GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	30-OCT-2009
Start Time of First Product	00:01:49
Stop Time of Last Product	23:42:59
Number of EGOI Products analysed	44
Number of corrupted products	--
Anomalies and/or Special Operations	GOME quarterly calibration continued by mistake on days 29-30 OCT 2009

1.2 - List of received products

Name	Date	Time
OI_091030BEEP1049.E2;1	30-OCT-2009	02:50:06.827
EGOI_091030BEEP1055.E2	30-OCT-2009	04:30:37.446
EGOI_091030GSEP1871.E2	30-OCT-2009	02:23:44.162
EGOI_091030GSEP1896.E2	30-OCT-2009	04:04:13.289
EGOI_091030GSEP1903.E2	30-OCT-2009	05:46:33.417
EGOI_091030KSEP4117.E2	30-OCT-2009	07:44:34.145
EGOI_091030KSEP4143.E2	30-OCT-2009	09:24:36.261
EGOI_091030KSEP4170.E2	30-OCT-2009	11:04:12.879
EGOI_091030KSEP4200.E2	30-OCT-2009	12:43:29.989

EGOI_091030KSEP4213.E2	30-OCT-2009	14:22:24.596
EGOI_091030KSEP4242.E2	30-OCT-2009	16:00:10.204
EGOI_091030KSEP4274.E2	30-OCT-2009	17:38:06.308
EGOI_091030KSEP4310.E2	30-OCT-2009	19:15:56.408
EGOI_091030KSEP4345.E2	30-OCT-2009	20:56:04.523
EGOI_091030KSEP4375.E2	30-OCT-2009	22:38:03.654
EGOI_091030MAEP5455.E2	30-OCT-2009	09:32:21.308
EGOI_091030MAEP5464.E2	30-OCT-2009	11:11:54.922
EGOI_091030MIEP2911.E2	30-OCT-2009	02:20:59.147
EGOI_091030MIEP2924.E2	30-OCT-2009	03:59:17.758
EGOI_091030MIEP2944.E2	30-OCT-2009	14:41:06.714
EGOI_091030MIEP2971.E2	30-OCT-2009	16:18:35.814
EGOI_091030MIEP2985.E2	30-OCT-2009	18:02:46.953
EGOI_091030MMEP0468.E2	30-OCT-2009	00:01:49.279
EGOI_091030MMEP0476.E2	30-OCT-2009	01:43:40.912
EGOI_091030MMEP0483.E2	30-OCT-2009	03:26:19.050
EGOI_091030MMEP0493.E2	30-OCT-2009	06:50:48.815
EGOI_091030MMEP0501.E2	30-OCT-2009	08:31:50.939
EGOI_091030MMEP0509.E2	30-OCT-2009	10:12:21.558
EGOI_091030MMEP0517.E2	30-OCT-2009	11:52:46.176
EGOI_091030MMEP0525.E2	30-OCT-2009	13:32:15.291
EGOI_091030MMEP0531.E2	30-OCT-2009	15:11:51.902
EGOI_091030MMEP0538.E2	30-OCT-2009	16:51:19.514
EGOI_091030MMEP0546.E2	30-OCT-2009	18:31:11.130
EGOI_091030MMEP0553.E2	30-OCT-2009	20:10:01.241
EGOI_091030MMEP0563.E2	30-OCT-2009	21:50:25.860
EGOI_091030MMEP0571.E2	30-OCT-2009	23:30:18.976
EGOI_091030MSEP2352.E2	30-OCT-2009	00:39:06.011
EGOI_091030MSEP2366.E2	30-OCT-2009	11:17:18.957
EGOI_091030MSEP2390.E2	30-OCT-2009	12:57:30.075
EGOI_091030MSEP2423.E2	30-OCT-2009	22:26:36.584
EGOI_091030SGEP0833.E2	30-OCT-2009	03:01:17.393
EGOI_091030SGEP0840.E2	30-OCT-2009	04:41:25.512
EGOI_091030SGEP0848.E2	30-OCT-2009	13:59:36.455
EGOI_091030SGEP0857.E2	30-OCT-2009	15:35:53.552

