
Mauna Loa Solar Observatory Observer's Log

Sat Nov 7 17:38:47 GMT 2020

Year: 20 Doy: 312

Observer: mlso

Sat Nov 07 17:42:22 GMT 2020 Kcor Focus/alignment program exited

WEATHER COMMENT: mcotter: Sat Nov 07 18:17:10 GMT 2020

Temp: 54.7f, Humidity: 14%, Pressure: 28.63in, Wind: 9mph from 92deg, Skies: Cloudy on the horizon, but generally clear skies overhead.

____end____

GENERAL COMMENT BY mcotter: Sat Nov 07 18:21:26 GMT 2020

Yesterday there was a power outage and all systems were shutdown. This morning when I came in I texted Ben to call me when he was up so that I could restart all systems. Ben called me right back and he instructed me in how to get all the computers up and running. All systems came back with no problem with the exception of the weather satellite image. I found one online (not the same one as before) and put it on the TV screen.

____end____

GENERAL COMMENT BY mcotter: Sat Nov 07 18:21:36 GMT 2020

Opened windows upstairs

____end____

GENERAL COMMENT BY mcotter: Sat Nov 07 18:21:41 GMT 2020

PM Blew off Kcor 01

____end____

GENERAL COMMENT BY mcotter: Sat Nov 07 18:22:22 GMT 2020

Ran Focus routine and got a nicely shaped parabola. Kcor now running.

____end____

Sat Nov 07 19:32:20 GMT 2020 Kcor Focus/alignment program exited

GENERAL COMMENT BY mcotter: Sat Nov 07 19:35:05 GMT 2020

Ran Focus routine and got a nicely shaped parabola. Kcor running.

____end____

Sat Nov 07 19:36:35 GMT 2020 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Sat Nov 07 19:51:46 GMT 2020 KCOR End Calibration Script

Sat Nov 07 21:07:25 GMT 2020 Kcor Focus/alignment program exited

GENERAL COMMENT BY mcotter: Sat Nov 07 21:10:11 GMT 2020

Readjusted occulter position. Ran Focus routine and got a decent parabola. Kcor running.

____end____

GPS COMMENT by MLSO: Sat Nov 07 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_306_2145.bin 2147483647

/mnt/usb/dataoutiq_2020_307_2145.bin 2147483647

/mnt/usb/dataoutiq_2020_308_2145.bin 2147483647

/mnt/usb/dataoutiq_2020_310_2146.bin 2147483647

/mnt/usb/dataoutiq_2020_312_1713.bin 654122976

Disk usage: /dev/sdal 916.9G 215.4G 654.9G 25% /mnt/usb

____end____

Sat Nov 07 21:50:15 GMT 2020 Kcor Focus/alignment program exited

GENERAL COMMENT BY mcotter: Sat Nov 07 21:55:07 GMT 2020

Realigned occulter and re-ran Focus routine. A good parabola was gotten. Kcor running.

____end____

GENERAL COMMENT BY mcotter: Sat Nov 07 23:33:52 GMT 2020

Orographic clouds have formed on the western slope of Maunaloa and have pushed up to the summit. Clouds are forming over the observatory. Shutting down Kcor.

____end____

GENERAL COMMENT BY mcotter: Sat Nov 07 23:52:01 GMT 2020

Cloud coverage over the observatory and the summit has increased dramatically. Closing the dome shutter doors and windows in case of precipitation.

____end____

GENERAL COMMENT BY mcotter: Sun Nov 08 01:39:19 GMT 2020

Clouds have retreated and the skies have cleared. Started Kcor.

____end____

GENERAL COMMENT BY mcotter: Sun Nov 08 02:06:16 GMT 2020

Realigned occulter.

____end____

GENERAL COMMENT BY mcotter: Sun Nov 08 02:08:05 GMT 2020

After aligning occulter the keyboard and mouse stopped working. I ended up power cycling the KVM computer a couple of times and it finally seemed to work.

____end____

GENERAL COMMENT BY mcotter: Sun Nov 08 02:11:25 GMT 2020

I was able to take about forty minutes of additional data, but unfortunately clouds are beginning to form on the western slope of Maunaloa and obscuring our view of the Sun. I have stopped Kcor, but will continue to keep the dome open in case it clears again.

____end____

GENERAL COMMENT BY mcotter: Sun Nov 08 02:30:38 GMT 2020

Clouds are increasing to the west and north. The clouds to the north are moving in rapidly toward the observatory. Shutting down kcor and closing up dome.

____end____

GENERAL COMMENT BY mcotter: Sun Nov 08 02:37:51 GMT 2020

Overall decent day of observing. Collected data most of the morning. Clouds began forming late morning early afternoon and needed to pause and close the dome until later in the afternoon when the clouds diminished. Additional data was taken in the late afternoon.

____end____

ONSITE STAFF: mcotter