
Mauna Loa Solar Observatory Observer's Log

Mon Aug 29 16:50:36 GMT 2022

Year: 22 Doy: 241

Observer: mcotter

WEATHER COMMENT: mcotter: Mon Aug 29 16:59:23 GMT 2022

Temp: 40.8f, Humidity: 37%, Pressure: 28.717in, Wind: 11mph from 270 degs. Clear but slightly hazy skies in all directions. The inversion layer is visible on the horizon well below Haleakala. Moderate steady wind from the Northwest.

____end____

GENERAL COMMENT BY mcotter: Mon Aug 29 16:59:29 GMT 2022

Opened windows upstairs

____end____

GENERAL COMMENT BY mcotter: Mon Aug 29 16:59:35 GMT 2022

PM Blew off UCOMP 01

____end____

GENERAL COMMENT BY mcotter: Mon Aug 29 16:59:42 GMT 2022

PM Blew off Kcor 01

____end____

Mon Aug 29 17:05:39 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Mon Aug 29 17:08:03 GMT 2022 Kcor Focus/alignment program exited

Mon Aug 29 17:26:14 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

****Possible CME in Progress reported by mcotter**** : Mon Aug 29 17:36:34 GMT 2022

Observer reports with HIGH confidence a CME at the time, position angle, and width noted.

TIME: 17:12:09 UT

PA: 245 deg

WIDTH: 40 deg

This CME was in progress when the observer signed on this morning and began taking data. This CME is in an area of the Sun that has shown elevated activity for the last several days.

____end____

Mon Aug 29 18:04:36 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

GENERAL COMMENT BY mcotter: Mon Aug 29 18:14:02 GMT 2022

PM Blew off Kcor Field Lens.

There appeared to be an artifact in the Kcor NRGF image at approximate PA 120 degs. The artifact appears to have been removed after blowing of the Field Lens.

____end____

Mon Aug 29 18:41:04 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 20

KCOR COMMENT BY mcotter: Mon Aug 29 18:41:25 GMT 2022

A very large prominence is currently visible in the Kcor NRGF image at approximate PA 165 degs, with a width of approximately 50 degs. The prominence is so large it can be observed in the Kcor Synoptic Level 0 images.

____end____

Mon Aug 29 18:44:26 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 21

Mon Aug 29 18:44:27 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Mon Aug 29 19:22:39 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Mon Aug 29 19:43:15 GMT 2022 Running UCOMP Cookbook waves_1074_1hour.cbk line 0

****CME Retraction BY mcotter**** : Mon Aug 29 19:55:15 GMT 2022

CME at A CME event was reported by the automatic detection system that the observer cannot confirm.

According to the auto-detection system a CME was reported at 19:13:23 UT, at PA 244.5 degs. While this area of the Sun has been quite active, and a CME was reported earlier today in that same location, the reported CME at 19:13:23 UT cannot be corroborated with the data taken. Aerosols are beginning to get heavy, so it is possible that the auto-detection system may have observed an aerosol in the data stream and mistaken it for an actual CME event.

____end____

Mon Aug 29 19:59:10 GMT 2022 Running UCOMP Cookbook waves_1074_1hour.cbk line 28

Mon Aug 29 20:01:49 GMT 2022 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Mon Aug 29 20:02:29 GMT 2022 Running UCOMP Cookbook waves_1074_1hour.cbk line 32

Mon Aug 29 20:06:26 GMT 2022 Running UCOMP Cookbook waves_1074_1hour.cbk line 37
Mon Aug 29 20:17:00 GMT 2022 KCOR End Calibration Script
WEATHER COMMENT: mcotter: Mon Aug 29 20:26:18 GMT 2022
Aerosols are getting heavy and are quite visible in the Kcor NRGF and Quicklook images.
____end____
Mon Aug 29 20:45:04 GMT 2022 Running UCOMP Cookbook waves_1074_1hour.cbk line 104
Mon Aug 29 20:58:29 GMT 2022 Running UCOMP Cookbook dark_80ms_2beam_16sums_BOTH.cbk line 0
Mon Aug 29 20:59:46 GMT 2022 Running UCOMP Cookbook 637_Pol_Calibrate.cbk line 0
Mon Aug 29 21:03:50 GMT 2022 Running UCOMP Cookbook 706_Pol_Calibrate.cbk line 0
Mon Aug 29 21:07:55 GMT 2022 Running UCOMP Cookbook 789_Pol_Calibrate.cbk line 0
Mon Aug 29 21:12:08 GMT 2022 Running UCOMP Cookbook 1074_Pol_Calibrate.cbk line 0
Mon Aug 29 21:16:43 GMT 2022 Running UCOMP Cookbook 1079_Pol_Calibrate.cbk line 0
Mon Aug 29 21:20:16 GMT 2022 UCOMP Paused for clouds
WEATHER COMMENT: mcotter: Mon Aug 29 23:34:04 GMT 2022
It is now totally overcast with dark gray clouds. Bits of fog and mist are beginning to encroach on the science area.
The dome has been closed due to poor weather conditions.
____end____
Tue Aug 30 02:01:53 GMT 2022 UCOMP Restarted from pause
GENERAL COMMENT BY mcotter: Tue Aug 30 02:03:47 GMT 2022
The day started clear but a bit hazy. A nice CME was observed in progress when observing began this morning but by late morning clouds and aerosols made their way to the observatory and observing was soon halted for the day.
____end____
ONSITE STAFF: mcotter