

-----  
Mauna Loa Solar Observatory Observer's Log  
-----

Sat Aug 22 16:25:23 GMT 2020

Year: 20 Doy: 235

Observer: mlso

WEATHER COMMENT: mcotter: Sat Aug 22 16:26:30 GMT 2020

Temp: 42.1f, Humidity: 21%, Pressure: 28.723in, Wind: 9mph from 159degs, Skies: Lovely morning but lots and lots of high altitude clouds.

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

GENERAL COMMENT BY mcotter: Sat Aug 22 16:27:05 GMT 2020

GONG shack door open.

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

GENERAL COMMENT BY mcotter: Sat Aug 22 16:39:12 GMT 2020

Opened windows upstairs

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

GENERAL COMMENT BY mcotter: Sat Aug 22 16:41:38 GMT 2020

PM Blew off Kcor O1: Dust artifact clearly seen on lens at approximately the 10 o'clock position, 2" from edge. Tried several times blowing it off but it will not budge.

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

GENERAL COMMENT BY mcotter: Sat Aug 22 17:09:50 GMT 2020

Clouds on the horizon. Tried moving lens cover out and image became over saturated.

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

Sat Aug 22 17:33:32 GMT 2020 Kcor Focus/alignment program exited

GENERAL COMMENT BY mcotter: Sat Aug 22 17:35:39 GMT 2020

Sky still a bit bright but the telescope has risen above the horizon clouds. Ran auto focus and have nice image.

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

Sat Aug 22 17:36:08 GMT 2020 KCOR Start Synoptic Patrol

GENERAL COMMENT BY mcotter: Sat Aug 22 18:05:54 GMT 2020

Clouds moving in to viewing area. Stopped K-cor and put lens cover into place.

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

GENERAL COMMENT BY mcotter: Sat Aug 22 18:21:54 GMT 2020

Restarted K-cor and removed lens cover.

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

GENERAL COMMENT BY mcotter: Sat Aug 22 18:24:09 GMT 2020

High altitude clouds moving in and out of view. Some patches of blue sky in between, although bright. Leaving "Science Data" button off for now.

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

GENERAL COMMENT BY mcotter: Sat Aug 22 18:35:34 GMT 2020

No more blue sky and all clouds have moved into view. Stopped K-cor and put lens cover in place.

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

GENERAL COMMENT BY mcotter: Sat Aug 22 18:44:20 GMT 2020

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

GENERAL COMMENT BY mcotter: Sat Aug 22 18:44:52 GMT 2020

Restarted K-cor, removed lens cover.

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

Sat Aug 22 18:59:53 GMT 2020 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Sat Aug 22 19:15:06 GMT 2020 KCOR End Calibration Script  
GENERAL COMMENT BY mcotter: Sat Aug 22 19:22:16 GMT 2020  
Clouds in view. Stopped K-cor.

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

GENERAL COMMENT BY mcotter: Sat Aug 22 20:27:37 GMT 2020  
Restarted k-cor.

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

Sat Aug 22 21:17:38 GMT 2020 KCOR Start Synoptic Patrol  
GPS COMMENT by MLSO: Sat Aug 22 21:45:09 GMT 2020  
Successfully logged in to system

Good disk mount

GPS software running

Last 5 GPS data files are:

/mnt/usb/dataoutiq\_2020\_230\_2145.bin 2147483647

/mnt/usb/dataoutiq\_2020\_231\_2145.bin 2147483647

/mnt/usb/dataoutiq\_2020\_232\_2145.bin 2147483647

/mnt/usb/dataoutiq\_2020\_233\_2145.bin 222314112

/mnt/usb/dataoutiq\_2020\_234\_2145.bin 2147483647

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

GENERAL COMMENT BY mcotter: Sat Aug 22 23:44:49 GMT 2020  
Clouds moving into view.stopped K-cor.

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

GENERAL COMMENT BY mcotter: Sun Aug 23 00:07:38 GMT 2020  
Broken clouds passing by in viewing area. Some nice blue sky can be seen in holes in the clouds. Restarted K-cor; perhaps some nice images can be gotten in the open areas.

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

GENERAL COMMENT BY mcotter: Sun Aug 23 00:17:43 GMT 2020  
Clouds becoming too thick. Stop K-cor.

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

GENERAL COMMENT BY mcotter: Sun Aug 23 00:18:22 GMT 2020  
Closed Dome shutter doors and windows.

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

GENERAL COMMENT BY mcotter: Sun Aug 23 01:36:59 GMT 2020

The early morning had some high altitude clouds obstructing view, but they gave way to bright blue sky until early afternoon. Intermittent clouds began to come with areas of blue sky in between. Became mostly cloudy and had to finally stop K-cor and close dome.

PLEASE NOTE: There are two straight lines visible in the K-cor image emanating from the occulter disk to the edge of image, located at 70deg and 25deg. I believe there is only one line, but the display is showing it twice. It appears to be a perfectly straight line so it is hard to tell if it is an artifact on the lens, or possibly a dropout in a pixel row. Recommend investigating.

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

ONSITE STAFF: mcotter

ONSITE STAFF: