



GOME Operations during January 2004

Date	operations	remark
01/01/04	data available within visibility of groundstations	start of sun calibration: 12:59:27.17
02/01/04	data available within visibility of groundstations	start of sun calibration: 12:27:47.70
03/01/04	data available within visibility of groundstations	start of sun calibration: 11:56:08.22
04/01/04	data available within visibility of groundstations	start of sun calibration: 11:24:30.71
05/01/04	data available within visibility of groundstations	start of sun calibration: 10:52:51.22
06/01/04	data available within visibility of groundstations	start of sun calibration: 10:21:11.72
07/01/04	data available within visibility of groundstations SEU	no solar calibration measurements available due to loss of data
08/01/04	data available within visibility of groundstations SEU	start of sun calibration: 12:39:06.23
09/01/04	data available within visibility of groundstations	start of sun calibration: 12:07:26.73
10/01/04	data available within visibility of groundstations	start of sun calibration: 11:35:47.22
11/01/04	data available within visibility of groundstations	start of sun calibration: 11:04:07.72
12/01/04	data available within visibility of groundstations	start of sun calibration: 10:32:28.21
13/01/04	data available within visibility of groundstations	start of sun calibration: 13:22:01.90
14/01/04	data available within visibility of groundstations	start of sun calibration: 12:50:19.99
15/01/04	data available within visibility of groundstations	start of sun calibration: 12:18:40.49
16/01/04	data available within visibility of groundstations	start of sun calibration: 11:47:00.99
17/01/04	data available within visibility of groundstations	start of sun calibration: 11:15:21.47
18/01/04	data available within visibility of groundstations	start of sun calibration: 10:43:35.96
19/01/04	data available within visibility of groundstations	start of sun calibration: 10:11:56.45
20/01/04	data available within visibility of groundstations	start of sun calibration: 13:01:30.15
21/01/04	data available within visibility of groundstations	start of sun calibration: 12:29:50.64
22/01/04	data available within visibility of groundstations	start of sun calibration: 11:58:05.12
23/01/04	data available within visibility of groundstations	start of sun calibration: 11:26:25.62
24/01/04	data available within visibility of groundstations	start of sun calibration: 10:54:46.21
25/01/04	data available within visibility of groundstations	start of sun calibration: 10:23:00.68
26/01/04	data available within visibility of groundstations	start of sun calibration: 13:12:28.37
27/01/04	data available within visibility of groundstations	start of sun calibration: 12:40:48.84
	Lamp Failures (no. 88-89)	
	data available within visibility of groundstations	
	monthly calibration performed	
28/01/04	during Orbits 45870 - 45874	start of sun calibration: 12:09:09.31
	two Orbits in Nadir Static View	
	45867, 45868	
29/01/04	data available within visibility of groundstations	start of sun calibration: 11:37:23.20
30/01/04	data available within visibility of groundstations	start of sun calibration: 11:05:43.68
31/01/04	data available within visibility of groundstations	start of sun calibration: 10:33:59.72

Anomalies:

single event upsets (SEU):

Date	reason
07 - 08/01/2004	on-board software problem caused anomaly (orbits 45567 - 45581);
	~09:44 (07/01/04) - ~10:53 (08/01/04)
	Level 0:
	loss of data, for each data segment only
	~3 packets are available instead of usually ~460

list of datagaps:

Date	Orbit No.	duration	reason
01/01/04	45483	13:06:41 - 13:09:00	gap at MS
01/01/04	45488	21:20:44 - 21:27:03	gap at PS
02/01/04	45490	00:27:47 - 00:33:52	gap at GS
03/01/04	45512	13:43:42 - 13:46:51	gap at GS
03/01/04	45515	18:40:51 - 18:45:08	gap at GS
03/01/04	45517	21:59:28 - 22:00:15	gap at PS
04/01/04	45519	00:56:08 - 01:01:33	gap at MS
04/01/04	45525	11:31:39 - 11:37:23	gap at MS
04/01/04	45531	21:26:32 - 21:32:20	gap at PS
05/01/04	45533	00:32:57 - 00:39:49	gap at GS
05/01/04	45537	07:14:11 - 07:20:56	gap at PS
06/01/04	45555	13:48:32 - 13:53:38	gap at GS
07/01/04	45562	01:03:04 - 01:06:06	gap at MS
07-08/01/04 45567 - 45581 ~09:44 (07/01/04) - ~10:53 (08/01/04)			loss of data due to SEU
08/01/04	45581	10:57:30 - 10:57:18	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag) to cure the SEU
09/01/04	45598	13:53:40 - 14:00:05	gap at GS
10/01/04	45608	06:31:41 - 06:39:37	gap at PS
10/01/04	45617	21:38:13 - 21:42:48	gap at PS
11/01/04	45623	07:26:59 - 07:31:25	gap at PS
13/01/04	45633	00:15:18 - 00:18:38	gap at GS
13/01/04	45657	16:39:59 - 16:43:21	gap at KS
13/01/04	45658	18:25:48 - 18:32:26	gap at GS
13/01/04	45660	21:44:06 - 21:47:59	gap at PS
17/01/04	45717	21:17:50 - 21:24:25	gap at PS
20/01/04	45754	11:28:48 - 11:32:31	gap at MS
24/01/04	45805	00:35:33 - 00:42:46	gap at GS
27/01/04	45859	19:23:01 - 19:35:49	gap at PS
27/01/04	45860	21:03:23 - 21:11:07	gap at PS

Lamp Failures:

Date	reason	remark
28/01/04	Lamp Failures (no. 88) Orbit 45871	Lamp Failure set, the calibration lamp voltage reached only a value of ~182 V instead of nominally ~197 V, the lamp calibr. interrupted (lamp failure flag set from 15:32:51)

28/01/04 Lamp Failure (no. 89) Lamp Failure set, the calibration lamp voltage reached only a value of ~180 V instead of nominally ~197 V, the lamp calibr. interrupted (lamp failure flag set from 17:13.47, orbits 45872

cooler switchings:

Date	coolers off/on	maximum detector warm up temperature [Kelvin]
08/01/04	10:57:30 off	FPA 1: 244.8
		FPA 2: 245.0
	10:59:37 on	FPA 3: 244.5
		FPA 4: 244.9

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

Narrow Swath Timeline:

Date	Orbit No.	Duration	remark
04-05/01/04	45526 - 45539	~13:00 (04/01/04) - ~11:00 (05/01/04)	Narrow Swath Timeline GMNNOT41 executed
14-15/01/04	45670 - 45683	~14:00 (14/01/04) - ~12:00 (15/01/04)	Narrow Swath Timeline GMNNOT41 executed
24-25/01/04	45812 - 45825	~12:00 (24/01/04) - ~10:00 (25/01/04)	Narrow Swath Timeline GMNNOT41 executed

others: none