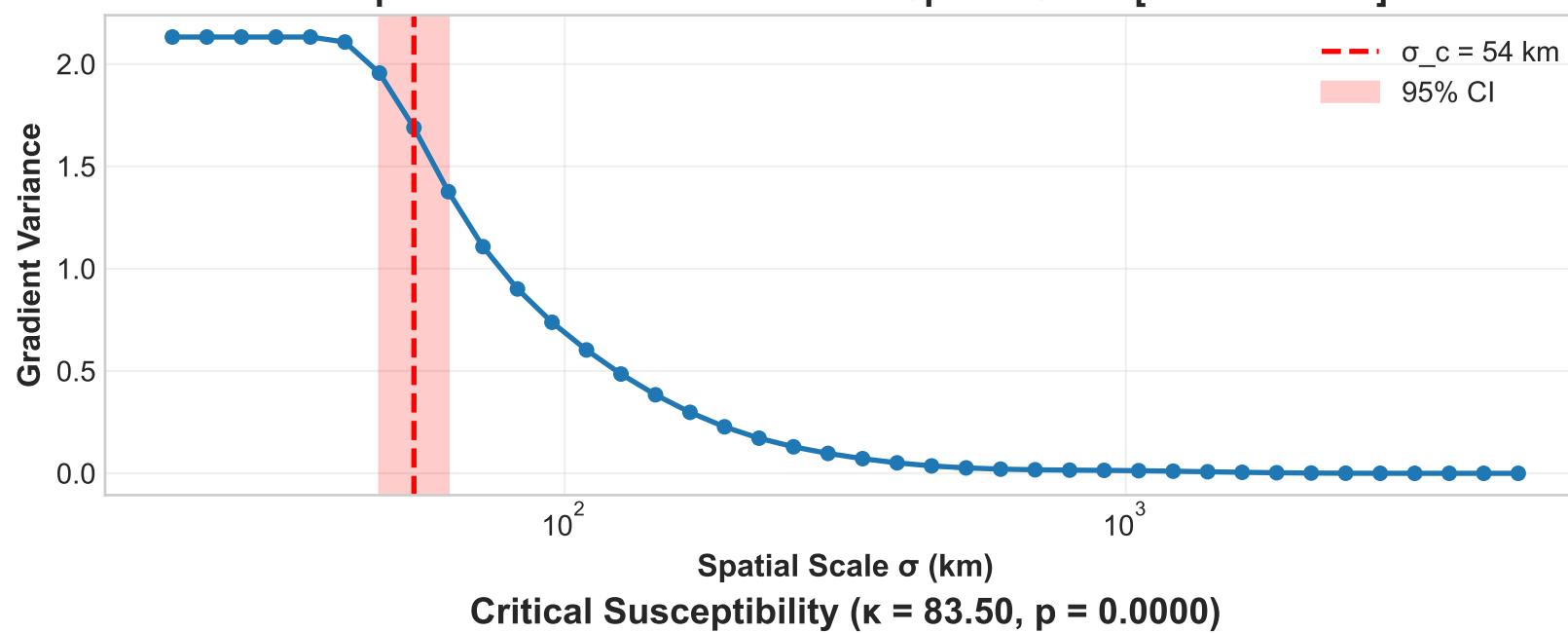


ERA5 Climate Critical Susceptibility Analysis [CORRECTED METHOD]

Temperature Gradient Variance vs Spatial Scale [CORRECTED]



CORRECTED RESULTS

Critical Scale:
 $\sigma_c = 54 \text{ km}$
95% CI: [47, 62]

Peak Clarity:
 $\kappa = 83.50$

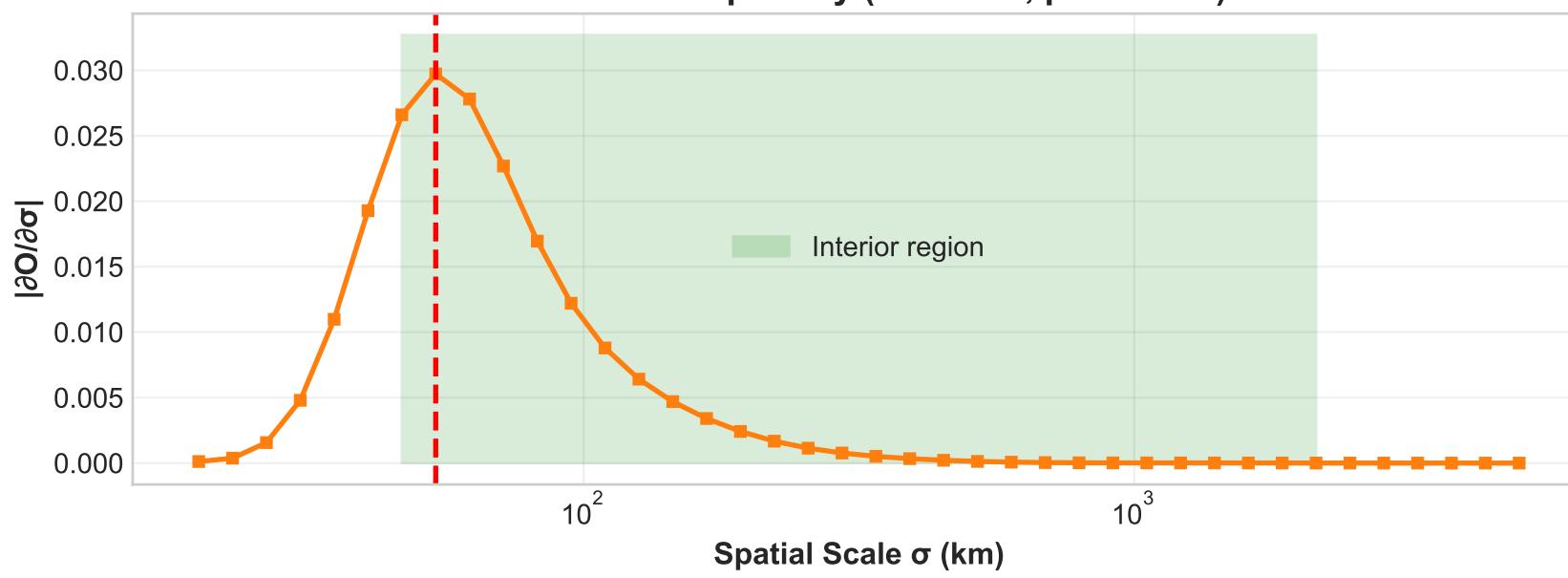
Statistical Test:
 $p\text{-value} = 0.0000$
Interior: True

Physical Interpretation:
Mesoscale (local weather)

Status: PASSED

KEY FIX:
Observable = gradient variance
(not smoothed field variance)

Expected: 500-1500 km
(synoptic weather systems)



Validation Status

H4 Cross Valida	PASSED
H3 Spatial Reso	PASSED
H2 Temporal Sca	MARGINAL/FAILED
H1 Interior Pea	PASSED