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Mauna Loa Solar Observatory Observer's Log  
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Tue Jul 6 16:46:01 GMT 2021

Year: 21 Doy: 187

Observer: mlso

WEATHER COMMENT: mcotter: Tue Jul 06 16:50:31 GMT 2021

Temp: 51.1f, Humidity: 22%, Pressure: 28.678in, Wind: 4mph from 120degs, Skies: Heavy cloud coverage in the Saddle Valley with fog, rain and mist to approximately 8,500' elevation. Hazy skies with high altitude Cirrus and Cirrostratus clouds covering the entire sky.

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

GENERAL COMMENT BY mcotter: Tue Jul 06 16:52:21 GMT 2021

The Current sky conditions are poor and we are unable to operate the instruments at this time. The dome will remain closed until conditions improve.

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

GENERAL COMMENT BY mcotter: Tue Jul 06 18:02:19 GMT 2021

Opened windows upstairs

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

GENERAL COMMENT BY mcotter: Tue Jul 06 18:02:29 GMT 2021

PM Blew off UCOMP 01

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

GENERAL COMMENT BY mcotter: Tue Jul 06 18:02:35 GMT 2021

PM Blew off Kcor 01

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

Tue Jul 06 18:10:03 GMT 2021 Kcor Focus/alignment program exited

GENERAL COMMENT BY mcotter: Tue Jul 06 18:16:44 GMT 2021

The bands of high altitude Cirrus and Cirrostratus clouds are still quite prevalent across the sky but they have faded somewhat and there appears to be a band of blue sky intermixed with the clouds. I opened the dome.

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

KCOR COMMENT BY mcotter: Tue Jul 06 18:22:15 GMT 2021

I started Kcor and ran the focus routine. The sky is still very bright but after many attempts I was able to obtain a reasonably well shaped parabola. I attempted to start running the Kcor Stand Alone Image Acquisition (SAIA) program but the sky remains much too bright at this time to run the instrument.

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

UCOMP COMMENT BY mcotter: Tue Jul 06 18:25:01 GMT 2021

I started the Ucomp Controller program but when I switched to Center Occulter the image immediately became over saturated with light. The sky remains much too bright at this time to run the instrument.

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

KCOR COMMENT BY mcotter: Tue Jul 06 19:11:16 GMT 2021

Kcor up and running.

SGS offsets: X(RA): -130, Y(Dec): 90.

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

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

UCOMP COMMENT BY mcotter: Tue Jul 06 19:11:40 GMT 2021

Ucomp up and running.

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

Tue Jul 06 20:00:04 GMT 2021 Kcor Focus/alignment program exited

WEATHER COMMENT: mcotter: Tue Jul 06 21:17:45 GMT 2021

Large bands of Cirrus and Cirrocumulus clouds have moved in from the west-southwest and are now covering the sky above the observatory. The wind is light and out of the north-northwest. Orthographic clouds are currently forming on the northwest slope of Maunaloa.

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

KCOR COMMENT BY mcotter: Tue Jul 06 21:18:38 GMT 2021

Kcor has ben stopped for now because of cloud coverage obscuring the viewing area.

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

UCOMP COMMENT BY mcotter: Tue Jul 06 21:19:24 GMT 2021

Ucomp has been paused for now because clouds are obscuring the viewing area.

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

WEATHER COMMENT: mcotter: Tue Jul 06 22:47:14 GMT 2021

The sky continues to be completely covered with Cirrostratus and Cirrocumulus clouds. Clouds are continuing to increase in coverage and Orthographic clouds have increased on the northwest slope of Maunaloa and are beginning to encroach on the observatory area.

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

GENERAL COMMENT BY mcotter: Tue Jul 06 23:13:50 GMT 2021

The sky continues to be overcast with high altitude Cirrus and Cirrostratus. Orthographic clouds are nearing the observatory and increasing.

The dome shutter doors and windows are closed at this time.

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

ONSITE STAFF: berkey, mcotter