

Temporal and spatial variability of dryness conditions in Kazakhstan during 1979-2021 based on reanalysis data

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Supplementary materials

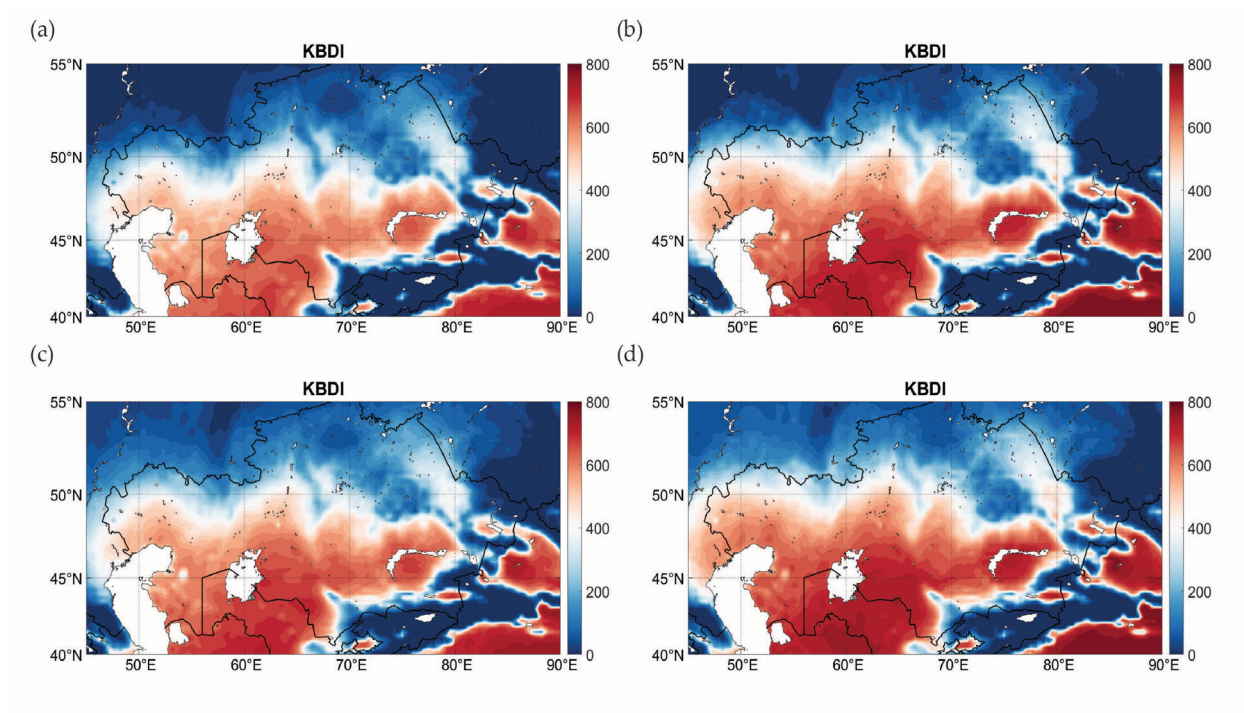


Figure S1: The mean spatial distributions of the KBDI index over Kazakhstan in spring (MAM, upper panel) and summer (JJA, bottom panel) for periods 1979-2000 (left column) and 2001-2021 (right column).

