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Supplement of

Snowfall distribution and its response to the Arctic Oscillation: an evaluation of HighResMIP models in the Arctic using CPR/CloudSat observations

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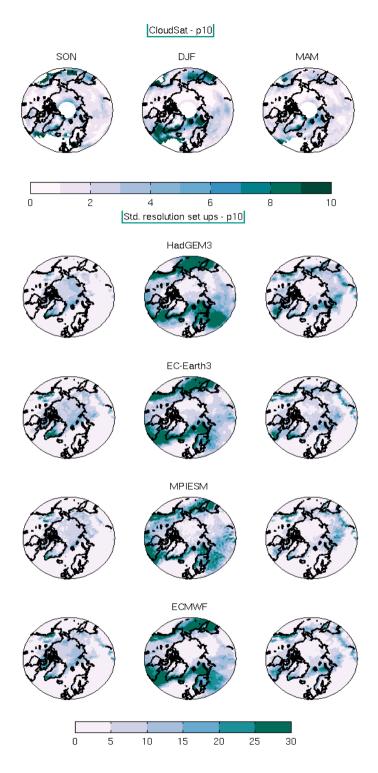


Figure S1. 10-percentile thresholds of monthly snowfall accumulations (mm/month) for the SON, DJF and MAM months in the 3 columns respectively. The top row shows the CloudSat observations and the other four rows below show snowfall from the Low-Res (or Std-Res) setups of HadGEM3, EC-Earth3, MPIESM and ECMWF respectively.

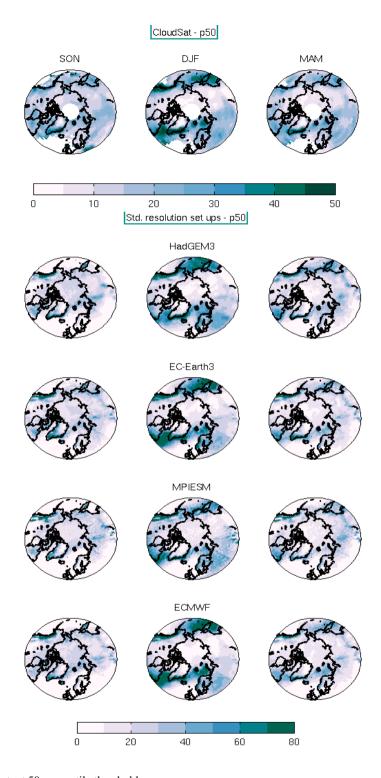


Figure S2. Same as Fig. S1, but, at 50-percentile threshold.

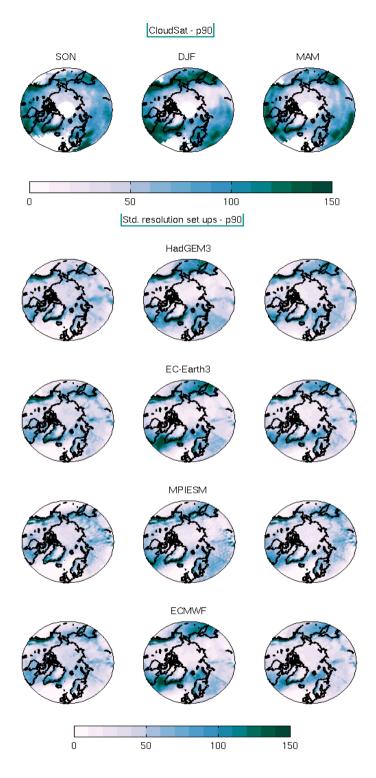


Figure S3. Same as Fig. S1, but, at 90-percentile threshold.

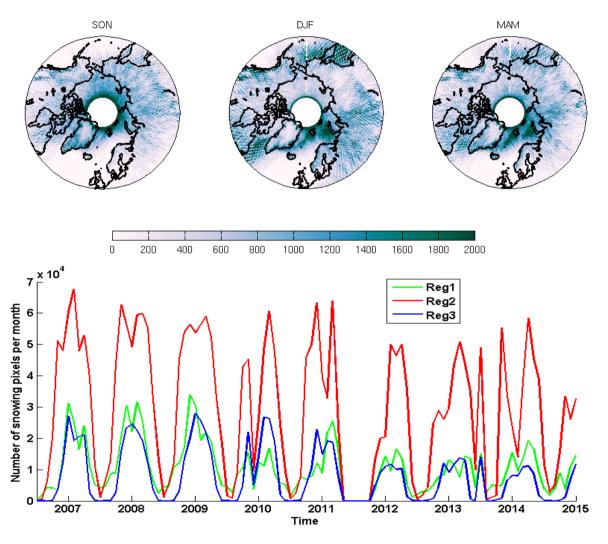


Figure S4. (top)Spatial distribution of the total number of snowfall pixels accumulated for each season; (bottom) Time series of the number of snowing pixels per month for the three regions defined in Fig. 5.