
Mauna Loa Solar Observatory Observer's Log

Sat Sep 10 16:37:08 GMT 2022

Year: 22 Doy: 253

Observer: mcotter

WEATHER COMMENT: mcotter: Sat Sep 10 16:42:08 GMT 2022

Temp: 40.5f, Humidity: 14%, Pressure: 28.575in, Wind: 10mph from 163degs, Skies: Clouds
i the Saddle Valley up approximately 7500' elevation. Scattered upper level Cirrus clo
uds scattered across much of the sky, particularly in the Eastern sky. Moderate steady
wind from the Southeast. Hazy blue brown inversion layer visible on the horizon at appr
oximately the same elevation as Haleakala.

___end___

GENERAL COMMENT BY mcotter: Sat Sep 10 16:50:46 GMT 2022

Opened windows upstairs

___end___

GENERAL COMMENT BY mcotter: Sat Sep 10 16:50:52 GMT 2022

PM Blew off UCOMP 01

___end___

GENERAL COMMENT BY mcotter: Sat Sep 10 16:50:57 GMT 2022

PM Blew off Kcor 01

___end___

Sat Sep 10 17:14:35 GMT 2022 Kcor Focus/alignment program exited

WEATHER COMMENT: mcotter: Sat Sep 10 17:14:56 GMT 2022

The sky is overcast with scattered upper level Cirrus so the instruments are idle at th
is time.

___end___

Sat Sep 10 18:05:17 GMT 2022 Kcor Focus/alignment program exited

GENERAL COMMENT BY mcotter: Sat Sep 10 18:05:33 GMT 2022

An attempt was made to start the instruments but the sky remains much too bright to obs
erve at this time.

___end___

Sat Sep 10 18:16:57 GMT 2022 Kcor Focus/alignment program exited

WEATHER COMMENT: mcotter: Sat Sep 10 18:18:23 GMT 2022

Though the sky is still a bit bright the instruments are now observing.

___end___

Sat Sep 10 18:19:19 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk lin
e 0

Sat Sep 10 18:40:12 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

WEATHER COMMENT: mcotter: Sat Sep 10 19:16:33 GMT 2022

The sky is beginning to get bright with aerosols.

___end___

Sat Sep 10 19:18:34 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Sat Sep 10 19:30:38 GMT 2022 UCOMP Paused for clouds

WEATHER COMMENT: mcotter: Sat Sep 10 19:32:53 GMT 2022

There is now a thin layer of high level Cirrostratus clouds covering the sky and aeros
ols are quite high.

The sky is too bright to observe.

___end___

GENERAL COMMENT BY mcotter: Sat Sep 10 19:33:27 GMT 2022

The instruments are now paused due to very bright skies.

___end___

Sat Sep 10 19:55:06 GMT 2022 UCOMP Restarted from pause

WEATHER COMMENT: mcotter: Sat Sep 10 19:55:19 GMT 2022

Skies are still bright but not as bad as earlier.

The instruments are again observing.

___end___

Sat Sep 10 20:20:57 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Sat Sep 10 20:59:00 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk lin
e 0

Sat Sep 10 21:19:34 GMT 2022 Running UCOMP Cookbook waves_1074_1hour.cbk line 0

****Possible CME in Progress reported by mcotter**** : Sat Sep 10 21:37:37 GMT 2022

TIME: 20:20:11 UT PA: 325 degd WIDTH: 20 degs

Observer reports with High confidence a CME at the time, position angle, and width note
d.

___end___

WEATHER COMMENT: mcotter: Sat Sep 10 21:59:45 GMT 2022

Orographic clouds are beginning to move into the science area.

___end___

GENERAL COMMENT BY mcotter: Sat Sep 10 22:12:09 GMT 2022

Orographic clouds with very high aerosols have moved into the viewing area. The instruments have been stopped.

___end___

GENERAL COMMENT BY mcotter: Sat Sep 10 22:22:50 GMT 2022

The sky was scattered with bits of Cirrus clouds this morning which delayed start time.

After an hour or so the viewing area rose above much of the Cirrus and observations were possible. Throughout the morning aerosols were high and bits of high altitude Cirrus

and Cirrostratus clouds were prevalent but observations were able to be accomplished.

Shortly after Noon Orographic clouds and heavy aerosols came and observations ended.

___end___

ONSITE STAFF: mcotter