
Mauna Loa Solar Observatory Observer's Log

Sat Apr 9 16:59:13 GMT 2022

Year: 22 Doy: 099

Observer: mlso

WEATHER COMMENT: mcotter: Sat Apr 09 17:02:27 GMT 2022

Temp: 39.9f, Humidity: 62%, Pressure: 28.808in, Wind: 10mph from 194degs, Skies: Heavy fog with mist and drizzle in the Saddle Valley to approximately 8000' elevation. Wet roads above 8000' elevation with frosty road conditions above 10,000' elevation. Icy conditions at observatory. Hazy skies with high altitude Cirrus scattered across much of the sky.

___end___

GENERAL COMMENT BY mcotter: Sat Apr 09 17:02:35 GMT 2022

PM Blew off Kcor 01

___end___

GENERAL COMMENT BY mcotter: Sat Apr 09 17:02:47 GMT 2022

PM Blew off UCoMP 01

___end___

Sat Apr 09 17:04:40 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Sat Apr 09 17:10:08 GMT 2022 Kcor Focus/alignment program exited

KCOR COMMENT BY mcotter: Sat Apr 09 17:12:15 GMT 2022

I tried running the Kcor instrument but the sky is much too bright to observe at this time.

___end___

UCoMP COMMENT BY mcotter: Sat Apr 09 17:12:54 GMT 2022

I tried running the Ucomp instrument but the sky is much too bright at this time.

___end___

KCOR COMMENT BY mcotter: Sat Apr 09 17:54:05 GMT 2022

The sky continues to be too bright to observe at this time.

___end___

UCoMP COMMENT BY mcotter: Sat Apr 09 17:54:33 GMT 2022

The sky continues to be too bright to observe at this time.

___end___

KCOR COMMENT BY mcotter: Sat Apr 09 18:23:01 GMT 2022

Though the sky is still bright, the Kcor instrument is now observing.

___end___

UCoMP COMMENT BY mcotter: Sat Apr 09 18:23:24 GMT 2022

Though the sky is still bright, the Ucomp instrument is now observing.

___end___

KCOR COMMENT BY mcotter: Sat Apr 09 18:27:42 GMT 2022

Kcor has been stopped at this time due to overly bright skies.

___end___

UCoMP COMMENT BY mcotter: Sat Apr 09 18:28:15 GMT 2022

Ucomp has been paused at this time due to overly bright skies.

___end___

KCOR COMMENT BY mcotter: Sat Apr 09 19:11:25 GMT 2022

Though the sky is still bright, the Kcor instrument is now observing.

___end___

UCoMP COMMENT BY mcotter: Sat Apr 09 19:11:58 GMT 2022

Though the sky is still bright, the Ucomp instrument is now observing.

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UCoMP COMMENT BY mcotter: Sat Apr 09 19:29:59 GMT 2022

The Ucomp instrument did not come back up after being paused for clouds earlier in the morning. I attempted to stop the Ucomp controller program normally but it did not respond. I hit the "Abort" button and finally was able to stop the Ucomp controller program.

I restarted the program but after a few minutes the Filterwheel LED has not illuminated and the program is again hanging up. I am going to the dome and attempt to reseal the Filterwheel cable connector at the bulkhead as I have done before to fix this problem.

Reseating the Filterwheel cable connector at the bulkhead has fixed the problem and the Ucomp controller program has come up as normal.

___end___

Sat Apr 09 19:34:15 GMT 2022 UCoMP Paused for clouds

KCOR COMMENT BY mcotter: Sat Apr 09 19:35:00 GMT 2022

Kcor is again stopped due to overly bright skies.

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UCoMP COMMENT BY mcotter: Sat Apr 09 19:35:37 GMT 2022

Ucomp is again paused due to overly bright skies.

___end___

WEATHER COMMENT: mcotter: Sat Apr 09 19:38:23 GMT 2022

The skies are crossed with bands of high altitude Cirrus that repeatedly moves through the viewing area. I have tried several times to watch for breaks in the cloud bands but the bands are becoming increasingly more frequent and the breaks are very bright.

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****Possible CME in Progress mcotter**** : Sat Apr 09 20:01:20 GMT 2022

Observers report with medium confidence a CME seeing launching near PA 245 deg, with a minimum width of 10 deg at UT time 19:12:14.

Event was already in progress at start of observing.

___end___

WEATHER COMMENT: mcotter: Sat Apr 09 20:03:41 GMT 2022

The skies continue to be too bright at this time to observe.

___end___

WEATHER COMMENT: mcotter: Sat Apr 09 20:14:19 GMT 2022

Orthographic clouds have moved into the area from the northwest and are forming and dissipating above the observatory. High altitude Cirrus bands are still visible across the sky.

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WEATHER COMMENT: mcotter: Sat Apr 09 20:33:36 GMT 2022

The Orographic clouds over the observatory are increasing and are getting darker in color.

The dome shutter doors have been closed at this time in the event of precipitation.

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WEATHER COMMENT: mcotter: Sat Apr 09 22:03:19 GMT 2022

The sky has gotten darkly overcast with fog and mist beginning to blow through the science area.

___end___

WEATHER COMMENT: mcotter: Sun Apr 10 00:06:54 GMT 2022

The sky continues to be dark and completely overcast, with fog and mist blowing through the science area from the north.

___end___

GENERAL COMMENT BY mcotter: Sun Apr 10 00:18:16 GMT 2022

Emptied trash containers and changed dome vestibule tact mat.

___end___

WEATHER COMMENT: mcotter: Sun Apr 10 02:04:41 GMT 2022

The sky continues to be overcast with fog and mist blowing through the science area from the north.

The satellite forecast shows much of the same for the next few days.

___end___

GENERAL COMMENT BY mcotter: Sun Apr 10 03:22:19 GMT 2022

The sky was criss crossed with high altitude Cirrus throughout the day. This morning there were small breaks in the Cirrus clouds but the sky was quite bright. Though the sky was bright, I was able to do a small amount of observing and was able to catch a CME in progress. By late morning Orographic clouds moved up from the Saddle Valley and the sky became completely overcast, followed by mist and fog.

___end___

ONSITE STAFF: mcotter