

Appendix B Supplementary figures

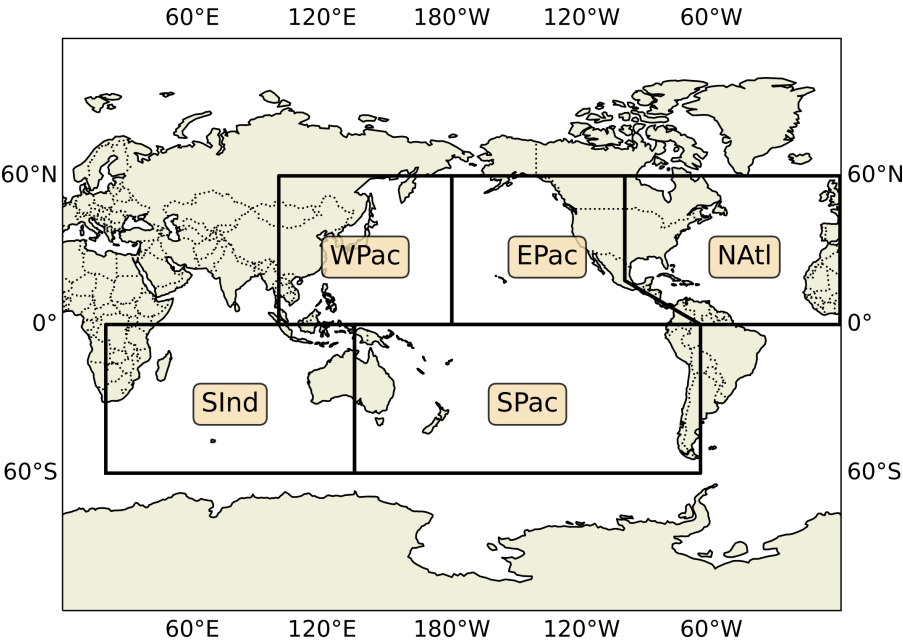


Fig. B1 Geographical basins definition. Adapted from [Knutson et al \(2020\)](#)

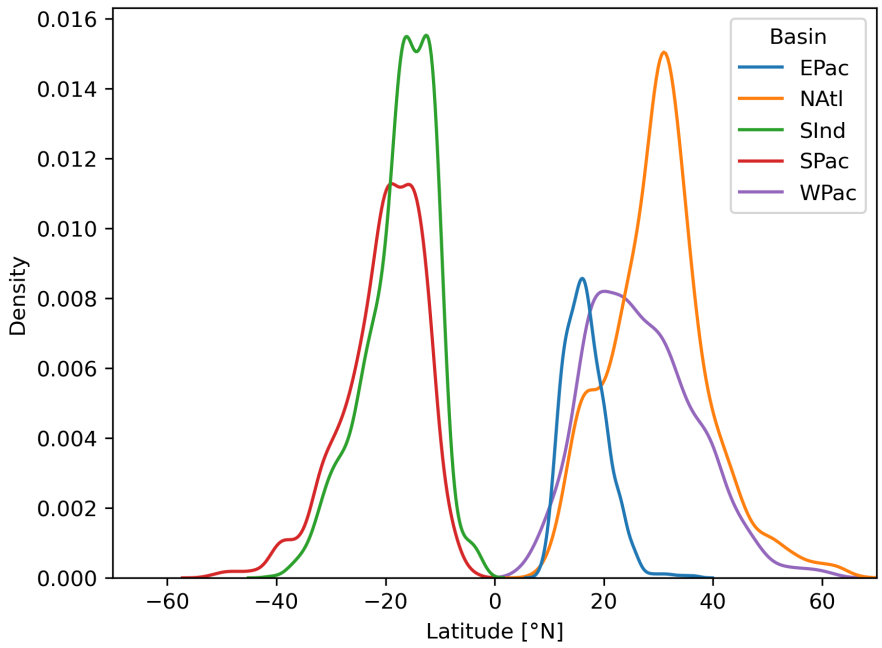


Fig. B2 Estimated PDFs of the latitudes of the IBTrACS systems matched with ERA5 tracks that are removed by the VTU post-processing for each basin of interest.

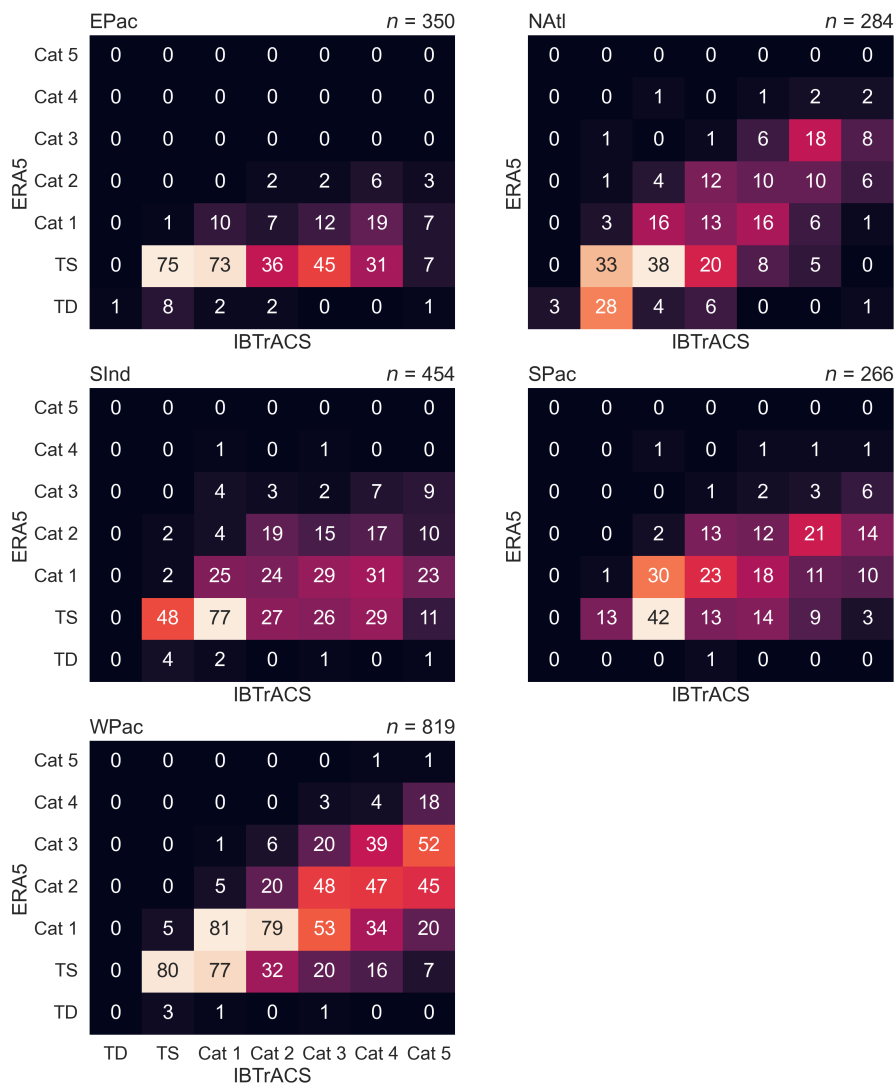


Fig. B3 Per basin contingency crosstables between ERA5 and IBTrACS pressure-based intensity classes.

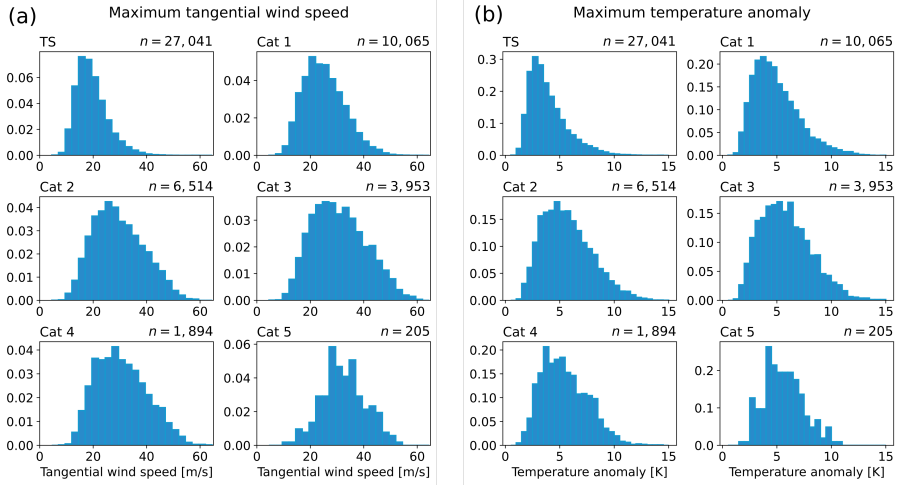


Fig. B4 Distributions of (a) the maximum tangential wind speed per composited radius-height cross-section for each observed SSHWS intensity class, and for the maximum temperature anomaly (b).