
Mauna Loa Solar Observatory Observer's Log

Sat Oct 24 16:40:41 GMT 2020

Year: 20 Doy: 298

Observer: mlso

WEATHER COMMENT: mcotter: Sat Oct 24 16:47:17 GMT 2020

Temp: 40.1f, Humidity: 53%, Pressure: 28.703in, Wind: 6mph from 176degs, Skies: Altocumulus, Cumulonimbus and Stratocumulus clouds on the horizon. Heavy pink grey inversion layer visible on the horizon at or above Maunakea. Frost present in areas of walkway.

____end____

GENERAL COMMENT BY mcotter: Sat Oct 24 16:55:15 GMT 2020

Opened windows upstairs

____end____

GENERAL COMMENT BY mcotter: Sat Oct 24 16:55:22 GMT 2020

PM Blew off Kcor 01

____end____

Sat Oct 24 17:24:23 GMT 2020 Kcor Focus/alignment program exited

Sat Oct 24 17:26:48 GMT 2020 Kcor Focus/alignment program exited

GENERAL COMMENT BY mcotter: Sat Oct 24 17:27:59 GMT 2020

Kcor running.

____end____

Sat Oct 24 17:45:08 GMT 2020 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Sat Oct 24 18:00:23 GMT 2020 KCOR End Calibration Script

GONG COMMENT BY mcotter: Sat Oct 24 19:04:33 GMT 2020

GONG shack door open.

____end____

Sat Oct 24 19:11:34 GMT 2020 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Sat Oct 24 19:26:49 GMT 2020 KCOR End Calibration Script

Sat Oct 24 19:46:39 GMT 2020 Kcor Focus/alignment program exited

GENERAL COMMENT BY mcotter: Sat Oct 24 20:00:01 GMT 2020

The Kcor image looked like it may have had a bad calibration so I ran the calibration soon after starting Kcor. The image did not change. I waited until after 9:00am HST and ran another calibration. I paused Kcor, went back and ran the Focus routine again. I obtained a decent parabola, then checked the polarization image, as Lisa showed me, to see if the four Kcor Stand Alone Acquisition images came up properly. With the Diffuser and Polarizer lenses in the images appeared from top to bottom MID, BRIGHT, DARK, MID. The Kcor image now appears to be correct.

____end____

GENERAL COMMENT BY mcotter: Sat Oct 24 20:01:10 GMT 2020

While running the Focus routine lots of aerosols can be observed in image.

____end____

GENERAL COMMENT BY mcotter: Sat Oct 24 21:03:20 GMT 2020

Cirrus clouds forming and increasing over the observatory. Pausing Kcor.

____end____

GENERAL COMMENT BY mcotter: Sat Oct 24 21:31:03 GMT 2020

Cumulus clouds forming to the South and increasing. Tried restarting Kcor, but increasing clouds forming over the summit required me to shutdown again after just a few minutes.

____end____

GPS COMMENT by MLSO: Sat Oct 24 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_293_2145.bin 2147483647

/mnt/usb/dataoutiq_2020_294_2145.bin 2147483647

/mnt/usb/dataoutiq_2020_295_2145.bin 2147483647

/mnt/usb/dataoutiq_2020_296_2145.bin 2147483647

/mnt/usb/dataoutiq_2020_297_2145.bin 2147483647

Disk usage: /dev/sda1 916.9G 189.6G 680.6G 22% /mnt/usb

____end____

GENERAL COMMENT BY mcotter: Sat Oct 24 22:13:30 GMT 2020

Dark gray Orographic clouds have come up from the east and have combined with the Cumulus clouds from the South. The summit is now completely covered in dark grey clouds. I h

ave closed the dome Shutter doors and windows until conditions improve.

____end____

GENERAL COMMENT BY mcotter: Sat Oct 24 22:29:47 GMT 2020

Thick fog and with rain covering observatory.

____end____

GONG COMMENT BY mcotter: Sat Oct 24 22:30:08 GMT 2020

GONG shack door closed.

____end____

GENERAL COMMENT BY mcotter: Sat Oct 24 23:17:00 GMT 2020

Thick fog and hard rain continues.

____end____

GENERAL COMMENT BY mcotter: Sun Oct 25 01:39:38 GMT 2020

The day started out pretty clear but clouds came in around lunch time then thick fog and very hard rain. The morning produced some decent data.

____end____

ONSITE STAFF: mcotter