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Mauna Loa Solar Observatory Observer's Log  
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Sun Sep 20 16:57:46 GMT 2020

Year: 20 Doy: 264

Observer: mlso

WEATHER COMMENT: mcotter: Sun Sep 20 16:59:57 GMT 2020

Temp: 48.6f, Humidity: 6%, Pressure: 28.661in, Wind: 5mph from 122degs, Skies: Very hazy skies. High altitude Cirrus prevalent throughout sky. Thick inversion layer clearly observed higher than Maunakea.

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

GONG COMMENT BY mcotter: Sun Sep 20 17:00:21 GMT 2020

GONG shack door open.

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

GENERAL COMMENT BY mcotter: Sun Sep 20 17:08:30 GMT 2020

Opened windows upstairs

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

GENERAL COMMENT BY mcotter: Sun Sep 20 17:09:07 GMT 2020

Opened dome shutter doors.

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

GENERAL COMMENT BY mcotter: Sun Sep 20 17:10:54 GMT 2020

PM Blew off Kcor O1. Dust artifact present at 10 o'clock position and at 11 o'clock position, approx 2" and 2.5 " from edge respectively that would not blow off with compressed air.

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

GENERAL COMMENT BY mcotter: Sun Sep 20 17:12:31 GMT 2020

Successfully aligned spar to sun. The sky is very bright so I am unsure whether observing is possible.

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

GENERAL COMMENT BY mcotter: Sun Sep 20 17:23:28 GMT 2020

Shabar running.

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

Sun Sep 20 17:27:12 GMT 2020 Kcor Focus/alignment program exited

GENERAL COMMENT BY mcotter: Sun Sep 20 17:29:54 GMT 2020

It took several tries at the focus routine to get a relatively decent parabola. Running K-cor, but the sky is bright.

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

Sun Sep 20 17:54:50 GMT 2020 Kcor Focus/alignment program exited

GENERAL COMMENT BY mcotter: Sun Sep 20 17:56:28 GMT 2020

Readjusted occulter and re-ran focus routine and got a very well shaped parabola. Restarted K-cor.

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

Sun Sep 20 19:01:18 GMT 2020 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Sun Sep 20 19:16:33 GMT 2020 KCOR End Calibration Script

Sun Sep 20 20:01:06 GMT 2020 Kcor Focus/alignment program exited

Sun Sep 20 20:47:01 GMT 2020 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Sun Sep 20 21:02:15 GMT 2020 KCOR End Calibration Script

WEATHER COMMENT: mcotter: Sun Sep 20 21:22:38 GMT 2020

Temp: 57.6f, Humidity: 11%, Pressure: 28.673in, Wind: 17mph from 42degs, Skies: High altitude Cirrus clouds are increasing over the sky. Images are becoming over saturated. Pausing K-cor, and will wait to see if clouds decrease.

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

GPS COMMENT by MLSO: Sun Sep 20 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\_259\_2145.bin 2147483647

/mnt/usb/dataoutiq\_2020\_260\_2145.bin 2147483647

/mnt/usb/dataoutiq\_2020\_261\_2145.bin 2147483647

/mnt/usb/dataoutiq\_2020\_262\_2145.bin 2147483647

/mnt/usb/dataoutiq\_2020\_263\_2145.bin 2147483647

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

GENERAL COMMENT BY mcotter: Mon Sep 21 00:31:37 GMT 2020

Sky is still slightly overcast with Cirrus clouds, but I have restarted K-cor. Image is a little bright, but good enough to take data. I have let the K-cor instrument run for approx an hour and the sky has become overwhelmingly overcast and the images are becoming over saturated. I am shutting down K-cor.

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

GONG COMMENT BY mcotter: Mon Sep 21 00:47:46 GMT 2020

GONG shack door closed.

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

GENERAL COMMENT BY mcotter: Mon Sep 21 00:48:19 GMT 2020

Closed dome shutter doors and windows.

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

GENERAL COMMENT BY mcotter: Mon Sep 21 00:51:14 GMT 2020

Day began with lots of High altitude Cirrus clouds but I was able to get some data most of the morning where the images were not too over bright. Toward noon time conditions progressively got worse.

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

ONSITE STAFF: mcotter