Results show the need for improvement of TC precipitation in reanalyses

Choice of reanalysis dataset **matters** for studies of total precipitation

TC tracks from TempestExtremes (Zarzycki et al., 2021)

Inter − reanalysis spread of TC precipitation

Inter − reanalysis spread of total precipitation

\[
F_{TC} = \frac{\text{TC precipitation}}{\text{Total precipitation}}
\]

*NOAA MAPP NA18OAR4310270 *NSF OCE 2023585


Look for this work to soon be published in The Journal of Climate!