
Mauna Loa Solar Observatory Observer's Log

Tue Sep 20 16:58:34 GMT 2022

Year: 22 Doy: 263

Observer: mcotter

WEATHER COMMENT: mcotter: Tue Sep 20 17:05:59 GMT 2022

Temp: 49.1f, Humidity: 4%, Pressure: 28.628in, Wind: 7mph from 165 degs. Clear skies in all directions. Light winds from the Southeast. No discernible inversion layer observed.

____end____

GENERAL COMMENT BY mcotter: Tue Sep 20 17:06:05 GMT 2022

PM Blew off UCOMP 01

____end____

GENERAL COMMENT BY mcotter: Tue Sep 20 17:06:14 GMT 2022

PM Blew off Kcor 01

____end____

GENERAL COMMENT BY mcotter: Tue Sep 20 17:06:20 GMT 2022

Opened windows upstairs

____end____

Tue Sep 20 17:09:05 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Tue Sep 20 17:11:18 GMT 2022 Kcor Focus/alignment program exited

Tue Sep 20 17:29:57 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

****Possible CME in Progress reported by mcotter**** : Tue Sep 20 17:59:42 GMT 2022

TIME: 17:14:09 UT

PA: 110 deg

WIDTH: 20 deg

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

This CME event was already in progress when the instruments started observing this morning. So far only a few frames of the Kcor NRGF have become available, so this is early reporting.

____end____

Tue Sep 20 18:08:17 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Tue Sep 20 18:46:28 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Tue Sep 20 19:24:28 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Tue Sep 20 19:45:02 GMT 2022 Running UCOMP Cookbook waves_1074_1hour.cbk line 0

Tue Sep 20 20:53:33 GMT 2022 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Tue Sep 20 20:54:45 GMT 2022 Running UCOMP Cookbook waves_1074_1hour.cbk line 125

Tue Sep 20 20:56:18 GMT 2022 Running UCOMP Cookbook dark_80ms_2beam_16sums_BOTH.cbk line 0

Tue Sep 20 20:57:35 GMT 2022 Running UCOMP Cookbook 637_Pol_Calibrate.cbk line 0

Tue Sep 20 21:01:39 GMT 2022 Running UCOMP Cookbook 706_Pol_Calibrate.cbk line 0

Tue Sep 20 21:05:43 GMT 2022 Running UCOMP Cookbook 789_Pol_Calibrate.cbk line 0

****Possible CME in Progress reported by mcotter**** : Tue Sep 20 21:07:24 GMT 2022

TIME: 19:20:04 UT

PA: 250 degs

WIDTH: 50 degs

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

This CME event was first identified in the Kcor Diff images then afterwards identified in the Kcor NRGF images. The CME appears faint in the Kcor NRGF images and it is fast moving so repeated viewing was required to adequately observe it.

____end____

Tue Sep 20 21:08:48 GMT 2022 KCOR End Calibration Script

Tue Sep 20 21:09:48 GMT 2022 Running UCOMP Cookbook 1074_Pol_Calibrate.cbk line 0

Tue Sep 20 21:14:01 GMT 2022 Running UCOMP Cookbook 1079_Pol_Calibrate.cbk line 0

Tue Sep 20 21:18:05 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Tue Sep 20 22:04:11 GMT 2022 Kcor Focus/alignment program exited

GENERAL COMMENT BY mcotter: Tue Sep 20 22:05:34 GMT 2022

Worked with UH and NCAR networking groups to increase packet size across our networks.

Seems successful. Plan to try moving mlso data travel to the tunnel next week thursday.

Note we did have a brief network dropout during this work due to router rebooting.

____end____

Wed Sep 21 00:07:22 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

UCoMP COMMENT BY mcotter: Wed Sep 21 00:07:29 GMT 2022

PM Washed UCoMP 01. Marc wash the ucomp 01 with minimal supervision. Soap and water used.

____end____

Wed Sep 21 00:42:00 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 18

Wed Sep 21 00:47:19 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Wed Sep 21 01:07:53 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Wed Sep 21 01:50:44 GMT 2022 Kcor Focus/alignment program exited

Wed Sep 21 01:51:14 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 14

Wed Sep 21 02:04:22 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

KCOR COMMENT BY mcotter: Wed Sep 21 02:04:55 GMT 2022

PM Washed Kcor 01.

Rinsed with water and lightly cleaned with soap and water.

Initial images from NRGF show a slight fringing pattern earlier this morning that are not present post cleaning.

The Kcor 01 was cleaned independently by Marc with very little assistance from Ben.

____end____

Wed Sep 21 02:42:22 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

****EVENT COMMENT BY mcotter**** : Wed Sep 21 03:13:46 GMT 2022

Today's data showed a lot of activity in the PA 90 deg vicinity. Large looping twisting images can be observed throughout the day.

____end____

GENERAL COMMENT BY mcotter: Wed Sep 21 03:15:18 GMT 2022

Excellent day of observing. Low aerosols all day with no clouds made for a lot of good data with a couple of CME's reported.

____end____

ONSITE STAFF: berkey, mcotter