

**GOME Operations during February 2005**

Date	operations	remark
01/02/05	data available within visibility of groundstation	start of sun calibration: 11:40:05.64
02/02/05	data available within visibility of groundstation	start of sun calibration: 11:08:20.10
03/02/05	data available within visibility of groundstation	start of sun calibration: 10:36:40.57
04/02/05	data available within visibility of groundstations	start of sun calibration: 13:26:08.09
05/02/05	data available within visibility of groundstations	start of sun calibration: 12:54:28.56
06/02/05	data available within visibility of groundstation	start of sun calibration: 12:22:43.03
07/02/05	data available within visibility of groundstation	start of sun calibration: 11:51:03.50
08/02/05	data available within visibility of groundstation	start of sun calibration: 11:19:17.98
09/02/05	data available within visibility of groundstation	start of sun calibration: 10:47:32.44
10/02/05	data available within visibility of groundstation	start of sun calibration: 10:15:52.91
11/02/05	data available within visibility of groundstations	start of sun calibration: 13:05:20.57
12/02/05	data available within visibility of groundstations	start of sun calibration: 12:33:35.03
13/02/05	data available within visibility of groundstation	start of sun calibration: 12:01:49.49
14/02/05	data available within visibility of groundstation	start of sun calibration: 11:30:08.29
15/02/05	data available within visibility of groundstation	start of sun calibration: 10:58:22.74
16/02/05	data available within visibility of groundstation	start of sun calibration: 10:26:43.18
17/02/05	data available within visibility of groundstation	start of sun calibration: 13:16:10.84
18/02/05	data available within visibility of groundstations	start of sun calibration: 12:44:25.28
19/02/05	data available within visibility of groundstations	start of sun calibration: 12:12:39.72
20/02/05	data available within visibility of groundstation	start of sun calibration: 11:41:00.16
21/02/05	data available within visibility of groundstation	no solar calibration measurements performed due to the execution of an ERS2 orbit manoeuvre
22/02/05	data available within visibility of groundstation	no solar calibration measurements performed due to the execution of an ERS2 orbit manoeuvre
23/02/05	data available within visibility of groundstation	no solar calibration measurements performed due to the execution of an ERS2 orbit manoeuvre
24/02/05	data available within visibility of groundstation	no solar calibration measurements performed due to the execution of an ERS2 orbit manoeuvre
25/02/05	data available within visibility of groundstations	start of sun calibration: 12:23:30.83
26/02/05	data available within visibility of groundstations	start of sun calibration: 11:51:45.27
27/02/05	data available within visibility of groundstation	start of sun calibration: 11:19:59.71
28/02/05	data available within visibility of groundstation	no solar calibration performed

(note, that measurements are not complete due to timeline interruption, however the useful measurements part is available)

**Anomalies:**

single event upsets (SEU):

list of datagaps:

Date	Orbit No.	duration	reason
01/02/05	51162	06:19:41 - 06:31:18	gap at PS
01/02/05	51165	11:45:54 - 11:52:02	gap at MA
01/02/05	51170	20:03:04 - 20:14:20	gap at PS
02/02/05	51185	20:48:34 - 21:02:17	gap at MA
02/02/05	51186	22:32:49 - 22:39:50	gap at MA
02/02/05	51177	07:59:59 - 08:01:45	gap at MA

03/02/05	51198	10:41:16 - 10:52:5	gap at MA
03/02/05	51193	18:44:45 - 18:48:51	gap at MA
03/02/05	51199	20:17:34 - 20:31:22	gap at MA
04/02/05	51208	11:51:52 - 11:57:05	gap at MA
04/02/05	51213	19:47:03 - 19:59:41	gap at MA
05/02/05	51222	11:19:35 - 11:28:08	gap at MA
05/02/05	51227	19:19:03 - 19:27:39	gap at MA
05/02/05	51229	22:39:11 - 22:45:05	gap at MA
05/02/05	51220	08:09:08 - 08:10:09	gap at MA
06/02/05	51236	10:47:02 - 10:58:23	gap at MA
06/02/05	51241	18:50:20 - 18:54:34	gap at MA
06/02/05	51243	22:05:21 - 22:15:25	gap at MA
07/02/05	51248	06:31:35 - 06:42:28	gap at PS
07/02/05	51256	19:52:34 - 20:05:33	gap at MA
07/02/05	51257	21:31:52 - 21:44:50	gap at MA
08/02/05	51263	08:06:33 - 08:16:14	gap at MA
08/02/05	51265	11:25:28 - 11:33:40	gap at MA
08/02/05	51270	19:24:22 - 19:33:29	gap at MA
08/02/05	51271	21:00:04 - 21:13:37	gap at MA
08/02/05	51272	22:45:40 - 22:50:12	gap at MA
09/02/05	51284	18:55:53 - 19:00:17	gap at MA
09/02/05	51285	20:28:47 - 20:42:32	gap at MA
10/02/05	51293	10:21:21 - 10:33:34	gap at MA
10/02/05	51299	20:01:15 - 20:11:21	gap at MA
11/02/05	51306	08:11:57 - 08:22:16	gap at MA
11/02/05	51308	11:31:18 - 11:39:02	gap at MA
11/02/05	51313	19:27:53 - 19:39:19	gap at MA
12/02/05	51316	00:35:33 - 00:42:46	gap at GS
12/02/05	51327	19:00:51 - 19:05:59	gap at MA
12/02/05	51329	22:17:25 - 22:26:22	gap at MA
13/02/05	51343	21:43:49 - 21:56:01	gap at MA
14/02/05	51351	11:37:06 - 11:44:17	gap at MA
14/02/05	51357	21:11:40 - 21:24:56	gap at MA
15/02/05	51370	19:05:58 - 19:12:57	gap at MA
15/02/05	51371	20:40:04 - 20:53:45	gap at MA
15/02/05	51372	22:23:31 - 22:31:48	gap at MA
16/02/05	51386	21:49:57 - 22:01:35	gap at MA
17/02/05	51394	11:42:55 - 11:49:28	gap at MA
17/02/05	51398	18:06:09 - 18:19:34	gap at KS
17/02/05	51399	19:38:48 - 19:50:55	gap at MA
18/02/05	51413	19:11:09 - 19:18:51	gap at MA
18/02/05	51414	20:45:44 - 20:59:26	gap at MA
18/02/05	51415	22:29:42 - 22:37:10	gap at MA
18/02/05	51415	22:36:07 - 22:46:54	gap at KS
18/02/05	51408	11:01:39 - 11:12:29	gap at KS

