

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	07-MAY-2011
Start Time of First Product	23:49:31 (06-May)
Stop Time of Last Product	23:40:02
Number of EGOI Products analysed	34
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_110507CMEP6321.E2	07-MAY-2011	03:09:54.910
EGOI_110507CMEP6327.E2	07-MAY-2011	04:51:09.024
EGOI_110507CMEP6335.E2	07-MAY-2011	15:32:41.444
EGOI_110507CMEP6344.E2	07-MAY-2011	17:11:36.046
EGOI_110507GSEP1601.E2	07-MAY-2011	01:36:57.336
EGOI_110507GSEP1631.E2	07-MAY-2011	03:15:00.938
EGOI_110507GSEP1640.E2	07-MAY-2011	04:57:49.565
EGOI_110507HLEP0197.E2	07-MAY-2011	00:43:55.511
EGOI_110507HLEP0207.E2	07-MAY-2011	11:15:15.874

EGOI_110507KSEP9338.E2	07-MAY-2011	00:06:22.285
EGOI_110507KSEP9357.E2	07-MAY-2011	06:56:15.788
EGOI_110507KSEP9384.E2	07-MAY-2011	08:36:08.901
EGOI_110507KSEP9404.E2	07-MAY-2011	10:15:41.007
EGOI_110507KSEP9433.E2	07-MAY-2011	11:55:02.620
EGOI_110507KSEP9449.E2	07-MAY-2011	13:33:58.718
EGOI_110507KSEP9469.E2	07-MAY-2011	15:12:27.819
EGOI_110507KSEP9483.E2	07-MAY-2011	16:49:53.913
EGOI_110507KSEP9498.E2	07-MAY-2011	18:27:36.510
EGOI_110507KSEP9505.E2	07-MAY-2011	20:06:13.112
EGOI_110507KSEP9521.E2	07-MAY-2011	21:47:09.229
EGOI_110507KSEP9534.E2	07-MAY-2011	23:31:48.876
EGOI_110507MAEP6774.E2	07-MAY-2011	08:43:47.948
EGOI_110507MAEP6789.E2	07-MAY-2011	10:22:44.050
EGOI_110507MAEP6800.E2	07-MAY-2011	20:00:11.577
EGOI_110507MAEP6821.E2	07-MAY-2011	21:39:15.186
EGOI_110507MIEP1220.E2	07-MAY-2011	03:10:11.410
EGOI_110507MIEP1245.E2	07-MAY-2011	04:51:36.027
EGOI_110507MIEP1273.E2	07-MAY-2011	15:29:33.928
EGOI_110507MIEP1301.E2	07-MAY-2011	17:09:22.530
EGOI_110507MSEP6718.E2	06-MAY-2011	23:49:31.179
EGOI_110507MSEP6743.E2	07-MAY-2011	10:30:09.596
EGOI_110507MSEP6772.E2	07-MAY-2011	12:08:01.194
EGOI_110507MSEP6794.E2	07-MAY-2011	21:39:28.695
EGOI_110507MSEP6826.E2	07-MAY-2011	23:16:03.782

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	83880	06-MAY-2011	23:48:39.234	00:00:17.458	698.22400
HO	83881	07-MAY-2011	01:18:39.509	01:31:19.392	759.88300
MM	83881	07-MAY-2011	01:30:35.681	01:40:29.530	593.84900
MS	83881	07-MAY-2011	00:24:58.335	00:35:22.690	624.35500
BE	83882	07-MAY-2011	02:36:14.398	02:49:24.769	790.37100
MM	83882	07-MAY-2011	03:13:27.493	03:21:01.097	453.60400
SG	83882	07-MAY-2011	02:47:47.172	03:00:36.551	769.37900
BE	83883	07-MAY-2011	04:16:09.713	04:27:29.569	679.85600

