

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	23-OCT-2009
Start Time of First Product	01:00:44
Stop Time of Last Product	23:10:05
Number of EGOI Products analysed	31
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_091023BEEP0983.E2	23-OCT-2009	03:09:56.548
EGOI_091023BEEP0989.E2	23-OCT-2009	04:53:48.186
EGOI_091023BEEP0996.E2	23-OCT-2009	14:26:39.694
EGOI_091023GSEP1334.E2	23-OCT-2009	01:06:25.796
EGOI_091023GSEP1366.E2	23-OCT-2009	02:43:30.888
EGOI_091023GSEP1395.E2	23-OCT-2009	04:24:43.506
EGOI_091023GSEP1402.E2	23-OCT-2009	06:06:57.635
EGOI_091023KSEP2226.E2	23-OCT-2009	06:25:00.743
EGOI_091023KSEP2246.E2	23-OCT-2009	08:04:53.856

EGOI_091023KSEP2269.E2	23-OCT-2009	09:44:33.461
EGOI_091023KSEP2295.E2	23-OCT-2009	11:24:11.577
EGOI_091023KSEP2313.E2	23-OCT-2009	13:03:18.185
EGOI_091023KSEP2327.E2	23-OCT-2009	14:42:06.788
EGOI_091023KSEP2342.E2	23-OCT-2009	16:19:47.891
EGOI_091023KSEP2373.E2	23-OCT-2009	17:57:52.987
EGOI_091023KSEP2409.E2	23-OCT-2009	19:35:46.094
EGOI_091023KSEP2444.E2	23-OCT-2009	21:16:10.705
EGOI_091023KSEP2466.E2	23-OCT-2009	22:58:53.336
EGOI_091023MAEP5157.E2	23-OCT-2009	08:13:52.411
EGOI_091023MAEP5173.E2	23-OCT-2009	09:51:59.008
EGOI_091023MIEP2165.E2	23-OCT-2009	02:39:53.364
EGOI_091023MIEP2194.E2	23-OCT-2009	04:18:56.971
EGOI_091023MIEP2219.E2	23-OCT-2009	15:00:02.397
EGOI_091023MIEP2249.E2	23-OCT-2009	16:38:39.000
EGOI_091023MSEP1523.E2	23-OCT-2009	01:00:43.761
EGOI_091023MSEP1539.E2	23-OCT-2009	10:00:26.060
EGOI_091023MSEP1561.E2	23-OCT-2009	11:37:13.155
EGOI_091023MSEP1584.E2	23-OCT-2009	13:18:09.271
EGOI_091023MSEP1617.E2	23-OCT-2009	22:46:00.758
EGOI_091023SGEP0655.E2	23-OCT-2009	14:17:53.139
EGOI_091023SGEP0663.E2	23-OCT-2009	15:57:52.254

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75854	23-OCT-2009	06:23:15.385	06:25:00.742	105.35700
KS	75855	23-OCT-2009	08:02:23.343	08:04:53.856	150.51300
KS	75856	23-OCT-2009	09:42:00.122	09:44:33.461	153.33900
KS	75857	23-OCT-2009	11:21:33.406	11:24:11.576	158.17000
KS	75858	23-OCT-2009	13:00:45.564	13:03:18.184	152.62000
KS	75859	23-OCT-2009	14:39:28.863	14:42:06.787	157.92400
KS	75860	23-OCT-2009	16:17:09.058	16:19:47.890	158.83200
KS	75861	23-OCT-2009	17:55:00.885	17:57:52.987	172.10200
KS	75862	23-OCT-2009	19:33:41.381	19:35:46.094	124.71300
KS	75863	23-OCT-2009	21:14:07.335	21:16:10.705	123.37000
KS	75864	23-OCT-2009	22:56:54.810	22:58:53.336	118.52600
GS	75851	23-OCT-2009	01:04:44.471	01:06:25.795	101.32400
GS	75852	23-OCT-2009	02:41:23.554	02:43:30.887	127.33300
GS	75853	23-OCT-2009	04:22:44.875	04:24:43.505	118.63000
MS	75857	23-OCT-2009	11:34:30.473	11:37:13.155	162.68200

MS	75858	23-OCT-2009	13:15:33.701	13:18:09.271	155.57000
MS	75864	23-OCT-2009	22:43:53.333	22:46:00.758	127.42500
MA	75855	23-OCT-2009	08:11:57.013	08:13:52.411	115.39800
MA	75856	23-OCT-2009	09:50:02.640	09:51:59.007	116.36700
MI	75852	23-OCT-2009	02:37:27.824	02:39:53.363	145.53900
MI	75853	23-OCT-2009	04:16:33.628	04:18:56.971	143.34300
MI	75859	23-OCT-2009	14:57:42.110	15:00:02.396	140.28600
MI	75860	23-OCT-2009	16:36:14.692	16:38:38.999	144.30700
BE	75852	23-OCT-2009	03:07:23.467	03:09:56.547	153.08000
BE	75853	23-OCT-2009	04:48:11.049	04:53:48.185	337.13600
BE	75859	23-OCT-2009	14:24:04.912	14:26:39.693	154.78100
BE	75859	23-OCT-2009	14:29:27.708	14:37:23.842	476.13400
SG	75858	23-OCT-2009	14:16:00.870	14:17:53.139	112.26900
SG	75859	23-OCT-2009	15:53:22.092	15:57:52.253	270.16100

