

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3 (2008)
Time of Report Generation	26-MAY-2009
Start Time of First Product	00:36:28
Stop Time of Last Product	23:46:36
Total Number of EGOI Products	40
Number of corrupted products	--
Anomalies and/or Special Operations	--

1.2 - Products used in this report

Name	Date	Time
OI_090526BEEP0005.E2;1	26-MAY-2009	03:24:04.544
EGOI_090526GSEP0895.E2	26-MAY-2009	01:20:00.794
EGOI_090526GSEP0927.E2	26-MAY-2009	02:57:14.880
EGOI_090526GSEP0955.E2	26-MAY-2009	04:39:32.001
EGOI_090526GSEP0962.E2	26-MAY-2009	06:21:32.618
EGOI_090526KSEP2569.E2	25-MAY-2009	23:46:36.223
EGOI_090526KSEP2585.E2	26-MAY-2009	06:39:01.223
EGOI_090526KSEP2606.E2	26-MAY-2009	08:18:54.333
EGOI_090526KSEP2630.E2	26-MAY-2009	09:58:35.439

EGOI_090526KSEP2656.E2	26-MAY-2009	11:38:10.542
EGOI_090526KSEP2676.E2	26-MAY-2009	13:17:12.648
EGOI_090526KSEP2688.E2	26-MAY-2009	14:55:56.747
EGOI_090526KSEP2718.E2	26-MAY-2009	16:33:34.841
EGOI_090526KSEP2751.E2	26-MAY-2009	18:11:32.431
EGOI_090526KSEP2779.E2	26-MAY-2009	19:49:55.530
EGOI_090526KSEP2803.E2	26-MAY-2009	21:30:33.644
EGOI_090526KSEP2832.E2	26-MAY-2009	23:13:28.266
EGOI_090526MAEP9908.E2	26-MAY-2009	08:27:18.384
EGOI_090526MAEP9923.E2	26-MAY-2009	10:06:03.982
EGOI_090526MAEP9940.E2	26-MAY-2009	21:22:48.598
EGOI_090526MIEP9368.E2	26-MAY-2009	02:52:56.852
EGOI_090526MIEP9396.E2	26-MAY-2009	04:33:01.962
EGOI_090526MIEP9424.E2	26-MAY-2009	15:13:08.849
EGOI_090526MIEP9454.E2	26-MAY-2009	16:52:19.950
EGOI_090526MMEP4148.E2	26-MAY-2009	00:36:27.528
EGOI_090526MMEP4156.E2	26-MAY-2009	05:43:47.391
EGOI_090526MMEP4164.E2	26-MAY-2009	09:06:11.118
EGOI_090526MMEP4173.E2	26-MAY-2009	12:26:30.335
EGOI_090526MMEP4179.E2	26-MAY-2009	14:06:14.441
EGOI_090526MMEP4186.E2	26-MAY-2009	15:45:43.547
EGOI_090526MMEP4193.E2	26-MAY-2009	19:04:49.255
EGOI_090526MMEP4200.E2	26-MAY-2009	20:43:51.363
EGOI_090526MMEP4207.E2	26-MAY-2009	22:23:57.965
EGOI_090526MSEP4771.E2	26-MAY-2009	10:13:43.029
EGOI_090526MSEP4801.E2	26-MAY-2009	11:51:07.620
EGOI_090526MSEP4822.E2	26-MAY-2009	13:32:59.239
EGOI_090526MSEP4838.E2	26-MAY-2009	21:24:45.609
EGOI_090526MSEP4866.E2	26-MAY-2009	22:59:46.184
EGOI_090526SGEP7193.E2	26-MAY-2009	03:35:42.114
EGOI_090526SGEP7199.E2	26-MAY-2009	14:31:59.602

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	73707	26-MAY-2009	06:37:19.702	06:39:01.223	101.52100
KS	73708	26-MAY-2009	08:16:36.624	08:18:54.332	137.70800
KS	73709	26-MAY-2009	09:56:14.070	09:58:35.439	141.36900
KS	73710	26-MAY-2009	11:35:45.444	11:38:10.541	145.09700
KS	73711	26-MAY-2009	13:14:53.003	13:17:12.647	139.64400
KS	73712	26-MAY-2009	14:53:31.290	14:55:56.746	145.45600
KS	73713	26-MAY-2009	16:31:09.096	16:33:34.840	145.74400
KS	73714	26-MAY-2009	18:08:58.100	18:11:32.430	154.33000

