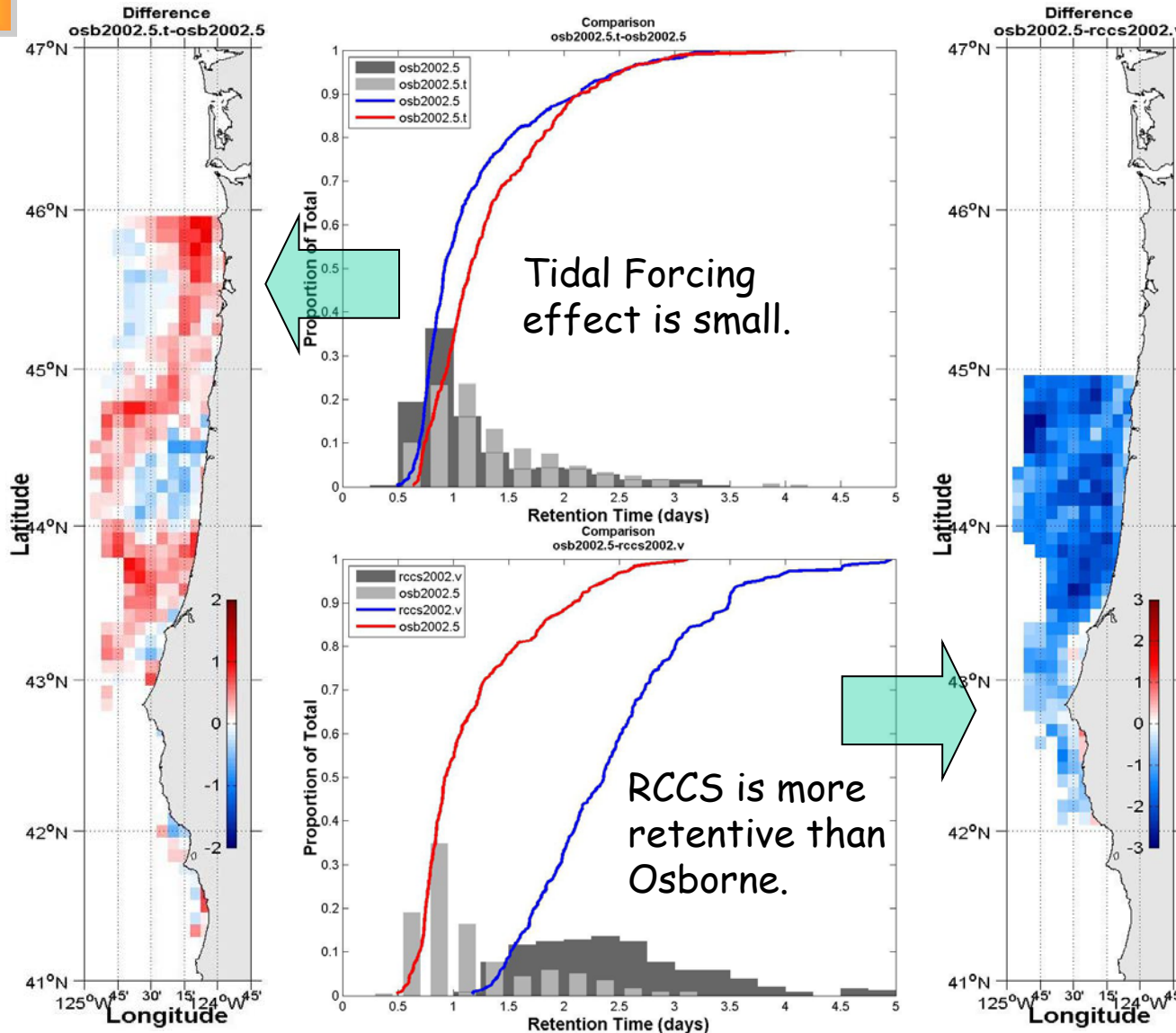


Effect of tides on local residence time is less than the effect of model or different forcing (at least for OR).



Local residence time (LRT) is described from 100K particles released at 5 m depth weekly for 20 consecutive weeks during spr-sum 2002. Time for 63% of particles to move > 10 km from release site determines LRT.

Upper/Left panels show effects of tides in 2002 (Osb model w/ and w/o tides (t)).

Lower/Right panels compares two non-tidal 1 km ROMS models of 2002, but with slightly different forcing & configuration (RCCS and Osb).

Center panels show histograms and cumulative distributions of two compared simulations. Maps show time-avg mean spatial LRT differences between 2 simulations.

(Courtesy of H. Batchelder)

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