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	75850	23-OCT-2009	00:09:13.584	00:23:50.791	877.20700
MM	75850	23-OCT-2009	00:20:34.517	00:31:45.411	670.89400
HO	75851	23-OCT-2009	01:52:05.856	02:01:33.978	568.12200
MM	75851	23-OCT-2009	02:02:50.678	02:12:02.450	551.77200
MM	75852	23-OCT-2009	03:45:52.485	03:52:43.877	411.39200
SG	75852	23-OCT-2009	03:18:25.974	03:32:16.169	830.19500
CM	75852	23-OCT-2009	02:39:34.342	02:44:54.384	320.04200
CM	75852	23-OCT-2009	04:14:49.443	04:27:11.012	741.56900
MM	75853	23-OCT-2009	05:28:36.724	05:34:23.867	347.14300
SG	75853	23-OCT-2009	05:01:03.728	05:07:40.108	396.38000
MM	75854	23-OCT-2009	07:10:02.382	07:17:18.001	435.61900
JO	75854	23-OCT-2009	06:50:14.623	07:01:17.080	662.45700
MM	75855	23-OCT-2009	08:50:37.464	09:00:14.388	576.92400
JO	75855	23-OCT-2009	08:27:02.649	08:42:00.519	897.87000
MM	75856	23-OCT-2009	10:30:51.348	10:42:18.966	687.61800
MM	75857	23-OCT-2009	12:10:51.472	12:23:18.786	747.31400
MA	75857	23-OCT-2009	11:31:18.527	11:39:02.708	464.18100
MM	75858	23-OCT-2009	13:50:37.567	14:03:21.468	763.90100

MM	75859	23-OCT-2009	15:30:07.763	15:42:45.471	757.70800
GS	75859	23-OCT-2009	14:51:10.063	15:03:36.333	746.27000
CM	75859	23-OCT-2009	15:03:02.021	15:08:00.325	298.30400
MM	75860	23-OCT-2009	17:09:22.502	17:21:54.061	751.55900
GS	75860	23-OCT-2009	16:30:13.413	16:43:49.816	816.40300
CM	75860	23-OCT-2009	16:38:48.403	16:51:07.688	739.28500
MM	75861	23-OCT-2009	18:48:30.536	19:01:07.160	756.62400
GS	75861	23-OCT-2009	18:11:04.959	18:19:22.029	497.07000
JO	75861	23-OCT-2009	19:10:25.446	19:19:16.976	531.53000
MM	75862	23-OCT-2009	20:27:50.993	20:40:34.943	763.95000
MA	75862	23-OCT-2009	19:27:53.329	19:39:19.128	685.79900
JO	75862	23-OCT-2009	20:47:04.314	21:02:05.895	901.58100
HO	75863	23-OCT-2009	22:01:54.495	22:12:13.830	619.33500
MM	75863	23-OCT-2009	22:07:47.477	22:20:19.041	751.56400
MA	75863	23-OCT-2009	21:05:56.359	21:19:16.455	800.09600
JO	75863	23-OCT-2009	22:28:28.286	22:37:51.570	563.28400
HO	75864	23-OCT-2009	23:38:11.694	23:52:34.854	863.16000
MM	75864	23-OCT-2009	23:48:39.232	00:00:17.456	698.22400

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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

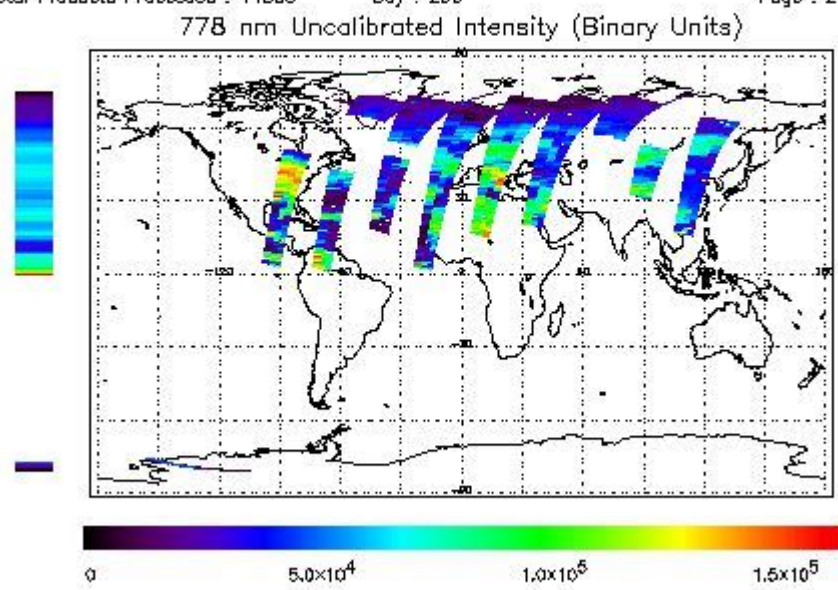
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected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

