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Mauna Loa Solar Observatory Observer's Log  
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Tue Jul 5 16:50:18 GMT 2022

Year: 22 Doy: 186

Observer: mcotter

WEATHER COMMENT: mcotter: Tue Jul 05 16:52:04 GMT 2022

Temp: 48.3f, Humidity: 6%, Pressure: 28.709in, Wind: 4mph from 138degs, Skies: Clear but hazy skies. High altitude Cirrus clouds are scattered in patches across all areas of the sky. The inversion layer is a dark blue gray and is well below the summit of Haleakala. Light wind from the south-southeast.

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

GENERAL COMMENT BY mcotter: Tue Jul 05 16:52:11 GMT 2022

Opened windows upstairs

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

GENERAL COMMENT BY mcotter: Tue Jul 05 16:52:17 GMT 2022

PM Blew off UCOMP 01

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

GENERAL COMMENT BY mcotter: Tue Jul 05 16:52:22 GMT 2022

PM Blew off Kcor 01

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

GENERAL COMMENT BY mcotter: Tue Jul 05 16:53:30 GMT 2022

Clouds are currently in the viewing area. Cannot begin observing at this time.

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

Tue Jul 05 17:45:11 GMT 2022 Kcor Focus/alignment program exited

KCOR COMMENT BY mcotter: Tue Jul 05 17:48:01 GMT 2022

The sky remains very bright, but after many operations of the Focus Routine an acceptable parabola was obtained and the Kcor instrument is now observing.

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

Tue Jul 05 17:48:31 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal\_flat.cbk line 0

UCOMP COMMENT BY mcotter: Tue Jul 05 17:48:45 GMT 2022

The Ucomp instrument is now observing.

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

Tue Jul 05 17:50:53 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal\_flat.cbk line 2

WEATHER COMMENT: mcotter: Tue Jul 05 17:51:50 GMT 2022

The sky remains quite bright and aerosols are heavy.

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

Tue Jul 05 18:05:01 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

WEATHER COMMENT: mcotter: Tue Jul 05 18:13:22 GMT 2022

Aerosols continue to be heavy and are readily observed in the Kcor NRGF and Quicklook images.

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

Tue Jul 05 18:30:22 GMT 2022 UCOMP Paused for clouds

Tue Jul 05 18:31:01 GMT 2022 UCOMP Restarted from pause

Tue Jul 05 18:33:20 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

WEATHER COMMENT: mcotter: Tue Jul 05 18:33:48 GMT 2022

Bands of high altitude Cirrus clouds are beginning to cross the viewing path. The Kcor image momentarily became very bright but quickly returned to normal.

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

Tue Jul 05 18:45:23 GMT 2022 UCOMP Paused for clouds

KCOR COMMENT BY mcotter: Tue Jul 05 19:01:55 GMT 2022

Kcor had been paused do to bands of Cirrus clouds passing through the viewing area. After waiting several minutes the sky appeared to clear, but when I restarted Kcor the level 0 Synoptic images appeared too bright, with the brightening illumination emanating from the center (near the occulter) outward.

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

KCOR COMMENT BY mcotter: Tue Jul 05 19:11:38 GMT 2022

An attempt was made to restart the Kcor instrument but the sky remains entirely too bright to observe at this time.

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

WEATHER COMMENT: mcotter: Tue Jul 05 19:31:59 GMT 2022

Sky conditions continue to be much too bright to observe at this time.

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

Tue Jul 05 20:02:56 GMT 2022 UCOMP Restarted from pause

WEATHER COMMENT: mcotter: Tue Jul 05 20:04:07 GMT 2022

The bands of high altitude Cirrus clouds that were disrupting our observations have dissipated.

The instruments are again observing.

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

KCOR COMMENT BY mcotter: Tue Jul 05 20:04:34 GMT 2022

The kcor instrument is again on sky and observing.

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

UCoMP COMMENT BY mcotter: Tue Jul 05 20:05:08 GMT 2022

The Ucomp instrument is again on sky and observing.

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

Tue Jul 05 20:16:35 GMT 2022 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Tue Jul 05 20:22:30 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 18

Tue Jul 05 20:22:31 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Tue Jul 05 20:31:49 GMT 2022 KCOR End Calibration Script

Tue Jul 05 20:50:08 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal\_flat.cbk line 0

Tue Jul 05 21:05:19 GMT 2022 Running UCOMP Cookbook waves\_1074\_1hour.cbk line 0

WEATHER COMMENT: mcotter: Tue Jul 05 21:25:14 GMT 2022

The sky is beginning to get brighter, but so far the images still look acceptable.

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

WEATHER COMMENT: mcotter: Tue Jul 05 21:58:40 GMT 2022

The sky continues to brighten, as observed in the Kcor level 0 images and the aerosols are increasing dramatically, as observed in the Kcor NRGF and Quicklook images.

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

Tue Jul 05 22:15:08 GMT 2022 Running UCOMP Cookbook dark\_80ms\_2beam\_16sums\_BOTH.cbk line 0

Tue Jul 05 22:16:25 GMT 2022 Running UCOMP Cookbook 637\_Pol\_Calibrate.cbk line 0

Tue Jul 05 22:20:28 GMT 2022 Running UCOMP Cookbook 706\_Pol\_Calibrate.cbk line 0

Tue Jul 05 22:24:32 GMT 2022 Running UCOMP Cookbook 789\_Pol\_Calibrate.cbk line 0

Tue Jul 05 22:28:36 GMT 2022 Running UCOMP Cookbook 1074\_Pol\_Calibrate.cbk line 0

Tue Jul 05 22:32:49 GMT 2022 Running UCOMP Cookbook 1079\_Pol\_Calibrate.cbk line 0

Tue Jul 05 22:36:52 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Tue Jul 05 22:44:37 GMT 2022 UCoMP Paused for clouds

GENERAL COMMENT BY mcotter: Tue Jul 05 22:46:44 GMT 2022

The instruments are again paused due to increasing brightness of the sky.

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

Tue Jul 05 23:27:16 GMT 2022 UCoMP Restarted from pause

GENERAL COMMENT BY mcotter: Tue Jul 05 23:35:04 GMT 2022

The day started with bright skies but observations were able to be performed until mid morning when high altitude Cirrus began to pass through the viewing area. By late morning, early afternoon the sky became saturated with aerosols and became too bright to observe.

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

ONSITE STAFF: