GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	28-JUL-2010
Start Time of First Product	23:44:03 (27-Jul)
Stop Time of Last Product	23:25:10
Number of EGOI Products analysed	32
Number of corrupted products	--
Anomalies and/or Special Operations	GOME quarterly calibration executed during orbits 79842-79843,20:00-24:00; Nadir Static View, orbits 79839-79840

1.2 - List of received products

Name	Date	Time
EGOI_100728GSEP1600.E2	28-JUL-2010	02:06:08.574
EGOI_100728GSEP1626.E2	28-JUL-2010	03:45:48.183
EGOI_100728GSEP1635.E2	28-JUL-2010	05:28:32.308
EGOI_100728HLEP6364.E2	28-JUL-2010	23:03:41.759
EGOI_100728KSEP3476.E2	28-JUL-2010	07:26:48.023
EGOI_100728KSEP3493.E2	28-JUL-2010	09:08:11.140
EGOI_100728KSEP3513.E2	28-JUL-2010	10:46:28.242
EGOI_100728KSEP3537.E2	28-JUL-2010	12:25:49.865
EGOI_100728KSEP3565.E2	28-JUL-2010	14:04:47.468

EGOI_100728KSEP3591.E2	28-JUL-2010	15:42:46.566
EGOI_100728KSEP3620.E2	28-JUL-2010	17:20:36.661
EGOI_100728KSEP3652.E2	28-JUL-2010	18:58:29.764
EGOI_100728KSEP3682.E2	28-JUL-2010	20:37:54.371
EGOI_100728KSEP3710.E2	28-JUL-2010	22:19:50.490
EGOI_100728MAEP4988.E2	28-JUL-2010	09:14:09.679
EGOI_100728MAEP4997.E2	28-JUL-2010	10:54:01.289
EGOI_100728MIEP7417.E2	28-JUL-2010	02:04:17.562
EGOI_100728MIEP7439.E2	28-JUL-2010	03:41:03.152
EGOI_100728MIEP7458.E2	28-JUL-2010	14:24:58.089
EGOI_100728MIEP7475.E2	28-JUL-2010	16:00:48.176
EGOI_100728MIEP7496.E2	28-JUL-2010	17:42:38.298
EGOI_100728MMEP2107.E2	27-JUL-2010	23:44:03.211
EGOI_100728MMEP2115.E2	28-JUL-2010	01:25:27.824
EGOI_100728MMEP2122.E2	28-JUL-2010	03:07:59.949
EGOI_100728MMEP2130.E2	28-JUL-2010	06:32:43.195
EGOI_100728MMEP2139.E2	28-JUL-2010	11:34:45.039
EGOI_100728MMEP2145.E2	28-JUL-2010	13:14:29.158
EGOI_100728MMEP2161.E2	28-JUL-2010	23:12:04.310
EGOI_100728MSEP3924.E2	28-JUL-2010	00:20:30.433
EGOI_100728MSEP3953.E2	28-JUL-2010	12:39:19.944
EGOI_100728MSEP3975.E2	28-JUL-2010	10:59:46.333
EGOI_100728MSEP4004.E2	28-JUL-2010	22:09:29.427

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	79834	28-JUL-2010	07:25:27.157	07:26:48.022	80.865000
KS	79835	28-JUL-2010	09:04:59.600	09:08:11.140	191.54000
KS	79836	28-JUL-2010	10:44:36.258	10:46:28.242	111.98400
KS	79837	28-JUL-2010	12:23:58.451	12:25:49.865	111.41400
KS	79838	28-JUL-2010	14:02:51.922	14:04:47.468	115.54600
KS	79839	28-JUL-2010	15:40:50.684	15:42:46.565	115.88100
KS	79840	28-JUL-2010	17:18:41.012	17:20:36.660	115.64800
KS	79841	28-JUL-2010	18:56:50.916	18:58:29.764	98.848000
KS	79842	28-JUL-2010	20:36:35.001	20:37:54.371	79.370000
KS	79843	28-JUL-2010	22:18:24.064	22:19:50.490	86.426000
GS	79831	28-JUL-2010	02:04:57.405	02:06:08.573	71.168000
GS	79832	28-JUL-2010	03:44:27.246	03:45:48.183	80.937000
MS	79830	28-JUL-2010	00:18:57.896	00:20:30.432	92.536000
MS	79837	28-JUL-2010	12:37:22.160	12:39:19.943	117.78300

