

Supporting Information for

Evaluation of CMIP6 GCMs over the CONUS for downscaling studies

Moetasim Ashfaq^{*1}, Deeksha Rastogi¹, Muhammad Adnan Abid², Shih-Chieh Kao³

¹ *Computational Sciences and Engineering Division (CSED), Oak Ridge National Laboratory, Oak Ridge, TN, USA*

² *Earth System Physics, Abdus Salam International Centre for Theoretical Physics, Trieste, Italy*

³ *Environmental Science Division (ESD), Oak Ridge National Laboratory, Oak Ridge, TN, USA*

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Introduction

The supplementary material provides the remaining regional analyses not shown in the main text.

Supplementary Figures

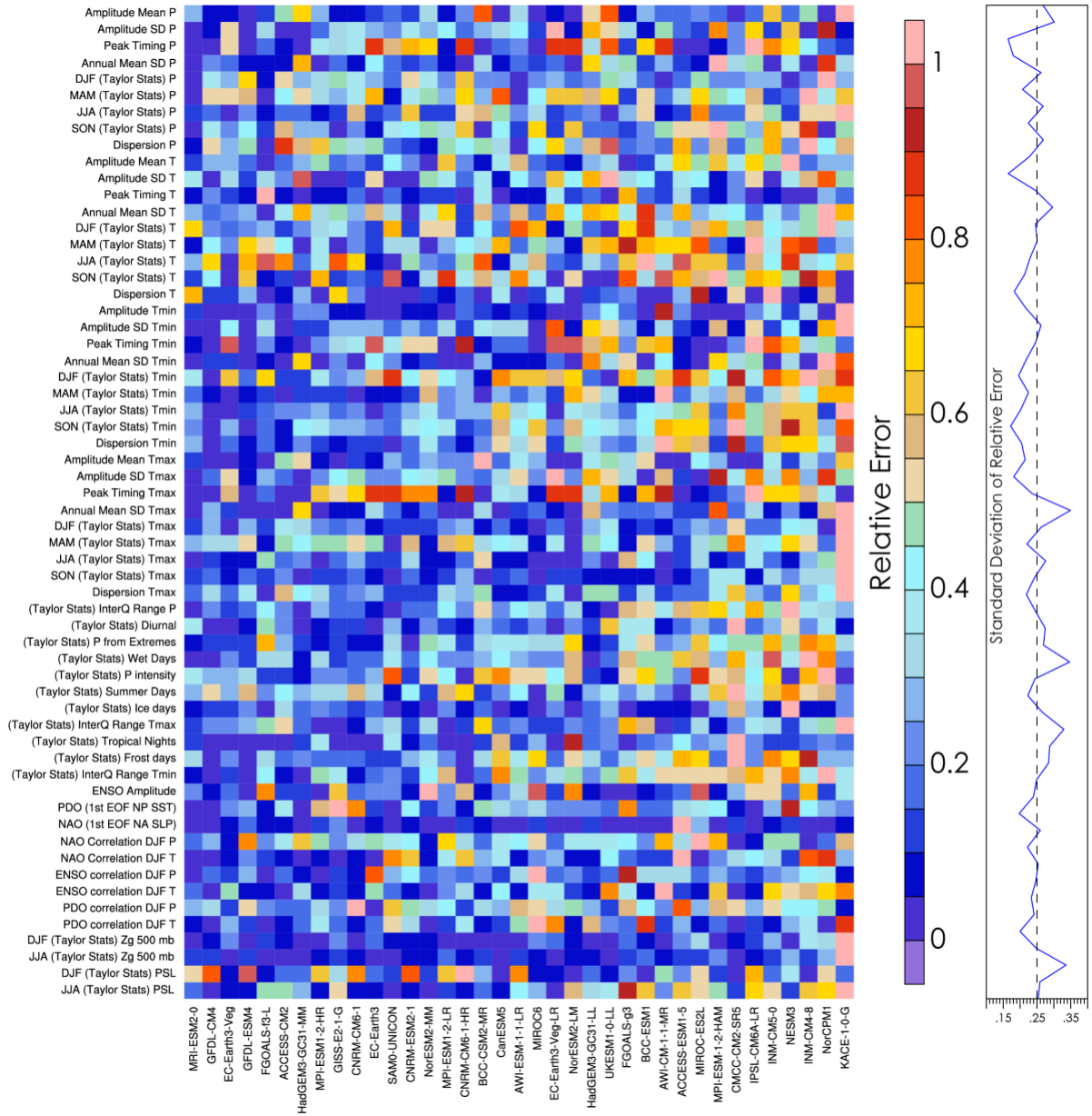


Figure S1. The unweighted relative errors of GCMs over the East. The left panel shows relative errors corresponding to each metric across all GCMs, and the line plot on the right shows the standard deviation of the relative error for each metric across all GCMs.

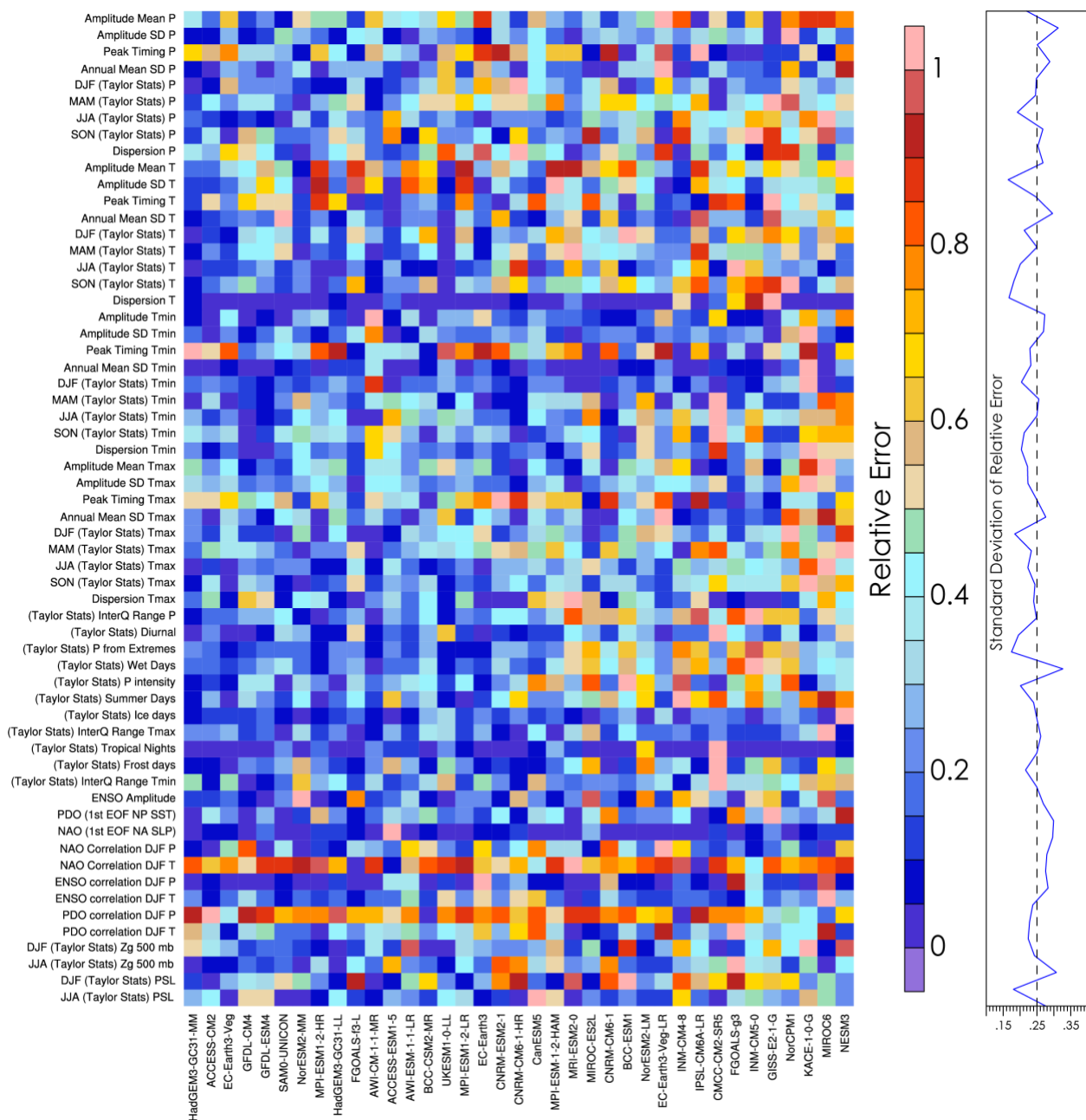


Figure S2. Same as in Figure S1 but over the West.

