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Mauna Loa Solar Observatory Observer's Log  
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Mon Dec 20 17:50:51 GMT 2021

Year: 21 Doy: 354

Observer: mlso

WEATHER COMMENT: mcotter: Mon Dec 20 17:54:04 GMT 2021

Temp: 37.3f, Humidity: 80%, Pressure: 28.709in, Wind: 5mph from 182degs, Skies: High altitude Cirrus clouds are scattered across the sky. Rain, mist and fog from the Saddle Road to approximately 9500'. Icy road conditions from approximately 10,000' to the science center. Frosty and icy conditions currently at the observatory. No discernible inversion layer visible on the horizon.

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

GENERAL COMMENT BY mcotter: Mon Dec 20 17:54:16 GMT 2021

Opened windows upstairs

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

GENERAL COMMENT BY mcotter: Mon Dec 20 17:54:27 GMT 2021

PM Blew off UCoMP 01

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

GENERAL COMMENT BY mcotter: Mon Dec 20 17:54:33 GMT 2021

PM Blew off Kcor 01

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

KCOR COMMENT BY mcotter: Mon Dec 20 17:58:49 GMT 2021

I attempted to start the Kcor instrument but the sky is entirely too bright to run the instrument at this time.

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

**\*\*KCOR PROBLEM COMMENT BY mcotter\*\*** : Mon Dec 20 18:03:27 GMT 2021

When attempting to start Kcor a GUI continued to pop up stating that an exception had occurred in Channel 1 and there was a time out, code 130, and the time out expired. I have observed this once before and it required a reboot of the computers and a hard reboot of the NEMA box components that control the Kcor functions.

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

**\*\*KCOR PROBLEM COMMENT BY mcotter\*\*** : Mon Dec 20 18:48:28 GMT 2021

As stated in the previous comment, when attempting to start the Kcor instrument a GUI came up repeatedly stating there was a time out error. I turned off the two power strips within the Kcor NEMA control box in the dome, then turned off the Kcor computer from the dome station. I turned on the power strips within the Kcor NEMA box, then turned the Kcor computer back on from the control room station. The Kcor instrument and software now appear to be operating normally.

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

GENERAL COMMENT BY mcotter: Mon Dec 20 18:49:37 GMT 2021

The sky continues to be much too bright with high altitude Cirrus clouds to operate the instruments at this time.

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

Mon Dec 20 18:50:37 GMT 2021 Kcor Focus/alignment program exited

WEATHER COMMENT: mcotter: Mon Dec 20 19:34:49 GMT 2021

Temp: 41.5f, Humidity: 86%, Pressure: 28.719in, Wind: 3mph from 309degs, Skies: The cloud coverage over the observatory has increased substantially as the high altitude Cirrus is thickening and spreading across the sky. Additionally Orthographic clouds are beginning to move in from the east.

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

GENERAL COMMENT BY mcotter: Mon Dec 20 19:35:30 GMT 2021

The dome windows and dome shutter doors have been closed in the event on precipitation.

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

WEATHER COMMENT: mcotter: Mon Dec 20 21:37:39 GMT 2021

Temp: 42.1f, Humidity: 96%, Pressure: 28.682in, Wind: 4mph from 329degs, Skies: The sky is completely overcast and Orthographic clouds have moved into the science center and are over the observatory. Satellite images show very strong storms off to the west of the Hawaiian Islands and more storms to the east of the islands. Conditions are very wet at the observatory and current temperatures are in the low 40's, so it is likely that there is going to be snow and ice present at the science center as the day progresses and temperatures drop.

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

GENERAL COMMENT BY mcotter: Mon Dec 20 23:34:18 GMT 2021

Thunder can be heard pretty close. Heading down.

No data today.

\_\_end\_\_

ONSITE STAFF: mcotter