
Mauna Loa Solar Observatory Observer's Log

Thu Feb 10 17:37:40 GMT 2022

Year: 22 Doy: 041

Observer: berkey

WEATHER COMMENT: Observer: Thu Feb 10 17:38:05 GMT 2022

Temp: 43.1f, Humidity: 5%, Pressure: 28.715in, Wind: 8mph from 152deg, Skies: clear
____end____

UCoMP COMMENT BY Observer: Thu Feb 10 17:39:15 GMT 2022

Updated ucomp recipes and lyot filter wave offsets.

We are now taking all coronal lines and no chromosphere lines.

____end____

Thu Feb 10 18:00:53 GMT 2022 Kcor Focus/alignment program exited

Thu Feb 10 18:00:59 GMT 2022 Running UCOMP Cookbook dark_80ms_2beam_16sums_BOTH.cbk line 0

Thu Feb 10 18:02:16 GMT 2022 Running UCOMP Cookbook 530_Scan.cbk line 0

Thu Feb 10 18:02:50 GMT 2022 KCOR Start Synoptic Patrol

Thu Feb 10 18:04:27 GMT 2022 Running UCOMP Cookbook 637_Scan.cbk line 0

Thu Feb 10 18:06:20 GMT 2022 Running UCOMP Cookbook 691_Scan.cbk line 0

Thu Feb 10 18:09:11 GMT 2022 Running UCOMP Cookbook 706_Scan.cbk line 0

Thu Feb 10 18:11:00 GMT 2022 Running UCOMP Cookbook 789_Scan.cbk line 0

Thu Feb 10 18:12:50 GMT 2022 Running UCOMP Cookbook 1074_Scan.cbk line 0

Thu Feb 10 18:14:40 GMT 2022 Running UCOMP Cookbook 1079_Scan.cbk line 0

Thu Feb 10 18:16:29 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Thu Feb 10 18:48:59 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Thu Feb 10 19:14:10 GMT 2022 KCOR End Patrol

Thu Feb 10 19:14:11 GMT 2022 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Thu Feb 10 19:24:20 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 17

UCoMP PROBLEM COMMENT BY berkey : Thu Feb 10 19:25:49 GMT 2022

UCoMP O1 seems to have crashed and is not moving.

____end____

Thu Feb 10 19:29:28 GMT 2022 KCOR End Calibration Script

Thu Feb 10 19:29:44 GMT 2022 KCOR Start Synoptic Patrol

Thu Feb 10 19:29:45 GMT 2022 KCOR Start Synoptic Patrol

Thu Feb 10 19:32:34 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Thu Feb 10 21:27:04 GMT 2022 Running UCOMP Cookbook dark_80ms_2beam_16sums_BOTH.cbk line 0

Thu Feb 10 21:28:21 GMT 2022 Running UCOMP Cookbook 530_Pol_Calibrate.cbk line 0

Thu Feb 10 21:32:46 GMT 2022 Running UCOMP Cookbook 637_Pol_Calibrate.cbk line 0

Thu Feb 10 21:36:50 GMT 2022 Running UCOMP Cookbook 691_Pol_Calibrate.cbk line 0

Thu Feb 10 21:40:53 GMT 2022 Running UCOMP Cookbook 706_Pol_Calibrate.cbk line 0

Thu Feb 10 21:44:57 GMT 2022 Running UCOMP Cookbook 789_Pol_Calibrate.cbk line 0

Thu Feb 10 21:49:01 GMT 2022 Running UCOMP Cookbook 1074_Pol_Calibrate.cbk line 0

Thu Feb 10 21:53:05 GMT 2022 Running UCOMP Cookbook 1079_Pol_Calibrate.cbk line 0

Thu Feb 10 21:57:09 GMT 2022 Running UCOMP Cookbook waves_1074_1hour.cbk line 0

KCOR COMMENT BY berkey: Thu Feb 10 22:36:39 GMT 2022

Now that we are sending SGS updates on every image; it is pretty clear that the bullet holes (specifically in the SW) are moving w.r.t. to the corona across the field of view
.

I suspect this is showing the O1 tilting w.r.t. to the occulter/aft-end. Not sure if/how this is helpful to understanding the performance of the spar or coronagraphs.

____end____

Thu Feb 10 23:06:51 GMT 2022 Running UCOMP Cookbook dark_200_1sums_80ms.cbk line 0

Thu Feb 10 23:11:55 GMT 2022 Running UCOMP Cookbook no-occultor-flat.cbk line 0

Thu Feb 10 23:18:26 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Thu Feb 10 23:51:12 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

EVENT COMMENT BY berkey : Fri Feb 11 00:45:05 GMT 2022

Prominence eruption seen launching in the diff images near PA300 at UT22.

____end____

Fri Feb 11 01:17:26 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 32

Fri Feb 11 01:47:15 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

KCOR COMMENT BY berkey: Fri Feb 11 02:48:39 GMT 2022

Noticed the pointing on kcor ins't performing as well we would like as the aerosols increase..

Trying to change the threshold of which pixels we are using for the alignment. Was hard coded to 10,000counts. Now the threshold is available on the front panel and set to 20,000. By eye this appears to give a better results in the high aerosol regime we have this afternoon.

For further testing/need changes the threshold control is found just below the realtime image display.

____end____

ONSITE STAFF: berkey