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Mauna Loa Solar Observatory Observer's Log  
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Mon Jun 20 16:45:38 GMT 2022

Year: 22 Doy: 171

Observer: mcotter

Mon Jun 20 16:47:00 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal\_flat.cbk line 0

WEATHER COMMENT: mcotter: Mon Jun 20 16:49:32 GMT 2022

Temp: 48.2f, Humidity: 3%, Pressure: 28.705in, Wind: 7mph from 122degs, Skies: Clear but hazy skies. Bluish gray inversion layer visible on the horizon approximately the elevation of Haleakala, or just above. Cold steady wind from the southeast.

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

GENERAL COMMENT BY mcotter: Mon Jun 20 16:49:41 GMT 2022

Opened windows upstairs

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

GENERAL COMMENT BY mcotter: Mon Jun 20 16:49:49 GMT 2022

PM Blew off UCOMP 01

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

GENERAL COMMENT BY mcotter: Mon Jun 20 16:49:57 GMT 2022

PM Blew off Kcor 01

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

UCOMP COMMENT BY mcotter: Mon Jun 20 16:53:59 GMT 2022

The Ucomp instrument is now running, though the sky is a bit bright.

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

KCOR COMMENT BY mcotter: Mon Jun 20 16:54:44 GMT 2022

The Kcor instrument is now observing, though the sky is a bit bright.

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

Mon Jun 20 17:02:30 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

WEATHER COMMENT: mcotter: Mon Jun 20 17:24:25 GMT 2022

Aerosols are high at this time and are easily observed in the Kcor NRGF and Kcor Quicklook images.

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

Mon Jun 20 17:30:16 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Mon Jun 20 17:57:45 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Mon Jun 20 18:25:12 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal\_flat.cbk line 0

Mon Jun 20 18:40:24 GMT 2022 Running UCOMP Cookbook waves\_1074\_1hour.cbk line 0

WEATHER COMMENT: mcotter: Mon Jun 20 19:03:13 GMT 2022

Aerosols have lessened and the Kcor images appear improved.

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

\*\*\*\*Possible CME in Progress mcotter\*\*\*\* : Mon Jun 20 19:20:52 GMT 2022

Observer reports with medium confidence a CME seeing launching near PA 245 deg, with a minimum width of 10 deg, at UT time 18:00:11.

This CME appears very faint and was identified using the combination of Kcor NRGF and Kcor Diff images.

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

Mon Jun 20 19:50:15 GMT 2022 Running UCOMP Cookbook dark\_80ms\_2beam\_16sums\_BOTH.cbk line 0

Mon Jun 20 19:51:02 GMT 2022 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Mon Jun 20 19:51:32 GMT 2022 Running UCOMP Cookbook 637\_Pol\_Calibrate.cbk line 0

Mon Jun 20 19:55:35 GMT 2022 Running UCOMP Cookbook 706\_Pol\_Calibrate.cbk line 0

Mon Jun 20 19:59:48 GMT 2022 Running UCOMP Cookbook 789\_Pol\_Calibrate.cbk line 0

Mon Jun 20 20:03:51 GMT 2022 Running UCOMP Cookbook 1074\_Pol\_Calibrate.cbk line 0

Mon Jun 20 20:06:16 GMT 2022 KCOR End Calibration Script

Mon Jun 20 20:07:56 GMT 2022 Running UCOMP Cookbook 1079\_Pol\_Calibrate.cbk line 0

Mon Jun 20 20:12:09 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

\*\*\*\*Possible CME in Progress mcotter\*\*\*\* : Mon Jun 20 20:17:37 GMT 2022

Observer reports with medium confidence a CME observed launching near PA 290 deg, with a minimum width of 10 deg, at UT time 19:30:11.

This CME appears to be in the early stages of formation.

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

Mon Jun 20 20:39:55 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal\_flat.cbk line 0

Mon Jun 20 20:49:06 GMT 2022 UCOMP Paused for clouds

Mon Jun 20 20:54:08 GMT 2022 UCOMP Restarted from pause

Mon Jun 20 20:54:34 GMT 2022 UCoMP Paused for clouds

Mon Jun 20 21:01:14 GMT 2022 UCoMP Restarted from pause

WEATHER COMMENT: mcotter: Mon Jun 20 21:05:55 GMT 2022

Orographic clouds moved in quite rapidly blowing up from the Saddle Valley. The cloud formation is close to the ground and fog like. It is blowing up the mountain just west of the observatory, perhaps a quarter mile and periodically wisps of clouds blow through the viewing area. Additionally, wisps of clouds are forming and breaking up in the viewing area.

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

Mon Jun 20 21:06:40 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

WEATHER COMMENT: mcotter: Mon Jun 20 21:07:07 GMT 2022

The wind is beginning to get gusty and is blowing from the north-northwest.

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

GENERAL COMMENT BY mcotter: Mon Jun 20 21:07:32 GMT 2022

I have closed the dome windows due to gusting winds.

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

WEATHER COMMENT: mcotter: Mon Jun 20 21:13:20 GMT 2022

Aerosol levels are increasing and are visible in the Kcor NRGF and Quicklook images. Additionally, the Kcor Synoptic ( Level 0) images are beginning to brighten from the center outward, as I have referenced in previous log entries.

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

Mon Jun 20 21:17:49 GMT 2022 UCoMP Paused for clouds

WEATHER COMMENT: mcotter: Mon Jun 20 21:34:03 GMT 2022

It is remarkable how fast weather conditions change here; the sky is now completely overcast and the science area is mired in fog and a light mist.

The dome shutter doors have been closed at this time due to adverse weather conditions.

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

GENERAL COMMENT BY mcotter: Mon Jun 20 23:25:26 GMT 2022

I removed the tact mat from the dome vestibule floor as it was not adhering to the floor and creating a trip hazard. The floor surface is cracking and breaking away and it will not allow the tact mat to stick to the surface. I think a new tact mat may be able to be stapled to the floor and the staples should not impede the removal of used tact mats as they become dirty. It will require a power stapler to do the job. I have one at home and will bring it in on Saturday and install the new tact mat. In the meantime I swept the floor of the cracked paint chips and placed a new tact mat inside the vestibule off to the side.

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

GENERAL COMMENT BY mcotter: Mon Jun 20 23:26:22 GMT 2022

The day started out clear, though a little bright with aerosols. By mid morning the aerosols had diminished, but by late morning they had returned and were quickly followed by clouds. By mid day the sky was completely overcast.

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

ONSITE STAFF: