
Mauna Loa Solar Observatory Observer's Log

Sat Aug 20 16:49:38 GMT 2022

Year: 22 Doy: 232

Observer: mlso

WEATHER COMMENT: mcotter: Sat Aug 20 16:51:28 GMT 2022

Temp: 47.6f, Humidity: 4%, Pressure: 28.729in, Wind: 10mph from 149 degs. The sky is clear but a bit hazy. The inversion layer is located just below Haleakala. Moderate steady wind from the Southeast.

____end____

GENERAL COMMENT BY mcotter: Sun Aug 21 01:54:45 GMT 2022

No observing today due to areas of the dome floor being resurfaced. The Spar RA control mechanism has been removed from the Spar and was left for me on a bench in the control room to rebuild.

____end____

GENERAL COMMENT BY mcotter: Sun Aug 21 02:02:09 GMT 2022

The RA mechanism was rebuilt utilizing the new motor/worm spring tension system that allows more access room for routine maintenance and adjustments. The RA is beginning to show signs of wear so the next time it is rebuilt new bearings should be installed throughout the mechanism. Also the friction cam rollers are showing signs of wear. Consideration should be made to have a new set of friction cam components made, then when the RA is rebuilt again the new components may be substituted and the worn ones sent out for refinishing then shipped back to MLSO as a spare set.

____end____

ONSITE STAFF: mcotter, Marc S.

GENERAL COMMENT BY mcotter: Sun Aug 21 02:12:31 GMT 2022

Marc Starling was in today and applied the second coat to the second half of the dome floor, as well as painting in the Control Room and Clean Room. When he had completed the floor he saw that he had left only two heaters on in the dome. To ensure that the temperature was maintained Marc S. set up a heater in the dome vestibule blowing into the dome area. He needed to run an extension cord from the Control Room to the dome vestibule by putting the cord outside through the West door and up the stairs into the exterior vestibule door. The doors were able to be closed and locked but it was a tight fit.

____end____

ONSITE STAFF: lisapg, mcotter, Marc S.