Game Plan:

1. Merge SWF and SFWMD rain gage data
2. Produce statistics comparing Rain gage and nearest NexRad Pixel data
3. Filter data determined not useful for Bias correction.
4. Compute annual bias correction factors for SWF and SFWMD
5. Merge SJR Annual Rain Gage Adjust Factors with SWF and SFWMD Annual Bias calcs
6. Use modified ECFTX PrepDataUsingBiasMP.R

Adjusts daily NexRad pixel data for the entire ECFTX model area using Interpolated (krigged) Annual Bias multiplied by daily NexRad Rainfall.

1. Use bufferPointsXModelGrid.R

Creates pixel to model mesh (rowco) crosswalk

which will be used to fill model cells where pixels are not present

1. Create R script buildNRDxMMrasters.R

Joins model mesh and NexRad rain to produce ArcGIS rasters

1. Use buildNRDxMMrasters.R

Create ArcGIS rasters just from Annual NexRad rain

1. Use bufferPointsXModelGrid.R

Process daily NexRad Reference ET for the ECFTX model