
Mauna Loa Solar Observatory Observer's Log

Mon Sep 27 17:14:10 GMT 2021

Year: 21 Doy: 270

Observer: berkey

WEATHER COMMENT: berkey: Mon Sep 27 17:14:04 GMT 2021

Temp: 49.2f, Humidity: 7%, Pressure: 28.77in, Wind: 6mph from 98degs, Skies: clear

____end____

GENERAL COMMENT BY berkey: Mon Sep 27 17:21:00 GMT 2021

PM Blew off Kcor 01

____end____

GENERAL COMMENT BY berkey: Mon Sep 27 17:21:04 GMT 2021

PM Blew off UCoMP 01

____end____

Mon Sep 27 17:22:28 GMT 2021 Kcor Focus/alignment program exited

Mon Sep 27 17:23:52 GMT 2021 Running UCOMP Cookbook dark_80ms_2beam_16sums_BOTH.cbk line 0

Mon Sep 27 17:25:33 GMT 2021 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Mon Sep 27 17:30:10 GMT 2021 KCOR Start Synoptic Patrol

Mon Sep 27 18:00:51 GMT 2021 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

GENERAL COMMENT BY berkey: Mon Sep 27 18:33:32 GMT 2021

UCoMP Raid array failed.

____end____

Mon Sep 27 18:57:22 GMT 2021 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

UCoMP COMMENT BY berkey: Mon Sep 27 19:01:06 GMT 2021

Restarting observing writing data to the OS disk.

____end____

Mon Sep 27 19:26:40 GMT 2021 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Mon Sep 27 19:56:01 GMT 2021 Running UCOMP Cookbook dark_80ms_2beam_16sums_BOTH.cbk line 0

Mon Sep 27 19:57:26 GMT 2021 Running UCOMP Cookbook 530_Pol_Calibrate.cbk line 0

Mon Sep 27 20:02:14 GMT 2021 Running UCOMP Cookbook 637_Pol_Calibrate.cbk line 0

Mon Sep 27 20:06:36 GMT 2021 Running UCOMP Cookbook 656_Pol_Calibrate.cbk line 0

Mon Sep 27 20:10:55 GMT 2021 Running UCOMP Cookbook 691_Pol_Calibrate.cbk line 0

Mon Sep 27 20:15:25 GMT 2021 Running UCOMP Cookbook 706_Pol_Calibrate.cbk line 0

Mon Sep 27 20:19:44 GMT 2021 Running UCOMP Cookbook 789_Pol_Calibrate.cbk line 0

Mon Sep 27 20:24:05 GMT 2021 Running UCOMP Cookbook 1074_Pol_Calibrate.cbk line 0

Mon Sep 27 20:28:27 GMT 2021 Running UCOMP Cookbook 1079_Pol_Calibrate.cbk line 0

Mon Sep 27 20:32:47 GMT 2021 Running UCOMP Cookbook 1083_Pol_Calibrate.cbk line 0

Mon Sep 27 20:37:07 GMT 2021 Running UCOMP Cookbook waves_1074_1hour.cbk line 0

Mon Sep 27 21:43:03 GMT 2021 Running UCOMP Cookbook sumtest-1074.cbk line 0

Mon Sep 27 21:48:30 GMT 2021 Running UCOMP Cookbook dark_200_1sums_80ms.cbk line 0

Mon Sep 27 21:53:39 GMT 2021 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Mon Sep 27 22:32:02 GMT 2021 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Mon Sep 27 22:39:07 GMT 2021 KCOR End Patrol

Mon Sep 27 22:39:08 GMT 2021 KCOR End Patrol

GENERAL COMMENT BY berkey: Mon Sep 27 22:39:01 GMT 2021

Sky getting brighter.

____end____

Tue Sep 28 00:34:34 GMT 2021 Kcor Focus/alignment program exited
KCOR COMMENT BY berkey: Tue Sep 28 01:38:24 GMT 2021
Added some features to the kcor observing code front panel.

Since the experiment code to calculate the SGS guider mis-pointing based on looking at the real time images looked ok but was a little noise. We now also have a running mean of the best RA/DEC zeropoints based on the last 8 images.

Also added an experimental indicator to track when we have seen too many saturated images; and a warning indicator will turn on once we we have seen 8 saturated images in a row. Current definition of saturated is at least 100,000 pixels having counts of at least 32,000 (where max possible value for the i16 is 32767). Both of these two values are controllable from front panel, for some experimentation on when to turn the indicator on. An upgrade path for this Warning monitor would be to add some code to close the COVER if we ever see N saturated images in a row.

____end____

UCoMP COMMENT BY berkey: Tue Sep 28 02:45:39 GMT 2021

Still initializing the data disk, looks like it should finish up in the next couple hours.

I think we will end up losing all the past data on the disk, but we wont know for a couple more hours.

____end____

ONSITE STAFF: berkey