

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	20-FEB-2010
Start Time of First Product	23:45:32 (19-Feb)
Stop Time of Last Product	23:38:04
Number of EGOI Products analysed	39
Number of corrupted products	--
Anomalies and/or Special Operations	long science dump over MS, orbit 77581, time interval: 21:37:15-21:44:33

1.2 - List of received products

Name	Date	Time
EGOI_100220BEEP1977.E2	20-FEB-2010	03:38:12.897
EGOI_100220CMEP6765.E2	20-FEB-2010	03:06:24.701
EGOI_100220CMEP6773.E2	20-FEB-2010	04:47:28.320
EGOI_100220GSEP0116.E2	20-FEB-2010	01:33:28.638
EGOI_100220GSEP0148.E2	20-FEB-2010	03:11:26.233
EGOI_100220GSEP0158.E2	20-FEB-2010	04:54:17.863
EGOI_100220KSEP5882.E2	20-FEB-2010	06:52:56.094
EGOI_100220KSEP5904.E2	20-FEB-2010	08:32:55.206
EGOI_100220KSEP5926.E2	20-FEB-2010	10:12:34.822

EGOI_100220KSEP5952.E2	20-FEB-2010	11:52:08.425
EGOI_100220KSEP5972.E2	20-FEB-2010	13:31:04.533
EGOI_100220KSEP5994.E2	20-FEB-2010	15:09:47.145
EGOI_100220KSEP6015.E2	20-FEB-2010	16:47:16.236
EGOI_100220KSEP6047.E2	20-FEB-2010	18:25:12.340
EGOI_100220KSEP6084.E2	20-FEB-2010	20:03:54.944
EGOI_100220KSEP6115.E2	20-FEB-2010	21:44:54.064
EGOI_100220KSEP6144.E2	20-FEB-2010	23:28:12.699
EGOI_100220MAEP9136.E2	20-FEB-2010	08:40:56.753
EGOI_100220MAEP9149.E2	20-FEB-2010	10:20:00.365
EGOI_100220MIEP3864.E2	20-FEB-2010	03:07:00.705
EGOI_100220MIEP3889.E2	20-FEB-2010	04:48:16.328
EGOI_100220MIEP3913.E2	20-FEB-2010	15:27:17.250
EGOI_100220MIEP3939.E2	20-FEB-2010	17:07:16.358
EGOI_100220MMEP4148.E2	20-FEB-2010	00:50:16.371
EGOI_100220MMEP4154.E2	20-FEB-2010	02:33:06.502
EGOI_100220MMEP4165.E2	20-FEB-2010	12:40:34.224
EGOI_100220MMEP4174.E2	20-FEB-2010	14:20:15.339
EGOI_100220MMEP4187.E2	20-FEB-2010	17:40:00.062
EGOI_100220MMEP4196.E2	20-FEB-2010	19:18:41.165
EGOI_100220MMEP4202.E2	20-FEB-2010	20:57:49.274
EGOI_100220MMEP4211.E2	20-FEB-2010	22:37:54.394
EGOI_100220MSEP5620.E2	19-FEB-2010	23:45:32.475
EGOI_100220MSEP5644.E2	20-FEB-2010	10:27:07.904
EGOI_100220MSEP5673.E2	20-FEB-2010	12:05:02.505
EGOI_100220MSEP5682.E2	20-FEB-2010	13:47:57.139
EGOI_100220MSEP5706.E2	20-FEB-2010	21:37:15.017
EGOI_100220MSEP5738.E2	20-FEB-2010	23:14:02.113
EGOI_100220SGEP3831.E2	20-FEB-2010	02:12:03.372
EGOI_100220SGEP3836.E2	20-FEB-2010	03:48:48.960
EGOI_100220SGEP3843.E2	20-FEB-2010	14:47:00.497
EGOI_100220SGEP3848.E2	20-FEB-2010	16:24:52.096

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77572	20-FEB-2010	06:51:26.929	06:52:56.094	89.165000
KS	77573	20-FEB-2010	08:30:50.217	08:32:55.206	124.98900
KS	77574	20-FEB-2010	10:10:27.893	10:12:34.822	126.92900
KS	77575	20-FEB-2010	11:49:57.005	11:52:08.424	131.41900
KS	77576	20-FEB-2010	13:28:59.552	13:31:04.532	124.98000
KS	77577	20-FEB-2010	15:07:26.938	15:09:47.145	140.20700
KS	77578	20-FEB-2010	16:45:03.690	16:47:16.235	132.54500

