

Climate change-induced amplification of extreme temperatures in large lakes

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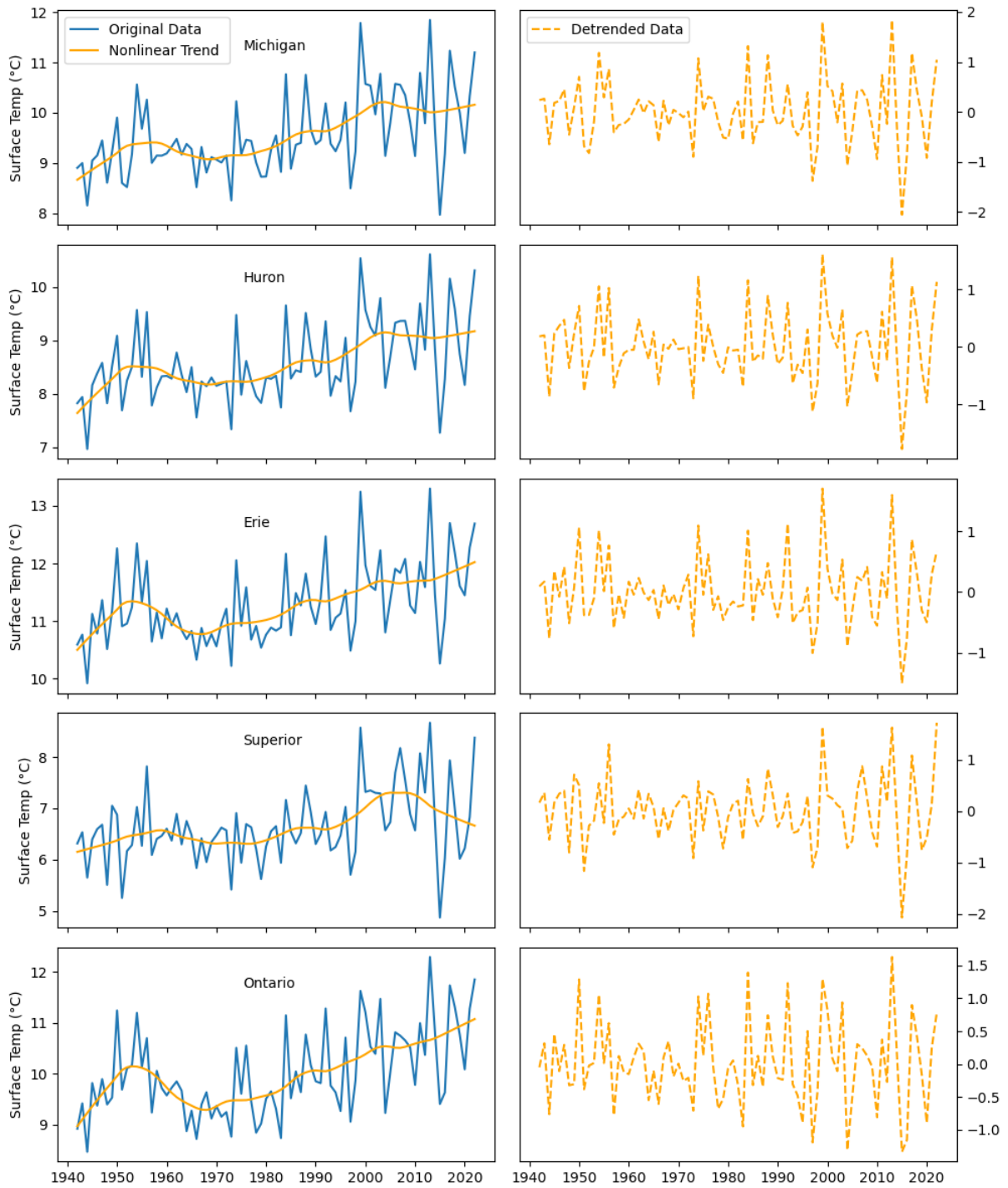
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