KS	73715	26-MAY-2009	19:47:55.182	19:49:55.530	120.34800
KS	73716	26-MAY-2009	21:28:38.601	21:30:33.643	115.04200
KS	73717	26-MAY-2009	23:11:51.264	23:13:28.265	97.001000
GS	73704	26-MAY-2009	01:18:14.766	01:20:00.793	106.02700
GS	73705	26-MAY-2009	02:55:33.867	02:57:14.880	101.01300
GS	73706	26-MAY-2009	04:37:46.986	04:39:32.000	105.01400
MS	73709	26-MAY-2009	10:11:18.486	10:13:43.029	144.54300
MS	73710	26-MAY-2009	11:48:38.213	11:51:07.620	149.40700
MS	73717	26-MAY-2009	22:57:55.166	22:59:46.184	111.01800
MA	73708	26-MAY-2009	08:25:36.264	08:27:18.384	102.12000
MA	73709	26-MAY-2009	10:04:17.072	10:06:03.982	106.91000
MA	73716	26-MAY-2009	21:20:18.112	21:22:48.597	150.48500
MI	73705	26-MAY-2009	02:51:12.201	02:52:56.852	104.65100
MI	73706	26-MAY-2009	04:31:19.732	04:33:01.961	102.22900
MI	73712	26-MAY-2009	15:11:26.342	15:13:08.848	102.50600
MI	73713	26-MAY-2009	16:50:41.974	16:52:19.950	97.976000
MM	73703	26-MAY-2009	00:35:07.264	00:36:27.528	80.264000
MM	73708	26-MAY-2009	09:04:57.564	09:06:11.117	73.553000
MM	73710	26-MAY-2009	12:25:07.529	12:26:30.335	82.806000
MM	73711	26-MAY-2009	14:04:51.463	14:06:14.441	82.978000
MM	73712	26-MAY-2009	15:44:19.300	15:45:43.546	84.246000
MM	73714	26-MAY-2009	19:02:40.713	19:04:49.254	128.54100
MM	73715	26-MAY-2009	20:42:04.902	20:43:51.363	106.46100
MM	73716	26-MAY-2009	22:22:08.273	22:23:57.964	109.69100
BE	73705	26-MAY-2009	03:21:37.644	03:24:04.544	146.90000
SG	73705	26-MAY-2009	03:32:34.727	03:35:42.113	187.38600
SG	73705	26-MAY-2009	03:43:46.664	03:46:26.832	160.16800
SG	73711	26-MAY-2009	14:29:21.921	14:31:59.601	157.68000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	73703	26-MAY-2009	00:23:24.213	00:38:02.354	878.14100
BE	73704	26-MAY-2009	01:43:12.878	01:53:46.465	633.58700
HO	73704	26-MAY-2009	02:07:51.850	02:13:39.959	348.10900
MM	73704	26-MAY-2009	02:17:31.901	02:26:23.568	531.66700

MM	73705	26-MAY-2009	04:00:36.263	04:07:10.547	394.28400
CM	73705	26-MAY-2009	02:52:14.011	03:00:18.993	484.98200
CM	73705	26-MAY-2009	04:29:10.262	04:41:12.739	722.47700
MM	73707	26-MAY-2009	07:24:26.598	07:32:02.074	455.47600
JO	73707	26-MAY-2009	07:03:36.814	07:15:57.883	741.06900
JO	73708	26-MAY-2009	08:41:22.657	08:56:05.176	882.51900
MM	73709	26-MAY-2009	10:45:09.317	10:56:48.599	699.28200
MA	73710	26-MAY-2009	11:45:54.589	11:52:02.064	367.47500
HO	73711	26-MAY-2009	14:13:43.465	14:26:38.784	775.31900
BE	73712	26-MAY-2009	14:38:27.167	14:51:30.357	783.19000
GS	73712	26-MAY-2009	15:05:11.097	15:18:13.916	782.81900
SG	73712	26-MAY-2009	16:07:51.480	16:20:36.324	764.84400
CM	73712	26-MAY-2009	15:15:43.619	15:23:48.356	484.73700
MM	73713	26-MAY-2009	17:23:32.294	17:36:03.876	751.58200
GS	73713	26-MAY-2009	16:44:30.650	16:57:46.848	796.19800
CM	73713	26-MAY-2009	16:53:07.822	17:05:05.450	717.62800
JO	73714	26-MAY-2009	19:23:40.544	19:34:38.891	658.34700
MA	73715	26-MAY-2009	19:41:33.372	19:53:48.577	735.20500
JO	73715	26-MAY-2009	21:01:17.580	21:16:12.158	894.57800
HO	73716	26-MAY-2009	22:15:19.632	22:26:43.826	684.19400
JO	73716	26-MAY-2009	22:43:41.014	22:50:33.589	412.57500
HO	73717	26-MAY-2009	23:52:19.124	00:06:48.353	869.22900

