

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	22-OCT-2009
Start Time of First Product	23:48:58 (22-Oct)
Stop Time of Last Product	23:41:19
Number of EGOI Products analysed	32
Number of corrupted products	1
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_091022BEEP0969.E2	22-OCT-2009	02:02:35.318
EGOI_091022BEEP0977.E2	22-OCT-2009	03:41:31.425
EGOI_091022GSEP1270.E2	22-OCT-2009	01:36:38.158
EGOI_091022GSEP1298.E2	22-OCT-2009	03:14:50.757
EGOI_091022GSEP1308.E2	22-OCT-2009	04:57:34.889
EGOI_091022KSEP1934.E2	22-OCT-2009	00:05:22.597
EGOI_091022KSEP1950.E2	22-OCT-2009	06:56:13.113
EGOI_091022KSEP1971.E2	22-OCT-2009	08:36:13.725
EGOI_091022KSEP1993.E2	22-OCT-2009	10:15:53.334

EGOI_091022KSEP2018.E2	22-OCT-2009	11:55:25.445
EGOI_091022KSEP2037.E2	22-OCT-2009	13:34:23.053
EGOI_091022KSEP2065.E2	22-OCT-2009	15:13:02.655
EGOI_091022KSEP2087.E2	22-OCT-2009	16:50:31.751
EGOI_091022KSEP2120.E2	22-OCT-2009	18:28:24.852
EGOI_091022KSEP2156.E2	22-OCT-2009	20:07:14.959
EGOI_091022KSEP2188.E2	22-OCT-2009	21:48:15.582
EGOI_091022KSEP2216.E2	22-OCT-2009	23:31:37.212
EGOI_091022MAEP5111.E2	22-OCT-2009	08:44:18.279
EGOI_091022MAEP5125.E2	22-OCT-2009	10:23:17.377
EGOI_091022MAEP5146.E2	22-OCT-2009	20:00:50.920
EGOI_091022MIEP2069.E2	22-OCT-2009	03:10:14.729
EGOI_091022MIEP2094.E2	22-OCT-2009	04:51:43.852
EGOI_091022MIEP2114.E2	22-OCT-2009	15:30:34.261
EGOI_091022MSEP1392.E2	21-OCT-2009	23:48:58.495
EGOI_091022MSEP1416.E2	22-OCT-2009	10:30:20.420
EGOI_091022MSEP1445.E2	22-OCT-2009	12:08:19.523
EGOI_091022MSEP1472.E2	22-OCT-2009	21:40:29.035
EGOI_091022MSEP1504.E2	22-OCT-2009	23:17:20.622
EGOI_091022SGEP0623.E2	22-OCT-2009	02:14:53.393
EGOI_091022SGEP0632.E2	22-OCT-2009	03:52:02.988
EGOI_091022SGEP0640.E2	22-OCT-2009	14:50:23.515
EGOI_091022SGEP0647.E2	22-OCT-2009	16:28:16.614

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75836	22-OCT-2009	00:03:26.996	00:05:22.597	115.60100
KS	75840	22-OCT-2009	06:54:16.628	06:56:13.112	116.48400
KS	75841	22-OCT-2009	08:33:40.963	08:36:13.725	152.76200
KS	75842	22-OCT-2009	10:13:18.638	10:15:53.334	154.69600
KS	75843	22-OCT-2009	11:52:47.254	11:55:25.445	158.19100
KS	75844	22-OCT-2009	13:31:48.751	13:34:23.053	154.30200
KS	75845	22-OCT-2009	15:10:13.450	15:13:02.655	169.20500
KS	75846	22-OCT-2009	16:47:50.069	16:50:31.751	161.68200
KS	75847	22-OCT-2009	18:25:49.993	18:28:24.851	154.85800
KS	75848	22-OCT-2009	20:05:02.626	20:07:14.958	132.33200
KS	75849	22-OCT-2009	21:46:08.055	21:48:15.581	127.52600
KS	75850	22-OCT-2009	23:29:53.914	23:31:37.211	103.29700
GS	75837	22-OCT-2009	01:34:36.102	01:36:38.157	122.05500
GS	75838	22-OCT-2009	03:12:41.413	03:14:50.756	129.34300

