Supplementary Materials: Dynamics and Drivers of Vegetation Phenology in Three-River Headwaters Region Based on the Google Earth Engine *Remote Sensing* 2021, *x*, Article No.

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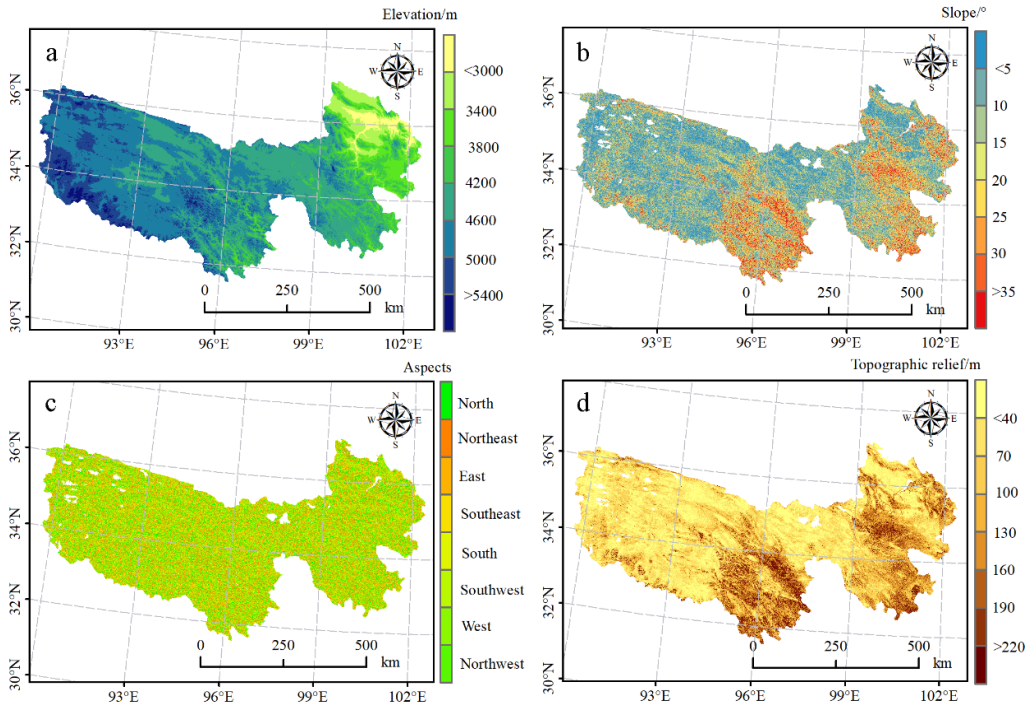
Figure S1. Topographic features of Three-River Headwaters region: (**a**) elevation; (**b**) slope; (c) aspect; and (**d**) topographic relief.
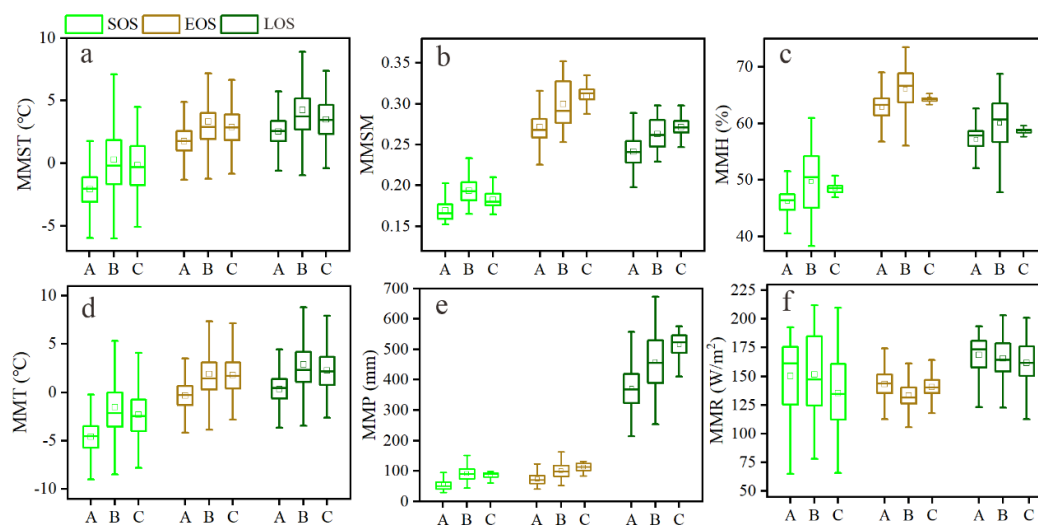

Figure S2. The monthly means for (**a**) soil temperature, (**b**) soil moisture, (**c**) relative humidity, (**d**) temperature, (**e**) precipitation, (**f**) shortwave radiation in the Yangtze (**A**), Yellow (**B**), and Lancang (**C**) river basins in different

periods. Horizontal lines in box plots denote the 95th, 75th, 50th, 25th, and 5th percentiles from top to bottom; the rectangles represent the average values.
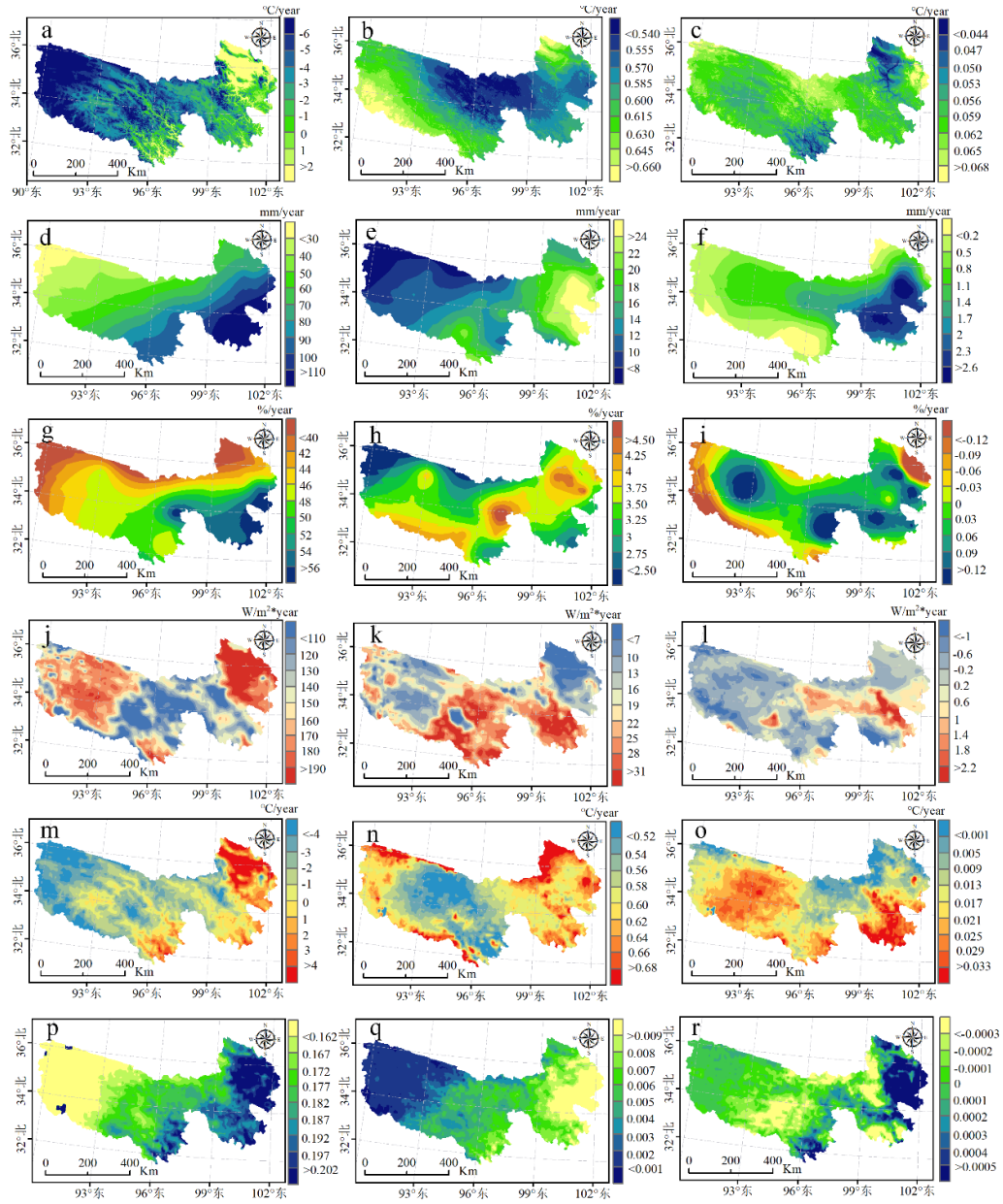

Figure S3. Spatial pattern of (**a, d, g, j, m, and p**), standard deviation (**b, e, h, k, n, and q**) and temporal trend (**c, f, i, l, o, and r**) for the monthly mean temperature, precipitation, relative humidity, shortwave radiation, soil temperature, and soil moisture at the start of the growing season.
