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Mauna Loa Solar Observatory Observer's Log  
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Mon Aug 16 16:29:16 GMT 2021

Year: 21 Doy: 228

Observer: mlso

WEATHER COMMENT: mcotter: Mon Aug 16 16:31:12 GMT 2021

Temp: 37.0f, Humidity: 20%, Pressure: 28.658in, Wind: 9mph from 178degs, Skies: Clear skies overhead with some low level Cumulus clouds in the Saddle Valley.

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

WEATHER COMMENT: mcotter: Mon Aug 16 16:40:41 GMT 2021

Inversion layer visible on the horizon at or above Maunakea.

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

GENERAL COMMENT BY mcotter: Mon Aug 16 16:40:49 GMT 2021

Opened windows upstairs

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

GENERAL COMMENT BY mcotter: Mon Aug 16 16:40:57 GMT 2021

PM Blew off UCOMP O1

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

GENERAL COMMENT BY mcotter: Mon Aug 16 16:41:09 GMT 2021

PM Blew off Kcor O1

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

Mon Aug 16 16:45:39 GMT 2021 Running UCOMP Cookbook dark\_80ms\_2beam\_16sums\_BOTH.ckb

Mon Aug 16 16:46:01 GMT 2021 Running UCOMP Cookbook 530\_Scan.ckb

Mon Aug 16 16:49:21 GMT 2021 Running UCOMP Cookbook 637\_Scan.ckb

UCOMP COMMENT BY mcotter: Mon Aug 16 16:51:12 GMT 2021

Ucomp up and running.

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

Mon Aug 16 16:52:16 GMT 2021 Running UCOMP Cookbook 656\_Scan.ckb

Mon Aug 16 16:55:09 GMT 2021 Running UCOMP Cookbook 691\_Scan.ckb

Mon Aug 16 16:58:03 GMT 2021 Running UCOMP Cookbook 706\_Scan.ckb

Mon Aug 16 17:00:56 GMT 2021 Running UCOMP Cookbook 789\_Scan.ckb

Mon Aug 16 17:03:50 GMT 2021 Running UCOMP Cookbook 1074\_Scan.ckb

Mon Aug 16 17:05:57 GMT 2021 Kcor Focus/alignment program exited

Mon Aug 16 17:06:46 GMT 2021 Running UCOMP Cookbook 1079\_Scan.ckb

KCOR COMMENT BY mcotter: Mon Aug 16 17:09:32 GMT 2021

Kcor up and running.

Lots of aerosols were visible when running the focus routine but a very nicely shaped parabola was obtained on the first try.

SGS offsets: X(RA): -125, Y(Dec): 80.

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

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

Mon Aug 16 17:09:39 GMT 2021 Running UCOMP Cookbook 1083\_Scan.ckb

Mon Aug 16 17:12:32 GMT 2021 Running UCOMP Cookbook all\_coronal\_7\_flats.ckb

Mon Aug 16 17:30:58 GMT 2021 Running UCOMP Cookbook all\_coronal\_7.ckb

Mon Aug 16 17:50:04 GMT 2021 Running UCOMP Cookbook all\_coronal\_7.ckb

Mon Aug 16 18:09:38 GMT 2021 Running UCOMP Cookbook all\_coronal\_7.ckb

Mon Aug 16 18:11:03 GMT 2021 Running UCOMP Cookbook dark\_80ms\_2beam\_16sums\_BOTH.ckb

Mon Aug 16 18:11:25 GMT 2021 Running UCOMP Cookbook 530\_Pol\_Calibrate.ckb  
Mon Aug 16 18:16:08 GMT 2021 Running UCOMP Cookbook 637\_Pol\_Calibrate.ckb  
Mon Aug 16 18:20:26 GMT 2021 Running UCOMP Cookbook 656\_Pol\_Calibrate.ckb  
Mon Aug 16 18:24:41 GMT 2021 Running UCOMP Cookbook 691\_Pol\_Calibrate.ckb  
Mon Aug 16 18:28:57 GMT 2021 Running UCOMP Cookbook 706\_Pol\_Calibrate.ckb  
Mon Aug 16 18:33:13 GMT 2021 Running UCOMP Cookbook 789\_Pol\_Calibrate.ckb  
Mon Aug 16 18:37:30 GMT 2021 Running UCOMP Cookbook 1074\_Pol\_Calibrate.ckb

WEATHER COMMENT: mcotter: Mon Aug 16 18:38:21 GMT 2021

Very light wind blowing from the north. Cumulus clouds are rapidly increasing in the Saddle Valley below the observatory level.

