

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	19-MAY-2010
Start Time of First Product	23:45:11 (18-May)
Stop Time of Last Product	23:24:50
Number of EGOI Products analysed	34
Number of corrupted products	--
Anomalies and/or Special Operations	<i>GOME Nadir Static View, orbit 78835, time interval: 12:49:16-13:52:37 due to AMI anomaly</i>

1.2 - List of received products

Name	Date	Time
EGOI_100519BEEP2767.E2	19-MAY-2010	02:32:15.284
EGOI_100519BEEP2773.E2	19-MAY-2010	04:11:56.394
EGOI_100519GSEP6702.E2	19-MAY-2010	02:05:48.124
EGOI_100519GSEP6733.E2	19-MAY-2010	03:45:29.238
EGOI_100519GSEP6743.E2	19-MAY-2010	05:28:08.859
EGOI_100519KSEP8894.E2	19-MAY-2010	07:26:29.085
EGOI_100519KSEP8912.E2	19-MAY-2010	09:06:28.199
EGOI_100519KSEP8932.E2	19-MAY-2010	10:46:07.806
EGOI_100519KSEP8955.E2	19-MAY-2010	12:25:29.416

EGOI_100519KSEP8968.E2	19-MAY-2010	14:04:25.519
EGOI_100519KSEP8994.E2	19-MAY-2010	15:42:29.121
EGOI_100519KSEP9023.E2	19-MAY-2010	17:20:16.212
EGOI_100519KSEP9055.E2	19-MAY-2010	18:58:07.815
EGOI_100519KSEP9076.E2	19-MAY-2010	20:37:35.418
EGOI_100519KSEP9103.E2	19-MAY-2010	22:19:25.541
EGOI_100519MAEP2388.E2	19-MAY-2010	09:13:41.742
EGOI_100519MAEP2396.E2	19-MAY-2010	10:53:40.853
EGOI_100519MAEP2411.E2	19-MAY-2010	20:31:17.379
EGOI_100519MIEP3086.E2	19-MAY-2010	02:03:55.613
EGOI_100519MIEP3108.E2	19-MAY-2010	14:24:39.140
EGOI_100519MIEP3135.E2	19-MAY-2010	16:00:32.223
EGOI_100519MIEP3157.E2	19-MAY-2010	17:42:20.849
EGOI_100519MMEP8554.E2	18-MAY-2010	23:45:11.261
EGOI_100519MMEP8563.E2	19-MAY-2010	04:52:17.644
EGOI_100519MMEP8578.E2	19-MAY-2010	19:54:02.151
EGOI_100519MMEP8585.E2	19-MAY-2010	21:33:41.767
EGOI_100519MMEP8592.E2	19-MAY-2010	23:13:36.373
EGOI_100519MSEP5983.E2	19-MAY-2010	00:20:09.982
EGOI_100519MSEP6006.E2	19-MAY-2010	10:59:22.888
EGOI_100519MSEP6020.E2	19-MAY-2010	12:38:51.992
EGOI_100519MSEP6049.E2	19-MAY-2010	22:09:08.978
EGOI_100519SGEP5754.E2	19-MAY-2010	02:43:54.355
EGOI_100519SGEP5762.E2	19-MAY-2010	04:22:48.960
EGOI_100519SGEP5769.E2	19-MAY-2010	17:00:49.095

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78832	19-MAY-2010	07:25:27.157	07:26:29.085	61.928000
KS	78833	19-MAY-2010	09:04:59.599	09:06:28.198	88.599000
KS	78834	19-MAY-2010	10:44:36.257	10:46:07.805	91.548000
KS	78835	19-MAY-2010	12:23:58.451	12:25:29.415	90.964000
KS	78836	19-MAY-2010	14:02:51.922	14:04:25.519	93.597000
KS	78837	19-MAY-2010	15:40:50.684	15:42:29.121	98.437000
KS	78838	19-MAY-2010	17:18:41.012	17:20:16.212	95.200000
KS	78839	19-MAY-2010	18:56:50.916	18:58:07.814	76.898000
KS	78840	19-MAY-2010	20:36:35.000	20:37:35.417	60.417000
KS	78841	19-MAY-2010	22:18:24.063	22:19:25.541	61.478000
GS	78830	19-MAY-2010	03:44:27.246	03:45:29.237	61.991000
MS	78828	19-MAY-2010	00:18:57.896	00:20:09.982	72.086000

