

DKM3-A theodolite tests

1381st astro personnel did the astronomical observations for my MS thesis at Ohio State University, and later for a study I did while I was stationed at FEW AFB. I think that this work is of historical interest, because 1381st personnel did the observations and they led to significant improvements to the DKM3-A (better tracking knobs on the eyepiece micrometer, lower pitch leveling cams, more sensitive level vials in both the horrebow and striding levels, weights to stabilize the striding level, and invar legs on the striding level to reduce the effects of observer body heat on the striding level). Attached are a PDF of a document scan of my thesis (not very good quality, but mostly readable) and a few pages from the FEW test report. I have the full report, but I'm not sure if it is worth the work to scan it.