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Mauna Loa Solar Observatory Observer's Log  
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Sat Jan 16 17:16:33 GMT 2021

Year: 21 Doy: 016

Observer: mlso

WEATHER COMMENT: mcotter: Sat Jan 16 17:20:40 GMT 2021

Temp: 43.1f, Humidity: 4%, Pressure: 28.687in, Wind: 7mph from 14ldegs, Skies: Clear skies overhead. Thick Cumulus clouds to the east and west flanks of Maunaloa. Heavy inversion layer visible on the horizon at the level of Haleakala.

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

GENERAL COMMENT BY mcotter: Sat Jan 16 17:38:30 GMT 2021

Opened windows upstairs

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

GENERAL COMMENT BY mcotter: Sat Jan 16 17:38:36 GMT 2021

PM Blew off Kcor 01

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

Sat Jan 16 18:07:46 GMT 2021 Kcor Focus/alignment program exited

GENERAL COMMENT BY mcotter: Sat Jan 16 18:15:02 GMT 2021

I have started Kcor, but the Pointing Error Estimate display does not look like it normally does; typically the trace will bounce around in a circular fashion, but the trace that is showing is a line straight up and down. I can see the traces up dating and moving periodically but just in a straight up and down line.

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

Sat Jan 16 19:40:28 GMT 2021 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Sat Jan 16 19:55:39 GMT 2021 KCOR End Calibration Script

GPS COMMENT by MLSO: Sat Jan 16 21:45:08 GMT 2021

Successfully logged in to system

Unable to mount disk

GPS software failure to start

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

Sat Jan 16 21:45:26 GMT 2021 Kcor Focus/alignment program exited

Sat Jan 16 21:52:37 GMT 2021 Kcor Focus/alignment program exited

GENERAL COMMENT BY mcotter: Sat Jan 16 21:55:28 GMT 2021

The sky appears clear but the image looks a little bright. Also the Arcsec graph on the SGS program GUI has a sawtooth shaped waveform pattern. I stopped Kcor and exited the SGS program and restarted. The Arcsec waveform now looks normal. While re-running the focus routine aerosols were very prevalent. Kcor again running and the image looks good, and not bright.

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

GENERAL COMMENT BY mcotter: Sun Jan 17 00:52:01 GMT 2021

Clouds have move into viewing area from the west, northwest and north. Kcor is now paused.

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

GENERAL COMMENT BY mcotter: Sun Jan 17 01:25:21 GMT 2021

Clouds have increased and fog has moved in. Dome shutter doors and windows now closed.

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

GENERAL COMMENT BY mcotter: Sun Jan 17 02:46:59 GMT 2021

The morning was clear and Kcor ran until early afternoon when clouds moved in and covered the observatory. When the clouds increased fog moved in and I closed the dome. I emptied the trash receptacles in the dome and control room.

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

ONSITE STAFF: mcotter