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Mauna Loa Solar Observatory Observer's Log  
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Mon Oct 22 17:17:54 GMT 2018

Year: 18 Doy: 295

Observer: berkey

WEATHER COMMENT: berkey: Mon Oct 22 17:20:34 GMT 2018

Temp: 41.5f, Humidity: 37%, Pressure: 28.803in, Wind: 4mph from 148degs, Skies: clear

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

GENERAL COMMENT BY berkey: Mon Oct 22 17:26:45 GMT 2018

PM Blew off Kcor Ol

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

GENERAL COMMENT BY berkey: Mon Oct 22 17:26:57 GMT 2018

Windows up stairs opened.

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

Mon Oct 22 17:28:16 GMT 2018 Kcor Focus/alignment program exited

Mon Oct 22 17:30:50 GMT 2018 KCOR Start Synoptic Patrol

Mon Oct 22 19:27:34 GMT 2018 KCOR End Patrol

GENERAL COMMENT BY berkey: Mon Oct 22 19:33:11 GMT 2018

Started with a bad polarizatiing in Kcor.

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

Mon Oct 22 19:33:20 GMT 2018 KCOR Start Synoptic Patrol

Mon Oct 22 19:47:29 GMT 2018 KCOR End Patrol

GENERAL COMMENT BY berkey: Mon Oct 22 19:58:41 GMT 2018

Skies look ok. But still cant get kcor happy. Trying to reboot everything.

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

GENERAL COMMENT BY berkey: Mon Oct 22 20:29:54 GMT 2018

Fore-optics/Ol Beam inspection seemed to show nothing out of the ordianry. This may just be a sky polarization issue. How ever I cannot see any obvious clouds or detect any polarization by eye with polarized glasses. The sky does look a little yellower than the blue we typically see up here. GOign to keep running with no chagnes for a bit.

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

Mon Oct 22 21:17:44 GMT 2018 SGS Alignment complete

GENERAL COMMENT BY berkey: Tue Oct 23 02:25:17 GMT 2018

PM Washed Kcor Field Lens.

First time trying with the lab grade acetone. Major takeaway is we shouldn't use acetone. The acetone didn't seem to rem ove any exsiting lens artifacts; but added a lot of residue. Barely able to remove this residue with isoporopal, soap and water.

I think at this point the lens is about as clean as it was this morning.

I also think the recently purchased lens paper ( found in the book) tends to be a little hard to use. I have been trying to not pre-tear out a bunch of issue to keep it clean in the book; but tearing as needed requries a few extra hands. At mu tiple points today tearing off paper broke the cleaning flow enough that I slipped with the water botton and scattered soa p/water to parts of the lens that had already been cleaned. These wipers seem to be leanding to extra touching. The cott on and lint free wiepers used in the past had a much better despenser.

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

KCOR COMMENT BY berkey: Tue Oct 23 02:26:55 GMT 2018

Kcor Winter occoulter 1018.9" installed after field lens cleaning.

c:\kcor\wdconfig.ini updated to reflect this change.

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

GENERAL COMMENT BY berkey: Tue Oct 23 02:29:08 GMT 2018

It may have briefly snowed a few hundred feet above the obs; while I was working on the field lens.

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

GENERAL COMMENT BY berkey: Tue Oct 23 03:08:26 GMT 2018

Tried to sneak in a kcor image quality test in a sunset sucker hole. Got 1 marginal ngrf image which still showed the strong polarization signal we saw this morning.

I ma still not sure if this is instrument; pipeline or sky related. I think I can still detect a sky polarization signal (with polarized sunglasses) in the apparently clear skies away from the sun. So I am hoping for sky signal.

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

ONSITE STAFF: berkey