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Mauna Loa Solar Observatory Observer's Log  
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Mon Feb 15 17:37:25 GMT 2021

Year: 21 Doy: 046

Observer: mlso

WEATHER COMMENT: mcotter: Mon Feb 15 17:39:29 GMT 2021

Temp: 38.6f, Humidity: 62%, Pressure: 28.81in, Wind: 2mph from 309degs, Skies: Clear skies throughout the sky, but heavy gray blue inversion layer visible on the horizon at the level of Haleakala. Little to no wind.

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

Mon Feb 15 18:00:56 GMT 2021 Kcor Focus/alignment program exited

GENERAL COMMENT BY mcotter: Mon Feb 15 18:05:20 GMT 2021

Kcor running. Aerosols are visible in focus image. Verified Polarization: Mid, Bright, Dark, Mid.

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

GENERAL COMMENT BY mcotter: Mon Feb 15 18:07:56 GMT 2021

SGS Guider Zero-Point Offsets: X(RA): -110, Y(Dec): 45.

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

GENERAL COMMENT BY mcotter: Mon Feb 15 18:15:55 GMT 2021

Opened windows upstairs

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

GENERAL COMMENT BY mcotter: Mon Feb 15 18:16:04 GMT 2021

PM Blew off Kcor O1

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

GENERAL COMMENT BY mcotter: Mon Feb 15 18:17:51 GMT 2021

Artifacts are visible in the Kcor stand alone image. I blew off the o1 lens again. There are artifacts visible on the lens surface that will not come off with compressed air.

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

Mon Feb 15 20:14:22 GMT 2021 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Mon Feb 15 20:29:37 GMT 2021 KCOR End Calibration Script

GENERAL COMMENT BY mcotter: Mon Feb 15 21:36:48 GMT 2021

Aerosols are increasing. Altocumulus clouds have formed to the northwest, north, northeast and east and are moving toward the observatory. Clouds can be seen coming over the summit to the south. The sky is still clear overhead and in the area of viewing.

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

GENERAL COMMENT BY mcotter: Mon Feb 15 21:55:56 GMT 2021

Paused Kcor, then restarted after passing clouds moved out of viewing area. Aerosols are high, as the Kcor stand alone image is a bit bright.

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

GENERAL COMMENT BY mcotter: Mon Feb 15 22:20:09 GMT 2021

Dome briefly stopped tracking. I think when the clouds went over it may have confused the system. Adjusted dome position and it is now tracking normally.

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

GENERAL COMMENT BY mcotter: Mon Feb 15 23:33:47 GMT 2021

Orthographic clouds are approaching from the west. Wisps of clouds are forming over the observatory blocking the view of the Sun. Pausing Kcor until conditions improve.

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

GENERAL COMMENT BY mcotter: Mon Feb 15 23:38:34 GMT 2021

Fog and mist have moved into over the observatory. The dome shutter doors and windows have been closed until conditions im

prove.

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

GENERAL COMMENT BY mcotter: Mon Feb 15 23:56:14 GMT 2021

The sky has somewhat cleared. Reopened dome shutter doors and windows; Kcor is again up and running.

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

GENERAL COMMENT BY mcotter: Tue Feb 16 03:36:40 GMT 2021

Day started out clear. Had a short period of cloud coverage with fog and mist mid day, but then the skies cleared and it remained clear for the rest of the day.

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

ONSITE STAFF: mcotter