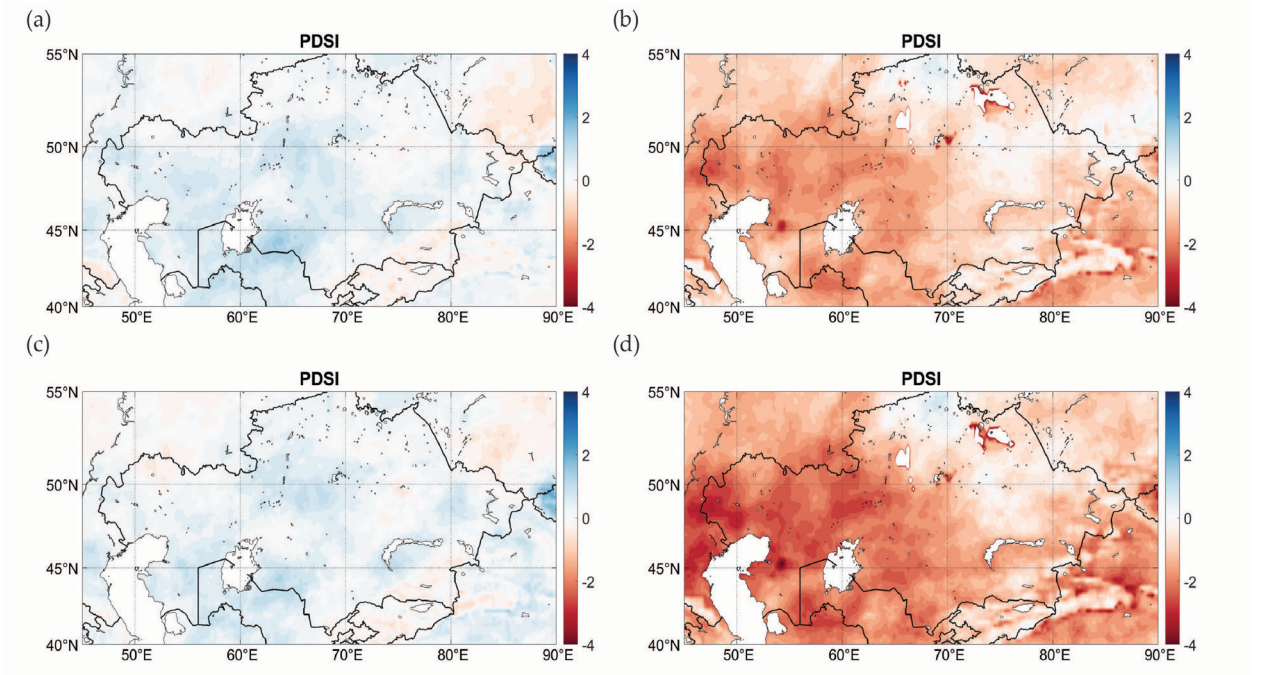


Figure S2: The mean spatial distributions of the PDSI index over Kazakhstan in spring (MAM, upper panel) and summer (JJA, bottom panel) for periods 1979-2000 (left column) and 2001-2021 (right column).

