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single event upsets:

Date	reason
23/02/00 - 20/03/00	on-board software problem caused anomaly: Science Dump flag not set during Orbits 25321 - 25706;
nominal situation would be: once per orbit flag is set during 34 or 38 products start of anomaly 00:39:09 (15/05/2000) - end of anomaly 12:56:51 (16/05/2000)	during Orbits 26495 - 26516;
on-board software problem	changes in following areas:
PROMCOPY differences found 2109	E2PROMCOPY differences found 7963
E2PROM differences found 11895	RAM2 differences found 14
PROM differences found 514	caused anomaly:
- many small gaps each gap ~1.5 seconds	- anomalous scan mirror current readouts: pattern not regular
- Channel 4 Summation: pattern not regular	

- 780 nm Uncal. Intensity:

anomalous images, intensities show high values
 on-board software problem caused anomaly:
 Science Dump flag not set;

nominal situation would be: once per orbit flag is set during 34 or 38 products;

23-24/07/2000

no analysis of science dump possible;

channel readouts with slightly lower values than usual;

GOME BandIA integration status flag not set nominally

patches of the on-board software: none

cooler switchings:

Date	coolers off/on	maximum detector warm up temperature [Kelvin]
31/12/99 - 02/01/2000	11:59:56 (31/12/99) off 16:13:36 (02/01/2000) on	FPA 1: 253.9
		FPA 2: 254.9
		FPA 3: 254.4
		FPA 4: 255.0
07-10/02/2000	05:24:57 (07/02/2000) off 22:27:29 (10/02/2000) on	FPA 1: 251.4
		FPA 2: 252.3
		FPA 3: 252.2
		FPA 4: 252.4
14/02/2000	08:32:39 off 13:38:13 on	FPA 1: 276.8
		FPA 2: 277.4
		FPA 3: 276.9
		FPA 4: 277.2
20/03/2000	16:12:16 off 16:12:43 on	FPA 1: 246.0
		FPA 2: 246.0
		FPA 3: 246.0
		FPA 4: 246.0
20/03/2000	~21:43:34 (exact start cannot be analysed due to data gap) off 21:57:13 on	FPA 1: 263.0
		FPA 2: 263.6
		FPA 3: 263.2
		FPA 4: 263.7
24-25/03/2000	18:09:40 (24/03/2000) off 14:16:47 (25/03/2000) on	FPA 1: 268.6
		FPA 2: 268.6
		FPA 3: 268.6
		FPA 4: 268.8

19/04/2000	08:45:50 off 08:47:40 on	FPA 1: 244.1 FPA 2: 244.6 FPA 3: 244.2 FPA 4: 244.5
04/05/2000	00:50:51 off 00:52:41 on	FPA 1: 244.5 FPA 2: 244.5 FPA 3: 244.5 FPA 4: 244.5
04/05/2000	12:05:46 off 16:36:24 on	FPA 1: 275.7 FPA 2: 276.5 FPA 3: 276.2 FPA 4: 276.5
14/05/2000	10:31:03 off 10:32:54 on	FPA 1: 244.6 FPA 2: 244.9 FPA 3: 244.5 FPA 4: 245.0
16/05/2000	12:56:51 off 12:58:41 on	FPA 1: 244.2 FPA 2: 244.7 FPA 3: 244.3 FPA 4: 244.7
24/05/2000	12:04:46 off 12:06:36 on	FPA 1: 244.5 FPA 2: 244.8 FPA 3: 244.4 FPA 4: 245.8
04/06/2000	09:37:41 off 09:39:30 on	FPA 1: 244.3 FPA 2: 244.7 FPA 3: 244.3 FPA 4: 245.8
14/06/2000	11:03:41 off 11:05:31 on	FPA 1: 244.2 FPA 2: 244.7 FPA 3: 244.5 FPA 4: 245.6
24/06/2000	12:29:52 off 12:31:41 on	FPA 1: 244.5 FPA 2: 244.9 FPA 3: 244.7 FPA 4: 245.5

30/06-08/07/2000	04:54:28 (30/06/2000) off 10:49:41 (08/07/2000) on	FPA 1: 270.7 FPA 2: 271.5 FPA 3: 271.1 FPA 4: 271.4
10-11/07/2000	16:32:53 (10/07/2000) off 16:03:03 (11/07/2000) on	FPA 1: 268.1 FPA 2: 269.1 FPA 3: 268.7 FPA 4: 268.8
11/07/2000	20:45:28 off 20:59:08 on	FPA 1: 262.6 FPA 2: 263.2 FPA 3: 262.7 FPA 4: 263.0
14/07/2000	12:01:42 off 12:03:32 on	FPA 1: 244.1 FPA 2: 244.6 FPA 3: 244.3 FPA 4: 244.5
24/07/2000	10:07:19 off 10:09:10 on	FPA 1: 244.3 FPA 2: 244.7 FPA 3: 244.3 FPA 4: 245.6
04/08/2000	11:02:47 off 11:04:37 on	FPA 1: 244.5 FPA 2: 244.7 FPA 3: 244.5 FPA 4: 245.7
09/08/2000	11:47:40 (08/08/2000) off 02:22:56 (09/08/2000) on	FPA 1: 259.0 FPA 2: 259.6 FPA 3: 259.1 FPA 4: 259.6
10/08/2000	08:39:55 off 13:35:37 on	FPA 1: 261.7 FPA 2: 262.3 FPA 3: 261.8 FPA 4: 262.4
14/08/2000	12:29:57 off 12:31:47 on	FPA 1: 244.2 FPA 2: 244.8 FPA 3: 244.4 FPA 4: 244.6

24/08/2000	10:36:00 off 10:37:50 on	FPA 1: 243.9 FPA 2: 244.5 FPA 3: 243.5 FPA 4: 244.6
04/09/2000	11:31:49 off 11:33:39 on	FPA 1: 244.4 FPA 2: 244.9 FPA 3: 244.6 FPA 4: 244.7
14/09/2000	09:37:58 off 09:39:49 on	FPA 1: 244.4 FPA 2: 244.7 FPA 3: 244.3 FPA 4: 244.6
24/09/2000	11:05:26 off 11:07:15 on	FPA 1: 244.3 FPA 2: 244.9 FPA 3: 244.5 FPA 4: 244.7
04/10/2000	12:32:42 off 12:34:32 on	FPA 1: 244.5 FPA 2: 244.8 FPA 3: 244.4 FPA 4: 244.7
07-11/10/2000	16:39:15 (07/10/2000) off 12:53:39 (11/10/2000) on	FPA 1: 263.0 FPA 2: 263.8 FPA 3: 263.6 FPA 4: 264.0
12/10/2000	12:08:09 off 12:22:08 on	FPA 1: 259.0 FPA 2: 259.4 FPA 3: 258.8 FPA 4: 259.4
13/10/2000	11:37:01 off 11:50:40 on	FPA 1: 261.8 FPA 2: 262.3 FPA 3: 261.8 FPA 4: 262.3
14/10/2000	10:38:57 off 10:40:47 on	FPA 1: 244.3 FPA 2: 244.7 FPA 3: 244.5 FPA 4: 244.6

24/10/2000	12:06:11 off 12:08:01 on	FPA 1: 244.6 FPA 2: 245.0 FPA 3: 244.9 FPA 4: 244.8
04/11/2000	09:40:40 off 09:42:29 on	FPA 1: 244.7 FPA 2: 245.1 FPA 3: 244.7 FPA 4: 244.9
14/11/2000	11:07:43 off 11:09:32 on	FPA 1: 244.5 FPA 2: 245.1 FPA 3: 244.8 FPA 4: 245.0
24/11/2000	12:34:39 off 12:36:29 on	FPA 1: 245.2 FPA 2: 245.7 FPA 3: 245.4 FPA 4: 245.5
04/12/2000	10:40:10 off 10:41:59 on	FPA 1: 245.1 FPA 2: 245.3 FPA 3: 245.1 FPA 4: 245.2
14/12/2000	12:06:47 off 12:08:37 on	FPA 1: 244.6 FPA 2: 245.0 FPA 3: 244.8 FPA 4: 245.0
24/12/2000	10:11:57 off 10:13:47 on	FPA 1: 244.8 FPA 2: 245.4 FPA 3: 245.0 FPA 4: 245.1

list of datagaps due to anomalies or special GOME instrument operations: (For detailed information see monthly/weekly performance)

Date	Orbit	duration (GOME off/start of nominal operations)	reason
31/12/99 - 02/01/2000	24555 - 24585	11:59:56 (31/12/99) - 15:57:12 (02/01/2000)	GOME was switched off, due to Y2K transition operations
07-10/02/2000	25095 - 25148	05:24:57 (07/02/2000) - 22:10:01 (10/02/2000)	data gap due to GOME switch-off due to the ERS2 Mono Gyro AOCS Software implementation
14/02/2000	25196-7	08:32:39 - 10:20:09	gap due to GOME switch-off due to an ATSR-IRR reset
20/03/2000	25702 - 25705	16:12:43 - 21:43:34	data gap due to GOME switch-off due to an ERS2 on board anomaly
24-25/03/2000	25761 - 25771	18:09:40 (24/03/2000) - 12:35:36 (25/03/2000)	data gap due to GOME switch-off due to an ERS2 on board anomaly
19/04/2000	26127	08:45:50 - 08:47:26	GOME was switched off, to test operation in Time-Tag (GMN11)
04/05/2000	26337	00:50:51 - 00:52:27	gap at GS, due to the execution of timeline GMN11 (switch-off/switch-on in time-tag) as planned

04/05/2000	26344-45	12:05:46 - 14:59:08	gap due to GOME switch-off due to an ERS2 on board anomaly
14/05/2000	26486	10:31:03 - 10:32:40	gap at GS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag) as planned
15-16/05/2000	26495 - 26516	00:39:09 (15/05/2000) - 12:56:51 (16/05/2000)	many small gaps each gap ~1.5 seconds, due to an on-board software problem
16/05/2000	26516	12:56:51 - 12:58:27	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag) to cure the GOME anomaly
24/05/2000	26630	12:04:46 - 12:06:22	gap at GS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag) as planned
04/06/2000	26786	09:37:41 - 09:39:17	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag) as planned
14/06/2000	26930	11:03:41 - 11:05:18	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag) as planned
24/06/2000	27074	12:29:52 - 12:31:28	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag) as planned
30/06/2000 - 05/07/2000	27156 - 27234	04:54:28 (30/06/2000) - 15:54:08 (05/07/2000)	no data as all ERS2 payload instrument are switched off due to a platform anomaly
08/07/2000	27272	09:13:54 - 09:18:50	gap due to GOME switch-off in order to restart GOME operations correctly
10-11/07/2000	27306 - 27316	16:32:53 (10/07/2000) - 09:28:45 (11/07/2000)	no data, as all ERS2 payload instrument are switched off due to an on-board anomaly
14/07/2000	27354	12:01:42 - 12:03:18	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag) as planned
24/07/2000	27502	10:07:19 - 10:08:56	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag) as planned
04/08/2000	27660	11:02:47 - 11:04:23	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag) as planned
08-09/08/2000	27718 - 27727	11:47:40 (08/08/2000) - 02:09:15 (09/08/2000)	data gap due to an ATSR software anomaly, GOME was switched off
10/08/2000	27745 - 27747	08:39:55 - 13:21:58	GOME was switched off, due to ATSR/IRR offset loops frozen
14/08/2000	27804	12:29:57 - 12:31:33	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag) as planned
24/08/2000	27946	10:36:00 - 10:37:36	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag) as planned
04/09/2000	28104	11:31:49 - 11:33:25	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag) as planned
14/09/2000	28246	09:37:58 - 09:39:35	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag) as planned
24/09/2000	28390	11:05:26 - 11:07:03	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag)
04/10/2000	28534	12:32:42 - 12:34:18	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag) as planned
07-11/10/2000	28580 - 585	16:39:15 (07/10/2000) - 11:15:14 (11/10/2000)	ERS2 payload switched off, due to a platform anomaly
14/10/2000	28676	10:38:57 - 10:40:33	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag) as planned
24/10/2000	28820	12:06:11 - 12:07:47	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag) as planned
04/11/2000	28976	09:40:40 - 09:42:17	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag) as planned
14/11/2000	29120	11:07:43 - 11:09:19	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag) as planned
24/11/2000	29264	12:34:39 - 12:36:16	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag) as planned
04/12/2000	29406	10:40:10 - 10:41:46	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag) as planned
14/12/2000	29550	12:06:47 - 12:08:24	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag) as planned
24/12/2000	29692	10:11:57 - 10:13:33	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag) as planned

Timeline Interruption (operations in static nadir view):

