
Mauna Loa Solar Observatory Observer's Log

Sat Sep 17 17:26:36 GMT 2022

Year: 22 Doy: 260

Observer: mcotter

Sat Sep 17 17:27:28 GMT 2022 Kcor Focus/alignment program exited

Sat Sep 17 17:28:05 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

WEATHER COMMENT: mcotter: Sat Sep 17 17:29:10 GMT 2022

Temp: 47.4f, Humidity: 34%, Pressure: 28.767in, Wind: 1mph from 217 degs. Clear skies. The inversion layer is visible on the horizon well above Haleakala. Little to no wind.
____end____

GENERAL COMMENT BY mcotter: Sat Sep 17 17:29:21 GMT 2022

Opened windows upstairs

____end____

GENERAL COMMENT BY mcotter: Sat Sep 17 17:29:39 GMT 2022

PM Blew off UCOMP 01

____end____

GENERAL COMMENT BY mcotter: Sat Sep 17 17:29:44 GMT 2022

PM Blew off Kcor 01

____end____

KCOR COMMENT BY mcotter: Sat Sep 17 17:30:14 GMT 2022

Kcor now observing.

____end____

UCOMP COMMENT BY mcotter: Sat Sep 17 17:30:29 GMT 2022

Ucomp now observing.

____end____

Sat Sep 17 17:48:58 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Sat Sep 17 18:27:18 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Sat Sep 17 19:05:28 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Sat Sep 17 19:43:39 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

****Possible CME in Progress reported by mcotter**** : Sat Sep 17 19:54:50 GMT 2022

TIME: 18:22:07 UT

PA: 300 deg

WIDTH: 20 deg

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

There is a lot of activity happening in this quadrant of the Sun. The Kcor Diff images show several prominences with breaking filaments. The Kcor NRGF images show activity, but it is fainter and more difficult to ascertain if breakaway CME's are taking place. To be on the safe side this alert is being sent out.

____end____

Sat Sep 17 20:04:13 GMT 2022 Running UCOMP Cookbook waves_1074_1hour.cbk line 0

Sat Sep 17 20:43:21 GMT 2022 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Sat Sep 17 20:58:35 GMT 2022 KCOR End Calibration Script

Sat Sep 17 21:14:47 GMT 2022 Running UCOMP Cookbook dark_80ms_2beam_16sums_BOTH.cbk line 0

Sat Sep 17 21:16:04 GMT 2022 Running UCOMP Cookbook 637_Pol_Calibrate.cbk line 0

Sat Sep 17 21:20:27 GMT 2022 Running UCOMP Cookbook 706_Pol_Calibrate.cbk line 0

Sat Sep 17 21:24:31 GMT 2022 Running UCOMP Cookbook 789_Pol_Calibrate.cbk line 0

Sat Sep 17 21:28:35 GMT 2022 Running UCOMP Cookbook 1074_Pol_Calibrate.cbk line 0

Sat Sep 17 21:32:39 GMT 2022 Running UCOMP Cookbook 1079_Pol_Calibrate.cbk line 0

Sat Sep 17 21:36:52 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Sat Sep 17 22:15:23 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Sat Sep 17 22:36:07 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

WEATHER COMMENT: mcotter: Sat Sep 17 23:00:57 GMT 2022

Aerosols are increasing and the images are getting a bit brighter.

____end____

Sat Sep 17 23:14:36 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

WEATHER COMMENT: mcotter: Sat Sep 17 23:39:00 GMT 2022

The sky is getting bright with aerosols and Orographic clouds have entered the science area, though not in the viewing area.

____end____

Sat Sep 17 23:41:27 GMT 2022 UCoMP Paused for clouds

Sun Sep 18 00:07:23 GMT 2022 UCoMP Restarted from pause

GENERAL COMMENT BY mcotter: Sun Sep 18 00:09:28 GMT 2022

The instruments were paused briefly due to clouds in the viewing and excessive aerosols in the viewing area. The aerosols are still present but the clouds have broken up. The instruments are again observing.

____end____

Sun Sep 18 00:12:11 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 17

Sun Sep 18 00:20:01 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Sun Sep 18 00:54:33 GMT 2022 UCoMP Paused for clouds

Sun Sep 18 01:52:17 GMT 2022 UCoMP Restarted from pause

GENERAL COMMENT BY mcotter: Sun Sep 18 01:55:39 GMT 2022

The sky is now high in aerosols and the images are beginning to get saturated with light.

The instruments have been stopped.

____end____

GENERAL COMMENT BY mcotter: Sun Sep 18 02:06:14 GMT 2022

Good day for taking data, though some Orographic clouds and high aerosols became prevalent in the early afternoon.

____end____

ONSITE STAFF: mcotter