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Mauna Loa Solar Observatory Observer's Log  
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Fri Jun 14 16:28:56 GMT 2013

Year: 13 Doy: 165

Observer: berkey

Fri Jun 14 16:32:25 GMT 2013 CHIP Start Patrol

Fri Jun 14 16:39:30 GMT 2013: PSPT Start Patrol

WEATHER COMMENT: Fri Jun 14 16:50:30 GMT 2013

wind 5-10mph from SE, temp 49f, cirrus cover the whole sky delaying startup for coronal instruments for a while  
\_\_\_\_end\_\_\_\_

Fri Jun 14 18:02:37 GMT 2013 CHIP LSD

Fri Jun 14 18:04:25 GMT 2013 CHIP End LSD

Fri Jun 14 18:04:31 GMT 2013 CHIP BiasLSD

Fri Jun 14 18:05:25 GMT 2013 CHIP End BiasLSD

Fri Jun 14 18:05:31 GMT 2013 CHIP Bias

Fri Jun 14 18:06:14 GMT 2013 CHIP End Bias

Fri Jun 14 18:06:19 GMT 2013 CHIP ReStart Patrol

Fri Jun 14 19:35:55 GMT 2013: PSPT Start Patrol

Fri Jun 14 19:39:22 GMT 2013 CHIP Start Patrol

Fri Jun 14 20:21:38 GMT 2013 CHIP End Patrol

Fri Jun 14 20:27:47 GMT 2013 CHIP Start Patrol

NOTE BY BEN: Fri Jun 14 22:37:57 GMT 2013

Active fog bank about 1/2 mile west of the observatory  
\_\_\_\_end\_\_\_\_

Fri Jun 14 22:44:48 GMT 2013: PSPT Abort Patrol

Fri Jun 14 22:45:33 GMT 2013 CHIP End Patrol

Fri Jun 14 22:44:56 GMT 2013: PSPT Abort Patrol

Fri Jun 14 22:45:01 GMT 2013: PSPT Abort Patrol

NOTE BY BEN: Fri Jun 14 22:45:14 GMT 2013

Fog moved closer, domes are closed  
\_\_\_\_end\_\_\_\_

Fri Jun 14 23:56:34 GMT 2013: PSPT Start Patrol

NOTE BY BEN: Sat Jun 15 00:00:05 GMT 2013

Fog has lifted  
\_\_\_\_end\_\_\_\_

Sat Jun 15 00:00:51 GMT 2013 CHIP Start Patrol

Sat Jun 15 00:31:37 GMT 2013 MKIV Start Patrol

Sat Jun 15 00:34:15 GMT 2013 COMP Start Patrol

Sat Jun 15 00:41:04 GMT 2013: PSPT Abort Patrol

Sat Jun 15 00:41:13 GMT 2013: PSPT Abort Patrol

Sat Jun 15 00:47:34 GMT 2013 CHIP End Patrol

Sat Jun 15 00:46:59 GMT 2013 COMP End Patrol

Sat Jun 15 00:48:43 GMT 2013 CHIP Start Patrol

Sat Jun 15 01:12:18 GMT 2013 COMP Start Patrol

Sat Jun 15 01:12:44 GMT 2013 MKIV Start Patrol

\*\*PSPT PROBLEM COMMENT BY BEN\*\*: Sat Jun 15 01:13:10 GMT 2013

Pspt RA guider got stuck. Looked like the clutch got too tight and the motor couldn't overcome it. I loosened the clutch r

reset the telescope back to its park location and I am now re-running the startup procedure.

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

Sat Jun 15 01:30:40 GMT 2013 MKIV End Patrol  
Sat Jun 15 01:30:47 GMT 2013 MKIV Start Cal  
Sat Jun 15 01:49:32 GMT 2013 MKIV End Cal  
Sat Jun 15 01:49:42 GMT 2013 MKIV Start Patrol  
Sat Jun 15 02:16:04 GMT 2013 CHIP End Patrol  
Sat Jun 15 02:15:25 GMT 2013 COMP End Patrol  
Sat Jun 15 02:19:26 GMT 2013 MKIV End Patrol

\*\*PSPT PROBLEM COMMENT BY BEN\*\* : Sat Jun 15 02:06:19 GMT 2013

Pspt RA drive train has something wrong. When slewing there is a lot of noise and it appears the system struggles to move the telescope. I suspected there was some sort slipping in the drive train, but it looks like gears are meshing well and not slipping. I now think that there may be something wrong with the stepper motor. I have checked the boxes we have up here and dont find a spare.

Pspt is currently off with RA gear covers open.

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

Sat Jun 15 02:41:52 GMT 2013  
MkIV

00_31.rawmk4	01_12.rawmk4	01_33.rawmk4	01_58.rawmk4	02_16.rawmk4
00_35.rawmk4	01_15.rawmk4	01_40.rawmk4	02_01.rawmk4	c01_30.rawmk4
00_38.rawmk4	01_18.rawmk4	01_46.rawmk4	02_04.rawmk4	c01_36.rawmk4
00_41.rawmk4	01_21.rawmk4	01_49.rawmk4	02_07.rawmk4	c01_43.rawmk4
00_44.rawmk4	01_24.rawmk4	01_52.rawmk4	02_10.rawmk4	
00_47.rawmk4	01_27.rawmk4	01_55.rawmk4	02_13.rawmk4	