

Extract data for SPEI (drought index)

- a. Download precipitation, minimum temperature, and maximum temperature monthly data for study years + lagged years (1981-2017).
  - i. Sophie has code
  - ii. <https://prism.oregonstate.edu/recent/>
- b. Extract total precipitation, mean minimum temperature, and mean maximum temperature per month per grid cell from the CA grid shapefile
  - i. Sophie has code
  - ii. This must be done through SAVIO due to the large file size
  - iii. Ideal data product would look like:

Grid Cell	Month	Year	Total Precip	Mean Min T	Mean Max T
1	1	1981	x	y	z
1	2	1981	x	y	z
2	1	1981	x	y	z...