GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	02-APR-2010
Start Time of First Product	23:56:51 (01-Apr)
Stop Time of Last Product	23:49:04
Number of EGOI Products analysed	29
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100402BEEP2340.E2	02-APR-2010	02:10:14.115
EGOI_100402BEEP2346.E2	02-APR-2010	03:49:17.722
EGOI_100402GSEP3151.E2	02-APR-2010	01:44:12.455
EGOI_100402GSEP3183.E2	02-APR-2010	03:22:28.058
EGOI_100402GSEP3193.E2	02-APR-2010	05:05:30.188
EGOI_100402KSEP7336.E2	02-APR-2010	07:04:00.913
EGOI_100402KSEP7354.E2	02-APR-2010	08:44:00.023
EGOI_100402KSEP7378.E2	02-APR-2010	10:23:39.631
EGOI_100402KSEP7399.E2	02-APR-2010	12:03:08.746

EGOI_100402KSEP7413.E2	02-APR-2010	13:42:06.345
EGOI_100402KSEP7422.E2	02-APR-2010	15:20:41.448
EGOI_100402KSEP7449.E2	02-APR-2010	16:58:07.544
EGOI_100402KSEP7479.E2	02-APR-2010	18:36:05.147
EGOI_100402KSEP7504.E2	02-APR-2010	20:15:01.250
EGOI_100402KSEP7531.E2	02-APR-2010	21:56:12.373
EGOI_100402KSEP7553.E2	02-APR-2010	23:40:04.008
EGOI_100402MAEP0587.E2	02-APR-2010	08:51:28.566
EGOI_100402MAEP0603.E2	02-APR-2010	10:31:05.178
EGOI_100402MAEP0621.E2	02-APR-2010	20:08:20.707
EGOI_100402MIEP8124.E2	02-APR-2010	01:44:07.955
EGOI_100402MIEP8149.E2	02-APR-2010	03:18:01.030
EGOI_100402MIEP8172.E2	02-APR-2010	05:00:12.153
EGOI_100402MIEP8199.E2	02-APR-2010	15:38:13.054
EGOI_100402MIEP8223.E2	02-APR-2010	17:21:12.189
EGOI_100402MSEP0487.E2	01-APR-2010	23:56:50.800
EGOI_100402MSEP0509.E2	02-APR-2010	10:37:47.217
EGOI_100402MSEP0538.E2	02-APR-2010	12:16:17.824
EGOI_100402MSEP0566.E2	02-APR-2010	21:47:37.814
EGOI_100402MSEP0599.E2	02-APR-2010	23:25:02.414

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78159	02-APR-2010	07:02:46.139	07:04:00.913	74.774000
KS	78160	02-APR-2010	08:42:13.254	08:44:00.022	106.76800
KS	78161	02-APR-2010	10:21:50.826	10:23:39.631	108.80500
KS	78162	02-APR-2010	12:01:17.870	12:03:08.745	110.87500
KS	78163	02-APR-2010	13:40:16.118	13:42:06.345	110.22700
KS	78164	02-APR-2010	15:18:30.489	15:20:41.448	130.95900
KS	78165	02-APR-2010	16:56:11.973	16:58:07.543	115.57000
KS	78166	02-APR-2010	18:34:16.738	18:36:05.146	108.40800
KS	78167	02-APR-2010	20:13:37.578	20:15:01.250	83.672000
KS	78168	02-APR-2010	21:54:54.466	21:56:12.373	77.907000
KS	78169	02-APR-2010	23:38:58.616	23:40:04.007	65.391000
GS	78156	02-APR-2010	01:42:50.095	01:44:12.454	82.359000
GS	78157	02-APR-2010	03:21:18.244	03:22:28.057	69.813000
MS	78155	01-APR-2010	23:55:18.550	23:56:50.799	92.249000
MS	78161	02-APR-2010	10:35:51.967	10:37:47.217	115.25000
MS	78162	02-APR-2010	12:14:24.035	12:16:17.823	113.78800

MS	78169	02-APR-2010	23:23:29.060	23:25:02.414	93.354000
MA	78161	02-APR-2010	10:29:51.978	10:31:05.177	73.199000
MA	78167	02-APR-2010	20:06:25.509	20:08:20.707	115.19800
MI	78156	02-APR-2010	01:43:03.305	01:44:07.955	64.650000
MI	78164	02-APR-2010	15:36:31.191	15:38:13.053	101.86200
MI	78165	02-APR-2010	17:17:02.504	17:21:12.189	249.68500
BE	78156	02-APR-2010	02:08:10.115	02:10:14.114	123.99900
BE	78157	02-APR-2010	03:47:22.062	03:49:17.721	115.65900

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	78155	02-APR-2010	00:49:31.323	01:03:24.490	833.16700
MM	78155	02-APR-2010	01:01:21.568	01:11:50.254	628.68600
KS	78155	02-APR-2010	00:12:47.624	00:16:50.240	242.61600
MM	78156	02-APR-2010	02:44:00.277	02:52:14.914	494.63700
SG	78156	02-APR-2010	02:20:41.208	02:31:06.092	624.88400
MM	78157	02-APR-2010	04:27:05.370	04:33:14.042	368.67200
SG	78157	02-APR-2010	03:58:21.751	04:11:37.971	796.22000
CM	78157	02-APR-2010	03:16:14.249	03:26:58.913	644.66400
CM	78157	02-APR-2010	04:55:25.938	05:06:06.084	640.14600
MM	78158	02-APR-2010	06:09:20.182	06:15:27.599	367.41700
MM	78159	02-APR-2010	07:50:20.133	07:58:32.552	492.41900
JO	78159	02-APR-2010	07:28:08.445	07:42:04.944	836.49900
MM	78160	02-APR-2010	09:30:44.854	09:41:11.806	626.95200
JO	78160	02-APR-2010	09:07:30.632	09:21:11.852	821.22000
HO	78161	02-APR-2010	11:21:21.069	11:31:59.543	638.47400
MM	78161	02-APR-2010	11:10:52.992	11:22:50.555	717.56300
HO	78162	02-APR-2010	12:59:23.289	13:14:12.703	889.41400
MM	78162	02-APR-2010	12:50:47.693	13:03:25.858	758.16500
HO	78163	02-APR-2010	14:39:42.819	14:50:47.518	664.69900
MM	78163	02-APR-2010	14:30:27.643	14:43:10.440	762.79700
SG	78163	02-APR-2010	14:53:59.840	15:07:12.234	792.39400
BE	78164	02-APR-2010	15:04:37.741	15:16:44.136	726.39500
MM	78164	02-APR-2010	16:09:51.275	16:22:25.465	754.19000
GS	78164	02-APR-2010	15:30:33.224	15:44:16.326	823.10200

SG	78164	02-APR-2010	16:34:24.469	16:45:00.141	635.67200
CM	78164	02-APR-2010	15:39:57.084	15:50:48.561	651.47700
MM	78165	02-APR-2010	17:49:01.664	18:01:33.957	752.29300
GS	78165	02-APR-2010	17:10:18.414	17:22:39.845	741.43100
CM	78165	02-APR-2010	17:19:14.230	17:29:47.653	633.42300
MM	78166	02-APR-2010	19:28:11.890	19:40:52.269	760.37900
JO	78166	02-APR-2010	19:48:13.192	20:01:30.712	797.52000
MM	78167	02-APR-2010	21:07:44.025	21:20:26.716	762.69100
JO	78167	02-APR-2010	21:27:04.190	21:41:17.419	853.22900
HO	78168	02-APR-2010	22:39:46.747	22:52:34.711	767.96400
MM	78168	02-APR-2010	22:48:00.731	23:00:16.793	736.06200
MA	78168	02-APR-2010	21:47:01.223	21:58:48.511	707.28800

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1.5 - List of corrupted products

