

## ***Interactive comment on “Wind increase above warm Agulhas Current eddies” by M. Rouault et al.***

### **Anonymous Referee #2**

Received and published: 21 November 2014

This paper gives a description of the modification of the wind speed above warm Agulhas current eddies, using satellite measurements. Using satellite measurements to study the modification of the marine boundary layer above eddies is not new; Frenger, I., N. Gruber, R. Knutti, and M. Munnich (2013), Imprint of Southern Ocean eddies on winds, clouds and rainfall, *Nature Geosci*, 6(8), 608-612, doi:10.1038/ngeo1863), made an extensive study of it (see also Chelton, D. (2013), Ocean-atmosphere coupling: Mesoscale eddy effects, *Nature Geosci*, 6(8), 594-595, doi:10.1038/ngeo1906), distinguishing cyclonic and anticyclonic eddies and providing schematics of the spatial variations relative to the structure of the eddies. In the present paper, these studies are ignored and the paper remains very descriptive. Hence, this paper should not be published in its present form. The authors should first identify the original findings of this new study with respect to the previous ones. The writing is sometimes unclear (see below a few examples: Page 2371: ‘Apart from Agulhas a ring’ what does it mean?;

C1061

Page 2374: ‘we show in Fig. 4 shows’. Figure 2 : please indicate units below the color bar

---

Interactive comment on Ocean Sci. Discuss., 11, 2367, 2014.