**Supplementary Section**

1. **b)**

****

**c) **

**Fig. S1.** Precipitation (OND) and Niño3.4 correlation. Same as Fig. 1 a, b and c respectively, but CHIRPS data is used instead of ERA5 and the period considered is ‘1981-2021’ instead of ‘1948-2021’.

1. b)



 c) 

**Fig. S2.** Precipitation (OND) and IOD correlation. Same as Fig. 2 a, b and c respectively, but CHIRPS data is used instead of ERA5 and the period considered is ‘1981-2021’ instead of ‘1948-2021’.