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NARROW SWATH TIMELINE GMNNOT41 executed

continued from day 124 (2009/05/04)

holding on until orbit 73410, time ~12:00 (see below)

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Summary of Anomalies:

station info

HO orbit 73403	EGOI data missing	05-MAY-2009 01:24:35.963	-	05-MAY-2009 01:36:51.811	735.84800	[sec]
MM orbit 73403	EGOI data missing	05-MAY-2009 01:36:27.088	-	05-MAY-2009 01:46:13.552	586.46400	[sec]
GS orbit 73403	EGOI data missing	05-MAY-2009 00:40:47.638	-	05-MAY-2009 00:48:39.811	472.17300	[sec]
BE orbit 73404	EGOI data missing	05-MAY-2009 02:41:53.105	-	05-MAY-2009 02:55:09.467	796.36200	[sec]
SG orbit 73404	EGOI data missing	05-MAY-2009 02:53:18.266	-	05-MAY-2009 03:06:25.055	786.78900	[sec]
CM orbit 73404	EGOI data missing	05-MAY-2009 03:49:22.528	-	05-MAY-2009 04:01:38.355	735.82700	[sec]
SG orbit 73405	EGOI data missing	05-MAY-2009 04:33:31.444	-	05-MAY-2009 04:44:22.062	650.61800	[sec]
MM orbit 73406	EGOI data missing	05-MAY-2009 06:44:04.229	-	05-MAY-2009 06:50:46.737	402.50800	[sec]
KS orbit 73406	EGOI data missing	05-MAY-2009 05:58:10.509	-	05-MAY-2009 06:02:58.015	287.50600	[sec]
CM orbit 73406	EGOI data missing	05-MAY-2009 05:31:59.633	-	05-MAY-2009 05:37:52.290	352.65700	[sec]
JO orbit 73406	EGOI data missing	05-MAY-2009 06:26:56.998	-	05-MAY-2009 06:34:15.819	438.82100	[sec]
JO orbit 73407	EGOI data missing	05-MAY-2009 08:01:32.544	-	05-MAY-2009 08:16:28.822	896.27800	[sec]
JO orbit 73408	EGOI data missing	05-MAY-2009 09:43:15.594	-	05-MAY-2009 09:53:58.611	643.01700	[sec]
GS orbit 73411	EGOI data missing	05-MAY-2009 14:26:08.553	-	05-MAY-2009 14:36:54.929	646.37600	[sec]
BE orbit 73412	EGOI data missing	05-MAY-2009 15:40:21.416	-	05-MAY-2009 15:49:50.674	569.25800	[sec]
GS orbit 73412	EGOI data missing	05-MAY-2009 16:04:34.886	-	05-MAY-2009 16:18:29.906	835.02000	[sec]
CM orbit 73412	EGOI data missing	05-MAY-2009 16:13:18.472	-	05-MAY-2009 16:25:37.210	738.73800	[sec]
MM orbit 73413	EGOI data missing	05-MAY-2009 18:23:00.782	-	05-MAY-2009 18:35:35.195	754.41300	[sec]
GS orbit 73413	EGOI data missing	05-MAY-2009 17:44:53.900	-	05-MAY-2009 17:55:20.336	626.43600	[sec]
CM orbit 73413	EGOI data missing	05-MAY-2009 17:55:12.656	-	05-MAY-2009 18:01:19.000	366.34400	[sec]
MM orbit 73414	EGOI data missing	05-MAY-2009 20:02:15.790	-	05-MAY-2009 20:14:58.764	762.97400	[sec]
JO orbit 73414	EGOI data missing	05-MAY-2009 20:21:39.427	-	05-MAY-2009 20:36:24.911	885.48400	[sec]
MM orbit 73415	EGOI data missing	05-MAY-2009 21:42:00.883	-	05-MAY-2009 21:54:38.815	757.93200	[sec]
MA orbit 73415	EGOI data missing	05-MAY-2009 20:40:04.378	-	05-MAY-2009 20:53:45.583	821.20500	[sec]
JO orbit 73415	EGOI data missing	05-MAY-2009 22:01:51.685	-	05-MAY-2009 22:14:02.751	731.06600	[sec]
HO orbit 73416	EGOI data missing	05-MAY-2009 23:12:57.422	-	05-MAY-2009 23:26:55.893	838.47100	[sec]
MM orbit 73416	EGOI data missing	05-MAY-2009 23:22:37.034	-	05-MAY-2009 23:34:33.739	716.70500	[sec]
MA orbit 73416	EGOI data missing	05-MAY-2009 22:23:31.553	-	05-MAY-2009 22:31:48.058	496.50500	[sec]
MS orbit 73417	EGOI data missing	05-MAY-2009 23:58:14.330	-	06-MAY-2009 00:10:28.138	733.80800	[sec]
KS orbit 73407	EGOI data gap	05-MAY-2009 07:36:48.594	-	05-MAY-2009 07:38:35.936	107.34200	[sec]
KS orbit 73408	EGOI data gap	05-MAY-2009 09:16:22.840	-	05-MAY-2009 09:18:35.039	132.19900	[sec]
KS orbit 73409	EGOI data gap	05-MAY-2009 10:55:58.705	-	05-MAY-2009 10:58:13.149	134.44400	[sec]
KS orbit 73411	EGOI data gap	05-MAY-2009 14:14:09.877	-	05-MAY-2009 14:22:52.874	522.99700	[sec]
KS orbit 73412	EGOI data gap	05-MAY-2009 15:52:00.776	-	05-MAY-2009 15:54:17.433	136.65700	[sec]
KS orbit 73413	EGOI data gap	05-MAY-2009 17:29:55.435	-	05-MAY-2009 17:32:13.560	138.12500	[sec]
KS orbit 73414	EGOI data gap	05-MAY-2009 19:08:09.682	-	05-MAY-2009 19:10:03.677	113.99500	[sec]
KS orbit 73415	EGOI data gap	05-MAY-2009 20:48:06.112	-	05-MAY-2009 20:49:50.796	104.68400	[sec]
KS orbit 73416	EGOI data gap	05-MAY-2009 22:30:12.245	-	05-MAY-2009 22:31:54.421	102.17600	[sec]
GS orbit 73405	EGOI data gap	05-MAY-2009 03:56:08.240	-	05-MAY-2009 03:57:57.098	108.85800	[sec]
MS orbit 73403	EGOI data gap	05-MAY-2009 00:31:01.766	-	05-MAY-2009 00:32:39.349	97.583000	[sec]
MS orbit 73409	EGOI data gap	05-MAY-2009 11:09:05.064	-	05-MAY-2009 11:11:28.228	143.16400	[sec]
MS orbit 73416	EGOI data gap	05-MAY-2009 22:18:57.670	-	05-MAY-2009 22:20:45.359	107.68900	[sec]
MA orbit 73408	EGOI data gap	05-MAY-2009 09:24:32.318	-	05-MAY-2009 09:25:45.583	73.265000	[sec]
MA orbit 73414	EGOI data gap	05-MAY-2009 19:05:58.016	-	05-MAY-2009 19:08:21.666	143.65000	[sec]
MI orbit 73404	EGOI data gap	05-MAY-2009 02:13:12.135	-	05-MAY-2009 02:14:48.964	96.829000	[sec]
MI orbit 73405	EGOI data gap	05-MAY-2009 03:50:25.778	-	05-MAY-2009 03:53:15.063	169.28500	[sec]
MI orbit 73411	EGOI data gap	05-MAY-2009 14:33:37.237	-	05-MAY-2009 14:34:49.945	72.708000	[sec]
MI orbit 73412	EGOI data gap	05-MAY-2009 16:10:27.784	-	05-MAY-2009 16:12:05.547	97.763000	[sec]
MM orbit 73402	EGOI data gap	04-MAY-2009 23:54:26.977	-	04-MAY-2009 23:55:51.117	84.140000	[sec]
MM orbit 73407	EGOI data gap	05-MAY-2009 08:24:48.256	-	05-MAY-2009 08:25:51.219	62.963000	[sec]
MM orbit 73408	EGOI data gap	05-MAY-2009 10:05:06.322	-	05-MAY-2009 10:06:24.835	78.513000	[sec]
MM orbit 73411	EGOI data gap	05-MAY-2009 15:04:34.166	-	05-MAY-2009 15:05:44.133	69.967000	[sec]
MM orbit 73412	EGOI data gap	05-MAY-2009 16:43:52.461	-	05-MAY-2009 16:45:29.758	97.297000	[sec]
BE orbit 73405	EGOI data gap	05-MAY-2009 04:21:57.052	-	05-MAY-2009 04:24:27.254	150.20200	[sec]
SG orbit 73411	EGOI data gap	05-MAY-2009 15:27:38.350	-	05-MAY-2009 15:29:53.285	134.93500	[sec]

