
Mauna Loa Solar Observatory Observer's Log

Sat Nov 28 17:20:54 GMT 2020

Year: 20 Doy: 333

Observer: mcotter

WEATHER COMMENT: mcotter: Sat Nov 28 17:22:58 GMT 2020

Temp: 35.8f, Humidity: 13%, Pressure: 28.692in, Wind: 7mph from 234deg, Skies: Clear skies overhead, Cumulus clouds on the horizon. Slightly hazy inversion layer visible on the horizon at the level of Maunakea.

____end____

GENERAL COMMENT BY mcotter: Sat Nov 28 17:31:57 GMT 2020

Opened windows upstairs

____end____

GENERAL COMMENT BY mcotter: Sat Nov 28 17:32:04 GMT 2020

PM Blew off Kcor 01

____end____

Sat Nov 28 17:46:08 GMT 2020 Kcor Focus/alignment program exited

GENERAL COMMENT BY mcotter: Sat Nov 28 17:47:56 GMT 2020

Sky is a little bright, but the Focus routine and a nicely shaped parabola was obtained. Kcor running.

____end____

GENERAL COMMENT BY mcotter: Sat Nov 28 18:09:10 GMT 2020

Kcor NRGF image came up but did not look right. I tried putting the Polarizer into the beam to see if there was an error. The images were not in their correct sequence (normal from top: mid, bright, dark, mid), so I quit Kcor and re-opened the program. I verified the images again with the Polarizer in the beam and the images appeared correctly. Still waiting for the Kcor NRGF image to appear.

____end____

Sat Nov 28 18:16:27 GMT 2020 Kcor Focus/alignment program exited

GENERAL COMMENT BY mcotter: Sat Nov 28 18:24:43 GMT 2020

Kcor NRGF image came up and looked much better, but it appeared to be just slightly blurry. I quit Kcor, re-centered the occulter and re-ran the focus routine a couple of times until a nicely shaped parabola was obtained. The Kcor NRGF image now appears to as it should.

____end____

Sat Nov 28 21:28:57 GMT 2020 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Sat Nov 28 21:44:13 GMT 2020 KCOR End Calibration Script

GPS COMMENT by MLSO: Sat Nov 28 21:45:11 GMT 2020

Successfully logged in to system

Good disk mount

GPS software running

Last 5 GPS data files are:

/mnt/usb/dataoutiq_2020_328_2146.bin 2147483647

/mnt/usb/dataoutiq_2020_329_2146.bin 2147483647

/mnt/usb/dataoutiq_2020_330_2146.bin 0

/mnt/usb/dataoutiq_2020_331_2146.bin 0

/mnt/usb/dataoutiq_2020_332_2146.bin 0

Disk usage: 2099204 -rw-r--r-- 1 root root 2147483647 Oct 21 14:07 /mnt/usb/dataoutiq_2020_294_2145.bin

____end____

GENERAL COMMENT BY mcotter: Sat Nov 28 21:56:54 GMT 2020

I have been monitoring the occulter position all morning and have been continuously adjusting for optimal position. I was able to successfully run the Calibration sequence. Everything looks good.

____end____

GENERAL COMMENT BY mcotter: Sat Nov 28 23:03:37 GMT 2020

Orographic clouds have formed on the western slope of Maunaloa and have pushed their way up over the observatory. Cirrus clouds are also forming over the observatory and beginning to get in the way of viewing. I am going to let Kcor continue to run until it gets too cloudy.

____end____

GENERAL COMMENT BY mcotter: Sat Nov 28 23:09:46 GMT 2020

Cloud coverage has increased dramatically. Kcor paused, Lens cover in beam.

____end____

GENERAL COMMENT BY mcotter: Sat Nov 28 23:36:05 GMT 2020

I saw a patch of blue sky so I started Kcor again.

____end____

GENERAL COMMENT BY mcotter: Sun Nov 29 00:00:09 GMT 2020

All patches of blue sky have disappeared. Cloud coverage is increasing rapidly. Pausing Kcor.

____end____

GENERAL COMMENT BY mcotter: Sun Nov 29 00:03:42 GMT 2020

Closed dome windows and shutter doors in the event of precipitation.

____end____

GENERAL COMMENT BY mcotter: Sun Nov 29 00:21:34 GMT 2020

Cloud coverage has broken up a little bit so I have opened the dome and started the Spar tracking.

____end____

GENERAL COMMENT BY mcotter: Sun Nov 29 00:50:27 GMT 2020

Cloud coverage has increased and fog is beginning to roll through the area of the observatory. I have again shut the dome up in the event of precipitation.

____end____

GENERAL COMMENT BY mcotter: Sun Nov 29 02:03:32 GMT 2020

Very good observing during the morning. Clouds began to form in the early afternoon preventing any decent observing later in the day.

____end____

ONSITE STAFF: