
Mauna Loa Solar Observatory Observer's Log

Tue May 17 16:27:24 GMT 2022

Year: 22 Doy: 137

Observer: mlso

WEATHER COMMENT: mcotter: Tue May 17 16:42:14 GMT 2022

Temp: 42.1f, Humidity: 13%, Pressure: 28.779in, Wind: 4mph from 173degs, Skies: Cloudy and hazy at lower elevations. Very thick blue gray inversion layer visible on the horizon at approximately the elevation of Haleakala. Band of high altitude Cirrus clouds are stretched out across the sky. The sky above appears very bright.

___end___

GENERAL COMMENT BY mcotter: Tue May 17 16:42:20 GMT 2022

Opened windows upstairs

___end___

GENERAL COMMENT BY mcotter: Tue May 17 16:42:26 GMT 2022

PM Blew off UCOMP 01

___end___

GENERAL COMMENT BY mcotter: Tue May 17 16:42:32 GMT 2022

PM Blew off Kcor 01

___end___

WEATHER COMMENT: mcotter: Tue May 17 16:50:53 GMT 2022

The sky is much too bright to observe at this time.

___end___

KCOR COMMENT BY mcotter: Tue May 17 16:51:26 GMT 2022

The sky is too bright to run Kcor at this time.

___end___

UCOMP COMMENT BY mcotter: Tue May 17 16:51:52 GMT 2022

The sky is too bright to run Ucomp at this time.

___end___

Tue May 17 18:12:29 GMT 2022 Running UCOMP Cookbook poor-weather-coronal-with-flats.cbk line 0

Tue May 17 18:17:37 GMT 2022 KCOR Start Synoptic Patrol

Tue May 17 18:33:25 GMT 2022 KCOR End Patrol

Tue May 17 18:57:06 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Tue May 17 19:12:17 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Tue May 17 19:40:03 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Tue May 17 20:03:46 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 15

Tue May 17 20:07:50 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 17

Tue May 17 20:10:21 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Tue May 17 20:22:47 GMT 2022 UCOMP Paused for clouds

WEATHER COMMENT: mcotter: Tue May 17 21:02:09 GMT 2022

The sky has been relatively bright all morning but we have been able to run both Kcor and Ucomp. Though the images are a bit bright we were able to get a couple of hours of observations on both instruments. Now the sky is getting too bright to observe with either instrument. Also, the thick haze that I described earlier at lower elevations has made it's way up to the elevation of the observatory. This haze is quite noticeable and is thick. We believe this haze is from the Kilauea Volcano which has been increasing in activity lately.

___end___

Tue May 17 21:03:03 GMT 2022 UCOMP Restarted from pause

KCOR COMMENT BY mcotter: Tue May 17 21:04:19 GMT 2022

The Kcor instrument is now stopped due to poor sky conditions.

___end___

UCOMP COMMENT BY mcotter: Tue May 17 21:04:45 GMT 2022

The Ucomp instrument is now off due to poor sky conditions.

___end___

UCOMP COMMENT BY mcotter: Wed May 18 02:44:21 GMT 2022

Ben and I took the opportunity of poor weather to perform an inspection of the assembly where the 01 frame is mounted into. We removed the cover plate and photographed and inspected the internal cam mechanism that provides the thrust to the cones that hold the frame in place. I made a sketch of the assembly and put it in the shared Google drive under the folder Ucomp 01 lens frame housing. When we were done we cleaned the assembly and lubricated the cam mechanisms. The weather was a bit mist so we decided that we should wait until tomorrow to put the 01 back into the instrument.

___end___

GENERAL COMMENT BY mcotter: Wed May 18 02:45:20 GMT 2022

The skies were very bright today from the very start of the day. We were able to get some observing accomplished but by late morning the skies were too bright to observe.

end

ONSITE STAFF: berkey, mcotter