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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

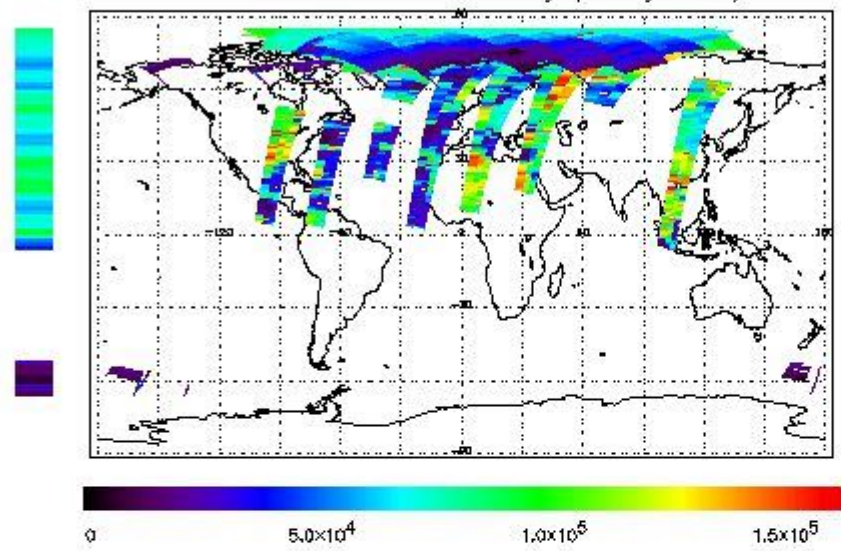
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	OK
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	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

778 nm Uncalibrated Intensity (Binary Units)



Ozone Line Ratio

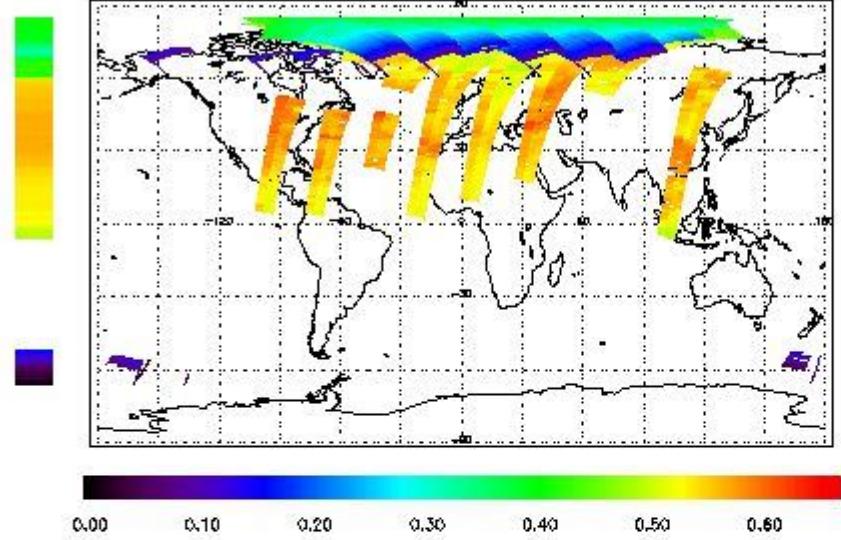
First Product : 25-MAY-2009 23:46:36.223 : ORBIT : 73703.1666

Last Product : 26-MAY-2009 23:24:04.336 : ORBIT : 73717.2569

Total Products Processed : 19268 Day : 146

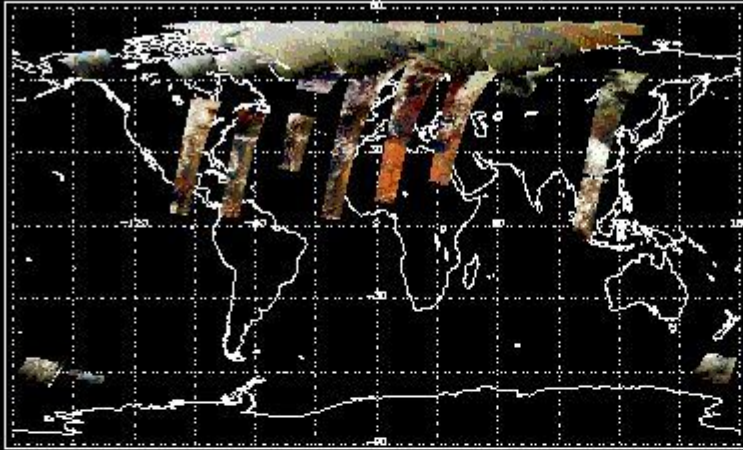
Page : 20

331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed



PMD Image (Earthshine Radiance)

Uncalibrated PMDs as RGB Signal



3 - Instrument Calibration

3.1 - Solar Calibration (Daily/TST44)

Daily(D)/TST44(T)	Start Time	End Time (T)	Orbit	Ground Station Visibility (Y/NS/NE)	Warm Detector Temperature (TST/44)
D	19:54:18.050	--	73715	--	--

3.2 - Lamp Calibration (Quarterly/TST44)

Quarterly(D)/TST44(T)	Start Time	End Time	Orbit	Ground Station Visibility (Y/NS/NE)	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	Orbit End	Ground Station Visibility (Y/NS/NE)
--	--	--	--	--

4.2 - Instrument Off

Start Time	End Time	Start Orbit	Orbit End	MPS Resumption	Ground Station Visibility (Y/NS/NE)
--	--	--	--	--	--

4.3 - Cooler Switchings

Start Time	End Time	Start Orbit	Orbit End	Ground Station Visibility (Y/NS/NE)
--	--	--	--	--

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5 - Instrument Operations

5.1 - Timeline Interruptions

Start Time	End Time	Start Orbit	Orbit End	Ground Station Visibility (Y/NS/NE)
--	--	--	--	--

5.2 - TST44

Start Time	Start Orbit	Ground Station Visibility (Y/NS/NE)
--	--	--

5.3 - Power Cycle

Start Time	End Time	Start Orbit	Orbit End	Ground Station Visibility (Y/NS/NE)
--	--	--	--	--

5.4 - Wrong Command Execution

Start Time	End Time	Start Orbit	Orbit End	Ground Station Visibility (Y/NS/NE)
--	--	--	--	--

5.5 - Narrow Swath Timeline

Start Time	End Time	Start Orbit	Orbit End
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5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	Orbit End
--	--	--	--

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Summary of Anomalies:

station info

HO orbit 73703 EGOI data missing 26-MAY-2009 00:23:24.213 - 26-MAY-2009 00:38:02.354	878.14100 [sec]
BE orbit 73704 EGOI data missing 26-MAY-2009 01:43:12.878 - 26-MAY-2009 01:53:46.465	633.58700 [sec]
HO orbit 73704 EGOI data missing 26-MAY-2009 02:07:51.850 - 26-MAY-2009 02:13:39.959	348.10900 [sec]
MM orbit 73704 EGOI data missing 26-MAY-2009 02:17:31.901 - 26-MAY-2009 02:26:23.568	531.66700 [sec]
MM orbit 73705 EGOI data missing 26-MAY-2009 04:00:36.263 - 26-MAY-2009 04:07:10.547	394.28400 [sec]
CM orbit 73705 EGOI data missing 26-MAY-2009 02:52:14.011 - 26-MAY-2009 03:00:18.993	484.98200 [sec]
CM orbit 73705 EGOI data missing 26-MAY-2009 04:29:10.262 - 26-MAY-2009 04:41:12.739	722.47700 [sec]
MM orbit 73707 EGOI data missing 26-MAY-2009 07:24:26.598 - 26-MAY-2009 07:32:02.074	455.47600 [sec]
JO orbit 73707 EGOI data missing 26-MAY-2009 07:03:36.814 - 26-MAY-2009 07:15:57.883	741.06900 [sec]
JO orbit 73708 EGOI data missing 26-MAY-2009 08:41:22.657 - 26-MAY-2009 08:56:05.176	882.51900 [sec]
MM orbit 73709 EGOI data missing 26-MAY-2009 10:45:09.317 - 26-MAY-2009 10:56:48.599	699.28200 [sec]
MA orbit 73710 EGOI data missing 26-MAY-2009 11:45:54.589 - 26-MAY-2009 11:52:02.064	367.47500 [sec]
HO orbit 73711 EGOI data missing 26-MAY-2009 14:13:43.465 - 26-MAY-2009 14:26:38.784	775.31900 [sec]
BE orbit 73712 EGOI data missing 26-MAY-2009 14:38:27.167 - 26-MAY-2009 14:51:30.357	783.19000 [sec]
GS orbit 73712 EGOI data missing 26-MAY-2009 15:05:11.097 - 26-MAY-2009 15:18:13.916	782.81900 [sec]
SG orbit 73712 EGOI data missing 26-MAY-2009 16:07:51.480 - 26-MAY-2009 16:20:36.324	764.84400 [sec]
CM orbit 73712 EGOI data missing 26-MAY-2009 15:15:43.619 - 26-MAY-2009 15:23:48.356	484.73700 [sec]
MM orbit 73713 EGOI data missing 26-MAY-2009 17:23:32.294 - 26-MAY-2009 17:36:03.876	751.58200 [sec]
GS orbit 73713 EGOI data missing 26-MAY-2009 16:44:30.650 - 26-MAY-2009 16:57:46.848	796.19800 [sec]
CM orbit 73713 EGOI data missing 26-MAY-2009 16:53:07.822 - 26-MAY-2009 17:05:05.450	717.62800 [sec]
JO orbit 73714 EGOI data missing 26-MAY-2009 19:23:40.544 - 26-MAY-2009 19:34:38.891	658.34700 [sec]
MA orbit 73715 EGOI data missing 26-MAY-2009 19:41:33.372 - 26-MAY-2009 19:53:48.577	735.20500 [sec]
JO orbit 73715 EGOI data missing 26-MAY-2009 21:01:17.580 - 26-MAY-2009 21:16:12.158	894.57800 [sec]
HO orbit 73716 EGOI data missing 26-MAY-2009 22:15:19.632 - 26-MAY-2009 22:26:43.826	684.19400 [sec]
JO orbit 73716 EGOI data missing 26-MAY-2009 22:43:41.014 - 26-MAY-2009 22:50:33.589	412.57500 [sec]
HO orbit 73717 EGOI data missing 26-MAY-2009 23:52:19.124 - 27-MAY-2009 00:06:48.353	869.22900 [sec]
KS orbit 73707 EGOI data gap 26-MAY-2009 06:37:19.702 - 26-MAY-2009 06:39:01.223	101.52100 [sec]
KS orbit 73708 EGOI data gap 26-MAY-2009 08:16:36.624 - 26-MAY-2009 08:18:54.332	137.70800 [sec]
KS orbit 73709 EGOI data gap 26-MAY-2009 09:56:14.070 - 26-MAY-2009 09:58:35.439	141.36900 [sec]
KS orbit 73710 EGOI data gap 26-MAY-2009 11:35:45.444 - 26-MAY-2009 11:38:10.541	145.09700 [sec]
KS orbit 73711 EGOI data gap 26-MAY-2009 13:14:53.003 - 26-MAY-2009 13:17:12.647	139.64400 [sec]
KS orbit 73712 EGOI data gap 26-MAY-2009 14:53:31.290 - 26-MAY-2009 14:55:56.746	145.45600 [sec]
KS orbit 73713 EGOI data gap 26-MAY-2009 16:31:09.096 - 26-MAY-2009 16:33:34.840	145.74400 [sec]
KS orbit 73714 EGOI data gap 26-MAY-2009 18:08:58.100 - 26-MAY-2009 18:11:32.430	154.33000 [sec]
KS orbit 73715 EGOI data gap 26-MAY-2009 19:47:55.182 - 26-MAY-2009 19:49:55.530	120.34800 [sec]
KS orbit 73716 EGOI data gap 26-MAY-2009 21:28:38.601 - 26-MAY-2009 21:30:33.643	115.04200 [sec]
KS orbit 73717 EGOI data gap 26-MAY-2009 23:11:51.264 - 26-MAY-2009 23:13:28.265	97.001000 [sec]
GS orbit 73704 EGOI data gap 26-MAY-2009 01:18:14.766 - 26-MAY-2009 01:20:00.793	106.02700 [sec]
GS orbit 73705 EGOI data gap 26-MAY-2009 02:55:33.867 - 26-MAY-2009 02:57:14.880	101.01300 [sec]
GS orbit 73706 EGOI data gap 26-MAY-2009 04:37:46.986 - 26-MAY-2009 04:39:32.000	105.01400 [sec]
MS orbit 73709 EGOI data gap 26-MAY-2009 10:11:18.486 - 26-MAY-2009 10:13:43.029	144.54300 [sec]
MS orbit 73710 EGOI data gap 26-MAY-2009 11:48:38.213 - 26-MAY-2009 11:51:07.620	149.40700 [sec]
MS orbit 73717 EGOI data gap 26-MAY-2009 22:57:55.166 - 26-MAY-2009 22:59:46.184	111.01800 [sec]
MA orbit 73708 EGOI data gap 26-MAY-2009 08:25:36.264 - 26-MAY-2009 08:27:18.384	102.12000 [sec]
MA orbit 73709 EGOI data gap 26-MAY-2009 10:04:17.072 - 26-MAY-2009 10:06:03.982	106.91000 [sec]
MA orbit 73716 EGOI data gap 26-MAY-2009 21:20:18.112 - 26-MAY-2009 21:22:48.597	150.48500 [sec]
MI orbit 73705 EGOI data gap 26-MAY-2009 02:51:12.201 - 26-MAY-2009 02:52:56.852	104.65100 [sec]
MI orbit 73706 EGOI data gap 26-MAY-2009 04:31:19.732 - 26-MAY-2009 04:33:01.961	102.22900 [sec]
MI orbit 73712 EGOI data gap 26-MAY-2009 15:11:26.342 - 26-MAY-2009 15:13:08.848	102.50600 [sec]
MI orbit 73713 EGOI data gap 26-MAY-2009 16:50:41.974 - 26-MAY-2009 16:52:19.950	97.976000 [sec]
MM orbit 73703 EGOI data gap 26-MAY-2009 00:35:07.264 - 26-MAY-2009 00:36:27.528	80.264000 [sec]
MM orbit 73708 EGOI data gap 26-MAY-2009 09:04:57.564 - 26-MAY-2009 09:06:11.117	73.553000 [sec]
MM orbit 73710 EGOI data gap 26-MAY-2009 12:25:07.529 - 26-MAY-2009 12:26:30.335	82.806000 [sec]
MM orbit 73711 EGOI data gap 26-MAY-2009 14:04:51.463 - 26-MAY-2009 14:06:14.441	82.978000 [sec]
MM orbit 73712 EGOI data gap 26-MAY-2009 15:44:19.300 - 26-MAY-2009 15:45:43.546	84.246000 [sec]
MM orbit 73714 EGOI data gap 26-MAY-2009 19:02:40.713 - 26-MAY-2009 19:04:49.254	128.54100 [sec]
MM orbit 73715 EGOI data gap 26-MAY-2009 20:42:04.902 - 26-MAY-2009 20:43:51.363	106.46100 [sec]
MM orbit 73716 EGOI data gap 26-MAY-2009 22:22:08.273 - 26-MAY-2009 22:23:57.964	109.69100 [sec]
BE orbit 73705 EGOI data gap 26-MAY-2009 03:21:37.644 - 26-MAY-2009 03:24:04.544	146.90000 [sec]
SG orbit 73705 EGOI data gap 26-MAY-2009 03:32:34.727 - 26-MAY-2009 03:35:42.113	187.38600 [sec]
SG orbit 73705 EGOI data gap 26-MAY-2009 03:43:46.664 - 26-MAY-2009 03:46:26.832	160.16800 [sec]
SG orbit 73711 EGOI data gap 26-MAY-2009 14:29:21.921 - 26-MAY-2009 14:31:59.601	157.68000 [sec]

instrument info

EGOI
1 - complete solar calibration measurements available
start time 19:54:18, orbit 73715,
(increase of intensity of PMD readouts during available
solar calibration measurements data:
14495 BU ->PMD2 readouts analysed with ERGO.

GOME Daily Reports Analysis 26 MAY 2009

Station ID	see above
MPH Product Confidence	OK
SPH Window Information	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
Polarisation 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
Calibr. Lamp and Instr. Status 3	OK
Scan Mirror 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
331/318 nm Uncal. Line Ratio	OK
Uncal. PMDs as RGB signal	OK
780 nm Uncal. Intensity	OK