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Mauna Loa Solar Observatory Observer's Log  
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Mon Sep 19 16:52:37 GMT 2022

Year: 22 Doy: 262

Observer: mlso

WEATHER COMMENT: mcotter: Mon Sep 19 16:59:40 GMT 2022

Temp: 48.2f, Humidity: 20%, Pressure: 28.642in, Wind: 10mph from 157 degs. Clouds in the Saddle Valley up to approximately 8000' elevation. Moderate steady winds from the Southeast. No discernible inversion layer on the horizon.

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

GENERAL COMMENT BY mcotter: Mon Sep 19 17:00:36 GMT 2022

Opened windows upstairs

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

GENERAL COMMENT BY mcotter: Mon Sep 19 17:00:43 GMT 2022

PM Blew off UCOMP 01

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

GENERAL COMMENT BY mcotter: Mon Sep 19 17:00:49 GMT 2022

PM Blew off Kcor 01

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

Mon Sep 19 17:11:31 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal\_flat.cbk line 0

Mon Sep 19 17:12:23 GMT 2022 Kcor Focus/alignment program exited

GENERAL COMMENT BY mcotter: Mon Sep 19 17:17:47 GMT 2022

Kcor and Ucomp are now observing.

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

Mon Sep 19 17:32:23 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Mon Sep 19 18:10:52 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Mon Sep 19 18:48:53 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Mon Sep 19 19:22:26 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 18

Mon Sep 19 19:27:44 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal\_flat.cbk line 0

Mon Sep 19 19:48:18 GMT 2022 Running UCOMP Cookbook waves\_1074\_1hour.cbk line 0

Mon Sep 19 19:54:01 GMT 2022 UCOMP Paused for clouds

Mon Sep 19 20:02:37 GMT 2022 UCOMP Restarted from pause

Mon Sep 19 21:01:21 GMT 2022 UCOMP Paused for clouds

Mon Sep 19 21:05:45 GMT 2022 UCOMP Restarted from pause

Mon Sep 19 21:11:35 GMT 2022 Running UCOMP Cookbook dark\_80ms\_2beam\_16sums\_BOTH.cbk line 0

Mon Sep 19 21:12:53 GMT 2022 Running UCOMP Cookbook 637\_Pol\_Calibrate.cbk line 0

\*\*\*\*EVENT COMMENT BY mcotter\*\*\*\* : Mon Sep 19 21:12:20 GMT 2022

The Southeast quadrant of the Sun is showing elevated activity. The Kcor Diff images show coronal loops fluctuating at PA 110 degs with possible breaking of the loops. The Kcor or NRGF images are faint and do not point to any obvious CME activity.

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

Mon Sep 19 21:16:52 GMT 2022 Running UCOMP Cookbook 706\_Pol\_Calibrate.cbk line 0

Mon Sep 19 21:20:15 GMT 2022 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Mon Sep 19 21:20:56 GMT 2022 Running UCOMP Cookbook 789\_Pol\_Calibrate.cbk line 0

Mon Sep 19 21:25:00 GMT 2022 Running UCOMP Cookbook 1074\_Pol\_Calibrate.cbk line 0

Mon Sep 19 21:29:04 GMT 2022 Running UCOMP Cookbook 1079\_Pol\_Calibrate.cbk line 0

Mon Sep 19 21:33:17 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

Mon Sep 19 21:35:30 GMT 2022 KCOR End Calibration Script

Mon Sep 19 21:35:50 GMT 2022 UCOMP Paused for clouds

Mon Sep 19 21:37:10 GMT 2022 UCOMP Restarted from pause

Mon Sep 19 21:37:36 GMT 2022 UCOMP Paused for clouds

Mon Sep 19 21:42:28 GMT 2022 UCOMP Restarted from pause

Mon Sep 19 21:49:40 GMT 2022 UCOMP Paused for clouds

WEATHER COMMENT: mcotter: Mon Sep 19 21:49:57 GMT 2022

Orographic clouds have moved into the science area from the Northwest and are also forming and dissipating in the viewing area. Additionally, the sky has had a thin layer of high altitude Cirrus prevalent throughout the morning which has passed through the viewing area at various times. The instruments have been paused and restarted several times this morning due to these anomalies.

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

Mon Sep 19 21:57:21 GMT 2022 UCOMP Restarted from pause

Mon Sep 19 22:00:19 GMT 2022 UCOMP Paused for clouds

Mon Sep 19 22:14:28 GMT 2022 UCoMP Restarted from pause  
Mon Sep 19 22:32:56 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 17  
Mon Sep 19 22:40:46 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal\_flat.cbk line 0  
Mon Sep 19 22:50:19 GMT 2022 UCoMP Paused for clouds  
Mon Sep 19 22:58:58 GMT 2022 UCoMP Restarted from pause  
Mon Sep 19 22:59:49 GMT 2022 UCoMP Paused for clouds  
Mon Sep 19 23:08:25 GMT 2022 UCoMP Restarted from pause  
Mon Sep 19 23:18:17 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0  
Mon Sep 19 23:26:13 GMT 2022 UCoMP Paused for clouds  
Mon Sep 19 23:55:49 GMT 2022 UCoMP Restarted from pause  
Tue Sep 20 00:19:23 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 17  
Tue Sep 20 00:27:13 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0  
Tue Sep 20 00:29:09 GMT 2022 UCoMP Paused for clouds  
Tue Sep 20 00:33:07 GMT 2022 UCoMP Restarted from pause  
Tue Sep 20 00:36:50 GMT 2022 UCoMP Paused for clouds  
Tue Sep 20 00:39:35 GMT 2022 UCoMP Restarted from pause  
Tue Sep 20 00:50:36 GMT 2022 UCoMP Paused for clouds  
Tue Sep 20 01:15:09 GMT 2022 UCoMP Restarted from pause

GENERAL COMMENT BY mcotter: Tue Sep 20 01:19:28 GMT 2022

The day started clear but by late morning Orographic clouds began to enter the science area with clouds forming and dissipating in the viewing area. The instruments were repeatedly paused and restarted as the sky provided windows of blue sky to observe through, but finally the clouds became prevalent and increased aerosols necessitated the stopping of the instruments for the day.

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

GENERAL COMMENT BY mcotter: Tue Sep 20 02:45:17 GMT 2022

An excessive amount of oscillation was noticed in the RA amp traces (this happened approximately 2:00pm HST). The RA Mechanism clutch was tightened up.

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

ONSITE STAFF: berkey, mcotter