

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Time of Report Generation	06-JUN-2009
Start Time of First Product	00:26:55
Stop Time of Last Product	23:54:03
Total Number of EGOI Products	35
Number of corrupted products	--
Anomalies and/or Special Operations	GOME Switch-Off (ERS-2 Unavailability Report 2009026)

1.2 - Products used in this report

Name	Date	Time
EGOI_090606HLEP1110.E2	05-JUN-2009	23:40:34.156
EGOI_090606HLEP1118.E2	06-JUN-2009	01:21:03.262
EGOI_090606KSEP5522.E2	06-JUN-2009	07:33:04.026
EGOI_090606KSEP5544.E2	06-JUN-2009	09:13:03.133
EGOI_090606KSEP5594.E2	06-JUN-2009	12:39:09.244
EGOI_090606KSEP5607.E2	06-JUN-2009	14:10:57.811
EGOI_090606KSEP5636.E2	06-JUN-2009	15:48:52.433
EGOI_090606KSEP5668.E2	06-JUN-2009	17:26:47.051
EGOI_090606KSEP5692.E2	06-JUN-2009	19:04:37.150

EGOI_090606KSEP5727.E2	06-JUN-2009	20:44:13.756
EGOI_090606KSEP5752.E2	06-JUN-2009	22:26:12.875
EGOI_090606MAEP0312.E2	06-JUN-2009	09:20:45.179
EGOI_090606MAEP0324.E2	06-JUN-2009	19:04:35.650
EGOI_090606MAEP0329.E2	06-JUN-2009	22:18:12.825
EGOI_090606MIEP0222.E2	06-JUN-2009	02:09:30.563
EGOI_090606MIEP0244.E2	06-JUN-2009	03:46:52.149
EGOI_090606MIEP0266.E2	06-JUN-2009	14:29:33.924
EGOI_090606MIEP0285.E2	06-JUN-2009	16:06:27.046
EGOI_090606MIEP0306.E2	06-JUN-2009	17:48:18.692
EGOI_090606MMEP4869.E2	05-JUN-2009	23:50:19.214
EGOI_090606MMEP4876.E2	06-JUN-2009	03:14:24.953
EGOI_090606MMEP4883.E2	06-JUN-2009	04:57:04.574
EGOI_090606MMEP4889.E2	06-JUN-2009	06:39:05.199
EGOI_090606MMEP4898.E2	06-JUN-2009	08:20:13.312
EGOI_090606MMEP4913.E2	06-JUN-2009	13:20:42.499
EGOI_090606MMEP4919.E2	06-JUN-2009	15:00:17.624
EGOI_090606MMEP4926.E2	06-JUN-2009	16:39:54.257
EGOI_090606MMEP4934.E2	06-JUN-2009	18:19:57.880
EGOI_090606MMEP4940.E2	06-JUN-2009	19:58:32.985
EGOI_090606MMEP4948.E2	06-JUN-2009	23:18:22.188
EGOI_090606MSEP5788.E2	06-JUN-2009	00:26:55.433
EGOI_090606MSEP5836.E2	06-JUN-2009	12:45:40.783
EGOI_090606MSEP5860.E2	06-JUN-2009	22:15:20.308
EGOI_090606SGEP7398.E2	06-JUN-2009	02:49:48.805
EGOI_090606SGEP7405.E2	06-JUN-2009	04:29:31.406

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	73865	06-JUN-2009	07:31:07.812	07:33:04.025	116.21300
KS	73866	06-JUN-2009	09:10:41.216	09:13:03.132	141.91600
KS	73868	06-JUN-2009	12:29:38.331	12:39:09.244	570.91300
KS	73869	06-JUN-2009	14:08:31.232	14:10:57.811	146.57900
KS	73870	06-JUN-2009	15:46:25.764	15:48:52.432	146.66800
KS	73871	06-JUN-2009	17:24:18.515	17:26:47.051	148.53600
KS	73872	06-JUN-2009	19:02:30.152	19:04:37.149	126.99700
KS	73873	06-JUN-2009	20:42:20.350	20:44:13.756	113.40600
KS	73874	06-JUN-2009	22:24:17.859	22:26:12.875	115.01600
MS	73861	06-JUN-2009	00:24:58.332	00:26:55.433	117.10100
MS	73868	06-JUN-2009	12:43:10.564	12:45:40.782	150.21800
MS	73874	06-JUN-2009	22:13:29.080	22:15:20.307	111.22700

