
Mauna Loa Solar Observatory Observer's Log

Sun Apr 3 17:21:11 GMT 2022

Year: 22 Doy: 093

Observer: berkey

GENERAL COMMENT BY berkey: Sun Apr 03 17:26:05 GMT 2022

PM Blew off Kcor 01

____end____

GENERAL COMMENT BY berkey: Sun Apr 03 17:26:11 GMT 2022

PM Blew off UCOMP 01

____end____

WEATHER COMMENT: berkey: Sun Apr 03 17:26:19 GMT 2022

Temp: 41.8f, Humidity: 14%, Pressure: 28.819in, Wind: 2mph from 253degs, Skies: clear

____end____

Sun Apr 03 17:26:51 GMT 2022 Running UCOMP Cookbook poor-weather-coronal-with-flats.cbk
line 0

Sun Apr 03 17:28:12 GMT 2022 Kcor Focus/alignment program exited

Sun Apr 03 17:32:47 GMT 2022 KCOR Start Synoptic Patrol

Sun Apr 03 17:36:45 GMT 2022 Running UCOMP Cookbook poor-weather-coronal-with-flats.cbk
line 0

UCOMP COMMENT BY berkey: Sun Apr 03 17:59:24 GMT 2022

UCOMP 01 motor crashed.

Fixed a bug that should let this automatically correct it self.

____end____

Sun Apr 03 18:02:39 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk lin
e 0

Sun Apr 03 18:18:16 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Sun Apr 03 18:32:41 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Sun Apr 03 18:44:19 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk lin
e 0

Sun Apr 03 18:45:23 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Sun Apr 03 18:55:00 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk lin
e 0

Sun Apr 03 18:56:04 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Sun Apr 03 19:06:27 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 8

Sun Apr 03 19:24:53 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

EVENT COMMENT BY berkey : Sun Apr 03 19:37:46 GMT 2022

Very bright active region in the NW. Region is visible in the kcor raw data.

____end____

Sun Apr 03 19:52:32 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Sun Apr 03 20:20:10 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk lin
e 0

Sun Apr 03 20:35:26 GMT 2022 Running UCOMP Cookbook waves_1074_1hour.cbk line 0

Sun Apr 03 21:51:12 GMT 2022 Running UCOMP Cookbook no-occulter-flat.cbk line 0

Sun Apr 03 21:57:40 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Sun Apr 03 22:19:42 GMT 2022 UCOMP Paused for clouds

Sun Apr 03 22:19:51 GMT 2022 UCOMP Restarted from pause

GENERAL COMMENT BY berkey: Sun Apr 03 23:29:34 GMT 2022

Dome closed for heavy overcast.

____end____

GENERAL COMMENT BY berkey: Sun Apr 03 23:36:16 GMT 2022

____end____

GENERAL COMMENT BY berkey: Sun Apr 03 23:36:17 GMT 2022

____end____

UCOMP COMMENT BY berkey: Mon Apr 04 02:33:13 GMT 2022

Spent some time this afternoon with marginal skies trying to characterize how to find o
cculter spill. And now to programmatically calculate how far the occulter is misaligned
in mm for a given amount of detected occulter spill.

Algorithm still needs a bit more work, some of the trouble might be the high levels of
aerosols seen when working with some of these tests.

The manual center occulter VI now has a couple more widgets to describe how bad the mis

-alignment is. Including X and Y experimental numeric boxes, and a threshold image of the pixels to align (hidden to the upper left of the normal center occulter screen).At this point I am not sure how helpful the new widgets, and they can be ignored for now.
__end__

GENERAL COMMENT BY berkey: Mon Apr 04 02:33:29 GMT 2022

Nice morning but cloudy afternoon.

__end__

ONSITE STAFF: berkey, lisapg