

Interactive comment on “Upper layer current variability in the Central Ligurian Sea” by P. Picco et al.

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The new version takes into consideration all the suggested improvements such as a more clear reference to table and figures; it includes new figures, references and comparison of the results with other data sources. Information on used instruments and the period of measurements, as resumed in the reported table, are more carefully addressed. Thus the paper is now better organized. Specific comments: 1) The introduction is revised explaining the existing link between this paper and the LASIE experiment and references to the project are provided. 2) In order to better described the dynamic of the region Section 3 now includes satellite SST images and CTD profiles taken during the experiment and new references are added in the introduction. 3) The method (singular values decomposition) used to compute the EOF as well as

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the temporal series of coefficients are now reported in this section. Temporal evolution of each mode currents at surface is also described in fig.8 reporting the progressive vectors. 4) We conclude that vertical velocities are well correlated from the high value of correlation coefficients. All the minor comments are accommodated.

Interactive comment on Ocean Sci. Discuss., 7, 445, 2010.

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