KS	77579	20-FEB-2010	18:23:01.202	18:25:12.340	131.13800
KS	77580	20-FEB-2010	20:02:11.161	20:03:54.944	103.78300
KS	77581	20-FEB-2010	21:43:12.839	21:44:54.064	101.22500
KS	77582	20-FEB-2010	23:26:52.885	23:28:12.699	79.814000
GS	77569	20-FEB-2010	01:31:51.917	01:33:28.637	96.720000
GS	77570	20-FEB-2010	03:09:49.597	03:11:26.232	96.635000
MS	77574	20-FEB-2010	10:24:53.841	10:27:07.903	134.06200
MS	77575	20-FEB-2010	12:02:55.691	12:05:02.504	126.81300
MS	77582	20-FEB-2010	23:12:04.367	23:14:02.113	117.74600
MA	77573	20-FEB-2010	08:39:42.578	08:40:56.752	74.174000
MA	77574	20-FEB-2010	10:18:32.229	10:20:00.364	88.135000
MI	77570	20-FEB-2010	03:05:05.523	03:07:00.704	115.18100
MI	77571	20-FEB-2010	04:46:21.034	04:48:16.328	115.29400
MI	77577	20-FEB-2010	15:25:19.555	15:27:17.250	117.69500
MI	77578	20-FEB-2010	17:05:16.313	17:07:16.358	120.04500
MM	77575	20-FEB-2010	12:39:23.295	12:40:34.223	70.928000
MM	77576	20-FEB-2010	14:19:05.029	14:20:15.339	70.310000
MM	77578	20-FEB-2010	17:37:41.972	17:40:00.062	138.09000
MM	77579	20-FEB-2010	19:16:51.212	19:18:41.164	109.95200
MM	77580	20-FEB-2010	20:56:19.624	20:57:49.274	89.650000
MM	77581	20-FEB-2010	22:36:30.259	22:37:54.394	84.135000
BE	77570	20-FEB-2010	03:35:54.539	03:38:12.897	138.35800
SG	77569	20-FEB-2010	02:10:11.598	02:12:03.372	111.77400
SG	77570	20-FEB-2010	03:46:51.040	03:48:48.959	117.91900

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	77568	20-FEB-2010	00:37:54.298	00:52:11.172	856.87400
KS	77568	20-FEB-2010	00:00:21.744	00:05:49.728	327.98400
BE	77569	20-FEB-2010	01:57:01.877	02:08:38.124	696.24700
MM	77570	20-FEB-2010	04:15:19.450	04:21:38.554	379.10400
MM	77571	20-FEB-2010	05:57:43.495	06:03:42.497	359.00200
MM	77572	20-FEB-2010	07:38:49.970	07:46:45.865	475.89500
JO	77572	20-FEB-2010	07:17:10.584	07:30:30.876	800.29200
MM	77573	20-FEB-2010	09:19:17.305	09:29:30.673	613.36800

JO	77573	20-FEB-2010	08:55:50.338	09:10:04.660	854.32200
MM	77574	20-FEB-2010	10:59:27.022	11:11:16.888	709.86600
HO	77576	20-FEB-2010	14:28:08.984	14:40:10.300	721.31600
SG	77576	20-FEB-2010	14:42:58.399	14:55:35.188	756.78900
BE	77577	20-FEB-2010	14:52:56.538	15:05:33.145	756.60700
MM	77577	20-FEB-2010	15:58:30.521	16:11:05.628	755.10700
GS	77577	20-FEB-2010	15:19:15.589	15:32:44.461	808.87200
SG	77577	20-FEB-2010	16:22:31.133	16:34:15.217	704.08400
CM	77577	20-FEB-2010	15:29:03.735	15:38:56.438	592.70300
GS	77578	20-FEB-2010	16:58:49.728	17:11:38.514	768.78600
CM	77578	20-FEB-2010	17:07:34.582	17:18:53.432	678.85000
JO	77579	20-FEB-2010	19:37:14.050	19:49:39.949	745.89900
MA	77580	20-FEB-2010	19:55:19.907	20:08:28.913	789.00600
JO	77580	20-FEB-2010	21:15:35.060	21:30:11.366	876.30600
HO	77581	20-FEB-2010	22:28:52.387	22:41:06.922	734.53500
MA	77581	20-FEB-2010	21:34:46.501	21:47:38.589	772.08800

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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

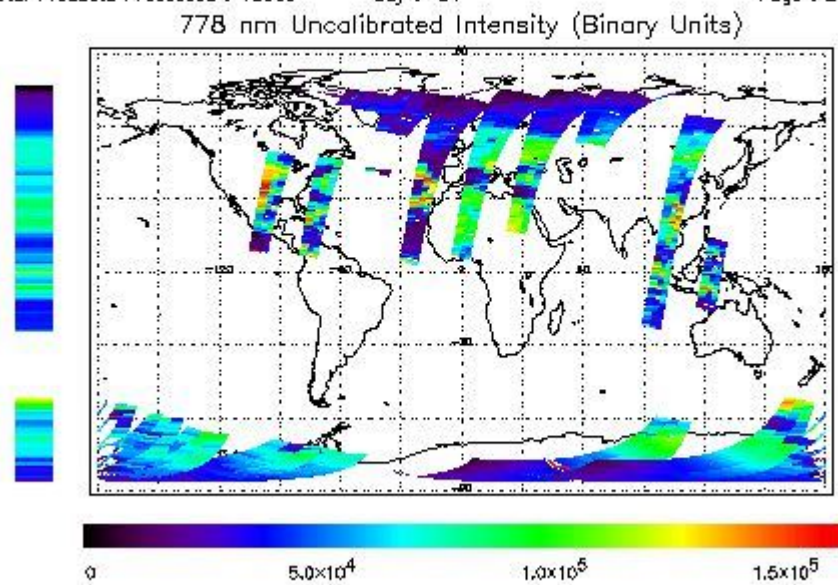
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 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 : 19-FEB-2010 23:45:32.475 : ORBIT : 77568.0132
 Last Product : 20-FEB-2010 23:38:03.761 : ORBIT : 77582.2531
 Total Products Processed : 18963 Day : 51 Page : 21



