

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	03-APR-2010
Start Time of First Product	01:14:11
Stop Time of Last Product	23:17:50
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_100403BEEP2353.E2	03-APR-2010	03:17:48.836
EGOI_100403GSEP3219.E2	03-APR-2010	01:14:10.580
EGOI_100403GSEP3250.E2	03-APR-2010	02:50:50.175
EGOI_100403GSEP3278.E2	03-APR-2010	04:32:58.294
EGOI_100403GSEP3285.E2	03-APR-2010	06:15:04.921
EGOI_100403KSEP7564.E2	03-APR-2010	06:32:44.026
EGOI_100403KSEP7583.E2	03-APR-2010	08:12:40.142
EGOI_100403KSEP7601.E2	03-APR-2010	09:52:19.748
EGOI_100403KSEP7622.E2	03-APR-2010	11:31:56.364

EGOI_100403KSEP7650.E2	03-APR-2010	13:11:01.466
EGOI_100403KSEP7660.E2	03-APR-2010	14:49:45.573
EGOI_100403KSEP7687.E2	03-APR-2010	16:27:26.666
EGOI_100403KSEP7716.E2	03-APR-2010	18:05:28.769
EGOI_100403KSEP7746.E2	03-APR-2010	19:43:38.367
EGOI_100403KSEP7767.E2	03-APR-2010	21:24:08.986
EGOI_100403KSEP7790.E2	03-APR-2010	23:06:56.109
EGOI_100403MAEP0633.E2	03-APR-2010	08:21:02.693
EGOI_100403MAEP0647.E2	03-APR-2010	09:59:48.299
EGOI_100403MAEP0664.E2	03-APR-2010	21:16:32.939
EGOI_100403MIEP8247.E2	03-APR-2010	02:47:20.155
EGOI_100403MIEP8275.E2	03-APR-2010	04:27:02.759
EGOI_100403MIEP8303.E2	03-APR-2010	15:07:32.175
EGOI_100403MIEP8332.E2	03-APR-2010	16:46:31.287
EGOI_100403MMEP5762.E2	03-APR-2010	02:11:55.932
EGOI_100403MMEP5773.E2	03-APR-2010	10:40:12.545
EGOI_100403MMEP5781.E2	03-APR-2010	12:20:13.153
EGOI_100403MMEP5791.E2	03-APR-2010	17:19:35.987
EGOI_100403MMEP5800.E2	03-APR-2010	20:37:38.696
EGOI_100403MMEP5808.E2	03-APR-2010	22:17:45.308
EGOI_100403MSEP0618.E2	03-APR-2010	10:07:43.847
EGOI_100403MSEP0647.E2	03-APR-2010	11:44:56.437
EGOI_100403MSEP0670.E2	03-APR-2010	13:26:22.557
EGOI_100403MSEP0685.E2	03-APR-2010	21:18:49.455
EGOI_100403MSEP0717.E2	03-APR-2010	22:53:30.531

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78173	03-APR-2010	06:31:41.552	06:32:44.025	62.473000
KS	78174	03-APR-2010	08:10:55.269	08:12:40.141	104.87200
KS	78175	03-APR-2010	09:50:32.505	09:52:19.748	107.24300
KS	78176	03-APR-2010	11:30:04.684	11:31:56.364	111.68000
KS	78177	03-APR-2010	13:09:14.133	13:11:01.465	107.33200
KS	78178	03-APR-2010	14:47:54.578	14:49:45.572	110.99400
KS	78179	03-APR-2010	16:25:34.473	16:27:26.665	112.19200
KS	78180	03-APR-2010	18:03:21.503	18:05:28.769	127.26600
KS	78181	03-APR-2010	19:42:13.408	19:43:38.366	84.958000
KS	78182	03-APR-2010	21:22:49.748	21:24:08.986	79.238000
KS	78183	03-APR-2010	23:05:52.107	23:06:56.109	64.002000
GS	78170	03-APR-2010	01:12:49.776	01:14:10.580	80.804000

GS	78172	03-APR-2010	04:31:44.539	04:32:58.293	73.754000
MS	78175	03-APR-2010	10:06:04.973	10:07:43.847	98.874000
MS	78176	03-APR-2010	11:43:00.115	11:44:56.436	116.32100
MS	78177	03-APR-2010	13:24:37.357	13:26:22.557	105.20000
MS	78183	03-APR-2010	22:52:17.542	22:53:30.530	72.988000
MA	78175	03-APR-2010	09:58:34.950	09:59:48.298	73.348000
MA	78182	03-APR-2010	21:14:32.647	21:16:32.939	120.29200
MI	78171	03-APR-2010	02:45:41.314	02:47:20.154	98.840000
MI	78172	03-APR-2010	04:25:23.750	04:27:02.758	99.008000
MI	78178	03-APR-2010	15:05:55.412	15:07:32.175	96.763000
MI	78179	03-APR-2010	16:44:54.305	16:46:31.286	96.981000
MM	78179	03-APR-2010	17:17:52.393	17:19:35.987	103.59400
MM	78181	03-APR-2010	20:36:23.246	20:37:38.695	75.449000
MM	78182	03-APR-2010	22:16:23.817	22:17:45.307	81.490000
BE	78171	03-APR-2010	03:15:55.648	03:17:48.836	113.18800

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	78169	03-APR-2010	00:17:43.768	00:32:21.928	878.16000
MM	78169	03-APR-2010	00:29:18.005	00:40:20.541	662.53600
HO	78170	03-APR-2010	02:01:23.662	02:09:30.572	486.91000
MM	78171	03-APR-2010	03:54:42.807	04:01:23.729	400.92200
SG	78171	03-APR-2010	03:26:54.320	03:40:47.490	833.17000
CM	78171	03-APR-2010	02:47:04.416	02:54:14.445	430.02900
CM	78171	03-APR-2010	04:23:24.816	04:35:36.946	732.13000
BE	78172	03-APR-2010	04:57:01.578	05:04:59.168	477.59000
MM	78172	03-APR-2010	05:37:21.540	05:43:10.768	349.22800
MM	78173	03-APR-2010	07:18:41.021	07:26:08.467	447.44600
JO	78173	03-APR-2010	06:58:14.379	07:10:06.652	712.27300
MM	78174	03-APR-2010	08:59:13.570	09:09:01.773	588.20300
JO	78174	03-APR-2010	08:35:37.772	08:50:27.894	890.12200
HO	78176	03-APR-2010	12:28:22.885	12:42:52.450	869.56500
MA	78176	03-APR-2010	11:40:00.578	11:46:53.141	412.56300
HO	78177	03-APR-2010	14:07:57.007	14:21:12.622	795.61500
MM	78177	03-APR-2010	13:59:09.945	14:11:53.869	763.92400

SG	78177	03-APR-2010	14:23:59.302	14:34:58.459	659.15700
BE	78178	03-APR-2010	14:32:41.449	14:45:52.164	790.71500
MM	78178	03-APR-2010	15:38:38.725	15:51:15.624	756.89900
GS	78178	03-APR-2010	14:59:34.224	15:12:23.781	769.55700
SG	78178	03-APR-2010	16:02:02.615	16:15:05.607	782.99200
CM	78178	03-APR-2010	15:10:31.855	15:17:36.437	424.58200
GS	78179	03-APR-2010	16:38:47.541	16:52:12.673	805.13200
CM	78179	03-APR-2010	16:47:23.223	16:59:31.459	728.23600
MM	78180	03-APR-2010	18:57:00.608	19:09:38.037	757.42900
GS	78180	03-APR-2010	18:19:53.672	18:27:14.799	441.12700
JO	78180	03-APR-2010	19:18:19.646	19:28:33.284	613.63800
MA	78181	03-APR-2010	19:36:04.545	19:48:01.386	716.84100
JO	78181	03-APR-2010	20:55:35.771	21:10:34.490	898.71900
HO	78182	03-APR-2010	22:09:58.011	22:20:56.319	658.30800
JO	78182	03-APR-2010	22:37:32.163	22:45:33.097	480.93400
HO	78183	03-APR-2010	23:46:41.147	00:01:06.908	865.76100

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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	North Polar View operations
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK

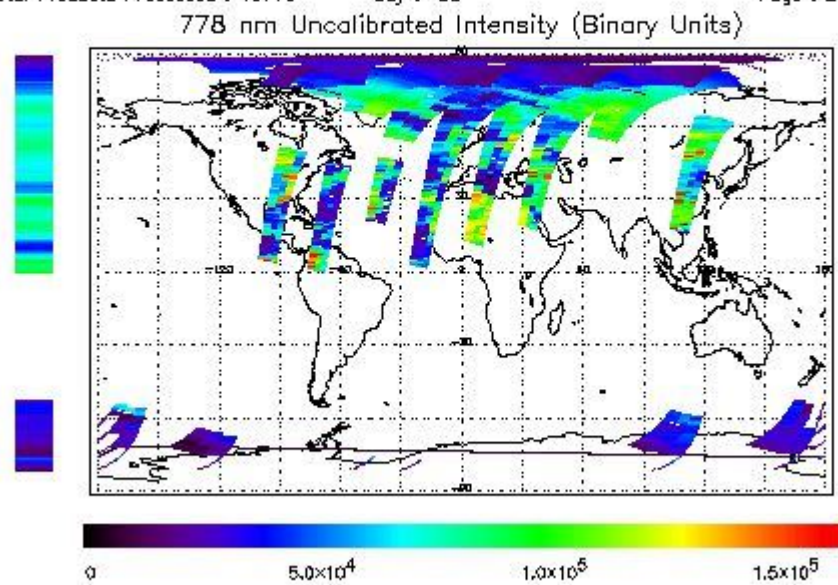
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel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

