

DewBuster Mount

Spring 2008

Right away, one thing became apparent -- the DewBuster is larger and heavier than my previous dew controllers. I needed to mount the controller so that it was out of the way and wasn't dangling by its cables.



Design Considerations

Since I use the Astro-Physics DOVELM2 on both of my mounts, it was appropriate to design a DewBuster Mount specifically for this dovetail. I wanted to avoid any drilling or velcro on the OTA or mount. For heavier payloads, the DOVELM2 has center threaded hole that can accommodate a third clamping knob. I use only the two outer knobs, and the central hole is in an ideal location to attach the DB Mount. The picture below shows the DB Mount attached to the dovetail.

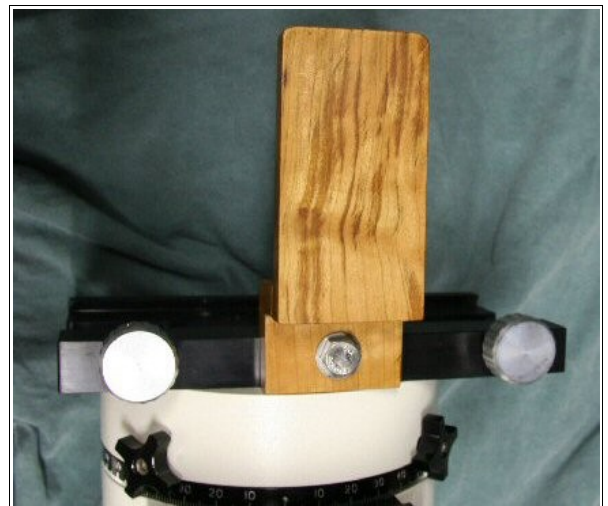
NOTE: The amount of horizontal offset has to be carefully measured. My particular implementation has enough offset for an APO140ED. Anything larger would require additional offset.

Fabrication

The DB Mount is of fairly simple construction. Although two biscuits were used on the right angle joints, a good wood glue and the triangular back brace should be strong enough to hold the mount together.

The wood is cherry, but other woods or cabinet plywood could be used. To finish the wood, bush oil was used to raise the grain, then five coats of spray Minwax Spar Urethane were applied for moisture and UV protection. The finished piece was smoothed with a light sanding using 0000 steel wool.

A stainless steel 3/8-24 NF bolt & washer secure the DB Mount. Use of an over-sized bolt was dictated by the available threaded hole.



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