

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Time of Report Generation	20-JUN-2009
Start Time of First Product	19-JUN-2009 00:18:05
Stop Time of Last Product	19-JUN-2009 23:08:28
Number of EGOI Products analysed	34
Number of corrupted products	1
Anomalies and/or Special Operations	GOME Single Event Upset (SEU) fixed with Power Cycle(GMN11)starting from ca 10:00

1.2 - List of received products

Name	Date	Time
EGOI_090619BEEP0101.E2	19-JUN-2009	04:09:57.687
EGOI_090619GSEP2640.E2	19-JUN-2009	02:03:55.421
EGOI_090619GSEP2671.E2	19-JUN-2009	03:43:17.027
EGOI_090619GSEP2681.E2	19-JUN-2009	05:26:14.648
EGOI_090619HLEP1379.E2	19-JUN-2009	01:12:11.609
EGOI_090619HLEP1388.E2	19-JUN-2009	15:02:12.732
EGOI_090619HLEP1396.E2	19-JUN-2009	23:01:36.643
EGOI_090619KSEP9044.E2	19-JUN-2009	07:24:34.869
EGOI_090619KSEP9067.E2	19-JUN-2009	09:04:32.476

EGOI_090619KSEP9092.E2	19-JUN-2009	10:44:11.164
EGOI_090619KSEP9119.E2	19-JUN-2009	12:23:32.767
EGOI_090619KSEP9140.E2	19-JUN-2009	14:02:31.869
EGOI_090619KSEP9154.E2	19-JUN-2009	15:40:30.963
EGOI_090619KSEP9173.E2	19-JUN-2009	17:18:21.057
EGOI_090619KSEP9198.E2	19-JUN-2009	18:56:12.652
EGOI_090619KSEP9232.E2	19-JUN-2009	20:35:41.755
EGOI_090619KSEP9262.E2	19-JUN-2009	22:17:46.877
EGOI_090619MAEP0825.E2	19-JUN-2009	09:12:20.523
EGOI_090619MAEP0834.E2	19-JUN-2009	10:51:47.207
EGOI_090619MAEP0840.E2	19-JUN-2009	18:56:09.652
EGOI_090619MIEP1513.E2	19-JUN-2009	02:01:28.406
EGOI_090619MIEP1541.E2	19-JUN-2009	03:39:20.003
EGOI_090619MIEP1558.E2	19-JUN-2009	05:21:49.121
EGOI_090619MIEP1575.E2	19-JUN-2009	14:21:46.986
EGOI_090619MIEP1586.E2	19-JUN-2009	15:58:17.569
EGOI_090619MIEP1608.E2	19-JUN-2009	17:39:36.186
EGOI_090619MSEP7326.E2	19-JUN-2009	00:18:05.280
EGOI_090619MSEP7348.E2	19-JUN-2009	10:57:30.742
EGOI_090619MSEP7376.E2	19-JUN-2009	12:36:55.349
EGOI_090619MSEP7407.E2	19-JUN-2009	22:07:10.811
EGOI_090619SGEP7685.E2	19-JUN-2009	02:41:52.648
EGOI_090619SGEP7691.E2	19-JUN-2009	04:30:05.308
EGOI_090619SGEP7696.E2	19-JUN-2009	15:15:57.815
EGOI_090619SGEP7706.E2	19-JUN-2009	16:58:14.936

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	74051	19-JUN-2009	07:22:36.880	07:24:34.869	117.98900
KS	74052	19-JUN-2009	09:02:08.792	09:04:32.475	143.68300
KS	74053	19-JUN-2009	10:41:45.614	10:44:11.163	145.54900
KS	74054	19-JUN-2009	12:21:08.466	12:23:32.767	144.30100
KS	74055	19-JUN-2009	14:00:02.225	14:02:31.868	149.64300
KS	74056	19-JUN-2009	15:38:03.113	15:40:30.962	147.84900
KS	74057	19-JUN-2009	17:15:52.303	17:18:21.057	148.75400
KS	74058	19-JUN-2009	18:54:01.404	18:56:12.651	131.24700
KS	74059	19-JUN-2009	20:33:42.476	20:35:41.754	119.27800
KS	74060	19-JUN-2009	22:15:27.380	22:17:46.877	139.49700
GS	74048	19-JUN-2009	02:02:10.721	02:03:55.420	104.69900
GS	74049	19-JUN-2009	03:41:32.707	03:43:17.027	104.32000

