GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	05-JUL-2010
Start Time of First Product	00:06:40
Stop Time of Last Product	22:54:59
Number of EGOI Products analysed	34
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath continued from previous day, stop orbit 79512; no solar calibration available due to the execution of an ERS-2 orbit manoeuvre

1.2 - List of received products

Name	Date	Time
EGOI_100705HLEP5748.E2	05-JUL-2010	21:50:28.415
EGOI_100705KSEP8609.E2	05-JUL-2010	06:10:00.190
EGOI_100705KSEP8635.E2	05-JUL-2010	07:49:53.305
EGOI_100705KSEP8654.E2	05-JUL-2010	09:29:29.909
EGOI_100705KSEP8684.E2	05-JUL-2010	11:09:08.015
EGOI_100705KSEP8713.E2	05-JUL-2010	12:48:22.118
EGOI_100705KSEP8723.E2	05-JUL-2010	14:27:15.220
EGOI_100705KSEP8749.E2	05-JUL-2010	16:04:59.315
EGOI_100705KSEP8771.E2	05-JUL-2010	17:42:59.914

EGOI_100705KSEP8802.E2	05-JUL-2010	19:20:48.508
EGOI_100705KSEP8823.E2	05-JUL-2010	21:00:49.118
EGOI_100705KSEP8848.E2	05-JUL-2010	22:43:18.244
EGOI_100705MAEP4128.E2	05-JUL-2010	09:37:08.952
EGOI_100705MAEP4145.E2	05-JUL-2010	20:53:22.071
EGOI_100705MIEP5449.E2	05-JUL-2010	02:25:30.327
EGOI_100705MIEP5461.E2	05-JUL-2010	04:04:17.428
EGOI_100705MIEP5480.E2	05-JUL-2010	14:45:36.334
EGOI_100705MIEP5496.E2	05-JUL-2010	16:23:21.929
EGOI_100705MMEP0769.E2	05-JUL-2010	00:06:39.978
EGOI_100705MMEP0773.E2	05-JUL-2010	01:48:37.600
EGOI_100705MMEP0782.E2	05-JUL-2010	08:36:41.585
EGOI_100705MMEP0789.E2	05-JUL-2010	10:17:10.702
EGOI_100705MMEP0798.E2	05-JUL-2010	11:57:44.312
EGOI_100705MMEP0806.E2	05-JUL-2010	13:37:01.416
EGOI_100705MMEP0813.E2	05-JUL-2010	15:16:36.521
EGOI_100705MMEP0820.E2	05-JUL-2010	16:56:16.129
EGOI_100705MSEP1253.E2	05-JUL-2010	00:44:16.210
EGOI_100705MSEP1272.E2	05-JUL-2010	11:22:09.594
EGOI_100705MSEP1297.E2	05-JUL-2010	13:02:29.705
EGOI_100705MSEP1329.E2	05-JUL-2010	22:31:25.666
EGOI_100705SGEP6818.E2	05-JUL-2010	03:06:20.077
EGOI_100705SGEP6825.E2	05-JUL-2010	04:46:47.686
EGOI_100705SGEP6832.E2	05-JUL-2010	14:04:16.584
EGOI_100705SGEP6839.E2	05-JUL-2010	15:40:51.674

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	79505	05-JUL-2010	07:48:10.486	07:49:53.304	102.81800
KS	79506	05-JUL-2010	09:27:46.091	09:29:29.908	103.81700
KS	79507	05-JUL-2010	11:07:20.945	11:09:08.015	107.07000
KS	79508	05-JUL-2010	12:46:37.288	12:48:22.118	104.83000
KS	79509	05-JUL-2010	14:25:25.330	14:27:15.220	109.89000
KS	79510	05-JUL-2010	16:03:10.634	16:04:59.314	108.68000
KS	79511	05-JUL-2010	17:41:05.864	17:42:59.913	114.04900
KS	79512	05-JUL-2010	19:19:29.651	19:20:48.508	78.857000
KS	79513	05-JUL-2010	20:59:38.902	21:00:49.118	70.216000
KS	79514	05-JUL-2010	22:42:02.862	22:43:18.243	75.381000
MS	79507	05-JUL-2010	11:20:20.141	11:22:09.594	109.45300
MS	79508	05-JUL-2010	13:00:48.428	13:02:29.704	101.27600

MS	79514	05-JUL-2010	22:29:59.131	22:31:25.665	86.534000
MA	79506	05-JUL-2010	09:35:51.190	09:37:08.951	77.761000
MA	79513	05-JUL-2010	20:51:24.562	20:53:22.070	117.50800
MI	79502	05-JUL-2010	02:23:53.902	02:25:30.327	96.425000
MI	79503	05-JUL-2010	04:01:58.830	04:04:17.427	138.59700
MI	79503	05-JUL-2010	04:12:17.477	04:14:45.091	147.61400
MI	79509	05-JUL-2010	14:44:10.848	14:45:36.333	85.485000
MI	79510	05-JUL-2010	16:21:53.210	16:23:21.929	88.719000
MM	79507	05-JUL-2010	11:56:35.130	11:57:44.312	69.182000
MM	79510	05-JUL-2010	16:55:12.556	16:56:16.129	63.573000
SG	79502	05-JUL-2010	03:04:24.981	03:06:20.077	115.09600
SG	79503	05-JUL-2010	04:45:33.365	04:46:47.686	74.321000
SG	79508	05-JUL-2010	14:03:05.243	14:04:16.584	71.341000
SG	79509	05-JUL-2010	15:39:01.306	15:40:51.673	110.36700

