

1 **Supplemental information for**
2 **A synoptic clustering-based definition of South China Sea summer monsoon**
3 **onset and application to seasonal prediction**

4 Dzung Nguyen-Le¹

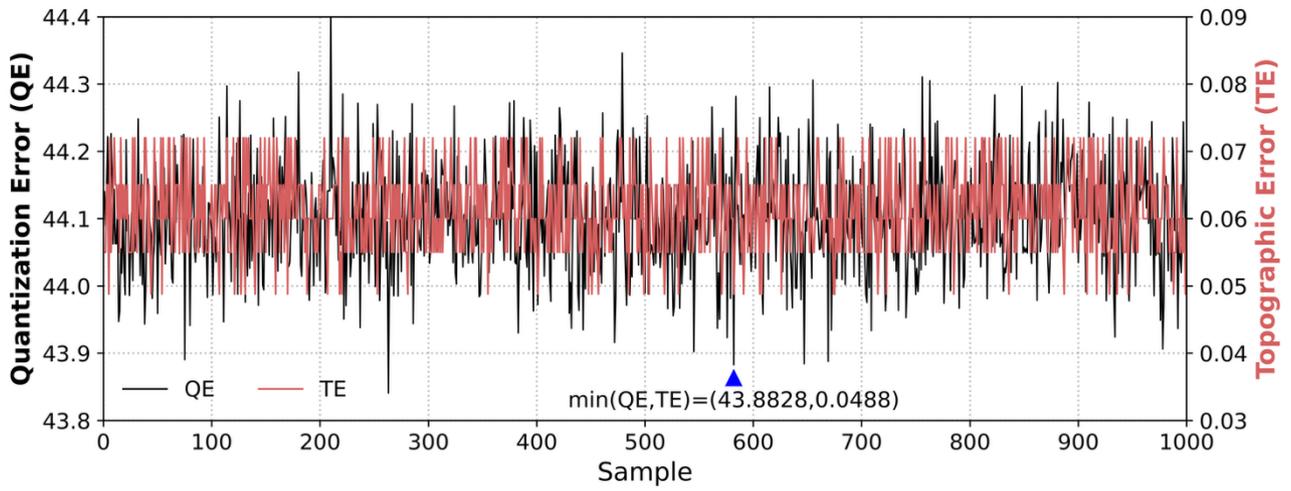
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10 Supplementary Figures S1 to S3

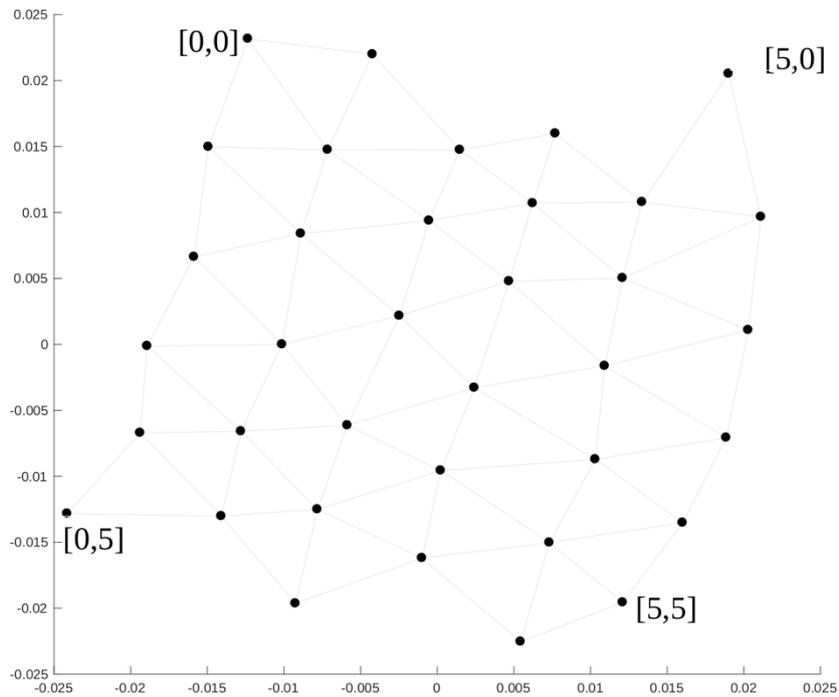
11 **Supplemental Figures S1–S3**



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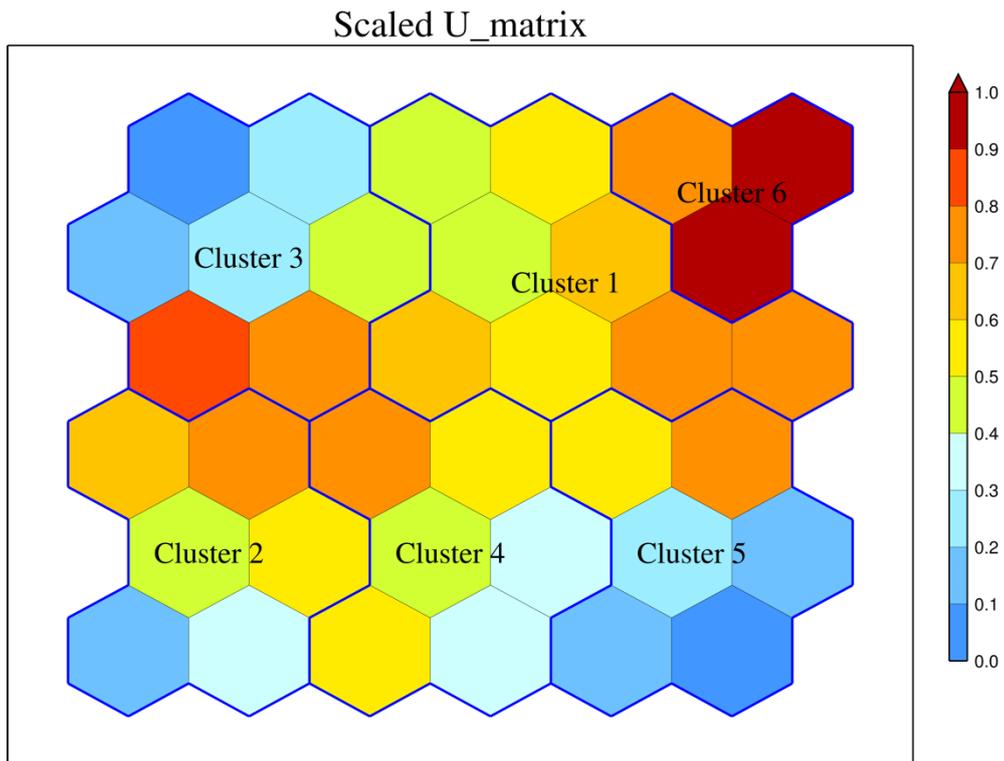
13 **Supplementary Figure S1:** The Quantization Error (QE) and Topographic Error (TE) of 1000 SOM maps

14 using bootstrap learning algorithm. The blue marks denote the optimal master SOM.



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16 **Supplementary Figure S2:** Sammon map for the master SOM with the four corner nodes labelled.



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18 **Supplementary Figure S3:** Scaled U-matrix of the master SOM with the optimum clustering by K-means

19 shown.