

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	22-SEP-2010
Start Time of First Product	00:24:39
Stop Time of Last Product	23:12:37
Number of EGOI Products analysed	35
Number of corrupted products	--
Anomalies and/or Special Operations	no solar calibration measurements available due to the execution of an ERS2 orbit manoeuvre

1.2 - List of received products

Name	Date	Time
EGOI_100922GSEP5535.E2	22-SEP-2010	01:09:00.143
EGOI_100922GSEP5554.E2	22-SEP-2010	02:45:51.738
EGOI_100922GSEP5578.E2	22-SEP-2010	04:27:26.861
EGOI_100922KSEP7502.E2	22-SEP-2010	06:27:30.593
EGOI_100922KSEP7521.E2	22-SEP-2010	08:07:25.207
EGOI_100922KSEP7542.E2	22-SEP-2010	09:47:04.813
EGOI_100922KSEP7563.E2	22-SEP-2010	11:26:42.927
EGOI_100922KSEP7581.E2	22-SEP-2010	13:05:49.530
EGOI_100922KSEP7590.E2	22-SEP-2010	14:44:36.637

EGOI_100922KSEP7616.E2	22-SEP-2010	16:22:17.732
EGOI_100922KSEP7646.E2	22-SEP-2010	18:00:21.336
EGOI_100922KSEP7676.E2	22-SEP-2010	19:38:21.941
EGOI_100922KSEP7698.E2	22-SEP-2010	21:18:45.052
EGOI_100922KSEP7723.E2	22-SEP-2010	23:01:30.683
EGOI_100922MAEP7365.E2	22-SEP-2010	09:54:34.860
EGOI_100922MAEP7371.E2	22-SEP-2010	08:15:59.758
EGOI_100922MAEP7386.E2	22-SEP-2010	21:11:13.508
EGOI_100922MIEP1381.E2	22-SEP-2010	02:42:14.215
EGOI_100922MIEP1402.E2	22-SEP-2010	04:21:35.826
EGOI_100922MIEP1424.E2	22-SEP-2010	15:02:32.243
EGOI_100922MIEP1447.E2	22-SEP-2010	16:41:16.351
EGOI_100922MMEP5329.E2	22-SEP-2010	00:24:38.877
EGOI_100922MMEP5338.E2	22-SEP-2010	05:31:58.753
EGOI_100922MMEP5347.E2	22-SEP-2010	07:13:39.875
EGOI_100922MMEP5355.E2	22-SEP-2010	08:58:52.520
EGOI_100922MMEP5361.E2	22-SEP-2010	10:34:59.110
EGOI_100922MMEP5370.E2	22-SEP-2010	13:54:42.333
EGOI_100922MSEP0392.E2	22-SEP-2010	01:03:40.616
EGOI_100922MSEP0408.E2	22-SEP-2010	10:02:48.411
EGOI_100922MSEP0432.E2	22-SEP-2010	11:39:43.007
EGOI_100922MSEP0456.E2	22-SEP-2010	13:20:49.622
EGOI_100922MSEP0469.E2	22-SEP-2010	21:14:28.528
EGOI_100922MSEP0501.E2	22-SEP-2010	22:48:27.608
EGOI_100922SGEP8291.E2	22-SEP-2010	05:07:21.100
EGOI_100922SGEP8299.E2	22-SEP-2010	16:08:56.654

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	80635	22-SEP-2010	06:26:03.949	06:27:30.592	86.643000
KS	80636	22-SEP-2010	08:05:13.971	08:07:25.206	131.23500
KS	80637	22-SEP-2010	09:44:50.921	09:47:04.813	133.89200
KS	80638	22-SEP-2010	11:24:23.850	11:26:42.927	139.07700
KS	80639	22-SEP-2010	13:03:35.122	13:05:49.529	134.40700
KS	80640	22-SEP-2010	14:42:17.470	14:44:36.636	139.16600
KS	80641	22-SEP-2010	16:19:57.530	16:22:17.731	140.20100
KS	80642	22-SEP-2010	17:57:47.708	18:00:21.335	153.62700
KS	80643	22-SEP-2010	19:36:31.974	19:38:21.941	109.96700
KS	80644	22-SEP-2010	21:17:01.358	21:18:45.051	103.69300
KS	80645	22-SEP-2010	22:59:53.725	23:01:30.683	96.958000
GS	80632	22-SEP-2010	01:07:25.936	01:09:00.142	94.206000