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	79500	04-JUL-2010	23:55:08.669	00:09:38.961	870.29200
HO	79501	05-JUL-2010	01:36:27.765	01:47:54.312	686.54700
GS	79501	05-JUL-2010	00:51:22.215	01:00:21.854	539.63900
BE	79502	05-JUL-2010	02:53:12.077	03:06:35.700	803.62300
MM	79502	05-JUL-2010	03:31:08.407	03:38:18.376	429.96900
GS	79502	05-JUL-2010	02:28:06.784	02:41:02.668	775.88400
CM	79502	05-JUL-2010	04:00:37.638	04:13:02.218	744.58000
BE	79503	05-JUL-2010	04:33:34.076	04:43:43.943	609.86700
MM	79503	05-JUL-2010	05:14:00.532	05:19:47.138	346.60600
GS	79503	05-JUL-2010	04:07:54.216	04:19:56.585	722.36900
MM	79504	05-JUL-2010	06:55:37.189	07:02:33.886	416.69700
JO	79504	05-JUL-2010	06:37:08.203	06:46:24.583	556.38000
MA	79505	05-JUL-2010	07:59:07.282	08:07:05.947	478.66500
JO	79505	05-JUL-2010	08:12:49.802	08:27:51.290	901.48800
JO	79506	05-JUL-2010	09:55:33.882	10:04:34.025	540.14300
MA	79507	05-JUL-2010	11:16:39.221	11:25:26.187	526.96600
SG	79508	05-JUL-2010	14:03:05.243	14:10:40.585	455.34200
BE	79509	05-JUL-2010	14:09:49.230	14:23:14.127	804.89700

GS	79509	05-JUL-2010	14:37:13.497	14:48:09.176	655.67900
BE	79510	05-JUL-2010	15:52:36.330	16:00:37.298	480.96800
GS	79510	05-JUL-2010	16:15:57.959	16:29:47.523	829.56400
CM	79510	05-JUL-2010	16:24:35.740	16:37:00.948	745.20800
MM	79511	05-JUL-2010	18:34:20.603	18:46:55.951	755.34800
GS	79511	05-JUL-2010	17:56:30.024	18:06:04.745	574.72100
CM	79511	05-JUL-2010	18:08:27.019	18:10:30.029	123.01000
MM	79512	05-JUL-2010	20:13:37.832	20:26:21.374	763.54200
MA	79512	05-JUL-2010	19:16:24.881	19:24:43.808	498.92700
JO	79512	05-JUL-2010	20:32:55.330	20:47:52.655	897.32500
HO	79513	05-JUL-2010	21:48:52.716	21:57:36.763	524.04700
MM	79513	05-JUL-2010	21:53:27.820	22:06:03.243	755.42300
HO	79514	05-JUL-2010	23:24:07.231	23:38:20.655	853.42400
MM	79514	05-JUL-2010	23:34:10.811	23:45:59.731	708.92000
MA	79514	05-JUL-2010	22:35:59.231	22:42:28.655	389.42400

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1.5 - List of corrupted products

Station	Orbit	Time

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

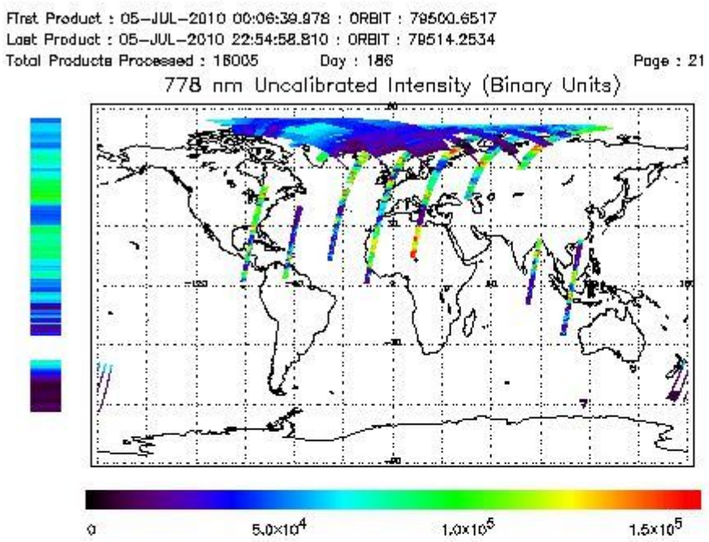
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

