
Mauna Loa Solar Observatory Observer's Log

Sat Mar 5 17:22:23 GMT 2022

Year: 22 Doy: 064

Observer: mlso

WEATHER COMMENT BY mcotter: Sat Mar 05 17:32:47 GMT 2022

Temp: 38.8f, Humidity: 22%, Pressure: 28.714in, Wind: 3mph from 227deg, Skies: Clear skies in all directions. Gray blue inversion layer visible on the horizon just above Haleakala.

____end____

GENERAL COMMENT BY mcotter: Sat Mar 05 17:32:55 GMT 2022

Opened windows upstairs

____end____

GENERAL COMMENT BY mcotter: Sat Mar 05 17:33:02 GMT 2022

PM Blew off UCOMP O1

____end____

GENERAL COMMENT BY mcotter: Sat Mar 05 17:33:10 GMT 2022

PM Blew off Kcor O1

____end____

UCOMP COMMENT BY mcotter: Sat Mar 05 17:35:07 GMT 2022

Ucomp instrument up and running.

____end____

Sat Mar 05 17:39:14 GMT 2022 Kcor Focus/alignment program exited

GENERAL COMMENT BY mcotter: Sat Mar 05 17:42:01 GMT 2022

Skies are a little bright due to high inversion layer and elevated aerosols.

____end____

GENERAL COMMENT BY mcotter: Sat Mar 05 17:42:31 GMT 2022

Steve just arrived onsite.

____end____

****Possible CME in Progress mcotter**** : Sat Mar 05 18:05:26 GMT 2022

Observers report with medium confidence a CME seen launching near PA 300 deg, with a minimum width of 10 deg, at UT time 17:42:08.

The event was already in progress at start of observing.

____end____

Sat Mar 05 18:25:37 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Sat Mar 05 18:58:26 GMT 2022 Running UCOMP Cookbook distortion.cbk line 0

Sat Mar 05 19:00:33 GMT 2022 Running UCOMP Cookbook distortion.cbk line 0

UCOMP COMMENT BY mcotter: Sat Mar 05 19:04:21 GMT 2022

UCOMP occulter staged pulled out to installed new occulter post. 1/2 spacer under the Y stage has also been removed.

Now doing distortion testing. In order to fit the distortion grid in the telescope Y assembly needed to be removed. Going forward we should think about cutting the ~1/2" off the edge of the distortion mount so it could be installed without removing the Y occulter stage.

____end____

Sat Mar 05 19:05:52 GMT 2022 Running UCOMP Cookbook distortion.cbk line 0

Sat Mar 05 19:12:57 GMT 2022 Running UCOMP Cookbook distortion.cbk line 0

Sat Mar 05 19:26:50 GMT 2022 Running UCOMP Cookbook measure-occulter.cbk line 0

Sat Mar 05 19:27:39 GMT 2022 Running UCOMP Cookbook measure-occulter.cbk line 0

Sat Mar 05 19:33:01 GMT 2022 Running UCOMP Cookbook measure-occulter.cbk line 0

Sat Mar 05 19:39:36 GMT 2022 Running UCOMP Cookbook measure-occulter.cbk line 0

Sat Mar 05 19:45:48 GMT 2022 Running UCOMP Cookbook measure-occulter.cbk line 0

Sat Mar 05 21:06:17 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

UCOMP COMMENT BY mcotter: Sat Mar 05 21:09:19 GMT 2022

New ucomp occulter post installed assembly installed in the instrument. This gives a new occulter X/Y offset.

And from initial inspection this has removed the bright spot at the edge of the lyot stop seen during previous servicing and inspection.

____end____

UCOMP COMMENT BY mcotter: Sat Mar 05 21:21:23 GMT 2022

When installing the new occulter assembly a general visual inspection was done to the interior of the Ucomp instrument box. Upon inspection it was found that the shutter mech

anism had a screw that was slightly backed out. The shutter is functioning normally, but the next time we have an opportunity the shutter should have all of its fasteners checked to ensure they are all tight.

____end____

Sat Mar 05 21:23:49 GMT 2022 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Sat Mar 05 21:32:26 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Sat Mar 05 21:39:05 GMT 2022 KCOR End Calibration Script

Sat Mar 05 21:48:14 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Sat Mar 05 22:16:52 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Sat Mar 05 22:44:34 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 17

Sat Mar 05 22:47:07 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

WEATHER COMMENT: mcotter: Sat Mar 05 23:04:17 GMT 2022

The weather continues to be beautiful with clear skies in all directions! The wind is light and is blowing from the north-northwest. Currently there are no clouds on the horizon and the aerosols have not increased from this morning.

So far a beautiful day in the neighborhood!!

____end____

Sat Mar 05 23:15:26 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Sat Mar 05 23:31:19 GMT 2022 Running UCOMP Cookbook waves_1074_1hour.cbk line 0

Sun Mar 06 00:40:52 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Sun Mar 06 01:09:18 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Sun Mar 06 01:25:20 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Sun Mar 06 01:53:55 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Sun Mar 06 02:22:10 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Sun Mar 06 02:50:26 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Sun Mar 06 03:06:19 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Sun Mar 06 03:34:53 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

****Possible CME in Progress mcotter**** : Sun Mar 06 04:01:51 GMT 2022

Observers report with low to medium confidence a CME seeing launching near PA 45 deg, with a minimum width of 5 deg at UT time 03:56:04.

____end____

GENERAL COMMENT BY mcotter: Sun Mar 06 04:03:05 GMT 2022

Beautiful day! Clear skies all day long with just a slight increase in aerosols in the late afternoon.

____end____

Sun Mar 06 04:03:09 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

ONSITE STAFF: berkey, mcotter