
Mauna Loa Solar Observatory Observer's Log

Thu Jan 6 17:45:56 GMT 2000

Year: 00 Doy: 006

Observer: koon

WEATHER COMMENT: Thu Jan 6 17:45:59 GMT 2000

Clear sky, wind=10 mph from the SE, temp=40 F.

MKIV PROBLEM:
Thu Jan 6 17:50:57 GMT 2000

Twice this morning the akamai window disappeared about one second after appearing upon powerup of akamai. I'm going to try observing without the akamai window present.

Thu Jan 6 17:52:30 GMT 2000 CHIP Startup--Initializing new tape

Thu Jan 6 17:54:28 GMT 2000 CHIP CHIP Start Patrol

Thu Jan 6 17:54:28 GMT 2000 CHIP CHIP Start Patrol

Thu Jan 6 18:01:12 GMT 2000 CHIP Bias

Thu Jan 6 18:02:20 GMT 2000 CHIP End Bias

Thu Jan 6 18:02:34 GMT 2000 CHIP Water

Thu Jan 6 18:02:49 GMT 2000 PICS Flat

Thu Jan 6 18:03:16 GMT 2000 CHIP End Water

Thu Jan 6 18:05:27 GMT 2000 PICS End Flat

Thu Jan 6 18:39:40 GMT 2000 PICS End Patrol

Thu Jan 6 19:01:17 GMT 2000 CHIP Bias

Thu Jan 6 19:02:27 GMT 2000 CHIP End Bias

Thu Jan 6 19:02:42 GMT 2000 CHIP Water

Thu Jan 6 19:03:34 GMT 2000 CHIP End Water

PICS PROBLEM:
Thu Jan 6 19:16:01 GMT 2000

Still have a problem finding the Clear position. It worked OK for a while this morning but now it can't find it every time. I see the Home LED light at the right time but it is before the Bit #1 LED which just blinks right at the end of it's wedge as the encoding wheel rotates. This worked flawlessly yesterday afternoon, It may be due to thermal expansion or contraction of the something, it has been really cold in the mornings, especially with the wind chill. If I put the wheel in the correct position with a power supply the Bit #1 LED won't light until I remove and replace the Wheel Status board, even if I use a different board. This may mean that the HEI voltage is just below the threshold needed to set Bit #1.

GONG PROBLEM:
Thu Jan 6 19:35:53 GMT 2000

Still no reply from Jean at GONG, so I called Lana and gave her all the information about the xterm console login problem and the network slowdown and asked her to check if GONG network activities have changed in case they may be causing the slowdown. I mentioned how the TCP login manager on the GONG workstation wasn't responding, she said they installed TCP wrappers back in November during their PM trip but doesn't know of any new network changes. She'll check it out and call me back.

GONG PROBLEM:
Thu Jan 6 19:49:17 GMT 2000

Lana called back already, nothing unusual could be found, and she said I can try a workstation reboot now that everything has been checked. So I'm

going to do that in a few minutes.

Thu Jan 6 20:01:08 GMT 2000 CHIP Gain
Thu Jan 6 20:07:03 GMT 2000 CHIP End Gain
Thu Jan 6 20:07:17 GMT 2000 CHIP Bias
Thu Jan 6 20:08:18 GMT 2000 CHIP End Bias
Thu Jan 6 20:08:29 GMT 2000 CHIP Water
Thu Jan 6 20:09:10 GMT 2000 CHIP End Water

****GONG PROBLEM****: Thu Jan 6 20:16:04 GMT 2000

I reset the workstation, unlike yesterday there were error messages all over a white non-observing screen:

Error: cannot open iraf shared library S7.e

and after the reboot those messages were still coming up on the xterm window. I asked Lana and she said Jean found a problem with the iraf stuff yesterday. So it appears they still aren't sure if they are back to normal. After the reboot our console still can't login to the workstation, no change.

****PICS PROBLEM****: Thu Jan 6 20:28:59 GMT 2000

Manually moved the wheel using the power supply, no Bit #1 LED lit, went upstairs with a heatgun and heated the decoder/HEI area, the Bit#1 LED came on. Definitely a thermal problem upstairs. Will try moving the Bit #1 HEI next.

Thu Jan 6 21:01:10 GMT 2000 CHIP Bias
Thu Jan 6 21:02:18 GMT 2000 CHIP End Bias
Thu Jan 6 21:02:28 GMT 2000 CHIP Water
Thu Jan 6 21:03:15 GMT 2000 CHIP End Water

COMMENT: Thu Jan 6 21:15:39 GMT 2000

NOAA Darryl switched our FO cable to a different FO hub at about 2105. We were on the hub with GONG and may have been slowed down by their bandwidth usage or a faulty hub. Getting mail messages is much faster now.

Thu Jan 6 21:25:24 GMT 2000 MKIV Start Patrol

MKIV COMMENT: Thu Jan 6 21:26:10 GMT 2000

I forgot to restart the Patrol after the cal, just did it now, too much running around.

****GONG PROBLEM****: Thu Jan 6 21:29:22 GMT 2000

The MLSO console now will connect to the shelter, new hub better.

COMMENT: Thu Jan 6 21:29:53 GMT 2000

MLO image computer working, new hub better.

COMMENT: Thu Jan 6 21:30:18 GMT 2000

Darryl is going back down to add the GONG shelter to the new hub, then we'll see if everyone (including NOAA) gets slowed down drastically. If so, then GONG is causing the problem, if not then the old hub is bad. One thing is for sure, the network connection is back to normal using this new hub.

COMMENT: Thu Jan 6 21:46:12 GMT 2000

OK, we tried various combinations of hubs and cables and it looks like the old hub is intermittently slow. I'll ask GONG to send out a new one, until then we'll be on the new hub and they'll be on the old hub.

Thu Jan 6 22:01:11 GMT 2000 CHIP Bias
Thu Jan 6 22:02:20 GMT 2000 CHIP End Bias
Thu Jan 6 22:02:36 GMT 2000 CHIP Water
Thu Jan 6 22:03:24 GMT 2000 CHIP End Water
Thu Jan 6 23:01:12 GMT 2000 CHIP Bias
Thu Jan 6 23:02:23 GMT 2000 CHIP End Bias
Thu Jan 6 23:02:34 GMT 2000 CHIP Water
Thu Jan 6 23:03:20 GMT 2000 CHIP End Water

PICS PROBLEM : Thu Jan 6 23:31:01 GMT 2000

Now that I'm finally able to continue work on the occulting wheel decoding it is working fine every time, probably due to warmer temp. I started Patrol so I can get data (if nothing else) until it starts failing again. I need to try an adjustment when Bit #1 isn't being sensed.

PICS PROBLEM : Thu Jan 6 23:34:34 GMT 2000

Patrol stalled at Init., doing Kill/Run to restart.

Thu Jan 6 23:36:53 GMT 2000 PICS Start Patrol

PICS PROBLEM : Thu Jan 6 23:43:51 GMT 2000

I forgot to mention that earlier I tried blowing air over the HEI in case dust had settled there but there was no change in the problem. Right now there are no symptoms of the problem and since the problem appears worse in the morning that would be the time to work on this, that's a drag after getting this close. It appears the problem is either that the inner HEI needs to be adjusted to see through the Bit #1 hole better or the HEI is defective and needs to be replaced.

Thu Jan 6 23:50:28 GMT 2000 PICS End Patrol
Fri Jan 7 00:01:29 GMT 2000 CHIP Bias
Fri Jan 7 00:02:41 GMT 2000 CHIP End Bias
Fri Jan 7 00:02:52 GMT 2000 CHIP Water
Fri Jan 7 00:03:38 GMT 2000 CHIP End Water
Fri Jan 7 00:15:33 GMT 2000 CHIP CHIP End Patrol
Fri Jan 7 00:16:49 GMT 2000 CHIP ending tape
COMMENT: Fri Jan 7 00:21:09 GMT 2000

TAPES:

MKIV: 00006

CHIP: C01005

PICS: P01629

LOWL: L00657 in drive #1 and L00658 in drive #0

LOW-L PROBLEM : Fri Jan 7 00:25:47 GMT 2000

Crashed at 23:30, graphics across screen, no data taken after crash. Removed L00657 and installed L00659 in drive #0, data going to L00658 in drive #0

Fri Jan 7 00:27:12 GMT 2000

MkIV

17_54.rawmk4	18_53.rawmk4	20_02.rawmk4	22_21.rawmk4	23_21.rawmk4
17_57.rawmk4	18_56.rawmk4	21_25.rawmk4	22_24.rawmk4	23_23.rawmk4
18_00.rawmk4	18_59.rawmk4	21_28.rawmk4	22_27.rawmk4	23_26.rawmk4
18_03.rawmk4	19_02.rawmk4	21_31.rawmk4	22_30.rawmk4	23_29.rawmk4
18_06.rawmk4	19_05.rawmk4	21_34.rawmk4	22_33.rawmk4	23_32.rawmk4
18_09.rawmk4	19_08.rawmk4	21_37.rawmk4	22_36.rawmk4	23_35.rawmk4
18_12.rawmk4	19_11.rawmk4	21_40.rawmk4	22_39.rawmk4	23_38.rawmk4
18_15.rawmk4	19_14.rawmk4	21_43.rawmk4	22_42.rawmk4	23_41.rawmk4
18_17.rawmk4	19_17.rawmk4	21_46.rawmk4	22_45.rawmk4	23_44.rawmk4
18_20.rawmk4	19_20.rawmk4	21_49.rawmk4	22_48.rawmk4	23_47.rawmk4
18_23.rawmk4	19_23.rawmk4	21_52.rawmk4	22_51.rawmk4	23_50.rawmk4
18_26.rawmk4	19_26.rawmk4	21_55.rawmk4	22_54.rawmk4	23_53.rawmk4
18_29.rawmk4	19_29.rawmk4	21_58.rawmk4	22_57.rawmk4	23_56.rawmk4
18_32.rawmk4	19_32.rawmk4	22_01.rawmk4	23_00.rawmk4	c19_46.rawmk4
18_35.rawmk4	19_35.rawmk4	22_03.rawmk4	23_03.rawmk4	c19_53.rawmk4
18_38.rawmk4	19_37.rawmk4	22_06.rawmk4	23_06.rawmk4	c19_59.rawmk4
18_41.rawmk4	19_40.rawmk4	22_09.rawmk4	23_09.rawmk4	
18_44.rawmk4	19_43.rawmk4	22_12.rawmk4	23_12.rawmk4	
18_47.rawmk4	19_49.rawmk4	22_15.rawmk4	23_15.rawmk4	
18_50.rawmk4	19_56.rawmk4	22_18.rawmk4	23_18.rawmk4	