

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Time of Report Generation	28-JUN-2009
Start Time of First Product	23:49:01(27-JUN-2009)
Stop Time of Last Product	23:21:52
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_090628GSEP3308.E2	28-JUN-2009	02:20:51.847
EGOI_090628GSEP3333.E2	28-JUN-2009	04:01:01.460
EGOI_090628GSEP3340.E2	28-JUN-2009	05:43:36.582
EGOI_090628HLEP1676.E2	27-JUN-2009	23:49:01.424
EGOI_090628HLEP1684.E2	28-JUN-2009	01:30:02.043
EGOI_090628HLEP1691.E2	28-JUN-2009	12:09:14.922
EGOI_090628HLEP1699.E2	28-JUN-2009	13:48:03.524
EGOI_090628HLEP1708.E2	28-JUN-2009	21:43:25.911
EGOI_090628HLEP1716.E2	28-JUN-2009	23:18:05.487

EGOI_090628KSEP1133.E2	28-JUN-2009	07:41:43.300
EGOI_090628KSEP1156.E2	28-JUN-2009	09:21:37.905
EGOI_090628KSEP1181.E2	28-JUN-2009	11:01:16.008
EGOI_090628KSEP1208.E2	28-JUN-2009	12:40:33.109
EGOI_090628KSEP1225.E2	28-JUN-2009	14:19:30.716
EGOI_090628KSEP1244.E2	28-JUN-2009	15:57:23.807
EGOI_090628KSEP1274.E2	28-JUN-2009	17:35:12.406
EGOI_090628KSEP1310.E2	28-JUN-2009	19:13:17.496
EGOI_090628KSEP1343.E2	28-JUN-2009	20:53:10.606
EGOI_090628KSEP1373.E2	28-JUN-2009	22:35:33.724
EGOI_090628MAEP1135.E2	28-JUN-2009	09:29:18.452
EGOI_090628MAEP1142.E2	28-JUN-2009	11:08:59.555
EGOI_090628MIEP2460.E2	28-JUN-2009	02:18:02.332
EGOI_090628MIEP2473.E2	28-JUN-2009	03:56:20.929
EGOI_090628MIEP2493.E2	28-JUN-2009	14:37:41.321
EGOI_090628MIEP2521.E2	28-JUN-2009	16:15:16.416
EGOI_090628MIEP2538.E2	28-JUN-2009	18:00:09.550
EGOI_090628MSEP8392.E2	28-JUN-2009	00:36:03.214
EGOI_090628MSEP8415.E2	28-JUN-2009	11:14:23.586
EGOI_090628MSEP8440.E2	28-JUN-2009	12:54:21.192
EGOI_090628MSEP8472.E2	28-JUN-2009	22:23:50.154
EGOI_090628SGEP7903.E2	28-JUN-2009	13:57:14.079
EGOI_090628SGEP7912.E2	28-JUN-2009	15:39:58.201

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	74180	28-JUN-2009	07:39:39.028	07:41:43.299	124.27100
KS	74181	28-JUN-2009	09:19:13.653	09:21:37.904	144.25100
KS	74182	28-JUN-2009	10:58:49.286	11:01:16.007	146.72100
KS	74183	28-JUN-2009	12:38:07.943	12:40:33.108	145.16500
KS	74184	28-JUN-2009	14:16:58.792	14:19:30.716	151.92400
KS	74185	28-JUN-2009	15:54:48.259	15:57:23.806	155.54700
KS	74186	28-JUN-2009	17:32:42.983	17:35:12.405	149.42200
KS	74187	28-JUN-2009	19:10:59.559	19:13:17.496	137.93700
KS	74188	28-JUN-2009	20:50:59.150	20:53:10.605	131.45500
KS	74189	28-JUN-2009	22:33:09.667	22:35:33.723	144.05600
GS	74178	28-JUN-2009	03:59:04.242	04:01:01.460	117.21800
MS	74176	28-JUN-2009	00:34:04.809	00:36:03.213	118.40400
MS	74182	28-JUN-2009	11:11:53.485	11:14:23.585	150.10000
MS	74183	28-JUN-2009	12:51:59.855	12:54:21.192	141.33700

MS	74189	28-JUN-2009	22:21:42.515	22:23:50.154	127.63900
MA	74181	28-JUN-2009	09:27:21.834	09:29:18.451	116.61700
MA	74182	28-JUN-2009	11:07:53.206	11:08:59.554	66.348000
MI	74177	28-JUN-2009	02:15:51.660	02:18:02.331	130.67100
MI	74178	28-JUN-2009	03:53:18.516	03:56:20.928	182.41200
MI	74178	28-JUN-2009	04:04:22.479	04:06:21.637	119.15800
MI	74184	28-JUN-2009	14:36:13.806	14:37:41.321	87.515000
MI	74185	28-JUN-2009	16:13:18.836	16:15:16.416	117.58000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	74175	27-JUN-2009	23:57:20.931	00:08:52.221	691.29000
MM	74176	28-JUN-2009	01:39:22.865	01:49:05.588	582.72300
GS	74176	28-JUN-2009	00:43:25.572	00:51:35.802	490.23000
BE	74177	28-JUN-2009	02:44:42.659	02:58:01.416	798.75700
MM	74177	28-JUN-2009	03:22:17.927	03:29:39.568	441.64100
SG	74177	28-JUN-2009	02:56:04.400	03:09:18.750	794.35000
CM	74177	28-JUN-2009	03:52:10.771	04:04:29.722	738.95100
BE	74178	28-JUN-2009	04:24:50.997	04:35:38.348	647.35100
MM	74178	28-JUN-2009	05:05:13.935	05:11:01.991	348.05600
SG	74178	28-JUN-2009	04:36:30.701	04:47:01.987	631.28600
MM	74179	28-JUN-2009	06:46:57.541	06:53:43.503	405.96200
KS	74179	28-JUN-2009	06:00:56.055	06:06:04.011	307.95600
CM	74179	28-JUN-2009	05:35:14.634	05:40:19.318	304.68400
JO	74179	28-JUN-2009	06:29:27.685	06:37:19.847	472.16200
MM	74180	28-JUN-2009	08:27:40.461	08:36:46.098	545.63700
JO	74180	28-JUN-2009	08:04:21.440	08:19:19.691	898.25100
MM	74181	28-JUN-2009	10:07:58.035	10:19:04.734	666.69900
JO	74181	28-JUN-2009	09:46:18.584	09:56:38.896	620.31200
MM	74182	28-JUN-2009	11:48:01.190	12:00:19.207	738.01700
MM	74183	28-JUN-2009	13:27:50.649	13:40:33.619	762.97000
BE	74184	28-JUN-2009	14:01:18.840	14:14:42.896	804.05600
HO	74184	28-JUN-2009	15:17:38.210	15:25:29.829	471.61900
MM	74184	28-JUN-2009	15:07:24.620	15:20:04.481	759.86100
GS	74184	28-JUN-2009	14:28:54.355	14:39:54.513	660.15800

BE	74185	28-JUN-2009	15:43:23.802	15:52:33.438	549.63600
MM	74185	28-JUN-2009	16:46:42.497	16:59:14.564	752.06700
GS	74185	28-JUN-2009	16:07:25.544	16:21:19.626	834.08200
CM	74185	28-JUN-2009	16:16:07.372	16:28:28.679	741.30700
MM	74186	28-JUN-2009	18:25:50.728	18:38:25.366	754.63800
GS	74186	28-JUN-2009	17:47:47.675	17:58:01.921	614.24600
CM	74186	28-JUN-2009	17:58:21.427	18:03:46.808	325.38100
MM	74187	28-JUN-2009	20:05:06.262	20:17:49.394	763.13200
MA	74187	28-JUN-2009	19:08:33.312	19:15:54.620	441.30800
JO	74187	28-JUN-2009	20:24:28.113	20:39:17.288	889.17500
MM	74188	28-JUN-2009	21:44:52.553	21:57:29.904	757.35100
MA	74188	28-JUN-2009	20:42:54.083	20:56:36.205	822.12200
JO	74188	28-JUN-2009	22:04:47.370	22:16:43.865	716.49500
MM	74189	28-JUN-2009	23:25:30.399	23:37:25.222	714.82300
MA	74189	28-JUN-2009	22:26:36.303	22:34:29.668	473.36500

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1.5 - List of corrupted products

Station	Orbit	Time
MS	74189	22:23:51.

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

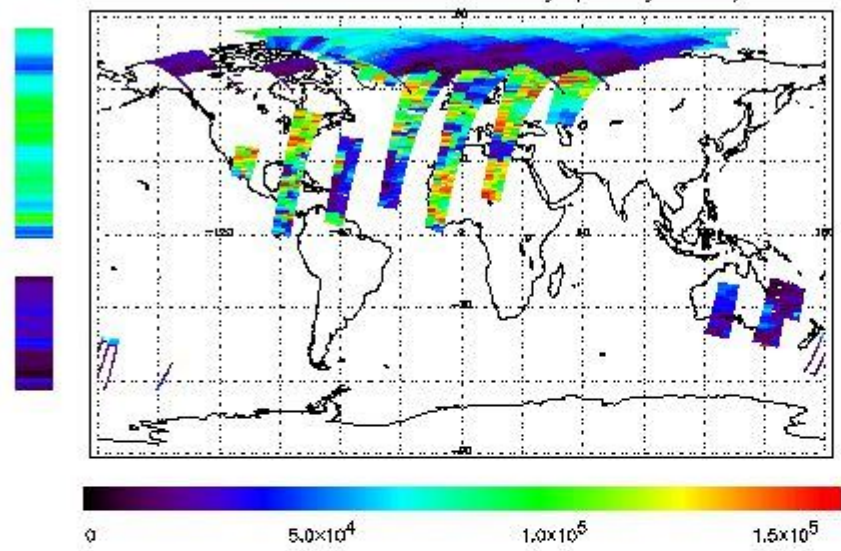
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	Ok
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 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

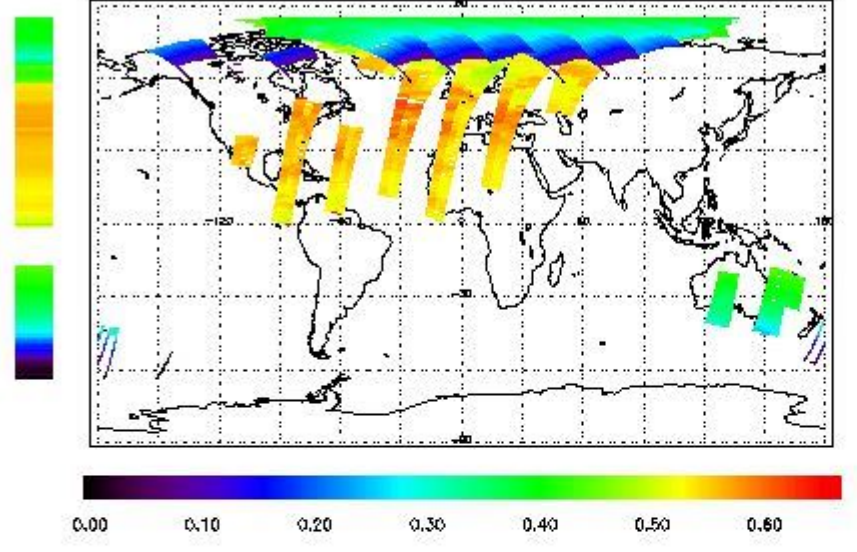
778 nm Uncalibrated Intensity (Binary Units)



Ozone Line Ratio

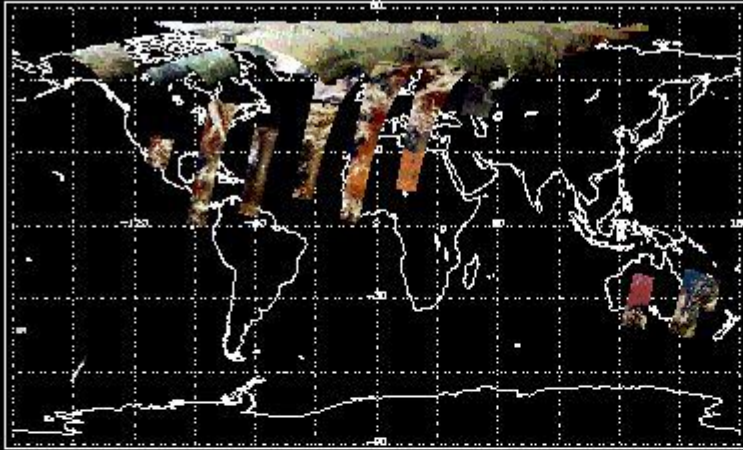
First Product : 27-JUN-2009 23:48:01.424 : ORBIT : 74175.5621
Last Product : 28-JUN-2009 23:21:52.010 : ORBIT : 74189.6064
Total Products Processed : 13427 Day : 179

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	19:16:20.510	--	74187	Y	--	14530

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)
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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
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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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