Station	Orbit	Time

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

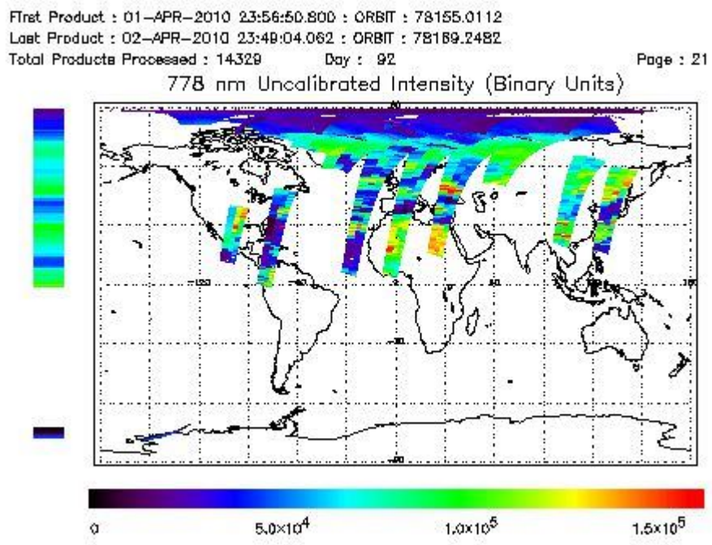
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	North 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

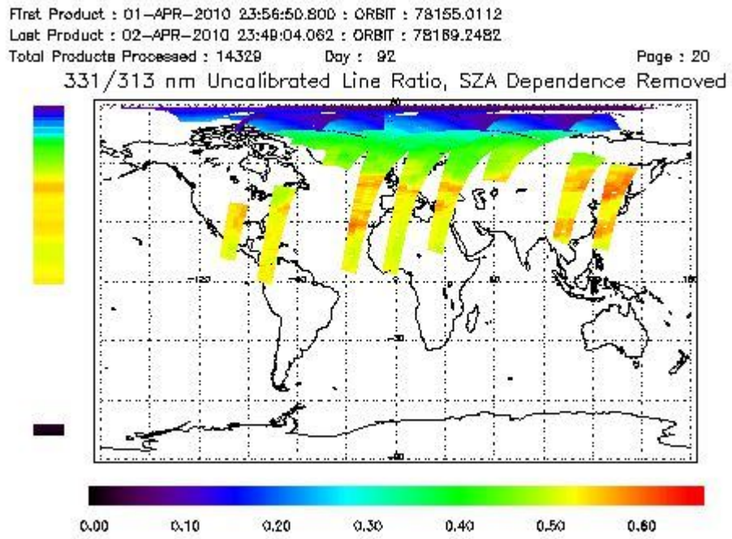
2.2 - Daily Plots

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

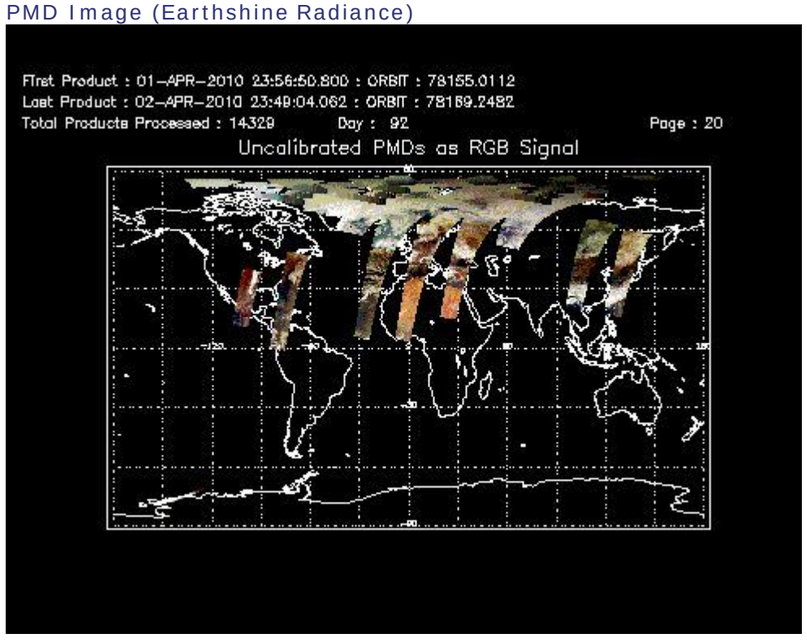
NEAR IR Intensity



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)
D	17:03:01.579	--	78165	Yes	--	15294

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
07:00 10-Mar	--	77830	--

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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