Ozone Line Ratio

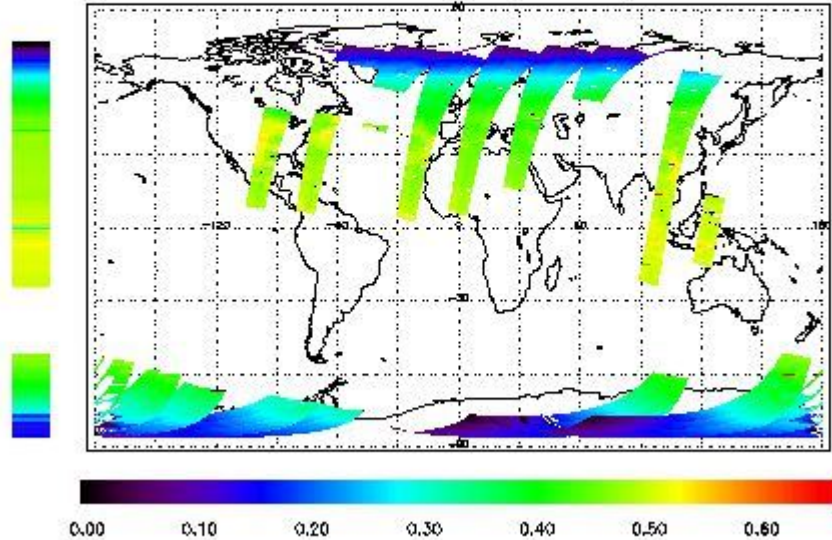
First Product : 19-FEB-2010 23:45:32.475 : ORBIT : 77568.0132

Last Product : 20-FEB-2010 23:38:03.761 : ORBIT : 77582.2531

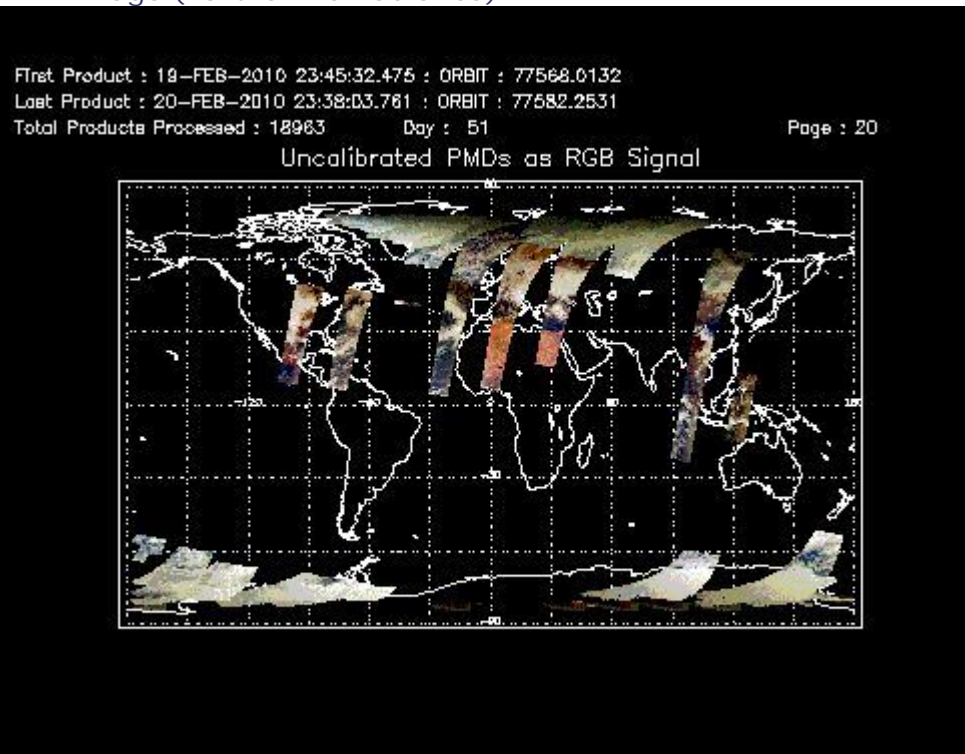
Total Products Processed : 18963 Day : 51

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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	11:54:47.445	--	77575	Yes	--	15624

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)
--	--	--	--	--	--	--	--

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