Arbor, Michigan, USA

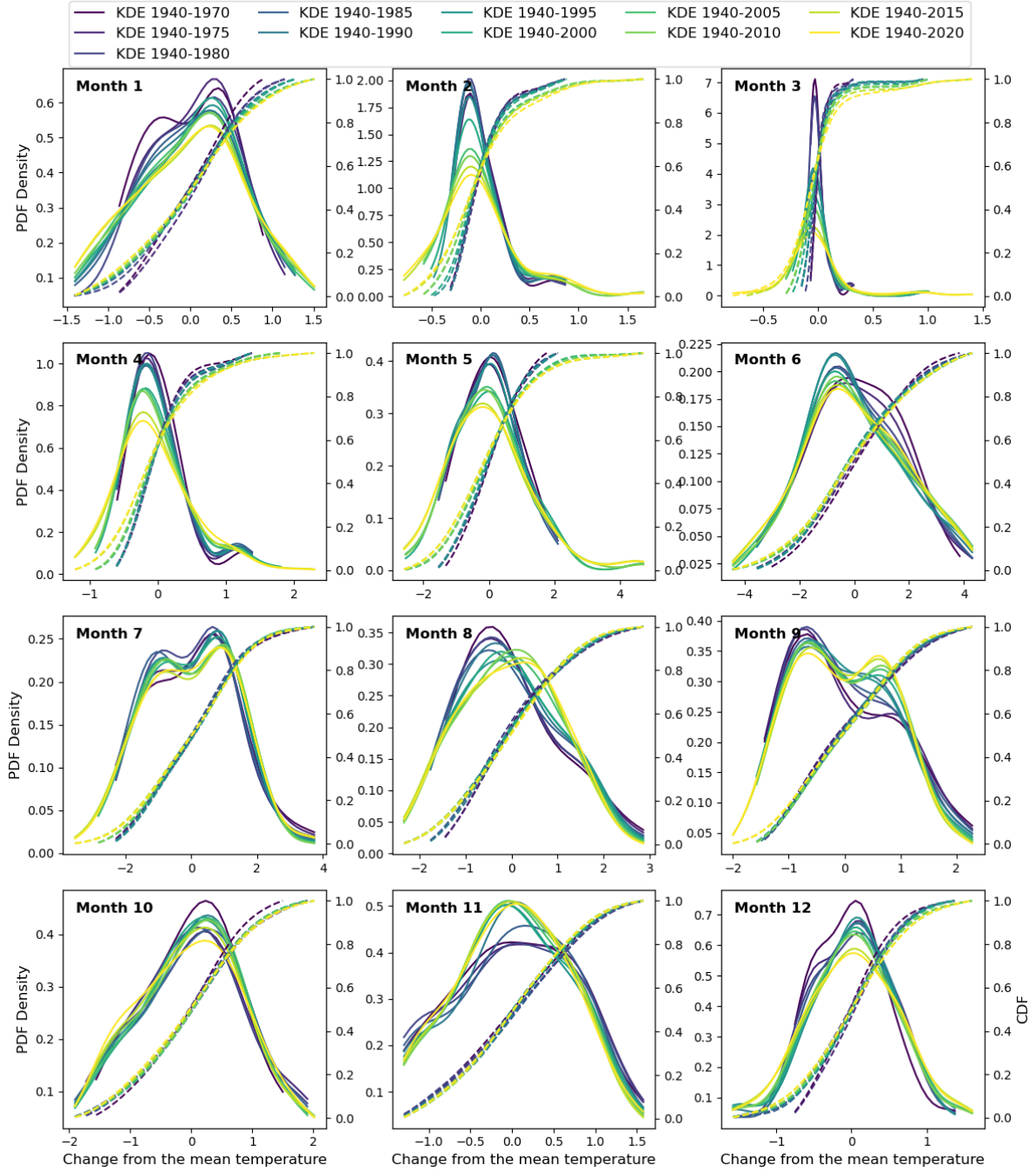
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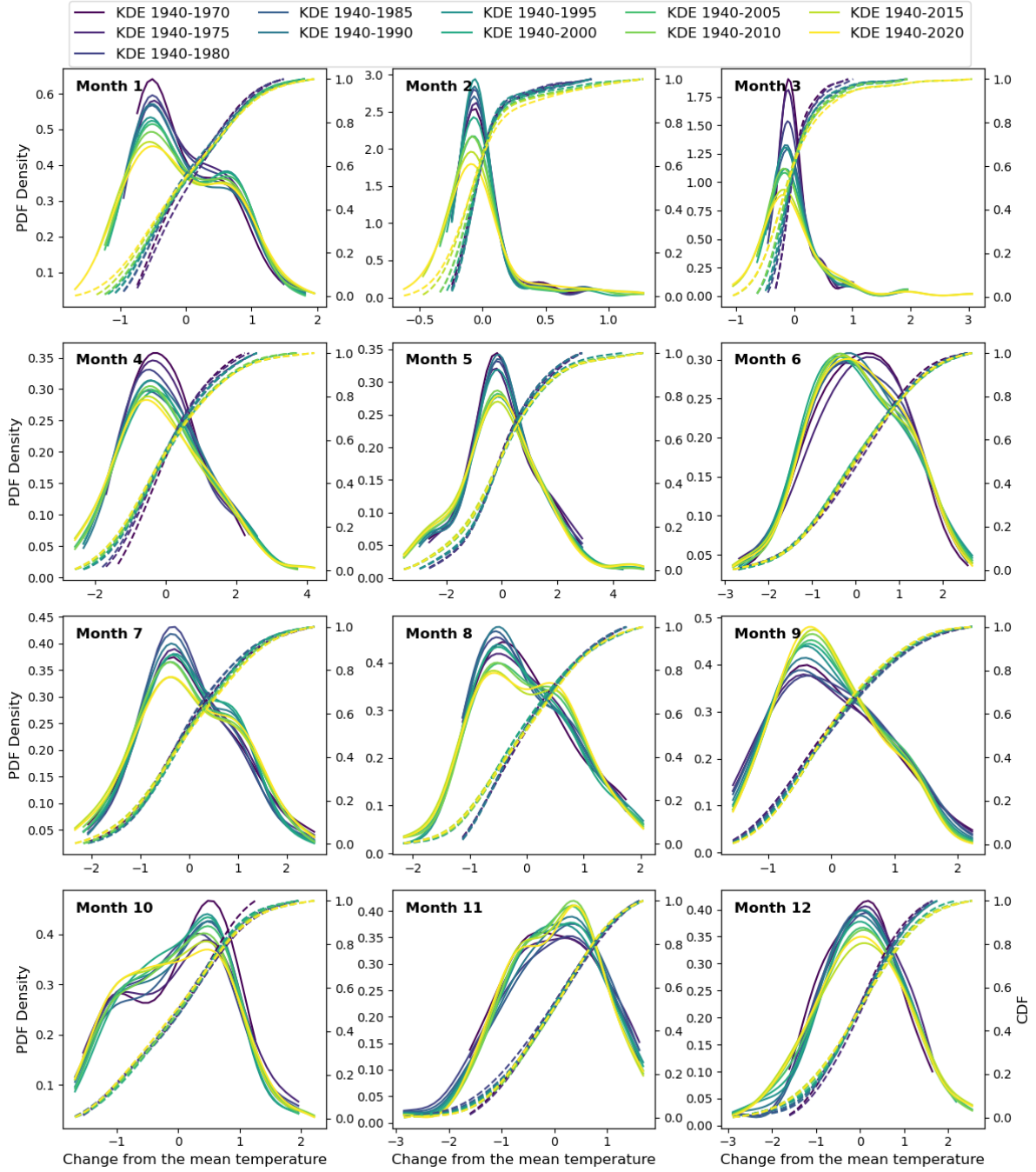
1 Supplementary Figures



