

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	14-FEB-2011
Start Time of First Product	00:23:26
Stop Time of Last Product	23:45:09
Number of EGOI Products analysed	33
Number of corrupted products	--
Anomalies and/or Special Operations	GOME anomaly (SEU) occurred starting from 10:30:05; the anomaly was cured with a power cycle at 11:38:25; data were nominal after; no calibration measurements available due to GOME anomaly; Narrow Swath performed as planned, start orbit: 82725

1.2 - List of received products

Name	Date	Time
EGOI_110214CMEP4098.E2	14-FEB-2011	03:23:13.524
EGOI_110214CMEP4105.E2	14-FEB-2011	05:06:06.654
EGOI_110214CMEP4116.E2	14-FEB-2011	15:47:07.905
EGOI_110214CMEP4122.E2	14-FEB-2011	17:26:31.039
EGOI_110214GSEP5833.E2	14-FEB-2011	01:50:09.952
EGOI_110214GSEP5861.E2	14-FEB-2011	03:29:00.059
EGOI_110214GSEP5871.E2	14-FEB-2011	05:11:51.690
EGOI_110214KSEP1932.E2	14-FEB-2011	07:10:26.918
EGOI_110214KSEP1952.E2	14-FEB-2011	08:50:24.533
EGOI_110214KSEP1973.E2	14-FEB-2011	10:30:05.085
EGOI_110214KSEP2003.E2	14-FEB-2011	12:09:31.165
EGOI_110214KSEP2016.E2	14-FEB-2011	13:48:29.640
EGOI_110214KSEP2041.E2	14-FEB-2011	15:26:37.775
EGOI_110214KSEP2070.E2	14-FEB-2011	17:04:45.906
EGOI_110214KSEP2101.E2	14-FEB-2011	18:42:22.525
EGOI_110214KSEP2133.E2	14-FEB-2011	20:21:24.658
EGOI_110214KSEP2162.E2	14-FEB-2011	22:02:52.308
EGOI_110214MAEP2794.E2	14-FEB-2011	08:57:45.576
EGOI_110214MAEP2804.E2	14-FEB-2011	10:37:35.132
EGOI_110214MIEP3264.E2	14-FEB-2011	01:49:41.448
EGOI_110214MIEP3289.E2	14-FEB-2011	03:24:21.032
EGOI_110214MIEP3312.E2	14-FEB-2011	05:07:08.162
EGOI_110214MIEP3322.E2	14-FEB-2011	15:44:36.385
EGOI_110214MIEP3345.E2	14-FEB-2011	17:25:20.532
EGOI_110214MSEP7114.E2	14-FEB-2011	00:03:25.801
EGOI_110214MSEP7136.E2	14-FEB-2011	10:43:59.171
EGOI_110214MSEP7164.E2	14-FEB-2011	12:22:50.755
EGOI_110214MSEP7193.E2	14-FEB-2011	21:53:43.249
EGOI_110214MSEP7224.E2	14-FEB-2011	23:32:03.369
EGOI_110214SGEP1519.E2	14-FEB-2011	02:28:31.191
EGOI_110214SGEP1524.E2	14-FEB-2011	04:06:42.290
EGOI_110214SGEP1529.E2	14-FEB-2011	15:13:54.193
EGOI_110214SGEP1535.E2	14-FEB-2011	16:49:23.305

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82711	14-FEB-2011	07:08:26.113	07:10:26.918	120.80500
KS	82712	14-FEB-2011	08:47:54.814	08:50:24.532	149.71800
KS	82713	14-FEB-2011	10:27:32.244	10:30:05.084	152.84000
KS	82714	14-FEB-2011	12:06:58.166	12:09:31.165	152.99900
KS	82715	14-FEB-2011	13:45:54.169	13:48:29.640	155.47100

