



Comparative study of Benguela and Canary upwelling systems with finite size Lyapunov exponents

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We present a comparative study of the mixing properties of the Benguela and Canary upwelling areas. From satellite data of the surface velocity field we measure the horizontal mixing activity by computing the finite size Lyapunov exponents (FSLE). We discuss analogies and differences between the two systems and provide, by computing averages of the FSLE, a geographical subdivision of both areas according to the value of their activity.