Projected Surface Climate State

a) **SSP245 Future Projection**
b) **SSP585 Future Projection**

Legend (panel a):
- past EBM-KF GMST state estimate $\hat{T}_t$
- 95% CI ($\pm 2\sqrt{\hat{p}_t^T}$) of GMST state $\hat{T}_t$
- HadCRUT5 measurements Y_t
- Samples from volc distn of EBM-KF GMST
- Future EBM-KF GMST state, const. volc
- 2.5-97.5% CI of volc EBM-KF GMST

Axis labels: Temperature (K), Temperature (°C), Year

Colorbar: Probability Density per 0.4K