MS	73875	06-JUN-2009	23:52:23.172	23:54:31.403	128.23100
MA	73866	06-JUN-2009	09:19:00.978	09:20:45.179	104.20100
MA	73872	06-JUN-2009	19:00:51.428	19:04:35.649	224.22100
MA	73874	06-JUN-2009	22:23:30.855	22:26:22.701	171.84600
MI	73862	06-JUN-2009	02:07:55.230	02:09:30.563	95.333000
MI	73863	06-JUN-2009	03:44:41.308	03:46:52.149	130.84100
MI	73869	06-JUN-2009	14:28:29.535	14:29:33.923	64.388000
MI	73870	06-JUN-2009	16:04:46.281	16:06:27.046	100.76500
MM	73860	05-JUN-2009	23:48:39.231	23:50:19.214	99.983000
MM	73865	06-JUN-2009	08:19:03.786	08:20:13.312	69.526000
MM	73868	06-JUN-2009	13:19:17.842	13:20:42.498	84.656000
MM	73869	06-JUN-2009	14:58:53.216	15:00:17.624	84.408000
MM	73870	06-JUN-2009	16:38:12.364	16:39:54.257	101.89300
MM	73871	06-JUN-2009	18:17:20.903	18:19:57.879	156.97600
MM	73872	06-JUN-2009	19:56:34.920	19:58:32.984	118.06400
MM	73874	06-JUN-2009	23:16:50.463	23:18:22.188	91.725000
SG	73862	06-JUN-2009	02:47:47.169	02:49:48.804	121.63500
SG	73863	06-JUN-2009	04:27:34.918	04:29:31.405	116.48700

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	73861	06-JUN-2009	01:18:39.506	01:31:19.389	759.88300
MM	73861	06-JUN-2009	01:30:35.678	01:40:29.527	593.84900
GS	73861	06-JUN-2009	00:35:33.459	00:42:46.612	433.15300
BE	73862	06-JUN-2009	02:36:14.395	02:49:24.766	790.37100
GS	73862	06-JUN-2009	02:10:39.720	02:23:54.885	795.16500
CM	73862	06-JUN-2009	03:43:47.131	03:55:54.804	727.67300
BE	73863	06-JUN-2009	04:16:09.710	04:27:29.566	679.85600
GS	73863	06-JUN-2009	03:50:17.157	04:03:09.446	772.28900
KS	73864	06-JUN-2009	05:52:41.826	05:56:43.245	241.41900
CM	73864	06-JUN-2009	05:25:39.730	05:32:48.298	428.56800
JO	73864	06-JUN-2009	06:22:01.993	06:28:01.963	359.97000
JO	73865	06-JUN-2009	07:55:55.594	08:10:46.583	890.98900
GS	73870	06-JUN-2009	15:58:53.796	16:12:49.829	836.03300
CM	73870	06-JUN-2009	16:07:41.542	16:19:53.177	731.63500

GS	73871	06-JUN-2009	17:39:06.796	17:49:56.265	649.46900
CM	73871	06-JUN-2009	17:49:02.210	17:56:15.841	433.63100
JO	73872	06-JUN-2009	20:16:02.665	20:30:39.247	876.58200
MM	73873	06-JUN-2009	21:36:17.671	21:48:56.673	759.00200
MA	73873	06-JUN-2009	20:34:25.643	20:48:06.170	820.52700
JO	73873	06-JUN-2009	21:56:01.259	22:08:39.123	757.86400
HO	73874	06-JUN-2009	23:07:28.544	23:21:12.866	824.32200

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1.5 - List of corrupted products

Station	Orbit	Time
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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

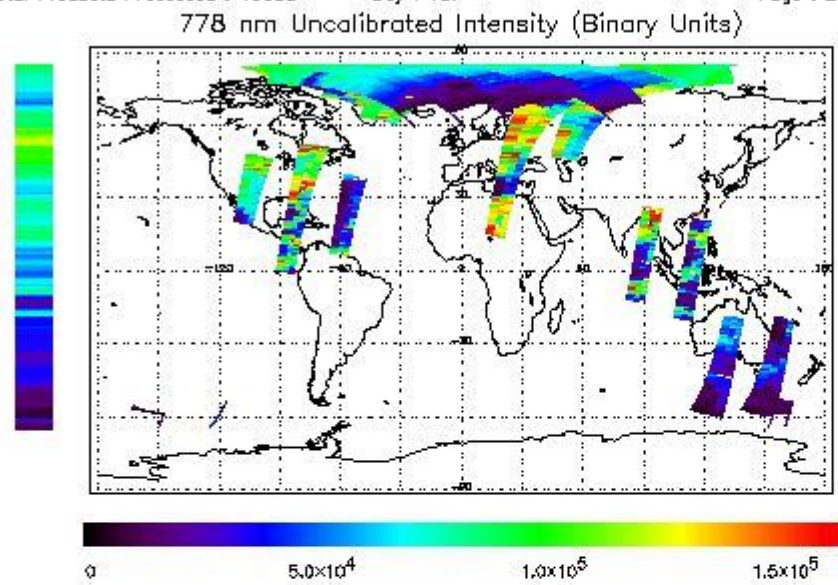
Log Pages	OK
331/338 nm Uncal. Line Ratio	OK
Uncal. PMDs as RGB signal	OK
780 nm Uncal. Intensity	OK

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 explanation see the GOME Performance Legend

NEAR IR Intensity

First Product : 05-JUN-2009 23:40:34.156 : ORBIT : 73860.5637
 Last Product : 06-JUN-2009 23:31:14.766 : ORBIT : 73874.7853
 Total Products Processed : 18058 Day : 157 Page : 21



Ozone Line Ratio

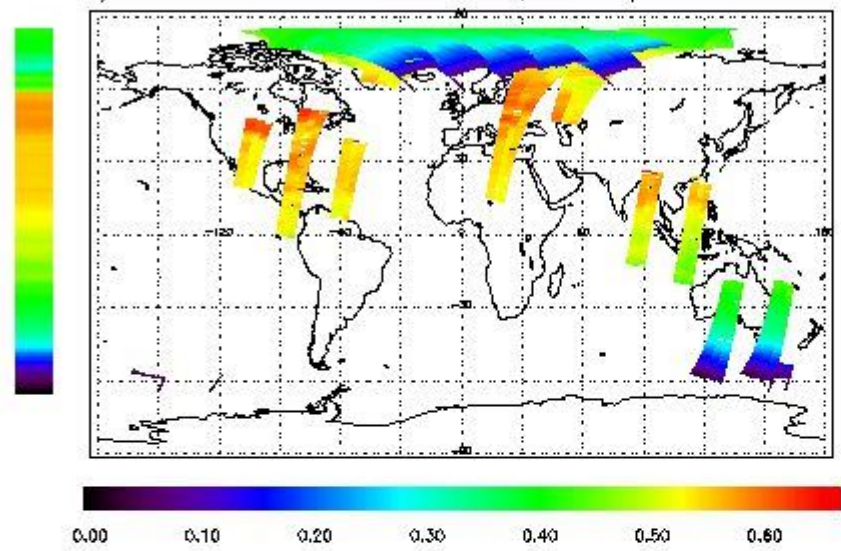
First Product : 05-JUN-2009 23:40:34.156 : ORBIT : 73860.5637

Last Product : 06-JUN-2009 23:31:14.766 : ORBIT : 73874.7853

Total Products Processed : 18058 Day : 157

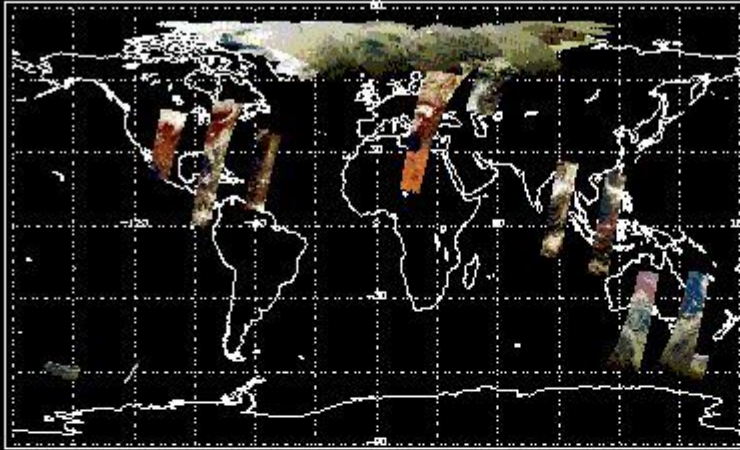
Page : 20

331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed



PMD Image (Earthshine Radiance)

Uncalibrated PMDs as RGB Signal



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	17:27:21.550	--	73871	--	--	14415

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)
09:56:31	14:12:04	73866	73869	--	NS/NE

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
12:39:09	14:12:04	73868	73869	NS/NE	279.0	279.9	279.6	279.8

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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
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5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	Orbit End
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