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Mauna Loa Solar Observatory Observer's Log  
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Mon Nov 9 17:00:45 GMT 2020

Year: 20 Doy: 314

Observer: mlso

WEATHER COMMENT: mcotter: Mon Nov 09 17:03:07 GMT 2020

Temp: 47.6f, Humidity: 7%, Pressure: 28.656in, Wind: 7mph from 170degs, Skies: Heavy rain on the drive up to the observatory. Cirrus cloud bands are crossing the sky in various locations.

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

GENERAL COMMENT BY mcotter: Mon Nov 09 17:10:41 GMT 2020

Opened windows upstairs

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

GENERAL COMMENT BY mcotter: Mon Nov 09 17:10:47 GMT 2020

PM Blew off Kcor 01

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

GENERAL COMMENT BY mcotter: Mon Nov 09 17:34:32 GMT 2020

Tried running the Focus routine but the sky is much too bright because of the presence of Cirrus cloud bands on the horizon. Will try again if the sky shows signs of clearing.

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

GENERAL COMMENT BY mcotter: Mon Nov 09 18:21:31 GMT 2020

Cirrus and Cirrostratus clouds covering much of the sky, particularly across our viewing area. Cannot observe at this time

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

Mon Nov 09 20:38:33 GMT 2020 Kcor Focus/alignment program exited

GENERAL COMMENT BY mcotter: Mon Nov 09 20:42:25 GMT 2020

Cloud coverage has thinned out and greatly diminished. Patches of clouds still present, but I was able to run the Focus routine and obtain a decent parabola. Kcor now running 11:40am HST.

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

GENERAL COMMENT BY mcotter: Mon Nov 09 20:45:33 GMT 2020

Re-adjusted occulter position.

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

GENERAL COMMENT BY mcotter: Mon Nov 09 20:48:28 GMT 2020

\*CORRECTION\*

Kcor started at 10:40am HST not 11:40am HST.

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

GENERAL COMMENT BY mcotter: Mon Nov 09 21:07:47 GMT 2020

Re-adjusted occulter position.

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

GENERAL COMMENT BY mcotter: Mon Nov 09 21:18:04 GMT 2020

Re-adjusted occulter position.

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

Mon Nov 09 21:25:51 GMT 2020 Kcor Focus/alignment program exited

GENERAL COMMENT BY mcotter: Mon Nov 09 21:27:32 GMT 2020

Re-ran the Focus routine and obtained a much better parabola.

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

Mon Nov 09 21:28:17 GMT 2020 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Mon Nov 09 21:43:32 GMT 2020 KCOR End Calibration Script

GPS COMMENT by MLSO: Mon Nov 09 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\_308\_2145.bin 2147483647

/mnt/usb/dataoutiq\_2020\_310\_2146.bin 2147483647

/mnt/usb/dataoutiq\_2020\_312\_1713.bin 2147483647

/mnt/usb/dataoutiq\_2020\_313\_1713.bin 2147483647

/mnt/usb/dataoutiq\_2020\_314\_1713.bin 640923560

Disk usage: /dev/sdal 916.9G 219.6G 650.7G 25% /mnt/usb

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

GENERAL COMMENT BY mcotter: Mon Nov 09 22:22:48 GMT 2020

Cirrus clouds forming over the observatory. Pausing Kcor.

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

GENERAL COMMENT BY mcotter: Mon Nov 09 22:54:04 GMT 2020

Clouds are increasing. Stopped Kcor until sky clears.

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

GENERAL COMMENT BY mcotter: Mon Nov 09 23:27:17 GMT 2020

Clouds have broken up. Restarted Kcor.

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

GENERAL COMMENT BY mcotter: Mon Nov 09 23:27:34 GMT 2020

Re-adjusted occulter.

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

GENERAL COMMENT BY mcotter: Tue Nov 10 00:47:09 GMT 2020

Re-adjusted occulter position.

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

GENERAL COMMENT BY mcotter: Tue Nov 10 01:55:48 GMT 2020

Sky has become very bright. Unable to observe. Shutting down Kcor.

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

GENERAL COMMENT BY mcotter: Tue Nov 10 02:04:56 GMT 2020

A bit cloudy in the early morning, but clouds cleared and was able to start observing around 10:40am HST. Over all decent day for observing.

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

ONSITE STAFF: mcotter