Date	Orbit No.	duration	reason
17/01/00	24798	11:43:57 - 13:06:44	GOME TML 1 stopped due to an AMI ICU Memory Test
30/01/00	24984	11:29:07 - 12:57:43	timeline interruption (TML 1 stopped) due to an ERS-2 on-board anomaly
22/05/2000	26602	11:54:13 - 13:34:49	timeline interruption, instrument in nadir view
17/06/2000	26972	08:38:37 - 09:55:31	TML 1 interrupted, due to an ERS2-on-board anomaly
11/07/2000	27320 - 322	16:03 - 20:45	operations in Nadir View, integration times all permanently at 0.093 sec
13/07/2000	27348	15:43:00 - 16:21:05	timeline interruption due to Payload synchronisation GOME TML1 interrupted
23/07/2000	27489	11:24:51 - 12:46:03	TML 2 interrupted, due to an ERS2-on-board anomaly
27/08/2000	27989	09:42 - 11:08	timeline interruption due to an AMI anomaly
21/11/2000	29224	17:54:08 - 17:57:03	GOME in Nadir view due to timeline interruption due to PL synchronization at KS
21/12/2000	29656/7	21:38:01 - 22:16:43	GOME in Nadir view due to timeline interruption due to PL synchronization

22/12/2000 29662 06:49:31 - 08:20:18 GOME in Nadir view due to timeline interruption due to PL synchronization at KS
 22/12/2000 29664 11:41:30 - 12:29:23 GOME in Nadir view due to timeline interruption due to PL synchronization at KS

Narrow Swath Timeline GMNNOT41

Date	Orbit No.	Duration
04-05/01/00	24614 - 627	~15:00 (04/01/00) - ~12:30 (05/01/00)
14-15/01/00	24756 - 762	~13:00 (14/01/00) - ~12:00 (15/01/00)
24-25/01/00	24900 - 913	~14:00 (24/01/00) - ~12:00 (25/01/00)
04-05/02/00	25056 - 071	~12:00 (04/02/00) - ~13:00 (05/02/00)
14-15/02/00	25201 - 213	~15:00 (14/02/00) - ~11:00 (15/02/00)
24-25/02/00	25344 - 357	~15:00 (24/02/00) - ~12:00 (25/02/00)
04-05/03/00	25472 - 485	~13:00 (04/03/00) - ~11:00 (05/03/00)
14-15/03/00	25616 - 625, 25627	~15:00 (14/03/00) - 07:36 (15/03/00), 09:16 - ~11:00 (15/03/00)
24/03/00	25758-61	~13:00 - 18:09
04-05/04/00	25916-61	~14:00 (04/04/00) - ~11:00 (05/04/00)
14-15/04/00	26058 - 073	~12:00 (14/04/00) - ~13:00 (15/04/00)
24-25/04/00	26202 - 215	~13:00 (24/04/00) - ~11:00 (25/04/00)
04-05/05/00	26348 - 359	~18:00 (04/05/00) - ~12:00 (05/05/00)
14-15/05/00	26488 - 501	~13:00 (14/05/00) - ~12:00 (15/05/00)
24-25/05/00	26632 - 645	~14:00 (24/05/00) - ~12:00 (25/05/00)
04-05/06/00	26788 - 802	~12:00 (04/06/00) - ~13:00 (05/06/00)
14-15/06/00	26932 - 945	~13:00 (14/06/00) - ~11:00 (15/06/00)
24-25/06/00	27076 - 090	~14:30 (24/06/00) - ~14:00 (25/06/00)
14-15/07/2000	27362 - 375	~14:00 (14/07/00) - ~12:00 (15/07/00)
24-25/07/00	27504 - 517	~12:00 (24/07/00) - ~10:00 (25/07/00)
04-05/08/00	27662 - 675	~13:00 (04/08/00) - ~11:00 (05/08/00)
14-15/08/00	27806 - 819	~14:30 (14/08/00) - ~12:00 (15/08/00)
24-25/08/00	27948 - 961	~13:00 (24/08/00) - ~10:00 (25/08/00)
04-05/09/00	28106 - 119	~14:00 (04/09/00) - ~11:00 (05/09/00)
14-15/09/00	28248 - 263	~12:00 (14/09/00) - ~13:00 (15/09/00)
24-25/09/00	28392 - 405	~13:00 (24/09/00) - ~11:00 (25/09/00)
04-05/10/00	28536 - 549	~14:30 (04/10/00) - ~12:00 (05/10/00)
14-15/10/00	28678 - 691	~13:00 (14/10/00) - ~10:30 (15/10/00)
24-25/10/00	28822 - 836	~14:00 (24/10/00) - ~13:30 (25/10/00)
04-05/11/00	28978 - 993	~12:00 (04/11/00) - ~13:00 (05/11/00)
14-15/11/00	29122 - 135	~13:00 (14/11/00) - ~12:00 (15/11/00)
24-25/11/00	29266 - 279	~14:30 (24/11/00) - ~12:00 (25/11/00)
04-05/12/00	29408 - 421	~13:00 (04/12/00) - ~10:00 (05/12/00)
14-15/12/00	29552 - 565	~14:00 (14/12/00) - ~12:00 (15/12/00)
24-25/12/00	29694 - 706	~12:00 (24/12/00) - ~10:00 (25/12/00)

Commanding Problems - Incorrect Timelines Executions

Date	Orbit No.	Duration	remark
			timeline executed incorrectly: - Nominal Swath segment not rotating around 0 deg but around ~45 deg
10/03/00	25556/57	10:14:55 - 11:49:38	- anomalous PMD readouts - 1 Command word in timeline sequence missing

Moon Measurements

Date	reason	remark
21/08/2000	moon measurements performed during Orbits 27906 - 911 duration: ~14:00 - ~22:40	moon measurements: 14:05:29.84, 15:20:42.31, 17:01:18.94, 18:41:49.57, 20:22:26.20, 22:03:02.83
19/09/2000	moon measurements performed during Orbits 28324 - 328 duration: ~18:00 (19/09/2000) - ~02:00 (20/09/2000)	moon measurements: 18:33:33.92, 20:14:16.53, 21:54:53.16, 23:35:29.78, 00:11:53.99
19/10/2000	moon measurements performed during Orbits 28746 - 28750 duration: ~07:00 - ~15:00	moon measurements: 07:51:02.58, 09:30:57.19, 11:11:33.79, 12:52:10.39, 14:32:47.00
17/11/2000	moon measurements performed during Orbits 29161 - 29166 duration: 07:30 - 15:00	moon measurements: 07:39:42.24, 09:22:06.86, 11:02:43.46, 12:43:20.06, 14:23:56.66
	note: an ERS2 orbit manoeuvre was performed 10:48 UTC	
16/12/2000	moon measurements performed during Orbits 29575 - 581 duration: 05:50 - 16:30	moon measurements: 05:49:19.88, 06:27:02.12, 09:11:57.11, 10:52:33.71, 12:33:04.31, 14:13:40.91, 15:54:17.51

Lamp Failures

Date	reason	remark
26/04/2000	Lamp Failure (no. 17) Orbit 26228 start of sun calibration: 10:40:34.14	Lamp Failure set, calibration lamp voltage decreased suddenly from ~197 to a value of ~159V (nominal ~197 V), lamp calibr. interrupted (lamp failure flag set from 10:44:47 - 10:46:29)
28/04/2000	Lamp Failure (no. 18) Orbit 26258 start of sun calibration: 12:58:22.74	Lamp Failure set, calibration lamp voltage reached only a value of ~159 V after start (nominal ~197 V), lamp calibr. interrupted (lamp failure flag set from 13:02:34 - 13:04:15)

29/04 /2000	Lamp Failure (no. 19) Orbit 26272 start of sun calibration: 12:26:37.23	Lamp Failure set, calibration lamp voltage decreased suddenly from ~197 to a value of ~159V (nominal ~197 V), lamp calibr. interrupted (lamp failure flag set from 12:30:50 - 12:32:32)
09/05 /2000	Lamp Failure (no. 20) Orbit 26414 start of sun calibration: 10:30:50.46	Lamp Failure set, calibration lamp voltage reached only a value of ~159V (nominal ~197 V), lamp calibr. interrupted (lamp failure flag set from 10:35:05 - 10:36:47)
09/06 /2000	Lamp Failure (no. 21) Orbit 26858 start of sun calibration: 10:55:06.55	Lamp Failure set, calibration lamp voltage reached only a value of ~159.6 V (nominal ~197 V), lamp calibr. interrupted (lamp failure flag set from 10:59:20 - 11:01:06)
24/07 /2000	Lamp Failure (no. 22) Orbit 27502 start of sun calibration: 10:41:37.52	Lamp Failure set, calibration lamp voltage reached only a value of ~159.6 V (nominal ~197 V), lamp calibr. interrupted (lamp failure flag set from 10:45:52 - 10:47:33)
30/08 /2000	Lamp Failure (no. 23) Orbit 28031 start of sun calibration: 11:22:22.78	Lamp Failure set, calibration lamp voltage reached only a value of ~159.6 V (nominal ~197 V), lamp calibr. interrupted (lamp failure flag set from 11:26:36 - 11:28:16)
31/08 /2000	Lamp Failure (no. 24) Orbit 28045 start of sun calibration: 10:50:55.49	Lamp Failure set, calibration lamp voltage reached only a value of ~160 V (nominal ~197 V), lamp calibr. interrupted (lamp failure flag set from 10:55:06 - 10:56:48)
01/09 /2000	Lamp Failure (no. 25) Orbit 28060 start of sun calibration: 10:19:22.21	Lamp Failure set, calibration lamp voltage reached only a value of ~159.8 V (nominal ~197 V), lamp calibr. interrupted (lamp failure flag set from 10:23:35 - 10:25:17)
01/10 /2000	Lamp Failure (no. 26) Orbit 28490 start of sun calibration: 11:20:19.92	Lamp Failure set, calibration lamp voltage reached only a value of ~159.8 V (nominal ~197 V), lamp calibr. interrupted (lamp failure flag set from 11:24:31 - 11:26:13)
12/10 /2000	Lamp Failure (no. 27) Orbit 28648 start of sun calibration: 12:47:43.77	Lamp Failure set, calibration lamp voltage reached only a value of ~159.8 V (nominal ~197 V), lamp calibr. interrupted (lamp failure flag set from 12:10:46 - 12:12:31)

