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Mauna Loa Solar Observatory Observer's Log  
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Sat Apr 2 16:59:36 GMT 2022

Year: 22 Doy: 092

Observer: mlso

WEATHER COMMENT: mcotter: Sat Apr 02 16:59:57 GMT 2022

Temp: 39.1f, Humidity: 24%, Pressure: 28.766in, Wind: 14mph from 130degs, Skies: Clear but somewhat hazy skies. Heavy gray inversion layer visible below Haleakala. Strong winds blowing from the south-southeast. Cold.

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

GENERAL COMMENT BY mcotter: Sat Apr 02 17:07:10 GMT 2022

PM Blew off Kcor 01

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

GENERAL COMMENT BY mcotter: Sat Apr 02 17:07:18 GMT 2022

PM Blew off UCOMP 01

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

GENERAL COMMENT BY mcotter: Sat Apr 02 17:09:09 GMT 2022

I left the windows and the upper shutter door closed because the winds are a bit high at this time.

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

Sat Apr 02 17:11:03 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal\_flat.cbk line 0

Sat Apr 02 17:16:31 GMT 2022 Kcor Focus/alignment program exited

GENERAL COMMENT BY mcotter: Sat Apr 02 17:20:03 GMT 2022

Kcor is now running, though the sky is a bit bright.

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

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

UCOMP COMMENT BY mcotter: Sat Apr 02 17:20:38 GMT 2022

Ucomp is now running.

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

GENERAL COMMENT BY mcotter: Sat Apr 02 18:01:48 GMT 2022

The upper shutter door is now open fully.

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

GENERAL COMMENT BY mcotter: Sat Apr 02 18:38:41 GMT 2022

PM Blew off Kcor Field Lens.

There appears a light spot PA 225 deg and approx halfway between occulter edge and edge of Kcor NRGF image.

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

KCOR COMMENT BY mcotter: Sat Apr 02 19:01:08 GMT 2022

The light spot which appeared earlier at PA 225 deg has been apparently removed from the image by blowing off the field lens but now I see another spot at PA 160 deg about an inch from the edge of the image.

Blowing off the field lens again to see if this time it gets removed.

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

GENERAL COMMENT BY mcotter: Sat Apr 02 19:37:23 GMT 2022

PM Blew off Kcor Field Lens.

The second time Kcor the Field Lens was blown off has removed the spot that was located at PA 160 deg and now all artifacts that were seemingly present on the Field Lens have now been removed.

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

Sat Apr 02 21:26:58 GMT 2022 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Sat Apr 02 21:42:09 GMT 2022 KCOR End Calibration Script

WEATHER COMMENT: mcotter: Sun Apr 03 00:28:34 GMT 2022

Orthographic clouds are beginning to enter the viewing area from the north-northwest. Aerosols have increased within the last hour.

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

KCOR COMMENT BY mcotter: Sun Apr 03 00:29:55 GMT 2022

The Kcor NRGF image has gotten a bit grainy due to elevated aerosols in the afternoon sky.

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

\*\*UCOMP PROBLEM COMMENT BY mcotter\*\* : Sun Apr 03 00:48:06 GMT 2022

Ucomp instrument controller program crashed from earlier today. It had appeared to be running normally when I noticed it was hung up. The program was unresponsive so I exited the program and tried to restart it. I have restarted the Ucomp controller program but it is hanging up again. The Filter wheel LED is not illuminated so I am going to check

the cable connections as I did last week.

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

WEATHER COMMENT: mcotter: Sun Apr 03 00:48:46 GMT 2022

Clouds have entered the viewing area.

Kcor has been stopped.

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

Sun Apr 03 00:57:03 GMT 2022 Running UCOMP Cookbook poor-weather-coronal-with-flats.cbk  
line 0

Sun Apr 03 00:57:15 GMT 2022 UCOMP Paused for clouds

Sun Apr 03 00:58:42 GMT 2022 UCOMP Restarted from pause

GENERAL COMMENT BY mcotter: Sun Apr 03 01:01:40 GMT 2022

The sky has cleared a bit so I have Kcor and Ucomp back on sky.

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

Sun Apr 03 01:08:33 GMT 2022 UCOMP Paused for clouds

\*\*UCOMP PROBLEM COMMENT BY mcotter\*\* : Sun Apr 03 01:09:10 GMT 2022

The Ucomp controller program froze up and was unresponsive. When I finally got the program running the Filterwheel LED would not illuminate and the program was hung up again (it would not go into the daily menu GUI when selected). I went to the dome and checked the cables to the back of the instrument and they were all seemingly connected. I pulled the Filterwheel cable from the bulkhead connector located at the bottom of the instrument and reinserted the connector and the Filterwheel LED came on that is located in the Ucomp controller GUI. After doing Filterwheel cable connector reset the Ucomp controller program seems to be operating normally.

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

GENERAL COMMENT BY mcotter: Sun Apr 03 01:10:21 GMT 2022

The internet GUI's and associated webcams have all crashed. I will begin troubleshooting to see if I can get them back up.

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

WEATHER COMMENT: mcotter: Sun Apr 03 01:11:12 GMT 2022

Clouds are again in the viewing area.

Kcor and Ucomp have both been paused due to sky conditions.

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

GENERAL COMMENT BY mcotter: Sun Apr 03 01:30:12 GMT 2022

I was able to get some of the internet sites and webcams back up, including weather, the northcam images and Yawcam #1 that is mounted on the spar.

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

WEATHER COMMENT: mcotter: Sun Apr 03 01:52:17 GMT 2022

Auto weather updates are currently unavailable.

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

GENERAL COMMENT BY mcotter: Sun Apr 03 01:53:50 GMT 2022

Aerosols have increased dramatically and clouds are covering much of the viewing area. The wind is currently blowing from the west and is getting stronger.

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

GENERAL COMMENT BY mcotter: Sun Apr 03 01:57:14 GMT 2022

I tried running the Kcor instrument when there was a small break in the clouds but the sky is much too bright with aerosols.

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

Sun Apr 03 02:19:30 GMT 2022 UCOMP Restarted from pause

GENERAL COMMENT BY mcotter: Sun Apr 03 02:28:44 GMT 2022

The day started out with high aerosols and windy conditions. The aerosols and winds came down a bit later in the morning. By early afternoon both began to pick up again until finally the aerosols became too high and Orthographic clouds encroached in on the viewing area.

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

ONSITE STAFF: mcotter