GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	02-AUG-2010
Start Time of First Product	01:11:31
Stop Time of Last Product	23:15:06
Number of EGOI Products analysed	35
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100802GSEP1923.E2	02-AUG-2010	01:11:31.264
EGOI_100802GSEP1955.E2	02-AUG-2010	02:48:28.854
EGOI_100802GSEP1980.E2	02-AUG-2010	04:30:05.475
EGOI_100802GSEP1986.E2	02-AUG-2010	06:12:15.101
EGOI_100802HLEP6498.E2	02-AUG-2010	02:00:58.565
EGOI_100802HLEP6507.E2	02-AUG-2010	10:52:15.301
EGOI_100802HLEP6512.E2	02-AUG-2010	12:27:23.388
EGOI_100802HLEP6522.E2	02-AUG-2010	14:07:05.994
EGOI_100802KSEP4707.E2	02-AUG-2010	06:30:00.202

EGOI_100802KSEP4726.E2	02-AUG-2010	08:09:59.316
EGOI_100802KSEP4747.E2	02-AUG-2010	09:49:34.421
EGOI_100802KSEP4768.E2	02-AUG-2010	11:29:12.532
EGOI_100802KSEP4797.E2	02-AUG-2010	13:08:17.630
EGOI_100802KSEP4808.E2	02-AUG-2010	14:47:04.733
EGOI_100802KSEP4834.E2	02-AUG-2010	16:24:44.332
EGOI_100802KSEP4864.E2	02-AUG-2010	18:02:47.927
EGOI_100802KSEP4896.E2	02-AUG-2010	19:40:50.026
EGOI_100802KSEP4918.E2	02-AUG-2010	21:21:19.137
EGOI_100802KSEP4942.E2	02-AUG-2010	23:04:04.766
EGOI_100802MAEP5177.E2	02-AUG-2010	08:18:14.362
EGOI_100802MAEP5189.E2	02-AUG-2010	09:57:07.464
EGOI_100802MAEP5205.E2	02-AUG-2010	21:13:44.592
EGOI_100802MIEP7859.E2	02-AUG-2010	02:44:43.834
EGOI_100802MIEP7880.E2	02-AUG-2010	04:24:08.440
EGOI_100802MIEP7901.E2	02-AUG-2010	15:04:55.842
EGOI_100802MIEP7922.E2	02-AUG-2010	16:43:47.445
EGOI_100802MMEP2352.E2	02-AUG-2010	02:09:22.616
EGOI_100802MMEP2362.E2	02-AUG-2010	10:37:30.211
EGOI_100802MMEP2370.E2	02-AUG-2010	12:17:32.325
EGOI_100802MMEP2382.E2	02-AUG-2010	20:34:53.359
EGOI_100802MSEP4507.E2	02-AUG-2010	10:05:07.516
EGOI_100802MSEP4532.E2	02-AUG-2010	11:42:11.107
EGOI_100802MSEP4554.E2	02-AUG-2010	13:23:28.229
EGOI_100802MSEP4568.E2	02-AUG-2010	21:16:46.113
EGOI_100802MSEP4600.E2	02-AUG-2010	22:50:51.184

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	79905	02-AUG-2010	06:28:52.676	06:30:00.202	67.526000
KS	79906	02-AUG-2010	08:08:04.613	08:09:59.315	114.70200
KS	79907	02-AUG-2010	09:47:41.715	09:49:34.421	112.70600
KS	79908	02-AUG-2010	11:27:14.276	11:29:12.532	118.25600
KS	79909	02-AUG-2010	13:06:24.644	13:08:17.629	112.98500
KS	79910	02-AUG-2010	14:45:06.040	14:47:04.732	118.69200
KS	79911	02-AUG-2010	16:22:46.001	16:24:44.332	118.33100
KS	79912	02-AUG-2010	18:00:34.580	18:02:47.927	133.34700
KS	79913	02-AUG-2010	19:39:22.649	19:40:50.025	87.376000
KS	79914	02-AUG-2010	21:19:55.495	21:21:19.136	83.641000
KS	79915	02-AUG-2010	23:02:52.822	23:04:04.765	71.943000
GS	79902	02-AUG-2010	01:10:07.707	01:11:31.263	83.556000

GS	79903	02-AUG-2010	02:47:03.041	02:48:28.853	85.812000
GS	79904	02-AUG-2010	04:28:44.154	04:30:05.474	81.320000
MS	79908	02-AUG-2010	11:40:10.127	11:42:11.107	120.98000
MS	79909	02-AUG-2010	13:21:33.757	13:23:28.228	114.47100
MS	79915	02-AUG-2010	22:49:29.174	22:50:51.184	82.010000
MA	79907	02-AUG-2010	09:55:44.063	09:57:07.463	83.400000
MA	79914	02-AUG-2010	21:11:40.300	21:13:44.592	124.29200
MI	79903	02-AUG-2010	02:42:56.427	02:44:43.833	107.40600
MI	79904	02-AUG-2010	04:22:26.559	04:24:08.440	101.88100
MI	79910	02-AUG-2010	15:03:10.536	15:04:55.842	105.30600
MI	79911	02-AUG-2010	16:42:00.859	16:43:47.444	106.58500
MM	79913	02-AUG-2010	20:33:32.466	20:34:53.359	80.893000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	79901	02-AUG-2010	00:14:53.351	00:29:31.588	878.23700
MM	79901	02-AUG-2010	00:26:23.455	00:37:28.820	665.36500
HO	79902	02-AUG-2010	01:58:12.896	02:06:52.471	519.57500
BE	79903	02-AUG-2010	03:13:04.812	03:26:26.854	802.04200
MM	79903	02-AUG-2010	03:51:46.050	03:58:30.397	404.34700
SG	79903	02-AUG-2010	03:24:04.568	03:37:57.358	832.79000
CM	79903	02-AUG-2010	02:44:32.021	02:51:09.982	397.96100
CM	79903	02-AUG-2010	04:20:32.659	04:32:48.592	735.93300
BE	79904	02-AUG-2010	04:54:04.275	05:02:21.706	497.43100
MM	79904	02-AUG-2010	05:34:26.678	05:40:15.066	348.38800
MM	79905	02-AUG-2010	07:15:48.180	07:23:11.651	443.47100
JO	79905	02-AUG-2010	06:55:33.911	07:07:10.521	696.61000
MM	79906	02-AUG-2010	08:56:21.552	09:06:06.026	584.47400
JO	79906	02-AUG-2010	08:32:45.775	08:47:38.959	893.18400
MA	79908	02-AUG-2010	11:37:06.350	11:44:17.140	430.79000
MM	79909	02-AUG-2010	13:56:19.166	14:09:03.100	763.93400
SG	79909	02-AUG-2010	14:21:19.024	14:31:59.529	640.50500
BE	79910	02-AUG-2010	14:29:49.002	14:43:02.857	793.85500
MM	79910	02-AUG-2010	15:35:48.418	15:48:25.585	757.16700
GS	79910	02-AUG-2010	14:56:46.009	15:09:28.272	762.26300

SG	79910	02-AUG-2010	15:59:08.749	16:12:19.651	790.90200
CM	79910	02-AUG-2010	15:07:58.830	15:14:27.536	388.70600
MM	79911	02-AUG-2010	17:15:02.438	17:27:33.973	751.53500
GS	79911	02-AUG-2010	16:35:56.095	16:49:25.266	809.17100
CM	79911	02-AUG-2010	16:44:31.345	16:56:43.901	732.55600
MM	79912	02-AUG-2010	18:54:10.575	19:06:47.733	757.15800
GS	79912	02-AUG-2010	18:16:57.032	18:24:37.770	460.73800
JO	79912	02-AUG-2010	19:15:40.489	19:25:29.041	588.55200
MA	79913	02-AUG-2010	19:33:20.532	19:45:07.508	706.97600
JO	79913	02-AUG-2010	20:52:45.118	21:07:45.238	900.12000
HO	79914	02-AUG-2010	22:07:17.691	22:18:02.331	644.64000
MM	79914	02-AUG-2010	22:13:31.657	22:26:01.440	749.78300
JO	79914	02-AUG-2010	22:34:29.855	22:43:00.451	510.59600
HO	79915	02-AUG-2010	23:43:52.513	23:58:16.071	863.55800
MM	79915	02-AUG-2010	23:54:26.979	00:06:00.623	693.64400

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1.5 - List of corrupted products

Station	Orbit	Time

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

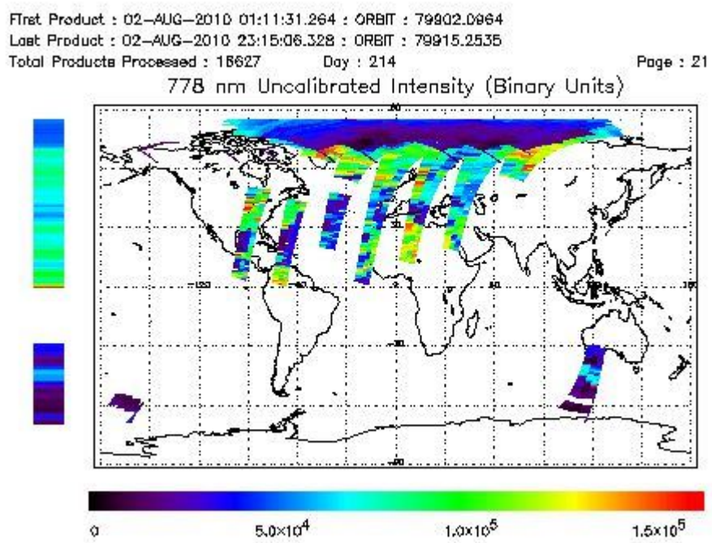
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

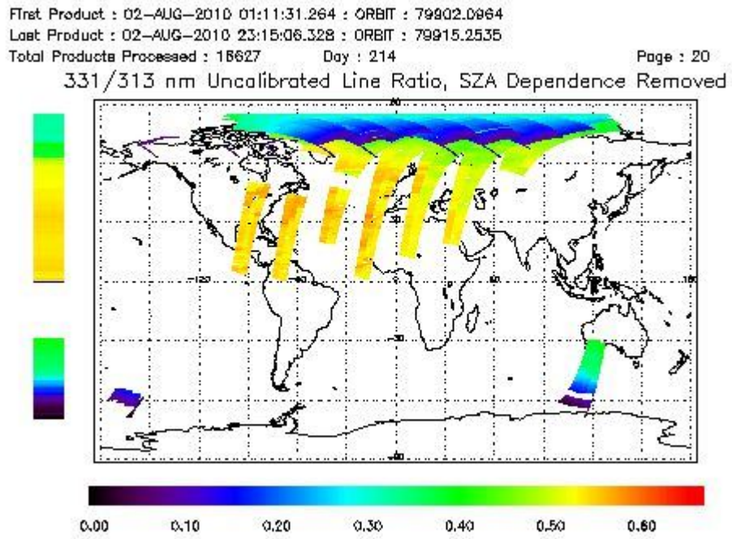
2.2 - Daily Plots

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

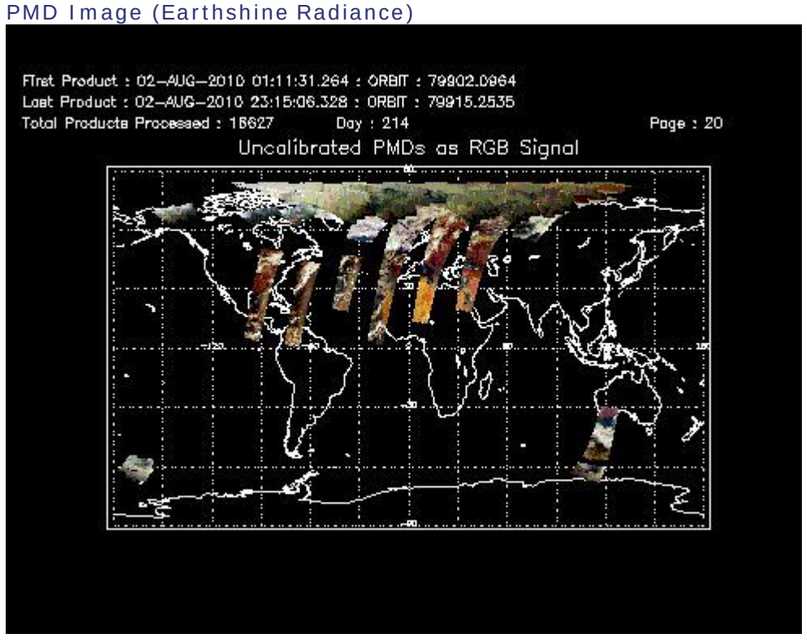
NEAR IR Intensity



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	19:46:09.560	--	79913	Yes	--	14702

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
--	--	--

5.3 - Power Cycle

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

5.4 - Wrong Command Execution

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

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