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Mauna Loa Solar Observatory Observer's Log  
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Mon Sep 13 17:14:34 GMT 2021

Year: 21 Doy: 256

Observer: mlso

Mon Sep 13 17:15:37 GMT 2021 Kcor Focus/alignment program exited

Mon Sep 13 17:29:15 GMT 2021 Running UCOMP Cookbook dark\_80ms\_2beam\_16sums\_BOTH.ckb line 0

WEATHER COMMENT: mcotter: Mon Sep 13 17:29:47 GMT 2021

Temp: 48.0f, Humidity: 14%, Pressure: 28.694in, Wind: 8mph from 71degs, Skies: Clear but hazy skies. Light inversion layer visible just below Haleakala.

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

GENERAL COMMENT BY mcotter: Mon Sep 13 17:29:56 GMT 2021

Opened windows upstairs

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

GENERAL COMMENT BY mcotter: Mon Sep 13 17:30:05 GMT 2021

PM Blew off UCOMP 01

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

GENERAL COMMENT BY mcotter: Mon Sep 13 17:30:14 GMT 2021

PM Blew off Kcor 01

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

Mon Sep 13 17:30:40 GMT 2021 Running UCOMP Cookbook 530\_Scan.ckb line 0

KCOR COMMENT BY mcotter: Mon Sep 13 17:31:36 GMT 2021

Kcor now running.

SGS offsets: X(RA): -130, Y(Dec): 90.

Polarization good: Mid, Bright, Dark, Mid.

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

Mon Sep 13 17:34:04 GMT 2021 Running UCOMP Cookbook 637\_Scan.ckb line 0

Mon Sep 13 17:37:03 GMT 2021 Running UCOMP Cookbook 656\_Scan.ckb line 0

Mon Sep 13 17:40:00 GMT 2021 Running UCOMP Cookbook 691\_Scan.ckb line 0

Mon Sep 13 17:42:57 GMT 2021 Running UCOMP Cookbook 706\_Scan.ckb line 0

Mon Sep 13 17:45:54 GMT 2021 Running UCOMP Cookbook 789\_Scan.ckb line 0

Mon Sep 13 17:48:52 GMT 2021 Running UCOMP Cookbook 1074\_Scan.ckb line 0

Mon Sep 13 17:51:52 GMT 2021 Running UCOMP Cookbook 1079\_Scan.ckb line 0

Mon Sep 13 17:54:49 GMT 2021 Running UCOMP Cookbook 1083\_Scan.ckb line 0

Mon Sep 13 17:57:46 GMT 2021 Running UCOMP Cookbook all\_coronal\_7\_flats.ckb line 0

Mon Sep 13 18:21:23 GMT 2021 Running UCOMP Cookbook all\_coronal\_7.ckb line 0

Mon Sep 13 18:45:06 GMT 2021 Running UCOMP Cookbook all\_coronal\_7.ckb line 0

Mon Sep 13 19:08:31 GMT 2021 Running UCOMP Cookbook dark\_80ms\_2beam\_16sums\_BOTH.ckb line 0

Mon Sep 13 19:09:54 GMT 2021 Running UCOMP Cookbook 530\_Pol\_Calibrate.ckb line 0

Mon Sep 13 19:14:35 GMT 2021 Running UCOMP Cookbook 637\_Pol\_Calibrate.ckb line 0

Mon Sep 13 19:18:57 GMT 2021 Running UCOMP Cookbook 656\_Pol\_Calibrate.ckb line 0

Mon Sep 13 19:23:16 GMT 2021 Running UCOMP Cookbook 691\_Pol\_Calibrate.ckb line 0

Mon Sep 13 19:27:46 GMT 2021 Running UCOMP Cookbook 706\_Pol\_Calibrate.ckb line 0

Mon Sep 13 19:32:05 GMT 2021 Running UCOMP Cookbook 789\_Pol\_Calibrate.ckb line 0

Mon Sep 13 19:36:26 GMT 2021 Running UCOMP Cookbook 1074\_Pol\_Calibrate.ckb line 0

