
Mauna Loa Solar Observatory Observer's Log

Wed Jan 25 17:24:17 GMT 2012

Year: 12 Doy: 025

Observer: berkey

Wed Jan 25 17:31:54 GMT 2012: PSPT Start Patrol

Wed Jan 25 17:32:17 GMT 2012 H-ALPHA Start Patrol

Wed Jan 25 17:42:28 GMT 2012 COMP Start Patrol

WEATHER COMMENT: Wed Jan 25 17:42:25 GMT 2012

Clear skies, temp 35f, wind 5mph from se

____end____

Wed Jan 25 18:02:03 GMT 2012 MKIV Start Patrol

MKIV PROBLEM COMMENT BY BEN: Wed Jan 25 18:41:48 GMT 2012

Akamai crash with following error:

Exception at interrupt level:

Access Fault

Program Counter: 0x001e8ba6

Status Register: 0x2100

Access Address : 0x02000000

Special Status : 0x0105

Regs at 0xab930

____end____

MKIV PROBLEM COMMENT BY BEN: Wed Jan 25 18:43:52 GMT 2012

After this akamai rebooted but the video signal on the monitor did not change.

____end____

MKIV PROBLEM COMMENT BY BEN: Wed Jan 25 18:46:11 GMT 2012

After reboot:

setCortab 1

Access Fault

Program Counter: 0x0015b206

Status Register: 0x3014

Access Address : 0xfffff2510

Special Status : 0x00c5

```
2ec24 _vxTaskEntry +10 : _shell (0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0)
5b5bc _shell +138: 5b5da ([0, 0, 0, 5b3e0, 0])
5b75c _shell +2d8: _execute (3a868e)
5b880 _execute +ac : _yyparse ([0, 0, 0, 3a868e, 0])
5faea _yyparse +514: 5e4b4 (34f0d8, 34f0f8)
5e5c0 _yystart +758: _setCortab (1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0)
15305e _setCortab +1c : _loadCortab (0, 0, 0)
shell restarted.
```

____end____

Wed Jan 25 18:48:37 GMT 2012 COMP End Patrol

Wed Jan 25 18:54:38 GMT 2012 MKIV Start Patrol

Wed Jan 25 18:56:09 GMT 2012 COMP Start Patrol

Wed Jan 25 19:07:02 GMT 2012 MKIV End Patrol

Wed Jan 25 19:07:12 GMT 2012 MKIV Start Cal

Wed Jan 25 19:23:19 GMT 2012 CHIP Start Patrol

Wed Jan 25 19:24:29 GMT 2012: PSPT Start Patrol

Wed Jan 25 19:26:06 GMT 2012 MKIV End Cal

Wed Jan 25 19:26:12 GMT 2012 MKIV Start Patrol

Wed Jan 25 21:15:23 GMT 2012: PSPT Start Patrol

Wed Jan 25 21:44:09 GMT 2012 COMP End Patrol

Wed Jan 25 21:44:44 GMT 2012 COMP Start Patrol

Wed Jan 25 21:56:53 GMT 2012 CHIP End Patrol

CHIP PROBLEM COMMENT BY BEN: Wed Jan 25 21:57:18 GMT 2012

Kii crashed with a watch dog fault, but memory checks showed nothing wrong

____end____

PSPT PROBLEM COMMENT BY BEN: Wed Jan 25 22:06:29 GMT 2012

Pspt got stuck homeing the filter

____end____

Wed Jan 25 22:15:42 GMT 2012 CHIP Start Patrol

Wed Jan 25 22:26:31 GMT 2012: PSPT Start Patrol

Wed Jan 25 23:00:41 GMT 2012 CHIP LSD

Wed Jan 25 23:02:26 GMT 2012 CHIP End LSD
Wed Jan 25 23:02:34 GMT 2012 CHIP BiasLSD
Wed Jan 25 23:03:24 GMT 2012 CHIP End BiasLSD
Wed Jan 25 23:03:32 GMT 2012 CHIP Bias
Wed Jan 25 23:04:15 GMT 2012 CHIP End Bias
Wed Jan 25 23:04:28 GMT 2012 CHIP ReStart Patrol
Wed Jan 25 23:40:50 GMT 2012 CHIP End Patrol
Wed Jan 25 23:44:39 GMT 2012 COMP End Patrol
Wed Jan 25 23:43:39 GMT 2012 CHIP Start Patrol
Wed Jan 25 23:46:04 GMT 2012 MKIV End Patrol
NOTE BY BEN: Wed Jan 25 23:48:50 GMT 2012
Cloluds starting to move in, might have to close domes soon
____end____

