
Mauna Loa Solar Observatory Observer's Log

Mon May 3 16:49:33 GMT 2021

Year: 21 Doy: 123

Observer: mlso

WEATHER COMMENT: mcotter: Mon May 03 16:51:48 GMT 2021

Temp: 41.5f, Humidity: 14%, Pressure: 28.738in, Wind: 5mph from 76degs, Skies: Clear but hazy skies. High inversion layer above Maunakea. Cannot see Haleakala on the horizon. Wisps of high altitude Cirrus scattered in different areas of the sky, mostly to the north.

____end____

GENERAL COMMENT BY mcotter: Mon May 03 16:51:55 GMT 2021

Opened windows upstairs

____end____

GENERAL COMMENT BY mcotter: Mon May 03 16:52:00 GMT 2021

PM Blew off Kcor 01

____end____

Mon May 03 16:58:39 GMT 2021 Kcor Focus/alignment program exited

GENERAL COMMENT BY mcotter: Mon May 03 17:03:15 GMT 2021

Kcor now running.

Sky is bright.

SGS off sets: X(RA): -115, Y(Dec): 70.

Checked Polarization: Mid, Bright, Dark, Mid.

____end____

****Possible CME in Progress mcotter**** : Mon May 03 21:22:27 GMT 2021

Possible CME seen launching near PA:250deg at time 20:45 UT

____end____

WEATHER COMMENT: mcotter: Mon May 03 22:59:39 GMT 2021

Temp: 50.2f, Humidity: 56%, Pressure: 28.734in, Wind: 10mph from 355degs, Skies: Orthographic clouds have formed on the western slope of Maunaloa and are now moving into the viewing area.

____end____

GENERAL COMMENT BY mcotter: Mon May 03 23:00:45 GMT 2021

Kcor now paused.

____end____

GENERAL COMMENT BY mcotter: Tue May 04 02:14:52 GMT 2021

The morning was decent enough to take data, though the sky was a little bright. Clouds began to move in around noon and then the weather continued to worsen through the afternoon. Now it is foggy with rain and drizzle.

____end____

GENERAL COMMENT BY mcotter: Tue May 04 02:22:29 GMT 2021

Worked on Ucomp for most of the afternoon. The hardware for the adjustable optic rail was showing signs of gouging when we attempted to make adjustment to the kinematic jacks, jam nuts and hold down socket head cap screws. We changed one of the kinematic jacks with a new one and applied a thin film of grease to the rest of the hardware to help prevent gouging. We left off by applying a penetrating oil to the socket head cap screws that bolt the optic bench to the spar. We were unable to continue with the alignment because the Sun became obscured by clouds. We will continue in the morning.

____end____

ONSITE STAFF: berkey, mcotter