[BACK TO MENU]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75955	30-OCT-2009	07:42:29.490	07:44:34.144	124.65400
KS	75956	30-OCT-2009	09:22:04.466	09:24:36.261	151.79500
KS	75957	30-OCT-2009	11:01:39.853	11:04:12.879	153.02600
KS	75958	30-OCT-2009	12:40:57.754	12:43:29.989	152.23500

KS	75959	30-OCT-2009	14:19:47.672	14:22:24.595	156.92300
KS	75960	30-OCT-2009	15:57:35.729	16:00:10.204	154.47500
KS	75961	30-OCT-2009	17:35:30.571	17:38:06.307	155.73600
KS	75962	30-OCT-2009	19:13:49.513	19:15:56.407	126.89400
KS	75963	30-OCT-2009	20:53:52.294	20:56:04.523	132.22900
KS	75964	30-OCT-2009	22:36:07.241	22:38:03.654	116.41300
GS	75953	30-OCT-2009	04:02:00.565	04:04:13.289	132.72400
MS	75951	30-OCT-2009	00:37:08.884	00:39:06.010	117.12600
MS	75957	30-OCT-2009	11:14:42.141	11:17:18.957	156.81600
MS	75958	30-OCT-2009	12:54:54.480	12:57:30.075	155.59500
MS	75964	30-OCT-2009	22:24:27.712	22:26:36.584	128.87200
MA	75956	30-OCT-2009	09:30:11.488	09:32:21.307	129.81900
MA	75957	30-OCT-2009	11:10:48.236	11:11:54.922	66.686000
MI	75952	30-OCT-2009	02:18:31.825	02:20:59.146	147.32100
MI	75953	30-OCT-2009	03:56:11.599	03:59:17.757	186.15800
MI	75953	30-OCT-2009	04:07:56.807	04:09:09.712	72.905000
MI	75959	30-OCT-2009	14:38:51.734	14:41:06.714	134.98000
MI	75960	30-OCT-2009	16:16:10.092	16:18:35.814	145.72200
MM	75950	30-OCT-2009	00:00:14.940	00:01:49.279	94.339000
MM	75951	30-OCT-2009	01:42:18.687	01:43:40.911	82.224000
MM	75952	30-OCT-2009	03:25:14.751	03:26:19.050	64.299000
MM	75955	30-OCT-2009	08:30:32.649	08:31:50.938	78.289000
MM	75956	30-OCT-2009	10:10:49.738	10:12:21.558	91.820000
MM	75957	30-OCT-2009	11:50:52.514	11:52:46.175	113.66100
MM	75958	30-OCT-2009	13:30:41.559	13:32:15.291	93.732000
MM	75959	30-OCT-2009	15:10:15.060	15:11:51.902	96.842000
MM	75960	30-OCT-2009	16:49:32.525	16:51:19.514	106.98900
MM	75961	30-OCT-2009	18:28:40.681	18:31:11.130	150.44900
MM	75962	30-OCT-2009	20:07:56.760	20:10:01.241	124.48100
MM	75963	30-OCT-2009	21:47:44.266	21:50:25.860	161.59400
MM	75964	30-OCT-2009	23:28:23.816	23:30:18.976	115.16000
BE	75952	30-OCT-2009	02:47:32.340	02:50:06.827	154.48700
BE	75952	30-OCT-2009	02:59:42.880	03:00:53.102	70.222000
BE	75953	30-OCT-2009	04:27:45.141	04:30:37.445	172.30400
SG	75952	30-OCT-2009	02:58:50.905	03:01:17.392	146.48700
SG	75953	30-OCT-2009	04:39:30.711	04:41:25.512	114.80100

SG	75959	30-OCT-2009	15:33:19.210	15:35:53.551	154.34100

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	75950	29-OCT-2009	23:49:30.004	00:03:57.669	867.66500
HO	75951	30-OCT-2009	01:30:34.561	01:42:23.040	708.47900
GS	75951	30-OCT-2009	00:46:04.001	00:54:31.449	507.44800
CM	75952	30-OCT-2009	03:54:59.373	04:07:20.820	741.44700
MM	75953	30-OCT-2009	05:08:09.538	05:13:56.965	347.42700
KS	75954	30-OCT-2009	06:03:42.192	06:09:09.293	327.10100
CM	75954	30-OCT-2009	05:38:35.532	05:42:40.506	244.97400
JO	75954	30-OCT-2009	06:31:59.941	06:40:22.495	502.55400
MA	75955	30-OCT-2009	07:52:55.987	07:59:48.143	412.15600
JO	75955	30-OCT-2009	08:07:10.616	08:22:10.392	899.77600
JO	75956	30-OCT-2009	09:49:22.539	09:59:18.317	595.77800
HO	75957	30-OCT-2009	12:00:13.467	12:13:34.690	801.22300
HO	75958	30-OCT-2009	13:39:14.259	13:53:43.824	869.56500
BE	75959	30-OCT-2009	14:04:08.721	14:17:33.418	804.69700
HO	75959	30-OCT-2009	15:20:34.186	15:28:10.322	456.13600
GS	75959	30-OCT-2009	14:31:40.461	14:42:40.358	659.89700
BE	75960	30-OCT-2009	15:46:27.011	15:55:15.534	528.52300
GS	75960	30-OCT-2009	16:10:16.276	16:24:09.136	832.86000
CM	75960	30-OCT-2009	16:18:56.553	16:31:19.790	743.23700
GS	75961	30-OCT-2009	17:50:41.613	18:00:43.194	601.58100
CM	75961	30-OCT-2009	18:01:33.962	18:06:10.703	276.74100
MA	75962	30-OCT-2009	19:11:09.645	19:18:51.432	461.78700
JO	75962	30-OCT-2009	20:27:16.996	20:42:09.369	892.37300
MA	75963	30-OCT-2009	20:45:44.016	20:59:26.700	822.68400
JO	75963	30-OCT-2009	22:07:43.402	22:19:24.480	701.07800
HO	75964	30-OCT-2009	23:18:30.915	23:32:38.469	847.55400
MA	75964	30-OCT-2009	22:29:42.314	22:37:10.416	448.10200

[BACK TO MENU]

1.5 - List of corrupted products

Station	Orbit	Time

2 - Instrument Indicators and Daily Plots

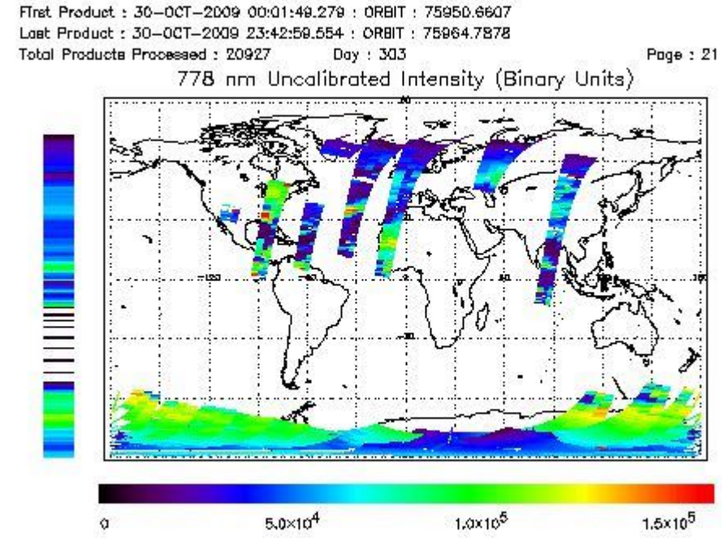
2.1 - Instrument Indicators Status

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	South Polar View operations
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

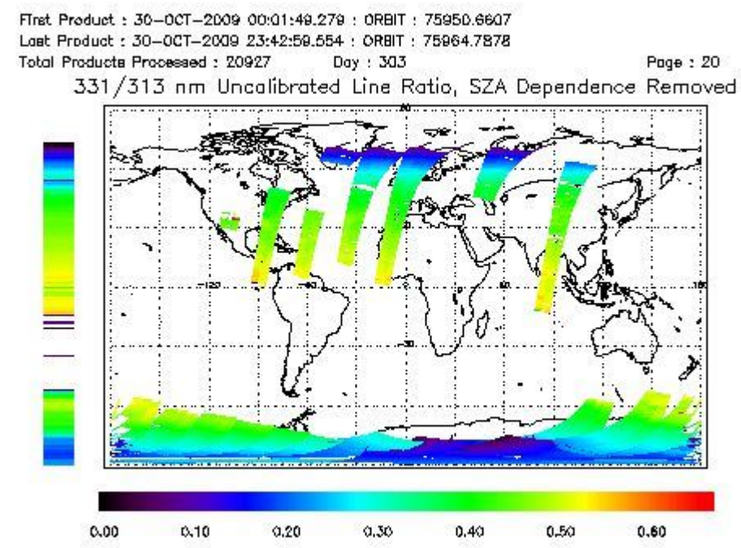
2.2 - Daily Plots

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

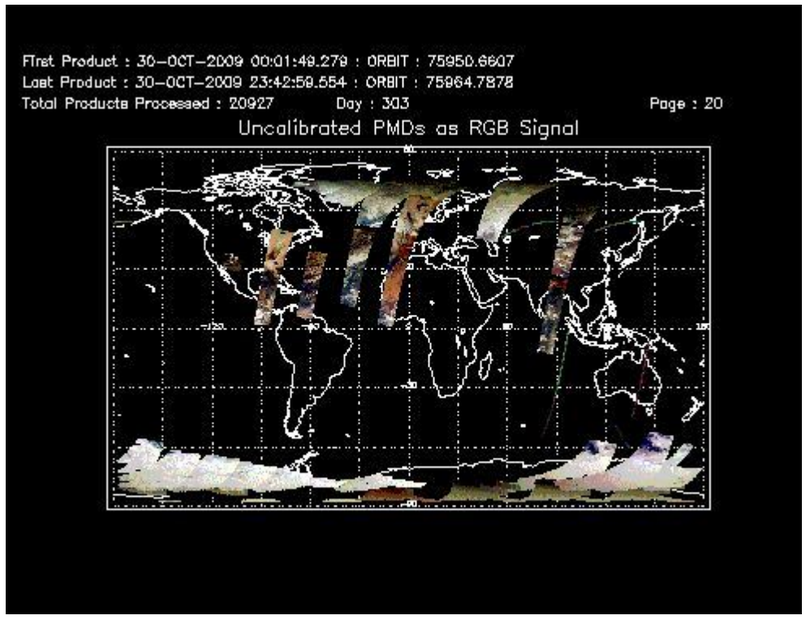
NEAR IR Intensity



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)
Q	00:08:44	00:14:26	75950	No End	--	dropdown_to_180	254
Q	00:39:06	00:48:52	75951	No Start/No End	--	dropdown_to_180	255
Q	02:50:06	02:56:39	75952	No Start	--	--	256
Q	03:11:56	03:14:53	75952	No End	--	dropdown_to_180	257
Q	03:29:58	03:35:14	75952	No End	--	dropdown_to_180	258
Q	03:59:17	04:15:01	75953	No Start	--	--	259
Q	06:51:09	06:59:21	75954	No End	--	dropdown_to_180	260
Q	09:29:22	09:39:04	75956	Yes	--	dropdown_to_180	261
Q	10:12:23	10:22:03	75956	No Start	--	--	262

(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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[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
01:00 05-Sep	--	75164	--

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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