



*Journal of Geophysical Research: Oceans*

Supporting Information for

## **Modeling the wake of the Marquesas archipelago**

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### **Contents of this file**

Animation S1

### **Additional Supporting Information (Files uploaded separately)**

Captions for Movie S1

### **Introduction**

This supporting information provides an animation of the relative vorticity in the Marquesas archipelago over the same period than Figure 8.

**Movie S1.** Relative vorticity at 10 m (units are in  $s^{-1}$ ) from June 18 to July 28 of year 9. The detected eddies are represented by green contours (Nencioli et al. [2010] based algorithm).