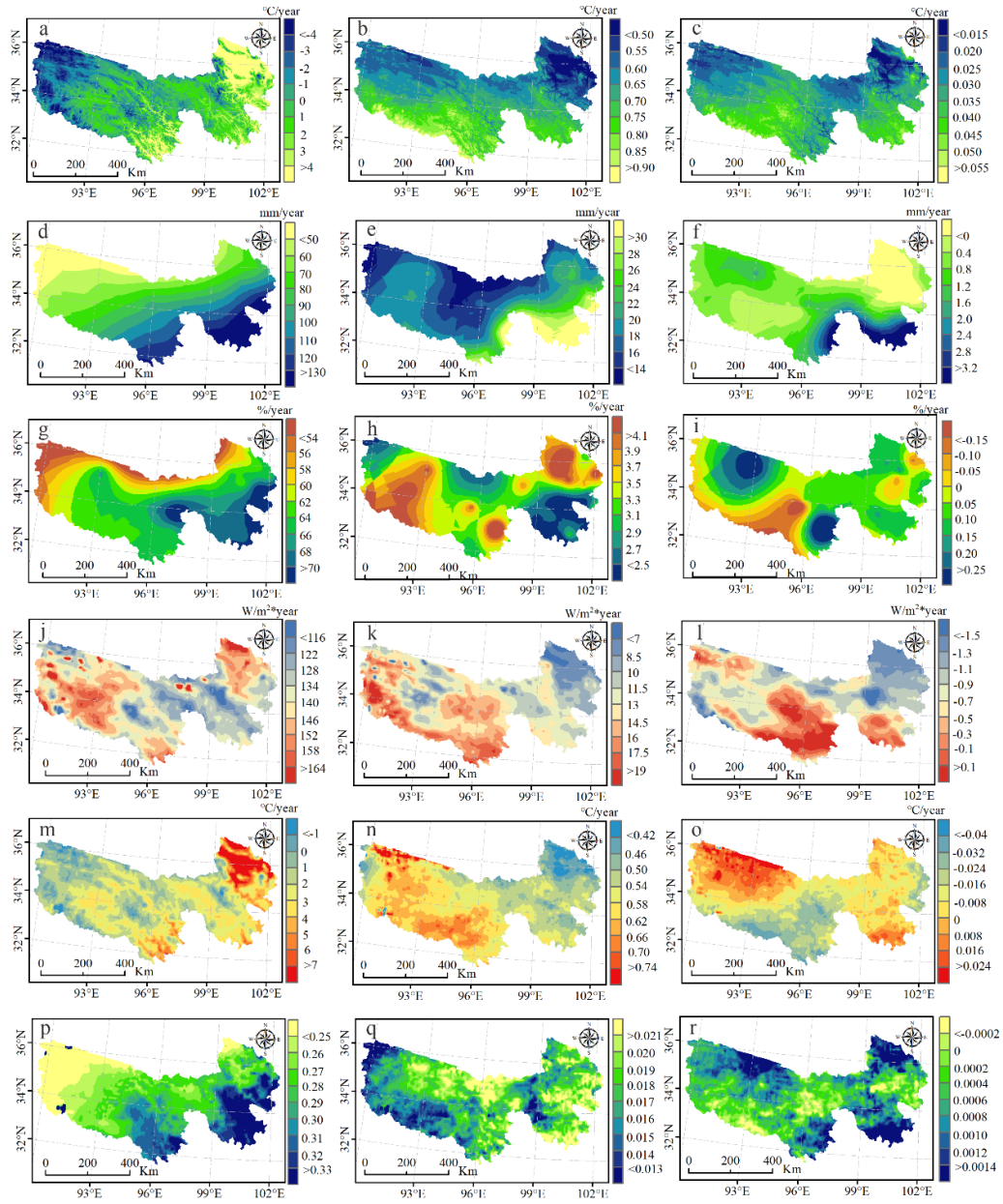
Figure S4. Spatial pattern of (**a, d, g, j, m, and p**), standard deviation (**b, e, h, k, n, and q**), and temporal trend (**c, f, i, l, o, and r**) for the monthly mean temperature, precipitation, relative humidity, shortwave radiation, soil temperature, and soil moisture at the end of the growing season.
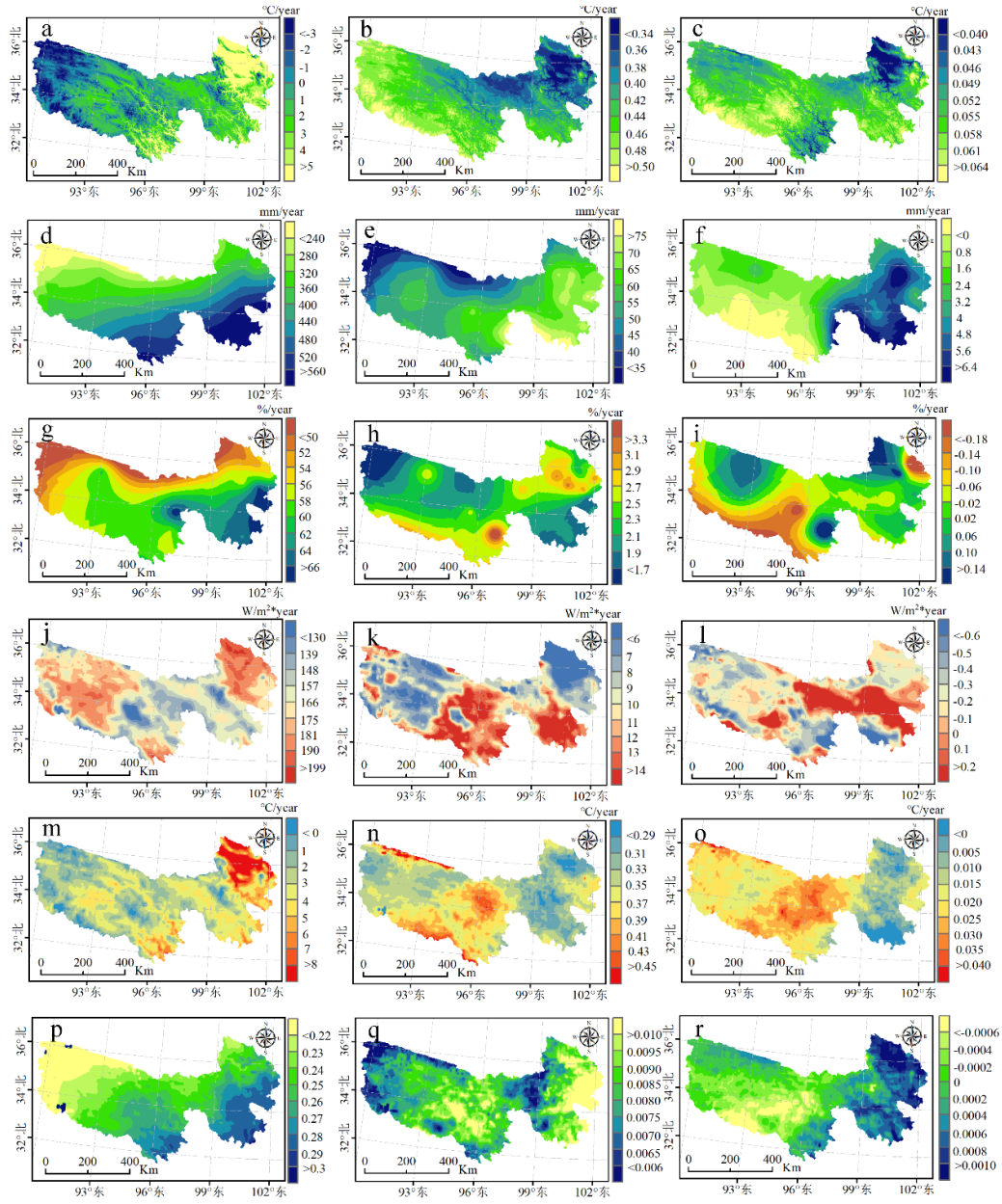
Figure S5. Spatial pattern (**a, d, g, j, m, and p**), standard deviation (**b, e, h, k, n, and q**), and temporal trend (**c, f, i, l, o, and r**) for the monthly mean temperature, precipitation, relative humidity, shortwave radiation, soil temperature, and soil moisture in length of the growing season.