

GOME Operations during April 2005

Date	operations	remark
01/04/05	data available within visibility of groundstation	no solar calibration measurements available due to data gap
02/04/05	data available within visibility of groundstation	start of sun calibration: 16:49:29.25
03/04/05	data available within visibility of groundstation	start of sun calibration: 19:38:56.89
04/04/05	data available within visibility of groundstation	start of sun calibration: 19:07:15.94
05/04/05	data available within visibility of groundstation	start of sun calibration: 18:35:30.38
06/04/05	data available within visibility of groundstation	no solar calibration data available due to missing data
07/04/05	data available within visibility of groundstation	start of sun calibration: 17:32:05.26
08/04/05	data available within visibility of groundstation	start of sun calibration: 17:00:19.70
09/04/05	data available within visibility of groundstation	start of sun calibration: 19:49:47.34
10/04/05	data available within visibility of groundstation	start of sun calibration: 19:18:07.79
11/04/05	data available within visibility of groundstation	start of sun calibration: 18:46:22.22
12/04/05	data available within visibility of groundstation	start of sun calibration: 18:14:36.67
13/04/05	data available within visibility of groundstation	start of sun calibration: 17:42:57.10
	SEU GOME unavailable	
14/04/05	start: 01:39:26 stop: 13:42:16	start of sun calibration: 17:11:10.10
	data available within visibility of groundstation	
15/04/05	data available within visibility of groundstation	no solar calibration measurements available due to the execution of an ERS2 orbit manoeuvre
16/04/05	data available within visibility of groundstation	no solar calibration measurements available due to the execution of an ERS2 orbit manoeuvre
17/04/05	data available within visibility of groundstation	start of sun calibration: 18:57:19.05
18/04/05	data available within visibility of groundstation	start of sun calibration: 18:25:33.49
19/04/05	data available within visibility of groundstation	start of sun calibration: 17:53:53.93
20/04/05	data available within visibility of groundstation	start of sun calibration: 17:22:08.37
21/04/05	data available within visibility of groundstation	start of sun calibration: 16:50:28.81
22/04/05	data available within visibility of groundstation	start of sun calibration: 19:39:56.45
23/04/05	data available within visibility of groundstation	start of sun calibration: 19:08:10.89
24/04/05	data available within visibility of groundstation	start of sun calibration: 18:36:29.09
25/04/05	data available within visibility of groundstation	start of sun calibration: 18:04:49.52
26/04/05	data available within visibility of groundstation	start of sun calibration: 17:33:09.97
27/04/05	data available within visibility of groundstation	start of sun calibration: 17:01:24.40
	quarterly calibration during Orbits 52402-403	
	two Orbits in Nadir Static View	
28/04/05	52399, 52400 Lamp Failures (no. 149)	start of sun calibration: 19:50:52.05
	data available within visibility of groundstation	

quarterly calibration
during Orbits 52403-406

29/04/05 Lamp Failures (no. 150-153)

start of sun calibration: 19:19:12.49

data available within visibility of groundstation

30/04/05 data available within visibility of groundstation

start of sun calibration: 18:47:32.93

Anomalies:

single event upsets (SEU):

Date	reason
14/04/05	on-board software problem caused anomaly (orbits 52190 - 52197); 01:40 - 13:40

list of datagaps:

Date	Orbit No.	duration	reason
01/04/05	52013	17:15:52 - 17:28:33	gap at KS
01/04/05	52014	18:53:07 - 18:57:26	gap at MA
01/04/05	52015	20:25:59 - 20:39:45	gap at MA
01/04/05	52015	20:33:42 - 20:47:27	gap at KS
01/04/05	52016	22:15:27 - 22:27:02	gap at KS
02/04/05	52017	00:00:21 - 00:05:49	gap at KS
02/04/05	52021	06:34:34 - 06:45:15	gap at PS
02/04/05	52026	15:19:15 - 15:32:44	gap at GS
02/04/05	52027	16:58:49 - 17:11:38	gap at GS
02/04/05	52029	20:17:23 - 20:27:58	gap at PS
03/04/05	52038	11:28:24 - 11:36:24	gap at MA
04/04/05	52057	18:58:20 - 19:03:08	gap at MA
04/04/05	52059	22:14:23 - 22:23:39	gap at MA
04/04/05	52059	22:11:20 - 22:22:15	gap at PS
05/04/05	52072	20:00:52 - 20:14:14	gap at MA
05/04/05	52074	23:32:55 - 23:40:39	gap at KS
06/04/05	52081	11:34:12 - 11:41:40	gap at MA
06/04/05	52085	17:57:47 - 18:11:04	gap at KS
07/04/05	52101	20:37:14 - 20:50:54	gap at MA
08/04/05	52111	13:40:16 - 13:52:24	gap at KS
09/04/05	52124	11:40:00 - 11:46:53	gap at MA
09/04/05	52129	19:36:04 - 19:48:01	gap at MA
09/04/05	52129	19:57:20 - 20:08:52	gap at PS
10/04/05	52143	19:08:33 - 19:15:54	gap at MA
10/04/05	52145	22:26:36 - 22:34:29	gap at MA
11/04/05	52158	20:11:59 - 20:25:42	gap at MA
11/04/05	52159	21:52:54 - 22:04:22	gap at MA
12/04/05	52163	04:37:46 - 04:47:36	gap at GS
12/04/05	52167	11:45:54 - 11:52:02	gap at MA

12/04/05	52172	19:41:33 - 19:53:48	gap at MA
12/04/05	52174	23:17:17 - 23:20:54	gap at KS
12/04/05	52170	16:44:30 - 16:47:54	gap at GS
12/04/05	52167	11:48:38 - 11:49:44	gap at MS
13/04/05	52179	07:55:59 - 08:01:45	gap at MA
13/04/05	52186	19:13:16 - 19:21:17	gap at MA
13/04/05	52187	20:48:34 - 21:02:17	gap at MA
13/04/05	52188	22:32:49 - 22:39:50	gap at MA
14/04/05	52190 - 52197	01:39:26 - 13:42:16	GOME was unavailable due to an unboard anomaly (see unavailability ER-UNA-009)
14/04/05	52200	18:44:45 - 18:48:51	gap at MA
14/04/05	52201	20:17:34 - 20:31:22	gap at MA
14/04/05	52194	09:03:34 - 09:15:14	gap at MA
14/04/05	52195	10:33:13 - 10:40:23	gap at KS
15/04/05	52210	11:51:59 - 11:57:05	gap at MA
15/04/05	52215	19:47:03 - 19:59:41	gap at MA
16/04/05	52222	08:01:42 - 08:10:09	gap at MA
16/04/05	52224	11:19:35 - 11:28:08	gap at MA
16/04/05	52229	19:19:03 - 19:27:39	gap at MA
16/04/05	52229	19:22:19 - 19:36:18	gap at KS
16/04/05	52229	19:37:18 - 19:49:38	gap at PS
16/04/05	52230	20:54:15 - 21:07:57	gap at MA
16/04/05	52230	21:02:32 - 21:15:55	gap at KS
16/04/05	52231	22:32:45 - 22:45:26	gap at MS
16/04/05	52231	22:39:11 - 22:45:05	gap at MA
16/04/05	52225	13:12:03 - 13:13:29	gap at MS
17/04/05	52232	00:12:59 - 00:24:20	gap at MS
17/04/05	52238	10:47:02 - 10:58:23	gap at MA
17/04/05	52238	10:52:20 - 11:04:28	gap at MS
17/04/05	52240	13:57:12 - 14:09:08	gap at KS
17/04/05	52240	14:09:41 - 14:18:45	gap at GS
17/04/05	52241	15:35:15 - 15:47:04	gap at KS
17/04/05	52243	18:50:20 - 18:54:34	gap at MA
17/04/05	52243	19:05:53 - 19:19:08	gap at PS
17/04/05	52244	20:23:10 - 20:36:57	gap at MA
17/04/05	52245	22:05:21 - 22:15:25	gap at MA
18/04/05	52258	19:52:34 - 20:05:33	gap at MA
18/04/05	52259	21:31:52 - 21:44:50	gap at MA
19/04/05	52265	08:06:33 - 08:16:14	gap at MA
19/04/05	52267	11:25:28 - 11:33:40	gap at MA
19/04/05	52272	19:24:22 - 19:33:29	gap at MA
19/04/05	52273	21:00:04 - 21:13:37	gap at MA
19/04/05	52274	22:45:40 - 22:50:12	gap at MA
20/04/05	52286	18:55:53 - 19:00:17	gap at MA
20/04/05	52287	20:28:47 - 20:42:32	gap at MA

