
Mauna Loa Solar Observatory Observer's Log

Mon Jul 4 16:50:18 GMT 2022

Year: 22 Doy: 185

Observer: mlso

WEATHER COMMENT: mcotter: Mon Jul 04 16:54:00 GMT 2022

Temp: 45.8f, Humidity: 18%, Pressure: 28.784in, Wind: 10mph from 109deg, Skies: Thin layers of Cirrus clouds are scattered in different parts of the sky, but mostly to the north and west. Altocumulus and Cumulus clouds are scattered in different parts of the lower sky, but again mostly to the north and west. The inversion layer is difficult to determine because of the scattered clouds at lower elevations but the top of Haleakala is visible. There is also a slight haze to the sky and a light steady wind from the southeast.

____end____

Mon Jul 04 16:55:56 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Mon Jul 04 16:59:00 GMT 2022 Kcor Focus/alignment program exited

KCOR COMMENT BY mcotter: Mon Jul 04 17:01:04 GMT 2022

The Kcor Focus routine image showed the sky to be not too bright, but the auto focus needed to be run several times until a decently shaped parabola was obtained. The level 0 Kcor Synoptic images look good.

Kcor now observing.

____end____

GENERAL COMMENT BY mcotter: Mon Jul 04 17:01:24 GMT 2022

Opened windows upstairs

____end____

GENERAL COMMENT BY mcotter: Mon Jul 04 17:01:31 GMT 2022

PM Blew off UCOMP 01

____end____

GENERAL COMMENT BY mcotter: Mon Jul 04 17:01:47 GMT 2022

PM Blew off Kcor 01

____end____

UCOMP COMMENT BY mcotter: Mon Jul 04 17:02:08 GMT 2022

Ucomp now observing.

____end____

Mon Jul 04 17:11:25 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

KCOR COMMENT BY mcotter: Mon Jul 04 17:32:11 GMT 2022

The Kcor level 01 images are getting bright from the center outward at this time. When looking at the sky it does appear to be bright but there are no noticeable clouds in the viewing area. I am going to let the Kcor instrument continue to observe and see if the change in sky brightness is just a band of high altitude Cirrus that I cannot see with the naked eye and that the instrument will pass through this area of the sky.

____end____

KCOR COMMENT BY mcotter: Mon Jul 04 17:35:28 GMT 2022

The Kcor 01 level images have returned to a more acceptable darker image and the sky appears to have again returned to better observing conditions. The instrument indeed seemed to have passed through a band of high altitude Cirrus and the sky conditions are again acceptable.

____end____

Mon Jul 04 17:39:11 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Mon Jul 04 18:06:39 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

WEATHER COMMENT: mcotter: Mon Jul 04 18:10:28 GMT 2022

High altitude Cirrus clouds are now beginning to show up in the Yawcam preview image. Soon the Sun will begin to advance into the part of the sky that is overcast with Cirrus clouds and the Cirrus clouds extend across the entire sky going toward the west.

Once we enter this portion of the sky the instrument will need to be stopped and the observations suspended.

____end____

KCOR COMMENT BY mcotter: Mon Jul 04 18:13:53 GMT 2022

The Kcor instrument has been stopped due to poor sky conditions.

____end____

Mon Jul 04 18:14:07 GMT 2022 UCOMP Paused for clouds

UCOMP COMMENT BY mcotter: Mon Jul 04 18:14:18 GMT 2022

The Ucomp is now pause due to poor sky conditions.

____end____

WEATHER COMMENT: mcotter: Mon Jul 04 19:21:06 GMT 2022

The sky is completely overcast with high altitude Cirrus and Cirrostratus clouds. A clear bright halo is visible around the Sun at this time.

____end____

Mon Jul 04 20:03:16 GMT 2022 UCoMP Restarted from pause

WEATHER COMMENT: mcotter: Mon Jul 04 20:04:18 GMT 2022

Though the sky remains bright as the spar tracking has entered a clear blue area of the sky. An attempt is to be made to put instruments back on sky.

____end____

KCOR COMMENT BY mcotter: Mon Jul 04 20:04:50 GMT 2022

Kcor is back observing though the sky does remain a bit bright.

____end____

UCoMP COMMENT BY mcotter: Mon Jul 04 20:05:33 GMT 2022

Ucomp is back observing though the sky does remain bright.

____end____

KCOR COMMENT BY mcotter: Mon Jul 04 20:07:30 GMT 2022

The Kcor Synoptic images (level 0) are just a bit bright, mostly from the center outward, but overall the images are decent and quite acceptable.

____end____

Mon Jul 04 20:23:10 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Mon Jul 04 20:31:19 GMT 2022 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Mon Jul 04 20:38:21 GMT 2022 Running UCOMP Cookbook waves_1074_1hour.cbk line 0

Mon Jul 04 20:46:34 GMT 2022 KCOR End Calibration Script

Mon Jul 04 21:48:09 GMT 2022 Running UCOMP Cookbook dark_80ms_2beam_16sums_BOTH.cbk line 0

Mon Jul 04 21:49:26 GMT 2022 Running UCOMP Cookbook 637_Pol_Calibrate.cbk line 0

Mon Jul 04 21:53:29 GMT 2022 Running UCOMP Cookbook 706_Pol_Calibrate.cbk line 0

Mon Jul 04 21:57:32 GMT 2022 Running UCOMP Cookbook 789_Pol_Calibrate.cbk line 0

Mon Jul 04 22:01:45 GMT 2022 Running UCOMP Cookbook 1074_Pol_Calibrate.cbk line 0

Mon Jul 04 22:05:48 GMT 2022 Running UCOMP Cookbook 1079_Pol_Calibrate.cbk line 0

Mon Jul 04 22:09:51 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Mon Jul 04 22:37:39 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Mon Jul 04 22:52:49 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Mon Jul 04 23:20:56 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Mon Jul 04 23:29:27 GMT 2022 UCoMP Paused for clouds

WEATHER COMMENT: mcotter: Tue Jul 05 00:48:59 GMT 2022

High altitude Cirrus and Cirrostratus clouds are again in the viewing area.

The instruments have been paused due to poor sky conditions.

____end____

Tue Jul 05 00:58:56 GMT 2022 UCoMP Restarted from pause

GENERAL COMMENT BY mcotter: Tue Jul 05 01:04:55 GMT 2022

The day started out beautiful with skies a bit bright, but good observations were accomplished. High altitude Cirrus came into the viewing area in the late morning but skies cleared within a short time and observations continued. Cirrus has again returned and the sky has again become quite bright; too bright to observe.

____end____

ONSITE STAFF: mcotter