
Mauna Loa Solar Observatory Observer's Log

Sat Nov 20 17:16:29 GMT 2021

Year: 21 Doy: 324

Observer: mlso

WEATHER COMMENT: mcotter: Sat Nov 20 17:25:55 GMT 2021

Temp: 42.2f, Humidity: 26%, Pressure: 28.732in, Wind: 8mph from 145deg, Skies: Clear skies with steady wind from the south-southeast. Inversion layer visible on the horizon below Haleakala.

____end____

GENERAL COMMENT BY mcotter: Sat Nov 20 17:26:01 GMT 2021

Opened windows upstairs

____end____

GENERAL COMMENT BY mcotter: Sat Nov 20 17:26:09 GMT 2021

PM Blew off UCOMP 01

____end____

GENERAL COMMENT BY mcotter: Sat Nov 20 17:26:15 GMT 2021

PM Blew off Kcor 01

____end____

Sat Nov 20 17:37:12 GMT 2021 Running UCOMP Cookbook dark_80ms_2beam_16sums_BOTH.cbk line 0

Sat Nov 20 17:37:27 GMT 2021 Kcor Focus/alignment program exited

Sat Nov 20 17:38:29 GMT 2021 Running UCOMP Cookbook 637_Scan.cbk line 0

UCOMP COMMENT BY mcotter: Sat Nov 20 17:38:07 GMT 2021

Ucomp instrument now running.

____end____

Sat Nov 20 17:40:37 GMT 2021 Running UCOMP Cookbook 656_Scan.cbk line 0

KCOR COMMENT BY mcotter: Sat Nov 20 17:40:04 GMT 2021

Kcor instrument now running.

SGS offsets: X(RA): 34, Y(Dec): -5.

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

____end____

Sat Nov 20 17:42:27 GMT 2021 Running UCOMP Cookbook 789_Scan.cbk line 0

Sat Nov 20 17:44:16 GMT 2021 Running UCOMP Cookbook 1074_Scan.cbk line 0

Sat Nov 20 17:46:06 GMT 2021 Running UCOMP Cookbook 1079_Scan.cbk line 0

Sat Nov 20 17:47:55 GMT 2021 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk line 0

Sat Nov 20 18:06:02 GMT 2021 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0

Sat Nov 20 19:17:21 GMT 2021 Running UCOMP Cookbook dark_80ms_2beam_16sums_BOTH.cbk line 0

Sat Nov 20 19:18:38 GMT 2021 Running UCOMP Cookbook 637_Pol_Calibrate.cbk line 0

Sat Nov 20 19:23:02 GMT 2021 Running UCOMP Cookbook 656_Pol_Calibrate.cbk line 0

Sat Nov 20 19:27:06 GMT 2021 Running UCOMP Cookbook 789_Pol_Calibrate.cbk line 0

Sat Nov 20 19:31:10 GMT 2021 Running UCOMP Cookbook 1074_Pol_Calibrate.cbk line 0

Sat Nov 20 19:35:14 GMT 2021 Running UCOMP Cookbook 1079_Pol_Calibrate.cbk line 0

Sat Nov 20 19:39:18 GMT 2021 Running UCOMP Cookbook waves_1074_1hour.cbk line 0

GENERAL COMMENT BY mcotter: Sat Nov 20 19:39:24 GMT 2021

This morning when I started the monitors several monitors had display issues (monitor 7, 8 & 9) and the images were all distorted. I had only saw this once before and Ben was with me at the time and he fixed the problem. I texted Ben and he texted me back instructions to correct the issues. The "Moonfish" computer had become corrupted and the displays were affected. I manually restarted the Moonfish computer and was able to straighten out the display image discrepancies. Afterward the GONG programs would not come up, so again Ben texted me the commands to start the GONG apps.

____end____

Sat Nov 20 19:53:07 GMT 2021 UCOMP Paused for clouds

GENERAL COMMENT BY mcotter: Sat Nov 20 20:04:25 GMT 2021

I have paused both instruments as the images became quite bright. Looking at the Yawcam-Preview image there did not appear to be any clouds in the image of the sky. Going outside and looking at the sky I could see bits of high altitude Cirrus in various areas of the sky. Looking toward the Sun I could not see any Cirrus in the area of the viewing area so I tried starting the Kcor instrument again, but the image is totally over saturated with light so again the instrument has been paused. I will try again in a little while to see if this is just a passing event, or if indeed high altitude Cirrus is forming across the sky, though only visible by eye in small areas.

____end____

WEATHER COMMENT: mcotter: Sat Nov 20 20:13:34 GMT 2021

High altitude Cirrus is now visible in the Yawcam-Preview image. I will continue to watch the skies and periodically try the instruments to see if the skies are still too bright for collecting data.

____end____

Sat Nov 20 20:45:15 GMT 2021 Kcor Focus/alignment program exited

Sat Nov 20 21:05:52 GMT 2021 Kcor Focus/alignment program exited

GENERAL COMMENT BY mcotter: Sat Nov 20 21:05:55 GMT 2021

I have again tried starting Kcor but the sky continues to be much too bright to observe

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____end____

Sat Nov 20 21:45:11 GMT 2021 Kcor Focus/alignment program exited

Sat Nov 20 21:48:09 GMT 2021 UCoMP Restarted from pause

GENERAL COMMENT BY mcotter: Sat Nov 20 21:49:06 GMT 2021

The sky appears a bit bright but I tried starting the instruments and the images, though a little bright, appear acceptable.

Kcor and Ucomp are again running.

____end____

Sat Nov 20 21:51:38 GMT 2021 Running UCOMP Cookbook waves_1074_1hour.cbk line 32

Sat Nov 20 22:04:49 GMT 2021 UCoMP Paused for clouds

GENERAL COMMENT BY mcotter: Sat Nov 20 22:15:32 GMT 2021

The images have become over saturated with light and both instruments have been stopped

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____end____

WEATHER COMMENT: mcotter: Sat Nov 20 22:19:43 GMT 2021

High altitude Cirrus is now present across all areas of the sky and Orthographic clouds are moving into the observatory area from the west-northwest.

____end____

GENERAL COMMENT BY mcotter: Sat Nov 20 22:23:29 GMT 2021

The early morning was beautiful and it looked like it was going to be a fine clear day, but by mid morning the sky had started to get very bright with aerosols. By late morning high altitude Cirrus began moving in from the west and also began forming slowly in the sky. I tried several times to pause and restart the instruments but the clouds won out.

____end____

Sat Nov 20 22:25:06 GMT 2021 UCoMP Restarted from pause

GENERAL COMMENT BY mcotter: Sat Nov 20 22:26:38 GMT 2021

Kcor and Ucomp instruments stopped.

____end____

ONSITE STAFF: mcotter