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Mauna Loa Solar Observatory Observer's Log  
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Mon Feb 28 17:23:36 GMT 2022

Year: 22 Doy: 059

Observer: mlso

WEATHER COMMENT: mcotter: Mon Feb 28 17:36:19 GMT 2022

Temp: 44.1f, Humidity: 12%, Pressure: 28.719in, Wind: 7mph from 185deg, Skies: Clear but slightly hazy skies in all directions. A light inversion layer is visible on the horizon just above Haleakala. Light wind out of the south.

Another beautiful day in the neighborhood!

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

GENERAL COMMENT BY mcotter: Mon Feb 28 17:36:25 GMT 2022

Opened windows upstairs

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

GENERAL COMMENT BY mcotter: Mon Feb 28 17:36:33 GMT 2022

PM Blew off Kcor O1

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

GENERAL COMMENT BY mcotter: Mon Feb 28 17:36:39 GMT 2022

PM Blew off UCOMP O1

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

GENERAL COMMENT BY mcotter: Mon Feb 28 17:36:52 GMT 2022

PM Blew off Kcor Field Lens

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

Mon Feb 28 17:41:37 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal\_flat.cbk line 0

Mon Feb 28 17:43:36 GMT 2022 Kcor Focus/alignment program exited

UCOMP COMMENT BY mcotter: Mon Feb 28 17:46:24 GMT 2022

Ucomp instrument up and running.

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

KCOR COMMENT BY mcotter: Mon Feb 28 17:47:14 GMT 2022

Kcor instrument up and running.

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

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

Mon Feb 28 17:57:13 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Mon Feb 28 18:25:14 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Mon Feb 28 18:53:23 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 15

Mon Feb 28 18:58:39 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Mon Feb 28 19:26:17 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal\_flat.cbk line 0

Mon Feb 28 19:41:35 GMT 2022 Running UCOMP Cookbook waves\_1074\_1hour.cbk line 0

Mon Feb 28 20:51:09 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Mon Feb 28 21:11:17 GMT 2022 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Mon Feb 28 21:20:09 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 18

Mon Feb 28 21:20:10 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal\_flat.cbk line 0

Mon Feb 28 21:26:34 GMT 2022 KCOR End Calibration Script

Mon Feb 28 21:35:28 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Mon Feb 28 22:03:37 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Mon Feb 28 22:31:18 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Mon Feb 28 22:58:57 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal\_flat.cbk line 0

Mon Feb 28 23:14:15 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Mon Feb 28 23:45:10 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 17

Mon Feb 28 23:47:43 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

WEATHER COMMENT: mcotter: Tue Mar 01 00:13:14 GMT 2022

Some clouds are beginning to encroach on the area of the observatory from the northeast, which is the approximate direction the wind is blowing from. A few additional clouds can be observed over the summit of Maunaloa to the south, but so far they are staying away. Additionally, aerosols have increased dramatically over the last hour or so and are becoming quite noticeable in the images.

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

KCOR COMMENT BY mcotter: Tue Mar 01 00:14:34 GMT 2022

The Kcor Synoptic images are beginning to brighten due to the increase in aerosol activity.

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

Tue Mar 01 00:15:31 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0  
KCOR COMMENT BY mcotter: Tue Mar 01 00:18:43 GMT 2022

I have been watching the occulter position closely today and have observed many times where the coronal ring around the occulter is noticeably brighter on one side than the other. At approximately 2:00pm HST I changed the threshold level to 20000 from 15000 to see if it would help with this disparity. I will continue to monitor and see if I can identify any change and/or improvement in the occulter positioning.

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

WEATHER COMMENT: mcotter: Tue Mar 01 00:22:43 GMT 2022

Clouds are continuing to increase from the northeast with additional clouds now forming and dissipating within the immediate area of observatory and viewing area as well.

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

Tue Mar 01 00:32:35 GMT 2022 UCOMP Paused for clouds

WEATHER COMMENT: mcotter: Tue Mar 01 00:34:35 GMT 2022

Clouds are beginning to encroach into the viewing area of the viewing area.

The instruments are now paused due to sky conditions.

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

WEATHER COMMENT: mcotter: Tue Mar 01 00:43:10 GMT 2022

Sky conditions have continued to worsen.

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

GENERAL COMMENT BY mcotter: Tue Mar 01 00:43:42 GMT 2022

The dome shutter doors and windows are now closed due to sky conditions.

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

GENERAL COMMENT BY mcotter: Tue Mar 01 03:21:13 GMT 2022

Beautiful day! Started off with the sky clear in all directions then in the early afternoon aerosols began to increase greatly. By mid afternoon clouds moved in from the north, quickly followed by clouds forming above the observatory and then moving in from all directions.

Good Day!

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

ONSITE STAFF: mcotter