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Mauna Loa Solar Observatory Observer's Log  
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Thu Jul 28 16:53:49 GMT 2022

Year: 22 Doy: 209

Observer: mlso

WEATHER COMMENT: mcotter: Thu Jul 28 16:55:28 GMT 2022

Temp: 41.2f, Humidity: 14%, Pressure: 28.774in, Wind: 3mph from 180 degs. Clear but haz y skies. The inversion layer is visible on the horizon well above Haleakala. Little to now wind. Frosty conditions at the science area.

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

GENERAL COMMENT BY mcotter: Thu Jul 28 16:55:36 GMT 2022

Opened windows upstairs

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

GENERAL COMMENT BY mcotter: Thu Jul 28 16:55:45 GMT 2022

PM Blew off UCOMP 01

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

GENERAL COMMENT BY mcotter: Thu Jul 28 16:55:55 GMT 2022

PM Blew off Kcor 01

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

Thu Jul 28 16:59:28 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal\_flat.cbk line 0

Thu Jul 28 17:01:54 GMT 2022 Kcor Focus/alignment program exited

Thu Jul 28 17:01:54 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal\_flat.cbk line 2

UCOMP COMMENT BY mcotter: Thu Jul 28 17:03:38 GMT 2022

The Ucomp instrument is now observing.

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

KCOR COMMENT BY mcotter: Thu Jul 28 17:04:09 GMT 2022

The Kcor instrument is now observing.

Polarization checked good.

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

Thu Jul 28 17:21:35 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Thu Jul 28 17:59:57 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Thu Jul 28 18:38:20 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Thu Jul 28 19:16:32 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal\_flat.cbk line 0

Thu Jul 28 19:37:08 GMT 2022 Running UCOMP Cookbook waves\_1074\_1hour.cbk line 0

\*\*\*EVENT COMMENT BY mcotter\*\*\* : Thu Jul 28 19:48:12 GMT 2022

Kcor Diff and NRGF images show elevated activity occurring at:

Approximate PA 260 deg.

Beginning approximately at 17:50:00 UT.

The activity is difficult to see in the Kcor NRGF images, unless specifically looking for it, but the Kcor Diff image clearly shows a Jet or narrow burst taking place. Increasing the frame speed of the Kcor NRGF Image helps enhance the movement of the anomaly to make it more visible.

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

Thu Jul 28 20:15:05 GMT 2022 Running UCOMP Cookbook waves\_1074\_1hour.cbk line 67

Thu Jul 28 20:19:10 GMT 2022 Running UCOMP Cookbook waves\_1074\_1hour.cbk line 73

Thu Jul 28 20:48:51 GMT 2022 Running UCOMP Cookbook waves\_1074\_1hour.cbk line 123

Thu Jul 28 20:51:31 GMT 2022 Running UCOMP Cookbook dark\_80ms\_2beam\_16sums\_BOTH.cbk line 0

Thu Jul 28 20:52:49 GMT 2022 Running UCOMP Cookbook 637\_Pol\_Calibrate.cbk line 0

WEATHER COMMENT: mcotter: Thu Jul 28 20:55:11 GMT 2022

Aerosol levels have been increasing since the start of observing this morning. Levels are quite high and are easily observed in the Kcor NRGF and Kcor Quicklook images.

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

Thu Jul 28 20:56:27 GMT 2022 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Thu Jul 28 20:56:53 GMT 2022 Running UCOMP Cookbook 706\_Pol\_Calibrate.cbk line 0

Thu Jul 28 21:00:59 GMT 2022 Running UCOMP Cookbook 789\_Pol\_Calibrate.cbk line 0

Thu Jul 28 21:05:12 GMT 2022 Running UCOMP Cookbook 1074\_Pol\_Calibrate.cbk line 0

Thu Jul 28 21:09:16 GMT 2022 Running UCOMP Cookbook 1079\_Pol\_Calibrate.cbk line 0

Thu Jul 28 21:11:41 GMT 2022 KCOR End Calibration Script

Thu Jul 28 21:13:20 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Thu Jul 28 21:51:52 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal\_flat.cbk line 0

Thu Jul 28 22:12:38 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

WEATHER COMMENT: mcotter: Thu Jul 28 22:16:14 GMT 2022

Orographic clouds have moved up from the Saddle Valley and the western slope of Maunaloa. The clouds have not reached the viewing area as yet but are close. The Kcor level 0 Synoptic images are beginning to get brighter and the Kcor NRGF and Quicklook images appear quite grainy due to the elevated aerosols associated with the Orographic clouds.

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

Thu Jul 28 22:31:30 GMT 2022 UCOMP Paused for clouds

WEATHER COMMENT: mcotter: Thu Jul 28 22:50:05 GMT 2022

The sky is now completely overcast and covered in clouds, some of them dark in color. The dome shutter doors and windows have been closed due to cloudy sky conditions and the possibility of precipitation.

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

Fri Jul 29 01:13:52 GMT 2022 UCOMP Restarted from pause

GENERAL COMMENT BY mcotter: Fri Jul 29 01:14:08 GMT 2022

The day began with clear skies and good observations were accomplished. By late morning, early afternoon, Orographic clouds moved up from the Saddle Valley and the sky became overcast quite quickly.

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

ONSITE STAFF: mcotter