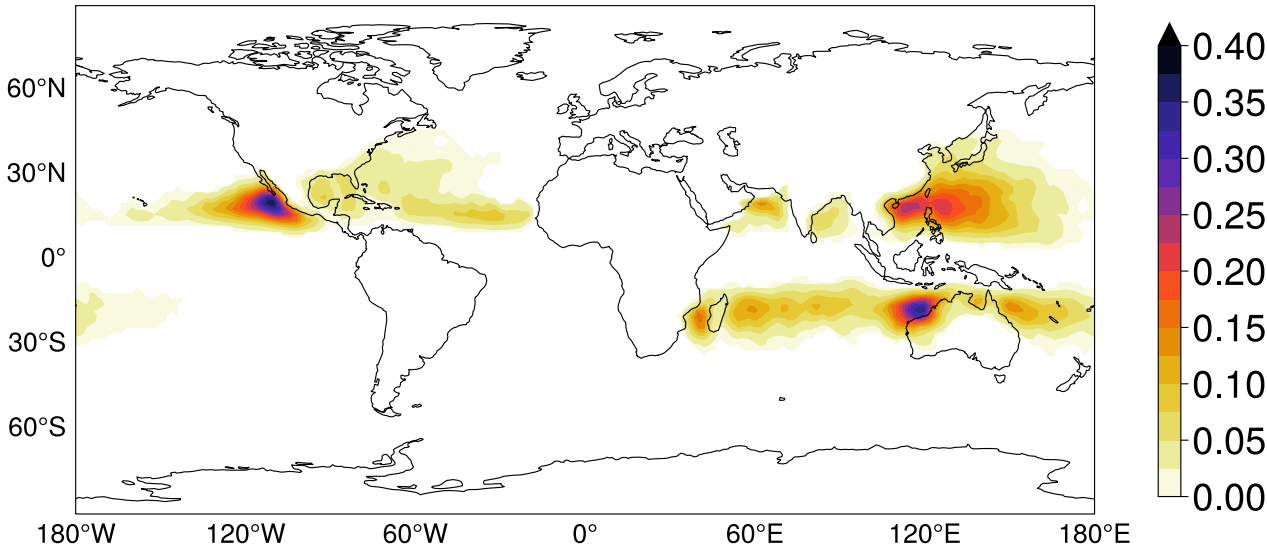
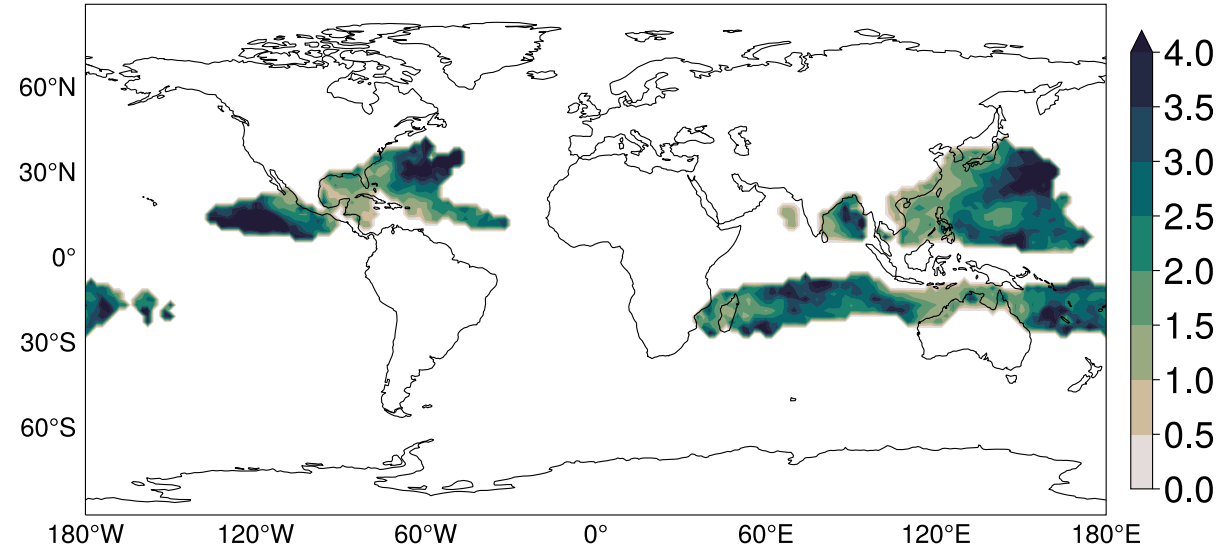


- Across 8 reanalyses: Similar spatial patterns of F_{TC}
- Notable magnitude differences
- Dependent on number of storms, model parameterizations



$$F_{TC} = \frac{\text{TC precipitation}}{\text{Total precipitation}}$$

- Less consistency of TC precipitation than total precipitation across reanalyses
- TC precipitation inconsistencies imprint on total precipitation in reanalyses



$$\frac{\text{Inter-reanalysis spread of TC precipitation}}{\text{Inter-reanalysis spread of total precipitation}}$$

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)

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

