
Mauna Loa Solar Observatory Observer's Log

Tue May 10 17:01:07 GMT 2022

Year: 22 Doy: 130

Observer: mcotter

WEATHER COMMENT: mcotter: Tue May 10 17:07:48 GMT 2022

Temp: 44.8f, Humidity: 25%, Pressure: 28.688in, Wind: 6mph from 136deg, Skies: The ride from Hilo up in to the Saddle Valley was very difficult with heavy rains, dense fog with localized flooding and ponding on the road surface. Very slow going. Fog, mist and rain with overcast skies from the Saddle Valley to approximately 8500' elevation. Wet road conditions from approximately 8500' elevation to the science area. There are lots of Altostratus clouds at lower elevations in all directions. Dark blue gray inversion layer visible on the horizon just below Haleakala.

____end____

GENERAL COMMENT BY mcotter: Tue May 10 17:07:54 GMT 2022

Opened windows upstairs

____end____

GENERAL COMMENT BY mcotter: Tue May 10 17:08:00 GMT 2022

PM Blew off UCOMP 01

____end____

GENERAL COMMENT BY mcotter: Tue May 10 17:08:09 GMT 2022

PM Blew off Kcor 01

____end____

GENERAL COMMENT BY mcotter: Tue May 10 17:08:57 GMT 2022

The sky is quite bright at the present time, too bright to observe.

____end____

KCOR COMMENT BY mcotter: Tue May 10 17:09:46 GMT 2022

The sky is presently too bright to observe with Kcor at this time.

____end____

UCOMP COMMENT BY mcotter: Tue May 10 17:10:19 GMT 2022

The sky is too bright to observe with Ucomp at this time.

____end____

Tue May 10 17:40:07 GMT 2022 Kcor Focus/alignment program exited

KCOR COMMENT BY mcotter: Tue May 10 17:40:55 GMT 2022

The sky remains too bright to operate Kcor.

____end____

UCOMP PROBLEM COMMENT BY mcotter : Tue May 10 17:41:27 GMT 2022

The sky remains too bright to operate Ucomp.

____end____

UCOMP COMMENT BY mlso: Tue May 10 18:00:45 GMT 2022

Found a bug in the waves recipe, that took a flat after every waves measurement instead of once after all the waves measurements. Looks like this gave us twice as many flats as we planned on getting coronal images and only the one coronal image.

____end____

Tue May 10 18:04:35 GMT 2022 Kcor Focus/alignment program exited

Tue May 10 18:05:40 GMT 2022 Running UCOMP Cookbook dark.cbk line 0

KCOR COMMENT BY mcotter: Tue May 10 18:08:36 GMT 2022

Though the sky is still quite bright I have been able to run the Kcor focus routine and obtain an acceptable parabola.

Kcor is now observing.

____end____

UCOMP COMMENT BY mcotter: Tue May 10 18:09:21 GMT 2022

Though the sky is still bright the Ucomp instrument is now observing.

____end____

Tue May 10 18:27:23 GMT 2022 Running UCOMP Cookbook dark.cbk line 0

Tue May 10 18:27:34 GMT 2022 Running UCOMP Cookbook dark.cbk line 0

Tue May 10 18:29:23 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Tue May 10 18:44:21 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Tue May 10 19:13:18 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 18

Tue May 10 19:13:19 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

GENERAL COMMENT BY mcotter: Tue May 10 19:18:22 GMT 2022

The sky is getting very bright.

____end____

****Possible CME in Progress mcotter**** : Tue May 10 19:29:52 GMT 2022

Observers report with Low confidence a CME seeing launching near PA 85 deg with a minim

um width of 10 deg at UT time 19:06:11.

The CME appears very faint.

____end____

Tue May 10 19:40:46 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Tue May 10 19:51:24 GMT 2022 UCoMP Paused for clouds

WEATHER COMMENT: mcotter: Tue May 10 19:53:59 GMT 2022

The sky was getting brighter as the morning went on and now the sky is lightly overcast with Cirrostratus clouds making it too bright to observe.

____end____

KCOR COMMENT BY mcotter: Tue May 10 19:54:48 GMT 2022

The Kcor instrument has been stopped due to Cirrostratus clouds forming in the viewing area.

____end____

UCoMP COMMENT BY mcotter: Tue May 10 19:55:31 GMT 2022

The Ucomp instrument has been paused due to Cirrostratus clouds forming in the viewing area.

____end____

GENERAL COMMENT BY mcotter: Tue May 10 20:11:10 GMT 2022

The clouds that were in the viewing area seemed to have dissipated. I attempted to run the Kcor instrument again but the sky remains very bright, too bright to observe.

Waiting for better sky condition to run instruments.

____end____

WEATHER COMMENT: mcotter: Tue May 10 20:41:22 GMT 2022

Wisps of high altitude Cirrus clouds are scattered in different areas of the sky, but mostly in the northern part of the sky. Cumulus and Altocumulus clouds are building up in the Saddle Valley and appear to be pushing in from the coastlines to the east and west. When looking at the Yawcam image the sky looks relatively clear, but when I tried to re-start the Kcor instrument the synoptic image was quite bright and over saturated.

____end____

WEATHER COMMENT: mcotter: Tue May 10 21:49:34 GMT 2022

The high altitude Cirrus observed earlier that was mostly in the northern sky is now stretched across all of the sky, from horizon to horizon, east to west, north to south; long trailing wisps of Cirrus. Looking straight up at the sky a thin layer of Cirrostratus clouds are visible and a pale halo is around the Sun. The sky is currently very bright, much too bright to perform any observations.

____end____

Wed May 11 00:19:56 GMT 2022 UCoMP Restarted from pause

WEATHER COMMENT: mcotter: Wed May 11 00:24:07 GMT 2022

The sky is now completely overcast with a thin layer of Cirrostratus clouds. Long tendrils of wispy upper level Cirrus clouds are scattered across the sky in all directions. The wind is getting gusty and is now blowing from the north-northeast.

____end____

GENERAL COMMENT BY mcotter: Wed May 11 02:18:42 GMT 2022

The day started out relatively clear but the sky was very bright, too bright to observe first thing in the morning. After an hour or so the sky conditions were acceptable to start observing. As the morning progressed the sky continued to get brighter, sometimes with a passing Cirrus cloud, but eventually in the late morning the sky became too bright to observe. By early afternoon the sky was completely overcast with thin Cirrostratus clouds and wisps of high altitude Cirrus clouds.

____end____

ONSITE STAFF: