

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	12-MAY-2010
Start Time of First Product	00:40:58
Stop Time of Last Product	22:51:57
Number of EGOI Products analysed	34
Number of corrupted products	--
Anomalies and/or Special Operations	no solar measurements available due to the execution of an ERS-2 orbit manoeuvre

1.2 - List of received products

Name	Date	Time
EGOI_100512BEEP2693.E2	12-MAY-2010	02:51:58.848
EGOI_100512BEEP2699.E2	12-MAY-2010	04:32:17.461
EGOI_100512GSEP6161.E2	12-MAY-2010	02:25:21.180
EGOI_100512GSEP6191.E2	12-MAY-2010	04:05:56.301
EGOI_100512GSEP6198.E2	12-MAY-2010	05:48:25.430
EGOI_100512KSEP7079.E2	12-MAY-2010	07:46:21.645
EGOI_100512KSEP7100.E2	12-MAY-2010	09:26:26.763
EGOI_100512KSEP7130.E2	12-MAY-2010	11:06:03.373
EGOI_100512KSEP7159.E2	12-MAY-2010	12:45:20.480

EGOI_100512KSEP7183.E2	12-MAY-2010	14:25:55.594
EGOI_100512KSEP7211.E2	12-MAY-2010	16:01:57.682
EGOI_100512KSEP7240.E2	12-MAY-2010	17:39:55.285
EGOI_100512KSEP7272.E2	12-MAY-2010	19:17:43.884
EGOI_100512KSEP7303.E2	12-MAY-2010	20:57:45.994
EGOI_100512KSEP7330.E2	12-MAY-2010	22:40:04.620
EGOI_100512MAEP2138.E2	12-MAY-2010	09:34:05.810
EGOI_100512MAEP2153.E2	12-MAY-2010	11:13:42.416
EGOI_100512MIEP2373.E2	12-MAY-2010	02:22:33.164
EGOI_100512MIEP2399.E2	12-MAY-2010	04:01:11.266
EGOI_100512MIEP2420.E2	12-MAY-2010	14:42:45.196
EGOI_100512MIEP2435.E2	12-MAY-2010	16:20:23.299
EGOI_100512MMEP8230.E2	12-MAY-2010	01:45:26.936
EGOI_100512MMEP8241.E2	12-MAY-2010	10:14:04.556
EGOI_100512MMEP8248.E2	12-MAY-2010	11:54:35.166
EGOI_100512MMEP8257.E2	12-MAY-2010	13:33:55.274
EGOI_100512MMEP8265.E2	12-MAY-2010	15:13:28.885
EGOI_100512MMEP8272.E2	12-MAY-2010	16:53:12.995
EGOI_100512MSEP5188.E2	12-MAY-2010	00:40:58.042
EGOI_100512MSEP5204.E2	12-MAY-2010	11:19:06.448
EGOI_100512MSEP5228.E2	12-MAY-2010	12:59:20.563
EGOI_100512MSEP5262.E2	12-MAY-2010	22:28:10.550
EGOI_100512SGEP5570.E2	12-MAY-2010	03:03:13.914
EGOI_100512SGEP5577.E2	12-MAY-2010	04:43:40.027
EGOI_100512SGEP5584.E2	12-MAY-2010	14:01:05.946

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78732	12-MAY-2010	07:45:19.977	07:46:21.644	61.667000
KS	78733	12-MAY-2010	09:24:55.280	09:26:26.762	91.482000
KS	78734	12-MAY-2010	11:04:30.407	11:06:03.373	92.966000
KS	78735	12-MAY-2010	12:43:47.537	12:45:20.480	92.943000
KS	78736	12-MAY-2010	14:22:36.518	14:25:55.593	199.07500
KS	78737	12-MAY-2010	16:00:23.187	16:01:57.682	94.495000
KS	78738	12-MAY-2010	17:38:18.197	17:39:55.284	97.087000
KS	78739	12-MAY-2010	19:16:39.544	19:17:43.883	64.339000
KS	78740	12-MAY-2010	20:56:45.545	20:57:45.994	60.449000
MS	78734	12-MAY-2010	11:17:31.029	11:19:06.448	95.419000
MS	78735	12-MAY-2010	12:57:51.168	12:59:20.563	89.395000
MA	78733	12-MAY-2010	09:33:01.274	09:34:05.810	64.536000