MS	79836	28-JUL-2010	10:57:45.880	10:59:46.332	120.45200
MS	79843	28-JUL-2010	22:08:02.040	22:09:29.427	87.387000
MS	79844	28-JUL-2010	23:46:33.576	23:48:10.529	96.953000
MA	79836	28-JUL-2010	10:52:48.330	10:54:01.288	72.958000
MI	79831	28-JUL-2010	02:02:41.704	02:04:17.561	95.857000
MI	79832	28-JUL-2010	03:38:58.145	03:41:03.152	125.00700
MI	79838	28-JUL-2010	14:23:33.684	14:24:58.089	84.405000
MI	79839	28-JUL-2010	15:59:05.585	16:00:48.175	102.59000
MI	79840	28-JUL-2010	17:41:07.338	17:42:38.297	90.959000
MM	79836	28-JUL-2010	11:33:44.410	11:34:45.039	60.629000
MM	79843	28-JUL-2010	23:11:04.105	23:12:04.310	60.205000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	79830	28-JUL-2010	01:12:47.824	01:25:45.765	777.94100
BE	79831	28-JUL-2010	02:30:36.245	02:43:38.969	782.72400
SG	79831	28-JUL-2010	02:42:17.750	02:54:46.452	748.70200
CM	79831	28-JUL-2010	03:38:13.233	03:50:10.139	716.90600
BE	79832	28-JUL-2010	04:10:23.042	04:22:02.093	699.05100
MM	79832	28-JUL-2010	04:50:34.910	04:56:28.250	353.34000
SG	79832	28-JUL-2010	04:21:40.695	04:33:35.559	714.86400
CM	79833	28-JUL-2010	05:19:28.211	05:27:36.149	487.93800
MM	79834	28-JUL-2010	08:13:19.237	08:22:04.631	525.39400
JO	79834	28-JUL-2010	07:50:19.781	08:05:03.670	883.88900
MM	79835	28-JUL-2010	09:53:39.357	10:04:31.592	652.23500
JO	79835	28-JUL-2010	09:31:11.500	09:43:10.588	719.08800
HO	79838	28-JUL-2010	15:03:00.415	15:11:56.323	535.90800
MM	79838	28-JUL-2010	14:53:12.214	15:05:53.334	761.12000
GS	79838	28-JUL-2010	14:15:08.986	14:24:51.347	582.36100
SG	79838	28-JUL-2010	15:16:20.329	15:30:09.960	829.63100
BE	79839	28-JUL-2010	15:28:18.719	15:38:54.297	635.57800
MM	79839	28-JUL-2010	16:32:32.230	16:45:04.938	752.70800
GS	79839	28-JUL-2010	15:53:13.016	16:07:08.896	835.88000
SG	79839	28-JUL-2010	16:58:57.585	17:05:41.352	403.76700
CM	79839	28-JUL-2010	16:02:05.823	16:14:07.639	721.81600

MM	79840	28-JUL-2010	18:11:41.039	18:24:14.620	753.58100
GS	79840	28-JUL-2010	17:33:20.233	17:44:31.055	670.82200
CM	79840	28-JUL-2010	17:42:57.963	17:51:05.911	487.94800
MM	79841	28-JUL-2010	19:50:54.145	20:03:36.379	762.23400
MA	79841	28-JUL-2010	18:55:53.080	19:00:17.538	264.45800
JO	79841	28-JUL-2010	20:10:26.761	20:24:52.331	865.57000
MM	79842	28-JUL-2010	21:30:34.626	21:43:14.583	759.95700
MA	79842	28-JUL-2010	20:28:47.809	20:42:32.303	824.49400
JO	79842	28-JUL-2010	21:50:11.972	22:03:13.771	781.79900
HO	79843	28-JUL-2010	23:01:58.890	23:15:29.546	810.65600
MA	79843	28-JUL-2010	22:11:22.163	22:20:55.032	572.86900

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1.5 - List of corrupted products

Station	Orbit	Time

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

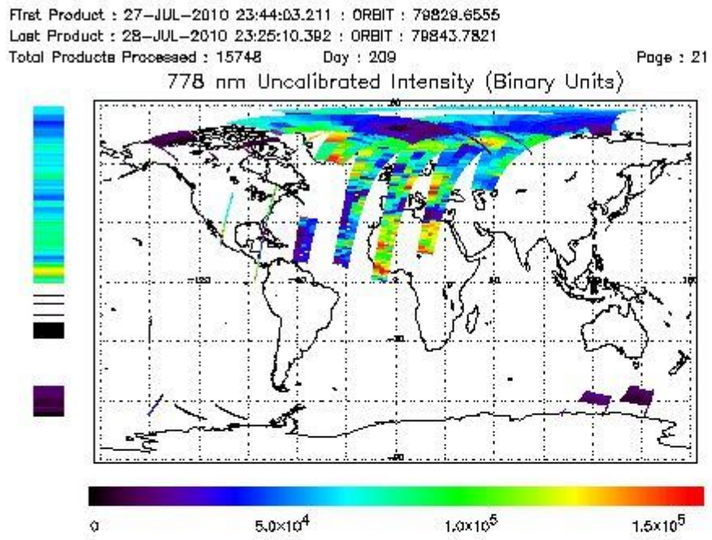
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