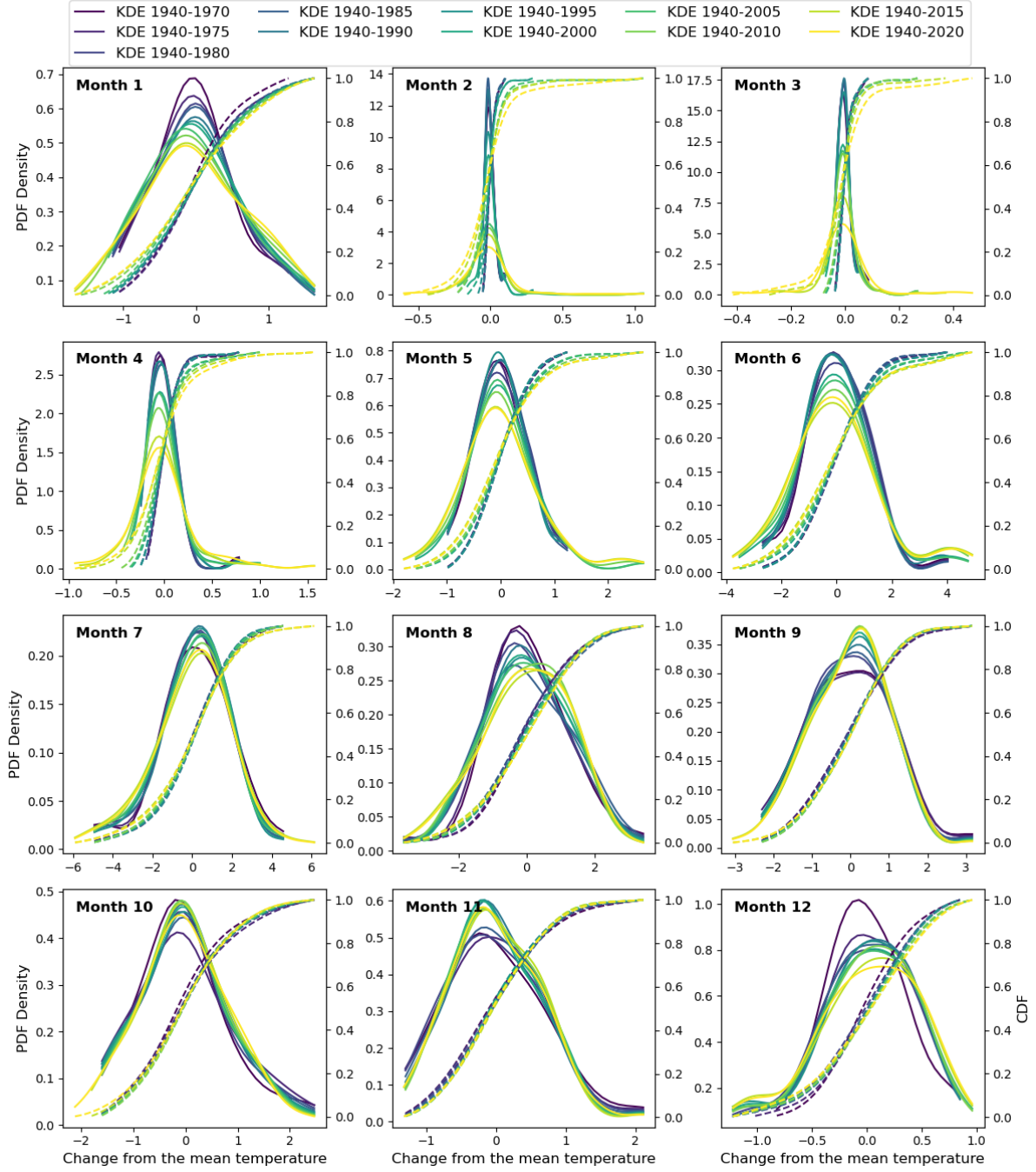
Supplementary Figure 1: Left column shows the yearly averaged LST with the detected nonlinear trend for all lakes. Right column shows the resulting annual DLST for all lakes.



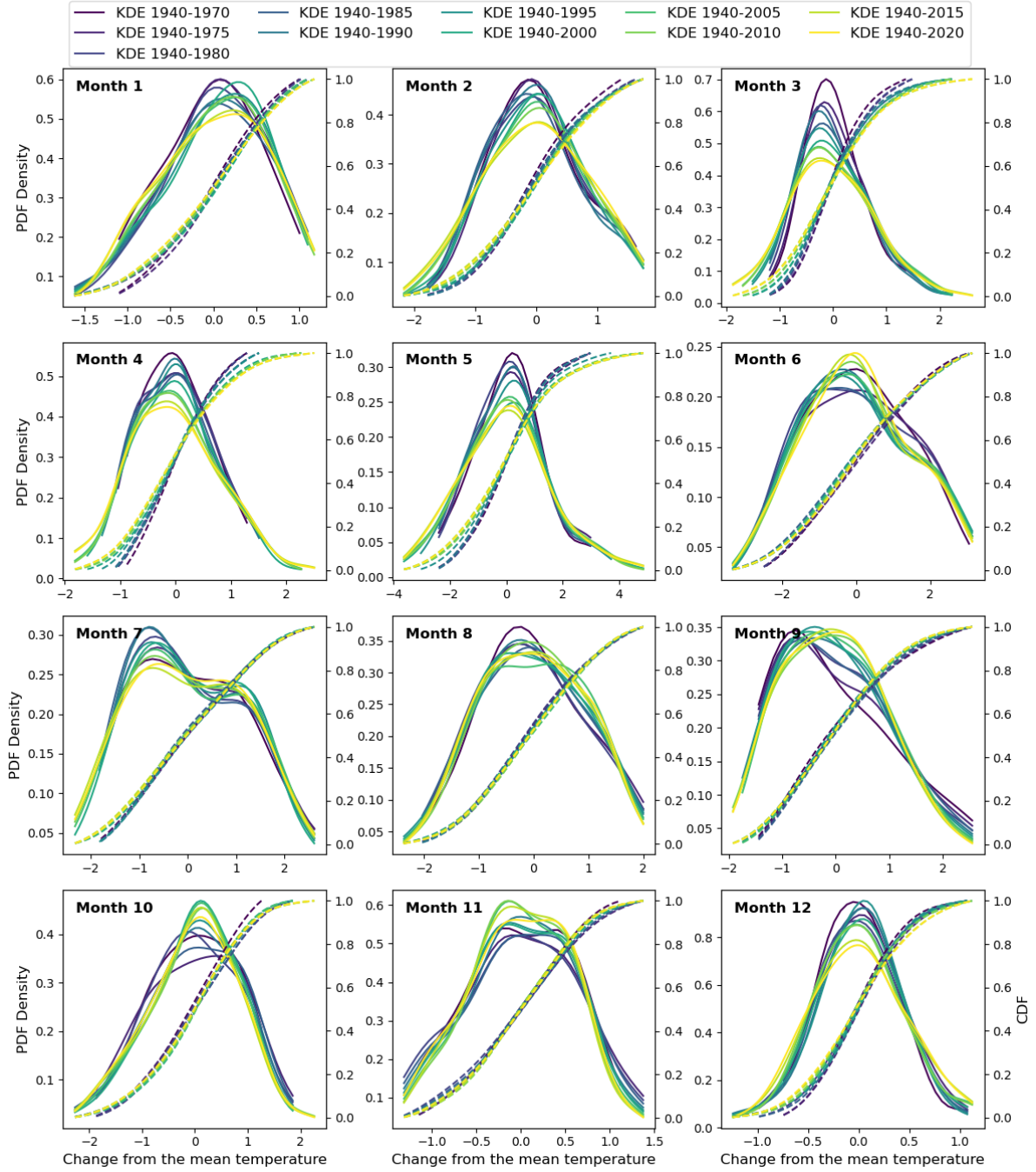
Supplementary Figure 2: Monthly averaged DLST distribution with time for all months for Lake Huron



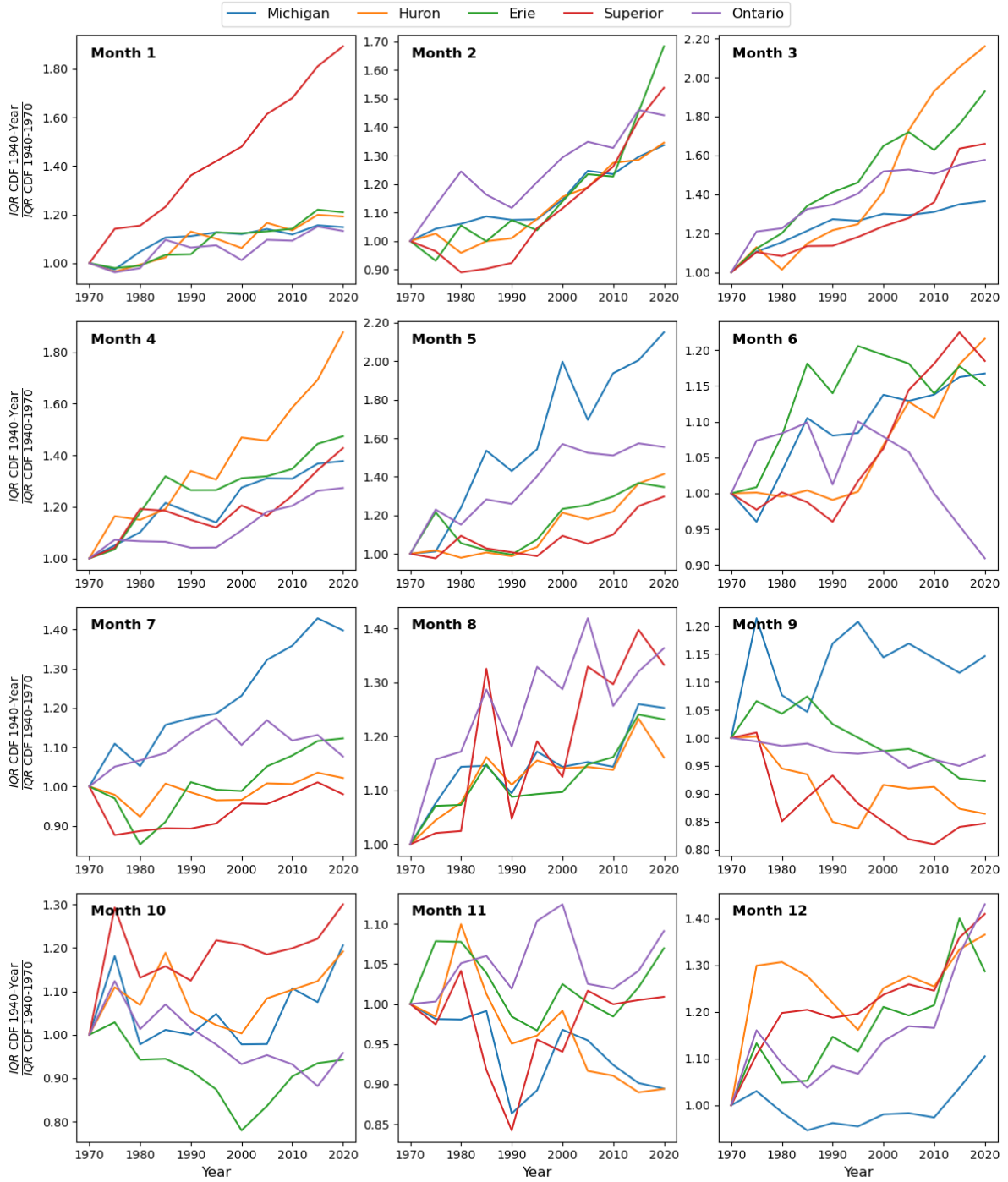
Supplementary Figure 3: Monthly averaged DLST distribution with time for all month for Lake Erie



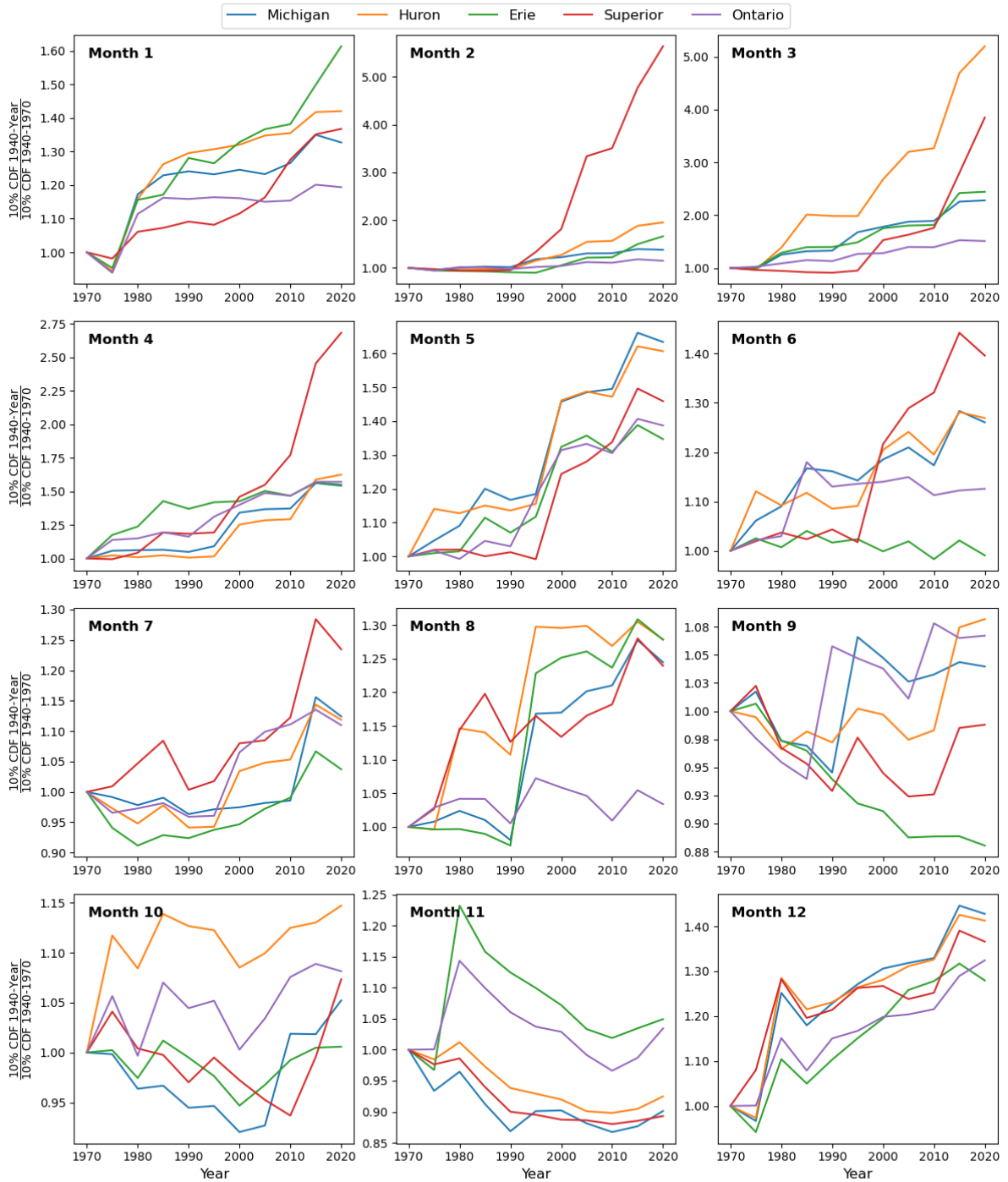
Supplementary Figure 4: Monthly averaged DLST