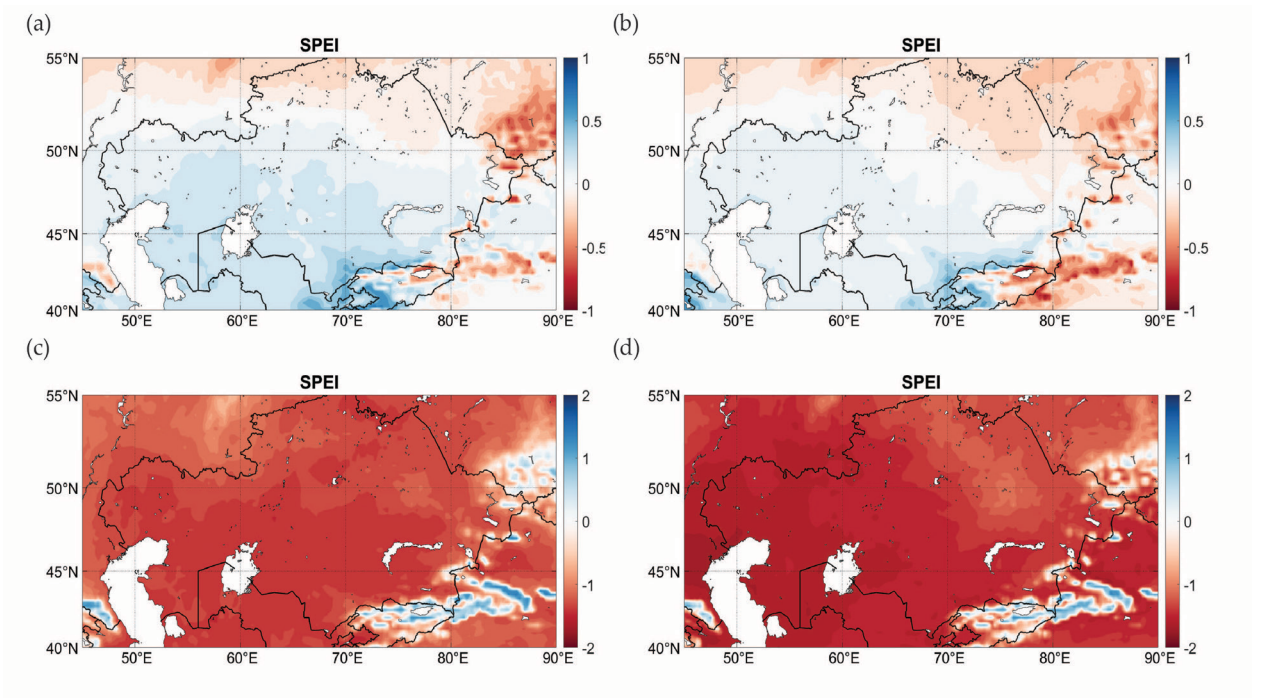


Figure S3: The mean spatial distributions of the SPEI index over Kazakhstan in spring (MAM, upper panel) and summer (JJA, bottom panel) for periods 1979-2000 (left column) and 2001-2021 (right column).

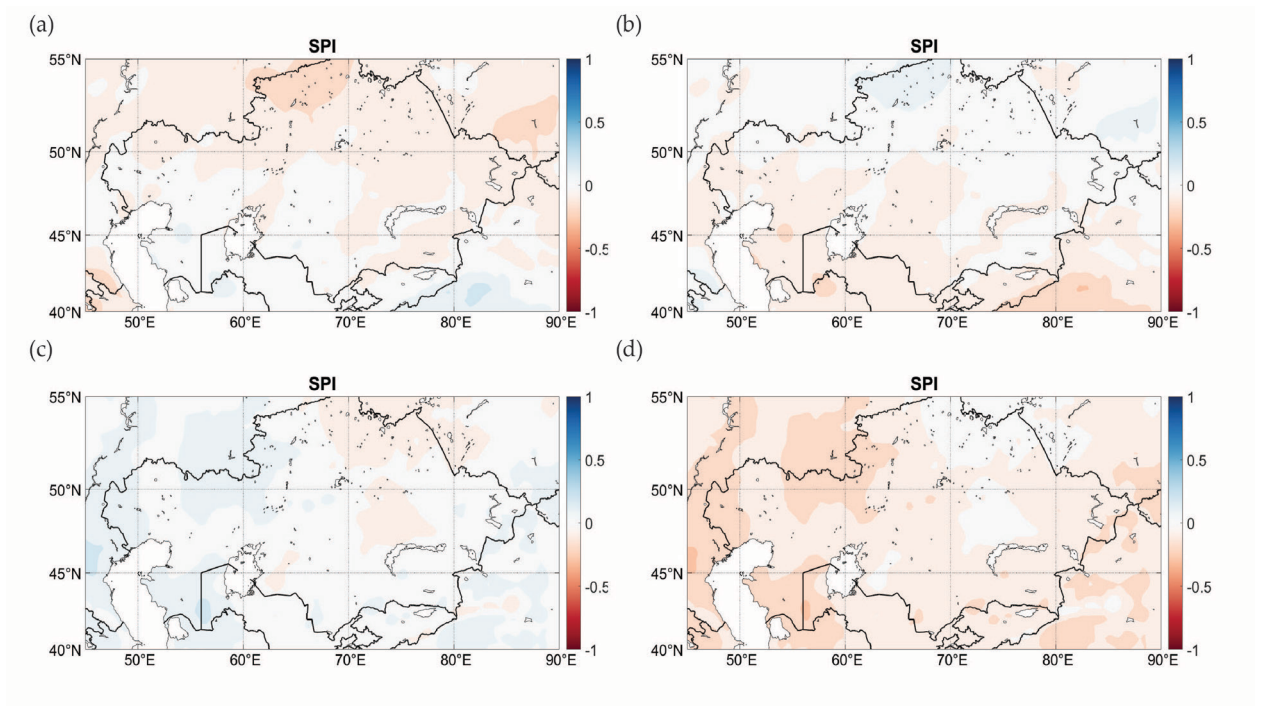


Figure S4: The mean spatial distributions of the SPI index over Kazakhstan in spring (MAM, upper panel) and summer (JJA, bottom panel) for periods 1979-2000 (left column) and 2001-2021 (right column).