

-----  
Mauna Loa Solar Observatory Observer's Log  
-----

Fri Apr 30 16:40:35 GMT 2021

Year: 21 Doy: 120

Observer: mlso

WEATHER COMMENT: mcotter: Fri Apr 30 16:42:23 GMT 2021

Temp: 48.8f, Humidity: 6%, Pressure: 28.734in, Wind: 5mph from 113deg, Skies: Mostly clear skies but it is a bit hazy in the valley and on the horizon. Inversion layer visible on the horizon at or above Maunakea.

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

GENERAL COMMENT BY mcotter: Fri Apr 30 16:42:31 GMT 2021

Opened windows upstairs

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

GENERAL COMMENT BY mcotter: Fri Apr 30 16:42:38 GMT 2021

PM Blew off Kcor 01

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

Fri Apr 30 16:58:21 GMT 2021 Kcor Focus/alignment program exited

GENERAL COMMENT BY mcotter: Fri Apr 30 17:04:43 GMT 2021

Kcor now running, though the sky is a bit bright.

SGS offsets: X(RA): -110, Y(Dec): 70.

Checked polarization: Mid, Bright, Dark, Mid.

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

GENERAL COMMENT BY mcotter: Fri Apr 30 17:26:35 GMT 2021

Bullet holes are present in the Kcor image.

I again blew off the Kcor 01 lens to see im this condition improves.

I did notice some artifacts on the Kcor 01 lens that did not get removed with the compressed air.

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

Fri Apr 30 19:27:01 GMT 2021 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Fri Apr 30 19:42:16 GMT 2021 KCOR End Calibration Script

Fri Apr 30 20:28:31 GMT 2021 Kcor Focus/alignment program exited

Fri Apr 30 20:34:38 GMT 2021 Kcor Focus/alignment program exited

GENERAL COMMENT BY mcotter: Fri Apr 30 22:40:45 GMT 2021

I blew off the Kcor 01 lens again to see if I could remove the bullet holes that are present in the Kcor image. Additionally I blew off the field lens to see if this would help. Waiting for image updates to see if there was any positive effect.

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

GENERAL COMMENT BY mcotter: Sat May 01 01:53:24 GMT 2021

Kcor image showing lots of aerosols and the sky is getting quite bright.

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

GENERAL COMMENT BY mcotter: Sat May 01 02:18:09 GMT 2021

The Kcor images show lots of aerosols and are getting very bright.

Kcor has been stopped.

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

GENERAL COMMENT BY mcotter: Sat May 01 02:20:19 GMT 2021

The skies were clear all day, but there were high amounts of aerosols present throughout the day that showed up in the images.

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

ONSITE STAFF: mcotter