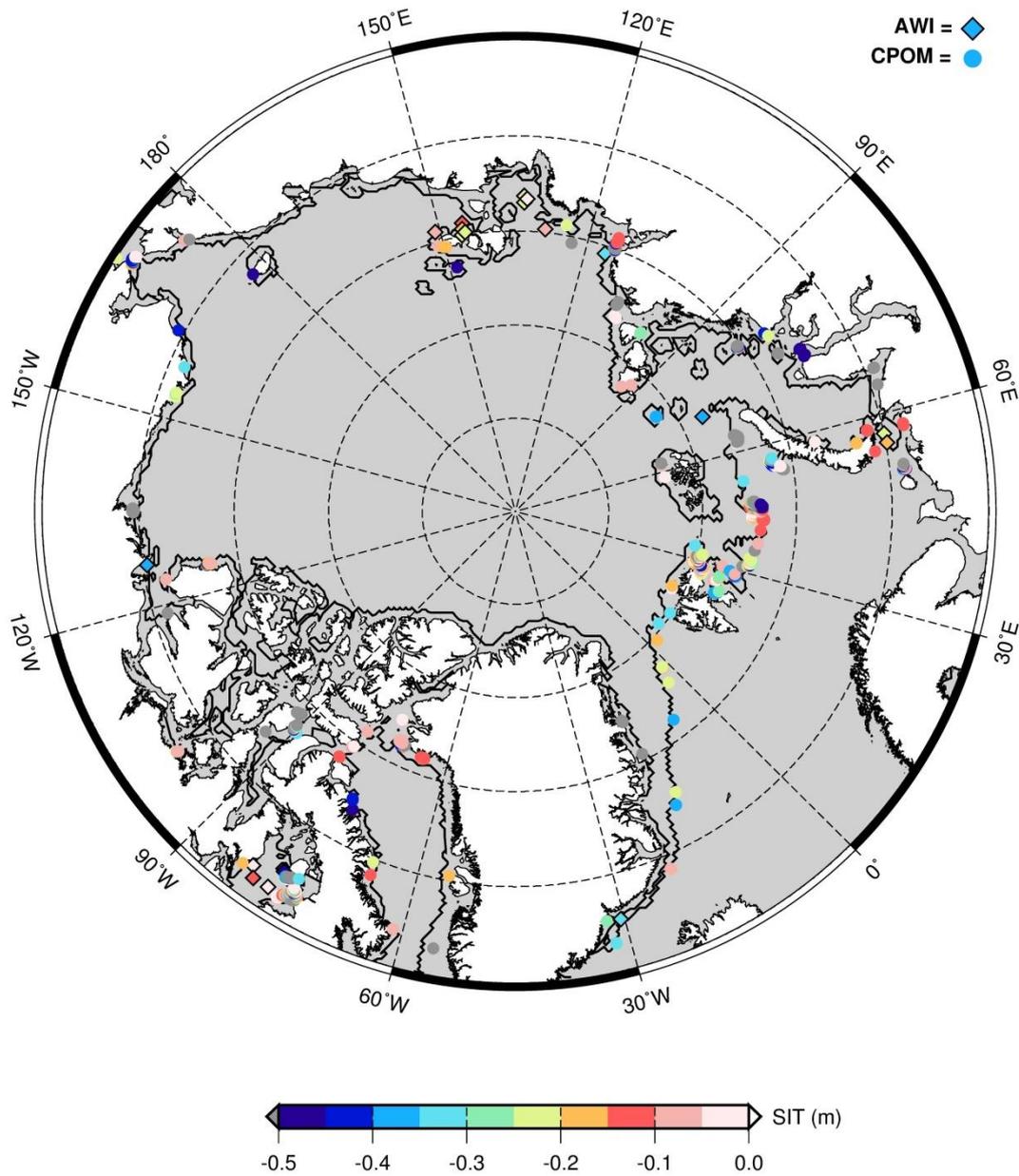


**Figure S1: Histograms of seasonally-averaged sea ice thickness, where the reference data set (CPOM) is subtracted from each product, for (a) October–November, and (b) March–April, in the central Arctic (regions 1–6), for the period 2011–2017, subject to data availability (Table 1).**



5 **Figure S2: Locations of negative sea ice thickness values in the CPOM (circles) and AWI (diamonds with black outline) data products, for March–April 2014 (CPOM) and April 2014 (AWI). A contour representing the 70 % ice concentration level is also shown (thick black line).**