

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

Wed Apr 28 16:33:52 GMT 2021

Year: 21 Doy: 118

Observer: berkey

WEATHER COMMENT: berkey: Wed Apr 28 16:33:59 GMT 2021

Temp: 39.8f, Humidity: 53%, Pressure: 28.65in, Wind: 9mph from 252degs, Skies: patchy cirrus

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

GENERAL COMMENT BY berkey: Wed Apr 28 16:34:03 GMT 2021

Opened windows upstairs

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

GENERAL COMMENT BY berkey: Wed Apr 28 16:34:07 GMT 2021

PM Blew off Kcor O1

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

Wed Apr 28 18:44:54 GMT 2021 Kcor Focus/alignment program exited

KCOR COMMENT BY berkey: Wed Apr 28 18:49:31 GMT 2021

Trying to take a couple frames between the denser cirrus.

Looks like sky might be a little too bright.

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

KCOR COMMENT BY berkey: Thu Apr 29 01:51:45 GMT 2021

No kcor data today. Cirrus never broke.

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

UCoMP COMMENT BY berkey: Thu Apr 29 02:06:25 GMT 2021

Between ticker cirrus clouds there was an attempt to align UCoMP.

Using the kenamtic adjusters the the instrument plate was adjusted to give the best aligned possible on the field lens target. This alignment seemed to be robust against O1 moves front to back. Image also looked well centered on the modulator iris.

The alignment was not perfect on the cameras image; but solar was less than 50 pixels from the centered of the detector. With motion of <20 pixels across the O1 (0-62mm) focus range.

Overall most of this work was hampered due to constant changing cloud cover.

With semi-thick cirrus a dry run was done on measuring the wavelength offsets. This is probably not valuable data due to the cirrus and the strong likelihood we will continue the align the instrument, but it gave the chance to debug some of the recipes.

At the end of the day the airforce target was installed for a few images to a check for how well the current alignment is.

This data was taken at 1083. There was a mistake in the way the recipe was written so the fits file containing this data has both darks and airforce flats. After a quick look at the data I dont think our alignment is there yet.

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

ONSITE STAFF: berkey