

Interactive comment on “Eddy measurements, coastal turbulence and statistics in the gulf of Lions” by J. M. Redondo et al.

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General observations

Very interesting application of the SAR detection techniques to investigate turbulence at the surface of ocean. Detection and statistics of vortices shows the potentially very large usefulness of the technique.

Specific remarks

The discussion is qualitative for most of the paper. Quantitative informations stem from a few figures (say 5, 6, 7), which should be discussed in more detail. The seasonal dependence of the size is not documented.

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The only quantitative result is the empirical law Eq. 5, that turns out to be quite poor with respect to the potentiality of the technique.

The diffusivity estimates could be interesting, but nothing appears in this paper.

Conclusion

My opinion is that at the present state this paper is a good qualitative introduction to a very interesting technique. The discussion (sect. 5) shall be reduced to a few basic statements and references; the statistical observations can be enriched by some seasonality considerations.

Please also note the supplement to this comment:

<http://www.ocean-sci-discuss.net/10/C17/2013/osd-10-C17-2013-supplement.pdf>

Interactive comment on Ocean Sci. Discuss., 10, 55, 2013.

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