

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	22-MAY-2010
Start Time of First Product	23:52:17 (21-May)
Stop Time of Last Product	23:30:33
Number of EGOI Products analysed	33
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath activated on 21-MAY-2010 continued

1.2 - List of received products

Name	Date	Time
EGOI_100522BEEP2805.E2	22-MAY-2010	02:37:55.719
EGOI_100522BEEP2811.E2	22-MAY-2010	04:17:45.817
EGOI_100522GSEP6914.E2	22-MAY-2010	02:11:27.059
EGOI_100522GSEP6923.E2	22-MAY-2010	05:34:05.778
EGOI_100522KSEP9674.E2	22-MAY-2010	07:32:10.992
EGOI_100522KSEP9704.E2	22-MAY-2010	09:12:10.092
EGOI_100522KSEP9726.E2	22-MAY-2010	10:51:49.693
EGOI_100522KSEP9756.E2	22-MAY-2010	12:31:09.788
EGOI_100522KSEP9781.E2	22-MAY-2010	14:10:07.387

EGOI_100522KSEP9807.E2	22-MAY-2010	15:48:00.479
EGOI_100522KSEP9836.E2	22-MAY-2010	17:25:53.574
EGOI_100522KSEP9868.E2	22-MAY-2010	19:03:45.165
EGOI_100522KSEP9899.E2	22-MAY-2010	20:43:21.775
EGOI_100522KSEP9921.E2	22-MAY-2010	22:25:19.394
EGOI_100522MAEP2486.E2	22-MAY-2010	10:59:27.236
EGOI_100522MAEP2500.E2	22-MAY-2010	22:17:20.843
EGOI_100522MIEP3395.E2	22-MAY-2010	02:09:13.547
EGOI_100522MIEP3425.E2	22-MAY-2010	03:46:05.133
EGOI_100522MIEP3448.E2	22-MAY-2010	14:29:42.004
EGOI_100522MIEP3473.E2	22-MAY-2010	16:06:12.592
EGOI_100522MMEP8752.E2	21-MAY-2010	23:52:17.222
EGOI_100522MMEP8758.E2	22-MAY-2010	01:34:04.340
EGOI_100522MMEP8765.E2	22-MAY-2010	04:59:26.567
EGOI_100522MMEP8776.E2	22-MAY-2010	13:23:07.102
EGOI_100522MMEP8788.E2	22-MAY-2010	21:41:08.620
EGOI_100522MMEP8794.E2	22-MAY-2010	23:21:03.227
EGOI_100522MSEP6299.E2	22-MAY-2010	00:26:17.421
EGOI_100522MSEP6324.E2	22-MAY-2010	11:05:03.272
EGOI_100522MSEP6351.E2	22-MAY-2010	12:44:47.376
EGOI_100522MSEP6375.E2	22-MAY-2010	22:14:26.824
EGOI_100522SGEP5819.E2	22-MAY-2010	02:56:36.332
EGOI_100522SGEP5826.E2	22-MAY-2010	04:35:45.926
EGOI_100522SGEP5833.E2	22-MAY-2010	17:08:24.968

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78875	22-MAY-2010	07:31:07.813	07:32:10.992	63.179000
KS	78876	22-MAY-2010	09:10:41.218	09:12:10.091	88.873000
KS	78877	22-MAY-2010	10:50:17.507	10:51:49.692	92.185000
KS	78878	22-MAY-2010	12:29:38.333	12:31:09.787	91.454000
KS	78879	22-MAY-2010	14:08:31.234	14:10:07.387	96.153000
KS	78880	22-MAY-2010	15:46:25.765	15:48:00.478	94.713000
KS	78881	22-MAY-2010	17:24:18.516	17:25:53.574	95.058000
KS	78882	22-MAY-2010	19:02:30.153	19:03:45.165	75.012000
KS	78883	22-MAY-2010	20:42:20.352	20:43:21.774	61.422000
KS	78884	22-MAY-2010	22:24:17.861	22:25:19.393	61.532000
MS	78871	22-MAY-2010	00:24:58.334	00:26:17.421	79.087000
MS	78877	22-MAY-2010	11:03:28.052	11:05:03.271	95.219000
MS	78878	22-MAY-2010	12:43:10.566	12:44:47.376	96.810000

MS	78885	22-MAY-2010	23:52:23.174	23:53:39.430	76.256000
MI	78872	22-MAY-2010	02:07:55.232	02:09:13.546	78.314000
MI	78873	22-MAY-2010	03:44:41.309	03:46:05.132	83.823000
MI	78879	22-MAY-2010	14:28:29.537	14:29:42.004	72.467000
MI	78880	22-MAY-2010	16:04:46.282	16:06:12.592	86.310000
MM	78870	21-MAY-2010	23:48:39.233	23:52:17.222	217.98900
MM	78871	22-MAY-2010	01:30:35.680	01:34:04.339	208.65900
MM	78873	22-MAY-2010	04:56:26.717	04:59:26.567	179.85000
MM	78878	22-MAY-2010	13:19:17.844	13:23:07.102	229.25800
MM	78883	22-MAY-2010	21:36:17.673	21:41:08.619	290.94600
MM	78884	22-MAY-2010	23:16:50.465	23:21:03.227	252.76200
BE	78872	22-MAY-2010	02:36:14.397	02:37:55.718	101.32100
BE	78873	22-MAY-2010	04:16:09.711	04:17:45.816	96.105000
SG	78872	22-MAY-2010	02:47:47.171	02:56:36.332	529.16100
SG	78873	22-MAY-2010	04:27:34.919	04:35:45.926	491.00700