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

Mon Aug 16 18:41:48 GMT 2021 Running UCOMP Cookbook 1079\_Pol\_Calibrate.ckb  
Mon Aug 16 18:46:13 GMT 2021 Running UCOMP Cookbook 1083\_Pol\_Calibrate.ckb  
Mon Aug 16 18:50:28 GMT 2021 Running UCOMP Cookbook dark\_200\_200\_1sums\_80ms.ckb  
Mon Aug 16 18:55:30 GMT 2021 Running UCOMP Cookbook all\_coronal\_7\_flats.ckb  
Mon Aug 16 19:14:06 GMT 2021 Running UCOMP Cookbook all\_coronal\_7.ckb  
Mon Aug 16 19:33:21 GMT 2021 Running UCOMP Cookbook all\_coronal\_7.ckb  
Mon Aug 16 19:50:39 GMT 2021 Running UCOMP Cookbook all\_coronal\_7.ckb  
Mon Aug 16 19:53:35 GMT 2021 Running UCOMP Cookbook all\_coronal\_7.ckb  
Mon Aug 16 20:12:23 GMT 2021 Running UCOMP Cookbook all\_coronal\_7.ckb

WEATHER COMMENT: mcotter: Mon Aug 16 20:14:55 GMT 2021

Overhead the sky continues to remain beautifully clear with some lower level Cumulus clouds accumulating in the Saddle Valley below the level of the observatory. The wind continues to be light from the north-northeast.

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

Mon Aug 16 20:29:58 GMT 2021 Running UCOMP Cookbook all\_coronal\_7.ckb  
Mon Aug 16 20:33:20 GMT 2021 Running UCOMP Cookbook all\_coronal\_7.ckb  
Mon Aug 16 20:33:32 GMT 2021 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini  
Mon Aug 16 20:34:45 GMT 2021 Running UCOMP Cookbook 1074\_Pol\_Calibrate.ckb  
Mon Aug 16 20:41:45 GMT 2021 Running UCOMP Cookbook 1074\_Pol\_Calibrate.ckb  
Mon Aug 16 20:45:33 GMT 2021 Running UCOMP Cookbook dark\_80ms\_2beam\_16sums\_BOTH.ckb  
Mon Aug 16 20:45:55 GMT 2021 Running UCOMP Cookbook 530\_Scan.ckb  
Mon Aug 16 20:48:48 GMT 2021 KCOR End Calibration Script  
Mon Aug 16 20:48:56 GMT 2021 Running UCOMP Cookbook 637\_Scan.ckb  
Mon Aug 16 20:51:51 GMT 2021 Running UCOMP Cookbook 656\_Scan.ckb  
Mon Aug 16 20:59:46 GMT 2021 Running UCOMP Cookbook all\_coronal\_7\_flats.ckb  
Mon Aug 16 21:18:28 GMT 2021 Running UCOMP Cookbook all\_coronal\_7.ckb  
Mon Aug 16 21:27:47 GMT 2021 UCOMP Paused for clouds

GENERAL COMMENT BY mcotter: Mon Aug 16 22:19:31 GMT 2021

Cumulus clouds moved up from the Saddle Valley below and Altocumulus clouds began forming over the observatory. Kcor and Ucomp were both stopped because of clouds in the viewing area at approximately 11:30am HST.

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

GENERAL COMMENT BY mcotter: Mon Aug 16 22:20:46 GMT 2021

The sky is now completely overcast with wisps of fog blowing through the science area. The dome shutter doors and windows are now closed until conditions improve.

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

Mon Aug 16 22:21:59 GMT 2021 UCOMP Restarted from pause

WEATHER COMMENT: mcotter: Tue Aug 17 02:00:31 GMT 2021

Temp: 48.2f, Humidity: 87%, Pressure: 28.606in, Wind: 7mph from 319degs, Skies: Skies are completely overcast and have been

n since approximately 12:15pm HST.

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

GENERAL COMMENT BY mcotter: Tue Aug 17 02:01:10 GMT 2021

I emptied the trash in the control room.

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

WEATHER COMMENT: mcotter: Tue Aug 17 02:33:00 GMT 2021

Dense fog with light steady rain.

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

ONSITE STAFF: mcotter