

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	19-FEB-2010
Start Time of First Product	23:41:31 (18-Feb)
Stop Time of Last Product	23:22:35
Number of EGOI Products analysed	46
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100219BEEP1965.E2	19-FEB-2010	02:29:56.131
EGOI_100219BEEP1970.E2	19-FEB-2010	04:10:02.750
EGOI_100219CMEP6741.E2	19-FEB-2010	03:36:29.543
EGOI_100219CMEP6749.E2	19-FEB-2010	05:17:13.661
EGOI_100219CMEP6755.E2	19-FEB-2010	16:00:43.116
EGOI_100219CMEP6761.E2	19-FEB-2010	17:40:45.231
EGOI_100219GSEP0047.E2	19-FEB-2010	02:03:39.479
EGOI_100219GSEP0078.E2	19-FEB-2010	03:43:05.582
EGOI_100219GSEP0088.E2	19-FEB-2010	05:25:51.215

EGOI_100219HLEP5054.E2	19-FEB-2010	23:01:18.700
EGOI_100219KSEP5622.E2	19-FEB-2010	07:24:14.447
EGOI_100219KSEP5645.E2	19-FEB-2010	09:04:15.055
EGOI_100219KSEP5671.E2	19-FEB-2010	10:43:53.167
EGOI_100219KSEP5699.E2	19-FEB-2010	12:23:16.278
EGOI_100219KSEP5715.E2	19-FEB-2010	14:02:13.887
EGOI_100219KSEP5743.E2	19-FEB-2010	15:40:20.491
EGOI_100219KSEP5764.E2	19-FEB-2010	17:18:03.090
EGOI_100219KSEP5798.E2	19-FEB-2010	18:55:56.194
EGOI_100219KSEP5833.E2	19-FEB-2010	20:35:17.802
EGOI_100219KSEP5865.E2	19-FEB-2010	22:17:04.930
EGOI_100219MAEP9109.E2	19-FEB-2010	09:11:34.606
EGOI_100219MAEP9123.E2	19-FEB-2010	10:51:26.214
EGOI_100219MIEP3747.E2	19-FEB-2010	02:01:58.967
EGOI_100219MIEP3776.E2	19-FEB-2010	03:38:04.050
EGOI_100219MIEP3794.E2	19-FEB-2010	05:23:21.197
EGOI_100219MIEP3810.E2	19-FEB-2010	14:22:47.012
EGOI_100219MIEP3819.E2	19-FEB-2010	15:58:16.100
EGOI_100219MIEP3839.E2	19-FEB-2010	17:39:58.728
EGOI_100219MMEP4067.E2	18-FEB-2010	23:41:31.100
EGOI_100219MMEP4075.E2	19-FEB-2010	01:22:19.719
EGOI_100219MMEP4082.E2	19-FEB-2010	03:04:53.347
EGOI_100219MMEP4091.E2	19-FEB-2010	08:11:19.230
EGOI_100219MMEP4097.E2	19-FEB-2010	09:51:55.853
EGOI_100219MMEP4106.E2	19-FEB-2010	11:31:56.464
EGOI_100219MMEP4116.E2	19-FEB-2010	16:31:11.800
EGOI_100219MMEP4126.E2	19-FEB-2010	19:49:47.524
EGOI_100219MMEP4131.E2	19-FEB-2010	21:29:42.139
EGOI_100219MMEP4142.E2	19-FEB-2010	23:09:27.751
EGOI_100219MSEP5504.E2	19-FEB-2010	00:17:49.327
EGOI_100219MSEP5531.E2	19-FEB-2010	10:57:12.753
EGOI_100219MSEP5559.E2	19-FEB-2010	12:36:38.860
EGOI_100219MSEP5590.E2	19-FEB-2010	22:06:48.363
EGOI_100219SGEP3805.E2	19-FEB-2010	02:41:32.206
EGOI_100219SGEP3811.E2	19-FEB-2010	04:20:32.817
EGOI_100219SGEP3818.E2	19-FEB-2010	15:15:33.838
EGOI_100219SGEP3824.E2	19-FEB-2010	16:57:59.973

