

-----  
Mauna Loa Solar Observatory Observer's Log  
-----

Tue Jan 26 18:01:56 GMT 2021

Year: 21 Doy: 026

Observer: mlso

WEATHER COMMENT: mcotter: Tue Jan 26 18:03:07 GMT 2021

Temp: 37.0f, Humidity: 96%, Pressure: 28.761in, Wind: 16mph from 126degs, Skies: Very overcast skies. Steady light rain and drizzle over summit of Maunaloa. Heavy rain and localized flooding from Hilo all the way to the Maunaloa access road. Very slow driving conditions. Steady rain and drizzle all the way up the access road to the observatory. Cannot open the dome at this time.

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

GENERAL COMMENT BY berkey: Tue Jan 26 18:34:55 GMT 2021

Significant water coming in the east side of the pspt dome. Not sure if it is getting in via the rotating dome structure or the fixed building structure. Floors wet and some cardboard boxes may have gotten ruined but no equipment or critical systems appear to be at risk.

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

UCoMP COMMENT BY berkey: Tue Jan 26 21:24:24 GMT 2021

Replaced the 2 blind socket head cap screws on the filterwheel with hex-head screws. The new screws can be (with some effort) (completely) installed and removed without needing to remove the modulator.

With the old SHCS the filterwheel was secure to the point where it couldn't fall out of the of the instrument, but there was some play in the installation that could have allowed a few degrees of flopping of the filterwheel as we point around the sky.

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

GENERAL COMMENT BY berkey: Wed Jan 27 02:04:06 GMT 2021

Investigated water leak in PSPT room and found that water was wicking into the dome interior through gaps in the dome sill. Using silicone sealer I sealed up approximately half the exterior dome sill, which is located just behind the upper dome drip edge. High winds appeared to cause the water to seep in. I removed the interior panels and moved them out of the way so the dome structural joists can dry out. I cleaned the room out and mopped the floor. The side that has been sealed is to the southeast-east, which is where the water came in at. Emptied the observatory trash and cleaned up.

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

GENERAL COMMENT BY berkey: Wed Jan 27 02:04:43 GMT 2021

Cold wet overcast day with chilly rain and wind. No data today.

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

ONSITE STAFF: berkey, mcotter