
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

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