FRet Product : 03-APR-2010 01:14:10.580 : ORBIT : 78170.0942
 Last Product : 03-APR-2010 23:17:50.175 : ORBIT : 78183.2520
 Total Products Processed : 16773 Day : 93 Page : 21

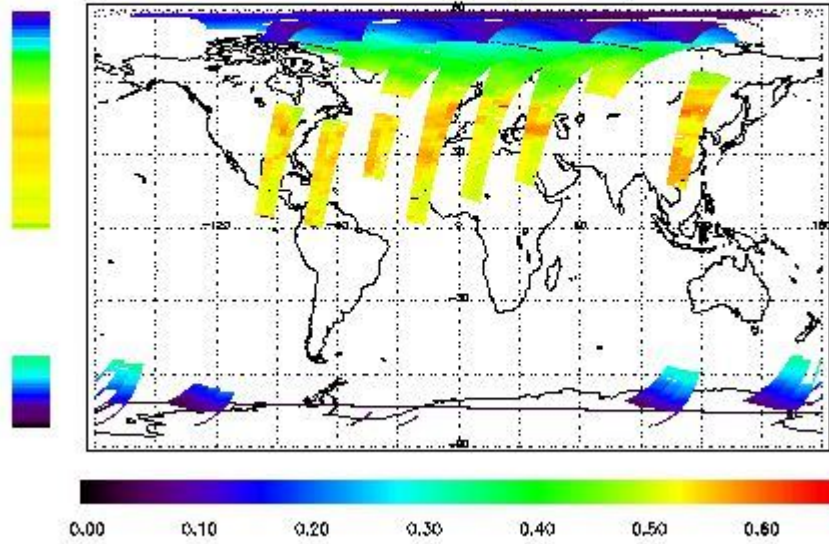


Ozone Line Ratio

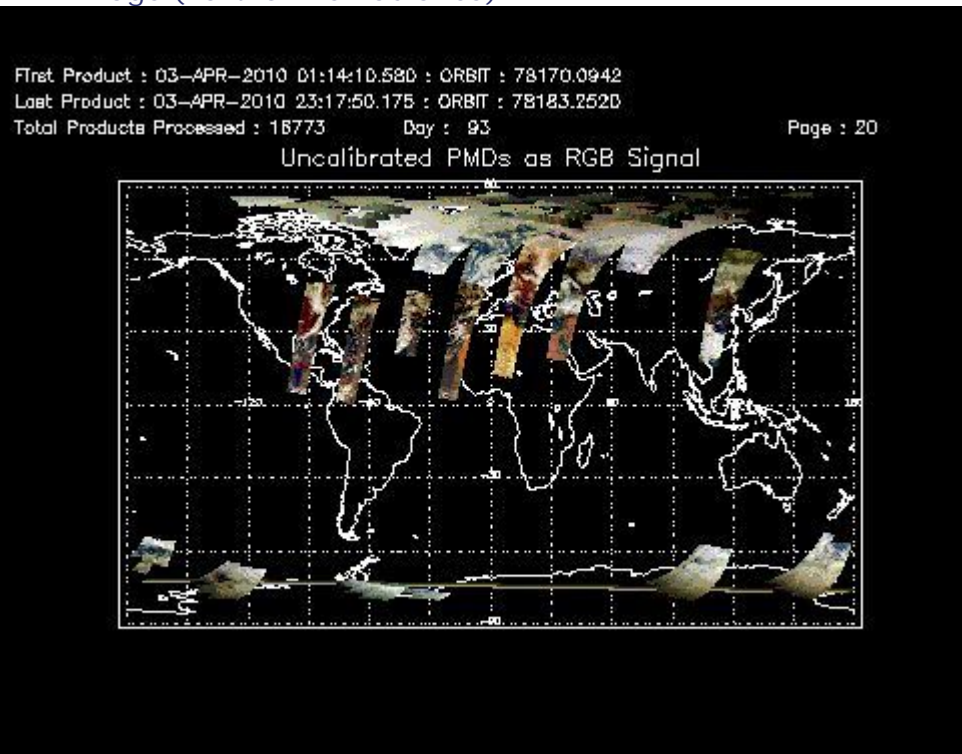
First Product : 03-APR-2010 01:14:10.580 : ORBIT : 78170.0942
 Last Product : 03-APR-2010 23:17:50.175 : ORBIT : 78183.2520
 Total Products Processed : 18773 Day : 93

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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	19:52:29.422	--	78181	Yes	--	15236

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
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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
--	--	--	--	--

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
--	--	--	--

5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
07:00 10-Mar	--	77830	--

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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