
Mauna Loa Solar Observatory Observer's Log

Tue Mar 8 17:17:00 GMT 2022

Year: 22 Doy: 067

Observer: mcotter

WEATHER COMMENT: mcotter: Tue Mar 08 17:20:17 GMT 2022

Temp: 40.2f, Humidity: 9%, Pressure: 28.723in, Wind: 10mph from 209deg, Skies: High altitude Cirrus clouds scattered across the horizon in all directions. Very hazy skies can be observed at lower elevations. Cloudy and overcast in the Saddle Valley up to approximately 8500' elevation.

____end____

GENERAL COMMENT BY mcotter: Tue Mar 08 17:27:12 GMT 2022

Opened windows upstairs

____end____

GENERAL COMMENT BY mcotter: Tue Mar 08 17:27:17 GMT 2022

PM Blew off UCOMP 01

____end____

GENERAL COMMENT BY mcotter: Tue Mar 08 17:27:22 GMT 2022

PM Blew off Kcor 01

____end____

Tue Mar 08 17:33:11 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

UCOMP COMMENT BY mcotter: Tue Mar 08 17:35:04 GMT 2022

Ucomp instrument now running.

____end____

Tue Mar 08 17:36:19 GMT 2022 Kcor Focus/alignment program exited

KCOR COMMENT BY mcotter: Tue Mar 08 17:38:26 GMT 2022

Kcor instrument now running, though the sky is a little bright.

Polarization checked good: Mid, Bright, Dark, Mid.

____end____

Tue Mar 08 17:48:44 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Tue Mar 08 18:16:51 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Tue Mar 08 18:23:29 GMT 2022 Kcor Focus/alignment program exited

KCOR COMMENT BY mcotter: Tue Mar 08 18:41:01 GMT 2022

The Kcor Diff image looked different from what I have previously observed. The image has several very pronounced "Halo" effects that extends approximately .75 radius from the occulter and wraps approximately 2/3's around the image (mostly to the east). While I have observed a slight halo effect previously, I have never noted one this pronounced. The Kcor Synoptic and NRGF images appear to be normal. I thought perhaps it had to do with the focus, so I shut down the Kcor Synoptic program and the Socketcam program and re-ran the Kcor Focus routine. I had to run the auto-focus several times before I obtained a well shaped parabola. I have restarted the Kcor Synoptic program and am waiting for more current images to come up to see if this helped resolve the issue with the NRGF image.

____end____

Tue Mar 08 18:44:30 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

KCOR COMMENT BY mcotter: Tue Mar 08 19:10:10 GMT 2022

It looks like re-running the Kcor Focus routine helped the Kcor Diff image by reducing the intensity of the halo, but there is still some of the "Halo Affect" which is still present.

____end____

Tue Mar 08 19:12:28 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Tue Mar 08 19:27:44 GMT 2022 Running UCOMP Cookbook waves_1074_1hour.cbk line 0

Tue Mar 08 19:59:27 GMT 2022 UCOMP Paused for clouds

WEATHER COMMENT: mcotter: Tue Mar 08 20:01:45 GMT 2022

Bands of high altitude Cirrus clouds are beginning to make their way into the viewing area blowing in from the west.

____end____

GENERAL COMMENT BY mcotter: Tue Mar 08 20:02:25 GMT 2022

Kcor and Ucomp have been paused due to Cirrus clouds in the viewing area.

____end____

WEATHER COMMENT: mcotter: Tue Mar 08 20:31:12 GMT 2022

Bands of high altitude Cirrus clouds are now spread across most of the sky, though there is seemingly blue sky between the bands of Cirrus clouds. I restarted Kcor and tried running the instrument while in the blue area but the sky is much much too bright in th

ese areas to operate the instruments at this time.

____end____

Tue Mar 08 22:00:29 GMT 2022 UCoMP Restarted from pause

WEATHER COMMENT: mcotter: Tue Mar 08 22:39:11 GMT 2022

The sky is now completely overcast.

____end____

GENERAL COMMENT BY mcotter: Tue Mar 08 22:39:49 GMT 2022

The dome shutter doors and windows have been closed in the event of precipitation.

____end____

GENERAL COMMENT BY mcotter: Tue Mar 08 22:40:22 GMT 2022

Both Kcor and Ucomp have been stopped due to sky conditions and the dome is closed.

____end____

WEATHER COMMENT: mcotter: Tue Mar 08 23:28:09 GMT 2022

Fog and mist currently making it's way through the science area.

____end____

GENERAL COMMENT BY mcotter: Wed Mar 09 01:33:00 GMT 2022

Emptied all trash containers at observatory.

Removed from the observatory the boxes and excess packing materials and bagged it up for disposal.

Changed tact mats in the dome vestibule and clean room.

____end____

UCoMP COMMENT BY mcotter: Wed Mar 09 01:34:18 GMT 2022

Fabricated and mounted the Teflon pads on the new Ucomp 01 mount.

____end____

GENERAL COMMENT BY mcotter: Wed Mar 09 01:35:58 GMT 2022

The day started out with scattered high altitude Cirrus covering the horizons of the sky. By mid morning the Cirrus moved into the viewing area. By late morning early afternoon the sky was totally overcast with fog, mist and drizzle at times.

____end____

ONSITE STAFF: