

Electronic Supplementary Material to: Causes of a Typical Southern Flood and Northern Drought Event in 2015 over Eastern China*

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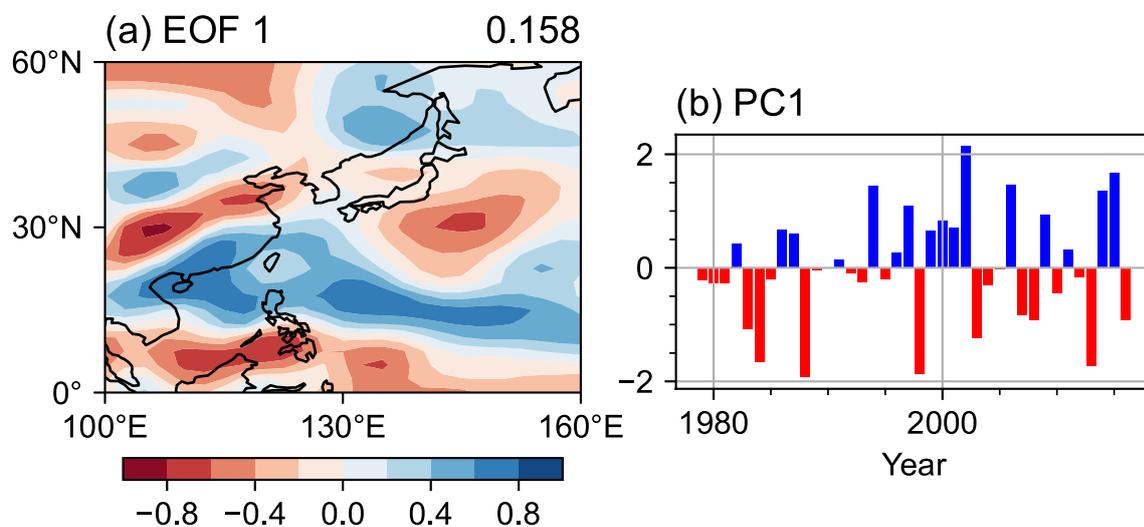


Fig. S1. Definitions of the PJ/EAP pattern and the PJ/EAP index. (a) EOF1 pattern of summer mean 850-hPa relative vorticity over the region (0°–60°N, 100°–160°E) for the period 1979–2016. (b) The corresponding normalized PC1 time series.

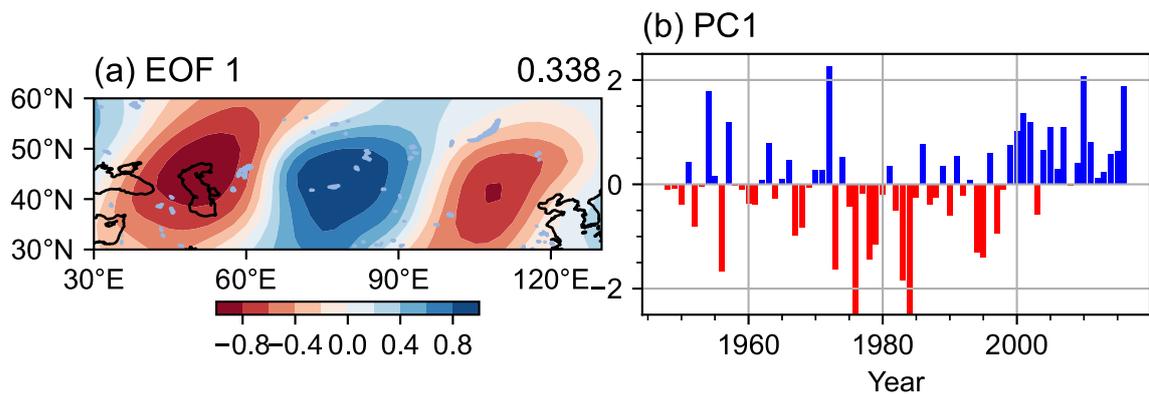


Fig. S2. (a) Definition of the SR teleconnection. The first leading EOF analysis result of the summer mean 200-hPa meridional wind velocity in July–August over area (30°–60°N, 30°–130°E) for the period 1979–2016. (b) The corresponding normalized PC time series (i.e., the PJ/EAP index).

