
Mauna Loa Solar Observatory Observer's Log

Thu Nov 11 17:47:49 GMT 2021

Year: 21 Doy: 315

Observer: berkey

WEATHER COMMENT: berkey: Thu Nov 11 17:47:27 GMT 2021

Temp: 49.2f, Humidity: 4%, Pressure: 28.74in, Wind: 9mph from 177degs, Skies: heavy overcast

____end____

UCoMP COMMENT BY berkey: Thu Nov 11 17:49:32 GMT 2021

Shutting down UCoMP computer to swap out power supply and run tests new raid board.

____end____

UCoMP COMMENT BY berkey: Thu Nov 11 19:54:13 GMT 2021

New power supply didnt help; system still cant reboot with the mega-raid board. Reverting to the Arc board.

____end____

UCoMP COMMENT BY berkey: Thu Nov 11 22:57:38 GMT 2021

Installed a heater on the Ucomp modulator.

The controller has been bolted to the side of the watlow mount.

Heater strips and outer radius of the modulator were then covered with a reflective blanket. There is not enough room between the cal-optics or filterwheel to fit any reflective on the front or back of the modulator.

____end____

UCoMP COMMENT BY berkey: Thu Nov 11 22:58:01 GMT 2021

UCoMP loyt stop opened back up to 11.7mm.

____end____

GENERAL COMMENT BY berkey: Thu Nov 11 22:59:44 GMT 2021

Cirrus has broken enough to take data; but we are now in heavy cirrus.

____end____

Thu Nov 11 23:09:29 GMT 2021 Running UCOMP Cookbook dark_80ms_2beam_16sums_BOTH.cbk line 0

Thu Nov 11 23:10:46 GMT 2021 Running UCOMP Cookbook 637_Scan.cbk line 0

Thu Nov 11 23:15:22 GMT 2021 Running UCOMP Cookbook dark_80ms_2beam_16sums_BOTH.cbk line 0

Thu Nov 11 23:16:39 GMT 2021 Running UCOMP Cookbook 637_Scan.cbk line 0

Thu Nov 11 23:32:06 GMT 2021 Running UCOMP Cookbook dark_80ms_2beam_16sums_BOTH.cbk line 0

Thu Nov 11 23:33:23 GMT 2021 Running UCOMP Cookbook 637_Scan.cbk line 0

Thu Nov 11 23:35:54 GMT 2021 Running UCOMP Cookbook 656_Scan.cbk line 0

Thu Nov 11 23:36:02 GMT 2021 Running UCOMP Cookbook 789_Scan.cbk line 0

Thu Nov 11 23:36:09 GMT 2021 Running UCOMP Cookbook 1074_Scan.cbk line 0

Thu Nov 11 23:36:19 GMT 2021 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Fri Nov 12 00:02:01 GMT 2021 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Fri Nov 12 00:21:43 GMT 2021 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Fri Nov 12 00:24:55 GMT 2021 UCoMP Paused for clouds

Fri Nov 12 00:38:34 GMT 2021 UCoMP Restarted from pause

UCoMP COMMENT BY berkey: Fri Nov 12 00:40:21 GMT 2021

O1 crashed need to rehome the stage.. I think the issue is the 1074 position is too close to the end of the range. Changing the 1079 O1 focus position from 61.99 to 61.95 to prevent running out of range. This will leave 1079 is slightly worse focus.

____end____

UCoMP COMMENT BY berkey: Fri Nov 12 03:52:17 GMT 2021

Change the focus motor limit switch position, firmware code and labview code to allow motion to get a little more motion in Z.

We can now get to 62.2mm consistently.

In labview if a position past 61mm is commanded we first move to 61mm stop the motion then do another short/slower move to creep up on the final position.

The 1079 position has been reverted back to the nominal 61.99mm.

____end____

GENERAL COMMENT BY berkey: Fri Nov 12 03:56:18 GMT 2021

Had a nice unexpected window of clear skies between the cirrus.

end

ONSITE STAFF: berkey