
Mauna Loa Solar Observatory Observer's Log

Thu Jul 8 16:26:51 GMT 2021

Year: 21 Doy: 189

Observer: berkey

WEATHER COMMENT BY berkey: Thu Jul 08 16:27:41 GMT 2021

Temp: 43.6f, Humidity: 15%, Pressure: 28.605in, Wind: 3mph from 188degs, Skies: patchy cirrus blowing in from the SW
____end____

UCoMP COMMENT BY berkey: Thu Jul 08 17:09:36 GMT 2021

Installed new camera baffles on the ucomp cameras. These baffles should provide a light tight connection between the pbs camera lenses and the threaded c-mounts on the front of the camera body.

Seemes the baffle/felt provided enough compliance to match the cameras X-Y position w.r.t. to the PBS. It was a tight enough that camera focus spring couldnt overcome resistance on its own. The camera needed to be pushed by hand up against its focus stop.

Taking distortion data now.

____end____

GENERAL COMMENT BY berkey: Thu Jul 08 17:09:48 GMT 2021

PM Blew off Kcor 01

____end____

GENERAL COMMENT BY berkey: Thu Jul 08 17:09:52 GMT 2021

PM Blew off UCoMP 01

____end____

UCoMP COMMENT BY berkey: Thu Jul 08 17:12:49 GMT 2021

Bug fix in the occulter stage polling was applied. We had been trying to update the occulter in/out feedback to the occulter x/y floating point position.

Based on the way the code was constructed applying a in/out flag to the floating point position values meant the floating values were overwritten with null values. We should now expect to start seeing occulter x-y positions in the headers.

____end____

UCoMP COMMENT BY berkey: Thu Jul 08 17:47:46 GMT 2021

ND filter in beam. Automatic occulter insertion disabled.

re-taking ucomp focus data

____end____

UCoMP COMMENT BY berkey: Thu Jul 08 17:55:05 GMT 2021

To false starts on the find_focus menu. I forgot the menu assumed the occulter and cover were out, but the scripts didn't command the moves. First start had the cover and occulter in. Second start had the occulter in. Third time seems correct so far.

____end____

Thu Jul 08 18:05:11 GMT 2021 Kcor Focus/alignment program exited

GENERAL COMMENT BY berkey: Thu Jul 08 18:19:58 GMT 2021

PM Blew off Kcor Field Lens to try and address blob seen in the south.

____end____

UCoMP COMMENT BY berkey: Thu Jul 08 18:20:34 GMT 2021

automatic safety shutter logic restored and Nd filter removed.

____end____

GENERAL COMMENT BY berkey: Thu Jul 08 19:31:24 GMT 2021

Pausing for clouds

____end____

GENERAL COMMENT BY berkey: Thu Jul 08 23:07:48 GMT 2021

PM UCOMP O1 cleaned with first contact.

____end____

UCOMP COMMENT BY berkey: Thu Jul 08 23:48:14 GMT 2021

Testing new feature to capture ucomp log items in the main mlso daylog. Dome is closed so the next few entries are just t
ests.

____end____

Thu Jul 08 23:48:01 GMT 2021 Running UCOMP Cookbook 530_Scan.ckb

Thu Jul 08 23:48:31 GMT 2021 UCOMP Paused for clouds

Thu Jul 08 23:54:01 GMT 2021 UCOMP Restarted from pause

UCOMP COMMENT BY berkey: Fri Jul 09 01:02:17 GMT 2021

UCOMP log testing done.

____end____

GENERAL COMMENT BY berkey: Fri Jul 09 01:09:54 GMT 2021

Low clouds and cirrus cleared opening dome.

____end____

Fri Jul 09 01:10:20 GMT 2021 Kcor Focus/alignment program exited

GENERAL COMMENT BY berkey: Fri Jul 09 01:11:54 GMT 2021

Looks like sky is still a little too bright for observations. Pausing for now.

____end____

Fri Jul 09 01:27:59 GMT 2021 Running UCOMP Cookbook all_coronal_7_flats.ckb

Fri Jul 09 02:10:45 GMT 2021 Running UCOMP Cookbook all_coronal_7_flats.ckb

Fri Jul 09 02:17:06 GMT 2021 Running UCOMP Cookbook all_coronal_7_flats.ckb

GENERAL COMMENT BY berkey: Fri Jul 09 02:26:15 GMT 2021

Skies never got coronal again after ~19:30

____end____

ONSITE STAFF: berkey