



Spatiotemporal Patterns of Terrestrial Evapotranspiration in Response to Climate and Vegetation Coverage Changes across the Chinese Loess Plateau

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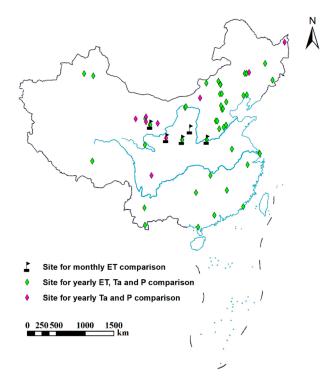


Figure S1. Eddy-covariance flux sites in China used for validating MODIS evapotranspiration (ET) dataset and gridded precipitation (*P*) and air temperature (T_a) datasets generated by AUSPLINE software in this study.

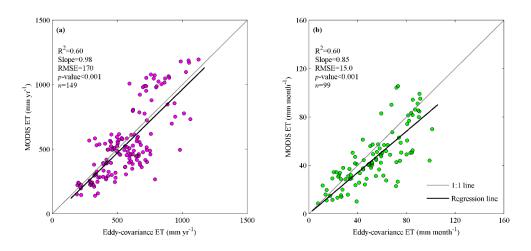


Figure S2. Comparison between eddy-covariance ET and MODIS ET at (**a**) annual scale in China and (**b**) monthly scale in the Chinese Loess Plateau.

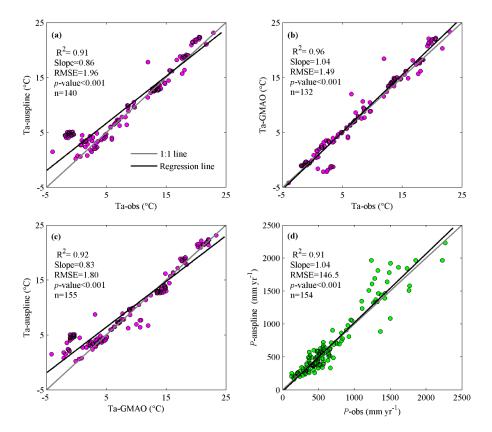


Figure S3. Comparison between point-scale T_a and P observations and interpolated data from AUSPLINE software and GMAO reanalysis data. Comparison between point-scale (**a**) Ta and (**d**) P observations and interpolated data from AUSPLINE software. (**b**) Comparison between point-scale Ta observations and GMAO reanalysis data. (**c**) Comparison of Ta data between GMAO reanalysis data and AUSPLINE gridded data.

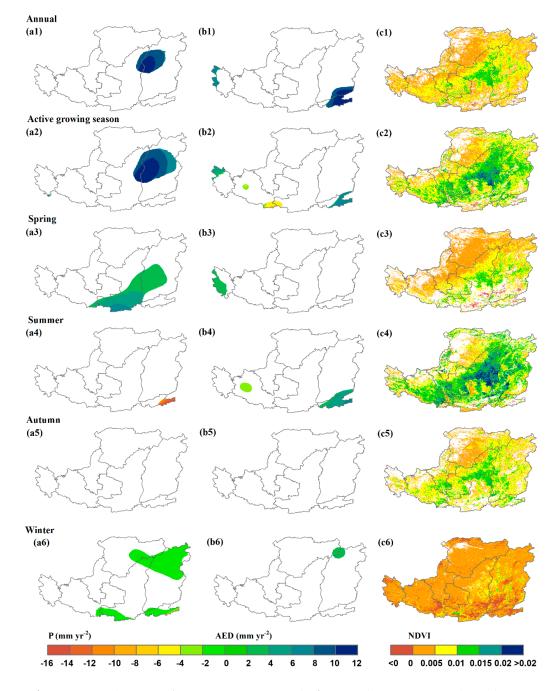


Figure S4. Spatial patterns of (**a**) precipitation (*P*) trends, (**b**) atmospheric evaporative demand (AED) trends, and (**c**) NDVI trends during 2000-2014 at different timescales of (**1**) annual, (**2**) active growing season, (**3**) spring, (**4**) summer, (**5**) autumn, and (**6**) winter in the Chinese Loess Plateau. This figure only shows pixels with significant trends (*p*-value < 0.05).