MS	78834	19-MAY-2010	10:57:45.879	10:59:22.888	97.009000
MS	78835	19-MAY-2010	12:37:22.160	12:38:51.991	89.831000
MS	78841	19-MAY-2010	22:08:02.039	22:09:08.977	66.938000
MS	78842	19-MAY-2010	23:46:33.576	23:47:50.085	76.509000
MA	78840	19-MAY-2010	20:28:47.808	20:31:17.379	149.57100
MI	78829	19-MAY-2010	02:02:41.704	02:03:55.613	73.909000
MI	78836	19-MAY-2010	14:23:33.684	14:24:39.139	65.455000
MI	78837	19-MAY-2010	15:59:05.585	16:00:32.223	86.638000
MI	78838	19-MAY-2010	17:41:07.338	17:42:20.849	73.511000
MM	78830	19-MAY-2010	04:50:34.910	04:52:17.643	102.73300
MM	78839	19-MAY-2010	19:50:54.145	19:54:02.151	188.00600
MM	78840	19-MAY-2010	21:30:34.625	21:33:41.767	187.14200
MM	78841	19-MAY-2010	23:11:04.104	23:13:36.372	152.26800
BE	78829	19-MAY-2010	02:30:36.245	02:32:15.283	99.038000
BE	78830	19-MAY-2010	04:10:23.042	04:11:56.393	93.351000
SG	78829	19-MAY-2010	02:42:17.750	02:43:54.355	96.605000
SG	78830	19-MAY-2010	04:21:40.695	04:22:48.959	68.264000
SG	78837	19-MAY-2010	16:58:57.585	17:00:49.094	111.50900

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	78828	19-MAY-2010	01:12:47.824	01:25:45.765	777.94100
MM	78828	19-MAY-2010	01:24:44.461	01:34:45.563	601.10200
MM	78829	19-MAY-2010	03:07:33.915	03:15:15.618	461.70300
CM	78829	19-MAY-2010	03:38:13.233	03:50:10.139	716.90600
MI	78830	19-MAY-2010	03:38:58.145	03:52:17.733	799.58800
MM	78831	19-MAY-2010	06:32:30.466	06:38:59.873	389.40700
CM	78831	19-MAY-2010	05:19:28.211	05:27:36.149	487.93800
MM	78832	19-MAY-2010	08:13:19.237	08:22:04.631	525.39400
JO	78832	19-MAY-2010	07:50:19.781	08:05:03.670	883.88900
MM	78833	19-MAY-2010	09:53:39.356	10:04:31.591	652.23500
JO	78833	19-MAY-2010	09:31:11.499	09:43:10.587	719.08800
MM	78834	19-MAY-2010	11:33:44.409	11:45:55.366	730.95700
MM	78835	19-MAY-2010	13:13:35.911	13:26:17.562	761.65100
HO	78836	19-MAY-2010	15:03:00.415	15:11:56.323	535.90800

MM	78836	19-MAY-2010	14:53:12.214	15:05:53.334	761.12000
GS	78836	19-MAY-2010	14:15:08.986	14:24:51.347	582.36100
SG	78836	19-MAY-2010	15:16:20.329	15:30:09.960	829.63100
BE	78837	19-MAY-2010	15:28:18.719	15:38:54.297	635.57800
MM	78837	19-MAY-2010	16:32:32.230	16:45:04.938	752.70800
GS	78837	19-MAY-2010	15:53:13.016	16:07:08.896	835.88000
SG	78837	19-MAY-2010	16:58:57.585	17:05:41.352	403.76700
CM	78837	19-MAY-2010	16:02:05.823	16:14:07.639	721.81600
MM	78838	19-MAY-2010	18:11:41.039	18:24:14.620	753.58100
GS	78838	19-MAY-2010	17:33:20.233	17:44:31.055	670.82200
CM	78838	19-MAY-2010	17:42:57.963	17:51:05.911	487.94800
MA	78839	19-MAY-2010	18:55:53.080	19:00:17.538	264.45800
JO	78839	19-MAY-2010	20:10:26.761	20:24:52.331	865.57000
JO	78840	19-MAY-2010	21:50:11.971	22:03:13.770	781.79900
HO	78841	19-MAY-2010	23:01:58.889	23:15:29.545	810.65600
MA	78841	19-MAY-2010	22:11:22.162	22:20:55.031	572.86900

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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

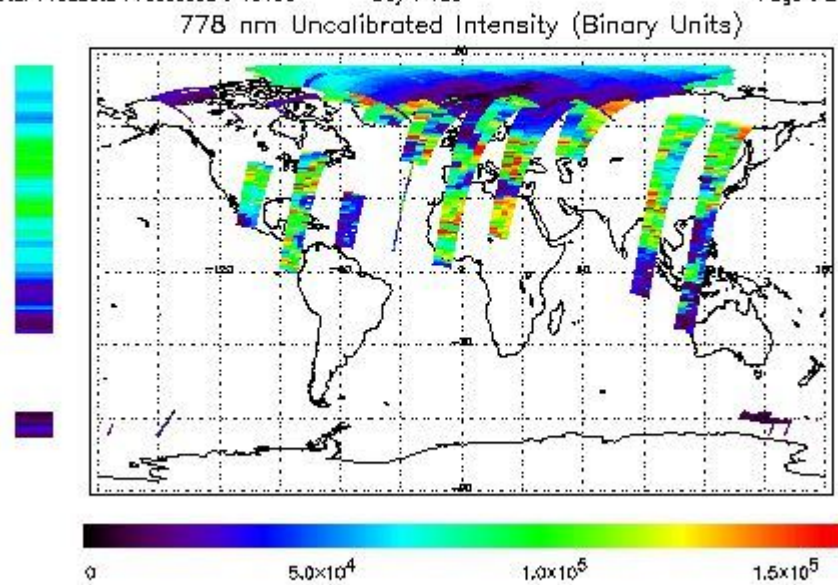
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 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 : 18-MAY-2010 23:45:11.261 : ORBIT : 78827.6668
 Last Product : 19-MAY-2010 23:24:49.943 : ORBIT : 78841.7787
 Total Products Processed : 16193 Day : 139 Page : 21

