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Mauna Loa Solar Observatory Observer's Log  
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Mon Mar 7 17:29:31 GMT 2022

Year: 22 Doy: 066

Observer: mlso

WEATHER COMMENT: mcotter: Mon Mar 07 17:32:28 GMT 2022

Temp: 39.5f, Humidity: 8%, Pressure: 28.7in, Wind: 8mph from 211deg, Skies: Apparently clear skies but very hazy with high altitude Cirrus scattered in different areas on the horizons. Heavy gray blue inversion layer visible on the horizon just above Haleakala

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

GENERAL COMMENT BY mcotter: Mon Mar 07 17:32:34 GMT 2022

Opened windows upstairs

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

GENERAL COMMENT BY mcotter: Mon Mar 07 17:32:43 GMT 2022

PM Blew off UCoMP 01

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

GENERAL COMMENT BY mcotter: Mon Mar 07 17:32:49 GMT 2022

PM Blew off Kcor 01

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

UCoMP COMMENT BY mcotter: Mon Mar 07 17:33:51 GMT 2022

Ucomp instrument now running.

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

Mon Mar 07 17:37:36 GMT 2022 Kcor Focus/alignment program exited

Mon Mar 07 17:44:48 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Mon Mar 07 17:55:18 GMT 2022 Kcor Focus/alignment program exited

**\*\*KCOR PROBLEM COMMENT BY mcotter\*\*** : Mon Mar 07 18:03:12 GMT 2022

I started the Kcor program but when the synoptic GUI was displayed it did not appear to be updating, even after waiting several minutes. Also a "Context Box" GUI kept appearing in the upper right hand corner of the monitor that I don't recall seeing before. I closed and exited the programs and restarted the Focus routine and it ran normally. I again tried running the Synoptic program and it appeared to start normally. A "Context Help" GUI continues to appear in the upper right corner but so far the Synoptic program appears to be running normally.

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

KCOR COMMENT BY mcotter: Mon Mar 07 18:03:51 GMT 2022

Kcor instrument now running.

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

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

Mon Mar 07 18:08:53 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 16

Mon Mar 07 18:13:58 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Mon Mar 07 18:41:46 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

WEATHER COMMENT: mcotter: Mon Mar 07 18:56:17 GMT 2022

Lots of high altitude Cirrus clouds forming over the western slope of Maunaloa and beginning to move into the vicinity of the observatory. So far now Cirrus to the east where we are currently observing.

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

Mon Mar 07 19:09:26 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal\_flat.cbk line 0

Mon Mar 07 19:24:42 GMT 2022 Running UCOMP Cookbook waves\_1074\_1hour.cbk line 0

Mon Mar 07 19:34:47 GMT 2022 UCoMP Paused for clouds

GENERAL COMMENT BY mcotter: Mon Mar 07 19:37:00 GMT 2022

Kcor and Ucomp have been paused due to sky conditions.

High altitude Cirrus clouds are now in the viewing area and obstructing the Sun.

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

Mon Mar 07 19:44:26 GMT 2022 UCoMP Restarted from pause

GENERAL COMMENT BY mcotter: Mon Mar 07 19:46:33 GMT 2022

The high altitude Cirrus clouds have dispersed and though the sky is still a bit bright both instruments are again on sky.

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

Mon Mar 07 19:56:29 GMT 2022 Running UCOMP Cookbook waves\_1074\_1hour.cbk line 37

Mon Mar 07 20:32:20 GMT 2022 Running UCOMP Cookbook waves\_1074\_1hour.cbk line 99

Mon Mar 07 20:43:49 GMT 2022 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Mon Mar 07 20:47:27 GMT 2022 Running UCOMP Cookbook no-occultor-flat.cbk line 0

Mon Mar 07 20:53:54 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Mon Mar 07 20:59:05 GMT 2022 KCOR End Calibration Script

GENERAL COMMENT BY mcotter: Mon Mar 07 21:09:12 GMT 2022

Aerosols are beginning to increase, as can be observed in the synoptic images. High altitude Cirrus clouds continue to form on the western horizon, though they appear to be stationary at this time.

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

Mon Mar 07 21:20:29 GMT 2022 UCoMP Paused for clouds

WEATHER COMMENT: mcotter: Mon Mar 07 21:21:58 GMT 2022

Aerosols have increased dramatically.

Kcor and Ucomp have been paused due to sky conditions.

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

WEATHER COMMENT: mcotter: Mon Mar 07 21:29:20 GMT 2022

The high altitude Cirrus clouds that were observed earlier to the west have made its way into the viewing area of the instruments and are now over the observatory. The high altitude Cirrus is stretching far over the west-southwest horizon and looks like it will be around for a while.

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

GENERAL COMMENT BY mcotter: Mon Mar 07 23:41:02 GMT 2022

Lubricated RA mechanism worm and spur gear.

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

WEATHER COMMENT: mcotter: Mon Mar 07 23:42:26 GMT 2022

Additional clouds have moved into the area of the observatory from the Saddle Valley.

The dome shutter doors and windows have been closed in the event of precipitation.

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

WEATHER COMMENT: mcotter: Tue Mar 08 01:02:26 GMT 2022

The sky has become completely overcast with some low level clouds and fog moving into the area.

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

Tue Mar 08 01:03:07 GMT 2022 UCoMP Restarted from pause

GENERAL COMMENT BY mcotter: Tue Mar 08 01:48:10 GMT 2022

The day started out good but clouds and aerosols came in the early afternoon and instruments were stopped. High altitude Cirrus was prevalent most of the days with small gaps at times.

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

ONSITE STAFF: mcotter