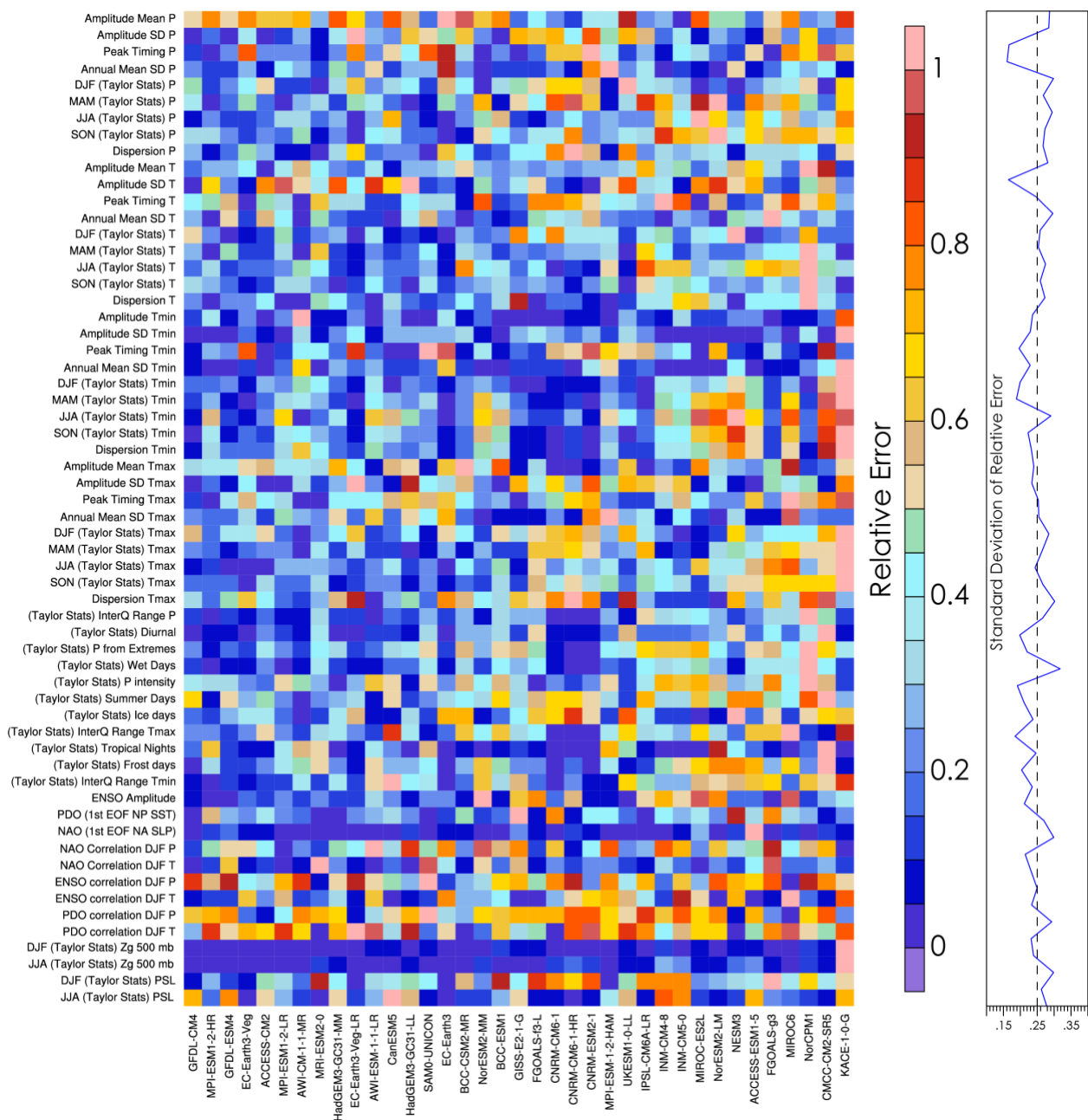


Figure S3. Same as in Figure S1 but over the South.