First Product : 23-OCT-2009 01:00:43.761 : ORBIT : 75851.0463
 Last Product : 23-OCT-2009 23:10:05.402 : ORBIT : 75864.2608
 Total Products Processed : 14355 Day : 296 Page : 21

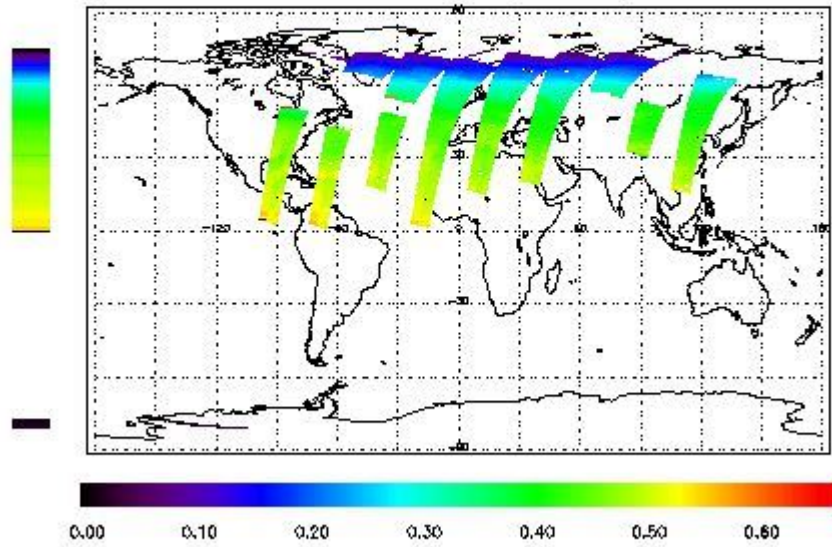


Ozone Line Ratio

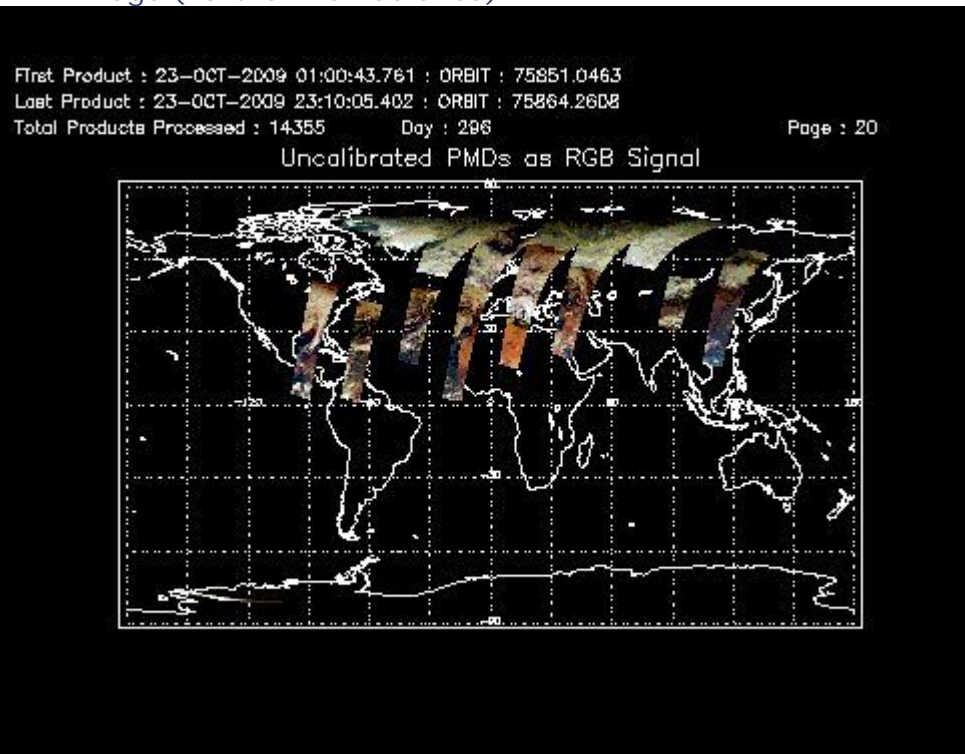
First Product : 23-OCT-2009 01:00:43.761 : ORBIT : 75851.0463
 Last Product : 23-OCT-2009 23:10:05.402 : ORBIT : 75864.2608
 Total Products Processed : 14355 Day : 296

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331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed



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	Warm Detector Temperature (TST/44)	Max PMD Readout during solar calibration (BU set 2/12)
D	11:26:53.580	--	75857	Yes	--	15418

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
--	--	--

5.3 - Power Cycle

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

5.4 - Wrong Command Execution

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

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