

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	17-OCT-2009
Start Time of First Product	00:48:15
Stop Time of Last Product	23:58:44
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_091017BEEP0920.E2	17-OCT-2009	04:39:11.663
EGOI_091017GSEP0882.E2	17-OCT-2009	00:55:40.292
EGOI_091017GSEP0914.E2	17-OCT-2009	02:32:04.883
EGOI_091017GSEP0944.E2	17-OCT-2009	04:12:53.502
EGOI_091017GSEP0951.E2	17-OCT-2009	05:55:21.125
EGOI_091017KSEP0489.E2	17-OCT-2009	06:13:42.242
EGOI_091017KSEP0519.E2	17-OCT-2009	07:53:33.855
EGOI_091017KSEP0548.E2	17-OCT-2009	09:33:10.462
EGOI_091017KSEP0583.E2	17-OCT-2009	11:12:47.069

EGOI_091017KSEP0615.E2	17-OCT-2009	12:52:01.175
EGOI_091017KSEP0628.E2	17-OCT-2009	14:30:52.782
EGOI_091017KSEP0642.E2	17-OCT-2009	16:08:35.385
EGOI_091017KSEP0673.E2	17-OCT-2009	17:46:31.481
EGOI_091017KSEP0709.E2	17-OCT-2009	19:24:30.582
EGOI_091017KSEP0744.E2	17-OCT-2009	21:04:34.197
EGOI_091017KSEP0766.E2	17-OCT-2009	22:47:09.323
EGOI_091017MAEP4935.E2	17-OCT-2009	09:40:52.509
EGOI_091017MIEP1635.E2	17-OCT-2009	02:29:01.864
EGOI_091017MIEP1659.E2	17-OCT-2009	04:08:03.975
EGOI_091017MIEP1683.E2	17-OCT-2009	14:49:13.892
EGOI_091017MIEP1712.E2	17-OCT-2009	16:27:11.499
EGOI_091017MSEP0842.E2	17-OCT-2009	00:48:14.749
EGOI_091017MSEP0862.E2	17-OCT-2009	11:25:51.651
EGOI_091017MSEP0886.E2	17-OCT-2009	13:06:28.265
EGOI_091017MSEP0913.E2	17-OCT-2009	22:34:51.253
EGOI_091017SGEP0482.E2	17-OCT-2009	03:09:21.611
EGOI_091017SGEP0492.E2	17-OCT-2009	04:50:44.733
EGOI_091017SGEP0499.E2	17-OCT-2009	14:07:33.145
EGOI_091017SGEP0507.E2	17-OCT-2009	15:44:36.736

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75768	17-OCT-2009	06:12:03.219	06:13:42.241	99.022000
KS	75769	17-OCT-2009	07:51:01.017	07:53:33.854	152.83700
KS	75770	17-OCT-2009	09:30:36.900	09:33:10.461	153.56100
KS	75771	17-OCT-2009	11:10:11.468	11:12:47.068	155.60000
KS	75772	17-OCT-2009	12:49:27.007	12:52:01.175	154.16800
KS	75773	17-OCT-2009	14:28:14.104	14:30:52.782	158.67800
KS	75774	17-OCT-2009	16:05:58.069	16:08:35.385	157.31600
KS	75775	17-OCT-2009	17:43:53.572	17:46:31.481	157.90900
KS	75776	17-OCT-2009	19:22:19.836	19:24:30.582	130.74600
KS	75777	17-OCT-2009	21:02:32.367	21:04:34.196	121.82900
KS	75778	17-OCT-2009	22:45:00.914	22:47:09.322	128.40800
GS	75765	17-OCT-2009	00:54:01.937	00:55:40.292	98.355000
GS	75766	17-OCT-2009	02:30:09.869	02:32:04.882	115.01300
GS	75767	17-OCT-2009	04:10:51.569	04:12:53.501	121.93200
MS	75765	17-OCT-2009	00:46:29.062	00:48:14.748	105.68600
MS	75771	17-OCT-2009	11:23:09.471	11:25:51.651	162.18000

MS	75772	17-OCT-2009	13:03:45.602	13:06:28.264	162.66200
MS	75778	17-OCT-2009	22:32:45.336	22:34:51.252	125.91600
MA	75770	17-OCT-2009	09:38:41.232	09:40:52.508	131.27600
MI	75766	17-OCT-2009	02:26:35.741	02:29:01.864	146.12300
MI	75767	17-OCT-2009	04:04:52.995	04:08:03.974	190.97900
MI	75773	17-OCT-2009	14:46:51.743	14:49:13.891	142.14800
MI	75774	17-OCT-2009	16:24:45.077	16:27:11.499	146.42200
BE	75767	17-OCT-2009	04:36:28.898	04:39:11.662	162.76400
SG	75766	17-OCT-2009	03:07:12.531	03:09:21.610	129.07900
SG	75767	17-OCT-2009	04:48:36.259	04:50:44.732	128.47300
SG	75772	17-OCT-2009	14:05:37.346	14:07:33.145	115.79900
SG	75773	17-OCT-2009	15:41:52.820	15:44:36.735	163.91500

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	75764	16-OCT-2009	23:57:58.437	00:12:29.487	871.05000
MM	75764	17-OCT-2009	00:08:57.289	00:20:18.728	681.43900
HO	75765	17-OCT-2009	01:39:30.672	01:50:39.868	669.19600
MM	75765	17-OCT-2009	01:51:06.423	02:00:33.886	567.46300
BE	75766	17-OCT-2009	02:56:02.123	03:09:26.614	804.49100
MM	75766	17-OCT-2009	03:34:05.233	03:41:11.390	426.15700
CM	75766	17-OCT-2009	04:03:27.295	04:15:52.516	745.22100
MM	75767	17-OCT-2009	05:16:55.918	05:22:42.336	346.41800
MM	75768	17-OCT-2009	06:58:30.312	07:05:30.699	420.38700
JO	75768	17-OCT-2009	06:39:43.885	06:49:24.341	580.45600
MM	75769	17-OCT-2009	08:39:09.101	08:48:30.580	561.47900
MA	75769	17-OCT-2009	08:01:42.967	08:10:09.416	506.44900
JO	75769	17-OCT-2009	08:15:39.811	08:30:41.483	901.67200
MM	75770	17-OCT-2009	10:19:24.779	10:30:42.283	677.50400
MM	75771	17-OCT-2009	11:59:26.420	12:11:49.385	742.96500
MA	75771	17-OCT-2009	11:19:35.232	11:28:08.896	513.66400
MM	75772	17-OCT-2009	13:39:14.212	13:51:57.817	763.60500
BE	75773	17-OCT-2009	14:12:39.857	14:26:04.308	804.45100
MM	75773	17-OCT-2009	15:18:46.299	15:31:25.094	758.79500
GS	75773	17-OCT-2009	14:40:00.385	14:50:53.533	653.14800

BE	75774	17-OCT-2009	15:55:42.728	16:03:16.679	453.95100
MM	75774	17-OCT-2009	16:58:02.559	17:10:34.290	751.73100
GS	75774	17-OCT-2009	16:18:48.906	16:32:36.400	827.49400
CM	75774	17-OCT-2009	16:27:25.738	16:39:50.997	745.25900
MM	75775	17-OCT-2009	18:37:10.573	18:49:46.168	755.59500
GS	75775	17-OCT-2009	17:59:24.524	18:08:44.994	560.47000
JO	75775	17-OCT-2009	19:00:16.445	19:06:30.544	374.09900
MM	75776	17-OCT-2009	20:16:28.407	20:29:12.059	763.65200
MA	75776	17-OCT-2009	19:19:03.592	19:27:39.454	515.86200
JO	75776	17-OCT-2009	20:35:44.772	20:50:43.866	899.09400
HO	75777	17-OCT-2009	21:51:29.029	22:00:32.919	543.89000
MM	75777	17-OCT-2009	21:56:19.661	22:08:54.378	754.71700
MA	75777	17-OCT-2009	20:54:15.176	21:07:57.406	822.23000
JO	75777	17-OCT-2009	22:16:33.860	22:27:23.005	649.14500
HO	75778	17-OCT-2009	23:26:55.038	23:41:11.638	856.60000
MM	75778	17-OCT-2009	23:37:04.387	23:48:51.253	706.86600
MA	75778	17-OCT-2009	22:39:11.059	22:45:05.640	354.58100

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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	South Polar View operations
Polarization Detectors	OK
FPA Temperatures A	OK

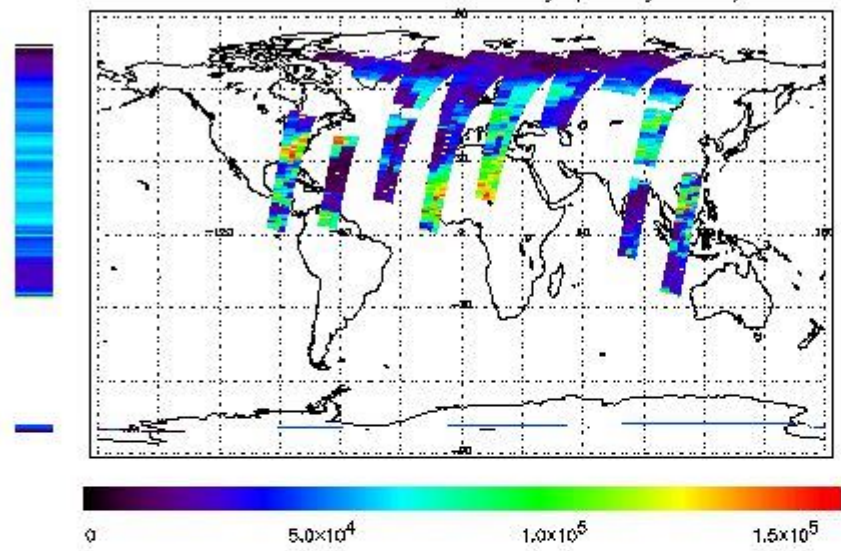
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 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

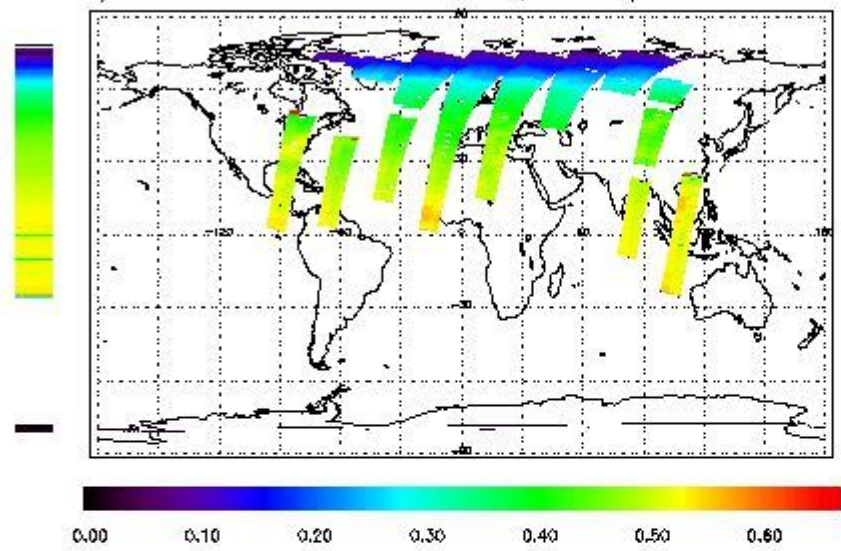
First Product : 17-OCT-2009 00:48:14.749 : ORBIT : 75765.0365

Last Product : 17-OCT-2009 22:58:43.893 : ORBIT : 75778.2621

Total Products Processed : 14075 Day : 290

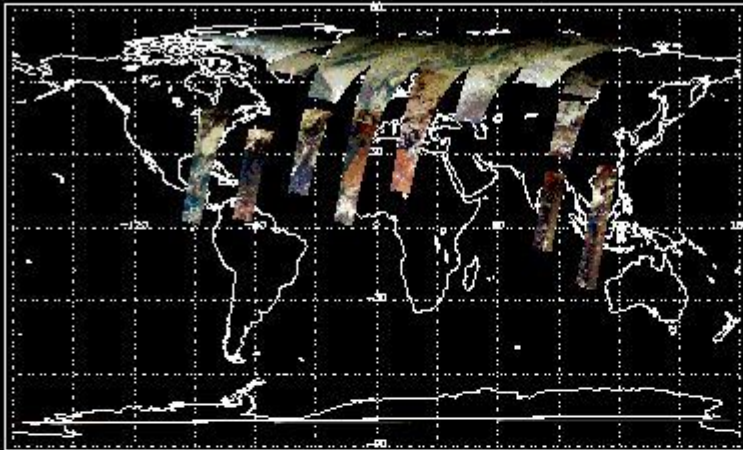
Page : 20

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	14:35:55.810	--	75773	Yes	--	15352

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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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