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Mauna Loa Solar Observatory Observer's Log  
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Tue Jan 18 18:01:47 GMT 2022

Year: 22 Doy: 018

Observer: mcotter

Tue Jan 18 18:03:32 GMT 2022 Running UCOMP Cookbook dark\_80ms\_2beam\_16sums\_BOTH.cbk line 0

Tue Jan 18 18:03:40 GMT 2022 Kcor Focus/alignment program exited

Tue Jan 18 18:04:49 GMT 2022 Running UCOMP Cookbook 637\_Scan.cbk line 0

Tue Jan 18 18:07:00 GMT 2022 Running UCOMP Cookbook 656\_Scan.cbk line 0

WEATHER COMMENT: mcotter: Tue Jan 18 18:07:29 GMT 2022

Temp: 39.9f, Humidity: 17%, Pressure: 28.697in, Wind: 6mph from 172degs, Skies: Another beautiful day in the neighborhood! Clear skies in all directions, though there is a bit of a haze in the sky. Inversion layer visible on the horizon just above Haleakala.

\_\_\_\_end\_\_\_\_

GENERAL COMMENT BY mcotter: Tue Jan 18 18:07:35 GMT 2022

Opened windows upstairs

\_\_\_\_end\_\_\_\_

GENERAL COMMENT BY mcotter: Tue Jan 18 18:07:41 GMT 2022

PM Blew off UCOMP 01

\_\_\_\_end\_\_\_\_

GENERAL COMMENT BY mcotter: Tue Jan 18 18:07:48 GMT 2022

PM Blew off Kcor 01

\_\_\_\_end\_\_\_\_

UCOMP COMMENT BY mcotter: Tue Jan 18 18:08:07 GMT 2022

Ucomp instrument now running.

\_\_\_\_end\_\_\_\_

Tue Jan 18 18:08:49 GMT 2022 Running UCOMP Cookbook 789\_Scan.cbk line 0

KCOR COMMENT BY mcotter: Tue Jan 18 18:09:39 GMT 2022

Kcor instrument now running.

SGS offsets: X (RA): 48, Y (Dec): -7.

Polarization checked good: Mid, Bright, Dark, Mid.

\_\_\_\_end\_\_\_\_

Tue Jan 18 18:10:38 GMT 2022 Running UCOMP Cookbook 1074\_Scan.cbk line 0

Tue Jan 18 18:12:28 GMT 2022 Running UCOMP Cookbook 1079\_Scan.cbk line 0

Tue Jan 18 18:14:17 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal\_flat.cbk line 0

Tue Jan 18 18:32:24 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Tue Jan 18 19:43:46 GMT 2022 Running UCOMP Cookbook no-occulter-flat.cbk line 0

Tue Jan 18 19:50:29 GMT 2022 Running UCOMP Cookbook dark\_80ms\_2beam\_16sums\_BOTH.cbk line 0

Tue Jan 18 19:51:46 GMT 2022 Running UCOMP Cookbook 637\_Pol\_Calibrate.cbk line 0

Tue Jan 18 19:56:05 GMT 2022 Running UCOMP Cookbook 656\_Pol\_Calibrate.cbk line 0

Tue Jan 18 20:00:09 GMT 2022 Running UCOMP Cookbook 789\_Pol\_Calibrate.cbk line 0

Tue Jan 18 20:04:12 GMT 2022 Running UCOMP Cookbook 1074\_Pol\_Calibrate.cbk line 0

Tue Jan 18 20:07:45 GMT 2022 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Tue Jan 18 20:08:16 GMT 2022 Running UCOMP Cookbook 1079\_Pol\_Calibrate.cbk line 0

Tue Jan 18 20:12:19 GMT 2022 Running UCOMP Cookbook waves\_1074\_1hour.cbk line 0

Tue Jan 18 20:23:01 GMT 2022 KCOR End Calibration Script

Tue Jan 18 21:17:58 GMT 2022 Running UCOMP Cookbook waves\_1074\_1hour.cbk line 117

Tue Jan 18 21:24:08 GMT 2022 Running UCOMP Cookbook dark\_200\_1sums\_80ms.cbk line 0

