
Mauna Loa Solar Observatory Observer's Log

Fri May 13 16:40:11 GMT 2016

Year: 16 Doy: 134

Observer: berkey

WEATHER COMMENT: berkey: Fri May 13 16:41:35 GMT 2016

Temp: 44.2f, Humidity: 21%, Pressure: 28.666in, Wind: 1mph from 171deg, Skies: patchy cirrus, hazy above the observatory and a wet looking cloud just SE of the observatory dome will remain closed until conditions improve.

____end____

GENERAL COMMENT BY berkey: Fri May 13 17:18:07 GMT 2016

Things are looking good enough to open but not good enough for data.

____end____

COMP COMMENT BY berkey: Fri May 13 22:36:38 GMT 2016

Lens cover was found to not be moving this morning. We found one of the fuses in the power supply for the motor driver interface unit had blown. This was a 1/2 Amp 250V fuse for which we now have 1 spare. Blown fuse was located deepest in the rack near the RPS01 label

____end____

KCOR COMMENT BY berkey: Fri May 13 22:38:12 GMT 2016

Inspection of the kcor hepa ducting found the closed loop hepa was off. It is likely this has been off since the units were reinstalled during construction. This may also explain why we saw so much dust accumulation on the field lens in recent months.

We also fixed a crushed section in the aft-optics box hepa input.

____end____

COMP COMMENT BY berkey: Fri May 13 23:43:36 GMT 2016

Occulter assembly was dis-assembled to try and address the de-center between the occulter and field stop. We found that we could fix most of the de-center by slightly bending the titanium occulter post. This gave an apparent improvement and seems to be stable. We will have to see how much improvement we get once the skies clear up enough to take data.

____end____

GENERAL COMMENT BY berkey: Fri May 13 23:46:01 GMT 2016

Pretty foggy. Heading out.

____end____