MS	74047	19-JUN-2009	00:15:58.649	00:18:05.279	126.63000
MS	74053	19-JUN-2009	10:55:03.358	10:57:30.741	147.38300
MS	74054	19-JUN-2009	12:34:29.072	12:36:55.348	146.27600
MS	74060	19-JUN-2009	22:05:19.133	22:07:10.811	111.67800
MS	74061	19-JUN-2009	23:43:39.328	23:45:51.908	132.58000
MA	74052	19-JUN-2009	09:11:10.086	09:12:20.523	70.437000
MA	74053	19-JUN-2009	10:49:55.175	10:51:47.207	112.03200
MA	74058	19-JUN-2009	18:53:07.926	18:56:09.652	181.72600
MI	74048	19-JUN-2009	02:00:06.473	02:01:28.406	81.933000
MI	74049	19-JUN-2009	03:36:07.040	03:39:20.002	192.96200
MI	74056	19-JUN-2009	15:56:15.539	15:58:17.568	122.02900
MI	74057	19-JUN-2009	17:38:02.794	17:39:36.185	93.391000
BE	74049	19-JUN-2009	04:07:29.938	04:09:57.687	147.74900
SG	74048	19-JUN-2009	02:39:33.717	02:41:52.647	138.93000
SG	74048	19-JUN-2009	02:43:16.658	02:51:50.757	514.09900
SG	74049	19-JUN-2009	04:18:44.344	04:30:05.307	680.96300
SG	74055	19-JUN-2009	15:13:31.603	15:15:57.815	146.21200
SG	74056	19-JUN-2009	16:55:47.667	16:58:14.935	147.26800

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	74047	19-JUN-2009	01:21:48.923	01:31:53.599	604.67600
BE	74048	19-JUN-2009	02:27:47.388	02:40:45.644	778.25600
MM	74048	19-JUN-2009	03:04:37.145	03:12:22.926	465.78100
CM	74048	19-JUN-2009	03:35:26.860	03:47:17.369	710.50900
MM	74049	19-JUN-2009	04:47:38.911	04:53:33.723	354.81200
MM	74050	19-JUN-2009	06:29:36.889	06:36:03.218	386.32900
CM	74050	19-JUN-2009	05:16:24.640	05:24:57.969	513.32900
MM	74051	19-JUN-2009	08:10:26.929	08:19:08.229	521.30000
JO	74051	19-JUN-2009	07:47:32.306	08:02:11.956	879.65000
MM	74052	19-JUN-2009	09:50:47.584	10:01:36.801	649.21700
JO	74052	19-JUN-2009	09:28:12.123	09:40:27.174	735.05100
MM	74053	19-JUN-2009	11:30:53.019	11:43:02.444	729.42500
MM	74054	19-JUN-2009	13:10:44.925	13:23:26.236	761.31100
MM	74055	19-JUN-2009	14:50:21.689	15:03:03.045	761.35600

GS	74055	19-JUN-2009	14:12:25.203	14:21:48.929	563.72600
BE	74056	19-JUN-2009	15:25:19.498	15:36:09.117	649.61900
MM	74056	19-JUN-2009	16:29:42.146	16:42:15.010	752.86400
GS	74056	19-JUN-2009	15:50:22.742	16:04:18.103	835.36100
CM	74056	19-JUN-2009	15:59:18.439	16:11:14.282	715.84300
MM	74057	19-JUN-2009	18:08:51.112	18:21:24.502	753.39000
GS	74057	19-JUN-2009	17:30:27.135	17:41:48.041	680.90600
CM	74057	19-JUN-2009	17:39:57.494	17:48:29.081	511.58700
MM	74058	19-JUN-2009	19:48:03.790	20:00:45.816	762.02600
JO	74058	19-JUN-2009	20:07:39.147	20:21:58.384	859.23700
MM	74059	19-JUN-2009	21:27:43.162	21:40:23.553	760.39100
MA	74059	19-JUN-2009	20:25:59.226	20:39:45.062	825.83600
JO	74059	19-JUN-2009	21:47:17.714	22:00:30.487	792.77300
MM	74060	19-JUN-2009	23:08:11.001	23:20:16.490	725.48900
MA	74060	19-JUN-2009	22:08:21.725	22:18:10.474	588.74900

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1.5 - List of corrupted products