KS	82716	14-FEB-2011	15:24:04.925	15:26:37.775	152.85000
KS	82717	14-FEB-2011	17:01:47.066	17:04:45.906	178.84000
KS	82718	14-FEB-2011	18:39:54.884	18:42:22.525	147.64100
KS	82719	14-FEB-2011	20:19:21.352	20:21:24.657	123.30500
KS	82720	14-FEB-2011	22:00:46.055	22:02:52.308	126.25300
KS	82721	14-FEB-2011	23:45:03.262	23:46:45.467	102.20500
GS	82708	14-FEB-2011	01:48:20.584	01:50:09.951	109.36700
GS	82709	14-FEB-2011	03:27:03.983	03:29:00.059	116.07600
MS	82707	14-FEB-2011	00:01:10.535	00:03:25.801	135.26600
MS	82713	14-FEB-2011	10:41:22.008	10:43:59.170	157.16200
MS	82714	14-FEB-2011	12:20:09.512	12:22:50.754	161.24200
MS	82720	14-FEB-2011	21:51:51.567	21:53:43.249	111.68200
MS	82721	14-FEB-2011	23:29:13.237	23:32:03.369	170.13200
MA	82713	14-FEB-2011	10:35:32.501	10:37:35.132	122.63100
MI	82708	14-FEB-2011	01:47:35.463	01:49:41.448	125.98500
MI	82709	14-FEB-2011	03:21:56.220	03:24:21.031	144.81100
MI	82710	14-FEB-2011	05:04:57.308	05:07:08.161	130.85300
MI	82716	14-FEB-2011	15:42:08.473	15:44:36.385	147.91200
MI	82717	14-FEB-2011	17:22:58.626	17:25:20.531	141.90500
SG	82708	14-FEB-2011	02:26:01.547	02:28:31.190	149.64300
SG	82708	14-FEB-2011	02:31:19.205	02:37:04.768	345.56300
SG	82709	14-FEB-2011	04:04:09.140	04:06:42.289	153.14900
SG	82709	14-FEB-2011	04:11:19.816	04:17:09.924	350.10800
CM	82709	14-FEB-2011	03:21:41.266	03:23:13.524	92.258000
CM	82716	14-FEB-2011	15:45:26.865	15:47:07.904	101.03900
CM	82717	14-FEB-2011	17:25:06.593	17:26:31.039	84.446000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	82707	14-FEB-2011	00:55:21.546	01:09:00.232	818.68600
MM	82707	14-FEB-2011	01:07:11.988	01:17:34.001	622.01300
KS	82707	14-FEB-2011	00:19:08.034	00:22:13.762	185.72800
BE	82708	14-FEB-2011	02:13:45.563	02:26:14.534	748.97100
MM	82708	14-FEB-2011	02:49:53.563	02:57:59.923	486.36000
BE	82709	14-FEB-2011	03:53:06.529	04:05:32.594	746.06500

MM	82709	14-FEB-2011	04:32:58.070	04:39:02.177	364.10700
MM	82710	14-FEB-2011	06:15:08.127	06:21:20.439	372.31200
MM	82711	14-FEB-2011	07:56:05.055	08:04:25.749	500.69400
JO	82711	14-FEB-2011	07:33:39.416	07:47:50.739	851.32300
MM	82712	14-FEB-2011	09:36:28.554	09:47:02.068	633.51400
JO	82712	14-FEB-2011	09:13:23.087	09:26:43.724	800.63700
HO	82713	14-FEB-2011	11:26:47.400	11:38:07.308	679.90800
MM	82713	14-FEB-2011	11:16:35.913	11:28:37.071	721.15800
HO	82714	14-FEB-2011	13:05:03.806	13:19:53.130	889.32400
MM	82714	14-FEB-2011	12:56:29.821	13:09:09.027	759.20600
HO	82715	14-FEB-2011	14:45:30.911	14:55:43.007	612.09600
MM	82715	14-FEB-2011	14:36:08.869	14:48:51.298	762.42900
GS	82715	14-FEB-2011	13:58:56.400	14:06:24.181	447.78100
SG	82715	14-FEB-2011	14:59:32.893	15:12:58.604	805.71100
BE	82716	14-FEB-2011	15:10:30.470	15:22:18.339	707.86900
MM	82716	14-FEB-2011	16:15:31.581	16:28:05.353	753.77200
GS	82716	14-FEB-2011	15:36:12.640	15:50:00.829	828.18900
MM	82717	14-FEB-2011	17:54:41.505	18:07:14.067	752.56200
GS	82717	14-FEB-2011	17:16:03.277	17:28:09.124	725.84700
MM	82718	14-FEB-2011	19:33:52.337	19:46:33.216	760.87900
JO	82718	14-FEB-2011	19:53:44.888	20:07:23.397	818.50900
MM	82719	14-FEB-2011	21:13:26.446	21:26:08.608	762.16200
MA	82719	14-FEB-2011	20:11:59.716	20:25:42.265	822.54900
JO	82719	14-FEB-2011	21:32:49.876	21:46:48.570	838.69400
HO	82720	14-FEB-2011	22:45:17.835	22:58:18.157	780.32200
MM	82720	14-FEB-2011	22:53:46.268	23:05:59.510	733.24200
MA	82720	14-FEB-2011	21:52:54.124	22:04:22.033	687.90900

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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

