

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	10-OCT-2009
Start Time of First Product	01:55:10
Stop Time of Last Product	23:08:21
Number of EGOI Products analysed	24
Number of corrupted products	1
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_091010BEEP0874.E2	10-OCT-2009	03:18:36.229
EGOI_091010KSEP8716.E2	10-OCT-2009	06:33:32.919
EGOI_091010KSEP8724.E2	10-OCT-2009	08:13:27.535
EGOI_091010KSEP8736.E2	10-OCT-2009	09:53:08.641
EGOI_091010KSEP8760.E2	10-OCT-2009	11:32:45.253
EGOI_091010KSEP8779.E2	10-OCT-2009	13:11:48.860
EGOI_091010KSEP8791.E2	10-OCT-2009	14:50:34.460
EGOI_091010KSEP8806.E2	10-OCT-2009	16:28:14.059
EGOI_091010KSEP8837.E2	10-OCT-2009	18:06:14.654

EGOI_091010KSEP8872.E2	10-OCT-2009	19:44:25.757
EGOI_091010KSEP8900.E2	10-OCT-2009	21:24:54.869
EGOI_091010KSEP8926.E2	10-OCT-2009	23:08:54.002
EGOI_091010MAEP4743.E2	10-OCT-2009	21:17:18.822
EGOI_091010MIEP1045.E2	10-OCT-2009	02:48:12.045
EGOI_091010MIEP1072.E2	10-OCT-2009	15:08:18.065
EGOI_091010MIEP1101.E2	10-OCT-2009	16:47:26.176
EGOI_091010MSEP0051.E2	10-OCT-2009	10:08:29.740
EGOI_091010MSEP0080.E2	10-OCT-2009	11:45:42.327
EGOI_091010MSEP0102.E2	10-OCT-2009	13:27:08.450
EGOI_091010MSEP0114.E2	10-OCT-2009	21:19:45.837
EGOI_091010MSEP0146.E2	10-OCT-2009	22:54:31.416
EGOI_091010SGEP0304.E2	10-OCT-2009	01:55:10.216
EGOI_091010SGEP0312.E2	10-OCT-2009	03:30:19.799
EGOI_091010SGEP0320.E2	10-OCT-2009	05:12:12.922
EGOI_091010SGEP0326.E2	10-OCT-2009	14:26:16.315
EGOI_091010SGEP0334.E2	10-OCT-2009	16:04:52.918

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75668	10-OCT-2009	06:31:41.552	06:33:32.919	111.36700
KS	75669	10-OCT-2009	08:10:55.269	08:13:27.535	152.26600
KS	75670	10-OCT-2009	09:50:32.504	09:53:08.640	156.13600
KS	75671	10-OCT-2009	11:30:04.683	11:32:45.253	160.57000
KS	75672	10-OCT-2009	13:09:14.132	13:11:48.859	154.72700
KS	75673	10-OCT-2009	14:47:54.577	14:50:34.459	159.88200
KS	75674	10-OCT-2009	16:25:34.472	16:28:14.059	159.58700
KS	75675	10-OCT-2009	18:03:21.503	18:06:14.654	173.15100
KS	75676	10-OCT-2009	19:42:13.408	19:44:25.757	132.34900
KS	75677	10-OCT-2009	21:22:49.747	21:24:54.868	125.12100
KS	75678	10-OCT-2009	23:05:52.106	23:08:54.001	181.89500
MS	75670	10-OCT-2009	10:06:04.972	10:08:29.739	144.76700
MS	75671	10-OCT-2009	11:43:00.114	11:45:42.327	162.21300
MS	75672	10-OCT-2009	13:24:37.356	13:27:08.450	151.09400
MS	75678	10-OCT-2009	22:52:17.540	22:54:31.415	133.87500
MA	75677	10-OCT-2009	21:14:32.646	21:17:18.822	166.17600
MI	75666	10-OCT-2009	02:45:41.313	02:48:12.044	150.73100
MI	75673	10-OCT-2009	15:05:55.411	15:08:18.064	142.65300
MI	75674	10-OCT-2009	16:44:54.304	16:47:26.176	151.87200

BE	75666	10-OCT-2009	03:15:55.647	03:18:36.229	160.58200
SG	75666	10-OCT-2009	03:26:54.319	03:30:19.799	205.48000
SG	75672	10-OCT-2009	14:23:59.301	14:26:16.314	137.01300
SG	75673	10-OCT-2009	16:02:02.614	16:04:52.917	170.30300
SG	75673	10-OCT-2009	16:13:19.967	16:15:05.606	105.63900

