



Figure S1 a) Two Casella tipping bucket rain gauges (green) and Snowdon MkII accumulation gauge (copper-color) at the University of Birmingham (UK) Winterbourne II climate station, and b) an OTT-Hydromet Pluvio2 200 weighing gauge with a heated rim, an inner Tretykov shield and an outer alter fence during the GPM Cold-season Precipitation Experiment (GCPEX) in Canada.