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	77558	19-FEB-2010	07:22:36.881	07:24:14.447	97.566000
KS	77559	19-FEB-2010	09:02:08.793	09:04:15.055	126.26200
KS	77560	19-FEB-2010	10:41:45.615	10:43:53.167	127.55200

KS	77561	19-FEB-2010	12:21:08.467	12:23:16.278	127.81100
KS	77562	19-FEB-2010	14:00:02.226	14:02:13.886	131.66000
KS	77563	19-FEB-2010	15:38:03.114	15:40:20.491	137.37700
KS	77564	19-FEB-2010	17:15:52.304	17:18:03.089	130.78500
KS	77565	19-FEB-2010	18:54:01.405	18:55:56.194	114.78900
KS	77566	19-FEB-2010	20:33:42.477	20:35:17.802	95.325000
KS	77567	19-FEB-2010	22:15:27.381	22:17:04.929	97.548000
GS	77555	19-FEB-2010	02:02:10.722	02:03:39.478	88.756000
GS	77556	19-FEB-2010	03:41:32.708	03:43:05.582	92.874000
MS	77554	19-FEB-2010	00:15:58.650	00:17:49.327	110.67700
MS	77560	19-FEB-2010	10:55:03.359	10:57:12.753	129.39400
MS	77561	19-FEB-2010	12:34:29.073	12:36:38.860	129.78700
MS	77567	19-FEB-2010	22:05:19.134	22:06:48.362	89.228000
MS	77568	19-FEB-2010	23:43:39.329	23:45:32.475	113.14600
MA	77560	19-FEB-2010	10:49:55.176	10:51:26.213	91.037000
MI	77555	19-FEB-2010	02:00:06.474	02:01:58.967	112.49300
MI	77556	19-FEB-2010	03:36:07.041	03:38:04.049	117.00800
MI	77562	19-FEB-2010	14:21:14.637	14:22:47.011	92.374000
MI	77563	19-FEB-2010	15:56:15.540	15:58:16.100	120.56000
MI	77564	19-FEB-2010	17:38:02.795	17:39:58.728	115.93300
MM	77559	19-FEB-2010	09:50:47.585	09:51:55.852	68.267000
MM	77560	19-FEB-2010	11:30:53.020	11:31:56.464	63.444000
MM	77563	19-FEB-2010	16:29:42.147	16:31:11.799	89.652000
MM	77565	19-FEB-2010	19:48:03.791	19:49:47.524	103.73300
MM	77566	19-FEB-2010	21:27:43.163	21:29:42.138	118.97500
MM	77567	19-FEB-2010	23:08:11.002	23:09:27.750	76.748000
BE	77555	19-FEB-2010	02:27:47.389	02:29:56.131	128.74200
BE	77556	19-FEB-2010	04:07:29.939	04:10:02.750	152.81100
SG	77555	19-FEB-2010	02:39:33.718	02:41:32.205	118.48700
SG	77556	19-FEB-2010	04:18:44.345	04:20:32.816	108.47100
SG	77562	19-FEB-2010	15:13:31.604	15:15:33.837	122.23300
SG	77563	19-FEB-2010	16:55:47.668	16:57:59.972	132.30400
CM	77555	19-FEB-2010	03:35:26.861	03:36:29.542	62.681000
CM	77563	19-FEB-2010	15:59:18.440	16:00:43.116	84.676000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	77554	19-FEB-2010	01:09:53.595	01:22:58.576	784.98100
CM	77555	19-FEB-2010	03:35:26.861	03:47:17.370	710.50900
MM	77556	19-FEB-2010	04:47:38.912	04:53:33.724	354.81200
MM	77557	19-FEB-2010	06:29:36.890	06:36:03.219	386.32900
JO	77558	19-FEB-2010	07:47:32.307	08:02:11.957	879.65000
JO	77559	19-FEB-2010	09:28:12.124	09:40:27.175	735.05100
MM	77561	19-FEB-2010	13:10:44.926	13:23:26.237	761.31100
HO	77562	19-FEB-2010	15:00:05.205	15:09:12.158	546.95300
MM	77562	19-FEB-2010	14:50:21.690	15:03:03.046	761.35600
GS	77562	19-FEB-2010	14:12:25.204	14:21:48.930	563.72600
SG	77562	19-FEB-2010	15:13:31.604	15:27:18.841	827.23700
BE	77563	19-FEB-2010	15:25:19.499	15:36:09.118	649.61900
GS	77563	19-FEB-2010	15:50:22.743	16:04:18.104	835.36100
MM	77564	19-FEB-2010	18:08:51.113	18:21:24.503	753.39000
GS	77564	19-FEB-2010	17:30:27.136	17:41:48.042	680.90600
MA	77565	19-FEB-2010	18:53:07.927	18:57:26.265	258.33800
JO	77565	19-FEB-2010	20:07:39.148	20:21:58.385	859.23700
MA	77566	19-FEB-2010	20:25:59.227	20:39:45.063	825.83600
JO	77566	19-FEB-2010	21:47:17.715	22:00:30.488	792.77300
HO	77567	19-FEB-2010	22:59:14.270	23:12:37.771	803.50100
MA	77567	19-FEB-2010	22:08:21.726	22:18:10.475	588.74900