MM	83883	07-MAY-2011	04:56:26.719	05:02:17.525	350.80600
SG	83883	07-MAY-2011	04:27:34.921	04:39:00.064	685.14300
MM	83884	07-MAY-2011	06:38:17.456	06:44:53.262	395.80600
KS	83884	07-MAY-2011	05:52:41.829	05:56:43.248	241.41900
CM	83884	07-MAY-2011	05:25:39.733	05:32:48.301	428.56800
JO	83884	07-MAY-2011	06:22:01.996	06:28:01.966	359.97000
MM	83885	07-MAY-2011	08:19:03.789	08:27:57.329	533.54000
KS	83885	07-MAY-2011	07:31:07.815	07:42:16.430	668.61500
JO	83885	07-MAY-2011	07:55:55.597	08:10:46.586	890.98900
MM	83886	07-MAY-2011	09:59:22.864	10:10:21.011	658.14700
KS	83886	07-MAY-2011	09:10:41.219	09:24:18.435	817.21600
MA	83886	07-MAY-2011	09:19:00.981	09:32:20.899	799.91800
JO	83886	07-MAY-2011	09:37:12.121	09:48:35.835	683.71400
MM	83887	07-MAY-2011	11:39:27.156	11:51:41.055	733.89900
KS	83887	07-MAY-2011	10:50:17.508	11:04:11.882	834.37400
MA	83887	07-MAY-2011	10:58:49.006	11:09:17.275	628.26900
MS	83887	07-MAY-2011	11:03:28.053	11:16:08.665	760.61200
MM	83888	07-MAY-2011	13:19:17.845	13:32:00.098	762.25300
KS	83888	07-MAY-2011	12:29:38.334	12:42:35.647	777.31300
MS	83888	07-MAY-2011	12:43:10.567	12:54:39.132	688.56500
HO	83889	07-MAY-2011	15:08:50.650	15:17:23.737	513.08700
MM	83889	07-MAY-2011	14:58:53.219	15:11:33.850	760.63100
MI	83889	07-MAY-2011	14:28:29.538	14:35:04.082	394.54400
KS	83889	07-MAY-2011	14:08:31.235	14:20:18.591	707.35600
GS	83889	07-MAY-2011	14:20:37.973	14:30:54.263	616.29000
SG	83889	07-MAY-2011	15:21:58.721	15:35:51.290	832.56900
BE	83890	07-MAY-2011	15:34:18.817	15:44:23.441	604.62400
MM	83890	07-MAY-2011	16:38:12.367	16:50:44.790	752.42300
MI	83890	07-MAY-2011	16:04:46.284	16:18:08.162	801.87800
KS	83890	07-MAY-2011	15:46:25.767	15:58:18.383	712.61600
GS	83890	07-MAY-2011	15:58:53.799	16:12:49.832	836.03300
CM	83890	07-MAY-2011	16:07:41.545	16:19:53.180	731.63500
MM	83891	07-MAY-2011	18:17:20.906	18:29:54.889	753.98300
MI	83891	07-MAY-2011	17:47:23.319	17:52:32.380	309.06100
KS	83891	07-MAY-2011	17:24:18.518	17:37:03.526	765.00800
GS	83891	07-MAY-2011	17:39:06.799	17:49:56.268	649.46900

CM	83891	07-MAY-2011	17:49:02.213	17:56:15.844	433.63100
MM	83892	07-MAY-2011	19:56:34.923	20:09:17.546	762.62300
MA	83892	07-MAY-2011	19:00:51.431	19:05:59.763	308.33200
KS	83892	07-MAY-2011	19:02:30.155	19:16:23.610	833.45500
JO	83892	07-MAY-2011	20:16:02.668	20:30:39.250	876.58200
MM	83893	07-MAY-2011	21:36:17.674	21:48:56.676	759.00200
MA	83893	07-MAY-2011	20:34:25.646	20:48:06.173	820.52700
KS	83893	07-MAY-2011	20:42:20.353	20:55:59.684	819.33100
JO	83893	07-MAY-2011	21:56:01.262	22:08:39.126	757.86400
HO	83894	07-MAY-2011	23:07:28.547	23:21:12.869	824.32200
MM	83894	07-MAY-2011	23:16:50.466	23:28:50.811	720.34500
MS	83894	07-MAY-2011	22:13:29.083	22:25:12.645	703.56200
MA	83894	07-MAY-2011	22:17:25.169	22:26:22.704	537.53500
KS	83894	07-MAY-2011	22:24:17.862	22:35:33.543	675.68100
MS	83895	07-MAY-2011	23:52:23.175	00:04:55.790	752.61500

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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	OK
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK

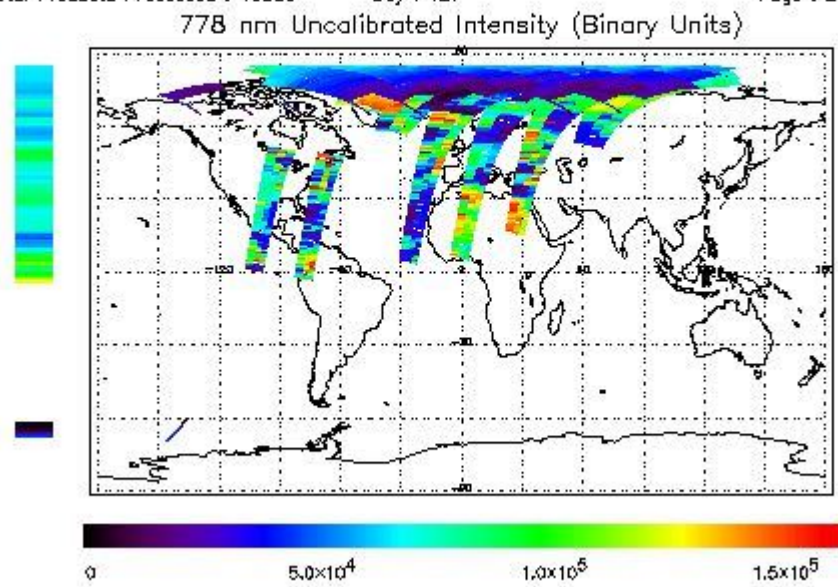
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	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

First Product : 06-MAY-2011 23:48:31.178 : ORBIT : 83880.6527
 Last Product : 07-MAY-2011 23:40:02.426 : ORBIT : 83894.8728
 Total Products Processed : 16355 Day : 127 Page : 21

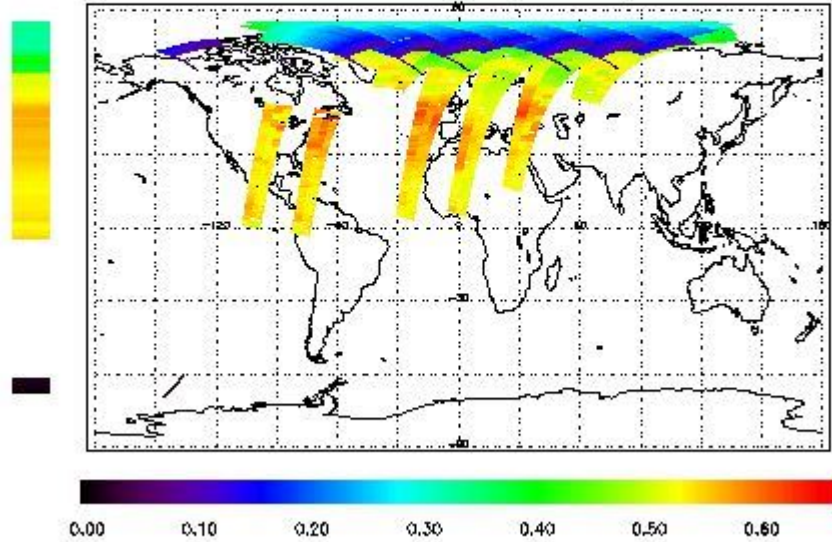


Ozone Line Ratio

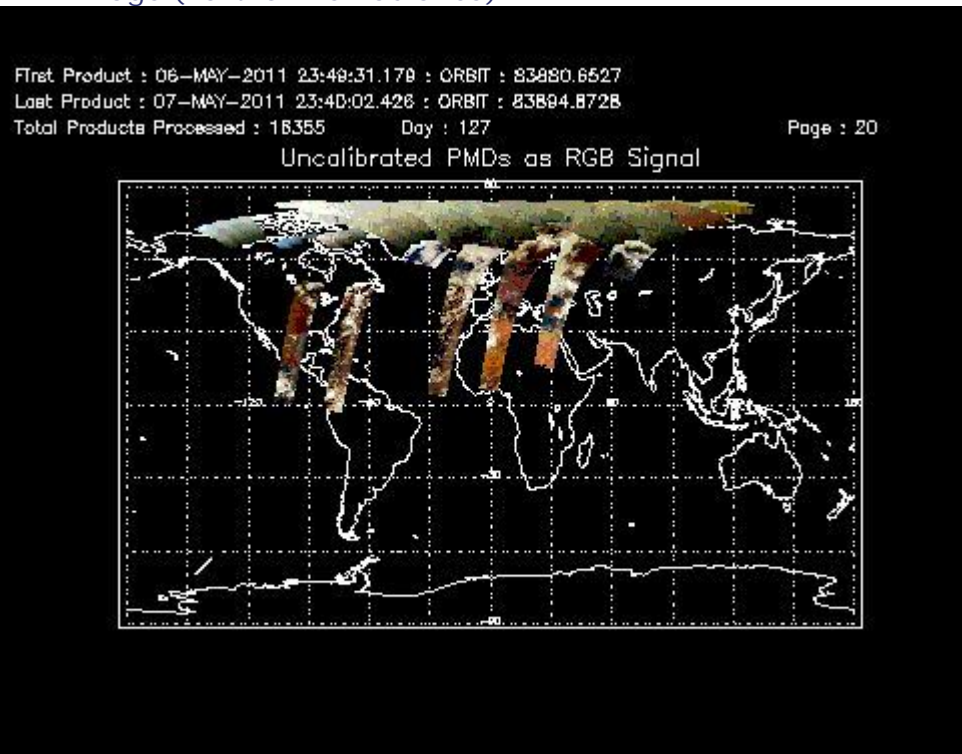
First Product : 06-MAY-2011 23:49:31.179 : ORBIT : 83880.6527
 Last Product : 07-MAY-2011 23:40:02.426 : ORBIT : 83894.8728
 Total Products Processed : 16355 Day : 127

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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	18:31:36.533	--	83891	Yes	--	14433

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
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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