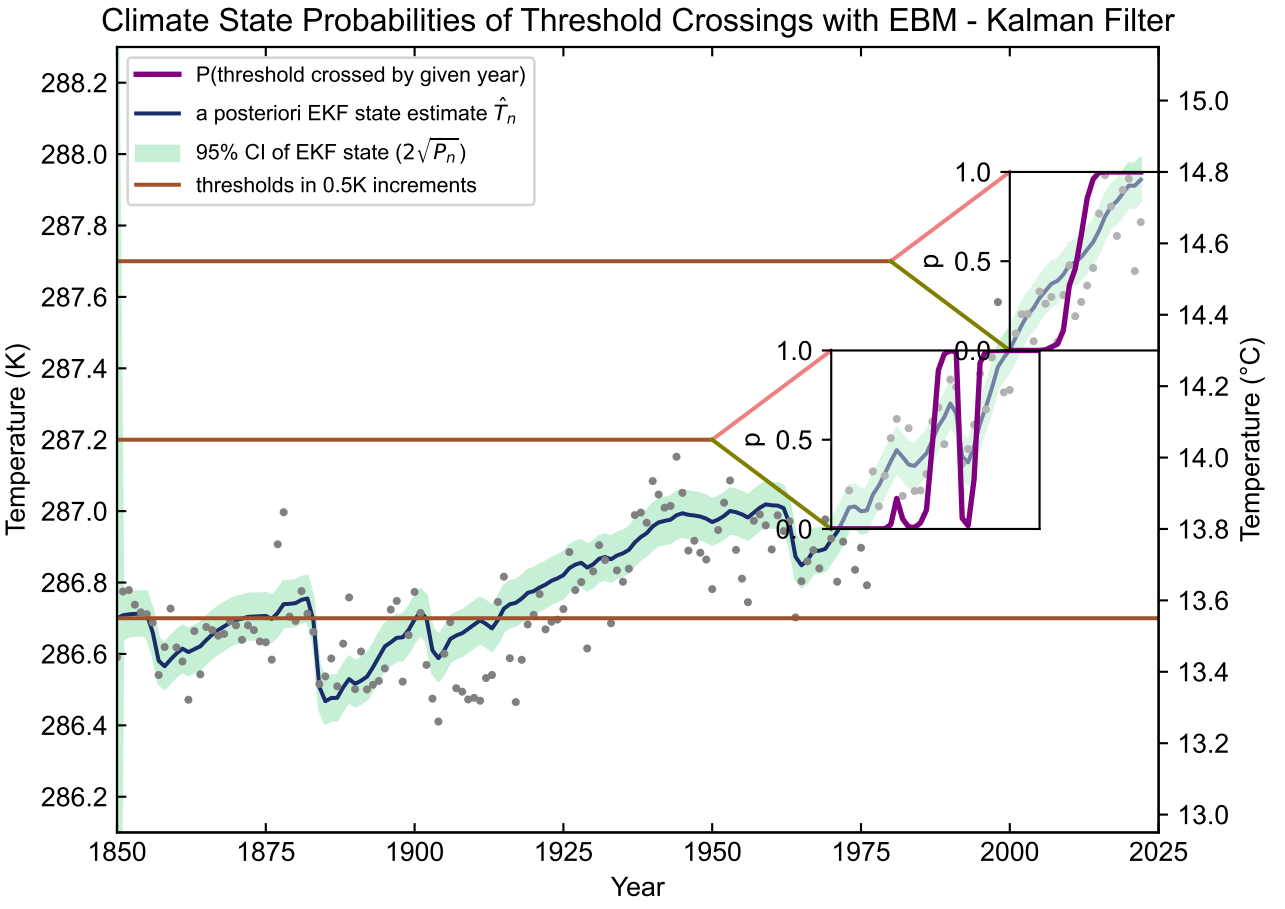
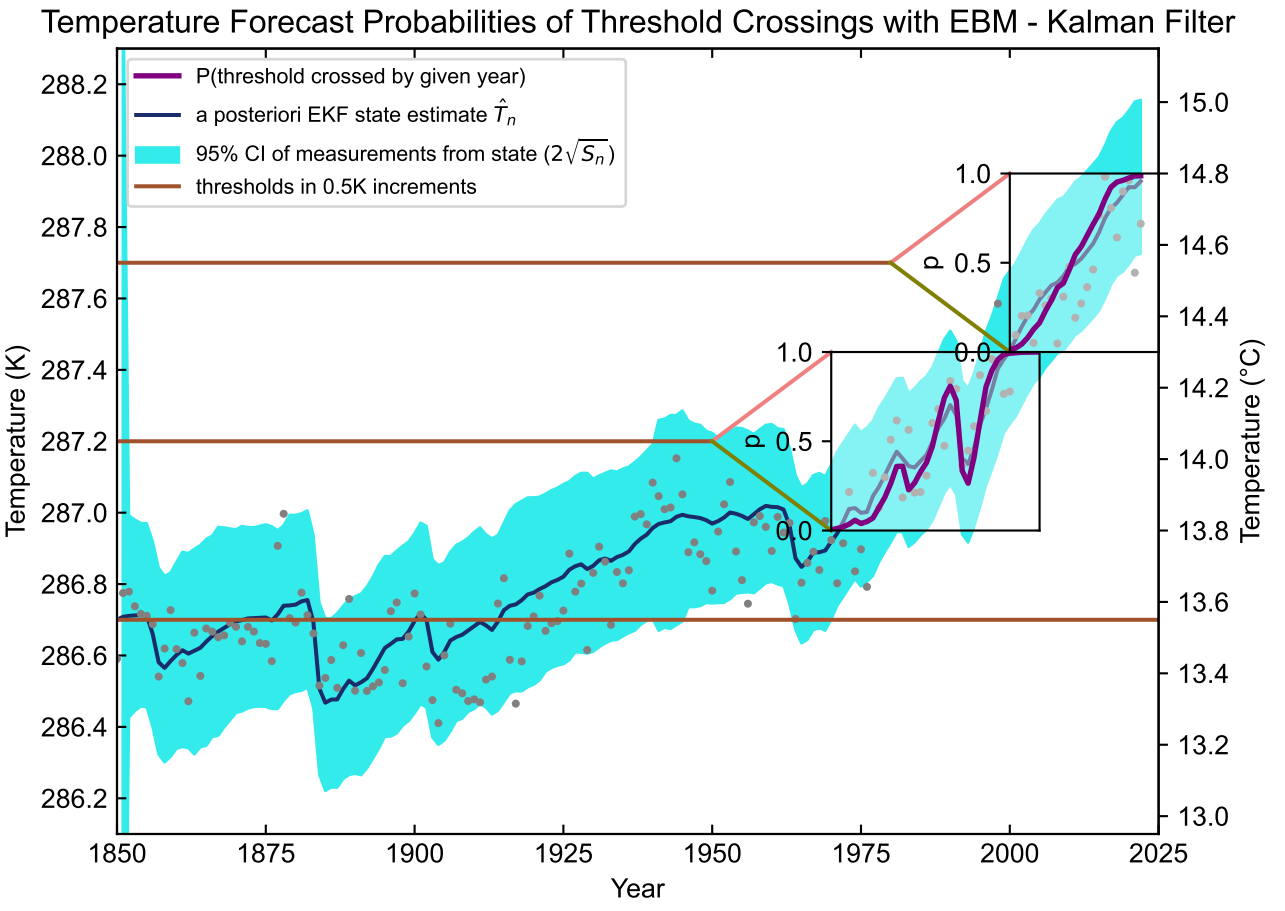

Climate State Probabilities of Threshold Crossings with EBM - Kalman Filter
P(threshold crossed by given year)
a posteriori EKF state estimate $\hat{T}_n$
95% CI of EKF state ($2\sqrt{P_n}$)
thresholds in 0.5K increments
Temperature (K)
Temperature (°C)
Year
p
1850
1875
1900
1925
1950
1975
2000
2025


Temperature Forecast Probabilities of Threshold Crossings with EBM - Kalman Filter
P(threshold crossed by given year)
a posteriori EKF state estimate $\hat{T}_n$
95% CI of measurements from state ($2\sqrt{S_n}$)
thresholds in 0.5K increments
Temperature (K)
Temperature (°C)
Year
p
1850
1875
1900
1925
1950
1975
2000
2025