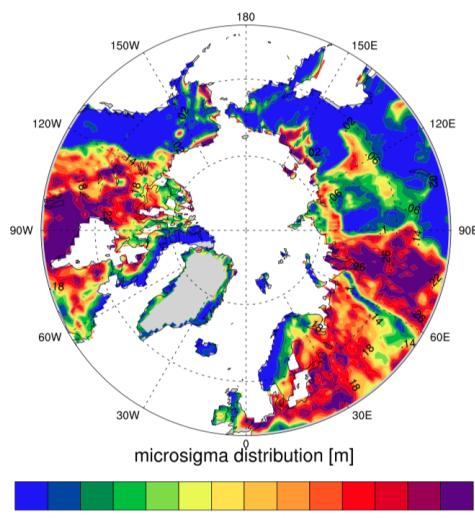


1 **Supplementary**

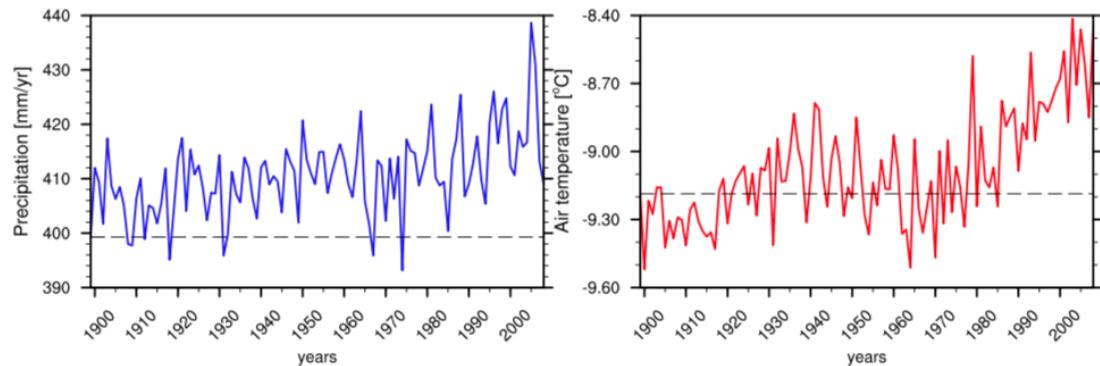
2



3

4 Fig. S1: High latitude ($>50^{\circ}\text{N}$) map of default microsigma distribution.

5



6

7 Fig. S2: Timeseries of high latitude ($>50^{\circ}\text{N}$ average -land only) CRUNCEP precipitation
8 and air temperature forcing for the period 1900-2010. Dotted lines show 1900 value.
9