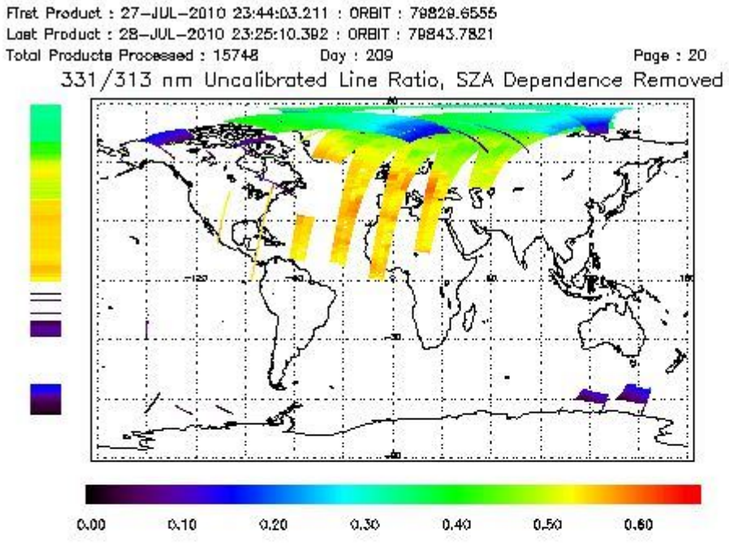
2.2 - Daily Plots

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

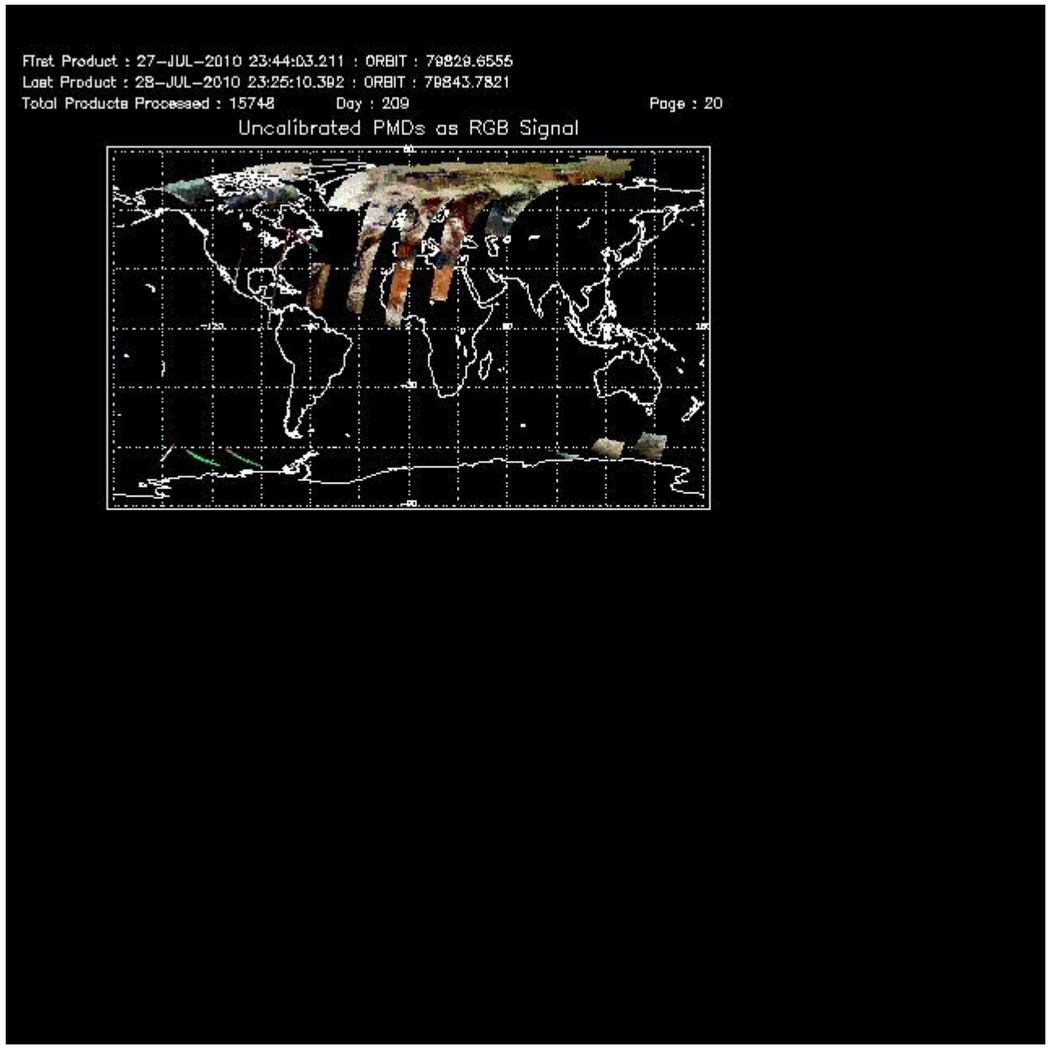
NEAR IR Intensity



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	19:02:37.287	--	39841	Yes	--	14641

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)
Q	20:45:30	20:52:45	79842	No End	--	196.5	--
Q	22:09:29	22:13:49	79843	No Start	--	181.0	--
Q	23:09:04	23:16:60	79843	No End	--	197.0	--
Q	23:12:04	23:19:01	79843	No Start	--	--	--

(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