
Mauna Loa Solar Observatory Observer's Log

Sat May 14 16:34:22 GMT 2022

Year: 22 Doy: 134

Observer: mlso

WEATHER COMMENT: mcotter: Sat May 14 16:39:05 GMT 2022

Temp: 39.9f, Humidity: 17%, Pressure: 28.684in, Wind: 3mph from 180degs, Skies: Cloudy with drizzle and mist in the Saddle Valley to approximately 7000' elevation. Mostly clear skies over the the observatory except for some Cirrocumulus clouds sprinkled across the south-southwest and western skies. So far these clouds are not in the viewing area but the sky does appear a bit bright. Heavy blue gray inversion layer located below Haleakala, with a orange brown haze located above the inversion layer. Light wind from the south.

____end____

Sat May 14 16:52:40 GMT 2022 Kcor Focus/alignment program exited

KCOR COMMENT BY mcotter: Sat May 14 16:54:20 GMT 2022

The Kcor instrument is now observing.

____end____

Sat May 14 17:08:58 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

UCoMP COMMENT BY mcotter: Sat May 14 17:12:24 GMT 2022

When I came in this morning the Ucomp computer showed the initial desktop screen when a user signs on and enter a password, but the computer was completely unresponsive to both the keyboard and mouse. I disconnect the power cord from the back of the Ucomp computer, waited 30 seconds, and re-energized the computer. The computer came up normal but a GUI came up and said the the Labview program was incorrectly shutdown. It asked if I wished to recover any information and I clicked "Yes". A GUI came up asking me to name a file and save so I name it with today date, May, 14, 2022, and proceeded to open up the Ucomp-Controller GUI. Everything appeared to come up fine, but the "Camera" LED has not come up yet. I went to the back of the rack and pulled the "Camera Power" power cord from the orange receptacle and waited 30 seconds. I re-energized the cameras but the LED still has not come on. I closed down the Ucomp-Controller GUI and the Labview program. Again I re-started the Ucomp- Controller program and the GUI seems to have come up normally.

The Ucomp instrument is now running normally and on sky.

____end____

Sat May 14 17:12:44 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 2

GENERAL COMMENT BY mcotter: Sat May 14 17:13:15 GMT 2022

The sky appears a bit bright but the Kcor Synoptic Images look good.

____end____

Sat May 14 17:26:52 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

GENERAL COMMENT BY mcotter: Sat May 14 17:38:33 GMT 2022

The sky is growing a little bright at this time.

____end____

****Possible CME in Progress mcotter**** : Sat May 14 17:47:53 GMT 2022

Observers report with MEDIUM confidence a CME seeing launching near PA 145 deg with a minimum width of 10 deg at UT time 16:56:07.

This CME appears to be in an early stage and was in motion when I logged on this morning. According to my data it has not launched away from the Sun as yet, but I anticipate it will soon.

____end____

Sat May 14 17:48:50 GMT 2022 UCoMP Paused for clouds

GENERAL COMMENT BY mcotter: Sat May 14 17:49:55 GMT 2022

BUMMER! I just sent out a CME alert and clouds have moved into the viewing area. Hopefully the clouds will pass quickly and we can get back on sky.

____end____

KCOR COMMENT BY mcotter: Sat May 14 17:50:29 GMT 2022

Kcor is now stopped due to clouds in viewing area.

____end____

UCoMP COMMENT BY mcotter: Sat May 14 17:50:55 GMT 2022

Ucomp is now stopped due to clouds in viewing area.

____end____

Sat May 14 17:55:01 GMT 2022 UCoMP Restarted from pause

Sat May 14 17:56:26 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 15

Sat May 14 17:56:27 GMT 2022 UCoMP Paused for clouds

GENERAL COMMENT BY mcotter: Sat May 14 17:57:10 GMT 2022

I tried starting the instruments again but the sky remains mush too bright.

____end____

Sat May 14 18:08:39 GMT 2022 UCoMP Restarted from pause

GENERAL COMMENT BY mcotter: Sat May 14 18:08:57 GMT 2022

The sky still remains a bit bright but both instruments are back on sky.

____end____

Sat May 14 18:10:14 GMT 2022 UCoMP Paused for clouds

Sat May 14 18:28:05 GMT 2022 UCoMP Restarted from pause

Sat May 14 18:30:29 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 17

Sat May 14 18:33:01 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

KCOR COMMENT BY mcotter: Sat May 14 18:39:47 GMT 2022

Kcor instrument back on sky.

____end____

UCoMP COMMENT BY mcotter: Sat May 14 18:40:06 GMT 2022

Ucomp instrument back on sky.

____end____

Sat May 14 19:00:27 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Sat May 14 19:27:55 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Sat May 14 19:43:05 GMT 2022 Running UCOMP Cookbook waves_1074_1hour.cbk line 0

Sat May 14 19:53:27 GMT 2022 Running UCOMP Cookbook waves_1074_1hour.cbk line 18

Sat May 14 19:55:23 GMT 2022 Running UCOMP Cookbook waves_1074_1hour.cbk line 20

Sat May 14 19:56:37 GMT 2022 Running UCOMP Cookbook waves_1074_1hour.cbk line 21

Sat May 14 20:55:52 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Sat May 14 21:23:47 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Sat May 14 21:38:57 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Sat May 14 22:06:44 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Sat May 14 22:34:51 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Sat May 14 23:02:37 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Sat May 14 23:17:47 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

WEATHER COMMENT: mcotter: Sat May 14 23:29:51 GMT 2022

The sky is starting to get bright. It is not too bright to observe, but is close. I will continue to monitor conditions and see if conditions worsen.

____end____

Sat May 14 23:31:09 GMT 2022 UCoMP Paused for clouds

WEATHER COMMENT: mcotter: Sat May 14 23:31:43 GMT 2022

Orographic clouds are beginning to move into the viewing area from the west-northwest. Observations have been stopped until sky conditions improve.

____end____

Sat May 14 23:33:44 GMT 2022 UCoMP Restarted from pause

WEATHER COMMENT: mcotter: Sat May 14 23:36:04 GMT 2022

The clouds that were in the viewing area have dissipated and are now gone. The sky remains very bright but I restarted the Kcor instrument and the synoptic images, though a little bright, look acceptable.

Kcor and Ucomp are again on sky and observing.

____end____

Sat May 14 23:48:02 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Sun May 15 00:08:30 GMT 2022 UCoMP Paused for clouds

GENERAL COMMENT BY mcotter: Sun May 15 00:09:02 GMT 2022

Both Kcor and Ucomp are now paused due to passing clouds and bright skies.

____end____

WEATHER COMMENT: mcotter: Sun May 15 00:34:25 GMT 2022

Orographic clouds have moved in from the west-northwest and the sky is now completely overcast. Some of the clouds over the observatory are dark so I have closed the dome shutter doors and windows in the event of precipitation.

____end____

GENERAL COMMENT BY mcotter: Sun May 15 02:18:44 GMT 2022

Emptied control room trash receptacle.

____end____

GENERAL COMMENT BY mcotter: Sun May 15 02:20:23 GMT 2022

The day started out good with bright but clear skies. By late morning early afternoon Orographic clouds started to make their way into the viewing area and the sky became very bright.

____end____

GENERAL COMMENT BY mcotter: Sun May 15 02:22:02 GMT 2022

The keyboard and mouse froze up a couple of times and I needed to power cycle the KVM computer to get them to work.

end

ONSITE STAFF: mcotter