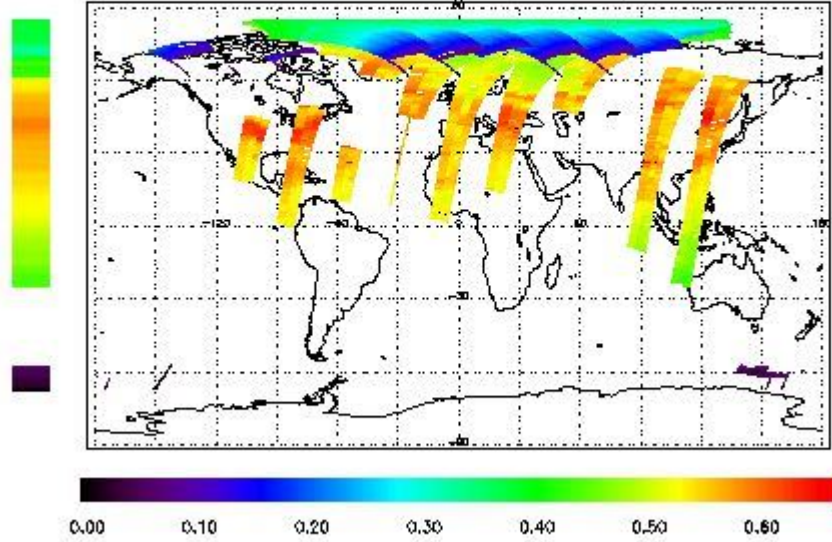


Ozone Line Ratio

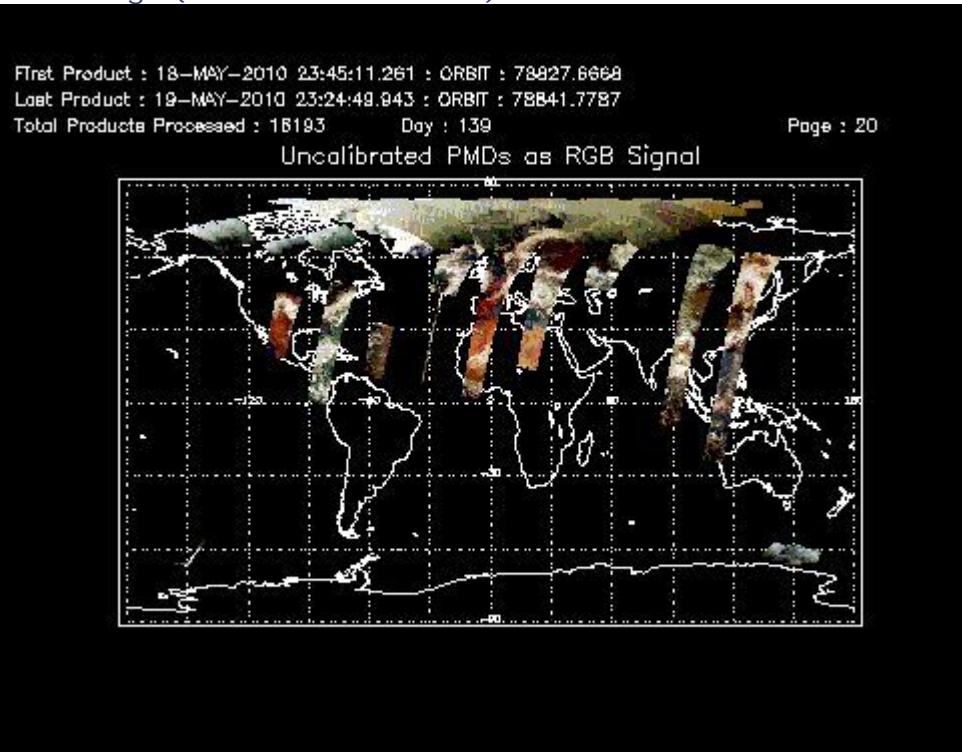
First Product : 18-MAY-2010 23:45:11.261 : ORBIT : 78827.6668
 Last Product : 19-MAY-2010 23:24:49.943 : ORBIT : 78841.7787
 Total Products Processed : 18193 Day : 139

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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	19:02:07.834	--	78839	Yes	--	14504

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
--	--	--	--	--	--

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
12:40:36	12:50:54	78835	78835	No End

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
--	--	--	--	--

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