
Mauna Loa Solar Observatory Observer's Log

Sun Mar 13 17:42:05 GMT 2022

Year: 22 Doy: 072

Observer: mlso

Sun Mar 13 17:43:19 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Sun Mar 13 17:43:51 GMT 2022 Kcor Focus/alignment program exited

WEATHER COMMENT: mcotter: Sun Mar 13 17:46:32 GMT 2022

Temp: 46.1f, Humidity: 18%, Pressure: 28.732in, Wind: 4mph from 51degs, Skies: Clear skies in all directions! Inversion layer visible on the horizon just above Haleakala. Little to no wind.

Beautiful, beautiful morning!!!!

____end____

UCOMP COMMENT BY mcotter: Sun Mar 13 17:46:48 GMT 2022

Ucomp instrument up and running.

____end____

KCOR COMMENT BY mcotter: Sun Mar 13 17:47:53 GMT 2022

Kcor instrument up and running.

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

____end____

Sun Mar 13 17:58:53 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Sun Mar 13 18:26:50 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Sun Mar 13 18:54:38 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Sun Mar 13 19:22:35 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Sun Mar 13 19:37:51 GMT 2022 Running UCOMP Cookbook waves_1074_1hour.cbk line 0

Sun Mar 13 19:52:59 GMT 2022 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Sun Mar 13 20:08:13 GMT 2022 KCOR End Calibration Script

Sun Mar 13 20:47:15 GMT 2022 Running UCOMP Cookbook no-occulter-flat.cbk line 0

Sun Mar 13 20:53:42 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Sun Mar 13 21:21:26 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

WEATHER COMMENT: mcotter: Sun Mar 13 21:31:19 GMT 2022

Beautiful day in the neighborhood!!!

The weather is warming up here on the slopes of Maunaloa, as spring is just around the corner. Little to no wind. Some lower altitude Cumulus clouds can be observed along the windward and leeward coastlines of the Big Island, but so far nothing nothing is making it's way up toward the observatory.

____end____

Sun Mar 13 21:36:43 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Sun Mar 13 22:04:42 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Sun Mar 13 22:32:39 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Sun Mar 13 23:00:19 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Sun Mar 13 23:15:34 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Sun Mar 13 23:43:41 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

WEATHER COMMENT: mcotter: Sun Mar 13 23:55:27 GMT 2022

Orthographic clouds are beginning to appear on the western slope on Maunaloa, but so far are staying low on the horizon and to the west of the viewing area. There were also a few clouds above the summit of Maunaloa to the south, but they have begun to break up.

The wind is moderate and blowing from the north-northwest, so perhaps the wind will keep the clouds at bay for the rest of the day.

____end____

Mon Mar 14 00:11:39 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

****Possible CME in Progress mcotter**** : Mon Mar 14 00:18:59 GMT 2022

Observers report with High confidence a CME seeing launching near PA 245 deg, with a minimum width of 3 deg, at UT time 23:34:09.

____end____

WEATHER COMMENT: mcotter: Mon Mar 14 00:21:51 GMT 2022

Aerosols are beginning to increase dramatically, as can be seen in the Kcor NRGF images

____end____

Mon Mar 14 00:39:36 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Mon Mar 14 00:54:52 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0
Mon Mar 14 01:22:58 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0
Mon Mar 14 01:50:56 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

WEATHER COMMENT: mcotter: Mon Mar 14 02:07:43 GMT 2022

It is a spectacularly beautiful day in the neighborhood!

The clouds reported on earlier are still low on the western slope of Maunaloa and clear skies persist all around and in all directions!! Though the aerosols have increased throughout the afternoon, the Kcor NRGF images and synoptic images are still quite good.

____end____

Mon Mar 14 02:18:43 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Mon Mar 14 02:33:58 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

WEATHER COMMENT: mcotter: Mon Mar 14 02:56:36 GMT 2022

Aerosols are getting fairly high, as can be observed in the Kcor NRGF images. I am going to continue to run the instruments for a while longer, though the aerosols are quite noticeable in the images the data may still be satisfactory.

____end____

Mon Mar 14 03:01:55 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

KCOR COMMENT BY mcotter: Mon Mar 14 03:26:58 GMT 2022

The Kcor NRGF images are continuing to look fairly grainy with the aerosols. The Kcor Synoptic images are beginning to get bright backgrounds and appear as a light gray color. I am going to continue to let the instruments run for now, as I am still able to differentiate the coronal ring from the background.

____end____

Mon Mar 14 03:29:53 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

GENERAL COMMENT BY mcotter: Mon Mar 14 03:57:18 GMT 2022

Alas, I tried to run the instrument as long as I could, but aerosols quickly became too much and some Orthographic clouds entered the viewing area. Almost made it the the edge on the mountain!

____end____

GENERAL COMMENT BY mcotter: Mon Mar 14 04:07:31 GMT 2022

Great day!!

____end____

ONSITE STAFF: mcotter