
Mauna Loa Solar Observatory Observer's Log

Wed Mar 31 16:59:19 GMT 2021

Year: 21 Doy: 090

Observer: mcotter

WEATHER COMMENT: mcotter: Wed Mar 31 17:00:14 GMT 2021

Temp: 46.4f, Humidity: 54%, Pressure: 28.761in, Wind: 10mph from 312degs, Skies: High altitude Cirrus clouds covering most of the sky.

____end____

GENERAL COMMENT BY mcotter: Wed Mar 31 17:00:47 GMT 2021

Holding off on opening dome until conditions improve.

____end____

Wed Mar 31 18:19:29 GMT 2021 Kcor Focus/alignment program exited

Wed Mar 31 19:02:00 GMT 2021 Kcor Focus/alignment program exited

WEATHER COMMENT: mcotter: Wed Mar 31 19:18:19 GMT 2021

Temp: 46.4f, Humidity: 54%, Pressure: 28.761in, Wind: 10mph from 312degs, Skies: Cirrostratus and Cirrus clouds increasing dramatically. Rainbow halo visible around Sun.

____end____

Wed Mar 31 20:54:33 GMT 2021 Kcor Focus/alignment program exited

UCOMP COMMENT BY mcotter: Wed Mar 31 22:11:51 GMT 2021

Due to some anomalous low light levels seen in 530 last week. The filterwheel was pulled and filters were inspected for obvious UV damage. We found there was some strange structures on a few of the filters so the wheels has been pulled from the instrument to be sent to Boudler to check there has been no damage based on some strange structure seen on the glass.

A paper baffle was installed between the cameras and camera lenses to try and address stray light. This appears to have solved most of the low light levels we were seeing in the 530.

Before pulling the filterwheel an O1 alignment check was done where we found that with the alignment tool the O1 could be moved to the point that we have 1 pixel change in X position from the front and back of the O1 focus range. However about 1.5 hours later in a different wavelength we say about 20 pixels of motion. Not sure how to explain this change maybe the guider was misaligned. Clouds came in before further testing clouds take place.

____end____

ONSITE STAFF: