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Mauna Loa Solar Observatory Observer's Log  
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Thu Jun 16 16:54:40 GMT 2022

Year: 22 Doy: 167

Observer: berkey

GENERAL COMMENT BY berkey: Thu Jun 16 16:54:41 GMT 2022

PM Blew off Kcor 01

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

GENERAL COMMENT BY berkey: Thu Jun 16 16:54:46 GMT 2022

PM Blew off Kcor Field Lens

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

WEATHER COMMENT: berkey: Thu Jun 16 16:54:52 GMT 2022

Temp: 45.2f, Humidity: 3%, Pressure: 28.631in, Wind: 17mph from 147degs, Skies: clear

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

Thu Jun 16 16:55:35 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal\_flat.cbk line 0

Thu Jun 16 16:57:59 GMT 2022 Kcor Focus/alignment program exited

Thu Jun 16 17:10:47 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Thu Jun 16 17:38:46 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

UCoMP COMMENT BY berkey: Thu Jun 16 17:46:11 GMT 2022

Inspected the cropico config. According to the front panel all rtds have the following config:

PT100

IEC751

R0=100

a=3850

3-wire

After visual inspection of the cables it appeared they were well seated. Cables were then pushed on to make sure they were completely; there was no indication that any of them moved.

After this inspection the TU\_MOD temp jumped from about 31.7 to 32.6 at 17:28UT

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

Thu Jun 16 18:06:27 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Thu Jun 16 18:35:21 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 18

Thu Jun 16 18:35:22 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal\_flat.cbk line 0

Thu Jun 16 18:50:36 GMT 2022 Running UCOMP Cookbook waves\_1074\_1hour.cbk line 0

GENERAL COMMENT BY berkey: Thu Jun 16 18:51:47 GMT 2022

PM Blew off Kcor 01

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

Thu Jun 16 19:18:17 GMT 2022 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Thu Jun 16 19:33:31 GMT 2022 KCOR End Calibration Script

Thu Jun 16 20:00:27 GMT 2022 Running UCOMP Cookbook dark\_80ms\_2beam\_16sums\_BOTH.cbk line 0

Thu Jun 16 20:01:44 GMT 2022 Running UCOMP Cookbook 637\_Pol\_Calibrate.cbk line 0

Thu Jun 16 20:02:42 GMT 2022 UCoMP Paused for clouds

Thu Jun 16 20:27:29 GMT 2022 UCoMP Restarted from pause

Thu Jun 16 20:30:43 GMT 2022 Running UCOMP Cookbook 706\_Pol\_Calibrate.cbk line 0

Thu Jun 16 20:31:11 GMT 2022 Running UCOMP Cookbook 637\_Pol\_Calibrate.cbk line 0

Thu Jun 16 20:34:56 GMT 2022 Running UCOMP Cookbook 706\_Pol\_Calibrate.cbk line 0

UCoMP COMMENT BY berkey: Thu Jun 16 20:38:28 GMT 2022

Inspected the UCoMP beam train to try understand where the extra light/signal in the east side of the images was coming from.

Inspection looked at the lyot stop; and found that the stop didn't visibly move and was still blocking the inner ring. There was a bright spec of dust or something near the edge of the ring, so they stop was closed down a little under .5mm to block that spot.

The field lens appeared to also be in the appropriate position with the adjustment adapter set to put the lens all the way toward the cameras (which was the best position we found during our focus run).

Before leaving the lyot area, the field lens and modulator were blown off to remove acc

umulated dust.

The felt baffles around the cameras with 2 layers of Thorlabs BK5 material.

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

Thu Jun 16 20:38:59 GMT 2022 Running UCOMP Cookbook 789\_Pol\_Calibrate.cbk line 0

UCOMP COMMENT BY berkey: Thu Jun 16 20:39:46 GMT 2022

While putting the felt around the cameras a visual inspection of the tcam cameralink cables showed the cables were properly seated. To avoid needing to do a new focus run the cables were not touched and reseated.

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

Thu Jun 16 20:43:03 GMT 2022 Running UCOMP Cookbook 1074\_Pol\_Calibrate.cbk line 0

Thu Jun 16 20:47:15 GMT 2022 Running UCOMP Cookbook 1079\_Pol\_Calibrate.cbk line 0

Thu Jun 16 20:51:19 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Thu Jun 16 21:20:47 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 18

Thu Jun 16 21:20:47 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal\_flat.cbk line 0

Thu Jun 16 21:36:11 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Thu Jun 16 22:03:59 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Thu Jun 16 22:31:30 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Thu Jun 16 22:59:01 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal\_flat.cbk line 0

Thu Jun 16 23:14:13 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Thu Jun 16 23:42:13 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Fri Jun 17 00:10:24 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Fri Jun 17 00:38:03 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal\_flat.cbk line 0

Fri Jun 17 00:53:15 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Fri Jun 17 01:21:03 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Fri Jun 17 01:48:36 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Fri Jun 17 02:16:07 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal\_flat.cbk line 0

Fri Jun 17 02:31:19 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

ONSITE STAFF: berkey