GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Time of Report Generation	23-JUN-2009
Start Time of First Product	00:46:03
Stop Time of Last Product	23:44:01
Number of EGOI Products analysed	32
Number of corrupted products	--
Anomalies and/or Special Operations	GOME SEU starting at 00:00, orbit 74104 until 18:25, orbit 74115. Orbit 74114 in nadir static view, nominal data after Power Cycle (GMN11) from 18:25, orbit 74115.

1.2 - List of received products

Name	Date	Time
EGOI_090623BEEP0140.E2	23-JUN-2009	02:05:17.472
EGOI_090623BEEP0144.E2	23-JUN-2009	03:44:18.070
EGOI_090623GSEP2929.E2	23-JUN-2009	01:39:20.312
EGOI_090623GSEP2957.E2	23-JUN-2009	03:17:26.909
EGOI_090623GSEP2966.E2	23-JUN-2009	05:00:17.034
EGOI_090623HLEP1505.E2	23-JUN-2009	00:46:03.491
EGOI_090623HLEP1512.E2	23-JUN-2009	14:36:14.525
EGOI_090623HLEP1521.E2	23-JUN-2009	22:36:38.598
EGOI_090623KSEP0002.E2	23-JUN-2009	13:37:03.668

EGOI_090623KSEP0005.E2	23-JUN-2009	16:54:09.525
EGOI_090623KSEP0006.E2	23-JUN-2009	11:58:07.566
EGOI_090623KSEP0011.E2	23-JUN-2009	08:38:55.858
EGOI_090623KSEP0013.E2	23-JUN-2009	15:15:40.268
EGOI_090623KSEP0020.E2	23-JUN-2009	18:31:07.117
EGOI_090623KSEP0028.E2	23-JUN-2009	21:51:00.829
EGOI_090623KSEP0045.E2	23-JUN-2009	23:34:40.459
EGOI_090623KSEP9996.E2	23-JUN-2009	20:09:51.215
EGOI_090623MAEP0937.E2	23-JUN-2009	10:26:02.507
EGOI_090623MAEP0953.E2	23-JUN-2009	20:04:12.176
EGOI_090623MIEP1903.E2	23-JUN-2009	01:39:53.320
EGOI_090623MIEP1926.E2	23-JUN-2009	03:12:46.382
EGOI_090623MIEP1952.E2	23-JUN-2009	04:54:04.991
EGOI_090623MIEP1974.E2	23-JUN-2009	15:32:59.869
EGOI_090623MIEP2001.E2	23-JUN-2009	17:13:12.640
EGOI_090623MSEP7797.E2	22-JUN-2009	23:51:37.659
EGOI_090623MSEP7821.E2	23-JUN-2009	10:32:55.046
EGOI_090623MSEP7850.E2	23-JUN-2009	12:11:10.645
EGOI_090623MSEP7877.E2	23-JUN-2009	21:43:00.778
EGOI_090623MSEP7906.E2	23-JUN-2009	23:19:56.865
EGOI_090623SGEP7787.E2	23-JUN-2009	02:17:22.046
EGOI_090623SGEP7796.E2	23-JUN-2009	03:54:46.632
EGOI_090623SGEP7804.E2	23-JUN-2009	14:52:58.127

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	74112	23-JUN-2009	13:34:37.910	13:37:03.668	145.75800
KS	74114	23-JUN-2009	16:50:36.956	16:54:09.524	212.56800
KS	74111	23-JUN-2009	11:55:37.481	11:58:07.566	150.08500
KS	74109	23-JUN-2009	08:36:31.719	08:38:55.857	144.13800
KS	74113	23-JUN-2009	15:12:59.914	15:15:40.267	160.35300
KS	74115	23-JUN-2009	18:28:38.847	18:31:07.116	148.26900
KS	74117	23-JUN-2009	21:49:03.396	21:51:00.828	117.43200
KS	74118	23-JUN-2009	23:32:55.202	23:34:40.458	105.25600
KS	74116	23-JUN-2009	20:07:54.183	20:09:51.214	117.03100
GS	74105	23-JUN-2009	01:37:20.528	01:39:20.311	119.78300
GS	74106	23-JUN-2009	03:15:33.457	03:17:26.909	113.45200
MS	74104	22-JUN-2009	23:49:28.185	23:51:37.658	129.47300
MS	74110	23-JUN-2009	10:30:22.544	10:32:55.046	152.50200
MS	74111	23-JUN-2009	12:08:38.370	12:11:10.645	152.27500

MS	74118	23-JUN-2009	23:17:46.111	23:19:56.864	130.75300
MA	74110	23-JUN-2009	10:24:11.880	10:26:02.507	110.62700
MA	74116	23-JUN-2009	20:00:52.234	20:04:12.175	199.94100
MI	74106	23-JUN-2009	03:10:41.159	03:12:46.382	125.22300
MI	74107	23-JUN-2009	04:52:27.528	04:54:04.990	97.462000
MI	74113	23-JUN-2009	15:30:54.863	15:32:59.869	125.00600
MI	74114	23-JUN-2009	17:11:08.523	17:13:12.640	124.11700
BE	74105	23-JUN-2009	02:02:35.518	02:05:17.471	161.95300
BE	74106	23-JUN-2009	03:41:38.071	03:44:18.069	159.99800
SG	74105	23-JUN-2009	02:15:24.254	02:17:22.045	117.79100
SG	74106	23-JUN-2009	03:52:35.741	03:54:46.631	130.89000
SG	74112	23-JUN-2009	14:48:28.300	14:52:58.127	269.82700

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	74104	23-JUN-2009	00:43:42.224	00:57:48.116	845.89200
MM	74104	23-JUN-2009	00:55:31.353	01:06:06.557	635.20400
KS	74104	23-JUN-2009	00:06:32.954	00:11:21.465	288.51100
MM	74105	23-JUN-2009	02:38:07.092	02:46:30.006	502.91400
MM	74106	23-JUN-2009	04:21:12.490	04:27:26.171	373.68100
CM	74106	23-JUN-2009	03:10:49.351	03:21:07.357	618.00600
CM	74106	23-JUN-2009	04:49:32.420	05:00:37.132	664.71200
MM	74107	23-JUN-2009	06:03:31.975	06:09:34.945	362.97000
MM	74108	23-JUN-2009	07:44:35.106	07:52:39.253	484.14700
KS	74108	23-JUN-2009	06:57:06.400	07:06:22.178	555.77800
JO	74108	23-JUN-2009	07:22:38.810	07:36:18.342	819.53200
MM	74109	23-JUN-2009	09:25:01.104	09:35:21.340	620.23600
MA	74109	23-JUN-2009	08:45:29.591	08:57:50.596	741.00500
JO	74109	23-JUN-2009	09:01:39.753	09:15:38.794	839.04100
MM	74110	23-JUN-2009	11:05:10.027	11:17:03.826	713.79900
KS	74110	23-JUN-2009	10:16:09.374	10:30:09.066	839.69200
MM	74111	23-JUN-2009	12:45:05.516	12:57:42.521	757.00500
MM	74112	23-JUN-2009	14:24:46.361	14:37:29.483	763.12200
BE	74113	23-JUN-2009	14:58:46.462	15:11:09.040	742.57800
MM	74113	23-JUN-2009	16:04:10.921	16:16:45.558	754.63700

GS	74113	23-JUN-2009	15:24:54.198	15:38:30.880	816.68200
CM	74113	23-JUN-2009	15:34:29.264	15:44:53.768	624.50400
MM	74114	23-JUN-2009	17:43:21.821	17:55:53.884	752.06300
GS	74114	23-JUN-2009	17:04:33.904	17:17:09.633	755.72900
CM	74114	23-JUN-2009	17:13:23.630	17:24:21.540	657.91000
MM	74115	23-JUN-2009	19:22:31.517	19:35:11.378	759.86100
JO	74115	23-JUN-2009	19:42:42.851	19:55:36.290	773.43900
MM	74116	23-JUN-2009	21:02:01.751	21:14:44.877	763.12600
JO	74116	23-JUN-2009	21:21:19.262	21:35:45.001	865.73900
MM	74117	23-JUN-2009	22:42:15.394	22:54:34.119	738.72500
MA	74117	23-JUN-2009	21:40:35.864	21:53:13.992	758.12800

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1.5 - List of corrupted products

Station	Orbit	Time

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

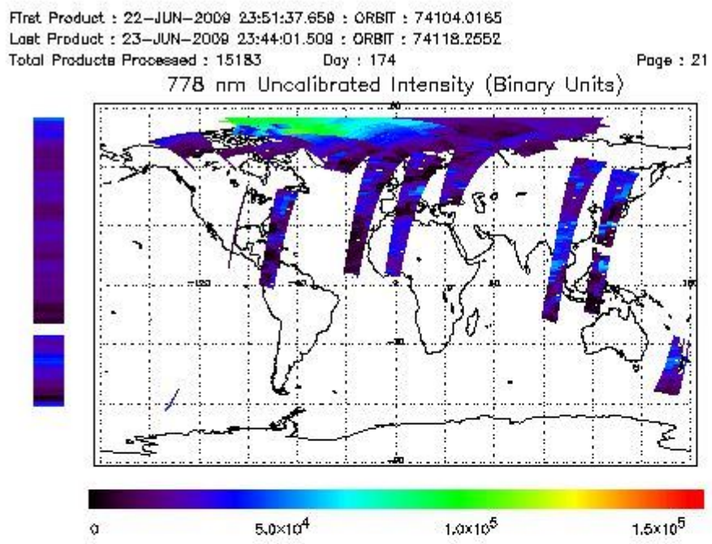
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	No co-Adding flags set due to SEU
Integration Times Band 2A	OK
Integration 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	Channel 2 Summation values low due to SEU
Channel 4 Summation	Channel 4 Summation values low due to SEU
Log Pages	OK
331/338 nm Uncal. Line Ratio	331/338 nm Uncal. Line Ratio anomalous values due to SEU
Uncal. PMDs as RGB signal	OK
780 nm Uncal. Intensity	780 nm Uncal. Intensity anomalous values due to SEU

