



Supplement of

Evaluation of Asian summer precipitation in different configurations of a high-resolution general circulation model in a range of decision-relevant spatial scales

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Figure S1. Shows JJA CMORPH amount, frequency and intensity for full duration of timeseries (1998–2018) over Asia.



Figure S2. As Fig. S1, but for JJA 2006–2009.



Figure S3. As Fig. 5 in main paper, but for APHRODITE instead of CMORPH. Basin RMSE of each simulation compared to APHRODITE shown as a function of basin scale. Light blue shading shows the maximum spread for the three N1280 ensemble members. The basin name and median basin size are shown on the *x*-axis.



Figure S4. As Fig. 9 in main paper, but additionally showing N1280-HC. Amount, frequency and intensity of precipitation (columns) over China for CMORPH (top), N1280-PC (second row), N1280-HC (third row) and N1280-EC (bottom).



Figure S5. As Fig. 10 in main paper, but additionally showing N1280-HC. Diurnal cycle of amount, frequency and precipitation over southeastern China. Layout as in Fig. S4.