
Mauna Loa Solar Observatory Observer's Log

Wed Sep 29 16:47:02 GMT 2021

Year: 21 Doy: 272

Observer: mlso

WEATHER COMMENT: mcotter: Wed Sep 29 16:59:03 GMT 2021

Temp: 41.2f, Humidity: 13%, Pressure: 28.672in, Wind: 6mph from 180degs, Skies: Clear skies all around with an inversion 1
ayer visible on the horizon at or just above Haleakala.

____end____

GENERAL COMMENT BY mcotter: Wed Sep 29 17:00:01 GMT 2021

Opened windows upstairs

____end____

GENERAL COMMENT BY mcotter: Wed Sep 29 17:00:13 GMT 2021

PM Blew off UCOMP O1

____end____

GENERAL COMMENT BY mcotter: Wed Sep 29 17:00:22 GMT 2021

PM Blew off Kcor O1

____end____

Wed Sep 29 17:01:41 GMT 2021 Running UCOMP Cookbook dark_80ms_2beam_16sums_BOTH.cbk line 0

UCOMP COMMENT BY mcotter: Wed Sep 29 17:02:04 GMT 2021

Ucomp instrument up and running.

____end____

Wed Sep 29 17:03:07 GMT 2021 Running UCOMP Cookbook 530_Scan.cbk line 0

Wed Sep 29 17:06:40 GMT 2021 Running UCOMP Cookbook 637_Scan.cbk line 0

Wed Sep 29 17:09:39 GMT 2021 Running UCOMP Cookbook 656_Scan.cbk line 0

Wed Sep 29 17:12:36 GMT 2021 Running UCOMP Cookbook 691_Scan.cbk line 0

Wed Sep 29 17:13:24 GMT 2021 Kcor Focus/alignment program exited

Wed Sep 29 17:15:34 GMT 2021 Running UCOMP Cookbook 706_Scan.cbk line 0

KCOR COMMENT BY mcotter: Wed Sep 29 17:17:37 GMT 2021

Kcor instrument up and running.

SGS offsets:X(RA): -140, Y(Dec): 90.

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

____end____

Wed Sep 29 17:20:44 GMT 2021 Running UCOMP Cookbook 789_Scan.cbk line 0

Wed Sep 29 17:23:42 GMT 2021 Running UCOMP Cookbook 1074_Scan.cbk line 0

Wed Sep 29 17:26:41 GMT 2021 Running UCOMP Cookbook 1079_Scan.cbk line 0

Wed Sep 29 17:29:38 GMT 2021 Running UCOMP Cookbook 1083_Scan.cbk line 0

Wed Sep 29 17:32:34 GMT 2021 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

GENERAL COMMENT BY mcotter: Wed Sep 29 17:59:01 GMT 2021

Lots of aerosols are visible in the Kcor NRGF image. I will continue to monitor and report if conditions worsen.

____end____

Wed Sep 29 18:05:32 GMT 2021 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

****Possible CME in Progress mcotter**** : Wed Sep 29 18:28:04 GMT 2021

Possible CME seen launching near PA 250 deg at time 18:06:06 UT.

____end____

Wed Sep 29 18:35:08 GMT 2021 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Wed Sep 29 18:58:37 GMT 2021 Running UCOMP Cookbook all_wavelength_coronal.cbk line 19

Wed Sep 29 19:25:13 GMT 2021 Running UCOMP Cookbook 706_Pol_Calibrate.cbk line 0
Wed Sep 29 19:29:33 GMT 2021 Running UCOMP Cookbook 789_Pol_Calibrate.cbk line 0
Wed Sep 29 19:33:53 GMT 2021 Running UCOMP Cookbook 1074_Pol_Calibrate.cbk line 0
Wed Sep 29 19:38:16 GMT 2021 Running UCOMP Cookbook 1079_Pol_Calibrate.cbk line 0
Wed Sep 29 19:42:35 GMT 2021 Running UCOMP Cookbook 1083_Pol_Calibrate.cbk line 0
Wed Sep 29 19:46:54 GMT 2021 Running UCOMP Cookbook waves_1074_1hour.cbk line 0
Wed Sep 29 20:23:49 GMT 2021 Running UCOMP Cookbook waves_1074_1hour.cbk line 72
Wed Sep 29 20:42:04 GMT 2021 Running UCOMP Cookbook waves_1074_1hour.cbk line 104
Wed Sep 29 20:45:43 GMT 2021 Running UCOMP Cookbook waves_1074_1hour.cbk line 108

Log Type BY Observer: Wed Sep 29 20:47:43 GMT 2021

Aerosols have increased significantly, as observed in the Kcor NRGF and Kcor Quicklook images.

____end____

Wed Sep 29 20:55:52 GMT 2021 Running UCOMP Cookbook sumtest-1074.cbk line 0
Wed Sep 29 21:01:18 GMT 2021 Running UCOMP Cookbook dark_200_1sums_80ms.cbk line 0
Wed Sep 29 21:06:24 GMT 2021 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0
Wed Sep 29 21:14:46 GMT 2021 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini
Wed Sep 29 21:29:58 GMT 2021 KCOR End Calibration Script
Wed Sep 29 21:39:52 GMT 2021 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

GENERAL COMMENT BY Observer: Wed Sep 29 22:04:43 GMT 2021

Aerosols continue to increase, as seen in the Kcor NRGF and Kcor Quicklook images. Additionally, the area around the occulter disk in the Kcor-Stand Alone Image Acquisition GUI is beginning to brighten slightly.

____end____

Wed Sep 29 22:09:39 GMT 2021 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0
Wed Sep 29 22:27:19 GMT 2021 UCoMP Paused for clouds
Thu Sep 30 00:45:50 GMT 2021 UCoMP Restarted from pause

GENERAL COMMENT BY mcotter: Thu Sep 30 03:19:14 GMT 2021

Clouds moved into the viewing area in the early afternoon obscuring the viewing area and quickly turned to mist and rain.

____end____

GENERAL COMMENT BY mcotter: Thu Sep 30 03:22:23 GMT 2021

I continued to work on drilling and tapping the spar. While doing this I noticed that the wires for the ladder to raise and lower the platform was pulled away from the box and frayed. I repaired the cable going into the box and remounted the switch. I also replaced the power strip that was on the ladder with a unit I found in the control room as the power strip had a strong electrical smell as if it may have been over heating.

____end____

ONSITE STAFF: mcotter