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Summary of Anomalies:

1 - KS dump orb. 32871, EGOI many gaps  
 10:54:56 - 11:16:10

2 - MS dump Orb 32865 EGOI missing  
 00:00:00 - 00:46:53

MS dump Orb 32878 EGOI missing  
 22:47:29 - 24:00:00

3 - calibration lamp instability  
 voltage: 11:01:20 (nom. = ~197)  
 current: 0.0 mA (nom. = ~9.8)

4 - Memory Dump (change to the day before):  
 address 1300B in E2PROMCOPY changed from template value 10 to actual 1

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Station ID

Start (end of last prod.)	Stop	Duration	GS DOrbit	Comment
. 03-AUG-2001 10:54:56.910	10:54:58.410	00:00:01.500	KS	32871
. 03-AUG-2001 10:54:59.910	10:55:01.410	00:00:01.500	KS	32871
. 03-AUG-2001 10:55:02.910	10:55:05.910	00:00:03.000	KS	32871
. 03-AUG-2001 10:55:17.910	10:55:20.910	00:00:03.000	KS	32871
. 03-AUG-2001 10:55:28.410	10:55:34.410	00:00:06.000	KS	32871
. 03-AUG-2001 10:55:35.910	10:55:40.410	00:00:04.500	KS	32871
. 03-AUG-2001 10:55:46.410	10:55:47.910	00:00:01.500	KS	32871
. 03-AUG-2001 10:55:59.910	10:56:01.410	00:00:01.500	KS	32871
. 03-AUG-2001 10:56:02.910	10:56:08.920	00:00:06.010	KS	32871
. 03-AUG-2001 10:56:25.420	10:56:35.920	00:00:10.500	KS	32871
. 03-AUG-2001 10:56:38.920	10:56:41.920	00:00:03.000	KS	32871
. 03-AUG-2001 10:56:46.420	10:56:49.420	00:00:03.000	KS	32871
. 03-AUG-2001 10:56:52.420	10:56:55.420	00:00:03.000	KS	32871
. 03-AUG-2001 10:56:59.920	10:57:01.420	00:00:01.500	KS	32871
. 03-AUG-2001 10:57:07.420	10:57:08.920	00:00:01.500	KS	32871
. 03-AUG-2001 10:57:20.920	10:57:22.420	00:00:01.500	KS	32871
. 03-AUG-2001 10:57:26.920	10:57:31.420	00:00:04.500	KS	32871
. 03-AUG-2001 10:57:32.920	10:57:34.420	00:00:01.500	KS	32871
. 03-AUG-2001 10:57:47.920	10:57:49.420	00:00:01.500	KS	32871
. 03-AUG-2001 10:58:01.420	10:58:02.920	00:00:01.500	KS	32871
. 03-AUG-2001 10:58:10.430	10:58:11.930	00:00:01.500	KS	32871
. 03-AUG-2001 10:58:16.430	10:58:17.930	00:00:01.500	KS	32871
. 03-AUG-2001 10:58:22.430	10:58:26.930	00:00:04.500	KS	32871
. 03-AUG-2001 10:58:28.430	10:58:31.430	00:00:03.000	KS	32871
. 03-AUG-2001 10:58:37.430	10:58:40.430	00:00:03.000	KS	32871
. 03-AUG-2001 10:58:50.930	10:58:53.930	00:00:03.000	KS	32871
. 03-AUG-2001 10:58:55.430	10:59:07.430	00:00:12.000	KS	32871
. 03-AUG-2001 10:59:10.430	10:59:13.430	00:00:03.000	KS	32871
. 03-AUG-2001 10:59:19.430	10:59:20.930	00:00:01.500	KS	32871
. 03-AUG-2001 10:59:23.940	10:59:26.940	00:00:03.000	KS	32871
. 03-AUG-2001 10:59:28.440	10:59:29.940	00:00:01.500	KS	32871
. 03-AUG-2001 10:59:31.440	10:59:35.940	00:00:04.500	KS	32871
. 03-AUG-2001 10:59:58.440	11:00:02.940	00:00:04.500	KS	32871
. 03-AUG-2001 11:00:04.440	11:00:08.940	00:00:04.500	KS	32871
. 03-AUG-2001 11:00:26.940	11:00:32.940	00:00:06.000	KS	32871
. 03-AUG-2001 11:00:34.440	11:00:35.940	00:00:01.500	KS	32871
. 03-AUG-2001 11:00:56.940	11:01:02.940	00:00:06.000	KS	32871
. 03-AUG-2001 11:01:22.450	11:01:25.450	00:00:03.000	KS	32871
. 03-AUG-2001 11:01:28.450	11:01:32.950	00:00:04.500	KS	32871
. 03-AUG-2001 11:01:35.950	11:01:37.450	00:00:01.500	KS	32871
. 03-AUG-2001 11:01:43.450	11:01:44.950	00:00:01.500	KS	32871
. 03-AUG-2001 11:01:59.950	11:02:02.960	00:00:03.010	KS	32871
. 03-AUG-2001 11:02:04.460	11:02:05.960	00:00:01.500	KS	32871

