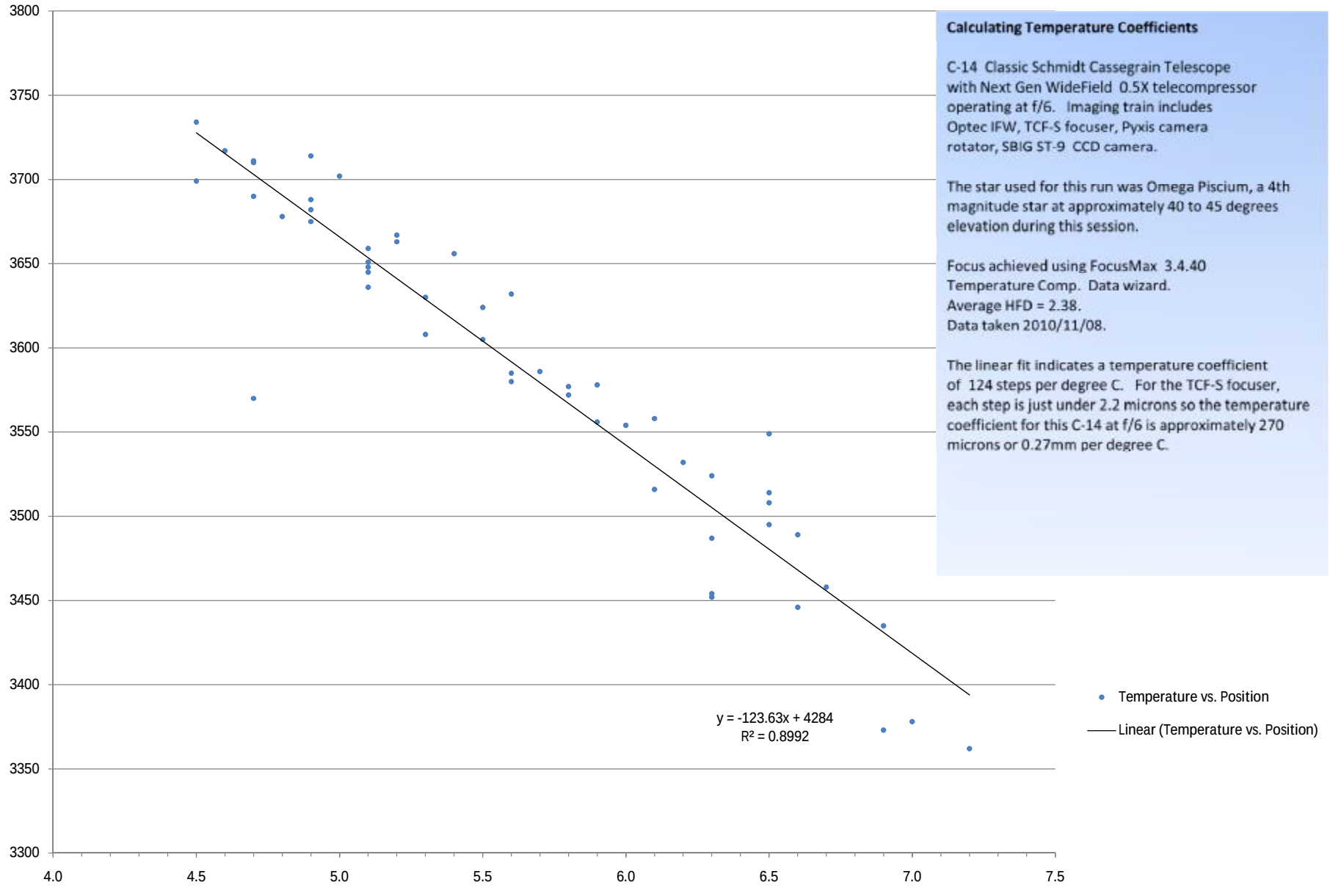
C-14 @ f/6 - James C. Veen Observatory
Temperature vs. Focus Position



Calculating Temperature Coefficients

C-14 Classic Schmidt Cassegrain Telescope with Next Gen WideField 0.5X telecompressor operating at f/6. Imaging train includes Optec IFW, TCF-S focuser, Pyxis camera rotator, SBIG ST-9 CCD camera.

The star used for this run was Omega Piscium, a 4th magnitude star at approximately 40 to 45 degrees elevation during this session.

Focus achieved using FocusMax 3.4.40 Temperature Comp. Data wizard.
Average HFD = 2.38.
Data taken 2010/11/08.

The linear fit indicates a temperature coefficient of 124 steps per degree C. For the TCF-S focuser, each step is just under 2.2 microns so the temperature coefficient for this C-14 at f/6 is approximately 270 microns or 0.27mm per degree C.