instrument info

EGOI

1 - GOME unpowered (ref. ERS-2 Unavailability Report 2009016)

no data available on 05-MAY-2009 between 11:35:04 (ESOC communication) and 14:22:53 (outside gs visibility), orbits, 73410-73411:

HO orbit 73409 EGOI data missing 05-MAY-2009 11:54:36.304 - 05-MAY-2009 12:07:41.220	784.91600 [sec]
MM orbit 73409 EGOI data missing 05-MAY-2009 11:45:09.855 - 05-MAY-2009 11:57:26.538	736.68300 [sec]
HO orbit 73410 EGOI data missing 05-MAY-2009 13:33:31.636 - 05-MAY-2009 13:48:11.178	879.54200 [sec]
MM orbit 73410 EGOI data missing 05-MAY-2009 13:24:59.725 - 05-MAY-2009 13:37:42.480	762.75500 [sec]
KS orbit 73410 EGOI data missing 05-MAY-2009 12:35:18.100 - 05-MAY-2009 12:48:11.217	773.11700 [sec]
MS orbit 73410 EGOI data missing 05-MAY-2009 12:49:04.844 - 05-MAY-2009 13:00:04.423	659.57900 [sec]
BE orbit 73411 EGOI data missing 05-MAY-2009 13:58:29.206 - 05-MAY-2009 14:11:52.264	803.05800 [sec]
HO orbit 73411 EGOI data missing 05-MAY-2009 15:14:42.018 - 05-MAY-2009 15:22:49.044	487.02600 [sec]

- coolers off, between before 14:22:53 (outside gs visibility) and 16:00:04  
 detector temperatures out of range  
     (max warm up channel 1 278.8)  
     (max warm up channel 2 279.6)  
     (max warm up channel 3 279.1)  
     (max warm up channel 4 279.5)
- TST 44 started at ca 15:54 (outside gs visibility), orbit 73412
  - Lamp Calibration instability  
 start 15:58:05 - stop 16:00:02, voltage values at ca 181 V (nominal would be ~198 V)
  - solar calibration mode with warm detectors (T~270)  
 start time 15:54:17, orbit 73412,  
 (increase of intensity of PMD readouts during available  
 solar calibration measurements data:  
 14830 BU ->PMD2 readouts analysed with ERGO.

- 2 - complete solar calibration measurements available  
 start time 17:34:47, orbit 73413,  
 (increase of intensity of PMD readouts during available  
 solar calibration measurements data:  
 14853 BU ->PMD2 readouts analysed with ERGO.

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 GOME Daily Reports Analysis                    05 MAY                    2009  
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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	>> timeline GMNNOT41 executed as planned, until Orb. 73410, ~12:00
Polarisation Detectors	OK
FPA Temperatures A	>> values out of range
FPA Temperatures B	>> values out of range
Charge Amp Temperatures	>> values out of range
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	>> pattern not repeated due to execution of timeline GMNNOT41
Selected Temperature A	>> values out of range
Selected Temperature B	>> values out of range
Selected Temperature C	>> values out of range

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