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. 03-AUG-2001 11:02:08.960 11:02:11.960 00:00:03.000 KS 32871
. 03-AUG-2001 11:02:17.960 11:02:19.460 00:00:01.500 KS 32871
. 03-AUG-2001 11:02:26.960 11:02:31.460 00:00:04.500 KS 32871
. 03-AUG-2001 11:02:56.960 11:03:02.960 00:00:06.000 KS 32871
. 03-AUG-2001 11:03:19.460 11:03:20.960 00:00:01.500 KS 32871
. 03-AUG-2001 11:03:23.960 11:03:38.960 00:00:15.000 KS 32871
. 03-AUG-2001 11:03:40.460 11:04:13.470 00:00:33.010 KS 32871
. 03-AUG-2001 11:04:14.970 11:04:23.970 00:00:09.000 KS 32871
. 03-AUG-2001 11:04:25.470 11:04:40.470 00:00:15.000 KS 32871
. 03-AUG-2001 11:04:41.970 11:05:08.970 00:00:27.000 KS 32871
. 03-AUG-2001 11:05:11.980 11:05:17.980 00:00:06.000 KS 32871
. 03-AUG-2001 11:05:19.480 11:07:25.490 00:02:06.010 KS 32871
. 03-AUG-2001 11:07:26.990 11:07:41.990 00:00:15.000 KS 32871
. 03-AUG-2001 11:07:43.490 11:07:50.990 00:00:07.500 KS 32871
. 03-AUG-2001 11:07:53.990 11:07:59.990 00:00:06.000 KS 32871
. 03-AUG-2001 11:08:01.490 11:08:05.990 00:00:04.500 KS 32871
. 03-AUG-2001 11:08:07.490 11:08:08.990 00:00:01.500 KS 32871
. 03-AUG-2001 11:08:10.490 11:08:34.490 00:00:24.000 KS 32871
. 03-AUG-2001 11:08:35.990 11:08:55.490 00:00:19.500 KS 32871
. 03-AUG-2001 11:08:56.990 11:09:03.000 00:00:06.010 KS 32871
. 03-AUG-2001 11:09:06.000 11:09:25.500 00:00:19.500 KS 32871
. 03-AUG-2001 11:09:28.500 11:09:30.000 00:00:01.500 KS 32871
. 03-AUG-2001 11:09:31.500 11:09:54.000 00:00:22.500 KS 32871
. 03-AUG-2001 11:09:55.500 11:10:04.500 00:00:09.000 KS 32871
. 03-AUG-2001 11:10:06.000 11:10:12.000 00:00:06.000 KS 32871
. 03-AUG-2001 11:10:13.500 11:10:21.010 00:00:07.510 KS 32871
. 03-AUG-2001 11:10:22.510 11:10:24.010 00:00:01.500 KS 32871
. 03-AUG-2001 11:10:25.510 11:10:39.010 00:00:13.500 KS 32871
. 03-AUG-2001 11:10:40.510 11:10:54.010 00:00:13.500 KS 32871
. 03-AUG-2001 11:10:55.510 11:11:24.010 00:00:28.500 KS 32871
. 03-AUG-2001 11:11:25.510 11:11:36.010 00:00:10.500 KS 32871
. 03-AUG-2001 11:11:37.510 11:11:57.010 00:00:19.500 KS 32871
. 03-AUG-2001 11:11:58.510 11:12:16.520 00:00:18.010 KS 32871
. 03-AUG-2001 11:12:18.020 11:12:37.520 00:00:19.500 KS 32871
. 03-AUG-2001 11:12:39.020 11:13:07.520 00:00:28.500 KS 32871
. 03-AUG-2001 11:13:09.020 11:13:24.020 00:00:15.000 KS 32871
. 03-AUG-2001 11:13:25.520 11:13:33.030 00:00:07.510 KS 32871
. 03-AUG-2001 11:13:34.530 11:13:37.530 00:00:03.000 KS 32871
. 03-AUG-2001 11:13:39.030 11:13:57.030 00:00:18.000 KS 32871
. 03-AUG-2001 11:13:58.530 11:14:07.530 00:00:09.000 KS 32871
. 03-AUG-2001 11:14:09.030 11:14:27.030 00:00:18.000 KS 32871
. 03-AUG-2001 11:14:28.530 11:15:06.030 00:00:37.500 KS 32871
. 03-AUG-2001 11:15:07.530 11:15:36.040 00:00:28.510 KS 32871
. 03-AUG-2001 11:15:37.540 11:15:57.040 00:00:19.500 KS 32871
. 03-AUG-2001 11:15:58.540 11:16:03.040 00:00:04.500 KS 32871
. 03-AUG-2001 11:16:04.540 11:16:10.540 00:00:06.000 KS 32871

