## **Oscillation of Tropical Cyclones Impacts on Hainan Island**

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Hainan Island (HNI) is one of the most frequently and seriously affected areas by tropical cyclones (TCs) in China, or even in the Northwest Pacific Region. The best track data from the Joint Typhoon Warning Center (JTWC) were used to examine the number variability of TCs influencing HNI. The motivation is to figure out possible trends and cycles in such variations, and by means of wavelet analysis and Gaussian-type filter approaches, and find out the correlations with ESNO, PDO, and Asian Monsoon, and among others.



Figure 1. Wavelet analysis of typhoons affects Hainan Island

## References

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