Mon Sep 13 19:40:48 GMT 2021 Running UCOMP Cookbook 1079\_Pol\_Calibrate.ckb line 0

Mon Sep 13 19:45:09 GMT 2021 Running UCOMP Cookbook 1083\_Pol\_Calibrate.ckb line 0

Mon Sep 13 19:49:28 GMT 2021 Running UCOMP Cookbook sumtest-1074.ckb line 0  
Mon Sep 13 19:55:16 GMT 2021 Running UCOMP Cookbook waves\_1074\_1hour.ckb line 0  
Mon Sep 13 19:58:56 GMT 2021 Running UCOMP Cookbook waves\_1074\_1hour.ckb line 5  
Mon Sep 13 20:21:46 GMT 2021 Running UCOMP Cookbook waves\_1074\_1hour.ckb line 47  
Mon Sep 13 21:02:52 GMT 2021 Running UCOMP Cookbook dark\_200\_200\_1sums\_80ms.ckb line 0  
Mon Sep 13 21:07:57 GMT 2021 Running UCOMP Cookbook all\_coronal\_7\_flats.ckb line 0  
Mon Sep 13 21:31:54 GMT 2021 Running UCOMP Cookbook all\_coronal\_7.ckb line 0  
Mon Sep 13 21:55:35 GMT 2021 Running UCOMP Cookbook all\_coronal\_7.ckb line 0  
Mon Sep 13 22:19:01 GMT 2021 Running UCOMP Cookbook all\_coronal\_7.ckb line 0  
Mon Sep 13 22:42:24 GMT 2021 Running UCOMP Cookbook all\_coronal\_7.ckb line 0

\*\*\*\*Possible CME in Progress mcotter\*\*\*\* : Mon Sep 13 22:54:45 GMT 2021

Possible CME seen launching near PA:240 deg at time 21:16 UT.

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

\*\*\*\*Possible CME in Progress mcotter\*\*\*\* : Mon Sep 13 23:00:14 GMT 2021

Possible CME seen launching near PA:240 at time 19:36 UT.

When reviewing the CME from 21:16 UT, I could also make out another CME originating from the same area a little earlier.

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

WEATHER COMMENT: mcotter: Mon Sep 13 23:05:30 GMT 2021

Temp: 50.4f, Humidity: 66%, Pressure: 28.648in, Wind: 4mph from 355degs, Skies: Orthographic clouds are beginning to make their way toward the observatory from the north-northwest. The sky is becoming much brighter.

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

Mon Sep 13 23:05:59 GMT 2021 UCoMP Paused for clouds

WEATHER COMMENT: mcotter: Tue Sep 14 00:12:45 GMT 2021

Orthographic clouds moved in from the Saddle Valley and are now covering the sky over the observatory.

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

UCoMP COMMENT BY mcotter: Tue Sep 14 00:13:14 GMT 2021

Ucomp has been paused at this time for clouds.

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

KCOR COMMENT BY mcotter: Tue Sep 14 00:13:41 GMT 2021

Kcor has been stopped at this time because of clouds.

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

GENERAL COMMENT BY mcotter: Tue Sep 14 00:14:30 GMT 2021

The dome shutter doors and windows have been closed in the event of precipitation.

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

WEATHER COMMENT: mcotter: Tue Sep 14 01:37:23 GMT 2021

Temp: 50.5f, Humidity: 73%, Pressure: 28.596in, Wind: 7mph from 26degs, Skies: The heavy cloud coverage has broken up but clouds continue to form and disperse, then again form and disperse over the observatory and in the viewing area leaving the sky much too bright to observe.

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

Tue Sep 14 02:14:53 GMT 2021 UCoMP Restarted from pause

GENERAL COMMENT BY mcotter: Tue Sep 14 02:28:29 GMT 2021

Nice morning with clear skies. Clouds moved into the area of the observatory late in the morning and finally Kcor and Ucomp needed to be stopped.

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

ONSITE STAFF: mcotter