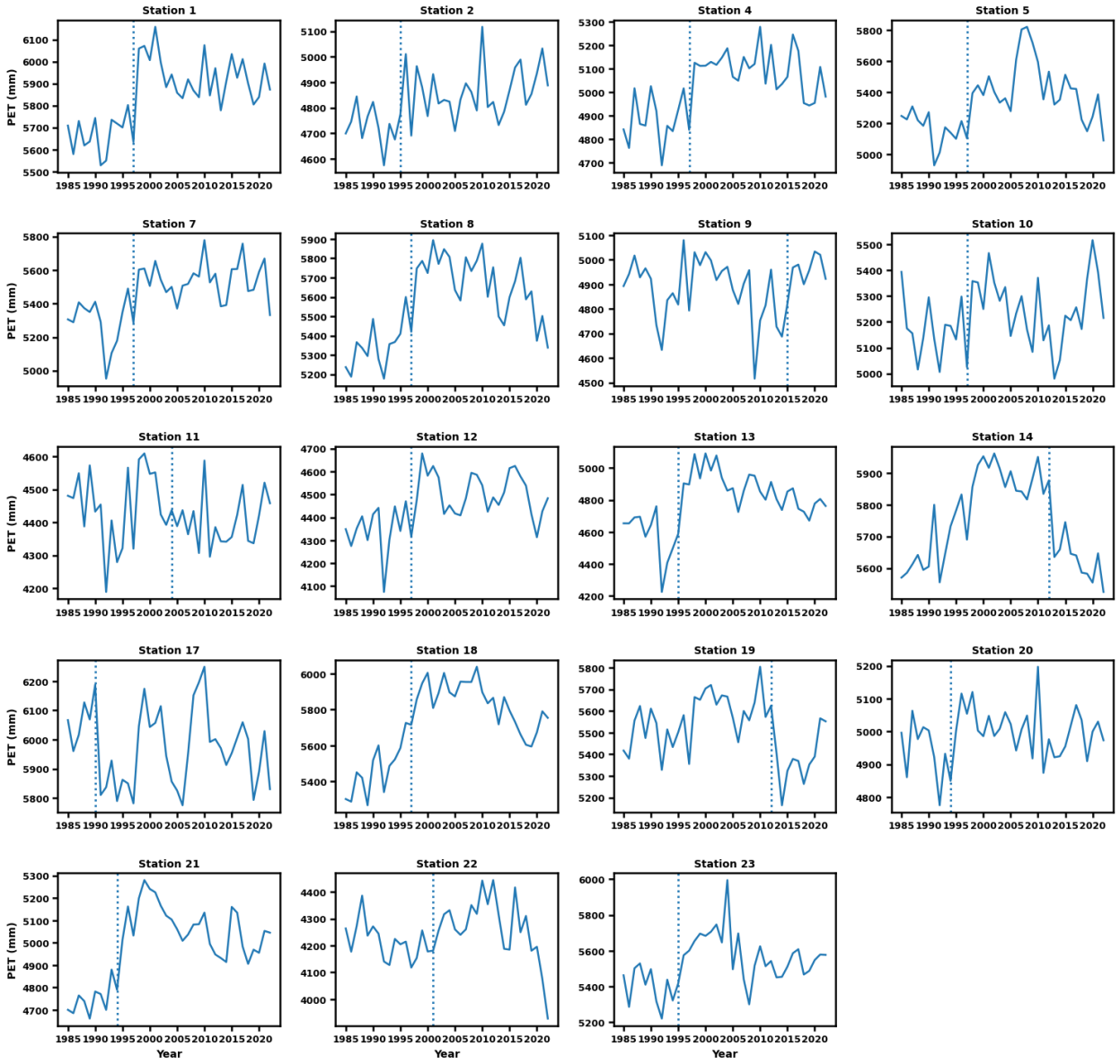


Figure S1. Station-level Pettitt change-point analysis of annual potential evapotranspiration (PET) across Saudi Arabia for the period 1985–2022. Each panel shows the annual PET time series for an individual station, while the dotted vertical line denotes the estimated change point detected by Pettitt's test.

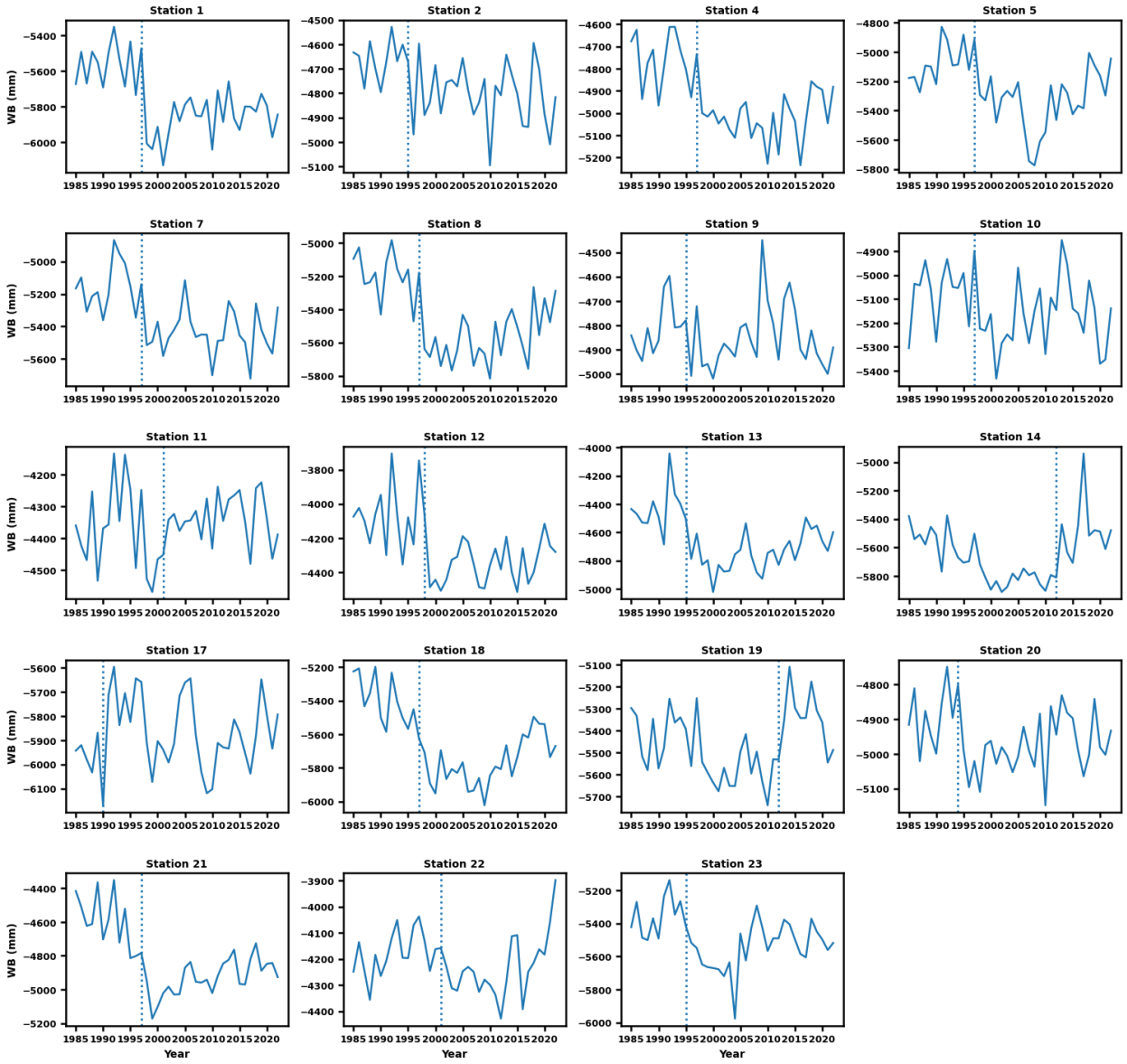


Figure S2. Pettitt change-point detection results for annual water balance at the analyzed meteorological stations across Saudi Arabia during the period 1985-2022. Each subplot represents an individual station, and the dotted vertical line indicates the estimated change-point year identified by Pettitt's test.