
Mauna Loa Solar Observatory Observer's Log

Sat Jan 22 18:14:29 GMT 2022

Year: 22 Doy: 022

Observer: mlso

WEATHER COMMENT: mcotter: Sat Jan 22 18:19:03 GMT 2022

Temp: 43.6f, Humidity: 15%, Pressure: 28.751in, Wind: 7mph from 106degs, Skies: Clear but slightly hazy skies with an inversion layer visible on the horizon well below Haleakala.

____end____

UCoMP COMMENT BY mcotter: Sat Jan 22 18:19:29 GMT 2022

Ucomp instrument now running.

____end____

GENERAL COMMENT BY mcotter: Sat Jan 22 18:19:34 GMT 2022

Opened windows upstairs

____end____

GENERAL COMMENT BY mcotter: Sat Jan 22 18:19:41 GMT 2022

PM Blew off UCoMP 01

____end____

GENERAL COMMENT BY mcotter: Sat Jan 22 18:19:46 GMT 2022

PM Blew off Kcor 01

____end____

****KCOR PROBLEM COMMENT BY mcotter**** : Sat Jan 22 18:24:36 GMT 2022

The Kcor screen had error code messages present when I came in this morning. I tried shutting down the Labview program then I power cycled the power units in the Kcor NEMA box in the dome. When I restarted Kcor the MC4u GUI did not come up properly and had an error GUI present saying that it was not ready for Synoptic Observations. I then cycled all of the items in the MC4u GUI by moving them in and out of the beam and finally the GUI showed that it was ready for Synoptic Observations, but when I brought up the focus routine GUI I started getting error codes again. I am going to try trouble shooting again.

____end____

Sat Jan 22 18:36:35 GMT 2022 Kcor Focus/alignment program exited

KCOR COMMENT BY mcotter: Sat Jan 22 18:47:54 GMT 2022

Kcor was giving error codes and not working properly. This time I shutdown the Labview program, I shut down the computer, then I shutdown the two power units inside the Kcor NEMA box. Then in this sequence I restarted the units: first the computer, then the power units inside the NEMA box. When the computer came up the keyboard nor the mouse worked. I then pulled the power plug from the back of the KVM computer and then restarted. The KVM computer came back up and then the mouse and keyboard worked again. Afterwards I was able to start the Kcor Labview programs normally.

Kcor instrument now up and running.

____end____

Sat Jan 22 18:59:00 GMT 2022 Running UCOMP Cookbook dark_80ms_2beam_16sums_BOTH.cbk line 0

Sat Jan 22 19:00:17 GMT 2022 Running UCOMP Cookbook 637_Scan.cbk line 0

Sat Jan 22 19:02:12 GMT 2022 Running UCOMP Cookbook 656_Scan.cbk line 0

Sat Jan 22 19:04:01 GMT 2022 Running UCOMP Cookbook 789_Scan.cbk line 0

Sat Jan 22 19:05:51 GMT 2022 Running UCOMP Cookbook 1074_Scan.cbk line 0

Sat Jan 22 19:07:40 GMT 2022 Running UCOMP Cookbook 1079_Scan.cbk line 0

Sat Jan 22 19:09:29 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

****UCoMP PROBLEM COMMENT BY mcotter**** : Sat Jan 22 19:22:42 GMT 2022

Ucomp instrument status GUI stopped updating while I was working on Kcor and approximately 25 minutes had gone by without any updates. I tried stopping the recipe early then hitting the stop button but the program was unresponsive. Using the pull down menu for the Mech controller GUI I exited the program and all the GUI's shut down. I then restarted the Ucomp controller program via the icon on the desktop. The program came back up and I restarted the Ucomp instrument. The instrument appears to be operating normally but the ILX LED and the 01 LED are not illuminated, though as I stated the instrument appears to be running normally. I called Ben and told him of the situation and he told me to let it run for now, as it is doing flats, but when the images come up to check and make sure images are in focus. If things do not look correct, restart the program.

____end____

Sat Jan 22 19:27:36 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Sat Jan 22 20:06:41 GMT 2022 KCOR Start Calibration script: c:\kcor\mlso-calibration22d

eg-20171025.ini

Sat Jan 22 20:15:50 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 24
Sat Jan 22 20:21:57 GMT 2022 KCOR End Calibration Script
Sat Jan 22 20:27:51 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 28
Sat Jan 22 20:42:08 GMT 2022 Running UCOMP Cookbook no-occulter-flat.cbk line 0
Sat Jan 22 20:48:41 GMT 2022 Running UCOMP Cookbook dark_80ms_2beam_16sums_BOTH.cbk line 0
Sat Jan 22 20:49:58 GMT 2022 Running UCOMP Cookbook 637_Pol_Calibrate.cbk line 0
Sat Jan 22 20:54:17 GMT 2022 Running UCOMP Cookbook 656_Pol_Calibrate.cbk line 0
Sat Jan 22 20:58:21 GMT 2022 Running UCOMP Cookbook 789_Pol_Calibrate.cbk line 0
Sat Jan 22 21:02:24 GMT 2022 Running UCOMP Cookbook 1074_Pol_Calibrate.cbk line 0
Sat Jan 22 21:06:28 GMT 2022 Running UCOMP Cookbook 1079_Pol_Calibrate.cbk line 0
Sat Jan 22 21:10:32 GMT 2022 Running UCOMP Cookbook waves_1074_1hour.cbk line 0
Sat Jan 22 21:45:48 GMT 2022 Running UCOMP Cookbook waves_1074_1hour.cbk line 51

WEATHER COMMENT: mcotter: Sat Jan 22 21:58:05 GMT 2022

Skies remain clear in all directions but aerosols are increasing dramatically and are quite prevalent in the Kcor NRGF image.

___end___

Sat Jan 22 22:00:36 GMT 2022 Running UCOMP Cookbook waves_1074_1hour.cbk line 76
Sat Jan 22 22:29:42 GMT 2022 Running UCOMP Cookbook dark_200_1sums_80ms.cbk line 0
Sat Jan 22 22:34:41 GMT 2022 Running UCOMP Cookbook no-occulter-flat.cbk line 0
Sat Jan 22 22:41:12 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Sat Jan 22 22:59:34 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

WEATHER COMMENT: mcotter: Sat Jan 22 23:06:12 GMT 2022

Skies continue to remain beautifully clear in every direction with only a few scattered clouds visible on the horizon at lower elevations. Though the sky does remain beautifully clear aerosols are on the rise and they can be clearly observed in the Kcor Synoptic and Kcor NRGF images. I am going to let the instrument continue to run until saturation levels are overly obvious.

___end___

UCOMP COMMENT BY mcotter: Sat Jan 22 23:09:38 GMT 2022

The Ucomp instrument continues to run and everything looks normal with the exception of the ILX and 01 LED's not being illuminated. I believe it may just be an anomaly with the software because the program seems to be operating fine.

___end___

WEATHER COMMENT: mcotter: Sat Jan 22 23:18:14 GMT 2022

Aerosols just shot way up and the Kcor Synoptic image has changed color to a light gray and Kcor NRGF image is loaded with stray light from the aerosols.

___end___

UCOMP COMMENT BY mcotter: Sat Jan 22 23:18:43 GMT 2022

Ucomp has been paused due to sky conditions.

___end___

Sat Jan 22 23:18:32 GMT 2022 UCOMP Paused for clouds

KCOR COMMENT BY mcotter: Sat Jan 22 23:19:44 GMT 2022

Kcor has been stopped for now due to sky conditions.

___end___

Sun Jan 23 02:23:55 GMT 2022 UCOMP Restarted from pause

GENERAL COMMENT BY mcotter: Sun Jan 23 02:40:21 GMT 2022

Beautiful clear day but aerosols became too high in the early afternoon to continue observing. The morning was good though.

___end___

GENERAL COMMENT BY mcotter: Sun Jan 23 02:41:53 GMT 2022

Emptied trash receptacle in control room.

___end___

ONSITE STAFF: mcotter