The NEX 800m is a bilinear interpolation of the GCM to 1degree +f(10 yrs of 800m Prism) +9yr(GCMtrend for the corresponding month)+(quantile mapping bias correction using 800m prism coarsed to 1 degree)

The quantile mapping bias correction at 1 degree isn’t available using the 800m prism as the historic dataset

<ftp://gdo-dcp.ucllnl.org/pub/dcp/archive/cmip5/bcsd/BC/inmcm4/rcp85/mon/r1i1p1/tasmin/>

is very similar but uses a different historic dataset. Without the 1 degree bias correction I can’t exactly determine the additive term that’s a function of the 10 years of 800m prism though I think I might be able to get extremely close. The function of the 10 years is the ONLY part of this that is high resolution. I need to check how close I can get to this.

Datsets I’m using

To get nex across the us for inmcm4\_tasmin only

<http://dataserver.nccs.nasa.gov/thredds/ncss/grid/bypass/NEX-DCP30/bcsd/rcp85/r1i1p1/inmcm4_tasmin.ncml/dataset.html>

to get gcm with only bilinear interpolation to 1 degree

<ftp://gdo-dcp.ucllnl.org/pub/dcp/archive/cmip5/global_mon/regrid/>