

***Interactive comment on* “Transformation of an Agulhas eddy near the continental slope” by S. Baker-Yeboah et al.**

S. Baker-Yeboah et al.

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Thanks for your comments and suggestions on the manuscript: Journal: OS Title: Transformation of an Agulhas eddy near the continental slope Author(s): SBY Baker-Yeboah et al. MS No.: os-2009-50 Special Issue: Deep ocean exchange with the shelf.

They are very useful and I have added those references on the filaments.

→ Point on (phrase change) change "South Africa" to "southern Africa" —OK (except for "Cape Town, South Africa") change "in the Cape Basin" to "off Cape Town, South Africa" —too limiting, yes; change not made

→Point 1: typos p1820, l20: “to understanding” => “to understand”. —OK; Also changed —————Improved understanding ==> Improved knowledge’ p1820,

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l15: "the Walvis Bay" => "Walvis Bay" —OK p1821, l26: "caries" => "carries" —OK; correction made

—>Point 2: comments on references p.1824 , lines 3 and 4 —OK —included that reference. Lutjeharms et al [1991]. —Added the second reference (de Steur et al., 2004) in sentence on line 4.

————old version "1.2 m/sec and suggest an association with the local wind forcing. Filaments are known to form in association with the elongation of an Agulhas ring and indicate tracer leakage (de Steur et al., 2004). Such filaments can extend"

————new version "1.2 m/sec and suggest an association with the local wind forcing. Lutjeharms et al (1991) observed a long 770~km filament that extended from the shelf in association with an Agulhas eddy near the Luderitz upwelling cell. Filaments are known to form in association with the elongation of an Agulhas ring and indicate tracer leakage (de Steur et al., 2004 and Whittle et al., 2008). Such filaments can extend ..."

—>Point 3: change reference "Steur" to "de Steur" —OK

Many thanks, Sheekela

Interactive comment on Ocean Sci. Discuss., 6, 1819, 2009.

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