
Mauna Loa Solar Observatory Observer's Log

Sat Jul 23 16:59:05 GMT 2022

Year: 22 Doy: 204

Observer: mlso

WEATHER COMMENT: mcotter: Sat Jul 23 17:02:57 GMT 2022

Temp: 43.9f, Humidity: 13%, Pressure: 28.784in, Wind: 4mph from 194degs. Heavy fog with rain and mist in the Saddle Valley up to approximately 7500' elevation. Clear but hazy skies with a heavy brown gray inversion layer visible on the horizon just above Haleakala. The overall look of the sky is bright with wisps of Cirrus visible on the eastern horizon. Very light winds out of the south.

____end____

Sat Jul 23 17:05:01 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Sat Jul 23 17:05:44 GMT 2022 Kcor Focus/alignment program exited

GENERAL COMMENT BY mcotter: Sat Jul 23 17:06:51 GMT 2022

Opened windows upstairs

____end____

Sat Jul 23 17:07:16 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 2

GENERAL COMMENT BY mcotter: Sat Jul 23 17:07:01 GMT 2022

PM Blew off UCOMP 01

____end____

GENERAL COMMENT BY mcotter: Sat Jul 23 17:07:06 GMT 2022

PM Blew off Kcor 01

____end____

UCOMP COMMENT BY mcotter: Sat Jul 23 17:07:40 GMT 2022

The Ucomp instrument is on sky and observing.

____end____

KCOR COMMENT BY mcotter: Sat Jul 23 17:08:07 GMT 2022

The Kcor instrument is on sky and observing.

____end____

Sat Jul 23 17:24:49 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

WEATHER COMMENT: mcotter: Sat Jul 23 17:29:12 GMT 2022

The initial images look good but aerosols are heavy and can be observed flitting by, particularly in the Kcor Quicklook images.

____end____

Sat Jul 23 17:59:07 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Sat Jul 23 18:33:05 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Sat Jul 23 19:07:03 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Sat Jul 23 19:25:32 GMT 2022 Running UCOMP Cookbook waves_1074_1hour.cbk line 0

****Possible CME in Progress reported by mcotter**** : Sat Jul 23 19:27:53 GMT 2022

TIME: 19:06:11 UT

Approximate PA: 210 deg

Approximate WIDTH: 20 deg

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

____end____

Sat Jul 23 20:03:01 GMT 2022 Running UCOMP Cookbook waves_1074_1hour.cbk line 68

Sat Jul 23 20:03:02 GMT 2022 UCOMP Paused for clouds

Sat Jul 23 20:03:49 GMT 2022 UCOMP Restarted from pause

Sat Jul 23 20:05:08 GMT 2022 UCOMP Paused for clouds

WEATHER COMMENT: mcotter: Sat Jul 23 20:06:17 GMT 2022

Orographic clouds have moved up from the Saddle Valley and are now in the vicinity of the observatory and blocking the viewing area.

The instruments have been paused due to clouds in the viewing area.

____end____

WEATHER COMMENT: mcotter: Sat Jul 23 20:27:28 GMT 2022

The sky has quickly become totally overcast with the clouds being of a dark gray color. The dome shutter doors and windows have been closed in case of precipitation.

____end____

WEATHER COMMENT: mcotter: Sat Jul 23 22:36:30 GMT 2022

The sky is dark gray and completely overcast with a light mist beginning to fall.

____end____

Sat Jul 23 23:18:45 GMT 2022 UCOMP Restarted from pause

WEATHER COMMENT: mcotter: Sat Jul 23 23:44:39 GMT 2022

Dense heavy fog has blanketed the entire science area with rain, drizzle and mist. Very limited visibility.

____end____

GENERAL COMMENT BY mcotter: Sat Jul 23 23:49:31 GMT 2022

The start of the day was a bit bright and aerosols appeared heavy, but the images looked very good and a decent size CME was observed. By mid to late morning clouds began to make their way from the Saddle Valley up to the observatory hindering observations. By late morning early afternoon the sky was completely overcast and fog and mist covered the science area.

____end____

ONSITE STAFF: mcotter