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	78871	22-MAY-2010	01:18:39.508	01:31:19.391	759.88300
GS	78871	22-MAY-2010	00:35:33.461	00:42:46.614	433.15300
MM	78872	22-MAY-2010	03:13:27.492	03:21:01.096	453.60400
CM	78872	22-MAY-2010	03:43:47.133	03:55:54.806	727.67300
GS	78873	22-MAY-2010	03:50:17.158	04:03:09.447	772.28900
MM	78874	22-MAY-2010	06:38:17.454	06:44:53.260	395.80600
KS	78874	22-MAY-2010	05:52:41.827	05:56:43.246	241.41900
CM	78874	22-MAY-2010	05:25:39.731	05:32:48.299	428.56800
JO	78874	22-MAY-2010	06:22:01.994	06:28:01.964	359.97000
MM	78875	22-MAY-2010	08:19:03.787	08:27:57.327	533.54000
JO	78875	22-MAY-2010	07:55:55.595	08:10:46.584	890.98900
MM	78876	22-MAY-2010	09:59:22.863	10:10:21.010	658.14700
MA	78876	22-MAY-2010	09:19:00.980	09:32:20.898	799.91800
JO	78876	22-MAY-2010	09:37:12.120	09:48:35.834	683.71400
MM	78877	22-MAY-2010	11:39:27.155	11:51:41.054	733.89900
HO	78879	22-MAY-2010	15:08:50.649	15:17:23.736	513.08700
MM	78879	22-MAY-2010	14:58:53.218	15:11:33.849	760.63100

GS	78879	22-MAY-2010	14:20:37.972	14:30:54.262	616.29000
SG	78879	22-MAY-2010	15:21:58.720	15:35:51.289	832.56900
BE	78880	22-MAY-2010	15:34:18.815	15:44:23.439	604.62400
MM	78880	22-MAY-2010	16:38:12.365	16:50:44.788	752.42300
GS	78880	22-MAY-2010	15:58:53.797	16:12:49.830	836.03300
CM	78880	22-MAY-2010	16:07:41.543	16:19:53.178	731.63500
MM	78881	22-MAY-2010	18:17:20.904	18:29:54.887	753.98300
MI	78881	22-MAY-2010	17:47:23.317	17:52:32.378	309.06100
GS	78881	22-MAY-2010	17:39:06.797	17:49:56.266	649.46900
CM	78881	22-MAY-2010	17:49:02.211	17:56:15.842	433.63100
MM	78882	22-MAY-2010	19:56:34.921	20:09:17.544	762.62300
MA	78882	22-MAY-2010	19:00:51.429	19:05:59.761	308.33200
JO	78882	22-MAY-2010	20:16:02.666	20:30:39.248	876.58200
MA	78883	22-MAY-2010	20:34:25.645	20:48:06.172	820.52700
JO	78883	22-MAY-2010	21:56:01.261	22:08:39.125	757.86400
HO	78884	22-MAY-2010	23:07:28.546	23:21:12.868	824.32200

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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 Temperatures B	OK
Charge Amp Temperatures	OK

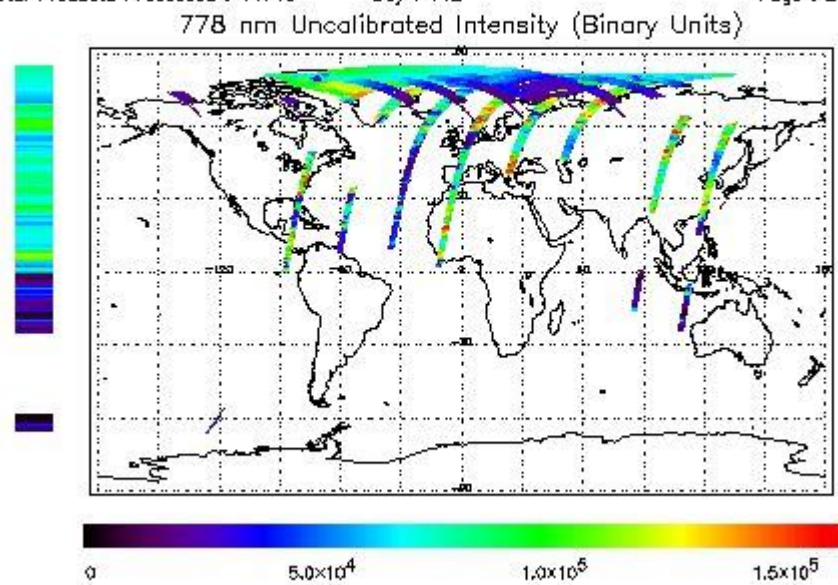
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 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 : 21-MAY-2010 23:52:17.222 : ORBIT : 78870.6802
 Last Product : 22-MAY-2010 23:30:33.285 : ORBIT : 78884.7785
 Total Products Processed : 14748 Day : 142 Page : 21

