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Mauna Loa Solar Observatory Observer's Log  
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Mon Feb 11 17:17:52 GMT 2013

Year: 13 Doy: 042

Observer: rose

Mon Feb 11 17:28:56 GMT 2013: PSPT Start Patrol

WEATHER COMMENT: Mon Feb 11 17:30:57 GMT 2013

34F winds 10-15mph out of the SE

\_\_\_\_end\_\_\_\_

Mon Feb 11 17:35:29 GMT 2013 COMP Start Patrol

Mon Feb 11 17:37:00 GMT 2013 MKIV Start Patrol

Mon Feb 11 17:39:14 GMT 2013 CHIP Start Patrol

WEATHER COMMENT: Mon Feb 11 17:43:22 GMT 2013

sky hazy to the east

\_\_\_\_end\_\_\_\_

Mon Feb 11 17:57:46 GMT 2013 CHIP End Patrol

NOTE BY BEN: Mon Feb 11 18:02:47 GMT 2013

Added Greg and Lisa to sendlog list

\_\_\_\_end\_\_\_\_

Mon Feb 11 18:12:42 GMT 2013 MKIV End Patrol

Mon Feb 11 18:21:48 GMT 2013 MKIV Start Patrol

Mon Feb 11 18:30:41 GMT 2013 MKIV End Patrol

Mon Feb 11 18:44:05 GMT 2013 CHIP Start Patrol

Mon Feb 11 18:45:10 GMT 2013 CHIP End Patrol

Mon Feb 11 19:48:56 GMT 2013 MKIV Start Patrol

CHIP COMMENT BY GREG: Mon Feb 11 19:49:08 GMT 2013

Chip has overheated, Tek temp cooler is very hot but the temperature input is very low. I am troubleshooting to see what is wrong with it.

\_\_\_\_end\_\_\_\_

Mon Feb 11 20:24:13 GMT 2013 MKIV End Patrol

Mon Feb 11 20:35:29 GMT 2013 COMP End Patrol

Mon Feb 11 20:35:42 GMT 2013 COMP Start Patrol

Mon Feb 11 20:58:07 GMT 2013 MKIV Start Patrol

Mon Feb 11 21:04:38 GMT 2013 MKIV End Patrol

\*\*MKIV PROBLEM COMMENT BY BEN\*\* : Mon Feb 11 21:12:43 GMT 2013

Mk4 analog signal looks funny this morning. The pattern of humps occurs twice with the second read out shifted about 1/2 a waveform to the right.

I think this suggests the o-scope is seeing the sync signal at the wrong time. I also noticed that the X1 led on the transform board burned off

intermittently during this period. This LED indicates a HSYNCERR (when off) and in the past I have never seen it off.

Now the O-scope looks good and some coronal signal can be seen through thick haze. I am not sure what changed to get the coronal and sync signals

back to nonomial performance.

\_\_\_\_end\_\_\_\_

CHIP COMMENT BY GREG: Mon Feb 11 22:50:29 GMT 2013

The problem with the Tek Temp Cooler is the RTD malfunctioned low which turned on the heater until it overheated. The temp controler resolves proper temp when RTD is simulated with a resistor. Also the chiller function is not operating properly.

I belive the chilling function was not working before today.

\_\_\_\_end\_\_\_\_

Mon Feb 11 23:22:47 GMT 2013 MKIV Start Patrol

Mon Feb 11 23:29:19 GMT 2013 MKIV End Patrol

Mon Feb 11 23:34:29 GMT 2013 COMP End Patrol

Mon Feb 11 23:34:31 GMT 2013 COMP Start Patrol

MKIV COMMENT BY BEN: Tue Feb 12 00:03:01 GMT 2013

Barrel stopped moving at 242 when commanded to idle, console says Data Xfer failure done

\_\_\_\_end\_\_\_\_

Tue Feb 12 00:09:32 GMT 2013 MKIV Start Patrol

Tue Feb 12 00:15:37 GMT 2013 MKIV End Patrol

Tue Feb 12 00:16:32 GMT 2013 MKIV Start Patrol

MKIV COMMENT BY BEN: Tue Feb 12 00:17:54 GMT 2013

Happened a second time in the CCW direction slowing to a halt at 239

\_\_\_\_end\_\_\_\_

MKIV COMMENT BY BEN: Tue Feb 12 00:26:38 GMT 2013

Problem actually occurs in both directions, barrel will rotate less then 360 degrees and stop. The observation will finish, akamai console will display a t\_bdrive barrel glitch. Then when it is time to start the next observation we here a BEEP from nahenahe and the barrel continues to 180 in the directing it was going during the previous scan.

After this is begins its new scan in the proper direction where it again stops early

\_\_\_\_end\_\_\_\_

MKIV COMMENT BY BEN: Tue Feb 12 00:32:18 GMT 2013

Rebooted akamai to see if this fixes the barrel issues

\_\_\_\_end\_\_\_\_

Tue Feb 12 00:32:47 GMT 2013 MKIV Start Patrol

Tue Feb 12 00:39:03 GMT 2013 MKIV End Patrol

MKIV COMMENT BY BEN: Tue Feb 12 00:40:32 GMT 2013

Still see the problem in some sans

\_\_\_\_end\_\_\_\_

CHIP COMMENT BY GREG: Tue Feb 12 01:06:46 GMT 2013

Tek Temp Cooler was left on so it will pump but the RTD input was left open so it will not temperature control

\_\_\_\_end\_\_\_\_

Tue Feb 12 01:43:59 GMT 2013 COMP End Patrol

Tue Feb 12 01:46:25 GMT 2013: PSPT Abort Patrol

CHIP COMMENT BY BEN: Tue Feb 12 01:48:58 GMT 2013

Colant final temp 103F

\_\_\_\_end\_\_\_\_

Tue Feb 12 01:57:23 GMT 2013

MkIV

00\_09.rawmk4 17\_37.rawmk4 18\_00.rawmk4 19\_54.rawmk4 20\_18.rawmk4  
00\_12.rawmk4 17\_39.rawmk4 18\_03.rawmk4 19\_57.rawmk4 20\_20.rawmk4  
00\_16.rawmk4 17\_42.rawmk4 18\_06.rawmk4 20\_00.rawmk4 20\_58.rawmk4  
00\_19.rawmk4 17\_45.rawmk4 18\_09.rawmk4 20\_03.rawmk4 21\_01.rawmk4

00\_22.rawmk4 17\_48.rawmk4 18\_23.rawmk4 20\_06.rawmk4 23\_25.rawmk4  
00\_25.rawmk4 17\_51.rawmk4 18\_27.rawmk4 20\_09.rawmk4  
00\_32.rawmk4 17\_54.rawmk4 19\_48.rawmk4 20\_11.rawmk4  
00\_35.rawmk4 17\_57.rawmk4 19\_51.rawmk4 20\_14.rawmk4