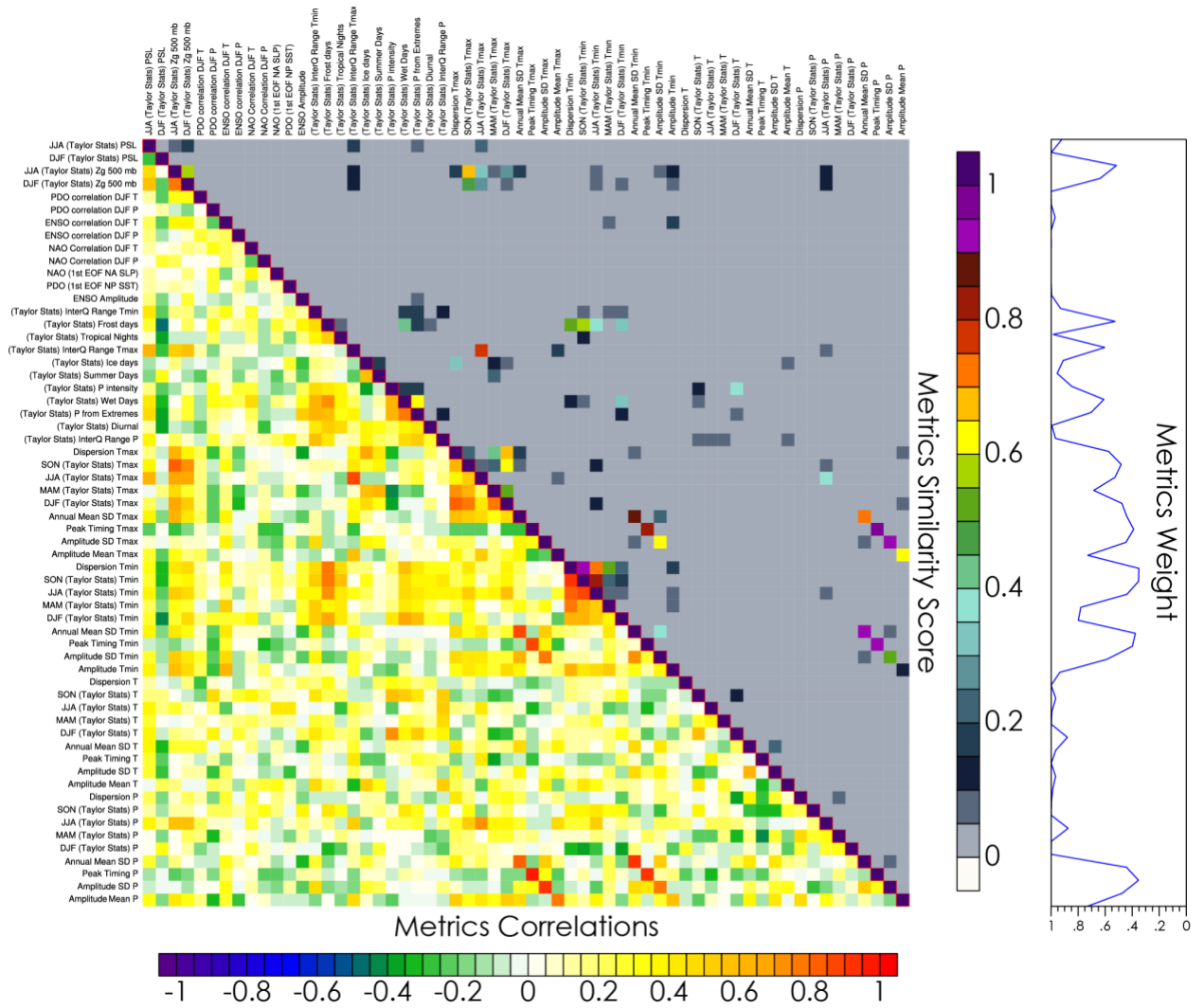


Figure S4. The correlation between the pairwise metrics (bottom triangle) and the corresponding similarity score (top triangle) over the East. Metrics with high correlations exhibit a high similarity score and are down-weighted. The line plot on the right shows the overall weight for each metric.

