Time series of potential temperature at (a) 477 m, (b) 634 m, and (c) 909 m for unoptimized (iteration 0) and iteration 20 solutions. Time series of observed potential temperature at BSR5/iSTAR9 mooring cites at depths between (a) 400-500 m, (b) 600-700 m, and (c) 800-900 m are also shown in black. Time series of (d) spatially averaged (102.4-104.0°W, 74.8-75.0°S) sea ice concentration for unoptimized (iteration 0), iteration 20, and observations.