distribution with time for all month for Lake Superior



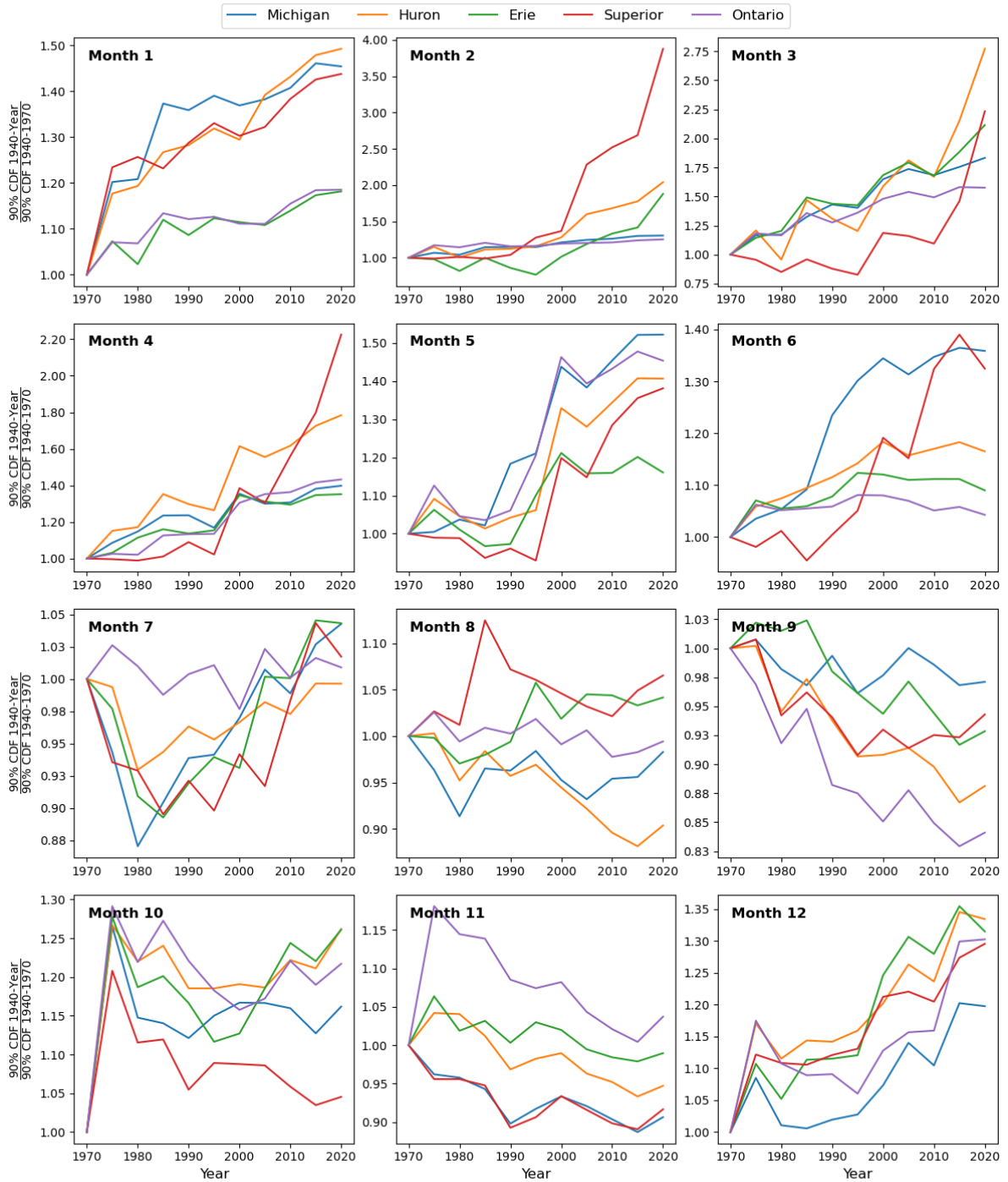
Supplementary Figure 5: Monthly averaged DLST distribution with time for all month for Lake Ontario