Lamp Failure (no. 28)
Orbit 28734

18/10
/2000 start of sun calibration:

12:28:25.58

Lamp Failure (no. 29)
Orbit 29764

29/12
/2000 start of sun calibration:

11:29:03.68

Lamp Failure set, calibration lamp voltage reached only a value of ~160.1 V (nominal ~197 V), lamp calibr. interrupted (lamp failure flag set from 12:32:34 - 12:34:16)

Lamp Failure set, calibration lamp voltage reached only a value of ~159.8 V (nominal ~197 V), lamp calibr. interrupted (lamp failure flag set from 11:33:15 - 11:34:57)

Other Events

Date	Orbit	remark
10/03 /00 -	25550 -	GOME North Polar View (GMNNPT35, GMNNPT36) operations
06/05 /00	26380	
20/03 /00	25702	Time Tag operations tested: (to test impact of short instrument switch-off on thermal environment)
	25822, 25824,	
29/03 /2000	25826, 25828, 25830	monthly calibration timeline performed due to an operational error
19/04 /00	26127	Time Tag operations tested: (to test impact of short instrument switch-off on thermal environment)
03-04 /05 /00	26337	timeline GMN11 operated (switch-off/switch-on in time-tag) routinely; planned every day 04, 14, 24 of each month
		no usual timelines active: - Scan Mirror not active (position 261.8 Deg, Motor is off) - detector coolers are off
05-07 /07 /2000	27234 - 27259	- integration times all permanently at 0.093 sec - no co-adding flags set
		no usual timelines active: error in recovery from ER2-UNA-2000/027
		- Scan Mirror not active (position 261.8 Deg, Motor is off) - detector coolers are off
07-08 /07 /2000	27260 - 274	- integration times all permanently at 0.093 sec - no co-adding flags set -Patch/Default flag set

11/07 27316
/2000 -
27320

- Patch/Dump flag set
- Memorize Bias flag set
- no usual timelines active:
- Scan Mirror not active (position 261.8 Deg, Motor is off)
- detector coolers are off
- integration times all permanently at 0.093 sec

11/07 27320
/2000 - 322

- no co-adding flags set
- Scan Mirror and Motor switched on, Mirror in Nadir View position
- detector coolers are on
- integration times all permanently at 0.093 sec

06/09 28128
/00 -
27/10 -
/2000 28870

GOME South Polar View Timeline (GMNSPT31, GMNSPT32) operations; scan amplitude of +/- 4.3 deg;
the polar timeline is alternating with the nominal operational timeline with 960 km swath

12-13 28648
/10 and
/2000 28662

Due to an operational error, timeline TST44 was operated instead of SOT33.
A calibration timeline with two lamp calibration sequences (instead of only one lamp calibration sequence) and one sun calibration sequence was performed

24-25 28823
/10 - 835
/00

ERS2 was in Fine Pointing Mode and switched afterwards back to Yaw Steering Mode (ERS2-UNA-2000/051) this is due to gyro 6 was becoming noisy, and operations were changed to use gyro 1 (ERS2-UNA-2000/050)

02/11 28948
/00 - 952

ERS2 was in Fine Pointing Mode owing to the reconfiguration of gyros for coarse mode (ERS2-UNA-2000/052)

05-06 29422
/12 - 430
/00

ERS2 was in Fine Pointing Mode (FPM) and Orbit Control Mode(OCM) (see ERS2-UNA-2000/055)