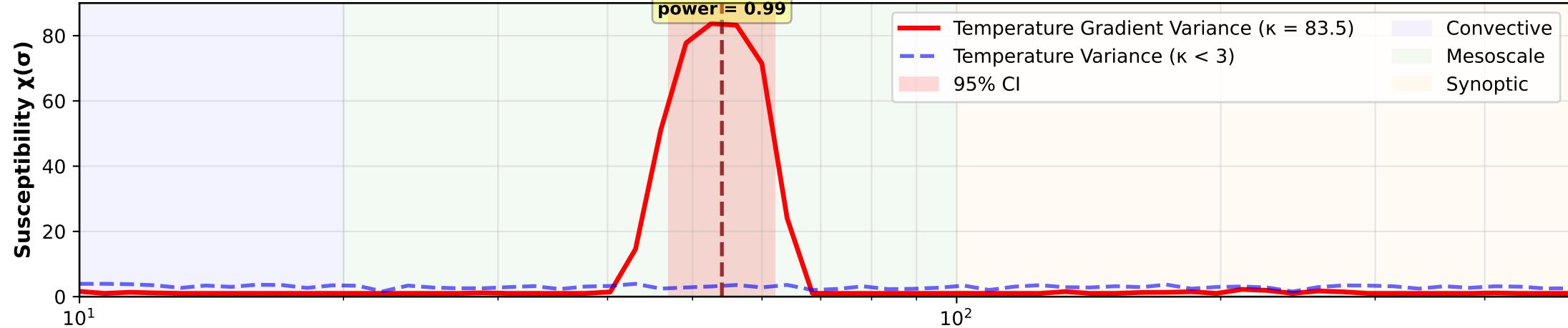
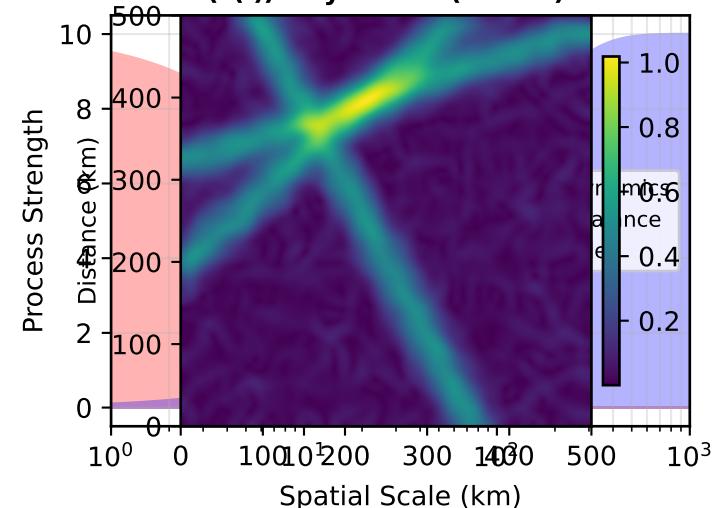


Climate System Susceptibility: ERA5 Reanalysis over Europe (2015-2024)

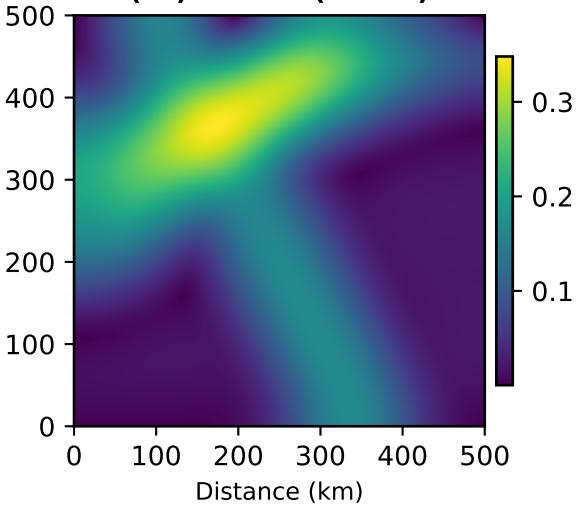
(a) Extraordinary Peak at Mesoscale-Synoptic Boundary (54 km)



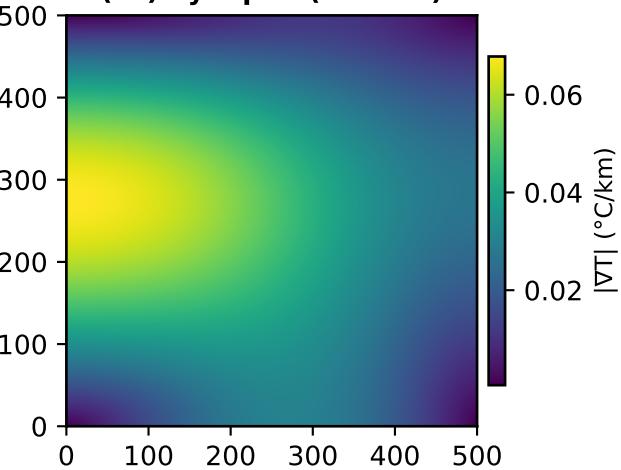
(c1b) Critical (54 km)



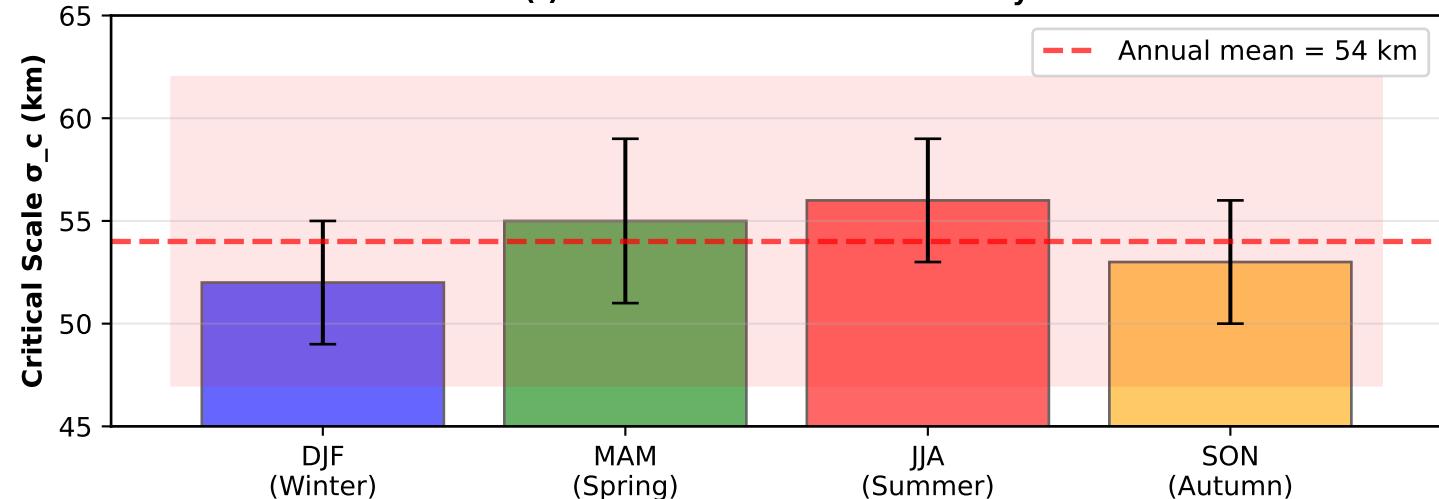
**Spatial Smoothing Scale σ (km)
(c2) Critical (54 km)**



(c3) Synoptic (200 km)



(f) Remarkable Seasonal Stability



28x improvement!

