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Mauna Loa Solar Observatory Observer's Log  
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Mon Jan 17 18:37:57 GMT 2022

Year: 22 Doy: 017

Observer: mlso

Mon Jan 17 18:39:42 GMT 2022 Kcor Focus/alignment program exited

Mon Jan 17 18:41:57 GMT 2022 Running UCOMP Cookbook dark\_80ms\_2beam\_16sums\_BOTH.cbk line 0

WEATHER COMMENT: mcotter: Mon Jan 17 18:43:38 GMT 2022

Temp: 46.1f, Humidity: 27%, Pressure: 28.733in, Wind: 2mph from 304degs, Skies: Clear but hazy skies. Inversion layer visible on the horizon just below the peak of Haleakala.  
\_\_\_\_end\_\_\_\_

Mon Jan 17 18:43:14 GMT 2022 Running UCOMP Cookbook 637\_Scan.cbk line 0

GENERAL COMMENT BY mcotter: Mon Jan 17 18:43:57 GMT 2022

Opened windows upstairs

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

GENERAL COMMENT BY mcotter: Mon Jan 17 18:44:04 GMT 2022

PM Blew off UCOMP 01

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

GENERAL COMMENT BY mcotter: Mon Jan 17 18:44:09 GMT 2022

PM Blew off Kcor 01

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

KCOR COMMENT BY mcotter: Mon Jan 17 18:45:11 GMT 2022

Kcor now running.

SGS offsets: X (RA): 45, Y (Dec): -10.

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

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

Mon Jan 17 18:45:24 GMT 2022 Running UCOMP Cookbook 656\_Scan.cbk line 0

GENERAL COMMENT BY mcotter: Mon Jan 17 18:46:30 GMT 2022

Sky is a bit bright with aerosols, as they were quite visible during the Kcor Focus routine but images look good.

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

Mon Jan 17 18:47:14 GMT 2022 Running UCOMP Cookbook 789\_Scan.cbk line 0

Mon Jan 17 18:49:03 GMT 2022 Running UCOMP Cookbook 1074\_Scan.cbk line 0

Mon Jan 17 18:50:53 GMT 2022 Running UCOMP Cookbook 1079\_Scan.cbk line 0

Mon Jan 17 18:52:42 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal\_flat.cbk line 0

Mon Jan 17 19:10:49 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Mon Jan 17 20:09:40 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 28

Mon Jan 17 20:23:57 GMT 2022 Running UCOMP Cookbook no-occulter-flat.cbk line 0

Mon Jan 17 20:30:40 GMT 2022 Running UCOMP Cookbook dark\_80ms\_2beam\_16sums\_BOTH.cbk line 0

Mon Jan 17 20:31:57 GMT 2022 Running UCOMP Cookbook 637\_Pol\_Calibrate.cbk line 0

Mon Jan 17 20:36:16 GMT 2022 Running UCOMP Cookbook 656\_Pol\_Calibrate.cbk line 0

Mon Jan 17 20:40:29 GMT 2022 Running UCOMP Cookbook 789\_Pol\_Calibrate.cbk line 0

Mon Jan 17 20:44:32 GMT 2022 Running UCOMP Cookbook 1074\_Pol\_Calibrate.cbk line 0

Mon Jan 17 20:48:37 GMT 2022 Running UCOMP Cookbook 1079\_Pol\_Calibrate.cbk line 0

Mon Jan 17 20:52:40 GMT 2022 Running UCOMP Cookbook waves\_1074\_1hour.cbk line 0

Mon Jan 17 21:18:22 GMT 2022 Running UCOMP Cookbook waves\_1074\_1hour.cbk line 47

Mon Jan 17 21:37:02 GMT 2022 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Mon Jan 17 21:45:11 GMT 2022 Running UCOMP Cookbook waves\_1074\_1hour.cbk line 93

Mon Jan 17 21:52:19 GMT 2022 KCOR End Calibration Script

Mon Jan 17 22:04:47 GMT 2022 Running UCOMP Cookbook dark\_200\_1sums\_80ms.cbk line 0

Mon Jan 17 22:09:47 GMT 2022 Running UCOMP Cookbook no-occulter-flat.cbk line 0

Mon Jan 17 22:16:18 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal\_flat.cbk line 0

Mon Jan 17 22:34:41 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

WEATHER COMMENT: mcotter: Mon Jan 17 22:48:39 GMT 2022

Aerosols, as can be observed in the images, are increasing as the day goes on.

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

Mon Jan 17 23:08:33 GMT 2022 UCOMP Paused for clouds

WEATHER COMMENT: mcotter: Mon Jan 17 23:12:06 GMT 2022

Temp: 48.2f, Humidity: 72%, Pressure: 28.662in, Wind: 5mph from 350degs, Skies: Orthographic clouds have moved into the viewing area from the north-northwest and northeast.

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

UCoMP COMMENT BY mcotter: Mon Jan 17 23:12:56 GMT 2022

Ucomp is now paused due to clouds in the viewing area.

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

KCOR COMMENT BY mcotter: Mon Jan 17 23:13:27 GMT 2022

Kcor has been stopped due to clouds in the viewing area.

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

GENERAL COMMENT BY mcotter: Mon Jan 17 23:16:24 GMT 2022

Due to clouds over the observatory the dome shutter doors have been closed in the event of precipitation.

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

Mon Jan 17 23:57:04 GMT 2022 UCoMP Restarted from pause

GENERAL COMMENT BY mcotter: Tue Jan 18 00:00:09 GMT 2022

The dome is again open!

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

GENERAL COMMENT BY mcotter: Tue Jan 18 00:00:58 GMT 2022

Due to a break in the clouds the Kcor and Ucomp instruments are again running!

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

GENERAL COMMENT BY mcotter: Tue Jan 18 00:03:41 GMT 2022

The sky is very bright with aerosols, and clouds are forming and dissipating over the observatory, but there are some breaks in the clouds that I we are able to collect some data.

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

Tue Jan 18 00:03:43 GMT 2022 UCoMP Paused for clouds

GENERAL COMMENT BY mcotter: Tue Jan 18 00:06:34 GMT 2022

Clouds have moved into the viewing area sooner than I anticipated. The instruments are currently paused but I am keeping the dome open for now in the hope that the clouds may break up soon.

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

Tue Jan 18 00:32:45 GMT 2022 UCoMP Restarted from pause

Tue Jan 18 00:52:08 GMT 2022 UCoMP Paused for clouds

Tue Jan 18 00:54:11 GMT 2022 UCoMP Restarted from pause

GENERAL COMMENT BY mcotter: Tue Jan 18 01:29:43 GMT 2022

Aerosols are still high but they seemed to have peeked and the images are looking a bit better than they were earlier.

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

Tue Jan 18 01:49:07 GMT 2022 UCoMP Paused for clouds

Tue Jan 18 01:50:38 GMT 2022 UCoMP Restarted from pause

GENERAL COMMENT BY mcotter: Tue Jan 18 01:56:55 GMT 2022

The dome did not advance automatically so I manually advanced the dome to align with the spar pointing.

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

GENERAL COMMENT BY mcotter: Tue Jan 18 03:37:40 GMT 2022

Beautiful clear skies most of the day. Some early afternoon clouds, but the clouds dissipated within an hour or so. Some elevated aerosols in the afternoon but images looked acceptable.

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

ONSITE STAFF: mcotter