

Making Bracket to hold the scope to the Tripod mount

I needed a custom nut, and plate, to allow the custom bracket to be mounted to the camera tripod mount, which has a 1 / 4 threaded bolt.

I used a 1 / 4 "T" nut, and made another small aluminum piece, same thickness as the custom bracket, so I could slide it back and forth in the bracket channel, for adjustment. The 1 / 4 "T" nut had to fit through both brackets, but not extend beyond, so a dremmel drill cutting wheel did a good job of shortening the "T" nut (I used a longer one to start, because the shorter 5 / 16 ones did not go through far enough to engage many of the tripod mount bolt threads.

I epoxied the finished "T" nut to the aluminum plate, and attached that plate, with string, to the bracket, so it does not get lost.

The final pictures in this series show now the black tripod camera mount plate is fastened to the bottom of my custom bracket.