
Mauna Loa Solar Observatory Observer's Log

Fri Jan 28 16:38:16 GMT 2022

Year: 22 Doy: 028

Observer: lisapg

WEATHER COMMENT: lisapg: Fri Jan 28 17:16:57 GMT 2022

Temp: 32.9f with wind speed at about 11-16mph from the South-Southeast. Sky looks clear
____end____

GENERAL COMMENT BY lisapg: Fri Jan 28 17:29:34 GMT 2022

Opened windows upstairs

____end____

GENERAL COMMENT BY lisapg: Fri Jan 28 17:29:37 GMT 2022

PM Blew off Kcor 01

____end____

GENERAL COMMENT BY lisapg: Fri Jan 28 17:29:41 GMT 2022

PM Blew off UCOMP 01

____end____

Fri Jan 28 18:06:13 GMT 2022 Kcor Focus/alignment program exited

Fri Jan 28 18:08:20 GMT 2022 KCOR Start Synoptic Patrol

Fri Jan 28 18:24:28 GMT 2022 KCOR End Patrol

UCOMP PROBLEM COMMENT BY lisapg : Fri Jan 28 19:19:47 GMT 2022

Been trouble shooting the UCOMP occulter stage. It seems to have bound and I am currently unable to get the occulter stage moving past 126 degrees of a turn in either direction. Keeping UCOMP offline as it is unsafe to use the instrument without causing further damage.

____end____

Fri Jan 28 19:20:56 GMT 2022 KCOR Start Synoptic Patrol

Fri Jan 28 22:20:22 GMT 2022 KCOR End Patrol

Fri Jan 28 22:20:26 GMT 2022 KCOR End Patrol

Fri Jan 28 22:27:11 GMT 2022 KCOR Start Synoptic Patrol

GENERAL COMMENT BY lisapg: Fri Jan 28 22:28:00 GMT 2022

Kcor paused to remove UCOMP occulter motor by Ben.

____end____

Fri Jan 28 22:52:33 GMT 2022 KCOR End Patrol

Fri Jan 28 23:20:23 GMT 2022 KCOR Start Synoptic Patrol

Fri Jan 28 23:23:17 GMT 2022 Running UCOMP Cookbook dark_80ms_2beam_16sums_BOTH.cbk line 0

Fri Jan 28 23:24:30 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

UCOMP COMMENT BY mlso: Fri Jan 28 23:26:24 GMT 2022

UCOMP Occulter Y linear stage did not have enough range of travel to align to the sun.

Troubleshooting found that when I removed and reinstalled the Occ-Y stage yesterday I failed to put it back in an M5 lock washer, this lets one of the screws that held the stage to the fixed tower make contact with the moving section of the stage ~15.5mm into the range which left the occulter just a little high of blocking the sun. Removing this bolt and reinstalling it with the appropriate lock washer now allows a regular range of motion and we can properly align the occulter.

____end____

Fri Jan 28 23:42:58 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Sat Jan 29 00:37:08 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 27

Sat Jan 29 00:55:40 GMT 2022 Running UCOMP Cookbook no-occulter-flat.cbk line 0

Sat Jan 29 01:02:13 GMT 2022 Running UCOMP Cookbook dark_80ms_2beam_16sums_BOTH.cbk line 0

Sat Jan 29 01:03:30 GMT 2022 Running UCOMP Cookbook 637_Pol_Calibrate.cbk line 0

Sat Jan 29 01:07:52 GMT 2022 Running UCOMP Cookbook 656_Pol_Calibrate.cbk line 0

Sat Jan 29 01:11:55 GMT 2022 Running UCOMP Cookbook 789_Pol_Calibrate.cbk line 0

Sat Jan 29 01:15:59 GMT 2022 Running UCOMP Cookbook 1074_Pol_Calibrate.cbk line 0

Sat Jan 29 01:16:10 GMT 2022 KCOR End Patrol

Sat Jan 29 01:16:11 GMT 2022 KCOR End Patrol

Sat Jan 29 01:16:13 GMT 2022 UCOMP Paused for clouds

GENERAL COMMENT BY lisapg: Sat Jan 29 01:16:53 GMT 2022

Clouds coming in from the West, instruments idled for now.

____end____

Sat Jan 29 01:21:15 GMT 2022 KCOR Start Synoptic Patrol

Sat Jan 29 01:21:14 GMT 2022 UCOMP Restarted from pause

Sat Jan 29 01:25:01 GMT 2022 Running UCOMP Cookbook 1079_Pol_Calibrate.cbk line 0

Sat Jan 29 01:29:04 GMT 2022 Running UCOMP Cookbook waves_1074_1hour.cbk line 0
Sat Jan 29 02:38:48 GMT 2022 Running UCOMP Cookbook dark_200_1sums_80ms.cbk line 0
Sat Jan 29 02:43:48 GMT 2022 Running UCOMP Cookbook no-occulter-flat.cbk line 0
Sat Jan 29 02:50:20 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0
Sat Jan 29 02:53:41 GMT 2022 KCOR End Patrol
GENERAL COMMENT BY lisapg: Sat Jan 29 02:58:05 GMT 2022
Besides a few clouds, it was a nice day to take data.
____end____
ONSITE STAFF: berkey, lisapg