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Mauna Loa Solar Observatory Observer's Log  
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Sat Aug 28 16:35:39 GMT 2021

Year: 21 Doy: 240

Observer: mlso

WEATHER COMMENT: mcotter: Sat Aug 28 16:36:59 GMT 2021

Temp: 42.5f, Humidity: 20%, Pressure: 28.623in, Wind: 7mph from 182degs, Skies: Clear but somewhat hazy skies. Altocumulus clouds in the Saddle Valley. Inversion layer visible at or above Maunakea.

\_\_\_\_end\_\_\_\_

GENERAL COMMENT BY mcotter: Sat Aug 28 16:45:18 GMT 2021

PM Blew off UCoMP 01

\_\_\_\_end\_\_\_\_

GENERAL COMMENT BY mcotter: Sat Aug 28 16:45:26 GMT 2021

PM Blew off Kcor 01

\_\_\_\_end\_\_\_\_

GENERAL COMMENT BY mcotter: Sat Aug 28 16:45:58 GMT 2021

Opened windows upstairs

\_\_\_\_end\_\_\_\_

Sat Aug 28 17:09:02 GMT 2021 Kcor Focus/alignment program exited

Sat Aug 28 17:10:33 GMT 2021 UCoMP Restarted from pause

KCOR COMMENT BY mcotter: Sat Aug 28 17:14:29 GMT 2021

Kcor now running.

SGS offsets: X(RA): -126, Y(Dec): 92.

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

\_\_\_\_end\_\_\_\_

Sat Aug 28 17:14:56 GMT 2021 Running UCOMP Cookbook dark\_80ms\_2beam\_16sums\_BOTH.ckb

UCoMP COMMENT BY mcotter: Sat Aug 28 17:20:57 GMT 2021

Ucomp left running in the pause for cloud state. I tried stopping and then restarting the program but it was unresponsive.

I aborted the program using the "Stop Sign" icon. I restarted the program by engaging the "Arrow" button, loaded the dail y.menu menu and it is now running normal. When I centered the occulter it need to be adjuste using the left button several time as there was significan light leakage around the left side of the occulter as looking at the image.

\_\_\_\_end\_\_\_\_

UCoMP COMMENT BY mcotter: Sat Aug 28 17:30:22 GMT 2021

Ucomp seems to be hung up, and has not updated in approximately 15 minutes.

Restarting Ucomp.

\_\_\_\_end\_\_\_\_

Sat Aug 28 17:46:38 GMT 2021 Running UCOMP Cookbook dark\_80ms\_2beam\_16sums\_BOTH.ckb

Sat Aug 28 17:47:04 GMT 2021 Running UCOMP Cookbook 530\_Scan.ckb

\*\*UCoMP PROBLEM COMMENT BY mcotter\*\* : Sat Aug 28 17:48:07 GMT 2021

I un-engaged the "Run Cookbook" button and hit the "Stop Program" button approximately three minutes ago and the program h as not stopped and is sitting unresponsive. I exited the program and attempted to restart. I dialogue box came up stating "LabVIEW: Resource not found". I tried again restarting the program and the same dialogue boc came up. I re-started the co mputer. The computer came up, though a little slow, and I was able to restart the Ucomp program.

Ucomp now running. I will continue to monitor closely to ensure it does not hang up again.

\_\_\_\_end\_\_\_\_

Sat Aug 28 17:50:28 GMT 2021 Running UCOMP Cookbook 637\_Scan.ckb

Sat Aug 28 17:53:27 GMT 2021 Running UCOMP Cookbook 656\_Scan.ckb

Sat Aug 28 17:56:24 GMT 2021 Running UCOMP Cookbook 691\_Scan.ckb  
Sat Aug 28 17:59:21 GMT 2021 Running UCOMP Cookbook 706\_Scan.ckb

UCoMP COMMENT BY mcotter: Sat Aug 28 18:00:01 GMT 2021

Ucomp continues to operate normally.