MI	78729	12-MAY-2010	02:21:12.585	02:22:33.163	80.578000
MI	78730	12-MAY-2010	03:59:05.033	04:01:11.265	126.23200
MI	78736	12-MAY-2010	14:41:30.802	14:42:45.195	74.393000
MI	78737	12-MAY-2010	16:19:01.548	16:20:23.299	81.751000
BE	78729	12-MAY-2010	02:50:22.147	02:51:58.847	96.700000
BE	78730	12-MAY-2010	04:30:39.496	04:32:17.461	97.965000
SG	78729	12-MAY-2010	03:01:37.769	03:03:13.913	96.144000
SG	78729	12-MAY-2010	03:12:58.972	03:15:05.081	126.10900
SG	78730	12-MAY-2010	04:42:31.562	04:43:40.027	68.465000
SG	78735	12-MAY-2010	14:03:13.457	14:07:31.787	258.33000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	78727	11-MAY-2010	23:52:19.125	00:06:48.354	869.22900
MM	78727	12-MAY-2010	00:03:09.003	00:14:35.454	686.45100
HO	78728	12-MAY-2010	01:33:31.004	01:45:08.440	697.43600
GS	78728	12-MAY-2010	00:48:42.893	00:57:26.790	523.89700
MM	78729	12-MAY-2010	03:28:11.579	03:35:25.400	433.82100
CM	78729	12-MAY-2010	03:57:48.329	04:10:11.652	743.32300
MM	78730	12-MAY-2010	05:11:05.070	05:16:52.013	346.94300
MM	78731	12-MAY-2010	06:52:44.021	06:59:37.081	413.06000
KS	78731	12-MAY-2010	06:06:28.814	06:12:13.969	345.15500
CM	78731	12-MAY-2010	05:42:08.654	05:44:49.524	160.87000
JO	78731	12-MAY-2010	06:34:33.508	06:43:24.014	530.50600
MM	78732	12-MAY-2010	08:33:24.819	08:42:38.422	553.60300
MA	78732	12-MAY-2010	07:55:59.130	08:01:45.735	346.60500
JO	78732	12-MAY-2010	08:10:00.071	08:25:00.926	900.85500
JO	78733	12-MAY-2010	09:52:27.584	10:01:56.748	569.16400
HO	78734	12-MAY-2010	12:03:02.250	12:16:30.724	808.47400
HO	78735	12-MAY-2010	13:42:05.675	13:56:32.609	866.93400
BE	78736	12-MAY-2010	14:06:58.851	14:20:23.829	804.97800
HO	78736	12-MAY-2010	15:23:29.993	15:30:49.088	439.09500
GS	78736	12-MAY-2010	14:34:26.850	14:45:24.784	657.93400
SG	78736	12-MAY-2010	15:36:10.103	15:49:59.332	829.22900
BE	78737	12-MAY-2010	15:49:31.145	15:57:56.862	505.71700

GS	78737	12-MAY-2010	16:13:07.081	16:26:58.434	831.35300
CM	78737	12-MAY-2010	16:21:46.010	16:34:10.545	744.53500
MM	78738	12-MAY-2010	18:31:30.640	18:44:05.745	755.10500
GS	78738	12-MAY-2010	17:53:35.725	18:03:24.139	588.41400
CM	78738	12-MAY-2010	18:04:52.836	18:08:28.101	215.26500
MM	78739	12-MAY-2010	20:10:47.283	20:23:30.701	763.41800
MA	78739	12-MAY-2010	19:13:16.670	19:21:17.611	480.94100
JO	78739	12-MAY-2010	20:30:06.070	20:45:01.157	895.08700
HO	78740	12-MAY-2010	21:46:15.819	21:54:40.215	504.39600
MM	78740	12-MAY-2010	21:50:36.021	22:03:12.119	756.09800
MA	78740	12-MAY-2010	20:48:34.175	21:02:17.067	822.89200
JO	78740	12-MAY-2010	22:10:39.807	22:22:04.566	684.75900
HO	78741	12-MAY-2010	23:21:18.968	23:35:29.598	850.63000
MM	78741	12-MAY-2010	23:31:17.288	23:43:08.218	710.93000
MA	78741	12-MAY-2010	22:32:49.836	22:39:50.150	420.31400

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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

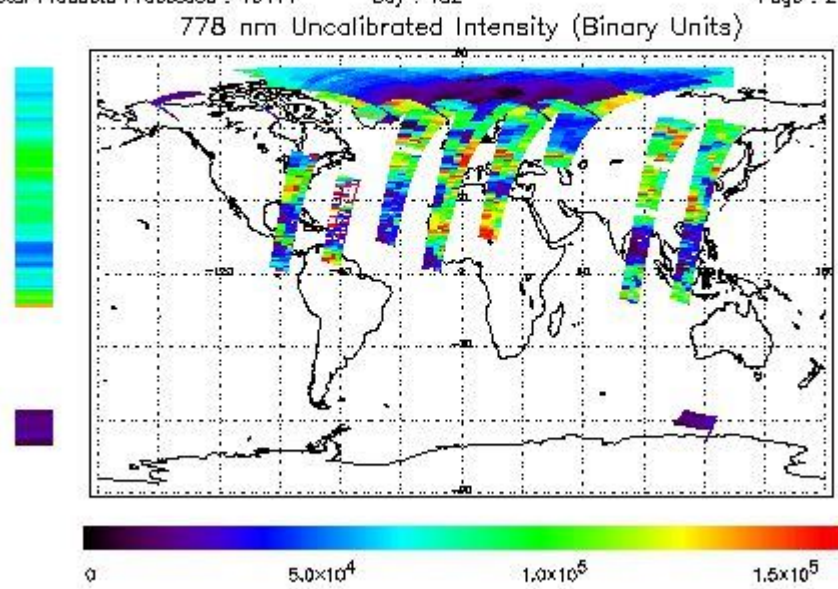
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	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 : 12-MAY-2010 00:40:58.042 : ORBIT : 78728.0213
 Last Product : 12-MAY-2010 22:51:57.194 : ORBIT : 78741.2519
 Total Products Processed : 18414 Day : 132 Page : 21

