

Supplemental Figures

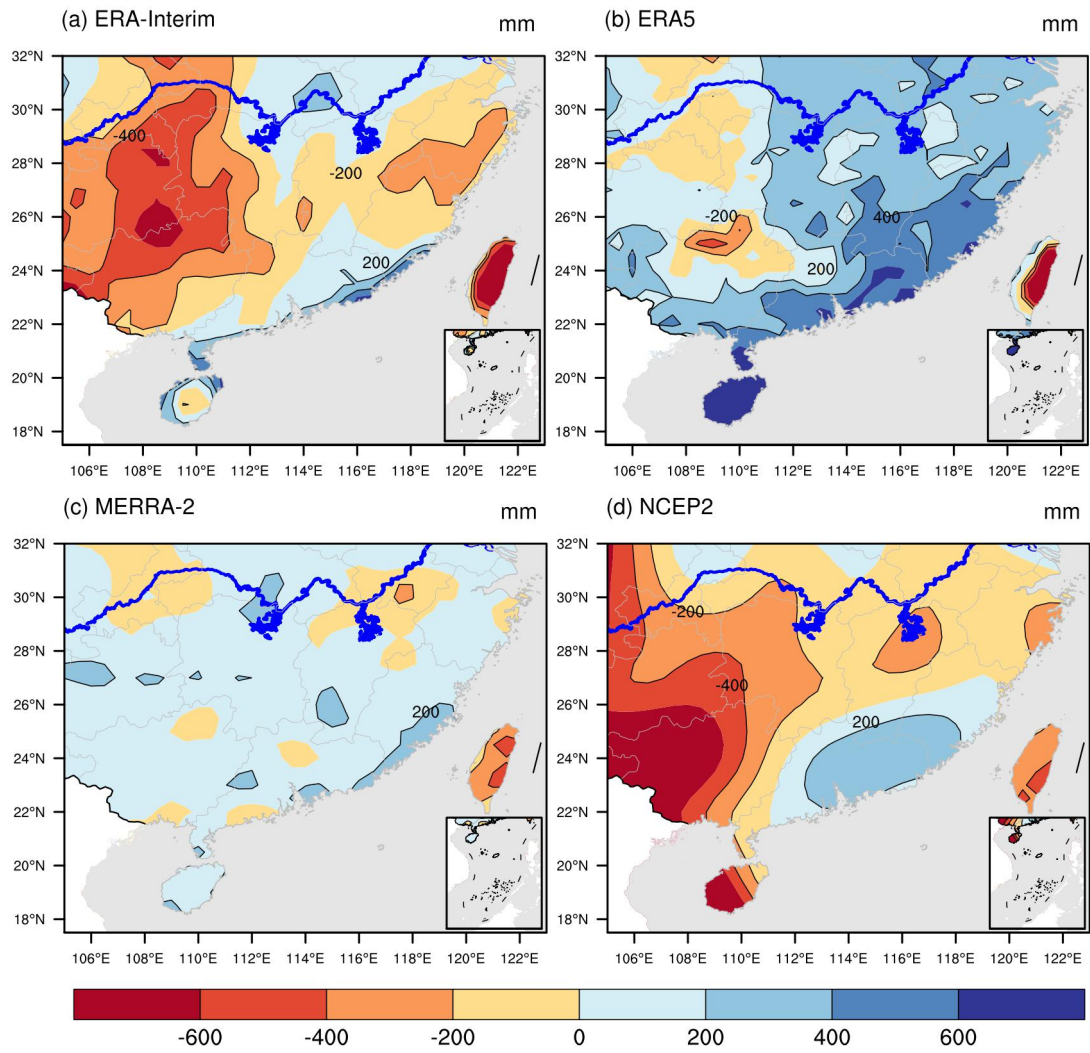


Fig. S1. Spatial distributions of the annual mean total precipitation from 1980 to 2018 in southern China (unit: mm). (a) ERA-Interim, (b) ERA5, (c) MERRA-2, and (d) NCEP2. (To compare the four reanalysis datasets and the observed data, the grid scale of them is converted to $0.5^{\circ} \times 0.5^{\circ}$ that is the median resolution of them using bilinear interpolation.)

