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Mauna Loa Solar Observatory Observer's Log  
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Mon Jul 25 16:48:57 GMT 2022

Year: 22 Doy: 206

Observer: berkey

WEATHER COMMENT: mcotter: Mon Jul 25 16:48:41 GMT 2022

Temp: 40.5f, Humidity: 21%, Pressure: 28.836in, Wind: 6mph from 185degs, Skies: clear  
\_\_end\_\_

GENERAL COMMENT BY mcotter: Mon Jul 25 16:48:49 GMT 2022

Opened windows upstairs

\_\_end\_\_

GENERAL COMMENT BY mcotter: Mon Jul 25 16:49:51 GMT 2022

PM Blew off UCoMP O1

\_\_end\_\_

GENERAL COMMENT BY mcotter: Mon Jul 25 16:50:09 GMT 2022

PM Blew off Kcor O1

\_\_end\_\_

Mon Jul 25 17:02:23 GMT 2022 Kcor Focus/alignment program exited

Mon Jul 25 17:02:33 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal\_flat.cbk line 0

Mon Jul 25 17:21:02 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Mon Jul 25 17:42:59 GMT 2022 UCoMP Paused for clouds

Mon Jul 25 17:49:48 GMT 2022 UCoMP Restarted from pause

GENERAL COMMENT BY mcotter: Mon Jul 25 17:51:57 GMT 2022

A new "Bullet hole" has been observed at approximately the PA 90 deg. position.

PM Blew off Kcor O1 in order to remedy new Bullet hole.

\_\_end\_\_

GENERAL COMMENT BY mcotter: Mon Jul 25 17:52:16 GMT 2022

PM Blew off Kcor Field Lens.

\_\_end\_\_

GENERAL COMMENT BY mcotter: Mon Jul 25 17:52:24 GMT 2022

PM Blew off UCoMP O1

\_\_end\_\_

Mon Jul 25 18:02:17 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Mon Jul 25 18:31:13 GMT 2022 UCoMP Paused for clouds

Mon Jul 25 18:35:20 GMT 2022 UCoMP Restarted from pause

GENERAL COMMENT BY mcotter: Mon Jul 25 18:37:57 GMT 2022

A couple of particles were observed in the Kcor NRGF image at approximately PA 145 deg and 200 deg.

PM Blew off Kcor Field Lens again to see if they could be removed.

\_\_end\_\_

Mon Jul 25 18:40:20 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Mon Jul 25 19:14:21 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal\_flat.cbk line 0

KCOR COMMENT BY mcotter: Mon Jul 25 19:18:11 GMT 2022

Particles observed in the images are now gone.

\_\_end\_\_

Mon Jul 25 19:32:52 GMT 2022 Running UCOMP Cookbook waves\_1074\_1hour.cbk line 0

Mon Jul 25 20:31:55 GMT 2022 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Mon Jul 25 20:40:28 GMT 2022 Running UCOMP Cookbook waves\_1074\_1hour.cbk line 121

Mon Jul 25 20:44:15 GMT 2022 Running UCOMP Cookbook dark\_80ms\_2beam\_16sums\_BOTH.cbk line 0

Mon Jul 25 20:45:33 GMT 2022 Running UCOMP Cookbook 637\_Pol\_Calibrate.cbk line 0

Mon Jul 25 20:47:10 GMT 2022 KCOR End Calibration Script

WEATHER COMMENT: mcotter: Mon Jul 25 20:48:03 GMT 2022

Kcor images continue to look good but aerosols have increased quite a bit as they can be readily observed in the Kcor Quicklook images.

\_\_end\_\_

Mon Jul 25 20:49:37 GMT 2022 Running UCOMP Cookbook 706\_Pol\_Calibrate.cbk line 0

Mon Jul 25 20:53:41 GMT 2022 Running UCOMP Cookbook 789\_Pol\_Calibrate.cbk line 0

Mon Jul 25 20:57:46 GMT 2022 Running UCOMP Cookbook 1074\_Pol\_Calibrate.cbk line 0

Mon Jul 25 21:01:51 GMT 2022 Running UCOMP Cookbook 1079\_Pol\_Calibrate.cbk line 0

Mon Jul 25 21:06:04 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Mon Jul 25 21:40:22 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal\_flat.cbk line 0

Mon Jul 25 21:59:00 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0  
Mon Jul 25 22:33:08 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

GENERAL COMMENT BY mcotter: Mon Jul 25 23:03:25 GMT 2022

dome was partly occulting ucomp for a little bit. Not sure how long.

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

Mon Jul 25 23:08:56 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 20

Mon Jul 25 23:11:28 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Mon Jul 25 23:45:26 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal\_flat.cbk line 0

\*\*\*\*Possible CME in Progress reported by mcotter\*\*\*\* : Mon Jul 25 23:59:23 GMT 2022

TIME: 23:20:07 UT

PA: Approximately 80 deg

WIDTH: Approximately 20 deg

Observers report with Medium confidence a CME at the time, position angle, and width noted.

This CME was identified using both the Kcor Diff and Kcor NRGF images together. The NRGF image is very subtle and close, repeated observations were required to identify in this image.

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

Tue Jul 26 00:03:55 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Tue Jul 26 00:36:49 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 20

Tue Jul 26 00:40:28 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 21

Tue Jul 26 00:40:29 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Tue Jul 26 01:14:27 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Tue Jul 26 01:48:25 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal\_flat.cbk line 0

Tue Jul 26 02:06:54 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Tue Jul 26 02:41:02 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Tue Jul 26 03:14:50 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

GENERAL COMMENT BY mcotter: Tue Jul 26 03:42:26 GMT 2022

Beautiful Day of observing!!

Clear all day, though aerosols started getting heavy in the late morning and continued throughout the remainder of the day. The images got a bit grainy in the afternoon due to the aerosols but overall not too bad.

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

ONSITE STAFF: berkey, mcotter