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Mauna Loa Solar Observatory Observer's Log  
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Thu Jul 7 16:38:49 GMT 2022

Year: 22 Doy: 188

Observer: berkey

WEATHER COMMENT: berkey: Thu Jul 07 16:38:43 GMT 2022

Temp: 47.1f, Humidity: 21%, Pressure: 28.654in, Wind: 4mph from 165degs, Skies: patchy cirrus

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

GENERAL COMMENT BY berkey: Thu Jul 07 17:29:48 GMT 2022

PM Blew off Kcor 01

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

GENERAL COMMENT BY berkey: Thu Jul 07 17:29:52 GMT 2022

PM Blew off UCOMP 01

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

Thu Jul 07 17:30:49 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal\_flat.cbk line 0

Thu Jul 07 17:32:15 GMT 2022 Kcor Focus/alignment program exited

Thu Jul 07 17:34:29 GMT 2022 KCOR Start Synoptic Patrol

UCOMP COMMENT BY berkey: Thu Jul 07 17:42:56 GMT 2022

UCOMP Diffuser inspection; to try and deal with slight sloppiness in mechanism.

Found the diffuser moved slightly around the rotation axis. The tip of the diffuser moved about 1mm left/right when wiggled.

On taking apart the diffuser driver train, it was found that keyed shaft collar was the source of this slop. Tightened down the set screws reduced on the shaft collar greatly reduced the slop in the drive train. There is still a small amount of rotation slop, but overall the drive is a lot stiffer. While the covers were off, the screws that hold the mDrive motor were checked and were found to be slightly loose. The motor was still constrained by the screws and didn't move when it was pushed and pulled. For completeness the screws were tighten before closing up the box.

With the drive train reassembled, the keyed homes switch rotation flag was adjusted to find the best position to align the diffuser to the telescope.

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

Thu Jul 07 17:46:01 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Thu Jul 07 18:13:47 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Thu Jul 07 18:41:14 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Thu Jul 07 19:08:43 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal\_flat.cbk line 0

Thu Jul 07 19:23:53 GMT 2022 Running UCOMP Cookbook waves\_1074\_1hour.cbk line 0

Thu Jul 07 20:21:25 GMT 2022 UCOMP Paused for clouds

GENERAL COMMENT BY berkey: Thu Jul 07 20:21:23 GMT 2022

Sky brightening pausing instruments.

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

Thu Jul 07 20:33:25 GMT 2022 UCOMP Restarted from pause

Thu Jul 07 20:45:26 GMT 2022 Running UCOMP Cookbook waves\_1074\_1hour.cbk line 125

Thu Jul 07 20:46:58 GMT 2022 Running UCOMP Cookbook dark\_80ms\_2beam\_16sums\_BOTH.cbk line 0

Thu Jul 07 20:48:15 GMT 2022 Running UCOMP Cookbook 637\_Pol\_Calibrate.cbk line 0

Thu Jul 07 20:52:18 GMT 2022 Running UCOMP Cookbook 706\_Pol\_Calibrate.cbk line 0

Thu Jul 07 20:56:21 GMT 2022 Running UCOMP Cookbook 789\_Pol\_Calibrate.cbk line 0

Thu Jul 07 21:00:25 GMT 2022 Running UCOMP Cookbook 1074\_Pol\_Calibrate.cbk line 0

Thu Jul 07 21:04:37 GMT 2022 Running UCOMP Cookbook 1079\_Pol\_Calibrate.cbk line 0

Thu Jul 07 21:08:40 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Thu Jul 07 21:36:35 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal\_flat.cbk line 0

Thu Jul 07 21:51:46 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Thu Jul 07 22:12:43 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 14

GENERAL COMMENT BY berkey: Thu Jul 07 22:18:58 GMT 2022

New network equipment installed in the rack but not yet wired. Waiting on Boulder computer staff before cutting over.

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

Thu Jul 07 22:20:30 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Thu Jul 07 22:47:01 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 17

Thu Jul 07 22:49:32 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0  
Thu Jul 07 23:17:48 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal\_flat.cbk line 0  
Thu Jul 07 23:32:58 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0  
Fri Jul 08 00:00:44 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0  
Fri Jul 08 00:18:13 GMT 2022 UCOMP Paused for clouds  
Fri Jul 08 01:31:45 GMT 2022 UCOMP Restarted from pause  
ONSITE STAFF: berkey