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         Mauna Loa Solar Observatory Observer's Log
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         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 ove
rcast
___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. Reverti
ng 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 where then covered with a reflextics bl
anket.   There is not enough room between the cal-optics or filterwheel to fit any refl
tix 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 lin
e 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 lin
e 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 lin
e 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_wavelenght_coronal_flat.cbk lin
e 0
Fri Nov 12 00:02:01 GMT 2021 Running UCOMP Cookbook all_wavelenght_coronal_flat.cbk lin
e 0
Fri Nov 12 00:21:43 GMT 2021 Running UCOMP Cookbook all_wavelenght_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 to clo
se 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 m
otion 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 most to 61mm stop the motion t
hen do another short/slower move to creap up on the final position.

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