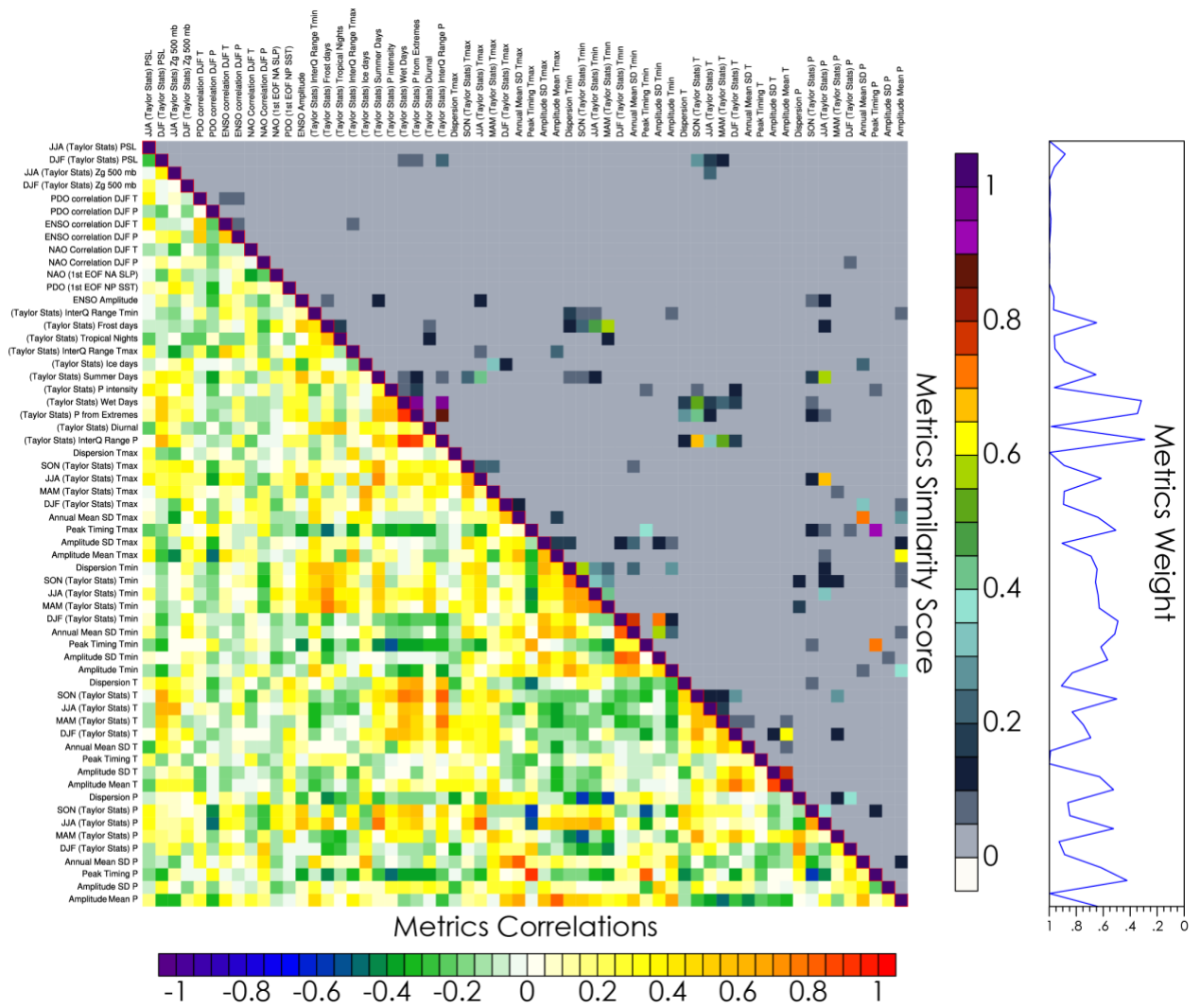


Figure S5. Same as in Figure S4 but over the West.

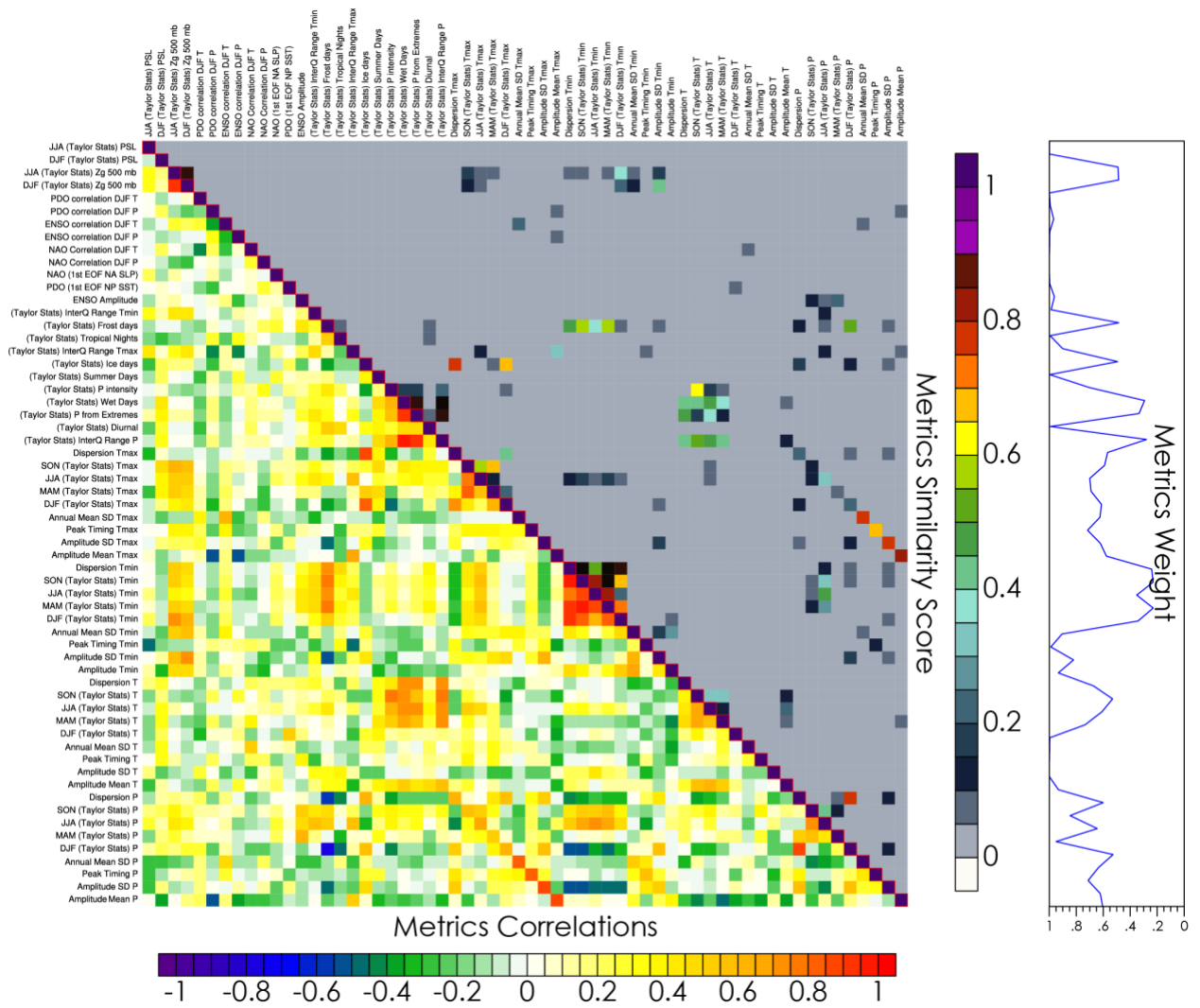


Figure S6. Same as in Figure S4 but over the South.