
Mauna Loa Solar Observatory Observer's Log

Mon May 23 16:56:38 GMT 2022

Year: 22 Doy: 143

Observer: mlso

Mon May 23 16:59:23 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Mon May 23 16:59:36 GMT 2022 Kcor Focus/alignment program exited

WEATHER COMMENT: mcotter: Mon May 23 17:03:42 GMT 2022

Temp: 45.7f, Humidity: 13%, Pressure: 28.759in, Wind: 1mph from 152deg, Skies: Skies are clear, though they are a bit hazy. Dark blue gray inversion layer visible on the horizon just below Haleakala. VOG can be seen at lower elevations along the Kohala Coastline, but now nearly as heavy as it was on Saturday. Little to no wind.

____end____

GENERAL COMMENT BY mcotter: Mon May 23 17:03:49 GMT 2022

Opened windows upstairs

____end____

GENERAL COMMENT BY mcotter: Mon May 23 17:04:02 GMT 2022

PM Blew off UCOMP 01

____end____

GENERAL COMMENT BY mcotter: Mon May 23 17:04:10 GMT 2022

PM Blew off Kcor 01

____end____

KCOR COMMENT BY mcotter: Mon May 23 17:05:02 GMT 2022

The Kcor instrument is now observing, though the sky is a bit bright.

____end____

UCOMP COMMENT BY mcotter: Mon May 23 17:05:37 GMT 2022

The Ucomp instrument is now observing, though the sky is a bit bright.

____end____

Mon May 23 17:14:44 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Mon May 23 17:42:59 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Mon May 23 18:10:27 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Mon May 23 18:33:46 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 15

Mon May 23 18:39:02 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Mon May 23 18:54:13 GMT 2022 Running UCOMP Cookbook waves_1074_1hour.cbk line 0

WEATHER COMMENT: mcotter: Mon May 23 19:16:37 GMT 2022

Temp: 51.1f, Humidity: 11%, Pressure: 28.793in, Wind: 4mph from 9deg, Skies: Skies continue to be clear and the brightness of the sky earlier this morning has diminished.

____end____

Mon May 23 19:43:07 GMT 2022 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Mon May 23 19:58:21 GMT 2022 KCOR End Calibration Script

Mon May 23 20:04:10 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Mon May 23 20:31:56 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Mon May 23 20:47:06 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

****Possible CME in Progress mcotter**** : Mon May 23 21:06:55 GMT 2022

Observers report with LOW confidence a CME seeing launching near PA 300 deg with a minimum width of 10 deg at UT time 18:24:10.

This CME appears very faint and was observed using the combination of Kcor NRGF and Kcor Diff imagery. The actual start time appears earlier in the Kcor Diff image (17:21:12 UT time) than what is observed in the Kcor NRGF image (18:24:10).

____end____

Mon May 23 21:14:53 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Mon May 23 21:42:41 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Mon May 23 22:10:20 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Mon May 23 22:25:31 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

GENERAL PROBLEM COMMENT BY mcotter : Mon May 23 22:52:32 GMT 2022

Manually rotated dome to align dome slit with summer time Sun tracking, as the automatic tracking sensors do not advance the dome slit properly with the Sun so far north.

____end____

Mon May 23 22:53:10 GMT 2022 UCOMP Paused for clouds

WEATHER COMMENT: mcotter: Mon May 23 22:55:18 GMT 2022

Orographic clouds have moved into the viewing area from the Saddle Valley and the weste

rn slope of Maunaloa. The sky has also become quite bright at this time as well. Both instruments have been paused due to clouds in the viewing area.

____end____

KCOR COMMENT BY mcotter: Mon May 23 22:55:48 GMT 2022

Kcor has been stopped due to clouds in the viewing area.

____end____

UCoMP COMMENT BY mcotter: Mon May 23 22:56:23 GMT 2022

Ucomp has been paused due to clouds in the viewing area.

____end____

GENERAL COMMENT BY mcotter: Mon May 23 23:49:29 GMT 2022

More Orographic clouds are moving into the viewing area and over the observatory.

The dome shutter doors have been closed until sky conditions improve.

____end____

WEATHER COMMENT: mcotter: Tue May 24 00:44:13 GMT 2022

Conditions continue to grow worse. The sky is now mostly overcast. Fog and mist are visible just below the science area and moving up toward the observatory.

____end____

GENERAL COMMENT BY mcotter: Tue May 24 00:45:13 GMT 2022

The dome windows have been closed in the event fog with mist move into the area of the observatory.

____end____

Tue May 24 01:51:40 GMT 2022 UCoMP Restarted from pause

GENERAL COMMENT BY mcotter: Tue May 24 02:10:09 GMT 2022

The morning was fairly good for observing but around midday Orographic clouds moved into the viewing area and the sky became quite bright. Later in the afternoon fog and mist began to blow through the science area.

____end____

ONSITE STAFF: mcotter