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MPH Product Confidence      OK
SPH Window Information      OK
Command Word Echo Summary   OK
Instrument Status 1A        OK
Instrument Status 1B        OK
Instrument Status 2         OK
Integration Times Channel 1 OK
Co-Adding and Cluster Mode Flags OK
Integration Times Band 2A   OK
Integration Times Band 2B   OK
Integration Times Band 3    OK
Integration Times Band 4    OK
Scan Mirror Position        OK
Polarisation Detectors     OK
FPA Temperatures A         OK
FPA Temperatures B         OK
Charge Amp Temperatures    OK
Other Temperatures A       OK
DDHU Temperatures          OK
Optical Bench Temperatures OK
Other Temperatures B       OK

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Calibr. Lamp and Instr. Status 3 >>SOT33 performed in dump Orb. 32871  
start of sun calibration 10:55:53  
intensity of sun calibration:  
~18000 BU ->PMD2 readouts analysed with ERGO;  
(note: due to seasonal effects nominal values  
range between ~16000 - ~19000 BU)

calibration lamp instability  
see above

Scan Mirror Motor Current OK  
Selected Temperature A OK  
Selected Temperature B OK  
Selected Temperature C OK  
Channel 1 Summation OK  
Channel 2 Summation OK  
Channel 3 Summation OK  
Channel 4 Summation OK  
Log pages OK  
331/318 nm Uncal. Line Ratio OK  
Uncal. PMDs as RGB signal OK  
780 nm Uncal. Intensity OK

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GOME Memory Dump Check

03 Aug

2001  
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8996 differences found in RAM1 area  
0 differences found in PROMCOPY area  
5 differences found in E2PROMCOPY area

Address	Actual	Template
12FDE	0	FF
12FDF	7	FF
13003	0	1
13007	0	1
1300B	1	10

0 differences found in E2PROM area  
0 differences found in RAM2 area  
0 differences found in PROM area