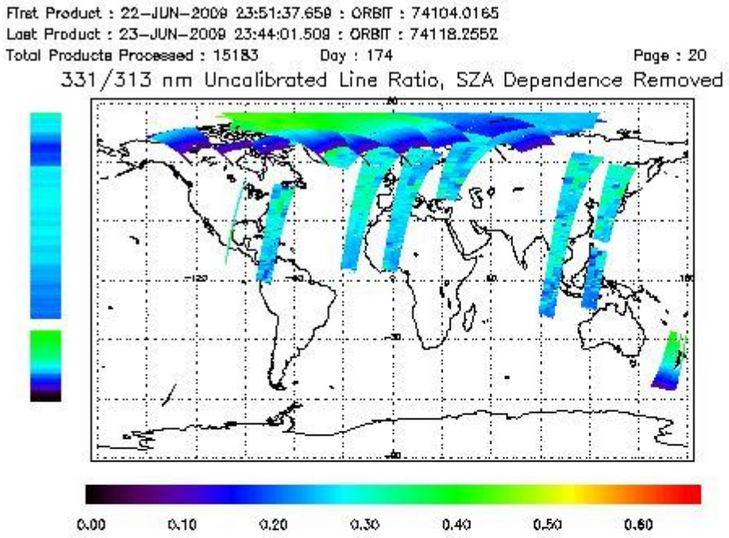
2.2 - Daily Plots

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

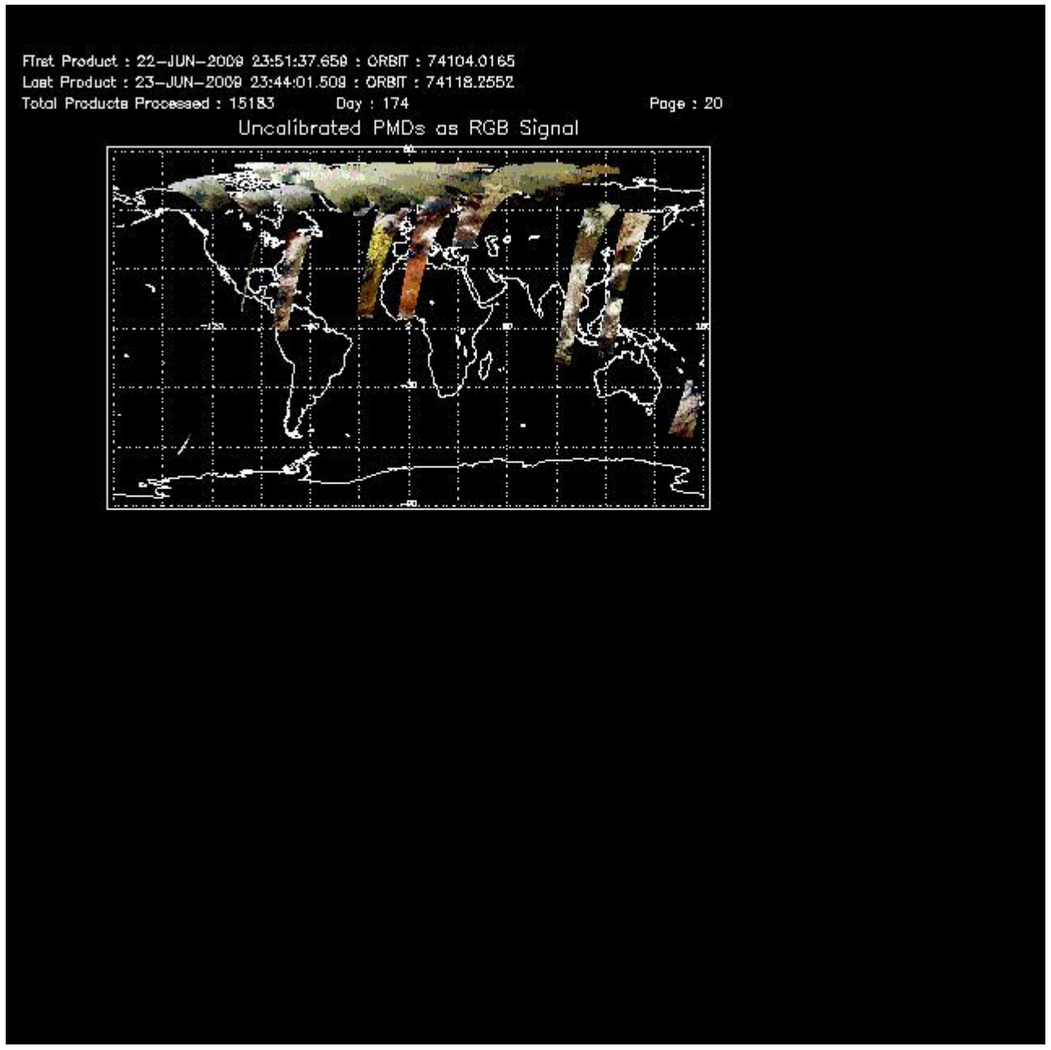
NEAR IR Intensity



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	18:34:05	--	74115	Y	--	14482

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)
00:00	18:25	74104	74114	Y

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)
16:44	18:25	74114	74114	Y

5.2 - TST44

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

5.3 - Power Cycle

Start Time	End Time	Start Orbit	Orbit End	Ground Station Visibility (Y/NS/NE)
18:25	--	74115	--	Y

5.4 - Wrong Command Execution

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

5.5 - Narrow Swath Timeline

Start Time	End Time	Start Orbit	Orbit End
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5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	Orbit End
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