GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Time of Report Generation	25-JUN-2009
Start Time of First Product	24-JUN-2009 23:43:28
Stop Time of Last Product	25-JUN-2009 23:25:29
Number of EGOI Products analysed	34
Number of corrupted products	1
Anomalies and/or Special Operations	Nominal data

1.2 - List of received products

Name	Date	Time
EGOI_090625BEEP0156.E2	25-JUN-2009	04:23:30.861
EGOI_090625GSEP3090.E2	25-JUN-2009	02:15:24.088
EGOI_090625GSEP3118.E2	25-JUN-2009	03:55:11.189
EGOI_090625GSEP3126.E2	25-JUN-2009	05:37:49.314
EGOI_090625HLEP1552.E2	24-JUN-2009	23:43:27.665
EGOI_090625HLEP1559.E2	25-JUN-2009	01:23:59.776
EGOI_090625HLEP1568.E2	25-JUN-2009	15:14:10.813
EGOI_090625HLEP1576.E2	25-JUN-2009	21:38:17.643
EGOI_090625HLEP1583.E2	25-JUN-2009	23:12:39.219

EGOI_090625KSEP0347.E2	25-JUN-2009	07:35:57.528
EGOI_090625KSEP0371.E2	25-JUN-2009	09:15:56.638
EGOI_090625KSEP0400.E2	25-JUN-2009	10:55:34.741
EGOI_090625KSEP0427.E2	25-JUN-2009	12:34:53.342
EGOI_090625KSEP0450.E2	25-JUN-2009	14:13:50.949
EGOI_090625KSEP0470.E2	25-JUN-2009	15:51:48.540
EGOI_090625KSEP0500.E2	25-JUN-2009	17:29:37.134
EGOI_090625KSEP0530.E2	25-JUN-2009	19:07:39.229
EGOI_090625KSEP0565.E2	25-JUN-2009	20:47:09.839
EGOI_090625KSEP0592.E2	25-JUN-2009	22:29:20.961
EGOI_090625MAEP0999.E2	25-JUN-2009	09:23:35.681
EGOI_090625MAEP1009.E2	25-JUN-2009	11:03:16.788
EGOI_090625MAEP1015.E2	25-JUN-2009	19:07:27.229
EGOI_090625MAEP1028.E2	25-JUN-2009	22:21:11.906
EGOI_090625MIEP2139.E2	25-JUN-2009	02:12:19.568
EGOI_090625MIEP2156.E2	25-JUN-2009	03:50:35.162
EGOI_090625MIEP2176.E2	25-JUN-2009	14:32:46.558
EGOI_090625MIEP2204.E2	25-JUN-2009	16:09:27.650
EGOI_090625MSEP8055.E2	25-JUN-2009	00:30:18.955
EGOI_090625MSEP8075.E2	25-JUN-2009	11:08:48.323
EGOI_090625MSEP8102.E2	25-JUN-2009	12:48:32.428
EGOI_090625MSEP8124.E2	25-JUN-2009	22:18:14.887
EGOI_090625SGEP7833.E2	25-JUN-2009	02:52:51.314
EGOI_090625SGEP7843.E2	25-JUN-2009	04:34:29.428
EGOI_090625SGEP7852.E2	25-JUN-2009	13:52:34.320
EGOI_090625SGEP7857.E2	25-JUN-2009	15:27:09.395

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	74137	25-JUN-2009	07:33:58.188	07:35:57.528	119.34000
KS	74138	25-JUN-2009	09:13:32.028	09:15:56.638	144.61000
KS	74139	25-JUN-2009	10:53:08.111	10:55:34.741	146.63000
KS	74140	25-JUN-2009	12:32:28.231	12:34:53.342	145.11100
KS	74141	25-JUN-2009	14:11:20.850	14:13:50.949	150.09900
KS	74142	25-JUN-2009	15:49:13.278	15:51:48.539	155.26100
KS	74143	25-JUN-2009	17:27:07.315	17:29:37.133	149.81800
KS	74144	25-JUN-2009	19:05:19.880	19:07:39.228	139.34800
KS	74145	25-JUN-2009	20:45:13.179	20:47:09.838	116.65900
KS	74146	25-JUN-2009	22:27:14.978	22:29:20.960	125.98200
GS	74134	25-JUN-2009	02:13:44.243	02:15:24.087	99.844000
GS	74135	25-JUN-2009	03:53:12.548	03:55:11.188	118.64000

