
Mauna Loa Solar Observatory Observer's Log

Tue Aug 17 16:32:43 GMT 2021

Year: 21 Doy: 229

Observer: berkey

Tue Aug 17 16:39:46 GMT 2021 Running UCOMP Cookbook dark_80ms_2beam_16sums_BOTH.ckb

Tue Aug 17 16:40:08 GMT 2021 Running UCOMP Cookbook 530_Scan.ckb

Tue Aug 17 16:41:17 GMT 2021 Running UCOMP Cookbook 530_Scan.ckb

Tue Aug 17 16:41:53 GMT 2021 Running UCOMP Cookbook 530_Scan.ckb

Tue Aug 17 16:41:53 GMT 2021 Running UCOMP Cookbook 637_Scan.ckb

Tue Aug 17 16:45:31 GMT 2021 Running UCOMP Cookbook 637_Scan.ckb

Tue Aug 17 16:45:32 GMT 2021 Running UCOMP Cookbook 656_Scan.ckb

UCOMP COMMENT BY berkey: Tue Aug 17 16:49:13 GMT 2021

Bug fix applied in the ucomp observing code; to handle an issue where it tried to run a blank recipe if center occulter was run after the last recipe in a cookbook.

The code now makes a check if we are at the end of a cookbook before starting the center occulter code and if so runs next cookbook after the center occulter instead of trying to run an empty string recipe.

____end____

UCOMP COMMENT BY berkey: Tue Aug 17 16:50:58 GMT 2021

Data taken between 16:39-16:45 were taken with the dome closed to test some functionality of the observing code, and should be considered either to be darks or garbage.

____end____

Tue Aug 17 17:29:39 GMT 2021 Running UCOMP Cookbook 656_Scan.ckb

Tue Aug 17 17:34:14 GMT 2021 Kcor Focus/alignment program exited

Tue Aug 17 17:34:14 GMT 2021 Running UCOMP Cookbook 656_Scan.ckb

Tue Aug 17 17:36:34 GMT 2021 Running UCOMP Cookbook 691_Scan.ckb

WEATHER COMMENT: berkey: Tue Aug 17 17:37:44 GMT 2021

Temp: 44.9f, Humidity: 18%, Pressure: 28.711in, Wind: 2mph from 218degs, Skies: Clear, but slightly hazy skies with a high inversion layer visible on the horizon at or above Maunakea.

Little to no wind at this time.

____end____

GENERAL COMMENT BY berkey: Tue Aug 17 17:37:58 GMT 2021

Opened windows upstairs

____end____

GENERAL COMMENT BY berkey: Tue Aug 17 17:38:04 GMT 2021

PM Blew off UCOMP O1

____end____

GENERAL COMMENT BY berkey: Tue Aug 17 17:38:09 GMT 2021

PM Blew off Kcor O1

____end____

GENERAL COMMENT BY berkey: Tue Aug 17 17:38:28 GMT 2021

Ucomp now running.

____end____

Tue Aug 17 17:39:38 GMT 2021 Running UCOMP Cookbook 706_Scan.ckb

Tue Aug 17 17:42:31 GMT 2021 Running UCOMP Cookbook 789_Scan.ckb

KCOR COMMENT BY berkey: Tue Aug 17 17:42:35 GMT 2021

Kcor now running.

Focus routine image showed excessive aerosols. I was able to obtain a satisfactory parabola after a few attempts. Polarization checked good: Mid. Bright, Dark, Mid.

____end____

Tue Aug 17 17:45:25 GMT 2021 Running UCOMP Cookbook 1074_Scan.ckb

GENERAL COMMENT BY berkey: Tue Aug 17 17:46:28 GMT 2021

Ben and I spent a short period of time prior to observing reviewing the spar in the dome coming up with a plan for remounting the guider, the targets and the coming up with a new moments and weights structural system. We believe we have a good plan for how to move forward. I am going to create some drawings, so as to give us a bill of material to go forward with.

