
Mauna Loa Solar Observatory Observer's Log

Sat Jul 3 16:53:46 GMT 2021

Year: 21 Doy: 184

Observer: mlso

Sat Jul 03 16:56:27 GMT 2021 Kcor Focus/alignment program exited

WEATHER COMMENT: mcotter: Sat Jul 03 16:57:48 GMT 2021

Temp: 44.9f, Humidity: 35%, Pressure: 28.683in, Wind: 13mph from 118degs, Skies: Clear skies with clouds on the lower horizon to the east, north and west. Clouds, fog, mist and rain in the valley to approximately 7,000'. Inversion layer visible on horizon to approximately at or below Haleakala.

____end____

UCoMP COMMENT BY mcotter: Sat Jul 03 16:59:24 GMT 2021

Ucomp up and running.

____end____

KCOR COMMENT BY mcotter: Sat Jul 03 17:01:20 GMT 2021

Kcor up and running.

SGS offsets: X(RA): -125, Y(Dec): 105.

Polarization checked: Mid, Bright, Dark, Mid.

____end____

GENERAL COMMENT BY mcotter: Sat Jul 03 17:01:26 GMT 2021

Opened windows upstairs

____end____

GENERAL COMMENT BY mcotter: Sat Jul 03 17:01:34 GMT 2021

PM Blew off UCoMP 01

____end____

GENERAL COMMENT BY mcotter: Sat Jul 03 17:01:41 GMT 2021

PM Blew off Kcor 01

____end____

WEATHER COMMENT: mcotter: Sat Jul 03 17:06:08 GMT 2021

Wind is a bit gusty with sustained winds > 16 mph blowing from the southeast.

____end____

****Possible CME in Progress mcotter**** : Sat Jul 03 17:54:20 GMT 2021

Possible CME seen launching near PA:290 deg at time 17:06:08 UT.

____end____

WEATHER COMMENT: mcotter: Sat Jul 03 18:00:08 GMT 2021

There is a steady wind blowing from the east that is at times gusty. I can see buffeting of the spar in the SGS error traces that I suspect are from gusty winds, as the current sustained winds are > 20 mph. The spar is still pointing relatively low on the horizon, but once it gets up a little more I will try using the dome shutter lower door as a wind screen to see if it will help with the spar buffeting.

____end____

Sat Jul 03 20:00:46 GMT 2021 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Sat Jul 03 20:16:03 GMT 2021 KCOR End Calibration Script

GENERAL COMMENT BY mcotter: Sat Jul 03 21:34:23 GMT 2021

The wind has declined a little since this morning but it is still blowing steady from the east with sustained winds > 15 mph with higher gust at times. I have closed the dome shutter lower door and the windows facing the east in an attempt to allay the wind buffeting the spar.

____end____

WEATHER COMMENT: mcotter: Sat Jul 03 21:35:06 GMT 2021

Temp: 56.3f, Humidity: 13%, Pressure: 28.693in, Wind: 17mph from 104degs, Skies: Orthographic clouds are forming to the north and west.

____end____

Sat Jul 03 22:23:41 GMT 2021 Kcor Focus/alignment program exited

Sat Jul 03 22:28:12 GMT 2021 Kcor Focus/alignment program exited

WEATHER COMMENT: mcotter: Sat Jul 03 23:59:04 GMT 2021

Temp: 58.1f, Humidity: 14%, Pressure: 28.657in, Wind: 21mph from 69degs, Skies: Orthographic clouds continue to increase on the north and west horizons with some additional clouds creeping up over the summit to the south. So far they are holding steady in the distance. Aerosols have increased dramatically and are quite visible in the Kcor NRGF image.

____end____

Sun Jul 04 00:15:10 GMT 2021 Kcor Focus/alignment program exited

KCOR COMMENT BY mcotter: Sun Jul 04 00:19:17 GMT 2021

The Kcor NRGF image was getting progressively worse looking with aerosols. I stopped the program and ran the focus routine again. After multiple attempts I finally got a well shaped parabola. Hopefully this action will translate into better resolution in the NRGF imagery.

____end____

GONG COMMENT BY mcotter: Sun Jul 04 00:24:39 GMT 2021

Opened GONG trailer door.

____end____

GENERAL COMMENT BY mcotter: Sun Jul 04 03:26:32 GMT 2021

Clear skies all day, though there were a lot of aerosols in the afternoon.

The wind was a bit gusty at times, but not too bad.

CME this morning!

Good day for taking data!

____end____

ONSITE STAFF: mcotter