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1.5 - List of corrupted products

Station	Orbit	Time

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

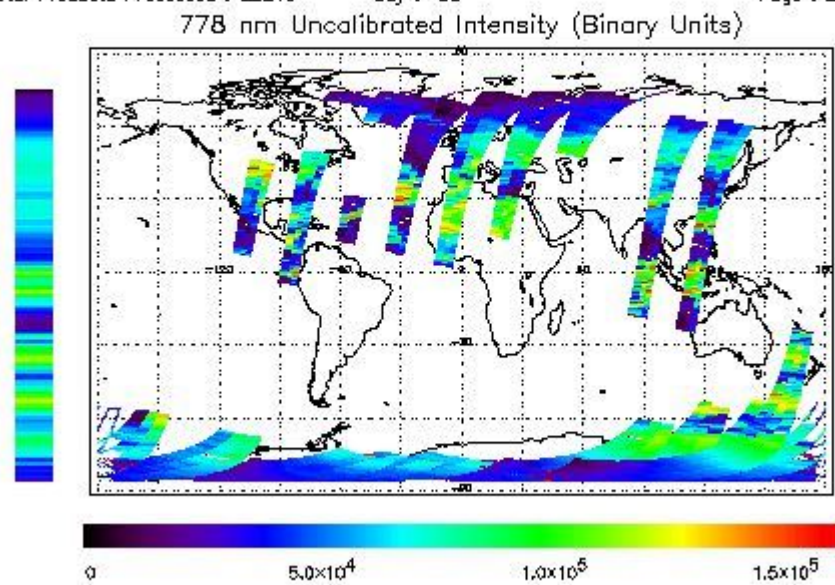
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	OK
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	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-FEB-2010 23:41:31.100 : ORBIT : 77553.6589
 Last Product : 19-FEB-2010 23:22:35.329 : ORBIT : 77567.7850
 Total Products Processed : 22248 Day : 50 Page : 21

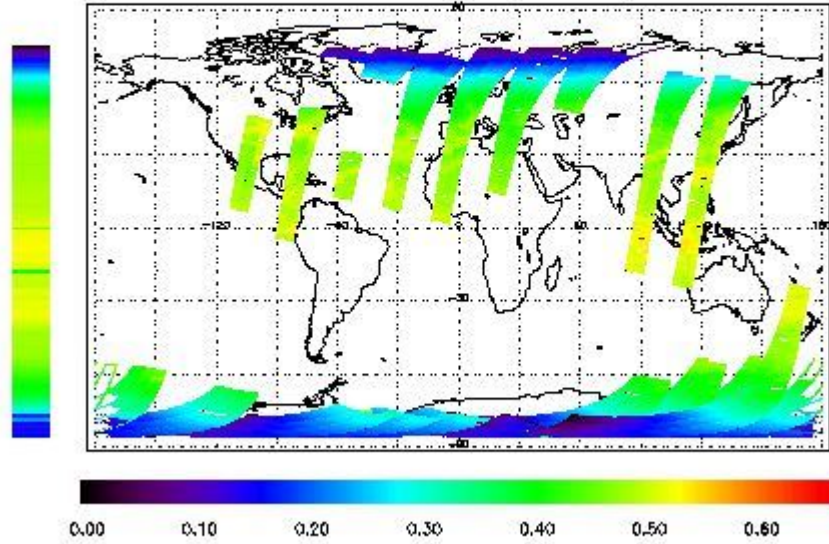


Ozone Line Ratio

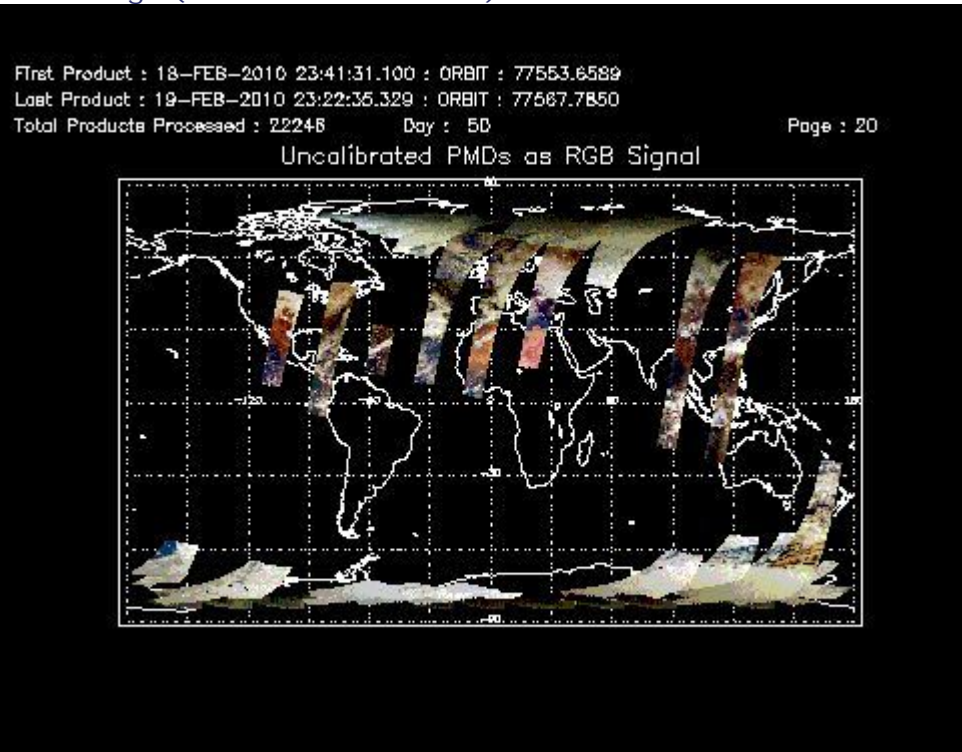
First Product : 18-FEB-2010 23:41:31.100 : ORBIT : 77553.6589
 Last Product : 19-FEB-2010 23:22:35.329 : ORBIT : 77567.7850
 Total Products Processed : 22246 Day : 50

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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	12:26:32.797	--	77561	Yes	--	15124

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