
Mauna Loa Solar Observatory Observer's Log

Tue Feb 15 17:38:10 GMT 2022

Year: 22 Doy: 046

Observer: mcotter

WEATHER COMMENT: mcotter: Tue Feb 15 17:40:19 GMT 2022

Temp: 31.9f, Humidity: 23%, Pressure: 28.958in, Wind: 4mph from 120deg, Skies: Clear skies in all directions, though there is a slight haze in the air. Inversion layer visible well below Haleakala.

Cold with lots of ice all around the science center.

____end____

GENERAL COMMENT BY mcotter: Tue Feb 15 17:40:26 GMT 2022

Opened windows upstairs

____end____

GENERAL COMMENT BY mcotter: Tue Feb 15 17:40:39 GMT 2022

PM Blew off UCOMP 01

____end____

GENERAL COMMENT BY mcotter: Tue Feb 15 17:40:46 GMT 2022

PM Blew off Kcor 01

____end____

Tue Feb 15 17:45:43 GMT 2022 Running UCOMP Cookbook dark_80ms_2beam_16sums_BOTH.cbk line 0

UCOMP COMMENT BY mcotter: Tue Feb 15 17:46:56 GMT 2022

Ucomp instrument now running.

____end____

Tue Feb 15 17:47:00 GMT 2022 Running UCOMP Cookbook 530_Scan.cbk line 0

Tue Feb 15 17:49:11 GMT 2022 Running UCOMP Cookbook 637_Scan.cbk line 0

Tue Feb 15 17:51:00 GMT 2022 Running UCOMP Cookbook 691_Scan.cbk line 0

Tue Feb 15 17:52:49 GMT 2022 Running UCOMP Cookbook 706_Scan.cbk line 0

Tue Feb 15 17:53:14 GMT 2022 Kcor Focus/alignment program exited

Tue Feb 15 17:54:39 GMT 2022 Running UCOMP Cookbook 789_Scan.cbk line 0

Tue Feb 15 17:56:28 GMT 2022 Running UCOMP Cookbook 1074_Scan.cbk line 0

KCOR COMMENT BY mcotter: Tue Feb 15 17:57:09 GMT 2022

The Kcor instrument is now running.

The skies are a little bright but the synoptic images look good.

Polarization checked good: Mid, Bright, Dark, Mid.

The threshold level was changed from 15000 to 10000.

____end____

Tue Feb 15 17:58:18 GMT 2022 Running UCOMP Cookbook 1079_Scan.cbk line 0

Tue Feb 15 18:00:07 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Tue Feb 15 18:47:50 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

****Possible CME in Progress mcotter**** : Tue Feb 15 18:48:22 GMT 2022

Observers report with high confidence a CME seeing launching near PA 300 deg, with a minimum width of 10 deg, at UT time 18:06:12.

This event is just beginning. Additional alerts may be sent out as more information becomes available.

____end____

Tue Feb 15 21:26:14 GMT 2022 UCOMP Paused for clouds

Tue Feb 15 21:27:33 GMT 2022 UCOMP Restarted from pause

Tue Feb 15 21:32:42 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 34

Tue Feb 15 21:34:05 GMT 2022 UCOMP Paused for clouds

WEATHER COMMENT: mcotter: Tue Feb 15 22:39:22 GMT 2022

Clouds began to come in from the northeast at approximately 11:20am, with additional clouds forming and dissipating above the observatory and in the general vicinity of the viewing area. I tried pausing and then restarting the instruments during periods of blue sky but the clouds became too numerous and I had to stop observing until conditions improved.

____end____

KCOR COMMENT BY mcotter: Tue Feb 15 22:39:55 GMT 2022

Kcor was stopped due to sky conditions.

____end____

UCOMP COMMENT BY mcotter: Tue Feb 15 22:40:19 GMT 2022

Ucomp has been paused due to sky conditions.

____end____

KCOR COMMENT BY mcotter: Tue Feb 15 22:52:59 GMT 2022

This morning when I spoke to Ben regarding the rotation of the Kcor 01 lens that we did yesterday he thought that the rotation was in the wrong direction; we had rotated the lens approximately -45 deg (counter clockwise). Ben told me that the lens should be rotated to it's original position, then an additional +45 deg. (clockwise). At the beginning of the day a CME was observed launching so I waited before removing the Kcor 01 lens and rotating it as described. Sky conditions became poor at approximately 11:30am HST, so both instrument were stopped. During this period I removed the Kcor 01 lens, rotated it + 90 deg then reinstalled. Sky conditions are still poor, so we are unable to observe with the Kcor instrument at this time and confirm that the adjustment had the desired effect that Ben is looking to accomplish.

____end____

WEATHER COMMENT: mcotter: Wed Feb 16 00:10:35 GMT 2022

Temp: 38.5f, Humidity: 82%, Pressure: 28.782in, Wind: 7mph from 304deg, Skies: The sky has grown more overcast with gray clouds and a light mist periodically blowing through

____end____

Wed Feb 16 02:12:52 GMT 2022 UCoMP Restarted from pause

WEATHER COMMENT: mcotter: Wed Feb 16 02:14:58 GMT 2022

The sky is now totally overcast with a light rain mixed with sleet falling.

____end____

GENERAL COMMENT BY mcotter: Wed Feb 16 02:15:42 GMT 2022

The day started out good then clouds came into the viewing area in the late morning.

____end____

ONSITE STAFF: