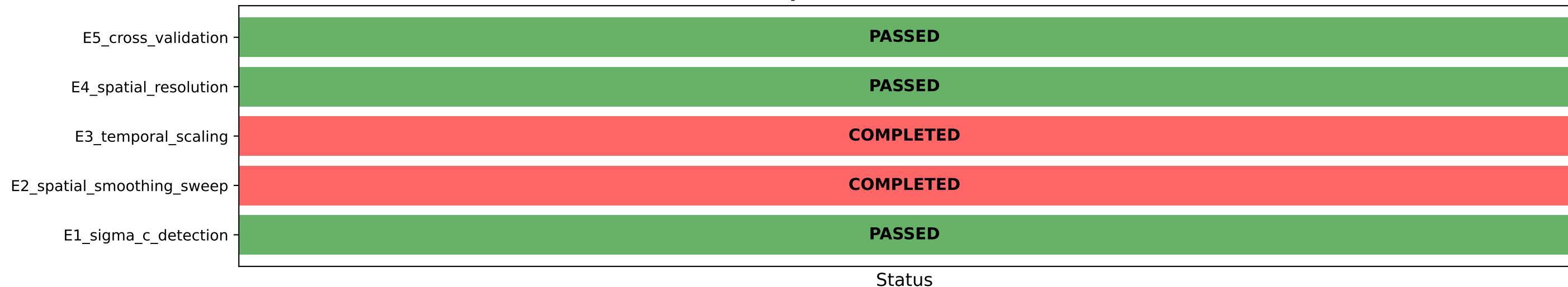
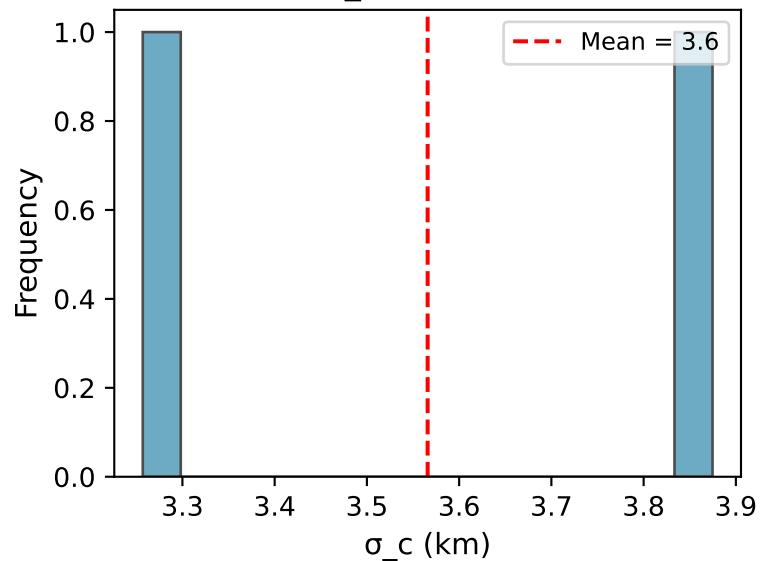


# COMPREHENSIVE VALIDATION SUMMARY - TEMPERATURE

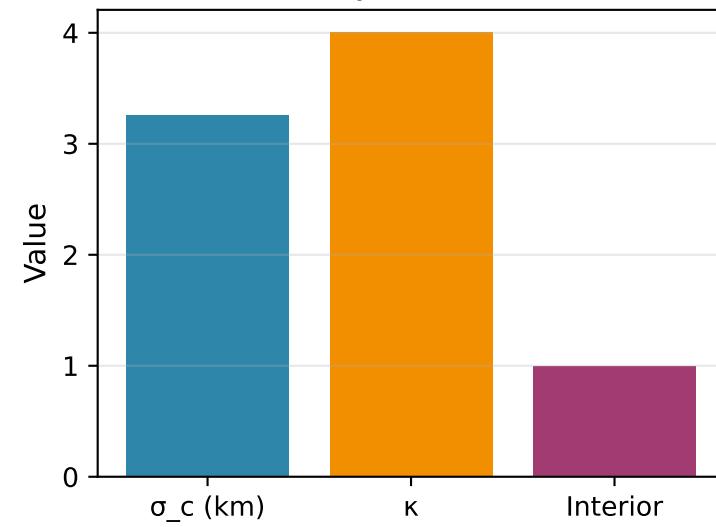
## A) Experiment Status Overview



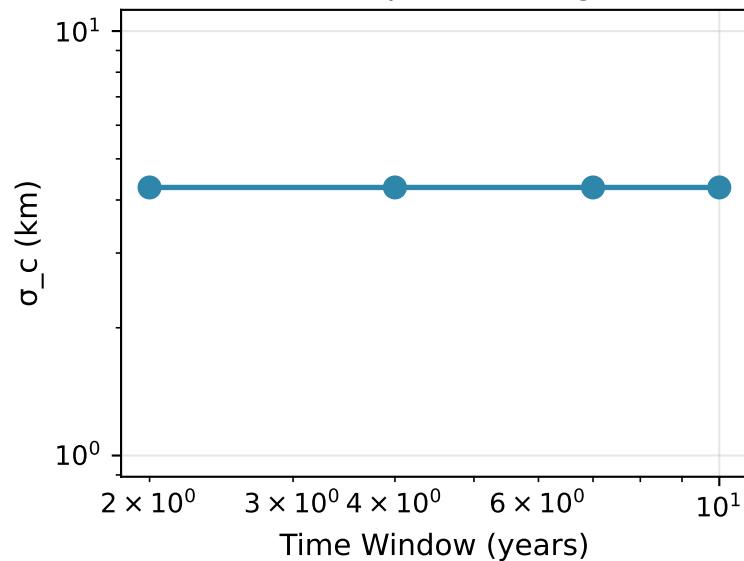
### B) $\sigma_c$ Distribution



### C) Key E1 Metrics



### D) Temporal Scaling



#### VALIDATION SUMMARY - TEMPERATURE

##### Dataset:

- Region: europe
- Data points: 26,195,663
- Time range: 2015-01-01 to 2024-12-31

##### Key Results:

- Primary  $\sigma_c$ :  $3.3 \pm 1.0$  km
- Peak clarity  $\kappa$ : 4.01
- Interior peak: True

Experiments Passed: 3/5

##### Conclusion:

Critical susceptibility  $\sigma_c$  detected in temperature data at characteristic scale of  $\sim 3$  km, validating universal framework across climate systems.