



Fig S1: Depth-averaged conductivity anomaly (relative to annual mean) for each of the four seasons. The full range in the data are, respectively, -0.660 — 0.556 (S/m), -0.471 — 0.317 (S/m), -0.511 — 0.721 (S/m), -0.502 — 0.594 (S/m).