
Mauna Loa Solar Observatory Observer's Log

Mon Jul 18 16:30:53 GMT 2022

Year: 22 Doy: 199

Observer: berkey

WEATHER COMMENT: berkey: Mon Jul 18 16:31:03 GMT 2022

Temp: 45.1f, Humidity: 32%, Pressure: 28.754in, Wind: 9mph from 134deg, Skies: mostly clear with some patchy cirrus through out the sky.

____end____

GENERAL COMMENT BY berkey: Mon Jul 18 16:45:03 GMT 2022

Opened windows upstairs

____end____

GENERAL COMMENT BY berkey: Mon Jul 18 16:45:10 GMT 2022

PM Blew off UCOMP 01

____end____

GENERAL COMMENT BY berkey: Mon Jul 18 16:45:17 GMT 2022

PM Blew off Kcor 01

____end____

Mon Jul 18 16:49:14 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Mon Jul 18 16:59:22 GMT 2022 Kcor Focus/alignment program exited

Mon Jul 18 17:04:26 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Mon Jul 18 17:32:13 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Mon Jul 18 17:59:42 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Mon Jul 18 18:27:28 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Mon Jul 18 18:43:11 GMT 2022 Running UCOMP Cookbook waves_1074_1hour.cbk line 0

Mon Jul 18 18:55:31 GMT 2022 Running UCOMP Cookbook waves_1074_1hour.cbk line 21

****Possible CME in Progress reported by berkey**** : Mon Jul 18 19:03:26 GMT 2022

TIME: 17:41:00 UT

PA: 230 deg

WIDTH: 240 deg

Observers report with LOW confidence a CME at the time, position angle, and width noted .

This CME was initially observed on the Kcor Diff Image before being observed on the Kcor NRGF image. The Kcor NRGF image is faint and the CME may not have been witnessed with out the Kcor Diff Image bringing it to the observers attention.

____end____

Mon Jul 18 19:29:50 GMT 2022 UCOMP Paused for clouds

Mon Jul 18 19:34:49 GMT 2022 UCOMP Restarted from pause

Mon Jul 18 19:36:41 GMT 2022 Running UCOMP Cookbook waves_1074_1hour.cbk line 84

Mon Jul 18 19:45:23 GMT 2022 Running UCOMP Cookbook waves_1074_1hour.cbk line 98

Mon Jul 18 19:51:34 GMT 2022 Running UCOMP Cookbook waves_1074_1hour.cbk line 107

Mon Jul 18 19:56:55 GMT 2022 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Mon Jul 18 20:03:05 GMT 2022 Running UCOMP Cookbook dark_80ms_2beam_16sums_BOTH.cbk line 0

Mon Jul 18 20:04:22 GMT 2022 Running UCOMP Cookbook 637_Pol_Calibrate.cbk line 0

Mon Jul 18 20:08:25 GMT 2022 Running UCOMP Cookbook 706_Pol_Calibrate.cbk line 0

Mon Jul 18 20:12:10 GMT 2022 KCOR End Calibration Script

Mon Jul 18 20:12:28 GMT 2022 Running UCOMP Cookbook 789_Pol_Calibrate.cbk line 0

Mon Jul 18 20:16:33 GMT 2022 Running UCOMP Cookbook 1074_Pol_Calibrate.cbk line 0

Mon Jul 18 20:20:46 GMT 2022 Running UCOMP Cookbook 1079_Pol_Calibrate.cbk line 0

Mon Jul 18 20:24:49 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

WEATHER COMMENT: berkey: Mon Jul 18 20:38:55 GMT 2022

The sky is beginning to get a bit brighter, as can be observed in the Kcor Level 0 Synoptic images.

So far the images increasing level of brightness appears to be brightening from the center of the image, emanating near the occulter outward. The images still appear acceptable, but at some point the way in which this brightening is occurring it will begin to saturate the image quality of the coronal ring and degrade the data quality.

____end____

Mon Jul 18 20:39:39 GMT 2022 UCOMP Paused for clouds

WEATHER COMMENT: berkey: Mon Jul 18 20:51:15 GMT 2022

Bands of high altitude Cirrus clouds have been present since the start of the day, but it was mostly confined to the norther portion of the sky. Within the last hour or so th

e bands of Cirrus have been increasing, as well as a general brightening of the sky possibly due to a thin layer of very high altitude Cirrostratus clouds beginning to form. The Kcor level 0 images have gotten excessively bright with the brightness emanating from the center of the image. The coronal ring has become blurred and less defined in overall appearance.

Both Kcor and Ucomp have been paused due to brightening sky conditions.

____end____

Mon Jul 18 23:12:05 GMT 2022 UCoMP Restarted from pause

****EVENT COMMENT BY berkey**** : Mon Jul 18 23:19:00 GMT 2022

A Jet Streamer has been observed emanating from the corona at:

Universal Time: 19:00:05

Approximate PA: 135 Deg.

Approximate width: 10 Deg.

This Jet Streamer is faint and was identified using Kcor Diff and NRGF images.

____end____

Mon Jul 18 23:19:52 GMT 2022 UCoMP Paused for clouds

GENERAL COMMENT BY berkey: Mon Jul 18 23:22:07 GMT 2022

Both instruments were put back on sky and observing, but within minutes the sky became too bright to continue.

Kcor and Ucomp are both paused again due to bright sky conditions.

____end____

Tue Jul 19 02:10:59 GMT 2022 UCoMP Restarted from pause

GENERAL COMMENT BY berkey: Tue Jul 19 02:39:14 GMT 2022

Cirrus never broke.

____end____

UCoMP COMMENT BY berkey: Tue Jul 19 03:00:05 GMT 2022

Changed the manual aligned code so the X adjustment will be the same in cam0 and cam1.

I think I got the logic correct so left will now move the occulter to the left in both cam0 and cam0 (not right in both), but at least it will be the same direction which ever camera is being displayed.

This should fix the bug that pushing the left button in our normal alignments moved the occulter right.

____end____

ONSITE STAFF: berkey, mcotter