
Mauna Loa Solar Observatory Observer's Log

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