MS	75836	21-OCT-2009	23:46:33.575	23:48:58.495	144.92000
MS	75842	22-OCT-2009	10:27:38.211	10:30:20.419	162.20800
MS	75843	22-OCT-2009	12:05:46.930	12:08:19.522	152.59200
MS	75850	22-OCT-2009	23:14:55.090	23:17:20.621	145.53100
MA	75841	22-OCT-2009	08:42:36.012	08:44:18.278	102.26600
MA	75842	22-OCT-2009	10:21:21.998	10:23:17.376	115.37800
MA	75848	22-OCT-2009	19:58:05.951	20:00:50.920	164.96900
MI	75838	22-OCT-2009	03:07:53.181	03:10:14.729	141.54800
MI	75839	22-OCT-2009	04:49:23.754	04:51:43.852	140.09800
MI	75845	22-OCT-2009	15:28:07.077	15:30:34.260	147.18300
MI	75846	22-OCT-2009	17:08:12.215	17:10:37.877	145.66200
BE	75837	22-OCT-2009	01:59:48.571	02:02:35.317	166.74600
BE	75838	22-OCT-2009	03:38:46.249	03:41:31.425	165.17600
SG	75837	22-OCT-2009	02:12:47.313	02:14:53.393	126.08000
SG	75838	22-OCT-2009	03:49:43.231	03:52:02.988	139.75700
SG	75844	22-OCT-2009	14:45:43.137	14:50:23.515	280.37800
SG	75845	22-OCT-2009	16:25:28.548	16:28:16.613	168.06500

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	75836	22-OCT-2009	00:40:48.126	00:54:59.712	851.58600
MM	75836	22-OCT-2009	00:52:36.326	01:03:14.730	638.40400
MM	75837	22-OCT-2009	02:35:10.544	02:43:37.591	507.04700
MM	75838	22-OCT-2009	04:18:15.989	04:24:32.332	376.34300
CM	75838	22-OCT-2009	03:08:07.776	03:18:10.881	603.10500
CM	75838	22-OCT-2009	04:46:36.453	04:57:51.962	675.50900
MM	75839	22-OCT-2009	06:00:37.769	06:06:38.694	360.92500
MM	75840	22-OCT-2009	07:41:42.552	07:49:42.569	480.01700
JO	75840	22-OCT-2009	07:19:54.515	07:33:24.721	810.20600
MM	75841	22-OCT-2009	09:22:09.210	09:32:26.031	616.82100
JO	75841	22-OCT-2009	08:58:44.868	09:12:51.854	846.98600
MM	75842	22-OCT-2009	11:02:18.531	11:14:10.384	711.85300
MM	75843	22-OCT-2009	12:42:14.412	12:54:50.789	756.37700
HO	75844	22-OCT-2009	14:31:02.244	14:42:51.051	708.80700
MM	75844	22-OCT-2009	14:21:55.703	14:34:38.970	763.26700

SG	75844	22-OCT-2009	14:45:43.137	14:58:30.021	766.88400
BE	75845	22-OCT-2009	14:55:51.336	15:08:21.188	749.85200
MM	75845	22-OCT-2009	16:01:20.727	16:13:55.596	754.86900
GS	75845	22-OCT-2009	15:22:04.839	15:35:37.794	812.95500
CM	75845	22-OCT-2009	15:31:46.187	15:41:55.446	609.25900
MM	75846	22-OCT-2009	17:40:31.897	17:53:03.860	751.96300
GS	75846	22-OCT-2009	17:01:41.775	17:14:24.185	762.41000
CM	75846	22-OCT-2009	17:10:28.923	17:21:37.723	668.80000
MM	75847	22-OCT-2009	19:19:41.356	19:32:20.952	759.59600
JO	75847	22-OCT-2009	19:39:58.244	19:52:38.372	760.12800
MM	75848	22-OCT-2009	20:59:10.669	21:11:53.977	763.30800
JO	75848	22-OCT-2009	21:18:27.072	21:32:58.333	871.26100
HO	75849	22-OCT-2009	22:31:35.752	22:43:58.984	743.23200
MM	75849	22-OCT-2009	22:39:22.803	22:51:42.801	739.99800
MA	75849	22-OCT-2009	21:37:41.033	21:50:26.396	765.36300

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1.5 - List of corrupted products

Station	Orbit	Time
MI	75846	03:03:23.261

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

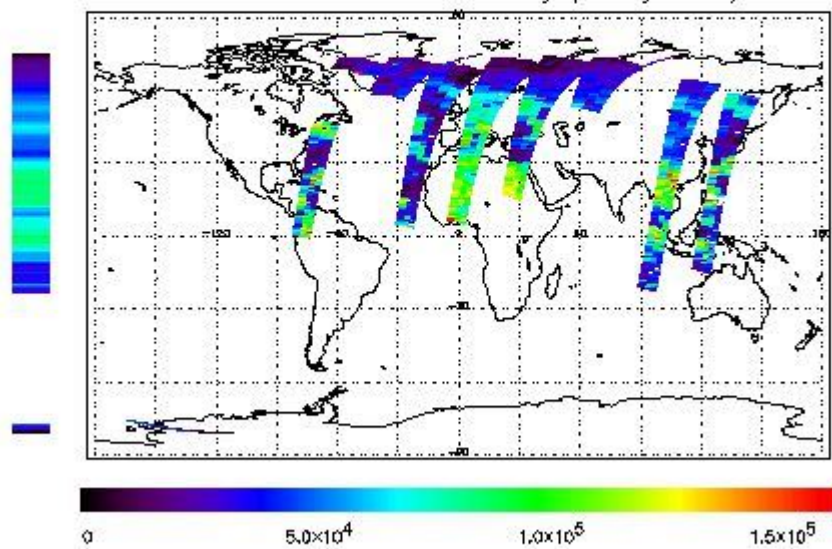
2.2 - Daily Plots

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

FRet Product : 21-OCT-2009 23:48:58.405 : ORBIT : 75836.0187
 Last Product : 22-OCT-2009 23:41:19.270 : ORBIT : 75850.2589
 Total Products Processed : 15741 Day : 295 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

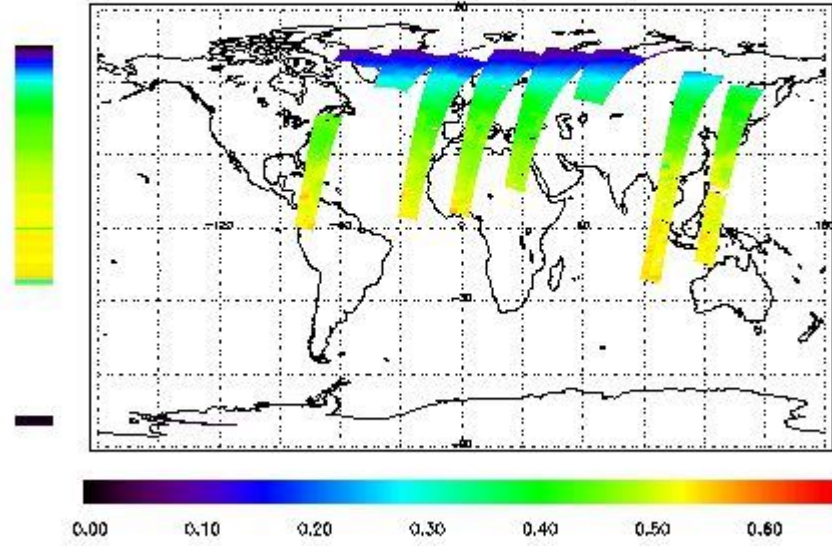


Ozone Line Ratio

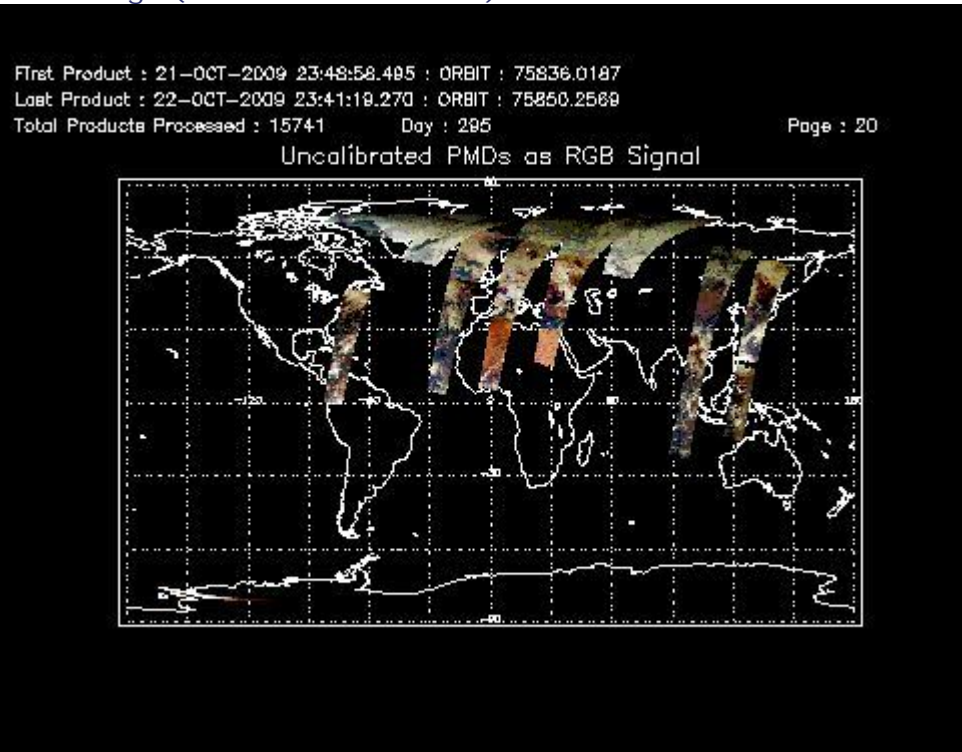
First Product : 21-OCT-2009 23:48:58.495 : ORBIT : 75836.0187
 Last Product : 22-OCT-2009 23:41:19.270 : ORBIT : 75850.2569
 Total Products Processed : 15741 Day : 295

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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	11:58:26.960,	--	75843	Yes	--	15434

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