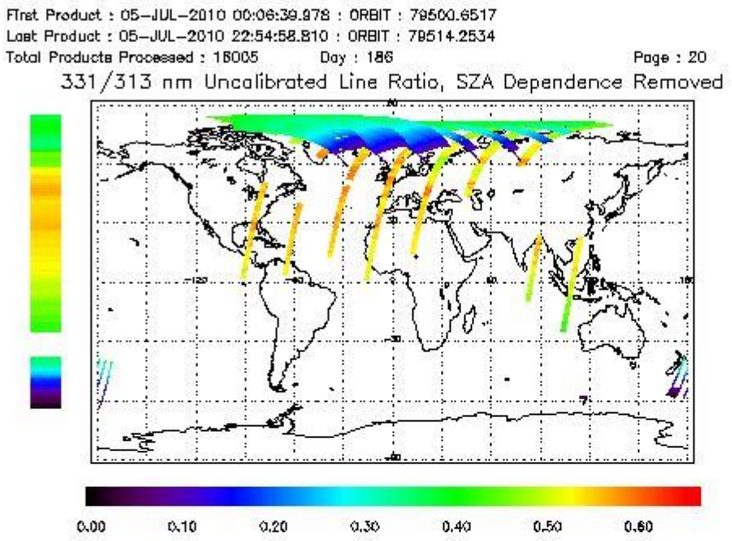
2.2 - Daily Plots

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

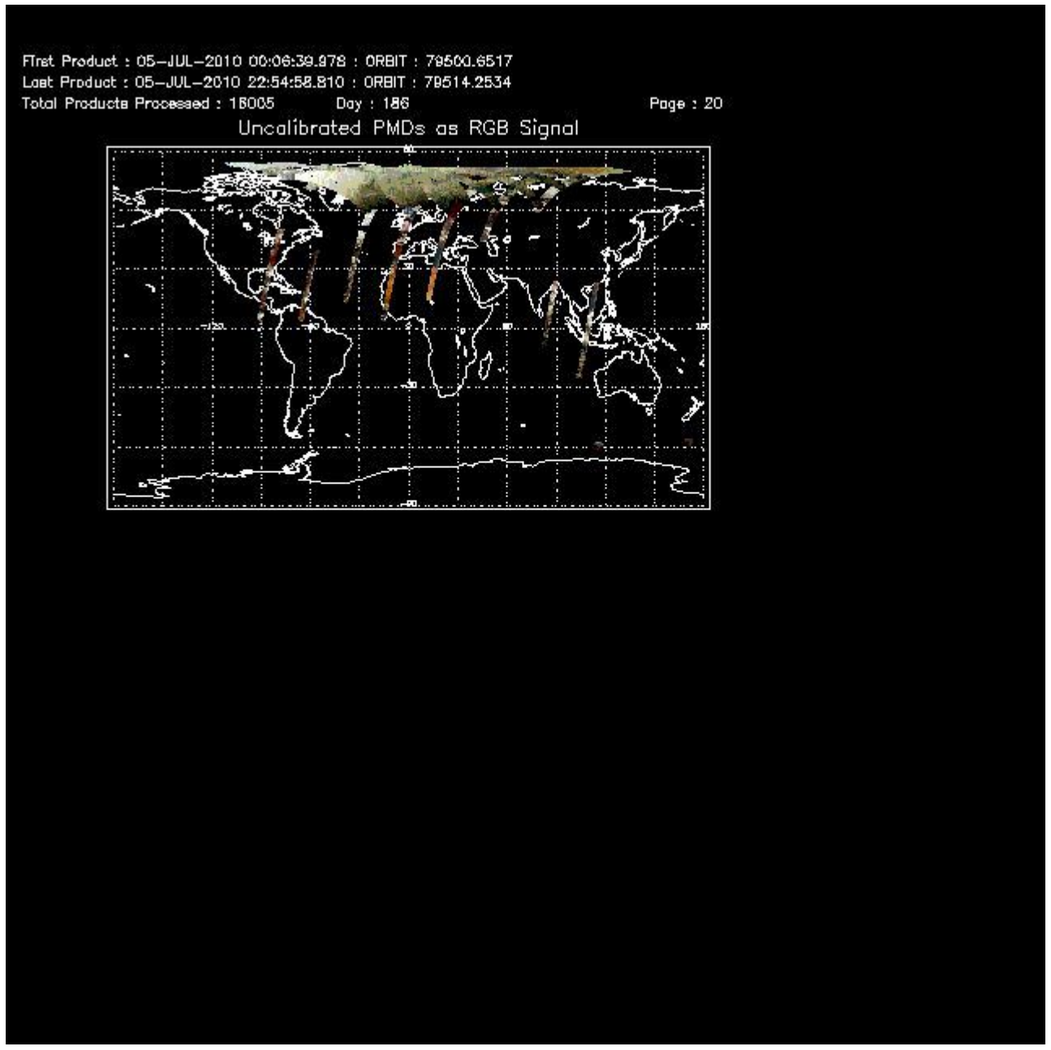
NEAR IR Intensity



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)
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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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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	18:30	79498	79512

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