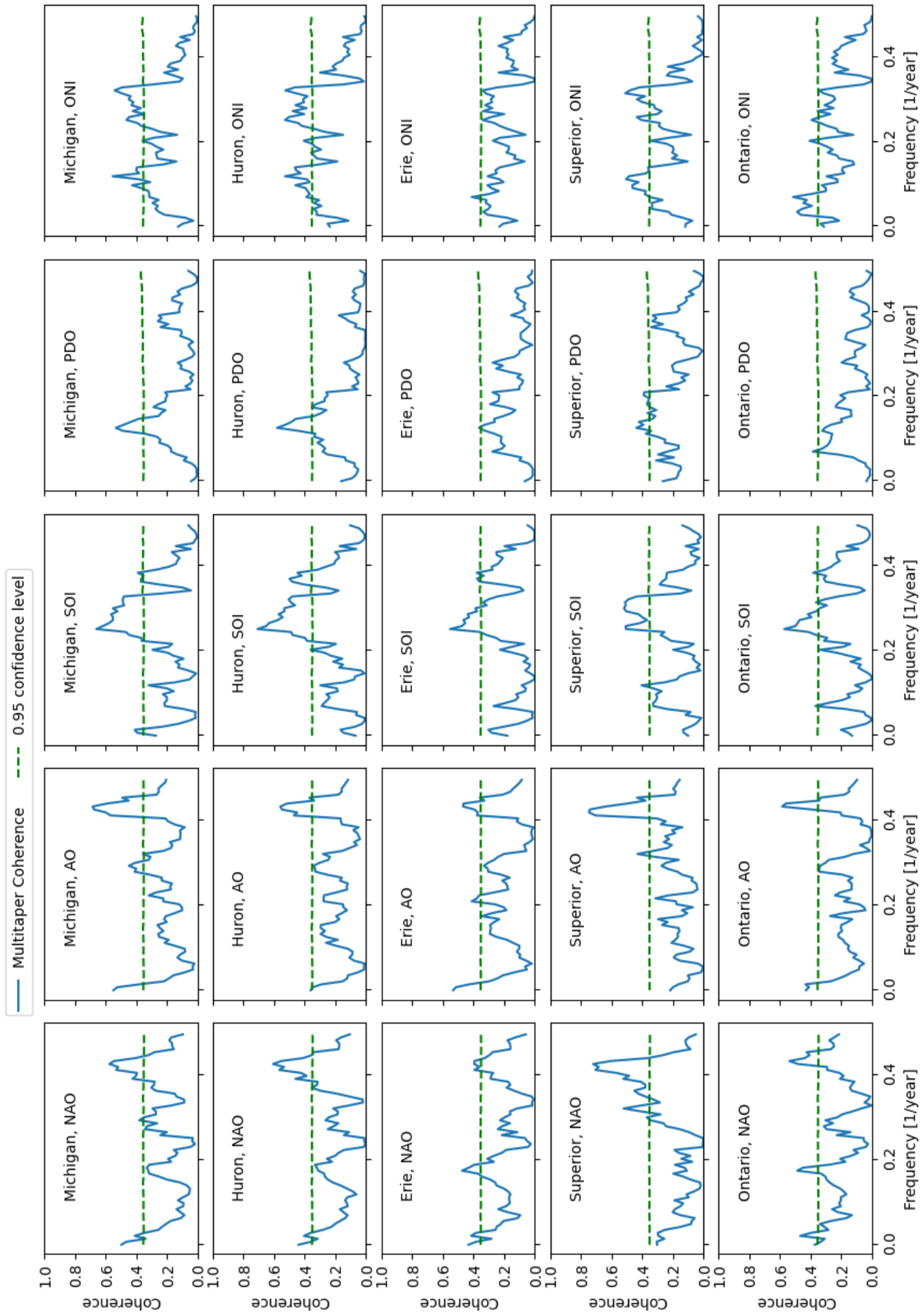
Supplementary Figure 6: Time series of the relative IQR of monthly averaged DLST distribution with time for each lake for all months.