\_\_\_\_end\_\_\_\_

Sat Aug 28 18:02:18 GMT 2021 Running UCOMP Cookbook 789\_Scan.ckb  
Sat Aug 28 18:05:16 GMT 2021 Running UCOMP Cookbook 1074\_Scan.ckb  
Sat Aug 28 18:08:15 GMT 2021 Running UCOMP Cookbook 1079\_Scan.ckb  
Sat Aug 28 18:11:12 GMT 2021 Running UCOMP Cookbook 1083\_Scan.ckb  
Sat Aug 28 18:14:09 GMT 2021 Running UCOMP Cookbook all\_coronal\_7\_flats.ckb  
Sat Aug 28 18:38:23 GMT 2021 Running UCOMP Cookbook all\_coronal\_7.ckb  
Sat Aug 28 18:54:23 GMT 2021 Running UCOMP Cookbook all\_coronal\_7.ckb  
Sat Aug 28 19:05:05 GMT 2021 Running UCOMP Cookbook all\_coronal\_7.ckb  
Sat Aug 28 19:29:05 GMT 2021 Running UCOMP Cookbook dark\_80ms\_2beam\_16sums\_BOTH.ckb  
Sat Aug 28 19:29:31 GMT 2021 Running UCOMP Cookbook 530\_Pol\_Calibrate.ckb  
Sat Aug 28 19:34:12 GMT 2021 Running UCOMP Cookbook 637\_Pol\_Calibrate.ckb  
Sat Aug 28 19:38:33 GMT 2021 Running UCOMP Cookbook 656\_Pol\_Calibrate.ckb  
Sat Aug 28 19:41:51 GMT 2021 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini  
Sat Aug 28 19:42:52 GMT 2021 Running UCOMP Cookbook 691\_Pol\_Calibrate.ckb  
Sat Aug 28 19:47:12 GMT 2021 Running UCOMP Cookbook 706\_Pol\_Calibrate.ckb  
Sat Aug 28 19:51:32 GMT 2021 Running UCOMP Cookbook 789\_Pol\_Calibrate.ckb  
Sat Aug 28 19:55:52 GMT 2021 Running UCOMP Cookbook 1074\_Pol\_Calibrate.ckb  
Sat Aug 28 19:57:04 GMT 2021 KCOR End Calibration Script  
Sat Aug 28 20:00:23 GMT 2021 Running UCOMP Cookbook 1079\_Pol\_Calibrate.ckb  
Sat Aug 28 20:04:42 GMT 2021 Running UCOMP Cookbook 1083\_Pol\_Calibrate.ckb  
Sat Aug 28 20:09:01 GMT 2021 Running UCOMP Cookbook waves\_1074\_1hour.ckb  
Sat Aug 28 21:08:58 GMT 2021 Running UCOMP Cookbook waves\_1074\_1hour.ckb  
Sat Aug 28 21:13:32 GMT 2021 Running UCOMP Cookbook dark\_200\_200\_1sums\_80ms.ckb  
Sat Aug 28 21:18:35 GMT 2021 Running UCOMP Cookbook all\_coronal\_7\_flats.ckb  
Sat Aug 28 21:43:17 GMT 2021 Running UCOMP Cookbook all\_coronal\_7.ckb  
Sat Aug 28 22:07:48 GMT 2021 Running UCOMP Cookbook all\_coronal\_7.ckb  
Sat Aug 28 22:31:59 GMT 2021 Running UCOMP Cookbook all\_coronal\_7.ckb

GENERAL COMMENT BY mcotter: Sat Aug 28 22:42:02 GMT 2021

The sky is getting bright as aerosols have picked up in the Kcor NRGF image.