GS	80632	22-SEP-2010	01:09:42.146	01:17:47.653	485.50700
GS	80633	22-SEP-2010	02:44:13.192	02:45:51.738	98.546000
GS	80634	22-SEP-2010	04:25:44.276	04:27:26.860	102.58400
MS	80638	22-SEP-2010	11:37:20.348	11:39:43.006	142.65800
MS	80639	22-SEP-2010	13:18:32.075	13:20:49.621	137.54600
MS	80645	22-SEP-2010	22:46:41.103	22:48:27.608	106.50500
MA	80637	22-SEP-2010	09:52:53.293	09:54:34.859	101.56600
MA	80636	22-SEP-2010	08:14:39.805	08:15:59.758	79.953000
MA	80644	22-SEP-2010	21:08:48.205	21:11:13.508	145.30300
MI	80633	22-SEP-2010	02:40:11.928	02:42:14.214	122.28600
MI	80634	22-SEP-2010	04:19:29.860	04:21:35.825	125.96500
MI	80640	22-SEP-2010	15:00:26.092	15:02:32.242	126.15000
MI	80641	22-SEP-2010	16:39:07.658	16:41:16.351	128.69300
MM	80631	22-SEP-2010	00:23:28.959	00:24:38.877	69.918000
MM	80636	22-SEP-2010	08:53:29.517	08:58:52.519	323.00200
MM	80636	22-SEP-2010	09:01:00.034	09:03:10.230	130.19600
MM	80637	22-SEP-2010	10:33:42.964	10:34:59.110	76.146000
MM	80639	22-SEP-2010	13:53:28.373	13:54:42.332	73.959000
MM	80639	22-SEP-2010	13:58:01.848	14:06:12.300	490.45200
MM	80645	22-SEP-2010	23:51:33.079	23:53:02.496	89.417000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	80631	22-SEP-2010	00:12:03.157	00:26:41.160	878.00300
HO	80632	22-SEP-2010	01:55:11.016	02:04:13.709	542.69300
MM	80632	22-SEP-2010	02:05:46.845	02:14:54.636	547.79100
BE	80633	22-SEP-2010	03:10:14.086	03:23:37.434	803.34800
MM	80633	22-SEP-2010	03:48:49.276	03:55:37.114	407.83800
SG	80633	22-SEP-2010	03:21:15.120	03:35:06.919	831.79900
CM	80633	22-SEP-2010	02:42:01.764	02:48:03.529	361.76500
CM	80633	22-SEP-2010	04:17:40.872	04:29:59.947	739.07500
BE	80634	22-SEP-2010	04:51:07.451	04:59:43.598	516.14700
JO	80635	22-SEP-2010	06:52:53.980	07:04:14.009	680.02900
JO	80636	22-SEP-2010	08:29:54.069	08:44:49.833	895.76400
MM	80638	22-SEP-2010	12:13:42.707	12:26:11.018	748.31100

MA	80638	22-SEP-2010	11:34:12.337	11:41:40.297	447.96000
SG	80639	22-SEP-2010	14:18:39.519	14:28:59.881	620.36200
BE	80640	22-SEP-2010	14:26:56.826	14:40:13.416	796.59000
MM	80640	22-SEP-2010	15:32:58.099	15:45:35.536	757.43700
GS	80640	22-SEP-2010	14:53:57.954	15:06:32.461	754.50700
SG	80640	22-SEP-2010	15:56:15.247	16:09:33.320	798.07300
CM	80640	22-SEP-2010	15:05:28.504	15:11:15.882	347.37800
MM	80641	22-SEP-2010	17:12:12.474	17:24:44.016	751.54200
GS	80641	22-SEP-2010	16:33:04.720	16:46:37.648	812.92800
CM	80641	22-SEP-2010	16:41:39.740	16:53:55.976	736.23600
MM	80642	22-SEP-2010	18:51:20.551	19:03:57.441	756.89000
GS	80642	22-SEP-2010	18:14:00.812	18:22:00.163	479.35100
JO	80642	22-SEP-2010	19:13:02.364	19:22:23.665	561.30100
MM	80643	22-SEP-2010	20:30:41.715	20:43:25.699	763.98400
MA	80643	22-SEP-2010	19:30:36.791	19:42:13.427	696.63600
JO	80643	22-SEP-2010	20:49:54.632	21:04:55.706	901.07400
HO	80644	22-SEP-2010	22:04:35.958	22:15:08.172	632.21400
MM	80644	22-SEP-2010	22:10:39.545	22:23:10.235	750.69000
JO	80644	22-SEP-2010	22:31:28.617	22:40:26.555	537.93800
HO	80645	22-SEP-2010	23:41:02.492	23:55:25.473	862.98100

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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	Polar View operated
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

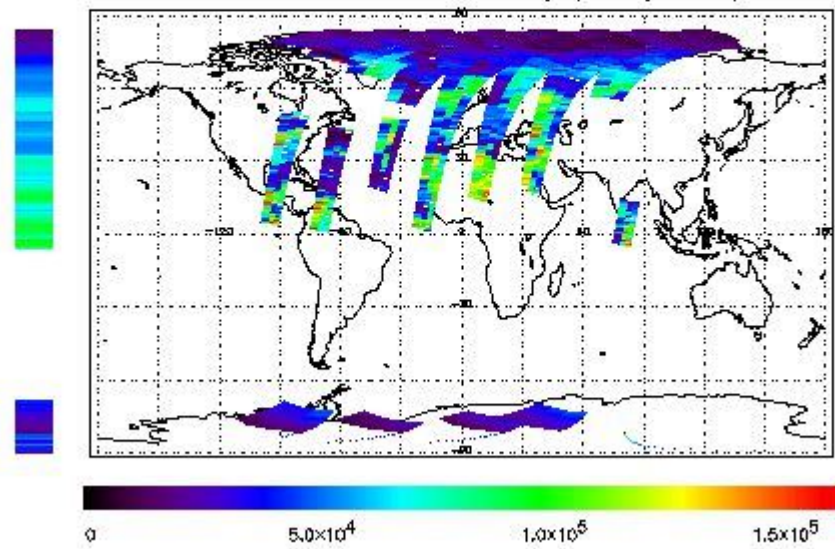
2.2 - Daily Plots

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 : 22-SEP-2010 00:24:38.877 : ORBIT : 80631.6590
 Last Product : 22-SEP-2010 23:12:36.753 : ORBIT : 80646.2573
 Total Products Processed : 14637 Day : 265 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

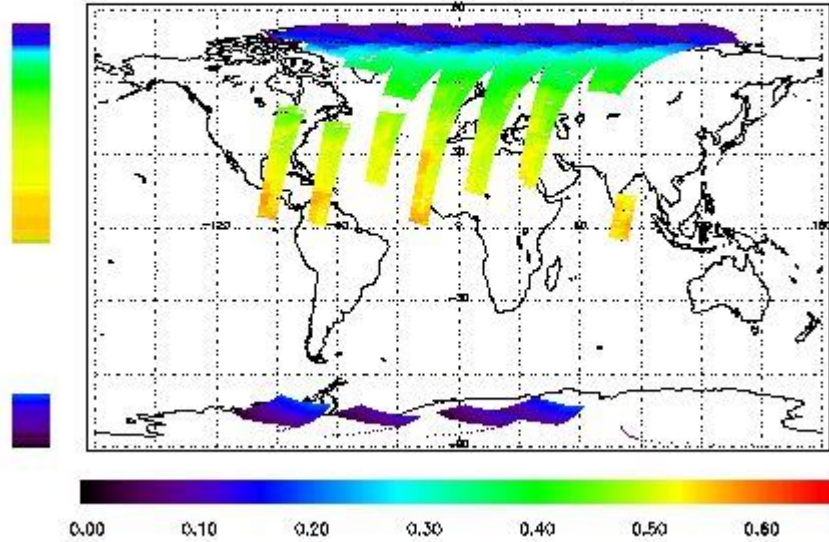


Ozone Line Ratio

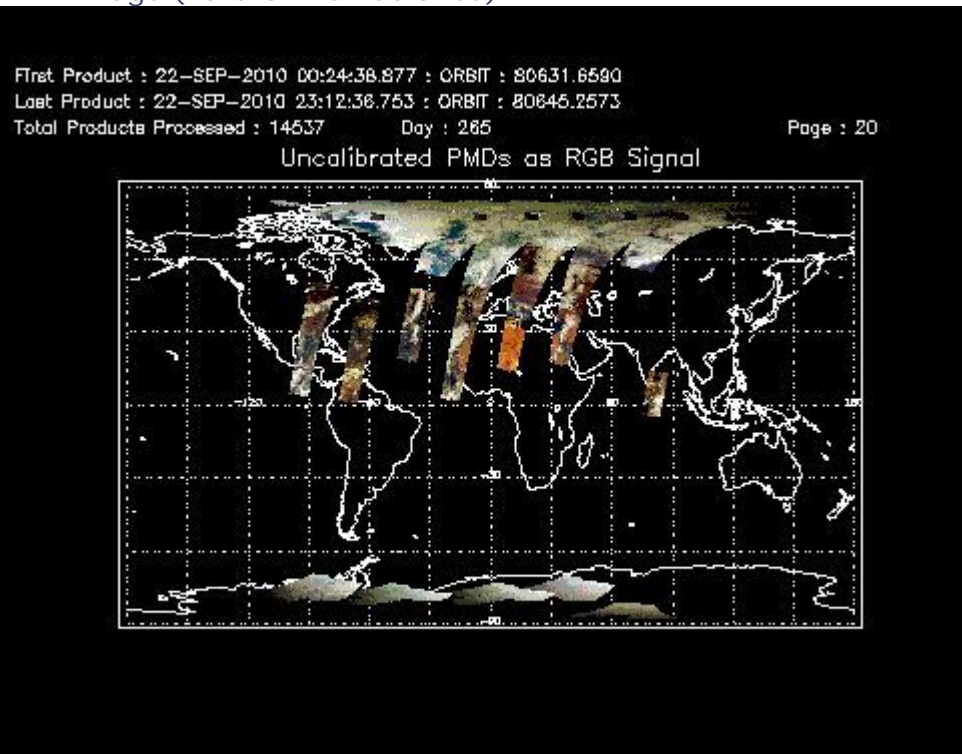
First Product : 22-SEP-2010 00:24:38.877 : ORBIT : 80631.6590
 Last Product : 22-SEP-2010 23:12:36.753 : ORBIT : 80646.2573
 Total Products Processed : 14637 Day : 265

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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
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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
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5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
01:00 05-Sep	--	80388	--

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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