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Mauna Loa Solar Observatory Observer's Log  
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Tue Mar 15 17:19:45 GMT 2022

Year: 22 Doy: 074

Observer: berkey

WEATHER COMMENT: mcotter: Tue Mar 15 17:21:33 GMT 2022

Temp: 41.8f, Humidity: 15%, Pressure: 28.763in, Wind: 8mph from 157degs, Skies: cirrus overcast in the east, mostly clear above but it looks like that window will close more cirrus coming in from the west as the day progresses.

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

UCOMP COMMENT BY mcotter: Tue Mar 15 18:39:07 GMT 2022

O1#2/Mount#1 pulled from the telescope in prep for swapping the glass into its new mount #2.

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

GENERAL COMMENT BY mcotter: Tue Mar 15 18:39:37 GMT 2022

Cirrus clearing a little trying for some kcor data

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

Tue Mar 15 18:40:01 GMT 2022 Kcor Focus/alignment program exited

GENERAL COMMENT BY mcotter: Tue Mar 15 21:02:00 GMT 2022

O1#2 Mount is missing heli-coils. So the O1#2 has but put back into its storage box.

O1#1 now in its proper mount and on the flow bench for cleaning.

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

GENERAL COMMENT BY mcotter: Tue Mar 15 22:55:01 GMT 2022

Heavy overcast.

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

UCOMP COMMENT BY mcotter: Tue Mar 15 23:43:38 GMT 2022

Updated ucomp config to add change the header for O1#1 and updated O1 focus positions in config file.

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

GENERAL COMMENT BY mcotter: Wed Mar 16 01:54:04 GMT 2022

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

KCOR COMMENT BY mlso: Wed Mar 16 02:12:18 GMT 2022

Fixed and tested the machine.log and socketcam log creations. Socketcam log shows up in /data/kcor/YYYYMMDD/ as yyyymmdd.log. The machine log should work as it did before.

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

UCOMP COMMENT BY mcotter: Wed Mar 16 02:15:02 GMT 2022

PM Washed UCOMP O1

Ucomp O1-#1, in mount #1 was thoroughly rinsed with ionized water on both sides in order to remove all particles and dust that were able to be freely removed from the lens surface with just a stream of water. After this was completed each side of the lens was meticulously cleaned using soap, water and a cotton ball, then again thoroughly rinsing with ionized water. The lens initially had multiple areas that need several attempts to remove artifacts that were identified during the cleaning and inspection process. After cleaning the lens a final inspection of the lens was performed by Ben, during which he identified multiple areas of the lens surface, both sides, that showed signs of permanent pitting and minute scratches. A couple of different areas, primarily along the outer area of the lens, contained surface patterns that had a shadowy "Speckled" appearance. These were deemed acceptable, but when time allows a cleaning of the lens using "First Contact" may be the appropriate method for removing these finer particles. Overall the lens looks much much better, though we unfortunately don't have any Sun at this time to run the instrument to make a proper assessment.

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

ONSITE STAFF: berkey, mcotter