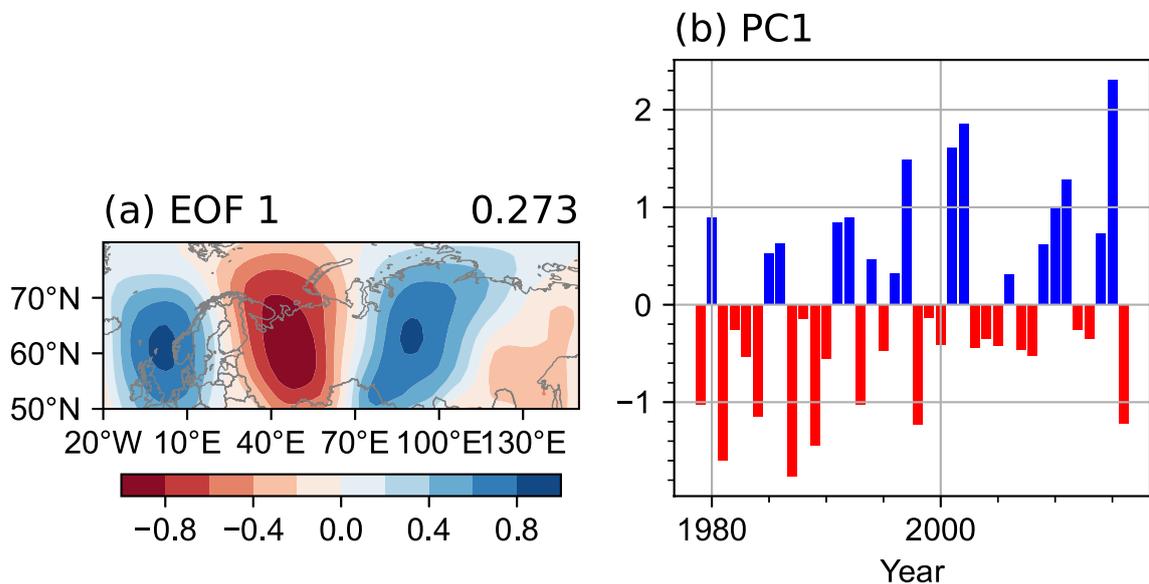


Fig. S3. Definitions of the BBC pattern and BBC index. (a) The first EOF of summer mean 250-hPa meridional wind over the region (50°–80°N, 20°W–150°E) for the period 1979–2016 (units: m s^{-1}). (b) The corresponding normalized PC time series.

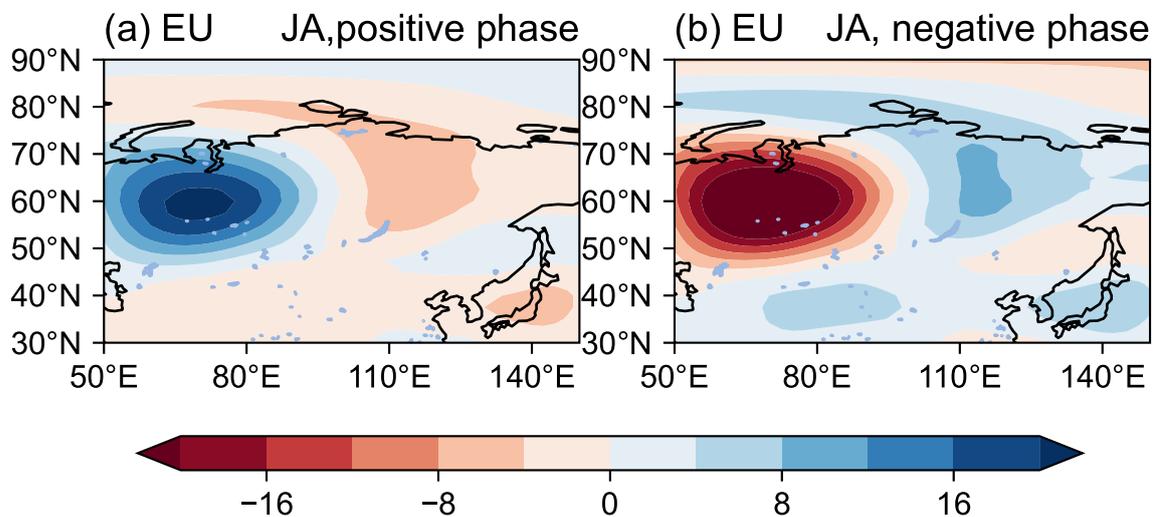


Fig. S4. The (a) positive and (b) negative phase of the EU pattern based on the definition of Wallace and Gutzler (1981). Maps show the composite 500-hPa geopotential height anomaly (units: gpm) in EU positive/negative years.