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	75664	10-OCT-2009	00:17:43.767	00:32:21.927	878.16000
MM	75664	10-OCT-2009	00:29:18.004	00:40:20.540	662.53600
HO	75665	10-OCT-2009	02:01:23.661	02:09:30.571	486.91000
MM	75665	10-OCT-2009	02:11:39.297	02:20:39.063	539.76600
GS	75665	10-OCT-2009	01:12:49.775	01:23:34.869	645.09400
MM	75666	10-OCT-2009	03:54:42.806	04:01:23.728	400.92200
GS	75666	10-OCT-2009	02:49:53.101	03:03:49.026	835.92500
CM	75666	10-OCT-2009	02:47:04.415	02:54:14.444	430.02900
CM	75666	10-OCT-2009	04:23:24.815	04:35:36.945	732.13000
BE	75667	10-OCT-2009	04:57:01.577	05:04:59.167	477.59000
MM	75667	10-OCT-2009	05:37:21.539	05:43:10.767	349.22800
MI	75667	10-OCT-2009	04:25:23.749	04:36:54.473	690.72400
GS	75667	10-OCT-2009	04:31:44.538	04:42:07.001	622.46300
MM	75668	10-OCT-2009	07:18:41.021	07:26:08.467	447.44600
JO	75668	10-OCT-2009	06:58:14.379	07:10:06.652	712.27300
MM	75669	10-OCT-2009	08:59:13.570	09:09:01.773	588.20300
MA	75669	10-OCT-2009	08:20:07.086	08:31:15.593	668.50700
JO	75669	10-OCT-2009	08:35:37.772	08:50:27.894	890.12200
MM	75670	10-OCT-2009	10:39:26.162	10:51:00.909	694.74700
MA	75670	10-OCT-2009	09:58:34.949	10:11:39.778	784.82900
HO	75671	10-OCT-2009	12:28:22.884	12:42:52.449	869.56500
MM	75671	10-OCT-2009	12:19:25.141	12:31:55.337	750.19600
MA	75671	10-OCT-2009	11:40:00.577	11:46:53.140	412.56300
HO	75672	10-OCT-2009	14:07:57.006	14:21:12.621	795.61500
MM	75672	10-OCT-2009	13:59:09.944	14:11:53.868	763.92400
BE	75673	10-OCT-2009	14:32:41.448	14:45:52.163	790.71500
MM	75673	10-OCT-2009	15:38:38.724	15:51:15.623	756.89900

GS	75673	10-OCT-2009	14:59:34.223	15:12:23.780	769.55700
CM	75673	10-OCT-2009	15:10:31.854	15:17:36.436	424.58200
MM	75674	10-OCT-2009	17:17:52.392	17:30:23.934	751.54200
GS	75674	10-OCT-2009	16:38:47.540	16:52:12.672	805.13200
CM	75674	10-OCT-2009	16:47:23.222	16:59:31.458	728.23600
MM	75675	10-OCT-2009	18:57:00.608	19:09:38.037	757.42900
GS	75675	10-OCT-2009	18:19:53.672	18:27:14.799	441.12700
JO	75675	10-OCT-2009	19:18:19.646	19:28:33.284	613.63800
MM	75676	10-OCT-2009	20:36:23.246	20:49:07.249	764.00300
MA	75676	10-OCT-2009	19:36:04.545	19:48:01.386	716.84100
JO	75676	10-OCT-2009	20:55:35.771	21:10:34.490	898.71900
HO	75677	10-OCT-2009	22:09:58.010	22:20:56.318	658.30800
MM	75677	10-OCT-2009	22:16:23.816	22:28:52.656	748.84000
JO	75677	10-OCT-2009	22:37:32.162	22:45:33.096	480.93400
HO	75678	10-OCT-2009	23:46:41.146	00:01:06.907	865.76100
MM	75678	10-OCT-2009	23:57:20.931	00:08:52.221	691.29000

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1.5 - List of corrupted products

Station	Orbit	Time
MS	75671	11:52:37.870

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

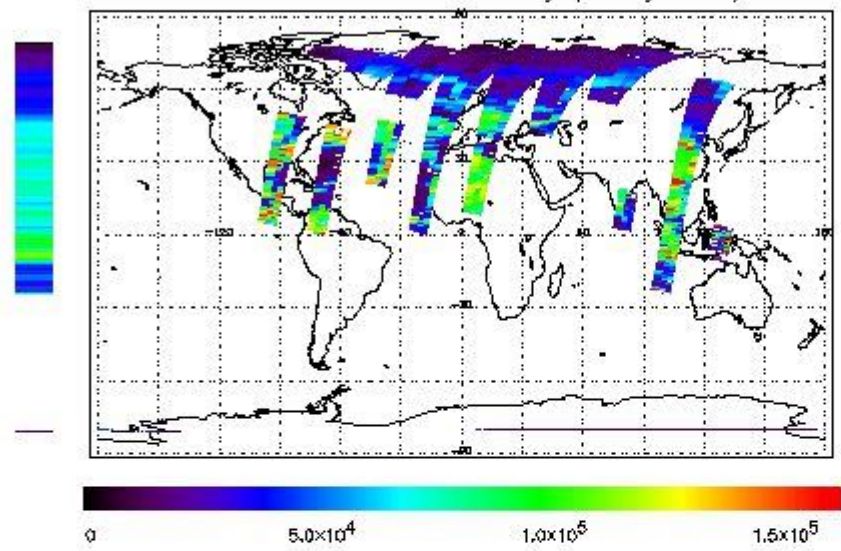
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 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 explanation see the [GOME Performance Legend](#)

NEAR IR Intensity

778 nm Uncalibrated Intensity (Binary Units)



Ozone Line Ratio

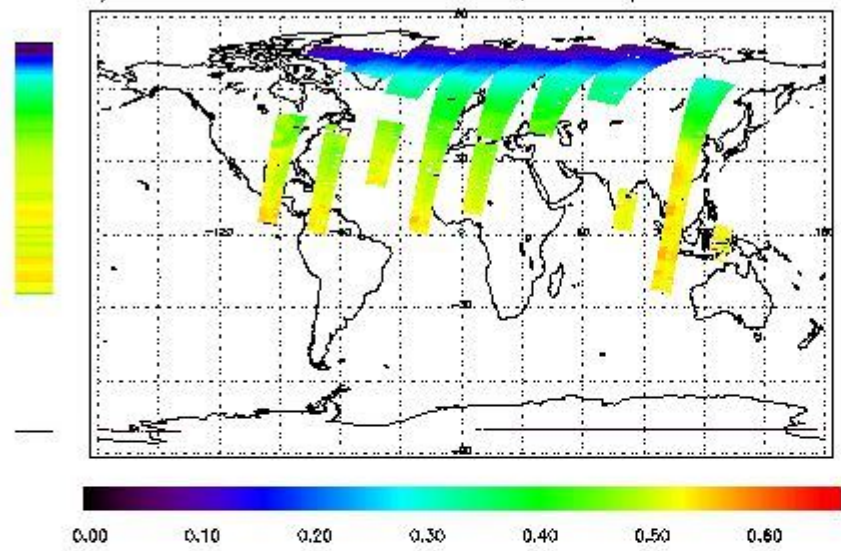
First Product : 10-OCT-2009 01:55:10.216 : ORBIT : 75665.5017

Last Product : 10-OCT-2009 23:08:20.998 : ORBIT : 75678.1577

Total Products Processed : 10670 Day : 283

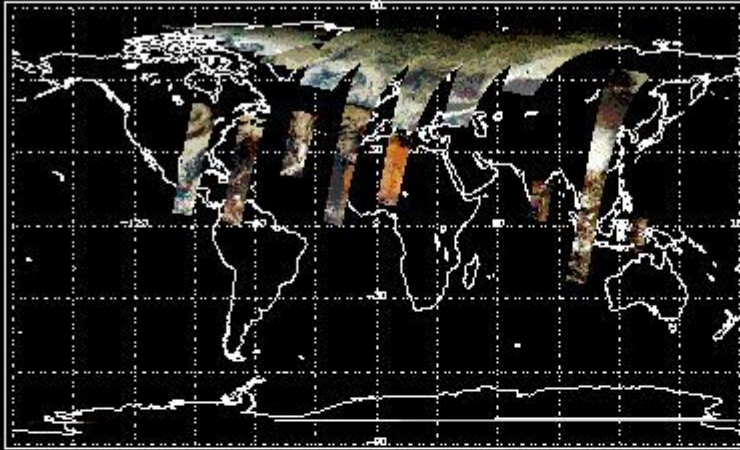
Page : 20

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	Warm Detector Temperature (TST/44)	Max PMD Readout during solar calibration (BU set 2/12)
D	14:55:19.480	--	75673	Yes	--	15277

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
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