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Mauna Loa Solar Observatory Observer's Log  
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Mon Nov 2 16:57:44 GMT 2020

Year: 20 Doy: 307

Observer: mlso

WEATHER COMMENT: mcotter: Mon Nov 02 17:00:43 GMT 2020

Temp: 43.6f, Humidity: 21%, Pressure: 28.8in, Wind: 7mph from 179degs, Skies: Hazy skies with a very visible inversion layer higher than Maunakea. Cirrus and Cirrostratus clouds covering most of the sky.

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

GENERAL COMMENT BY mcotter: Mon Nov 02 17:10:33 GMT 2020

Opened windows upstairs

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

GENERAL COMMENT BY mcotter: Mon Nov 02 17:10:41 GMT 2020

PM Blew off Kcor 01

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

GENERAL COMMENT BY mcotter: Mon Nov 02 17:21:55 GMT 2020

Thick hazy clouds on the horizon. Not able to start observing at this time.

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

Mon Nov 02 17:47:23 GMT 2020 Kcor Focus/alignment program exited

GENERAL COMMENT BY mcotter: Mon Nov 02 17:48:34 GMT 2020

Thick hazy clouds visible on the horizon. Unable to observe at this time.

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

Mon Nov 02 18:19:14 GMT 2020 Kcor Focus/alignment program exited

GENERAL COMMENT BY mcotter: Mon Nov 02 18:43:52 GMT 2020

Cirrus and Altocumulus clouds present over entire sky. Unable to observe at this time.

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

GENERAL COMMENT BY mcotter: Mon Nov 02 20:27:25 GMT 2020

Cloud coverage is increasing, closed dome shutter doors and windows in case of precipitation.

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

GPS COMMENT by MLSO: Mon Nov 02 21:45:11 GMT 2020

Successfully logged in to system

Good disk mount

GPS software running

Last 5 GPS data files are:

/mnt/usb/dataoutiq\_2020\_302\_2145.bin 2147483647

/mnt/usb/dataoutiq\_2020\_303\_2145.bin 2147483647

/mnt/usb/dataoutiq\_2020\_304\_2145.bin 2147483647

/mnt/usb/dataoutiq\_2020\_305\_2145.bin 2147483647

/mnt/usb/dataoutiq\_2020\_306\_2145.bin 2147483647

Disk usage: /dev/sdal 916.9G 208.5G 661.8G 24% /mnt/usb

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

GENERAL COMMENT BY mcotter: Mon Nov 02 22:14:16 GMT 2020

Opened windows upstairs

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

GENERAL COMMENT BY mcotter: Mon Nov 02 22:14:54 GMT 2020

Opened dome shutter doors and aligned the Spar.

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

Mon Nov 02 22:16:11 GMT 2020 Kcor Focus/alignment program exited

GENERAL COMMENT BY mcotter: Mon Nov 02 22:18:49 GMT 2020

The sky is very bright with lots of aerosols. I ran the Focus routine and was able to get an acceptable parabola. Kcor is now running.

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

GENERAL COMMENT BY mcotter: Mon Nov 02 22:26:42 GMT 2020

Cirrus clouds forming sporadically over the observatory and to the South. The Kcor images appear to be bright but I am going to let Kcor run in the hope that the sky stays clear enough.

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

GENERAL COMMENT BY mcotter: Mon Nov 02 22:28:35 GMT 2020

Readjusted occulter position using smaller Kcor Synoptic Acquisition images.

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

GENERAL COMMENT BY mcotter: Mon Nov 02 22:32:17 GMT 2020

Cumulus clouds forming to the North, East and Southeast.

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

GENERAL COMMENT BY mcotter: Mon Nov 02 22:43:07 GMT 2020

Thickening cloud coverage; pausing Kcor.

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

GENERAL COMMENT BY mcotter: Mon Nov 02 23:06:06 GMT 2020

Dark grey clouds are now covering most of the summit of Maunaloa. Closed dome shutter doors and windows.

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

GENERAL COMMENT BY mcotter: Mon Nov 02 23:32:49 GMT 2020

Clouds have thickened. Fog and sprinkles of rain have moved in.

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

GENERAL COMMENT BY mcotter: Tue Nov 03 01:04:35 GMT 2020

The morning sky was hazy and had several layers of clouds across the sky. Briefly around 11:30am HST the clouds broke up long enough to observe for a little while. Thick clouds began to form overhead, so I closed the dome shutter doors and windows. An hour or so went by and the skies briefly cleared again so I reopened the dome and was able to observe for a short time. Later thick clouds formed over the entire summit of Maunaloa. I closed the dome shutter doors and window again, and the weather worsened with dense cloud coverage, fog and precipitation.

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

ONSITE STAFF: mcotter