____end____

Tue Aug 17 17:48:21 GMT 2021 Running UCOMP Cookbook 1079_Scan.ckb

Tue Aug 17 17:51:14 GMT 2021 Running UCOMP Cookbook 1083_Scan.ckb

Tue Aug 17 17:54:07 GMT 2021 Running UCOMP Cookbook all_coronal_7_flats.ckb

Tue Aug 17 18:13:04 GMT 2021 Running UCOMP Cookbook all_coronal_7.ckb

Tue Aug 17 18:32:21 GMT 2021 Running UCOMP Cookbook all_coronal_7.ckb

Tue Aug 17 18:50:47 GMT 2021 Running UCOMP Cookbook dark_80ms_2beam_16sums_BOTH.ckb

Tue Aug 17 18:51:10 GMT 2021 Running UCOMP Cookbook 530_Pol_Calibrate.ckb

Tue Aug 17 18:55:52 GMT 2021 Running UCOMP Cookbook 637_Pol_Calibrate.ckb

Tue Aug 17 19:00:10 GMT 2021 Running UCOMP Cookbook 656_Pol_Calibrate.ckb

Tue Aug 17 19:04:26 GMT 2021 Running UCOMP Cookbook 691_Pol_Calibrate.ckb

Tue Aug 17 19:08:42 GMT 2021 Running UCOMP Cookbook 706_Pol_Calibrate.ckb

Tue Aug 17 19:13:07 GMT 2021 Running UCOMP Cookbook 789_Pol_Calibrate.ckb

Tue Aug 17 19:17:33 GMT 2021 Running UCOMP Cookbook 1074_Pol_Calibrate.ckb

GENERAL COMMENT BY berkey: Tue Aug 17 19:18:16 GMT 2021

The dome shutter opening alignment sensors were not picking up the dome edge properly, therefore causing the dome alignment not to advance at the proper time. Ben checked the sensors and found that the "Cloud Detection Sensor" (middle sensor) was not aligned properly. Ben realigned the Cloud Sensor, and verified the outer Edge Sensors. The dome is now advancing properly.

____end____

Tue Aug 17 19:21:51 GMT 2021 Running UCOMP Cookbook 1079_Pol_Calibrate.ckb

Tue Aug 17 19:26:07 GMT 2021 Running UCOMP Cookbook 1083_Pol_Calibrate.ckb

Tue Aug 17 19:30:22 GMT 2021 Running UCOMP Cookbook dark_200_200_1sums_80ms.ckb

Tue Aug 17 19:35:23 GMT 2021 Running UCOMP Cookbook all_coronal_7_flats.ckb

Tue Aug 17 19:54:09 GMT 2021 Running UCOMP Cookbook all_coronal_7.ckb

Tue Aug 17 20:13:25 GMT 2021 Running UCOMP Cookbook all_coronal_7.ckb

Tue Aug 17 20:32:11 GMT 2021 Running UCOMP Cookbook all_coronal_7.ckb

Tue Aug 17 20:41:38 GMT 2021 UCOMP Paused for clouds

WEATHER COMMENT: berkey: Tue Aug 17 21:47:16 GMT 2021

Altocumulus clouds have pushed up from the Saddle Valley into the observatory area and clouds are forming over the observatory. The sky is now overcast and both Kcor and Ucomp have been stopped.

The Dome is now closed.

____end____

Tue Aug 17 21:47:24 GMT 2021 UCOMP Restarted from pause

GENERAL COMMENT BY berkey: Tue Aug 17 23:05:14 GMT 2021

Mark Rast removed from the PSPT and general emailing lists.

____end____

WEATHER COMMENT: berkey: Wed Aug 18 01:26:51 GMT 2021

Light steady rain falling and heavy dense fog currently at the observatory.

___end___

GENERAL COMMENT BY berkey: Wed Aug 18 01:30:14 GMT 2021

The morning started out clear though aerosols were heavy and visible in the Kcor images. At approximately 11:15am HST clouds began forming over the observatory causing us to stop the Kcor and Ucomp instruments.

___end___

ONSITE STAFF: berkey, mcotter