

GOME Operations during March 2005

Date	operations	remark
01/03/05	data available within visibility of groundstation	start of sun calibration: 13:37:41.81
02/03/05	data available within visibility of groundstation	start of sun calibration: 16:27:09.46
03/03/05	data available within visibility of groundstation	start of sun calibration: 15:55:23.90
04/03/05	data available within visibility of groundstations	start of sun calibration: 15:23:40.59
05/03/05	data available within visibility of groundstations	start of sun calibration: 14:51:55.03
06/03/05	data available within visibility of groundstation	start of sun calibration: 14:20:09.48
07/03/05	data available within visibility of groundstation	no solar calibration measurements performed due to the execution of an ERS2 orbit manoeuvre
08/03/05	data available within visibility of groundstation	no solar calibration measurements performed due to the execution of an ERS2 orbit manoeuvre
09/03/05	data available within visibility of groundstation	no solar calibration measurements performed due to the execution of an ERS2 orbit manoeuvre
10/03/05	GOME North Polar View Timeline activated data available within visibility of groundstation	start of sun calibration: 15:34:32.48
11/03/05	data available within visibility of groundstations	no solar calibration measurements performed due to the execution of an ERS2 orbit manoeuvre
12/03/05	data available within visibility of groundstations	start of sun calibration: 14:30:55.36
13/03/05	data available within visibility of groundstation	start of sun calibration: 13:59:09.81
14/03/05	data available within visibility of groundstation	start of sun calibration: 13:27:29.66
15/03/05	SEU data available within visibility of groundstation	start of sun calibration: 16:16:57.32
16/03/05	SEU data available within visibility of groundstation	start of sun calibration: 15:45:17.76
17/03/05	SEU data available within visibility of groundstation	start of sun calibration: 15:13:32.21
18/03/05	SEU data available within visibility of groundstations	start of sun calibration: 14:41:46.65
19/03/05	SEU data available within visibility of groundstations	start of sun calibration: 14:10:07.09
20/03/05	SEU data available within visibility of groundstation	start of sun calibration: 13:38:21.53
21/03/05	SEU data available within visibility of groundstation	start of sun calibration: 16:27:51.88
22/03/05	data available within visibility of groundstation	start of sun calibration: 15:56:06.32
23/03/05	data available within visibility of groundstation	start of sun calibration: 15:24:20.76
24/03/05	data available within visibility of groundstation	start of sun calibration: 14:52:40.88
25/03/05	data available within visibility of groundstation	start of sun calibration: 14:20:55.33
26/03/05	data available within visibility of groundstation	start of sun calibration: 13:49:09.77
27/03/05	data available within visibility of groundstation	start of sun calibration: 16:38:37.42
28/03/05	data available within visibility of groundstation	start of sun calibration: 16:06:57.85
29/03/05	data available within visibility of groundstation	start of sun calibration: 15:35:12.30
30/03/05	data available within visibility of groundstation	start of sun calibration: 15:03:26.73
31/03/05	data available within visibility of groundstation	start of sun calibration: 14:31:47.17

Anomalies:

single event upsets (SEU):

Date reason
 on-board software problem caused anomaly (orbits 51760 - 51854);
 Level 0:

- Integration Times Channel 1: contiguously at 30 sec (nominal would be an alternating pattern between 0.093 and 60 sec and values inbetween)
- 15-21/03/05 -Integration Times Channel 2A, 2B:contiguously at 30 sec (nominal would be an alternating pattern between 0.093 and 6 sec and values inbetween)
- Integration Times Channel 3:contiguously at 6 sec (nominal would be an alternating pattern between 0.093 and 6 sec and values inbetween)
- Integration Times Channel 4:contiguously at 6 sec (nominal would be an alternating pattern between 0.093 and 6 sec and values inbetween)

list of datagaps:

Date	Orbit No.	duration	reason
01/03/05	51571	20:00:52 - 20:14:14	gap at MA
02/03/05	51580	11:34:1 - 11:41:40	gap at MA
02/03/05	51581	13:18:32 - 13:26:38	gap at MS
02/03/05	51585	19:30:36 - 19:42:13	gap at MA
02/03/05	51585	19:51:37 - 20:03:23	gap at PS
03/03/05	51591	05:55:25 - 05:59:51	gap at KS
03/03/05	51599	19:03:23 - 19:08:50	gap at MA
03/03/05	51599	19:20:10 - 19:33:02	gap at PS
03/03/05	51600	20:37:14 - 20:50:54	gap at MA
03/03/05	51601	22:20:27 - 22:29:05	gap at MA
03/03/05	51593	09:33:45 - 09:35:13	gap at MA
04/03/05	51602	00:12:47 - 00:16:50	gap at KS
04/03/05	51615	21:47:01 - 21:58:48	gap at MA
05/03/05	51623	11:40:00 - 11:46:53	gap at MA
05/03/05	51629	21:14:32 - 21:27:47	gap at MA
06/03/05	51642	19:08:33 - 19:15:54	gap at MA
06/03/05	51643	20:42:54 - 20:56:36	gap at MA
07/03/05	51657	20:11:59 - 20:25:42	gap at MA
07/03/05	51658	21:52:54 - 22:04:22	gap at MA
08/03/05	51666	11:45:54 - 11:52:02	gap at MA
08/03/05	51671	19:41:33 - 19:53:48	gap at MA
09/03/05	51680	11:13:43 - 11:22:45	gap at MA
09/03/05	51685	19:13:16 - 19:21:17	gap at MA
09/03/05	51686	20:48:34 - 21:02:17	gap at MA
09/03/05	51687	22:27:13 - 22:39:39	gap at MS
09/03/05	51687	22:32:49 - 22:39:50	gap at MA
09/03/05	51678	07:59:58 - 08:01:45	gap at MA
10/03/05	51699	18:44:45 - 18:48:51	gap at MA
10/03/05	51701	21:58:48 - 22:09:54	gap at MA
11/03/05	51709	11:51:59 - 11:57:05	gap at MA
11/03/05	51715	21:26:04 - 21:39:12	gap at MA
12/03/05	51723	11:19:35 - 11:28:08	gap at MA
12/03/05	51730	22:39:11 - 22:45:05	gap at MA
12/03/05	51726	16:18:48 - 16:20:08	gap at GS

13/03/05	51742	18:50:20 - 18:54:34 gap at MA
13/03/05	51743	20:23:10 - 20:36:57 gap at MA
14/03/05	51757	19:52:34 - 20:05:33 gap at MA
15/03/05	51766	11:25:28 - 11:33:40 gap at MA
15/03/05	51771	19:24:22 - 19:33:29 gap at MA
15/03/05	51771	19:43:02 - 19:55:08 gap at PS
15/03/05	51773	22:45:40 - 22:50:12 gap at MA
16/03/05	51785	18:55:53 - 19:00:17 gap at MA
16/03/05	51787	22:11:22 - 22:20:55 gap at MA
17/03/05	51795	12:17:34 - 12:18:48 gap at MS
18/03/05	51808	09:50:02 - 10:03:26 gap at MA
18/03/05	51809	11:31:18 - 11:39:02 gap at MA
19/03/05	51817	00:35:33 - 00:42:46 gap at GS
19/03/05	51829	20:34:25 - 20:48:06 gap at MA
20/03/05	51844	21:43:49 - 21:56:01 gap at MA
21/03/05	51850	08:17:23 - 08:28:16 gap at MA
21/03/05	51852	11:37:06 - 11:44:17 gap at MA
21/03/05	51853	13:06:24 - 13:07:40 gap at KS
22/03/05	51871	19:05:58 - 19:12:57 gap at MA
22/03/05	51872	20:40:04 - 20:53:45 gap at MA
22/03/05	51873	22:23:31 - 22:31:48 gap at MA
23/03/05	51887	21:49:57 - 22:01:35 gap at MA
24/03/05	51895	11:42:55 - 11:49:28 gap at MA
24/03/05	51900	19:38:48 - 19:50:55 gap at MA
24/03/05	51901	21:17:25 - 21:30:39 gap at MA
25/03/05	51907	07:57:29 - 07:59:48 gap at MA
26/03/05	51922	08:59:58 - 09:12:24 gap at MA
26/03/05	51930	21:55:51 - 22:07:08 gap at MA
27/03/05	51938	11:48:56 - 11:54:34 gap at MA
27/03/05	51943	19:44:18 - 19:56:44 gap at MA
27/03/05	51944	21:23:11 - 21:36:21 gap at MA
28/03/05	51952	11:16:39 - 11:25:26 gap at MA
28/03/05	51958	20:51:24 - 21:05:07 gap at MA
28/03/05	51959	22:35:59 - 22:42:28 gap at MA
29/03/05	51966	10:44:09 - 10:55:39 gap at MA
29/03/05	51971	18:47:33 - 18:51:43 gap at MA
29/03/05	51972	20:20:22 - 20:34:10 gap at MA
29/03/05	51973	22:01:51 - 22:12:40 gap at MA
30/03/05	51981	11:55:05 - 11:59:33 gap at MA
30/03/05	51986	19:49:48 - 20:02:37 gap at MA
30/03/05	51987	21:28:58 - 21:30:18 gap at MA
30/03/05	51987	21:37:05 - 21:42:02 gap at MA
31/03/05	51993	08:03:53 - 08:13:12 gap at MA
31/03/05	51995	11:22:31 - 11:30:54 gap at MA
31/03/05	52002	22:42:26 - 22:47:40 gap at MA

Lamp Failures: none

cooler switchings:

Date	coolers off/on	maximum detector warm up temperature [Kelvin]
		FPA 1: 244.3
		FPA 2: 244.7
21/03/05	13:07:40 off	
	13:07:53 on	FPA 3: 244.3
		FPA 4: 244.6

timeline interruptions: (operations in nadir static view):

Date	Orbit No.	Duration	remark
21/03/05	51853	13:00 - 14:00	GOME Timeline stopped, instrument in Nadir Static View

Narrow Swath Timeline:

Date	Orbit No.	Duration	remark
04-05/03/05	51612 - 51625	~17:00 (04/03/05) - ~15:00 (05/03/05)	Narrow Swath Timeline GMNNOT41 executed
14-15/03/05	51753 - 51769	~14:30 (14/03/05) - ~15:30 (15/03/05)	Narrow Swath Timeline GMNNOT41 executed
24-25/03/05	51898 - 51911	~16:00 (24/03/05) - ~14:00 (25/03/05)	Narrow Swath Timeline GMNNOT41 executed

others:

Date	Orbit No.	Duration	remark
10/03/05	51687	00:00	GOME North Polar View operations activated