Tue Jan 18 21:29:08 GMT 2022 Running UCOMP Cookbook no-occulter-flat.cbk line 0

Tue Jan 18 21:35:39 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal\_flat.cbk line 0

Tue Jan 18 21:54:00 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Tue Jan 18 23:05:11 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

WEATHER COMMENT: mcotter: Tue Jan 18 23:30:47 GMT 2022

The sky is beginning to grow bright with aerosols. Orthographic clouds can be observed coming up the flanks of Maunaloa in all directions. The clouds coming up from the Saddle Valley in the north are darker in color and may pose a problem of precipitation,

\_\_\_\_end\_\_\_\_

Tue Jan 18 23:38:09 GMT 2022 UCOMP Paused for clouds

GENERAL COMMENT BY mcotter: Tue Jan 18 23:42:47 GMT 2022

Both Kcor and Ucomp are now stopped due to clouds in the observing area.

\_\_\_\_end\_\_\_\_

KCOR COMMENT BY mcotter: Wed Jan 19 00:15:43 GMT 2022

The Kcor Acquisition program would not shut down, even after repeated attempts to close via the Stop button. I exited and closed the Labview program and restarted. The Labview programs started with no problem.

\_\_\_\_end\_\_\_\_

Wed Jan 19 00:16:09 GMT 2022 UCoMP Restarted from pause

GENERAL COMMENT BY mcotter: Wed Jan 19 00:17:04 GMT 2022

The instruments are again on sky and running.

\_\_\_\_end\_\_\_\_

GENERAL COMMENT BY mcotter: Wed Jan 19 00:18:22 GMT 2022

Aerosols are high and the Kcor Acquisition images are a bit bright, but I am going to let the instrument run for now.

\_\_\_\_end\_\_\_\_

Wed Jan 19 00:51:34 GMT 2022 UCoMP Paused for clouds

Wed Jan 19 01:08:17 GMT 2022 UCoMP Restarted from pause

UCoMP COMMENT BY mlso: Wed Jan 19 01:46:27 GMT 2022

UCoMP tuning files were updated before the start of observing today and yesterday. These updates should correct a blueward linear drift we are seeing in the UCoMP Lyot filter tuning in 2021. It is unclear why the filter is drifting but this new tuning file should correct the filter back to line center.

Yesterday all wavelengths were updated at 6:00am (before taking data). Today (based on yesterday's data) 637, 1074, and 1079 were further tweaked and changes were applied about 6:30 am before we started taking data.

\_\_\_\_end\_\_\_\_

Wed Jan 19 01:48:23 GMT 2022 UCoMP Paused for clouds

WEATHER COMMENT: mcotter: Wed Jan 19 01:52:27 GMT 2022

The sky has become quite bright with aerosols and wisps of clouds continue to form and dissipate above the observatory and in the viewing area.

\_\_\_\_end\_\_\_\_

GENERAL COMMENT BY mcotter: Wed Jan 19 01:53:02 GMT 2022

Due to sky conditions both Kcor and Ucomp have been stopped.

\_\_\_\_end\_\_\_\_

**\*\*KCOR PROBLEM COMMENT BY mcotter\*\*** : Wed Jan 19 01:58:12 GMT 2022

Again, when trying to stop the Kcor Acquisition program by hitting the Stop button the program was unresponsive. The MC4u GUI worked fine and I was able to put the cover in the beam with no problem, but when I tried stopping the Kcor program nothing happened. When the Stop button did not work I tried hitting the Abort button and open the File pull down menu but the program was completely unresponsive. I ended up opening the Task Manager and closing the Labview program using this method.

\_\_\_\_end\_\_\_\_

KCOR COMMENT BY mcotter: Wed Jan 19 02:00:10 GMT 2022

I restarted the Labview program and opened all the GUI's with no problem.

\_\_\_\_end\_\_\_\_

GENERAL COMMENT BY mcotter: Wed Jan 19 02:26:03 GMT 2022

Emptied all trash receptacles in the observatory.

\_\_\_\_end\_\_\_\_

GENERAL COMMENT BY mcotter: Wed Jan 19 02:27:07 GMT 2022

Beautiful clear day until early afternoon when aerosols started to increase and sporadic clouds came into the viewing area.

\_\_\_\_end\_\_\_\_

ONSITE STAFF: