
Mauna Loa Solar Observatory Observer's Log

Wed Oct 27 17:04:24 GMT 2021

Year: 21 Doy: 300

Observer: mlso

WEATHER COMMENT: mcotter: Wed Oct 27 17:14:40 GMT 2021

Temp: 41.2f, Humidity: 30%, Pressure: 28.796in, Wind: 7mph from 207degs, Skies: Clear skies overhead, but somewhat hazy conditions at lower elevations. Inversion layer visible on the horizon below Haleakala. Light wind blowing from the south-southwest.

____end____

GENERAL COMMENT BY mcotter: Wed Oct 27 17:14:50 GMT 2021

PM Blew off UCoMP O1

____end____

GENERAL COMMENT BY mcotter: Wed Oct 27 17:14:57 GMT 2021

PM Blew off Kcor O1

____end____

GENERAL COMMENT BY mcotter: Wed Oct 27 17:15:03 GMT 2021

Opened windows upstairs

____end____

Wed Oct 27 17:24:00 GMT 2021 Kcor Focus/alignment program exited

KCOR COMMENT BY mcotter: Wed Oct 27 17:27:18 GMT 2021

Kcor now running.

SGS offsets: X(RA): 45, Y(Dec): -13.

Polarization checked good: Mid, Bright, Dark, Mid.

____end____

Wed Oct 27 17:29:15 GMT 2021 Running UCOMP Cookbook dark_80ms_2beam_16sums_BOTH.cbk line 0

UCoMP COMMENT BY mcotter: Wed Oct 27 17:28:58 GMT 2021

Ucomp now running.

____end____

Wed Oct 27 17:30:32 GMT 2021 Running UCOMP Cookbook 637_Scan.cbk line 0

Wed Oct 27 17:32:55 GMT 2021 Running UCOMP Cookbook 656_Scan.cbk line 0

Wed Oct 27 17:34:53 GMT 2021 Running UCOMP Cookbook 789_Scan.cbk line 0

Wed Oct 27 17:36:53 GMT 2021 Running UCOMP Cookbook 1074_Scan.cbk line 0

Wed Oct 27 17:38:54 GMT 2021 Running UCOMP Cookbook 1079_Scan.cbk line 0

Wed Oct 27 17:40:52 GMT 2021 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Wed Oct 27 17:59:52 GMT 2021 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Wed Oct 27 19:12:12 GMT 2021 Running UCOMP Cookbook dark_80ms_2beam_16sums_BOTH.cbk line 0

Wed Oct 27 19:13:29 GMT 2021 Running UCOMP Cookbook 637_Pol_Calibrate.cbk line 0

Wed Oct 27 19:18:04 GMT 2021 Running UCOMP Cookbook 656_Pol_Calibrate.cbk line 0

Wed Oct 27 19:22:17 GMT 2021 Running UCOMP Cookbook 789_Pol_Calibrate.cbk line 0

Wed Oct 27 19:26:33 GMT 2021 Running UCOMP Cookbook 1074_Pol_Calibrate.cbk line 0

Wed Oct 27 19:30:49 GMT 2021 Running UCOMP Cookbook 1079_Pol_Calibrate.cbk line 0

Wed Oct 27 19:35:02 GMT 2021 Running UCOMP Cookbook waves_1074_1hour.cbk line 0

Wed Oct 27 19:43:46 GMT 2021 Running UCOMP Cookbook waves_1074_1hour.cbk line 16

Wed Oct 27 20:46:29 GMT 2021 Running UCOMP Cookbook dark_200_1sums_80ms.cbk line 0

Wed Oct 27 20:51:28 GMT 2021 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Wed Oct 27 21:10:47 GMT 2021 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Wed Oct 27 21:55:22 GMT 2021 Running UCOMP Cookbook all_wavelength_coronal.cbk line 22

Wed Oct 27 22:25:03 GMT 2021 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

GENERAL COMMENT BY mcotter: Thu Oct 28 03:29:20 GMT 2021

PM Washed UCoMP O1. During the last cleaning we noticed a residue on the back side of the O1 along about 1 " in from the edge spanning the region from approximately S to NW.

Today an attempt was made to clean the residue off with acetone; but this had no obvious effect. The (back side of the) lens was then cleaned with first contact. This again had no obvious effect on the residue.

Finally an attempt was made to rinse the lens off with DI water as to best effort. The O1 has been reinstalled and hopefully we see some improvement.

____end____

GENERAL COMMENT BY mcotter: Thu Oct 28 03:29:46 GMT 2021

PM Washed Kcor O1. With only DI water as a rinse no soap.

____end____

GENERAL COMMENT BY mcotter: Thu Oct 28 03:30:17 GMT 2021

UCOMP occulter changed from #31 to #34 per the calendar we are a couple days late. Hardware and software both updated.

____end____

KCOR COMMENT BY mcotter: Thu Oct 28 03:31:05 GMT 2021

Kcor occulter swapped from fall (1006.9) to winter tapered OC-1017.0" TAPPERED

____end____

GENERAL COMMENT BY mcotter: Thu Oct 28 03:32:03 GMT 2021

PM Blew off Kcor Field Lens. Lens was blown off during occulter swap. Some stuff on the lens did not respond to the air it will need cleaning over the coming days.

____end____

GENERAL COMMENT BY mcotter: Thu Oct 28 04:41:19 GMT 2021

Removed HEPA filters and reinstalled using extruded aluminum rails. May need to reaffirm balance in the morning.

____end____

ONSITE STAFF: berkey, mcotter