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Mauna Loa Solar Observatory Observer's Log  
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Sat Jul 10 16:44:24 GMT 2021

Year: 21 Doy: 191

Observer: mlso

WEATHER COMMENT: mcotter: Sat Jul 10 16:50:04 GMT 2021

Temp: 44.1f, Humidity: 35%, Pressure: 28.677in, Wind: 5mph from 209degs, Skies: Mostly overcast skies with high altitude C irrus and Cirrostratus and mid level Altocumulus clouds prevalent across most of the sky. Light wind from the southwest. C clouds in the Saddle Valley with fog, mist and rain to approximately 7,500' elevation.

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

GENERAL COMMENT BY mcotter: Sat Jul 10 16:50:28 GMT 2021

Holding off on opening dome until skies clear.

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

WEATHER COMMENT: mcotter: Sat Jul 10 17:26:42 GMT 2021

High altitude cloud coverage is still quite prevalent but it does seem to be thinning a little bit.

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

GENERAL COMMENT BY mcotter: Sat Jul 10 17:27:05 GMT 2021

The dome is now open.

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

GENERAL COMMENT BY mcotter: Sat Jul 10 17:27:12 GMT 2021

Opened windows upstairs

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

GENERAL COMMENT BY mcotter: Sat Jul 10 17:27:19 GMT 2021

PM Blew off UCoMP 01

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

GENERAL COMMENT BY mcotter: Sat Jul 10 17:27:26 GMT 2021

PM Blew off Kcor 01

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

KCOR COMMENT BY mcotter: Sat Jul 10 17:30:30 GMT 2021

I tried starting Kcor but the sky is much too bright at this time.

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

UCoMP COMMENT BY mcotter: Sat Jul 10 17:33:25 GMT 2021

I tried starting Ucomp but the sky is much too bright at this time.

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

Sat Jul 10 18:21:16 GMT 2021 Kcor Focus/alignment program exited

KCOR COMMENT BY mcotter: Sat Jul 10 18:24:18 GMT 2021

Tried running Kcor again but the sky remains much too bright.

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

UCoMP COMMENT BY mcotter: Sat Jul 10 18:24:59 GMT 2021

Tried again running Ucomp but the sky remains much too bright.

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

Sat Jul 10 18:42:39 GMT 2021 Kcor Focus/alignment program exited

Sat Jul 10 19:07:03 GMT 2021 Kcor Focus/alignment program exited

Sat Jul 10 19:12:32 GMT 2021 Running UCOMP Cookbook all\_coronal\_7\_flats.ckb

KCOR COMMENT BY mcotter: Sat Jul 10 19:15:24 GMT 2021

The sky is still quite bright but I was able to run the Kcor focus routine and obtain a decent parabola.

SGS offsets: X(RA): -138, Y(Dec): 85.

Polarization checked: Mid, Bright, Dark, Mid.

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

UCoMP COMMENT BY mcotter: Sat Jul 10 19:16:46 GMT 2021

Ucomp up and running the "daily.menu" program.

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

Sat Jul 10 19:29:40 GMT 2021 Running UCOMP Cookbook all\_coronal\_7.ckb

Sat Jul 10 19:36:40 GMT 2021 Running UCOMP Cookbook all\_coronal\_7.ckb

Sat Jul 10 19:39:51 GMT 2021 Running UCOMP Cookbook all\_coronal\_7.ckb

KCOR COMMENT BY mcotter: Sat Jul 10 19:49:06 GMT 2021

The Kcor Stand Alone Image has started to become over saturated from the relatively bright sky.

Kcor has been pause until sky conditions improve.

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

Sat Jul 10 19:49:28 GMT 2021 Running UCOMP Cookbook all\_coronal\_7.ckb

Sat Jul 10 19:58:06 GMT 2021 Running UCOMP Cookbook all\_coronal\_7.ckb

KCOR COMMENT BY mcotter: Sat Jul 10 20:02:13 GMT 2021

The sky is still bright but I restarted Kcor. The Stand Alone Image is slightly bright but I think that it is acceptable.

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

Sat Jul 10 20:08:02 GMT 2021 Running UCOMP Cookbook 530\_Scan.ckb

KCOR COMMENT BY mcotter: Sat Jul 10 20:08:32 GMT 2021

Kcor has again been stopped.

The sky is again very bright and the Kcor Stand Alone Image has become light saturated.

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

Sat Jul 10 20:22:34 GMT 2021 Running UCOMP Cookbook 637\_Scan.ckb

Sat Jul 10 20:36:45 GMT 2021 Running UCOMP Cookbook 656\_Scan.ckb

KCOR COMMENT BY mcotter: Sat Jul 10 20:38:28 GMT 2021

The sky remains too bright for Kcor observing.

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

Sat Jul 10 20:51:48 GMT 2021 Running UCOMP Cookbook all\_coronal\_7\_flats.ckb

Sat Jul 10 20:54:49 GMT 2021 Running UCOMP Cookbook all\_coronal\_7\_flats.ckb

Sat Jul 10 21:11:14 GMT 2021 Running UCOMP Cookbook all\_coronal\_7.ckb

Sat Jul 10 21:15:43 GMT 2021 UCoMP Paused for clouds

UCoMP COMMENT BY mcotter: Sat Jul 10 21:18:59 GMT 2021

I started Ucomp again but clouds have returned, so again it has been paused for clouds.

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

KCOR COMMENT BY mcotter: Sat Jul 10 21:19:34 GMT 2021

Kcor continues to be down for now due to increasing cloud coverage.

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

KCOR COMMENT BY mcotter: Sat Jul 10 21:36:40 GMT 2021

I tried restarting Kcor but the sky continues to be much too bright.

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

GENERAL COMMENT BY mcotter: Sat Jul 10 23:19:39 GMT 2021

Unfortunately not a good day for observing. High altitude Cirrus and Altocumulus clouds were present from early morning. I was able to run Kcor and Ucomp for a short while but the sky became very bright and high altitude clouds increased and the instrument were shut down.

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

GENERAL COMMENT BY mcotter: Sat Jul 10 23:22:24 GMT 2021

Emptied trash in the dome and the two trash receptacles in the control room were emptied. Additionally I changed the tack mat in the dome vestibule area. The control room floor was swept ( thank you for the new brooms and dust pan ) and the tab

les were wiped down.

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

GENERAL COMMENT BY mcotter: Sat Jul 10 23:23:15 GMT 2021

I cleaned and straightened out the office supply drawer.

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

GENERAL COMMENT BY mcotter: Sat Jul 10 23:24:38 GMT 2021

I removed the e-waste and N/G batteries from the control room and will bring them to be recycled in Hilo.

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

ONSITE STAFF: mcotter