\_\_\_\_end\_\_\_\_

Sat Aug 28 22:56:11 GMT 2021 Running UCOMP Cookbook all\_coronal\_7.ckb  
Sat Aug 28 22:58:56 GMT 2021 UCoMP Paused for clouds  
Sat Aug 28 23:16:27 GMT 2021 UCoMP Restarted from pause  
Sat Aug 28 23:24:24 GMT 2021 UCoMP Paused for clouds

GENERAL COMMENT BY mcotter: Sat Aug 28 23:26:28 GMT 2021

Clouds have been forming and dissipating above the observatory for approximately the last hour. For a while we were able to continue observing as none of the clouds were directly blocking the viewing area, but now they are increasing and the clouds are thick enough where the instruments need to be paused.

\_\_\_\_end\_\_\_\_

KCOR COMMENT BY mcotter: Sat Aug 28 23:26:45 GMT 2021

Kcomp stopped for clouds.

\_\_\_\_end\_\_\_\_

UCoMP COMMENT BY mcotter: Sat Aug 28 23:27:09 GMT 2021

Ucomp paused for clouds.

\_\_\_\_end\_\_\_\_

Sat Aug 28 23:51:43 GMT 2021 UCoMP Restarted from pause

Sun Aug 29 00:05:01 GMT 2021 Running UCOMP Cookbook 1074\_Pol\_Calibrate.ckb

Sun Aug 29 00:08:57 GMT 2021 Running UCOMP Cookbook dark\_200\_200\_lsums\_80ms.ckb

Sun Aug 29 00:14:00 GMT 2021 Running UCOMP Cookbook all\_coronal\_7\_flats.ckb

GENERAL COMMENT BY mcotter: Sun Aug 29 00:24:01 GMT 2021

The clouds that were forming above the observatory have now completely dissipated and the sky is clear. Over the summit of Maunaloa, to the south, I can see Orthographic cloud beginning to climb over the volcano. To the north Altocumulus clouds have filled the Saddle Valley and are slowly making there way up toward the observatory.

\_\_\_\_end\_\_\_\_

KCOR COMMENT BY mcotter: Sun Aug 29 00:25:28 GMT 2021

Though the sky is a little bright the Kcor instrument is again running.

\_\_\_\_end\_\_\_\_

UCoMP COMMENT BY mcotter: Sun Aug 29 00:26:19 GMT 2021

Though the sky is a little bright the Ucomp instrument is again running.

\_\_\_\_end\_\_\_\_

Sun Aug 29 00:38:05 GMT 2021 Running UCOMP Cookbook all\_coronal\_7.ckb

Sun Aug 29 01:02:45 GMT 2021 Running UCOMP Cookbook all\_coronal\_7.ckb

Sun Aug 29 01:26:58 GMT 2021 Running UCOMP Cookbook all\_coronal\_7.ckb

Sun Aug 29 01:51:17 GMT 2021 Running UCOMP Cookbook all\_coronal\_7.ckb

Sun Aug 29 02:08:36 GMT 2021 Running UCOMP Cookbook all\_coronal\_7.ckb

GENERAL COMMENT BY mcotter: Sun Aug 29 02:12:00 GMT 2021

The sky, though clear, has become much too bright for the instruments to observe.

Kcor has been stopped.

Ucomp has been stopped.

\_\_\_\_end\_\_\_\_

GENERAL COMMENT BY mcotter: Sun Aug 29 02:31:13 GMT 2021

Beautiful day for observing!

At mid day clouds began to form and dissipate over the observatory and the instruments needed to be paused, but after a short time the clouds were gone and the instruments stayed on until the sky became too bright to run.

\_\_\_\_end\_\_\_\_

GENERAL COMMENT BY mcotter: Sun Aug 29 02:31:47 GMT 2021

Emptied trash cans in the dome and the control room.

\_\_\_\_end\_\_\_\_

GENERAL COMMENT BY mcotter: Sun Aug 29 02:49:42 GMT 2021

Twice today the mouse stopped working. I unplugged and then re-plugged in the USB cable and it worked one time. The other time I had to power cycle the KVM computer and then it came back up working.

\_\_\_\_end\_\_\_\_

ONSITE STAFF: mcotter