18/02/05 51406 07:57:29 - 07:59:48 gap at MA  
 19/02/05 51429 21:55:51 - 22:07:08 gap at MA  
 20/02/05 51437 11:48:56 - 11:54:34 gap at MA  
 20/02/05 51443 21:23:11 - 21:36:21 gap at MA  
 21/02/05 51451 11:16:39 - 11:25:26 gap at MA  
 21/02/05 51456 19:16:24 - 19:24:43 gap at MA  
 22/02/05 51465 10:44:09 - 10:55:39 gap at MA  
 22/02/05 51470 18:47:33 - 18:51:43 gap at MA  
 22/02/05 51471 20:20:22 - 20:34:10 gap at MA  
 23/02/05 51478 08:33:56 - 08:46:05 gap at MA  
 23/02/05 51480 11:55:05 - 11:59:33 gap at MA  
 23/02/05 51484 18:31:41 - 18:45:31 gap at PS  
 23/02/05 51485 19:49:48 - 20:02:37 gap at MA  
 23/02/05 51479 10:12:51 - 10:16:22 gap at MA  
 24/02/05 51494 11:22:31 - 11:30:54 gap at MA  
 24/02/05 51499 19:21:42 - 19:30:34 gap at MA  
 24/02/05 51501 22:42:26 - 22:47:40 gap at MA  
 24/02/05 51498 18:02:19 - 18:04:48 gap at GS  
 25/02/05 51508 10:49:55 - 11:01:07 gap at MA  
 25/02/05 51513 18:53:07 - 18:57:26 gap at MA  
 25/02/05 51515 22:08:21 - 22:18:10 gap at MA  
 25/02/05 51503 02:02:10 - 02:03:46 gap at GS  
 26/02/05 51520 06:34:34 - 06:45:15 gap at PS  
 26/02/05 51528 19:55:19 - 20:08:28 gap at MA  
 26/02/05 51528 20:17:23 - 20:27:58 gap at PS  
 26/02/05 51529 21:34:46 - 21:47:38 gap at MA  
 27/02/05 51537 11:28:24 - 11:36:24 gap at MA  
 27/02/05 51543 21:03:00 - 21:16:26 gap at MA  
 27/02/05 51542 19:34:52 - 19:36:24 gap at MA  
 28/02/05 51556 18:58:20 - 19:03:08 gap at MA  
 28/02/05 51557 20:31:36 - 20:45:19 gap at MA

Lamp Failures:

Date	reason	remark
28/02/05	Lamp Failure (no. 148) Orbit 51553	after 13 sec Lamp Sequence at 14:11:58, the lamp voltage dropped down suddenly from 200 V to a value below 180V and the calibration lamp sequence turned into Lamp Failure

**cooler switchings:**

timeline interruptions: (operations in nadir static view):

Date	Orbit No.	Duration	remark
26/02/05	51523	11:53:45 - 13:24:34	GOME Timeline stopped, instrument in Nadir Static View, due to Payload synchronisation due to AMI anomaly (see ER2-UNA- 2005/005)

**Narrow Swath Timeline:**

Date	Orbit No.	Duration	remark
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04-05/02/05 51210 - 51223 ~15:00 (04/02/05) - Narrow Swath Timeline GMNNOT41 executed  
~12:30 (05/02/05)  
14-15/02/05 51352 - 51364 ~13:00 (14/02/05) - Narrow Swath Timeline GMNNOT41 executed  
~10:30 (15/02/05)  
24-25/02/05 51495 - 51516 ~14:00 (24/02/05) - Narrow Swath Timeline GMNNOT41 executed  
~12:00 (25/02/05)

**others:**

Date	Orbit No.	Duration	remark
28/02/05	51553	14:11:45 - 14:11:58	Lamp Calibration sequence executed