
Mauna Loa Solar Observatory Observer's Log

Mon May 4 16:43:38 GMT 2015

Year: 15 Doy: 124

Observer: berkey

WEATHER COMMENT: berkey: Mon May 4 16:43:40 GMT 2015

temp 47f, wind light, clear skies with strong inversion at about 8,000 ft.

____end____

Mon May 04 16:55:57 GMT 2015 COMP Start Patrol

Mon May 04 17:10:49 GMT 2015 KCOR Start Synoptic Patrol

GENERAL OBSERVATORY COMMENT BY berkey: Mon May 4 18:18:00 GMT 2015

Inspected the left/right dome rotation switch and found the right turning contacts to be well oxidized and pitted. This led to a bad electrical connection and no/difficult right and dome rotation. The contacts were pulled out and cleaned up; now the dome appears to be moving smoothly to the right when commanded.

____end____

Mon May 04 18:27:37 GMT 2015 KCOR End Patrol

Mon May 04 18:27:38 GMT 2015 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20150323.ini

Mon May 04 18:44:59 GMT 2015 KCOR End Calibration Script

Mon May 04 18:45:16 GMT 2015 KCOR Start Synoptic Patrol

Mon May 04 18:45:17 GMT 2015 KCOR Start Synoptic Patrol

PSPT PROBLEM COMMENT BY berkey : Mon May 4 18:45:32 GMT 2015

Pspt dos box crashed. In trying to recover I got PSPT into a weird mode where the telescope end up pointing to the North West hitting the platform safety wires. After this the control box was turned off and the clutches were slipped to put the telescope back in to the nominal start up position.

____end____

PSPT PROBLEM COMMENT BY berkey : Mon May 4 19:29:54 GMT 2015

I think the RA stepper motor or amplifier system may have gone bad. With the RA motor removed from the assembly; when trying to do moves under computer control the motor gave out a high pitch whine and did not move. Checking spares I cannot find a M2-2240-S in inventory.

____end____

Mon May 04 20:44:11 GMT 2015 COMP End Patrol

Mon May 04 20:55:27 GMT 2015 KCOR End Patrol

Mon May 04 21:01:40 GMT 2015 COMP Start Patrol

Mon May 04 21:03:54 GMT 2015 KCOR Start Synoptic Patrol

Mon May 04 21:58:37 GMT 2015 KCOR End Patrol

Mon May 04 21:58:47 GMT 2015 CoMP Paused for clouds

Mon May 04 22:15:44 GMT 2015 CoMP Restarted from pause

Mon May 04 22:15:44 GMT 2015 COMP End Patrol

GENERAL OBSERVATORY COMMENT BY berkey: Mon May 4 22:19:44 GMT 2015

Closing domes for fog.

____end____

Mon May 04 23:39:20 GMT 2015 COMP Start Patrol

Mon May 04 23:46:28 GMT 2015 KCOR Start Synoptic Patrol

Tue May 05 00:17:33 GMT 2015 KCOR End Patrol

Tue May 05 00:18:13 GMT 2015 CoMP Paused for clouds

Tue May 05 00:22:39 GMT 2015 KCOR Start Synoptic Patrol

Tue May 05 00:22:43 GMT 2015 CoMP Restarted from pause

PSPT PROBLEM COMMENT BY berkey : Tue May 5 02:16:39 GMT 2015

After some more trouble shooting it looks like the motor is working, but somehow not getting proper feedback. At this point after a "gdr home" the telescope takes off at full speed for a few 10s of degrees of motion then stops and the motor begins to make its high pitch whine. My guess is the issue is a poor connection where the cable enters the bottom (south end) of the PSPT telescope. These cables have a bit of strain on them and could be pulled to far.

____end____

GENERAL OBSERVATORY COMMENT BY berkey: Tue May 5 02:25:11 GMT 2015

New virus checker installed on the office computer.

____end____

Tue May 05 02:42:09 GMT 2015 KCOR End Patrol

Tue May 05 02:42:11 GMT 2015 COMP End Patrol