
Mauna Loa Solar Observatory Observer's Log

Thu Dec 24 17:21:15 GMT 2020

Year: 20 Doy: 359

Observer: mlso

WEATHER COMMENT: mcotter: Thu Dec 24 17:23:36 GMT 2020

Temp: 44.2f, Humidity: 18%, Pressure: 28.696in, Wind: 9mph from 161deg, Skies: Clear skies. Very noticeable dark grey inversion layer visible at the level of Haleakala.

____end____

GENERAL COMMENT BY mcotter: Thu Dec 24 17:47:26 GMT 2020

Opened windows upstairs

____end____

GENERAL COMMENT BY mcotter: Thu Dec 24 17:47:34 GMT 2020

PM Blew off Kcor 01

____end____

Thu Dec 24 18:04:19 GMT 2020 Kcor Focus/alignment program exited

GENERAL COMMENT BY mcotter: Thu Dec 24 18:10:03 GMT 2020

While running the Focus routine I could see a very noticeable artifact in the 5:00 o'clock position of the image. I tried blowing off the Kcor 01 again but it made no difference. While inspecting the lens I could see a noticeable artifact on the back side of the lens at about the 5:00 o'clock position; I am unsure if this is the same artifact I am seeing in the Focus routine.

____end____

GENERAL COMMENT BY mcotter: Thu Dec 24 18:11:39 GMT 2020

Kcor running. Checked with Polarizer in beam, checked good; Mid, Bright, Dark, Mid.

____end____

Thu Dec 24 19:57:31 GMT 2020 Kcor Focus/alignment program exited

Thu Dec 24 19:59:44 GMT 2020 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Thu Dec 24 20:15:00 GMT 2020 KCOR End Calibration Script

GPS COMMENT by MLSO: Thu Dec 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_354_2338.bin 2147483647

/mnt/usb/dataoutiq_2020_355_2338.bin 2147483647

/mnt/usb/dataoutiq_2020_356_2338.bin 2147483647

/mnt/usb/dataoutiq_2020_357_2338.bin 2147483647

/mnt/usb/dataoutiq_2020_358_2338.bin 2147483647

Disk usage: /dev/sda1 916.9G 298.9G 571.4G 34% /mnt/usb

____end____

GENERAL COMMENT BY mcotter: Thu Dec 24 23:33:17 GMT 2020

The Kilauea Volcano is pumping a lot of ash and crud into the sky. The air below the inversion layer is so dark and grey that I cannot see Hualalai or the Kohala Coast.

____end____

GENERAL COMMENT BY mcotter: Fri Dec 25 00:12:06 GMT 2020

Sky was relatively clear this morning, but aerosols could be seen in images. Aerosols have increased during the day and the sky is getting hazy. I think that the eruption of Kilauea Volcano has put a lot of particles in the air as it is very visible when looking out across the valley. Kcor image quality has degraded over the course of the day.

____end____

ONSITE STAFF: mcotter