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Mauna Loa Solar Observatory Observer's Log  
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Sat Jul 2 16:50:31 GMT 2022

Year: 22 Doy: 183

Observer: mlso

WEATHER COMMENT: mcotter: Sat Jul 02 17:19:46 GMT 2022

Temp: 38.9f, Humidity: 50%, Pressure: 28.676in, Wind: 14mph from 131degs, Skies: High a ltitude Cirrus clouds are scattered all across the sky at this time. Lower level Altocumulus and Cumulus clouds are scattered across the Saddle Valley and across various areas of the Big Island. The inversion layer is indiscernible because of the clouds scattered across the horizon at various levels and Haleakala is not visible. The wind is very strong and gusty, blowing from the east-southeast.

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

GENERAL COMMENT BY mcotter: Sat Jul 02 17:34:19 GMT 2022

An attempt was made to open the dome but the wind is very strong and gusty. The dome remains closed at this time.

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

GENERAL COMMENT BY mcotter: Sat Jul 02 17:34:26 GMT 2022

PM Blew off Kcor 01

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

GENERAL COMMENT BY mcotter: Sat Jul 02 17:34:36 GMT 2022

PM Blew off UCOMP 01

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

Sat Jul 02 18:31:17 GMT 2022 Kcor Focus/alignment program exited

Sat Jul 02 18:36:36 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal\_flat.cbk line 0

Sat Jul 02 18:43:20 GMT 2022 UCOMP Paused for clouds

Sat Jul 02 19:01:28 GMT 2022 UCOMP Restarted from pause

Sat Jul 02 19:10:08 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Sat Jul 02 19:37:55 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

UCOMP COMMENT BY mcotter: Sat Jul 02 19:47:43 GMT 2022

The sky was quite bright early this morning at the start of day and the winds were strong and gusty. The Ucomp instrument was not put on sky and observing until after the Sun rose away from the horizon and the winds moved more from the south which was approximately 0830 HST.

The Ucomp instrument was briefly paused as the Sun passed through a band of Cirrus, but the instrument is again observing.

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

KCOR COMMENT BY mcotter: Sat Jul 02 19:48:33 GMT 2022

The sky was quite bright early this morning at the start of day and the winds were strong and gusty. The Kcor instrument was not put on sky and observing until after the Sun rose away from the horizon and the winds moved more from the south which was approximately 0830 HST.

The Kcor instrument was briefly paused as the Sun passed through a band of Cirrus, but the instrument is again observing.

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

WEATHER COMMENT: mcotter: Sat Jul 02 19:50:02 GMT 2022

The sky was very bright early this morning at the start of day, but the sky now looks clear and the Kcor 01 level data looks clear, well defined and crisp.

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

Sat Jul 02 20:02:58 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 15

Sat Jul 02 20:04:32 GMT 2022 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

WEATHER COMMENT: mcotter: Sat Jul 02 20:05:48 GMT 2022

Sky conditions have improved tremendously. The Kcor calibration has been initialized to take advantage of these good conditions.

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

Sat Jul 02 20:08:14 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Sat Jul 02 20:19:46 GMT 2022 KCOR End Calibration Script

Sat Jul 02 20:36:02 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal\_flat.cbk line 0

Sat Jul 02 20:51:15 GMT 2022 Running UCOMP Cookbook waves\_1074\_1hour.cbk line 0

Sat Jul 02 21:08:00 GMT 2022 UCOMP Paused for clouds

WEATHER COMMENT: mcotter: Sat Jul 02 21:20:18 GMT 2022

High altitude Cirrus clouds have made it into the viewing area from the south-southwest. Looking at the weather satellite images shows that the bands of Cirrus clouds are lik

ely to be in the viewing area for the rest of the day.  
Both Kcor and Ucomp have been stopped due to poor sky conditions.

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

Sun Jul 03 02:13:57 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal\_flat.cbk line 0

Sun Jul 03 02:16:45 GMT 2022 Kcor Focus/alignment program exited

Sun Jul 03 02:17:38 GMT 2022 UCOMP Paused for clouds

Sun Jul 03 02:20:49 GMT 2022 UCOMP Restarted from pause

UCOMP COMMENT BY mcotter: Sun Jul 03 02:26:17 GMT 2022

Tested a new USB3.0 cable from the ucomp computer to the startech switch. Windows was not happy with the results; and saw the hub as a poorly configured device. I think this is related to the other "lemon" issues we tend to have with ucomp PC.

USB cable config was reverted to normal condition; with plans to try the new cable out again when we replace the ucomp computer.

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

UCOMP COMMENT BY mcotter: Sun Jul 03 02:47:59 GMT 2022

PM Washed UCOMP 01.

The Ucomp 01 lens was removed from the instrument and it had a lot of particulate contamination upon inspection. The lens was thoroughly rinsed then washed repeatedly with soap and water. The lens was then inspected by Ben after cleaning and it was thought to be much improved. The Ucomp 01 lens was reinstalled and is ready for observing.

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

KCOR COMMENT BY mcotter: Sun Jul 03 02:48:56 GMT 2022

PM Washed Kcor 01.

PM Washed UCOMP 01.

The Kcor 01 lens was removed from the instrument and it had a lot of particulate contamination upon inspection. The lens was thoroughly rinsed then washed repeatedly with soap and water. The lens was then inspected by Ben after cleaning and it was thought to be much improved. The Kcor 01 lens was reinstalled and is ready for observing.

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

GENERAL COMMENT BY mcotter: Sun Jul 03 02:52:04 GMT 2022

The day started with very bright skies and strong gusty winds from the east-southeast. After approximately one hour the sky cleared enough to start observing. By late morning high altitude Cirrus clouds moved into the viewing area from the southwest and observing was paused. We took this opportunity to wash both Ucomp and Kcor 01 lens' then returned them both to the instrument for later observations.

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

ONSITE STAFF: berkey, mcotter, Joan