21/04/05	52289	00:03:26 - 00:08:35	gap at KS
22/04/05	52308	08:11:57 - 08:22:16	gap at MA
22/04/05	52310	11:31:18 - 11:39:02	gap at MA
22/04/05	52316	21:14:07 - 21:27:18	gap at KS
22/04/05	52312	14:51:10 - 14:53:15	gap at GS
23/04/05	52318	00:35:33 - 00:42:46	gap at GS
23/04/05	52322	07:31:07 - 07:42:16	gap at KS
23/04/05	52329	19:00:51 - 19:05:59	gap at MA
23/04/05	52330	20:34:25 - 20:48:06	gap at MA
23/04/05	52331	22:17:25 - 22:26:22	gap at MA
24/04/05	52341	15:15:45 - 15:27:25	gap at KS
24/04/05	52343	18:45:56 - 18:59:34	gap at PS
24/04/05	52345	21:43:49 - 21:56:01	gap at MA
25/04/05	52351	08:17:23 - 08:28:16	gap at MA
25/04/05	52353	11:37:06 - 11:44:17	gap at MA
25/04/05	52358	19:33:20 - 19:45:07	gap at MA
25/04/05	52359	21:11:40 - 21:24:56	gap at MA
26/04/05	52372	19:05:58 - 19:12:57	gap at MA
26/04/05	52373	20:40:04 - 20:53:45	gap at MA
26/04/05	52375	23:58:14 - 00:10:28	gap at MS
27/04/05	52379	06:49:36 - 06:59:07	gap at PS
27/04/05	52380	08:54:11 - 09:06:36	gap at MA
28/04/05	52396	11:42:55 - 11:49:28	gap at MA
28/04/05	52401	19:38:48 - 19:50:55	gap at MA
29/04/05	52408	07:52:55 - 07:59:48	gap at MA
29/04/05	52415	19:11:09 - 19:18:51	gap at MA
29/04/05	52417	22:29:42 - 22:37:10	gap at MA
30/04/05	52423	08:59:58 - 09:12:24	gap at MA
30/04/05	52431	21:55:51 - 22:07:08	gap at MA

Lamp Failures:

Date	reason	remark
28-29/04/05	Lamp Failure (no. 149 - 153) Orbit 52403-06	Lamp Failures set during quarterly calibration sequences, voltage reached only a value of 180 V, only two sequences without lamp failure but with calibration lamp instability

cooler switchings:

Date	coolers off/on	maximum detector warm up temperature [Kelvin]
14/04/05	01:39:26 off 07:24:26 on	FPA 1: 270
		FPA 2: 270
		FPA 3: 270
		FPA 4: 270

14/04/05 09:03:33 off (exact start cannot be given due to missing data)
 12:15:20 on

FPA 1: 265
 FPA 2: 265
 FPA 3: 265
 FPA 4: 265

timeline interruptions: (operations in nadir static view): none

Narrow Swath Timeline:

Date	Orbit No.	Duration	remark
04-05/04/05	52058 - 52071	~20:30 (04/04/05) - ~18:00 (05/04/05)	Narrow Swath Timeline GMNNOT41 executed
14-15/04/05	52200 - 52215	~19:00 (14/04/05) - ~21:00 (15/04/05)	Narrow Swath Timeline GMNNOT41 executed
24-25/04/05	52344 - 52359	~19:00 (24/04/05) - ~21:00 (25/04/05)	Narrow Swath Timeline GMNNOT41 executed

others:

Date	Orbit No.	Duration	remark
28/04/05	52402	21:33:48 - 21:39:10	calibration lamp sequence without lamp failure but calibration lamp instability, voltage dropped down suddenly at 21:34:16 to 180 V instead of nominal staying at 198 V)
28/04/05	52403	22:55:06	calibration lamp sequence without lamp failure, but voltage only at 180 V