MS	74133	25-JUN-2009	00:27:59.638	00:30:18.955	139.31700
MS	74139	25-JUN-2009	11:06:16.452	11:08:48.322	151.87000
MS	74140	25-JUN-2009	12:46:07.456	12:48:32.427	144.97100
MS	74146	25-JUN-2009	22:16:13.187	22:18:14.887	121.70000
MS	74147	25-JUN-2009	23:55:18.549	23:57:31.997	133.44800
MA	74138	25-JUN-2009	09:21:42.942	09:23:35.680	112.73800
MA	74139	25-JUN-2009	11:01:59.392	11:03:16.788	77.396000
MA	74144	25-JUN-2009	19:03:23.958	19:07:27.229	243.27100
MI	74134	25-JUN-2009	02:10:33.304	02:12:19.567	106.26300
MI	74135	25-JUN-2009	03:47:33.378	03:50:35.162	181.78400
MI	74135	25-JUN-2009	03:58:33.707	04:00:44.762	131.05500
MI	74141	25-JUN-2009	14:31:02.331	14:32:46.557	104.22600
MI	74142	25-JUN-2009	16:07:36.933	16:09:27.649	110.71600
BE	74135	25-JUN-2009	04:19:03.293	04:23:30.861	267.56800
SG	74134	25-JUN-2009	02:50:32.518	02:52:51.314	138.79600
SG	74135	25-JUN-2009	04:30:32.869	04:34:29.428	236.55900
SG	74141	25-JUN-2009	15:24:48.380	15:27:09.394	141.01400

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	74132	24-JUN-2009	23:51:33.077	00:03:09.033	695.95600
MM	74133	25-JUN-2009	01:33:31.360	01:43:21.533	590.17300
BE	74134	25-JUN-2009	02:39:03.683	02:52:17.252	793.56900
MM	74134	25-JUN-2009	03:16:24.296	03:23:53.884	449.58800
CM	74134	25-JUN-2009	03:46:34.647	03:58:46.718	732.07100
MM	74135	25-JUN-2009	04:59:22.523	05:05:12.269	349.74600
MM	74136	25-JUN-2009	06:41:10.867	06:47:49.988	399.12100
KS	74136	25-JUN-2009	05:55:25.695	05:59:51.163	265.46800
CM	74136	25-JUN-2009	05:28:48.352	05:35:21.595	393.24300
JO	74136	25-JUN-2009	06:24:28.245	06:31:10.045	401.80000
MM	74137	25-JUN-2009	08:21:56.031	08:30:53.621	537.59000
JO	74137	25-JUN-2009	07:58:43.928	08:13:37.787	893.85900
MM	74138	25-JUN-2009	10:02:14.597	10:13:15.637	661.04000
JO	74138	25-JUN-2009	09:40:13.466	09:51:17.563	664.09700
MM	74139	25-JUN-2009	11:42:18.509	11:54:33.820	735.31100

MM	74140	25-JUN-2009	13:22:08.792	13:34:51.308	762.51600
BE	74141	25-JUN-2009	13:55:39.818	14:09:01.521	801.70300
MM	74141	25-JUN-2009	15:01:43.699	15:14:24.077	760.37800
GS	74141	25-JUN-2009	14:23:23.081	14:33:54.856	631.77500
BE	74142	25-JUN-2009	15:37:19.775	15:47:07.320	587.54500
MM	74142	25-JUN-2009	16:41:02.416	16:53:34.712	752.29600
GS	74142	25-JUN-2009	16:01:44.304	16:15:39.974	835.67000
CM	74142	25-JUN-2009	16:10:29.861	16:22:45.378	735.51700
MM	74143	25-JUN-2009	18:20:10.840	18:32:45.034	754.19400
MI	74143	25-JUN-2009	17:50:36.998	17:54:53.706	256.70800
GS	74143	25-JUN-2009	17:42:00.277	17:52:38.447	638.17000
CM	74143	25-JUN-2009	17:52:06.469	17:58:48.457	401.98800
MM	74144	25-JUN-2009	19:59:25.343	20:12:08.147	762.80400
JO	74144	25-JUN-2009	20:18:50.942	20:33:32.233	881.29100
MM	74145	25-JUN-2009	21:39:09.256	21:51:47.738	758.48200
MA	74145	25-JUN-2009	20:37:14.898	20:50:54.836	819.93800
JO	74145	25-JUN-2009	21:58:56.321	22:11:21.164	744.84300
MM	74146	25-JUN-2009	23:19:43.722	23:31:42.269	718.54700

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1.5 - List of corrupted products

Station	Orbit	Time
MI	74142	16:24:03.7

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2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

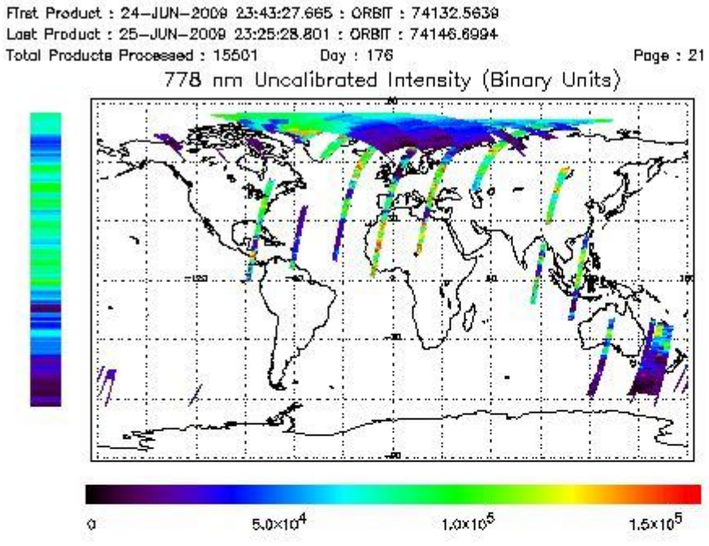
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

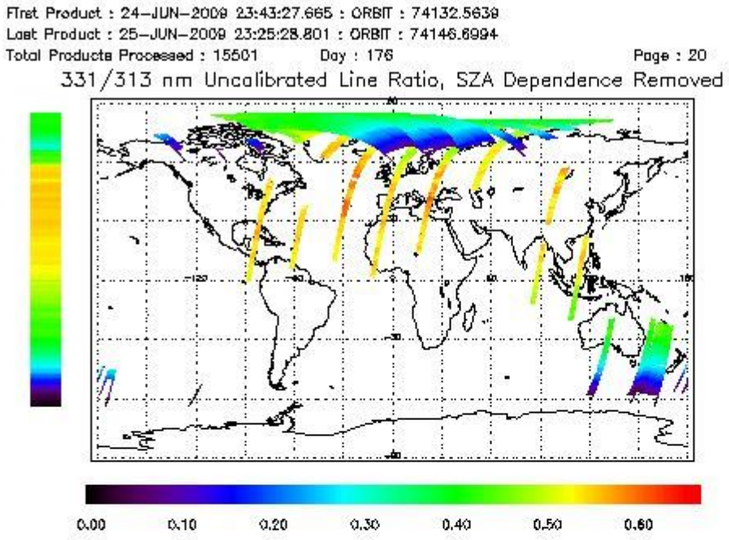
2.2 - Daily Plots

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

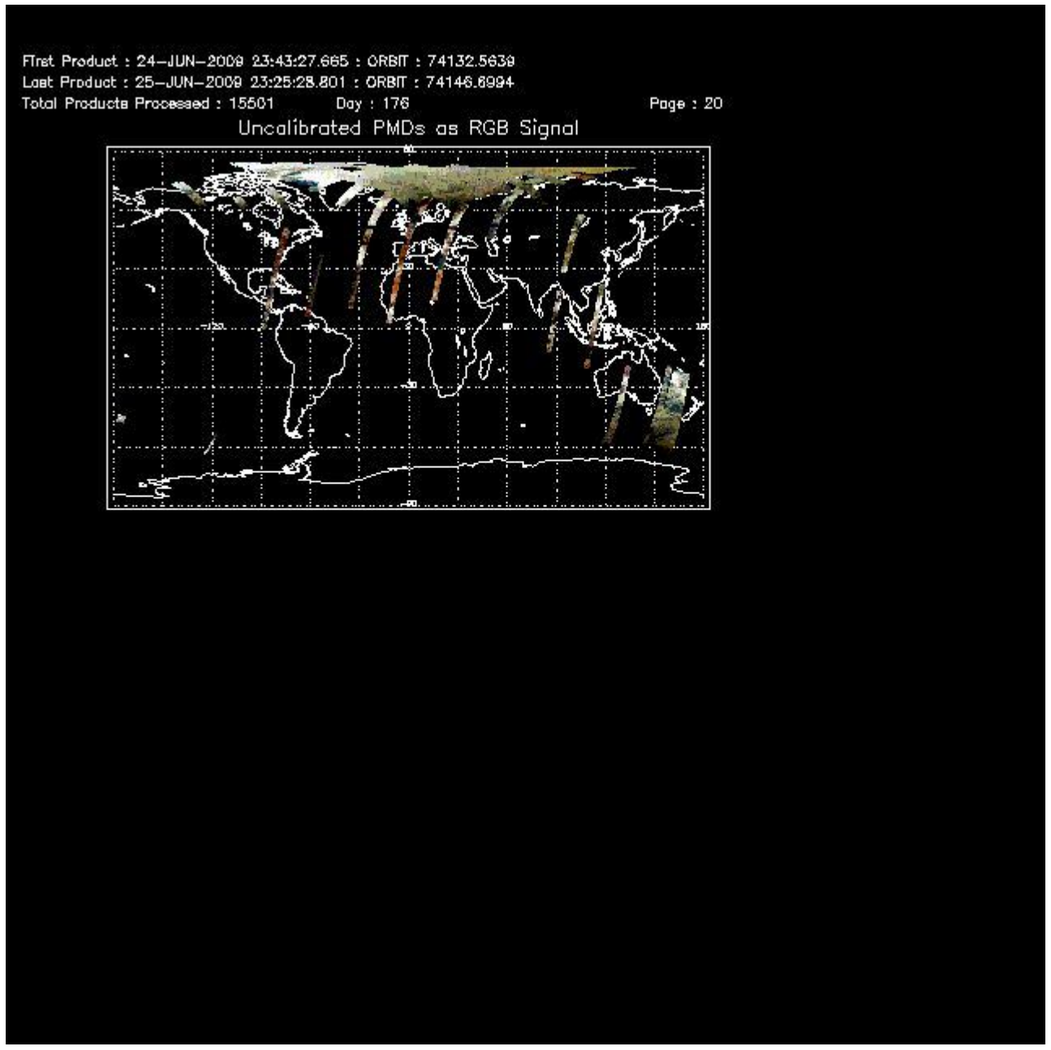
NEAR IR Intensity



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 (Y/NS/NE)	Warm Detector Temperature (TST/44)	Max PMD Readout during solar calibration (BU set 2/12)
D	17:29:59.640	--	74143	Y	--	14410

3.2 - Lamp Calibration (Quarterly/TST44)

Quarterly(D)/TST44(T)	Start Time	End Time	Orbit	Ground Station Visibility (Y/NS/NE)	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	Orbit End	Ground Station Visibility (Y/NS/NE)
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4.2 - Instrument Off

Start Time	End Time	Start Orbit	Orbit End	MPS Resumption	Ground Station Visibility (Y/NS/NE)
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4.3 - Cooler Switchings

Start Time	End Time	Start Orbit	Orbit End	Ground Station Visibility (Y/NS/NE)	Max Temp. Ch 1	Max Temp. Ch 2	Max Temp. Ch 3	Max Temp. Ch 4
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5 - Instrument Operations

5.1 - Timeline Interruptions

Start Time	End Time	Start Orbit	Orbit End	Ground Station Visibility (Y/NS/NE)
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5.2 - TST44

Start Time	Start Orbit	Ground Station Visibility (Y/NS/NE)
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5.3 - Power Cycle

Start Time	End Time	Start Orbit	Orbit End	Ground Station Visibility (Y/NS/NE)
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5.4 - Wrong Command Execution

Start Time	End Time	Start Orbit	Orbit End	Ground Station Visibility (Y/NS/NE)
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5.5 - Narrow Swath Timeline

Start Time	End Time	Start Orbit	Orbit End
19:30 (24-JUN-2009)	17:00 (25-JUN-2009)	74130	74143

5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	Orbit End
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