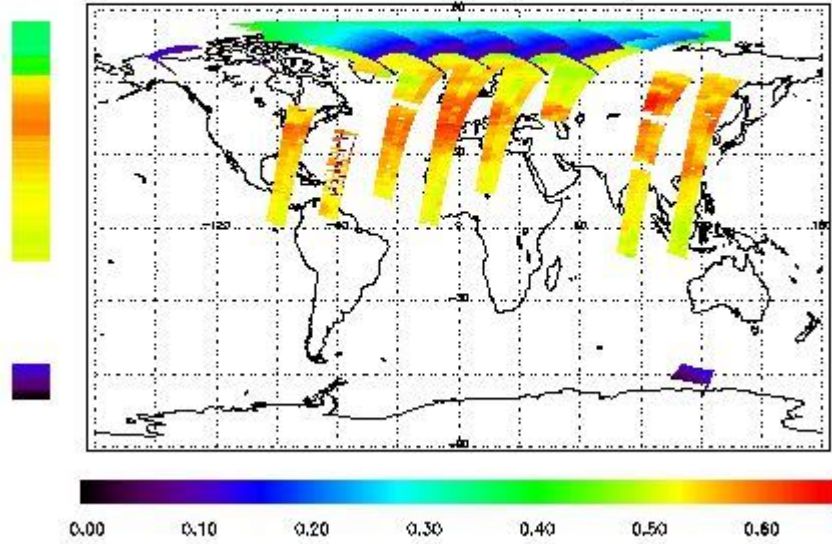


Ozone Line Ratio

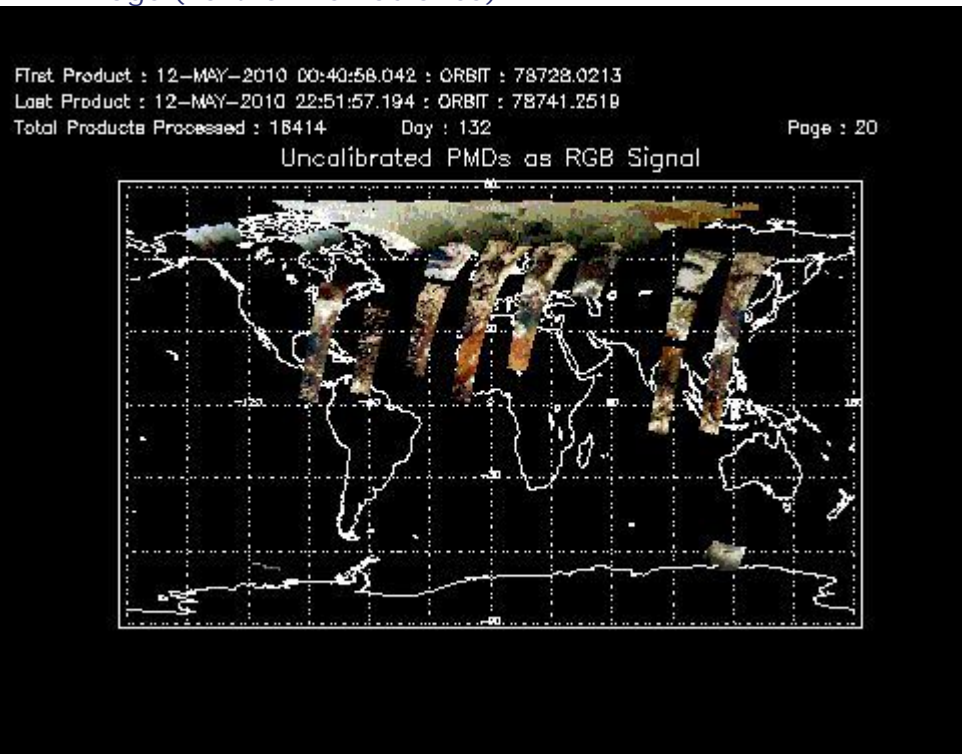
First Product : 12-MAY-2010 00:40:58.042 : ORBIT : 78728.0213
 Last Product : 12-MAY-2010 22:51:57.194 : ORBIT : 78741.2519
 Total Products Processed : 18414 Day : 132

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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)
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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
--	--	--

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