
Mauna Loa Solar Observatory Observer's Log

Mon Aug 22 16:43:25 GMT 2022

Year: 22 Doy: 234

Observer: mcotter

WEATHER COMMENT: mcotter: Mon Aug 22 16:45:46 GMT 2022

Temp: 50.2f, Humidity: 2%, Pressure: 28.589in, Wind: 9mph from 157degs. Clear skies overhead with lots of clouds in the Saddle Valley and at lower elevations all around the island. The inversion layer appears high and cloudy as we are unable to see Haleakala. Moderate winds from the Southeast.

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GENERAL COMMENT BY mcotter: Mon Aug 22 16:46:47 GMT 2022

We are unable to observe at this time as the dome floor is still in the process of having the second half resurfaced.

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GENERAL COMMENT BY mcotter: Mon Aug 22 21:04:09 GMT 2022

Updating routing/firewall config.

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GENERAL COMMENT BY mcotter: Mon Aug 22 21:41:19 GMT 2022

No progress on firewall work.

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GENERAL COMMENT BY mcotter: Tue Aug 23 02:26:21 GMT 2022

The RA Mechanism rebuild was completed this morning and installation of the unit into the Spar Doghouse began in the late morning, early afternoon. Ben and I worked primarily on the installation and calibration of the RA Mechanism throughout the afternoon. Several times during the RA installation process we removed the worm tension springs and replaced and adjusted the springs and the mechanical back stop. For the mechanical backstop we ended up adjusting the "Pad" style set screw until it was approximately .200' forward of the block surface. We felt this additional room provided the right amount of motion movement for the RA Worm frame housing. Several times Ben and I adjusted and readjusted the clutch pad back plate and ended up completely loosening the clutch pad then slowly tightening the clutch pad and jam nut until the movement felt smooth and uniform. We did electrically slew the Spar and it appeared to travel smoothly. We intend to pick up on these final, incremental, adjustments again in the morning.

Marc Starling removed the tenting from the dome floor and a fiber cardboard was laid down for foot traffic and ladder movement temporarily while the floor continues to cure. Marc continued to work on the painting and trim work and is almost done with the painting.

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ONSITE STAFF: berkey, mcotter, Mark S