Station	Orbit	Time
MI	74048	02:01:32.905
MI	74048	02:02:02.909

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

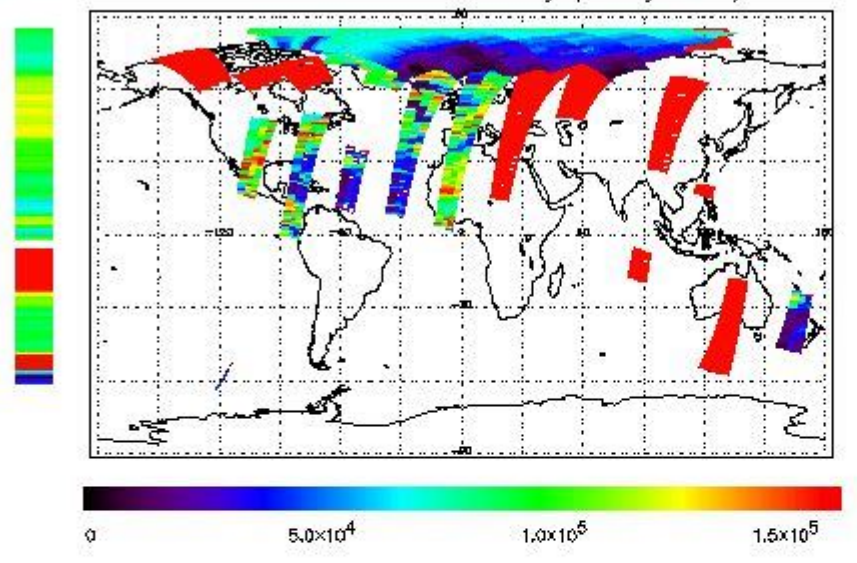
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	Ok
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	OK
331/338 nm Uncal. Line Ratio	Anomalous values
Uncal. PMDs as RGB signal	OK
780 nm Uncal. Intensity	Anomalous values

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

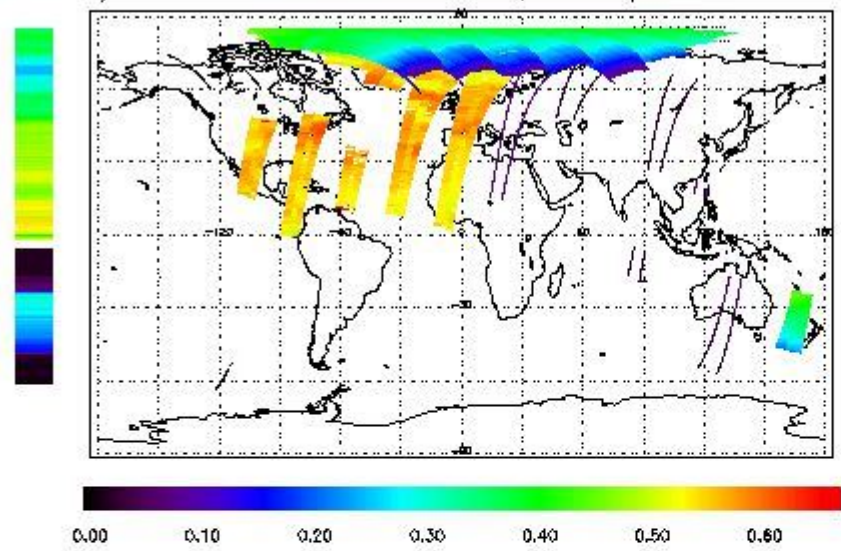
First Product : 19-JUN-2009 00:18:05.280 : ORBIT : 74047.0224

Last Product : 19-JUN-2009 23:08:27.882 : ORBIT : 74080.6446

Total Products Processed : 15042 Day : 170

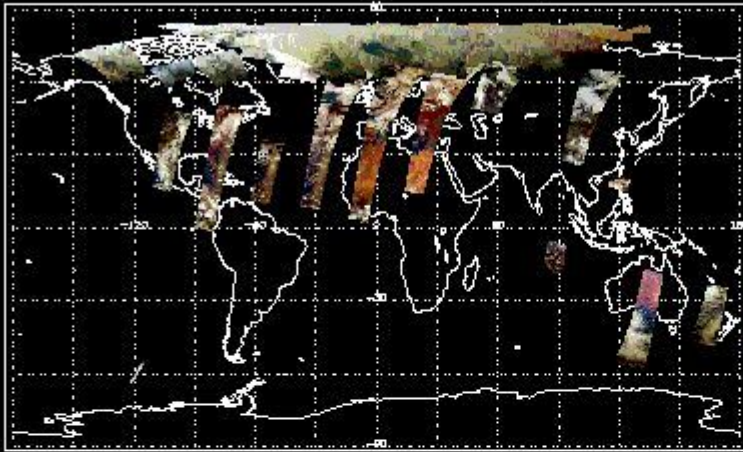
Page : 20

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 (Y/NS/NE)	Warm Detector Temperature (TST/44)	Max PMD Readout during solar calibration (BU set 2/12)
D	17:18:31.550	--	74057	Y	--	14490

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)
14:00 (18-JUN)	10:00 (19-JUN)	74041	74053	Y

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)
10:01:36	--	74052	--	NS

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
--	--	--	--

5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	Orbit End
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