



Fig. S1. The comparison of the seasonal number of frost days between EP El Niño winters and neutral winters (a, unit: day), and between CP El Niño winters and neutral winters (b, unit: day).

The stippled indicate the changes significant at the 10% level.





Fig. S2. The comparison of the seasonal extreme precipitation amounts between EP El Niño winters and neutral winters (a, unit: mm), and between CP El Niño winters and neutral winters (b, unit: mm).

The stippled indicate the changes significant at the 10% level.