

-----  
Mauna Loa Solar Observatory Observer's Log  
-----

Sun Jun 2 16:25:55 GMT 2013

Year: 13 Doy: 153

Observer: rose

WEATHER COMMENT: Sun Jun 2 16:26:22 GMT 2013

windy 30-35 S, 43F, cirrus clouds to the east.

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

Sun Jun 2 16:42:51 GMT 2013: PSPT Start Patrol

Sun Jun 2 16:48:00 GMT 2013 CHIP Start Patrol

Sun Jun 02 16:50:27 GMT 2013 COMP Start Patrol

Sun Jun 2 17:00:52 GMT 2013 MKIV Start Patrol

Sun Jun 2 17:08:24 GMT 2013 MKIV End Patrol

Sun Jun 02 17:16:45 GMT 2013 COMP End Patrol

WEATHER COMMENT: Sun Jun 2 17:17:42 GMT 2013

too windy to run, spar keeps getting lost, idling instruments

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

Sun Jun 2 18:00:40 GMT 2013 CHIP LSD

Sun Jun 2 18:02:37 GMT 2013 CHIP End LSD

Sun Jun 2 18:02:46 GMT 2013 CHIP BiasLSD

Sun Jun 2 18:03:34 GMT 2013 CHIP End BiasLSD

Sun Jun 2 18:03:42 GMT 2013 CHIP Bias

Sun Jun 2 18:04:39 GMT 2013 CHIP End Bias

Sun Jun 2 18:04:46 GMT 2013 CHIP ReStart Patrol

Sun Jun 2 18:09:15 GMT 2013 CHIP End Patrol

\*\*PSPT PROBLEM COMMENT BY GREG\*\*:  
Sun Jun 2 23:32:35 GMT 2013

pspt crashed and will not re start. It can not find the sun, the problem seems to be the stepper in the Y direction is grinding when the telescope is in the vertical position

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

\*\*PSPT PROBLEM COMMENT BY GREG\*\*:  
Mon Jun 3 01:24:28 GMT 2013

I pulled the cover off of the drive to diagnose. The stepper has a collar to a worm drive and worm drive spins a sprocket gear. The grinding noise was not the worm drive sprocket connection. The noise was only from the stepper missing steps probably not enough torque. I could not locate what or where it is held up on or binding. I ran out time because this happened at the end of the day.

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

Mon Jun 3 01:29:49 GMT 2013

MkIV

17\_00.rawmk4 17\_05.rawmk4