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Mauna Loa Solar Observatory Observer's Log  
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Mon Apr 11 16:46:32 GMT 2022

Year: 22 Doy: 101

Observer: mlso

WEATHER COMMENT: mcotter: Mon Apr 11 16:50:31 GMT 2022

Temp: 37.3f, Humidity: 69%, Pressure: 28.776in, Wind: 6mph from 194degs, Skies: Large bands of Altocumulus clouds stretching across the entire sky, with streaks of high altitude Cirrus clouds visible through the breaks above them. Little to no wind. Pleasant and not too cold at the science center.

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

GENERAL COMMENT BY mcotter: Mon Apr 11 16:51:47 GMT 2022

The dome has been left closed at this time due to overcast sky conditions.

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

UCoMP COMMENT BY mcotter: Mon Apr 11 17:27:28 GMT 2022

O1#2 mounted in its lens cell and installed in the telescope for focus testing once the skies clear up.

O1#1 downstair for rinsing.

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

GENERAL COMMENT BY mcotter: Mon Apr 11 17:59:34 GMT 2022

PM Blew off Kcor O1

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

Mon Apr 11 18:05:14 GMT 2022 Running UCOMP Cookbook find\_focus.cbk line 0

UCoMP COMMENT BY mcotter: Mon Apr 11 18:07:31 GMT 2022

Conditions remain marginal with passing cirrus. Hoping to get at least 1 maybe 2 good ucomp find focus passes in before the skies get good enough for coronal observations.

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

Mon Apr 11 18:29:19 GMT 2022 Running UCOMP Cookbook find\_focus.cbk line 0

UCoMP COMMENT BY mcotter: Mon Apr 11 19:08:17 GMT 2022

Restart cookbook at 18:29, because I forgot to remove the cover and occulter from the beam. Data before that point will not have a solar image.

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

Mon Apr 11 19:32:04 GMT 2022 Running UCOMP Cookbook find\_focus.cbk line 0

Mon Apr 11 19:39:02 GMT 2022 Kcor Focus/alignment program exited

Mon Apr 11 19:43:42 GMT 2022 KCOR Start Synoptic Patrol

Mon Apr 11 19:58:35 GMT 2022 KCOR End Patrol

UCoMP COMMENT BY mcotter: Mon Apr 11 21:04:40 GMT 2022

UCoMP O1#1 reinstalled in the telescope.

(#2 back down stairs in the flow bench).

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

GENERAL COMMENT BY mcotter: Mon Apr 11 21:04:44 GMT 2022

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

GENERAL COMMENT BY mcotter: Mon Apr 11 21:06:59 GMT 2022

Now running the guider in the experimental 21Hz zeropoint update mode. This code was previously tested for 20 minutes on April 7th.

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

GENERAL COMMENT BY mcotter: Mon Apr 11 22:29:06 GMT 2022

Dome closed for clouds.

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

GENERAL COMMENT BY mcotter: Mon Apr 11 22:29:07 GMT 2022

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

UCoMP COMMENT BY mcotter: Mon Apr 11 22:46:19 GMT 2022

Installed yepkit mini usb relay on between the star tech hub and filter wheel usb cable .

If the filter wheel gets stuck again we attempt to power cycle it instead of unplugging it.

There is a script on the ucomp desktop called "reconnect filter wheel.bat" that should be run if the filter wheel is not moving to attempt to get it going again.

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

Mon Apr 11 22:54:39 GMT 2022 Running UCOMP Cookbook waves\_1074\_1hour.cbk line 0

GENERAL COMMENT BY mcotter: Tue Apr 12 03:19:21 GMT 2022

The day was mostly overcast with very brief periods where short breaks in the clouds occurred, but for the majority of the day little to no data was taken due to adverse sky conditions.

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

ONSITE STAFF: berkey, mcotter