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Mauna Loa Solar Observatory Observer's Log  
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Mon Dec 22 17:15:51 GMT 2014

Year: 14 Doy: 356

Observer: waters

WEATHER COMMENT: waters: Mon Dec 22 17:15:54 GMT 2014

Clear skies, temp 33F with windspeed at about 12mph from the South.

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

Mon Dec 22 18:03:02 GMT 2014: PSPT Start Patrol

Mon Dec 22 18:04:35 GMT 2014 COMP Start Patrol

PSPT COMMENT BY waters: Mon Dec 22 17:58:33 GMT 2014

So, as I started up Pspt and the dome started to move, the handle on the shutter got caught on the ladder and commenced to drag the ladder with the dome until it got severely wedge adjust the platform and wall. I aborted Pspt, turned off the dome rotation and went about getting it unwedged. Had to disconnect the ladder handle in order to get the dome handle free. I was able to move the dome enough to get the ladder off the platform and wall. Unfortunately, there is now a hole in the wall all where the foot got stuck. But everything seems to be alright otherwise.

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

Mon Dec 22 18:10:43 GMT 2014 KCOR Start Synoptic Patrol

KCOR COMMENT BY waters: Mon Dec 22 18:08:03 GMT 2014

Ben looked into the problem that I was having with Kcor yesterday and while he was fiddling, he had to do a restart of the computer. Turns out this cleared up the errors that I got yesterday. Starting up today, everything looks good. Just started up a bit late due to the Pspt ladder fiasco. Sorry!

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

GENERAL OBSERVATORY COMMENT BY waters: Mon Dec 22 18:16:50 GMT 2014

Forgot to mention, the ladder is a bit out of shape but is still sits on the ground level and stable.

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

KCOR COMMENT BY mlso: Mon Dec 22 18:13:33 GMT 2014

Logged into kcor last night to troubleshoot camera/calpol rotator issue. Looks like to separate problems. For the calpol rotator problem, I updated the way the mc4u gui learns about the calpol position. It used to just read answer after a move commanded by the mc4u gui. The gui was always unaware of changes made by other programs including the calibration scripts. I changed the logic to poll the calpol position and update the position in the mc4u gui and fits header functional global variable.

For the camera problems, I think kcor was unable to fire the triggers because the kcor pc didn't properly sync/load/some other technical sounding phase, its connection with the digital IO board in the NI backplane extension. Rebooting the PC got it to reconnect properly. I am guessing there is a way to force this sync/reconnect to happen while the computer is running but with out understanding the underlying cause of the problem it seems like rebooting the PC after bringing up all the other electronics is the way to go..... I hate the answer reboot until happy but it seems like the only working answer we have (right now).

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

Mon Dec 22 18:52:57 GMT 2014 KCOR End Patrol

Mon Dec 22 18:53:44 GMT 2014 KCOR Start Synoptic Patrol

GENERAL OBSERVATORY COMMENT BY waters: Mon Dec 22 18:53:15 GMT 2014

There was another spike in SGS regarding the declination error again that caused the Kcor lens to close. The spar is clear on all sides. Maybe a chord is getting caught briefly somewhere.

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

Mon Dec 22 19:07:33 GMT 2014 KCOR End Patrol

Mon Dec 22 19:07:33 GMT 2014 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg.ini

Mon Dec 22 19:23:15 GMT 2014 KCOR End Calibration Script

Mon Dec 22 19:23:20 GMT 2014 KCOR Start Synoptic Patrol

Mon Dec 22 21:02:10 GMT 2014 KCOR End Patrol

Mon Dec 22 21:02:31 GMT 2014 COMP End Patrol

GENERAL OBSERVATORY COMMENT BY waters: Mon Dec 22 21:06:16 GMT 2014  
SGS and Comp adjusted.

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

Mon Dec 22 21:08:53 GMT 2014 KCOR Start Synoptic Patrol

Mon Dec 22 21:09:16 GMT 2014 COMP Start Patrol

Mon Dec 22 22:04:54 GMT 2014 KCOR End Patrol

Mon Dec 22 22:05:55 GMT 2014 COMP End Patrol

GENERAL OBSERVATORY COMMENT BY waters: Mon Dec 22 22:05:35 GMT 2014

Clouds are coming up from the East and West, Comp, kcor and Shabar idled.

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

Mon Dec 22 22:44:40 GMT 2014: PSPT Abort Patrol

GENERAL OBSERVATORY COMMENT BY waters: Mon Dec 22 22:45:27 GMT 2014

Fog has rolled in, instruments idled and domes closed.

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

GENERAL OBSERVATORY COMMENT BY waters: Mon Dec 22 23:38:40 GMT 2014

It's starting to clear to the West but it looks like there is another fog bank coming in from the East. waiting a bit to see how it goes.

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

Tue Dec 23 00:12:47 GMT 2014: PSPT Start Patrol

GENERAL OBSERVATORY COMMENT BY waters: Tue Dec 23 00:12:50 GMT 2014

There are still some wispy clouds about, so I'm restarting Pspt.

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

Tue Dec 23 00:47:03 GMT 2014: PSPT Abort Patrol

GENERAL OBSERVATORY COMMENT BY waters: Tue Dec 23 00:47:01 GMT 2014

Clouds coming in again, Pspt idled.

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

Tue Dec 23 01:11:29 GMT 2014: PSPT Start Patrol

GENERAL OBSERVATORY COMMENT BY waters: Tue Dec 23 02:05:19 GMT 2014

In fog again.

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

Tue Dec 23 02:06:11 GMT 2014: PSPT Abort Patrol

Tue Dec 23 02:06:15 GMT 2014: PSPT Abort Patrol