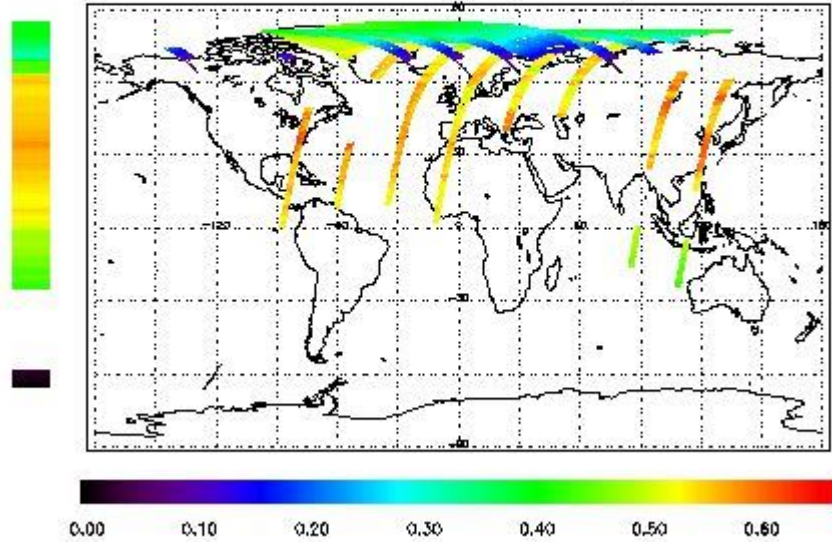


Ozone Line Ratio

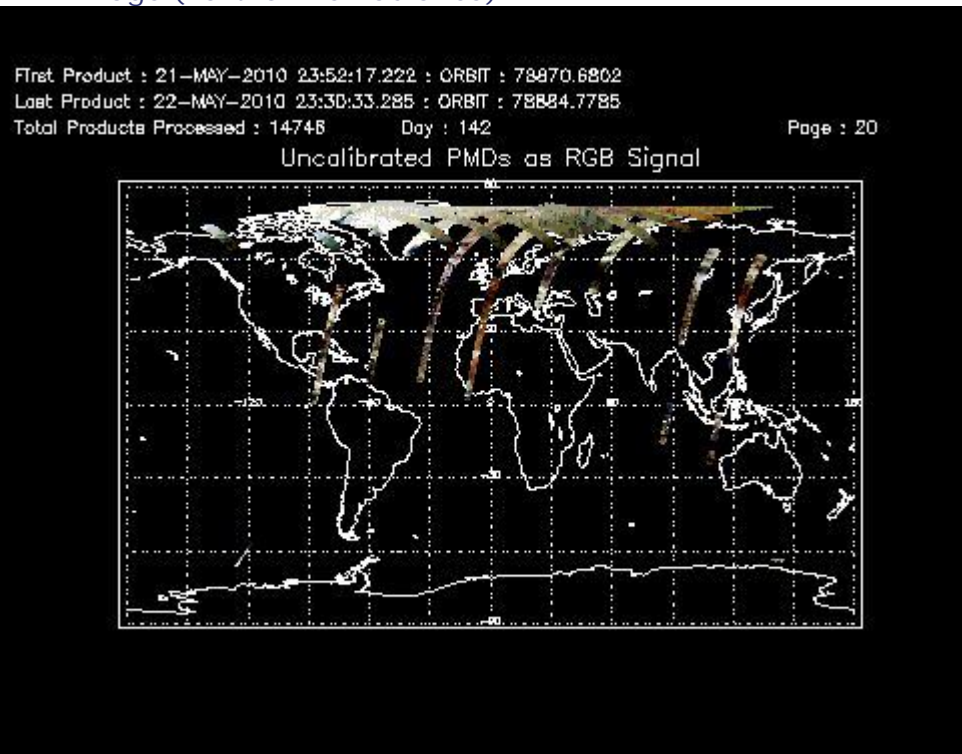
First Product : 21-MAY-2010 23:52:17.222 : ORBIT : 78870.6802
 Last Product : 22-MAY-2010 23:30:33.285 : ORBIT : 78884.7785
 Total Products Processed : 14748 Day : 142

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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	17:27:08.585	--	78881	Yes	--	14458

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
--	--	--	--	--

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
--	--	--	--	--

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
21:00	--	78868	--

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