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Mauna Loa Solar Observatory Observer's Log  
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Thu Jun 2 17:13:49 GMT 2022

Year: 22 Doy: 153

Observer: mlso

WEATHER COMMENT: mcotter: Thu Jun 02 17:15:12 GMT 2022

Temp: 53.9f, Humidity: 9%, Pressure: 28.585in, Wind: 15mph from 123degs, Skies: Clear skies in all directions. Blue gray inversion layer is visible on the horizon well below Haleakala. Steady wind from the east.

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

GENERAL COMMENT BY mcotter: Thu Jun 02 17:15:20 GMT 2022

Opened windows upstairs

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

GENERAL COMMENT BY mcotter: Thu Jun 02 17:15:26 GMT 2022

PM Blew off UCOMP 01

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

GENERAL COMMENT BY mcotter: Thu Jun 02 17:15:39 GMT 2022

PM Blew off Kcor 01

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

KCOR COMMENT BY mcotter: Thu Jun 02 17:16:04 GMT 2022

Kcor instrument now observing.

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

UCOMP COMMENT BY mcotter: Thu Jun 02 17:16:22 GMT 2022

Ucomp instrument now observing.

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

Thu Jun 02 17:27:42 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Thu Jun 02 17:55:37 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Thu Jun 02 18:23:04 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Thu Jun 02 18:50:32 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal\_flat.cbk line 0

Thu Jun 02 19:05:43 GMT 2022 Running UCOMP Cookbook waves\_1074\_1hour.cbk line 0

Thu Jun 02 20:03:24 GMT 2022 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Thu Jun 02 20:15:30 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Thu Jun 02 20:18:38 GMT 2022 KCOR End Calibration Script

WEATHER COMMENT: mcotter: Thu Jun 02 20:35:52 GMT 2022

Aerosols are picking up a little bit, but the day remains beautiful and the sky so far remains clear.

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

Thu Jun 02 20:43:55 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal\_flat.cbk line 0

Thu Jun 02 20:59:06 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

GENERAL COMMENT BY mcotter: Thu Jun 02 21:04:34 GMT 2022

VOG is beginning to build at lower elevations and the base of Hu'ala'lai is now mostly obscured. The Kohala Coastline is obscured as well and the VOG has made its way into the Saddle Valley. Looking out across the horizon the inversion layer remains below the peak of Haleakala and the VOG appears to be at approximately the same level; perhaps 9000' to 10,000' elevation.

So far no clouds can be observed on the horizon and wind remains light out of the east.

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

Thu Jun 02 21:26:51 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Thu Jun 02 21:54:19 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Thu Jun 02 22:22:05 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal\_flat.cbk line 0

Thu Jun 02 22:37:16 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

GENERAL COMMENT BY mcotter: Thu Jun 02 22:40:55 GMT 2022

Manually rotated the dome slit opening to continue tracking the Sun through the afternoon.

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

Thu Jun 02 23:05:02 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Thu Jun 02 23:32:28 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

WEATHER COMMENT: mcotter: Thu Jun 02 23:34:27 GMT 2022

Aerosols are continuing to increase dramatically. The Kcor NRGF image has an excessively grainy, slightly blurry look to the image and the Kcor Quicklook Image has gotten blurry. The Kcor Quicklook image is also now showing a white circle in the image and is stating that the image is "Noisy".

I am going to continue observing for now but if the high aerosol level continues I will need to stop observing because the current images do not look acceptable.

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

WEATHER COMMENT: mcotter: Thu Jun 02 23:42:14 GMT 2022

Temp: 61.5f, Humidity: 35%, Pressure: 28.559in, Wind: 19mph from 58degs, Skies: The wind is picking up a bit and is getting quite gusty.

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

Thu Jun 02 23:59:56 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal\_flat.cbk line 0

Fri Jun 03 00:15:07 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

GENERAL COMMENT BY mcotter: Fri Jun 03 00:31:10 GMT 2022

The sky continued to grow bright with aerosols. Thought the Synoptic images don't look terrible the Kcor NRGF image has gotten excessively grainy and blurry. Additionally the Kcor Quicklook image is and Kcor Diff images are both poor showing large amounts of aerosols and the Quicklook image is showing a white circle in the image and stating that the data is "Noisy".

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

GENERAL COMMENT BY mcotter: Fri Jun 03 00:31:35 GMT 2022

The instruments have have shut down due to poor sky conditions.

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

GENERAL COMMENT BY mcotter: Fri Jun 03 00:32:38 GMT 2022

The day started off clear and remained so until early afternoon when aerosols became increasingly more prevalent to where the data was looking poor.

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

ONSITE STAFF: mcotter