
Mauna Loa Solar Observatory Observer's Log

Tue May 4 16:50:47 GMT 2021

Year: 21 Doy: 124

Observer: mlso

WEATHER COMMENT: mcotter: Tue May 04 16:54:24 GMT 2021

Temp: 37.2f, Humidity: 100%, Pressure: 28.728in, Wind: 4mph from 304degs, Skies: Mixed skies. High altitude cirrus scatter
ed across the sky with with Cumulus and Altocumulus clouds scattered all around the mountains at various levels. Fog and m
ist driving up the Maunaloa access road to about 10,500' with very wet conditions at the observatory area. Sun is currentl
y shining through mist and upper level clouds.

___end___

GENERAL COMMENT BY mcotter: Tue May 04 17:48:58 GMT 2021

Misty conditions persist so I am going to inspect the RA mechanical assembly, clean out any particulate matter that I had
previously observed and measure the worm gear tension bracket and springs to verify that there is uniform pressure being a
pplied between the worm gear and spur gear.

___end___

GENERAL COMMENT BY mcotter: Wed May 05 01:48:14 GMT 2021

Inspected the RA mechanism and discussed with Ben plans for a modification to part of the assembly so that we may gain bet
ter access to the clutch cam nuts. Additionally I cleaned the cam rollers and adjusted the gap that determines the amount
 of travel the worm assembly will move when it encounters undue resistance and the worm needs to to disengage from the spu
r gear.

___end___

UCoMP COMMENT BY mcotter: Wed May 05 01:53:45 GMT 2021

The occulter did not look like it was square, or parallel, with the field lens. I readjusted and squared all the component
s within the assembly and when tightening down the hardware I applied Loctite 242 thread locker to ensure that the screws
maintained their desired tightness.

___end___

UCoMP COMMENT BY mcotter: Wed May 05 01:54:44 GMT 2021

Removed the ND filter from the front of the instrument and stowed it in its storage container.

___end___

GENERAL COMMENT BY mcotter: Wed May 05 01:55:25 GMT 2021

The weather was very poor today so no observing was done.

___end___

ONSITE STAFF: berkey