FIG. 6. Simulations of stable and unstable manifolds using the observationally-based model of the Adriatic Sea for two values of the perturbation strength: $\epsilon = 0.1$ in the left panels and $\epsilon = 1$ in the right panels. (Upper panels) FTLE estimates computed in forward time relative to $t = 182$ days. Ridges of intense red correspond to stable manifolds. (Middle panels) FTLE estimates computed in backward time relative to $t = 182$ days. Ridges of intense red correspond to unstable manifolds. (Lower panels) Stable (blue and light blue curves) and unstable (red and pink curves) manifolds computed using the direct manifold integration method relative to $t = 182$ days. Note that stable and unstable manifolds computed using FTLEs and the direct manifold integration method are in excellent agreement.