
Mauna Loa Solar Observatory Observer's Log

Sat Nov 27 17:32:27 GMT 2021

Year: 21 Doy: 331

Observer: mlso

WEATHER COMMENT: mcotter: Sat Nov 27 17:33:53 GMT 2021

Temp: 41.8f, Humidity: 12%, Pressure: 28.739in, Wind: 7mph from 180degs, Skies: Relatively clear skies overhead but there are high altitude Cirrus clouds present on the eastern and southern horizon. The inversion layer is visible on the horizon at or just below Haleakala. Light steady breeze blowing out of the south.

____end____

GENERAL COMMENT BY mcotter: Sat Nov 27 17:42:25 GMT 2021

Opened windows upstairs

____end____

GENERAL COMMENT BY mcotter: Sat Nov 27 17:42:37 GMT 2021

PM Blew off UCOMP 01

____end____

GENERAL COMMENT BY mcotter: Sat Nov 27 17:42:53 GMT 2021

PM Blew off Kcor 01

____end____

Sat Nov 27 17:47:32 GMT 2021 Kcor Focus/alignment program exited

Sat Nov 27 17:48:03 GMT 2021 Running UCOMP Cookbook dark_80ms_2beam_16sums_BOTH.cbk line 0

Sat Nov 27 17:49:20 GMT 2021 Running UCOMP Cookbook 637_Scan.cbk line 0

Sat Nov 27 17:51:28 GMT 2021 Running UCOMP Cookbook 656_Scan.cbk line 0

KCOR PROBLEM COMMENT BY mcotter : Sat Nov 27 17:51:11 GMT 2021

Something is up with the Kcor-MC4U GUI, as sometimes it flickers rapidly but then comes back up. I noticed this earlier in the week but forgot to make a note of it. The program appears to operate normally but the action is not normal.

____end____

Sat Nov 27 17:53:18 GMT 2021 Running UCOMP Cookbook 789_Scan.cbk line 0

Sat Nov 27 17:55:07 GMT 2021 Running UCOMP Cookbook 1074_Scan.cbk line 0

KCOR COMMENT BY mcotter: Sat Nov 27 17:55:25 GMT 2021

Kcor instrument up and running. The sky appeared a bit bright in the Kcor focus routine, and I had to run the focus routine several times, but I finally got a decently shaped parabola and the initial Kcor- Stand Alone Images look acceptable.

SGS Offsets: X(RA): 40, Y(Dec): -1.

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

____end____

UCOMP COMMENT BY mcotter: Sat Nov 27 17:55:53 GMT 2021

Ucomp instrument up and running.

____end____

Sat Nov 27 17:56:56 GMT 2021 Running UCOMP Cookbook 1079_Scan.cbk line 0

Sat Nov 27 17:58:46 GMT 2021 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

GENERAL COMMENT BY mcotter: Sat Nov 27 18:09:18 GMT 2021

When I came in this morning the monitor images had no problems.

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Sat Nov 27 18:16:53 GMT 2021 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Sat Nov 27 19:28:04 GMT 2021 Running UCOMP Cookbook dark_80ms_2beam_16sums_BOTH.cbk line 0

Sat Nov 27 19:29:21 GMT 2021 Running UCOMP Cookbook 637_Pol_Calibrate.cbk line 0

Sat Nov 27 19:33:43 GMT 2021 Running UCOMP Cookbook 656_Pol_Calibrate.cbk line 0

Sat Nov 27 19:37:48 GMT 2021 Running UCOMP Cookbook 789_Pol_Calibrate.cbk line 0

Sat Nov 27 19:41:52 GMT 2021 Running UCOMP Cookbook 1074_Pol_Calibrate.cbk line 0

Sat Nov 27 19:45:55 GMT 2021 Running UCOMP Cookbook 1079_Pol_Calibrate.cbk line 0

Sat Nov 27 19:49:59 GMT 2021 Running UCOMP Cookbook waves_1074_1hour.cbk line 0

Sat Nov 27 20:02:54 GMT 2021 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Sat Nov 27 20:18:11 GMT 2021 KCOR End Calibration Script

Sat Nov 27 20:59:38 GMT 2021 Running UCOMP Cookbook dark_200_1sums_80ms.cbk line 0

Sat Nov 27 21:04:40 GMT 2021 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Sat Nov 27 21:23:06 GMT 2021 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Sat Nov 27 22:07:18 GMT 2021 Running UCOMP Cookbook all_wavelength_coronal.cbk line 22

Sat Nov 27 22:14:23 GMT 2021 Running UCOMP Cookbook all_wavelength_coronal.cbk line 25

Sat Nov 27 22:27:40 GMT 2021 UCoMP Paused for clouds

Sat Nov 27 22:46:13 GMT 2021 Kcor Focus/alignment program exited

GENERAL COMMENT BY mcotter: Sat Nov 27 22:46:11 GMT 2021

Instrument have been paused due to the skies getting too bright with aerosols.

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Sat Nov 27 22:58:07 GMT 2021 UCoMP Restarted from pause

GENERAL COMMENT BY mcotter: Sat Nov 27 23:04:39 GMT 2021

The lower dome shutter door was hanging up when I engaged the "Lower Control Switch". The tension spring did not appear to be applying enough force upon the control arm to start moving the door downward. I tightened the control arm tension spring by rotating the nuts that are on the eye screw that the spring is affixed to. I operated the lower dome shutter door afterwards and it appeared to operate normally.

___end___

GENERAL COMMENT BY mcotter: Sat Nov 27 23:07:35 GMT 2021

Thought there were some high altitude Cirrus clouds this morning on the horizon and the sky initially appeared a bit bright, the observing images looked good this morning. Just after noon HST the sky became quite bright with aerosols.

___end___

ONSITE STAFF: mcotter