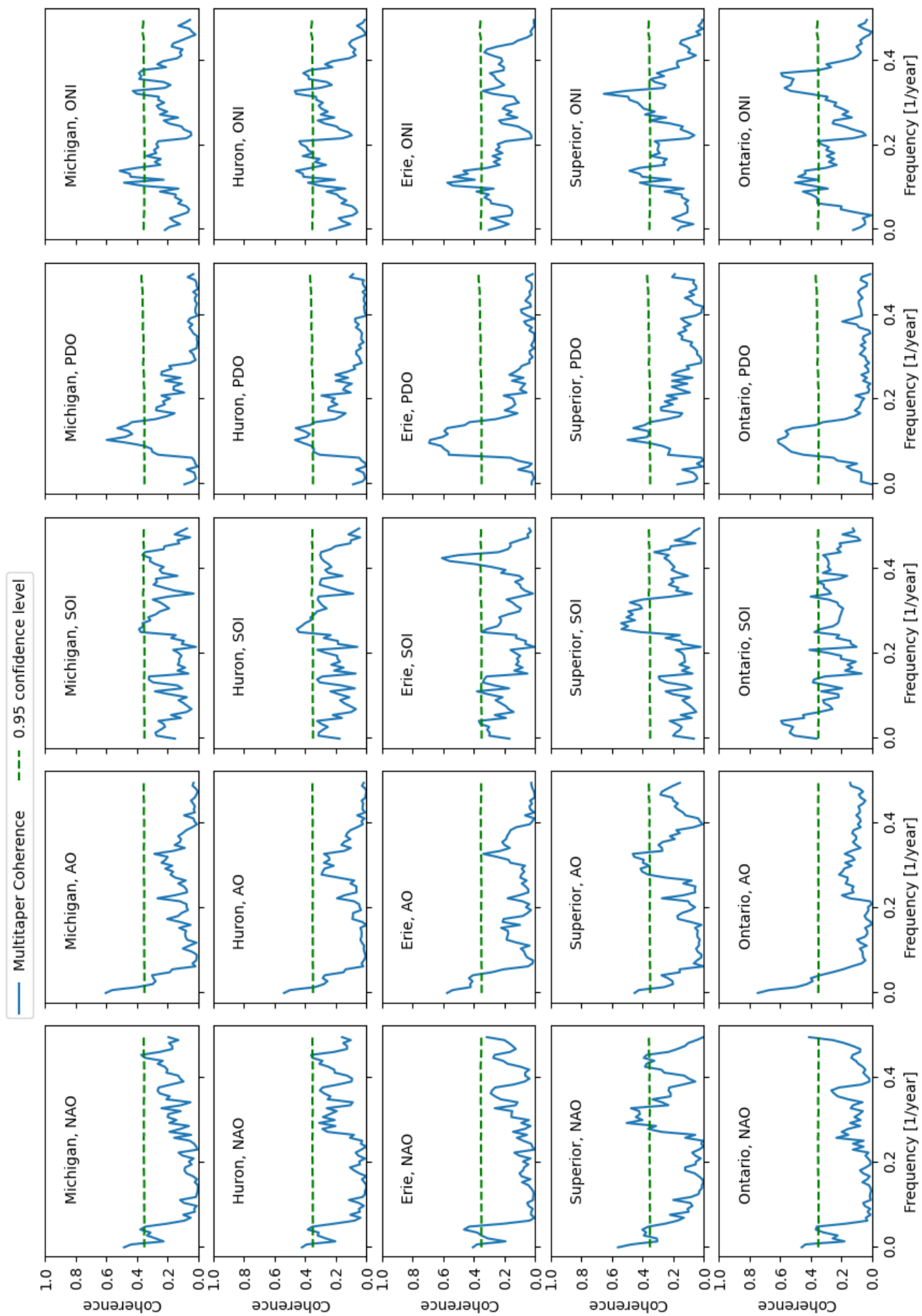
Supplementary Figure 7: Time series of the relative 10 percentile monthly averaged DLST distribution with time for each lake for all months



Supplementary Figure 8: Time series of the relative 90 percentile monthly averaged DLST distribution with time for each lake for all months



Supplementary Figure 9: Spectrum coherence between the annual degree heating days of heatwaves and climate teleconnections. Each column represents a different teleconnection index. Each row represents a different lake



Supplementary Figure 10: Spectrum coherence between the annual degree cooling days of cold-spells and climate teleconnections. Each column represents a different teleconnection index. Each row represents a different lake