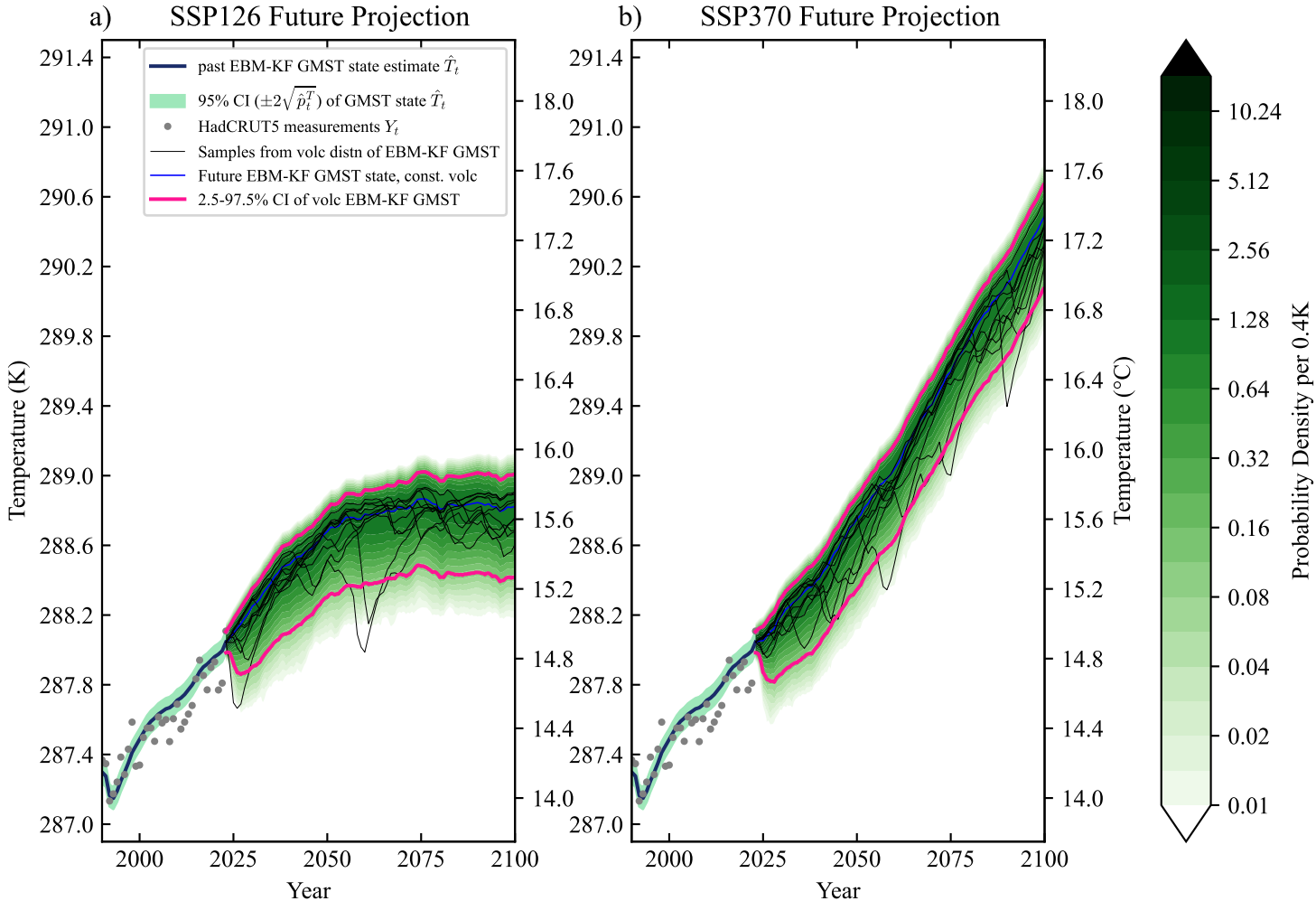
Projected Surface Climate State
a)
SSP126 Future Projection
b)
SSP370 Future Projection
past EBM-KF GMST state estimate $\hat{T}_t$
95% CI ($\pm 2\sqrt{\hat{p}_t^T}$) of GMST state $\hat{T}_t$
HadCRUT5 measurements Y_t
Samples from volc distn of EBM-KF GMST
Future EBM-KF GMST state, const. volc
2.5-97.5% CI of volc EBM-KF GMST
Temperature (K)
Temperature (°C)
Year
Probability Density per 0.4K
291.4
291.0
290.6
290.2
289.8
289.4
289.0
288.6
288.2
287.8
287.4
287.0
18.0
17.6
17.2
16.8
16.4
16.0
15.6
15.2
14.8
14.4
14.0
2000
2025
2050
2075
2100
10.24
5.12
2.56
1.28
0.64
0.32
0.16
0.08
0.04
0.02
0.01