Figure S1. Spatial distribution of 477 stations used in this study.
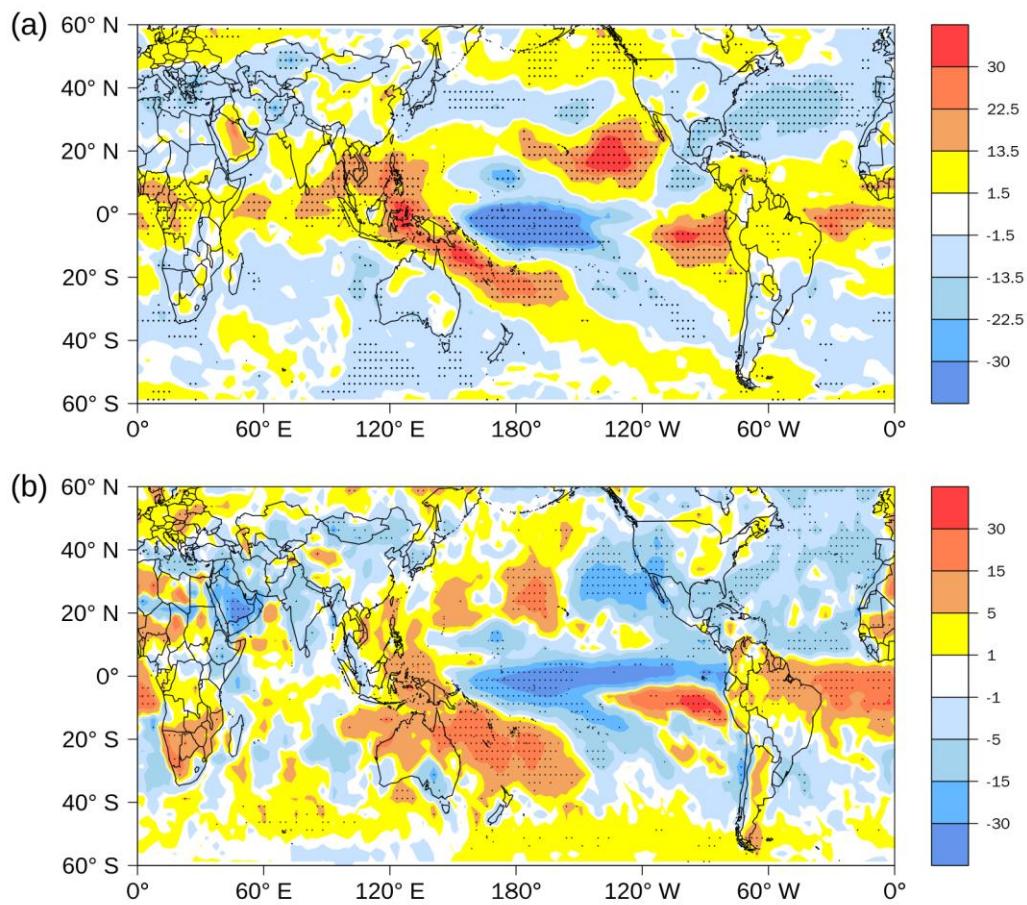
Figure S2. (a) Slope of linear regression between total cloud cover and -PDO (units: % std⁻¹) at individual grids from corrected ISCCP D2 data set (1983–2009). (b) Slope of linear regression between annual total precipitation and -PDO (units: % std⁻¹) at individual grids from GPCP pentad V2.2 (1983–2009). Dots indicate changes significant at the 95% confidence level.
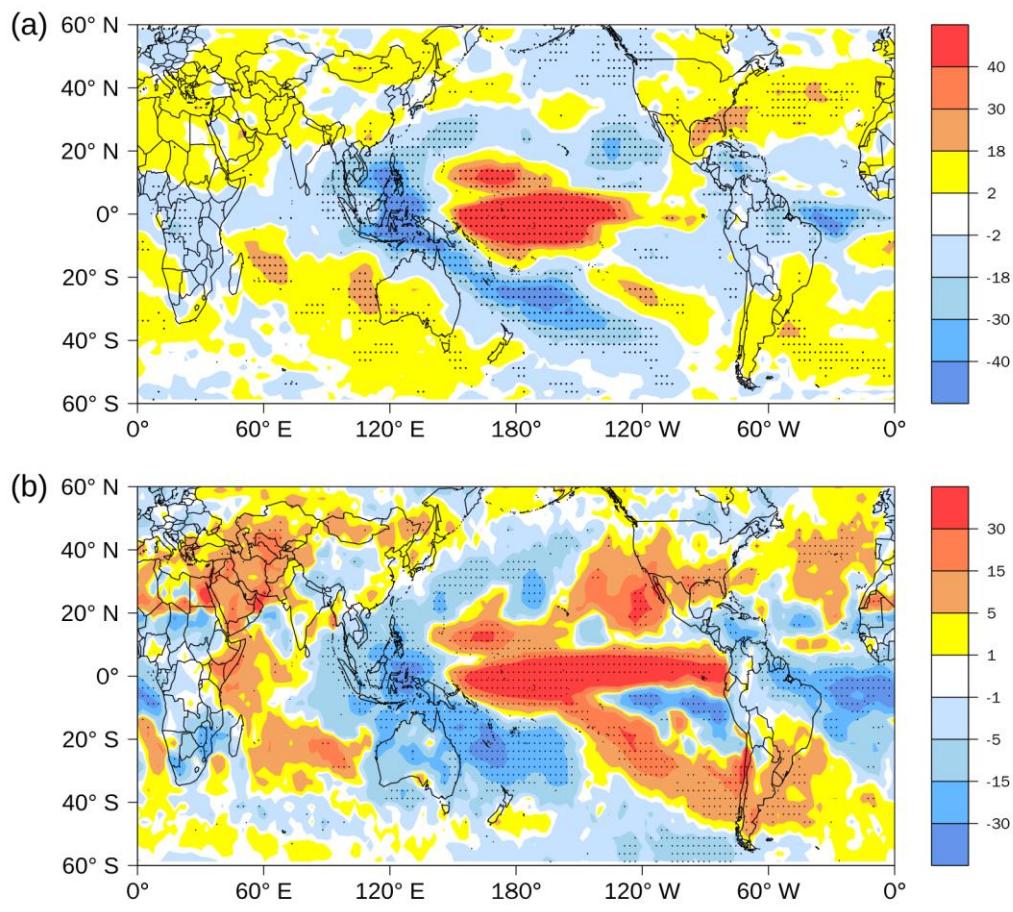
Figure S3. (a) Slope of linear regression between total cloud cover and Nino3.4 (units: % K⁻¹) at individual grids from corrected ISCCP D2 data set (1983–2009). (b) Slope of linear regression between annual total precipitation and Nino3.4 (units: % K⁻¹) at individual grids from GPCP pentad V2.2 (1983–2009). Dots indicate changes significant at the 95% confidence level.