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Mauna Loa Solar Observatory Observer's Log  
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Sat Jul 25 16:12:10 GMT 2020

Year: 20 Doy: 207

Observer: waters

WEATHER COMMENT: waters: Sat Jul 25 16:14:15 GMT 2020

Temp: 45.1f with windspeed at about 16-21mph from the South-Southeast. Bit of cirrus on the Eastern horizon and a few tufts here and there but otherwise the sky looks clear.

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

GENERAL COMMENT BY mcotter: Sat Jul 25 16:48:58 GMT 2020

Opened windows upstairs

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

GENERAL COMMENT BY mcotter: Sat Jul 25 16:52:17 GMT 2020

PM Blew off Kcor O1

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

GENERAL COMMENT BY waters: Sat Jul 25 17:00:08 GMT 2020

Kcor above dome but in a little bit of cirrus, holding off a bit.

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

Sat Jul 25 18:03:49 GMT 2020 Kcor Focus/alignment program exited

Sat Jul 25 18:06:05 GMT 2020 KCOR Start Synoptic Patrol

GENERAL COMMENT BY waters: Sat Jul 25 18:10:48 GMT 2020

Going to take a look at the field lens as it looks like we have come some goobers on it. Can be seen in the Southeast.

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

Sat Jul 25 18:12:13 GMT 2020 KCOR End Patrol

Sat Jul 25 18:12:21 GMT 2020 KCOR End Patrol

Sat Jul 25 18:14:29 GMT 2020 KCOR Start Synoptic Patrol

GENERAL COMMENT BY waters: Sat Jul 25 18:18:21 GMT 2020

PM Blew off Kcor Field Lens seems to have worked on the goobers in the Southeast

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

GENERAL COMMENT BY waters: Sat Jul 25 18:20:23 GMT 2020

Images from the new Kcor and GONG quick look don't look normal; the GONG quick look is red and the Kcor quick look looks like the colors are flipped. NRGF looks normal

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

GENERAL COMMENT BY waters: Sat Jul 25 18:41:31 GMT 2020

Ben applied filters to both quick looks, that's why they don't look normal to me. Contrast was put high on the Kcor quick look to see clouds/cirrus and mechanisms in the beam better. Sorry for not understanding Ben. And thank you for your patience with me.

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

Sat Jul 25 19:26:47 GMT 2020 KCOR End Patrol

Sat Jul 25 19:26:48 GMT 2020 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Sat Jul 25 19:42:02 GMT 2020 KCOR End Calibration Script

Sat Jul 25 19:42:18 GMT 2020 KCOR Start Synoptic Patrol

Sat Jul 25 19:42:18 GMT 2020 KCOR Start Synoptic Patrol

GENERAL COMMENT BY waters: Sat Jul 25 22:48:49 GMT 2020

Marc greased the dome rotating track by applying lithium grease as the dome rotated a full 360.

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

Sat Jul 25 23:30:44 GMT 2020 KCOR End Patrol

Sat Jul 25 23:30:57 GMT 2020 KCOR End Patrol  
GENERAL COMMENT BY waters: Sat Jul 25 23:31:13 GMT 2020  
Clouds coming in from the East, Kcor stopped.

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

GENERAL COMMENT BY waters: Sat Jul 25 23:37:22 GMT 2020  
Fog coming in from the West, closing the dome

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

Sun Jul 26 00:05:53 GMT 2020 Kcor Focus/alignment program exited

GENERAL COMMENT BY waters: Sun Jul 26 00:10:02 GMT 2020

Kcor crashed when restarted. Closing all of labview and starting it back up again seems to have fixed it.

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

GENERAL COMMENT BY waters: Sun Jul 26 00:10:27 GMT 2020

Kcor started in a bad polarization state.

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

Sun Jul 26 00:10:39 GMT 2020 KCOR Start Synoptic Patrol

Sun Jul 26 01:21:29 GMT 2020 KCOR End Patrol

GENERAL COMMENT BY waters: Sun Jul 26 01:27:24 GMT 2020

Besides a bit of cirrus at start up and some drifting clouds, a good day for data. Aerosols picked up a bit about mid morning but then settled again in the afternoon.

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

ONSITE STAFF: mcotter, waters