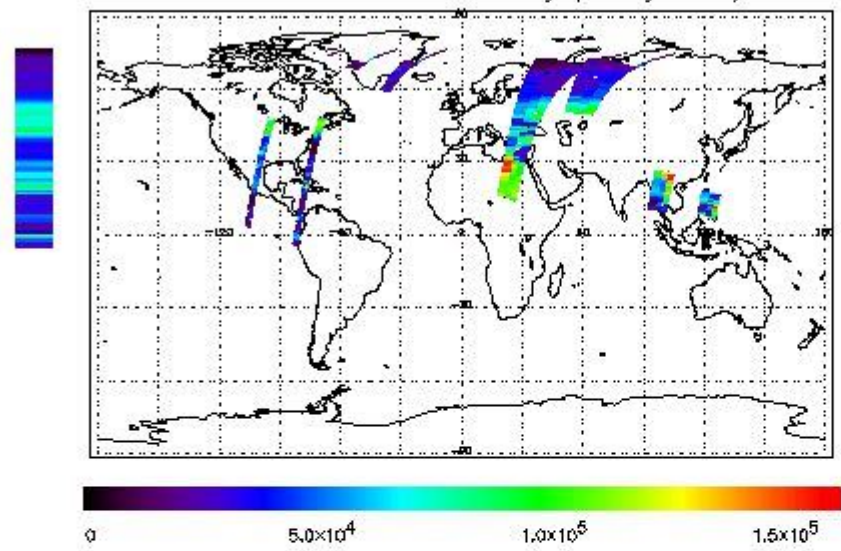
Command Word Echo Summary	OK
Instrument Status 1A	3xNack
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	OK
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	values out of range
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	values out of range
Selected Temperature A	values out of range
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

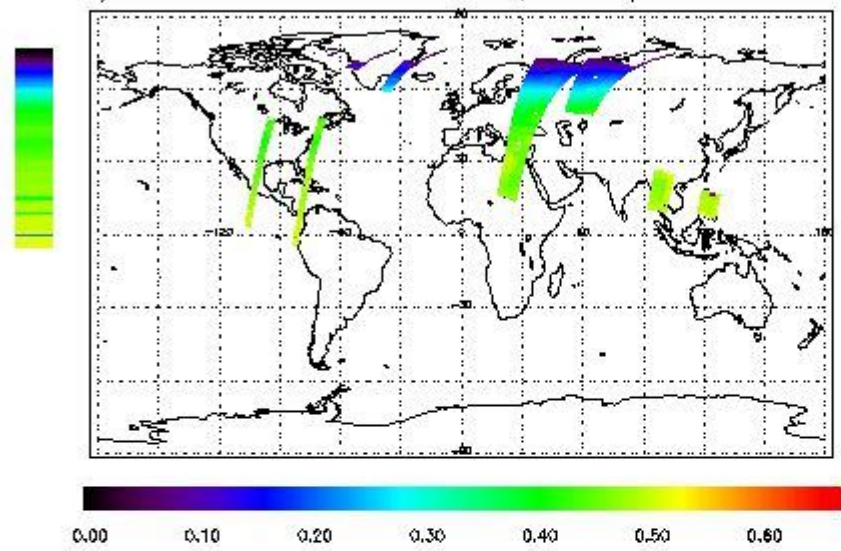
First Product : 14-FEB-2011 00:03:25.801 : ORBIT : 82707.0195

Last Product : 14-FEB-2011 23:45:09.459 : ORBIT : 82721.1522

Total Products Processed : 14793 Day : 45

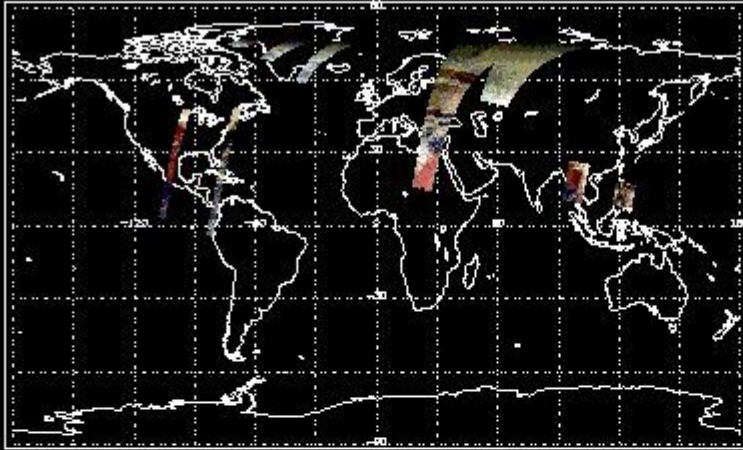
Page : 20

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)
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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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10:30:05	11:38:25	82713	82714	--
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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
11:38:25	--	82714	--	--

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
14:00	--	82725	--

5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
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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