



Figure S1: The effect of the sub-optimal tests on the seasonal mean and threshold climatologies. The top row (A, C, E) shows the percent change in the standard deviation (SD) of the seasonal climatologies for each step in the respective sub-optimal tests. The percent change in the SD of the seasonal climatology is shown instead of the change in the mean because that value is 0 (or very close), so measuring a percent of change is not effective. The bottom row (B, D, F) shows the percent change in the mean threshold climatology. Each column of panels the effects of time series length (left), missing data (centre), and long-term trends (right).