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Mauna Loa Solar Observatory Observer's Log  
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Tue Nov 23 17:03:45 GMT 2021

Year: 21 Doy: 327

Observer: mlso

WEATHER COMMENT: mcotter: Tue Nov 23 17:03:15 GMT 2021

Temp: 37.3f, Humidity: 11%, Pressure: 28.793in, Wind: 9mph from 167degs, Skies: Clear skies overhead with some clouds on the horizon. Heavy grayish pink inversion layer visible on the horizon above Haleakala.

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

GENERAL COMMENT BY mcotter: Tue Nov 23 17:12:28 GMT 2021

Opened windows upstairs

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

GENERAL COMMENT BY mcotter: Tue Nov 23 17:12:41 GMT 2021

PM Blew off UCOMP O1

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

GENERAL COMMENT BY mcotter: Tue Nov 23 17:12:57 GMT 2021

PM Blew off Kcor O1

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

Tue Nov 23 17:40:41 GMT 2021 Running UCOMP Cookbook dark\_80ms\_2beam\_16sums\_BOTH.cbk line 0

Tue Nov 23 17:40:58 GMT 2021 Kcor Focus/alignment program exited

Tue Nov 23 17:41:58 GMT 2021 Running UCOMP Cookbook 637\_Scan.cbk line 0

Tue Nov 23 17:44:11 GMT 2021 Running UCOMP Cookbook 656\_Scan.cbk line 0

Tue Nov 23 17:46:00 GMT 2021 Running UCOMP Cookbook 789\_Scan.cbk line 0

Tue Nov 23 17:47:50 GMT 2021 Running UCOMP Cookbook 1074\_Scan.cbk line 0

Tue Nov 23 17:49:39 GMT 2021 Running UCOMP Cookbook 1079\_Scan.cbk line 0

Tue Nov 23 17:51:29 GMT 2021 Running UCOMP Cookbook all\_wavelength\_coronal\_flat.cbk line 0

UCOMP COMMENT BY mcotter: Tue Nov 23 18:03:32 GMT 2021

Ucomp instrument now running.

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

KCOR COMMENT BY mcotter: Tue Nov 23 18:05:04 GMT 2021

Kcor instrument now running.

SGS offsets: X(RA): 35, Y(Dec): -5.

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

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

GENERAL COMMENT BY mcotter: Tue Nov 23 18:05:35 GMT 2021

The skies are a bit bright but the data images look good.

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

Tue Nov 23 18:09:46 GMT 2021 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Tue Nov 23 18:57:06 GMT 2021 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 24

GENERAL COMMENT BY mcotter: Tue Nov 23 18:58:44 GMT 2021

The skies have lost some of the brightness and the images are improved.

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

Tue Nov 23 19:22:10 GMT 2021 Running UCOMP Cookbook dark\_80ms\_2beam\_16sums\_BOTH.cbk line 0

Tue Nov 23 19:23:27 GMT 2021 Running UCOMP Cookbook 637\_Pol\_Calibrate.cbk line 0

Tue Nov 23 19:27:49 GMT 2021 Running UCOMP Cookbook 656\_Pol\_Calibrate.cbk line 0

Tue Nov 23 19:31:53 GMT 2021 Running UCOMP Cookbook 789\_Pol\_Calibrate.cbk line 0

Tue Nov 23 19:32:17 GMT 2021 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Tue Nov 23 19:35:57 GMT 2021 Running UCOMP Cookbook 1074\_Pol\_Calibrate.cbk line 0

GENERAL COMMENT BY mcotter: Tue Nov 23 19:36:55 GMT 2021

The sky remains clear overhead and in the viewing area, but large bands of high altitude Cirrus are beginning to move in from the south. They appear to be blowing in from the southwest and according to the satellite images we may remain on the cusp of the cloud bands for a while, but time will tell.

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

Tue Nov 23 19:40:01 GMT 2021 Running UCOMP Cookbook 1079\_Pol\_Calibrate.cbk line 0

Tue Nov 23 19:44:04 GMT 2021 Running UCOMP Cookbook waves\_1074\_1hour.cbk line 0

Tue Nov 23 19:47:34 GMT 2021 KCOR End Calibration Script

Tue Nov 23 20:56:31 GMT 2021 UCOMP Paused for clouds

WEATHER COMMENT: mcotter: Tue Nov 23 20:58:35 GMT 2021

Temp: 52.5f, Humidity: 13%, Pressure: 28.817in, Wind: 6mph from 24degs, Skies: Cirrus has moved into the viewing area from the south. Wisps of Altocumulus clouds are also beginning

in to form over the observatory.

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

GENERAL COMMENT BY mcotter: Tue Nov 23 20:58:55 GMT 2021

Both Kcor and Ucomp have been paused for clouds.

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

\*\*UCOMP PROBLEM COMMENT BY mcotter\*\* : Tue Nov 23 22:59:41 GMT 2021

Steve had advised us that he saw that there was a problem with one of the heating elements within the instrument. When the instrument was paused for clouds I opened Ucomp up and did an inspection. The the Watlow Controller had no output voltage to the relay and there appeared to be no power going to the unit. Upon closer inspection I found that the power connector was not fully inserted into the Watlow Controller, thus no power to the heating element. After a short period of time the temps came up to normal operating levels.

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

GENERAL COMMENT BY mcotter: Tue Nov 23 23:01:04 GMT 2021

Beautiful and clear in the early morning. By late morning Cirrus was moving in and eventually the sky became too bright to observe.

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

GENERAL COMMENT BY mcotter: Tue Nov 23 23:04:00 GMT 2021

Continued to repair the control unit and motors for the adjustable control desk height movement. The broken wiring and connectors have been repaired. I still have to sync the motors, but hopefully after that it will be operational and I can install.

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

GENERAL COMMENT BY mcotter: Tue Nov 23 23:04:56 GMT 2021

Emptied trash containers in the dome and control room.

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

Tue Nov 23 23:21:12 GMT 2021 UCoMP Restarted from pause