-JUL-2010	19:18:19.647	19:28:33.285	613.63800
MM	79684	17-JUL-2010	20:36:23.247	20:49:07.250	764.00300
MA	79684	17-JUL-2010	19:36:04.546	19:48:01.387	716.84100
JO	79684	17-JUL-2010	20:55:35.772	21:10:34.491	898.71900
HO	79685	17-JUL-2010	22:09:58.011	22:20:56.319	658.30800
MM	79685	17-JUL-2010	22:16:23.817	22:28:52.657	748.84000
JO	79685	17-JUL-2010	22:37:32.163	22:45:33.097	480.93400
HO	79686	17-JUL-2010	23:46:41.147	00:01:06.908	865.76100
MM	79686	17-JUL-2010	23:57:20.932	00:08:52.222	691.29000

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1.5 - List of corrupted products

Station	Orbit	Time

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

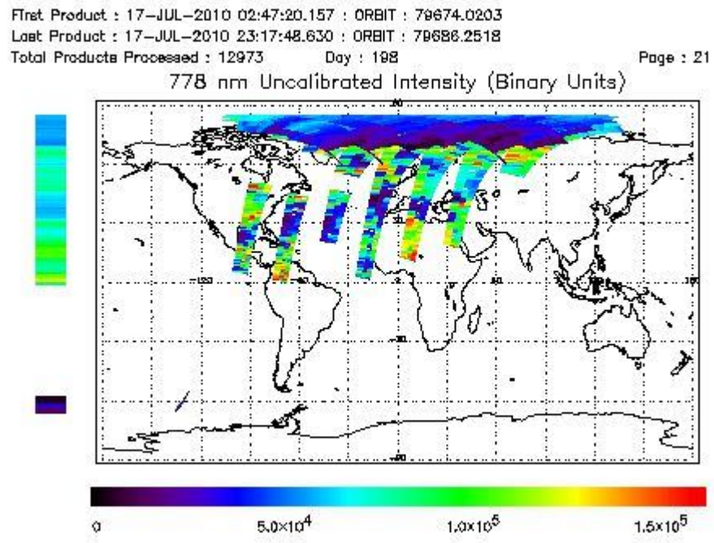
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

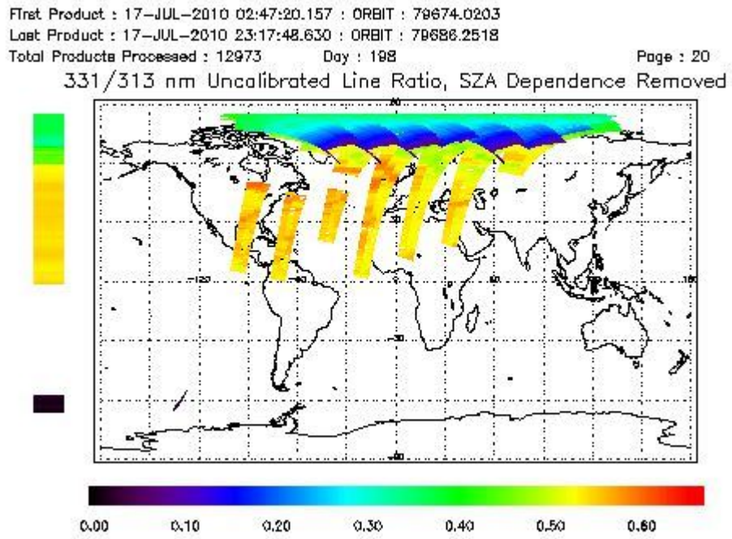
2.2 - Daily Plots

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

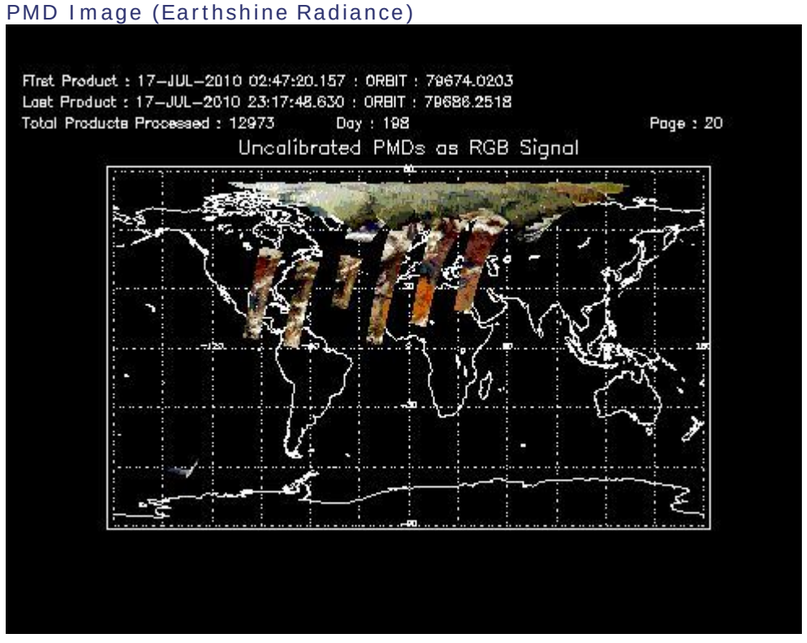
NEAR IR Intensity



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	18:07:18.244	--	79683	Yes	--	14610

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