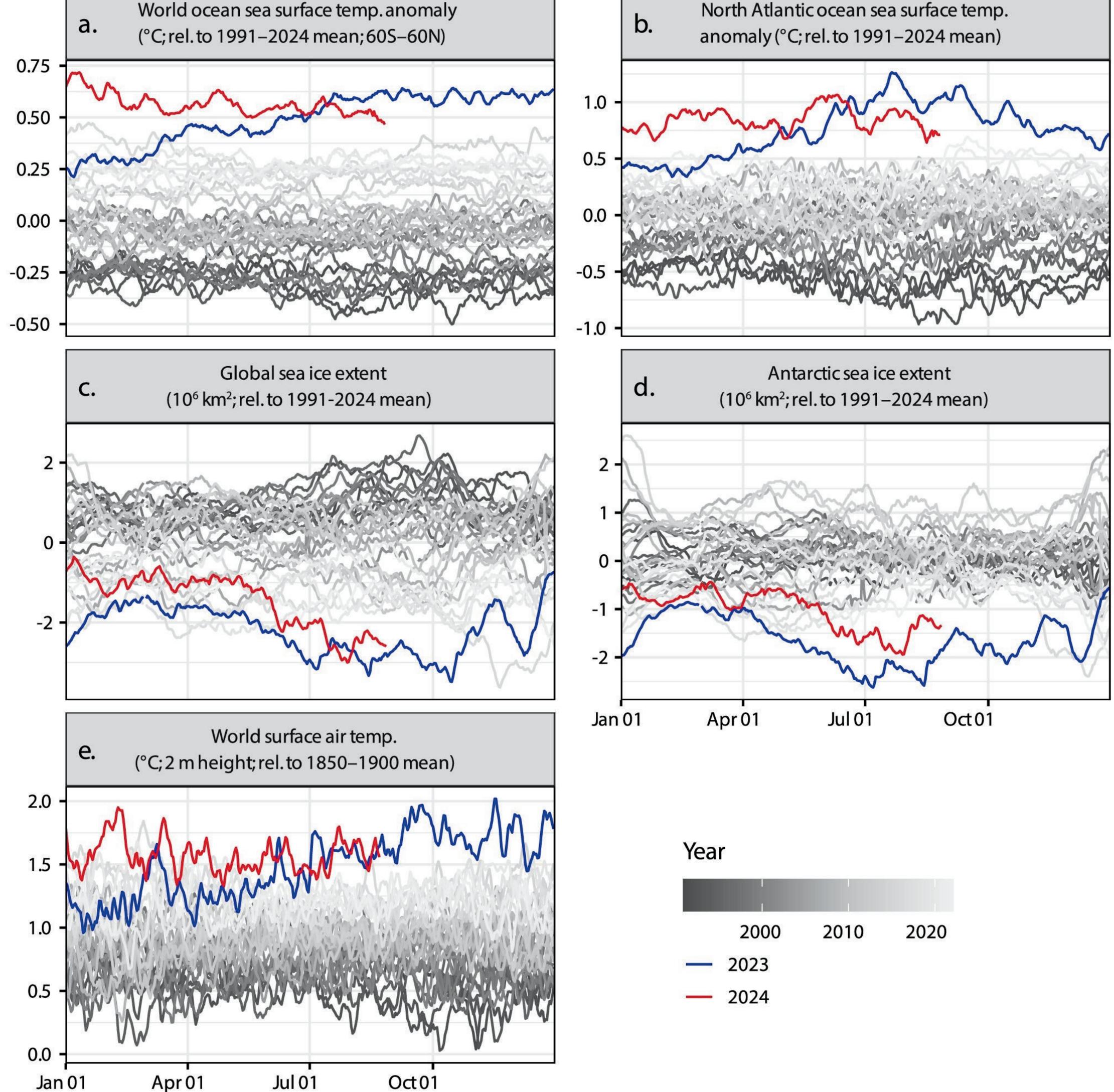
THE SCIENCE IS CLEAR

The 2024 state of the climate report: Perilous times on planet Earth

Ripple, William J., et al. "The 2024 state of the climate report: Perilous times on planet Earth." BioScience (2024): biae087.



Unusual climate anomalies in 2023 and 2024. Ocean temperatures (a, b) are presently far outside their historical ranges. These anomalies reflect the combined effect of long-term climate change and short-term

variability. Sources and additional details about each variable are provided in supplemental file S1. Each line corresponds to a different year, with darker gray representing later years. All of the variables shown are daily estimates.