Thu Jan 26 00:04:45 GMT 2012 CHIP End Patrol
Thu Jan 26 00:06:04 GMT 2012: PSPT Abort Patrol
Thu Jan 26 00:06:12 GMT 2012: PSPT Abort Patrol
Thu Jan 26 00:06:20 GMT 2012: PSPT Abort Patrol
Thu Jan 26 00:06:28 GMT 2012: PSPT Abort Patrol
Thu Jan 26 00:06:36 GMT 2012: PSPT Abort Patrol
NOTE BY BEN: Thu Jan 26 01:48:58 GMT 2012
Fog now very thick.
____end____

GENERAL PROBLEM COMMENT BY BEN: Thu Jan 26 01:59:41 GMT 2012
The MLSO-PC vpn client isn't functional, I beleive this is why the svn software wasnt working on the computer.
____end____

CHIP COMMENT BY BEN: Thu Jan 26 02:01:02 GMT 2012
Kii check summary.
-Repeat test from yesterday using photon hardware with kii edt board and kii hard drive . Here I found the same Async memory error that we got yesterday. Various google searches seem to say this problem is likely a bad cpu.
-Moved kii edt board and kii hard drive back to kii shell then replaced kii ram with photon ram. Kii then ran fine for about 2.5 hours before crashing with a watch dog timer fault.
-Restarting kii ran again for about 45 minutes.
-Next the photon cpu boards were swapped into kii, this gave the same Async errors seen when the kii hard drive was in photon. I think this conclusively says the one or both of the photon processors are bad.
-Next the nene edt board was swapped into kii
The final configuration of kii for today is: the kii box with photon ram and nene edt board. It seems to work during the 15 minute test I able to conduct before the clouds rolled in. Hopefully tomorrow we get a better test. I really hope the edt board was the problem.
____end____

PSPT PROBLEM COMMENT BY BEN: Thu Jan 26 02:06:10 GMT 2012
I found some oil on the table at the north end of the pspt pier. It looks like it is d ripping from the motor/drive train of the shutter.
____end____

Thu Jan 26 02:14:15 GMT 2012
MkIV

18_02.rawmk4	19_49.rawmk4	20_51.rawmk4	21_57.rawmk4	22_58.rawmk4
18_05.rawmk4	19_52.rawmk4	20_54.rawmk4	21_59.rawmk4	23_01.rawmk4
18_08.rawmk4	19_55.rawmk4	20_57.rawmk4	22_02.rawmk4	23_04.rawmk4
18_10.rawmk4	19_58.rawmk4	21_00.rawmk4	22_05.rawmk4	23_07.rawmk4
18_13.rawmk4	20_01.rawmk4	21_03.rawmk4	22_08.rawmk4	23_10.rawmk4
18_16.rawmk4	20_04.rawmk4	21_06.rawmk4	22_11.rawmk4	23_13.rawmk4
18_54.rawmk4	20_07.rawmk4	21_09.rawmk4	22_14.rawmk4	23_16.rawmk4
18_57.rawmk4	20_10.rawmk4	21_12.rawmk4	22_17.rawmk4	23_19.rawmk4
19_00.rawmk4	20_13.rawmk4	21_17.rawmk4	22_20.rawmk4	23_22.rawmk4
19_03.rawmk4	20_16.rawmk4	21_21.rawmk4	22_23.rawmk4	23_25.rawmk4
19_10.rawmk4	20_19.rawmk4	21_24.rawmk4	22_26.rawmk4	23_28.rawmk4
19_16.rawmk4	20_22.rawmk4	21_27.rawmk4	22_29.rawmk4	23_31.rawmk4
19_22.rawmk4	20_25.rawmk4	21_30.rawmk4	22_32.rawmk4	23_34.rawmk4
19_26.rawmk4	20_27.rawmk4	21_33.rawmk4	22_35.rawmk4	23_36.rawmk4
19_29.rawmk4	20_30.rawmk4	21_36.rawmk4	22_38.rawmk4	23_39.rawmk4
19_32.rawmk4	20_33.rawmk4	21_39.rawmk4	22_41.rawmk4	23_42.rawmk4

19_35.rawmk4	20_36.rawmk4	21_42.rawmk4	22_44.rawmk4	c19_07.rawmk4
19_38.rawmk4	20_39.rawmk4	21_45.rawmk4	22_46.rawmk4	c19_13.rawmk4
19_40.rawmk4	20_42.rawmk4	21_48.rawmk4	22_49.rawmk4	c19_19.rawmk4
19_43.rawmk4	20_45.rawmk4	21_51.rawmk4	22_52.rawmk4	
19_46.rawmk4	20_48.rawmk4	21_54.rawmk4	22_55.rawmk4	