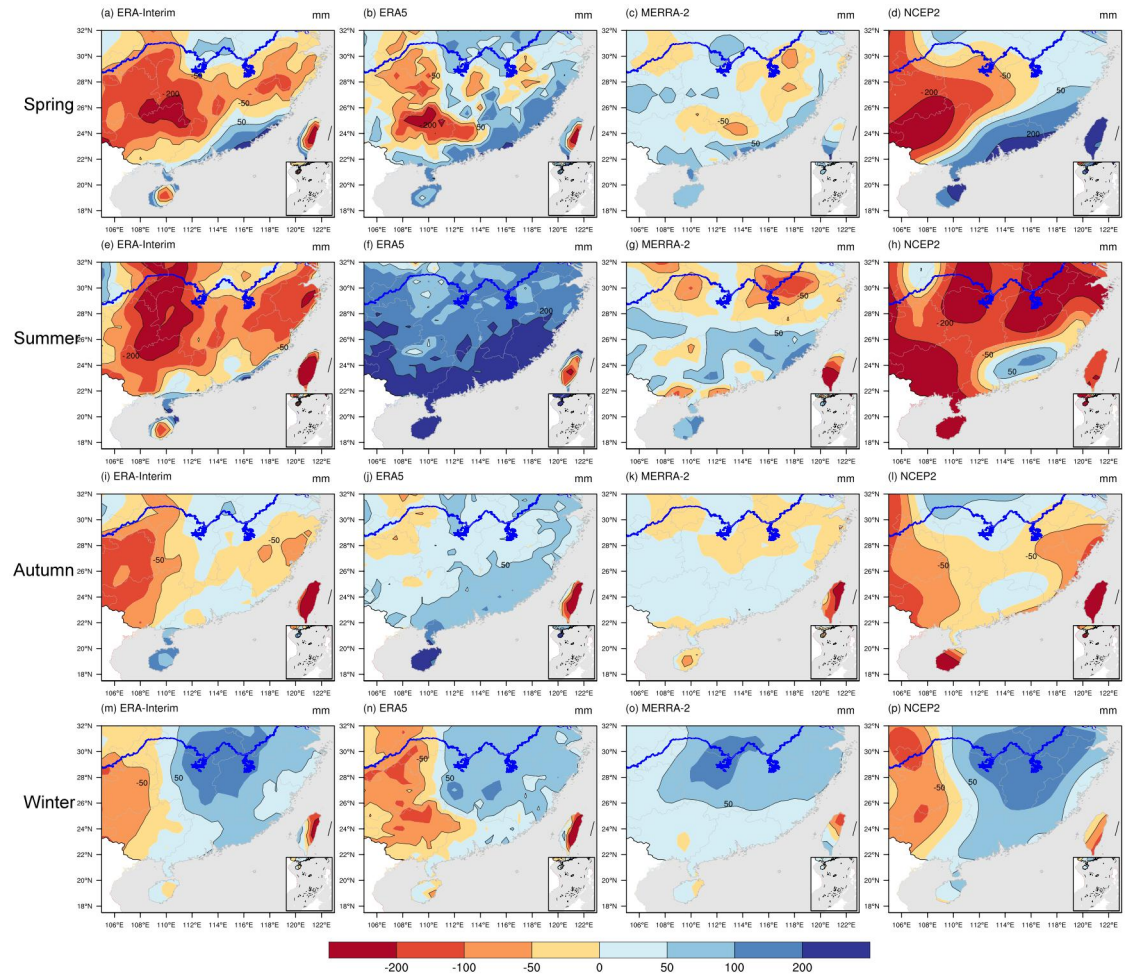


Fig. S2. Same as in Fig. S1 but for (a) to (d) spring, (e) to (h) summer, (i) to (l) autumn, and (m) to (p) winter.