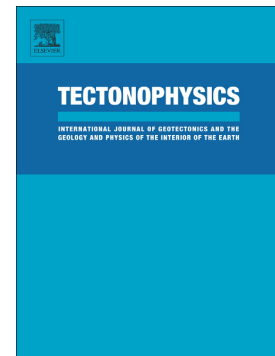


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Deformation behavior of continental crust during subduction and exhumation: Strain distribution over the Tenda massif (Alpine Corsica, France)

Alexandre Beaudoin, Romain Augier, Laurent Jolivet, Anthony Jourdon, Hugues Raimbourg, Stéphane Scaillet, Giovanni Luca Cardello



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4 Alexandre Beaudoin<sup>a,b,c,\*</sup>, Romain Augier<sup>a,b,c</sup>, Laurent Jolivet<sup>a,b,c</sup>, Anthony Jourdon<sup>d</sup>, Hugues  
5 Raimbourg<sup>a,b,c</sup>, Stéphane Scaillet<sup>a,b,c</sup>, Giovanni Luca Cardello<sup>e</sup>.

6

7 <sup>a</sup>Université d'Orléans, ISTO, UMR 7327, 45071, Orléans, France

8 <sup>b</sup>CNRS/INSU, ISTO, UMR 7327, 45071, Orléans, France

9 <sup>c</sup>BRGM, ISTO, UMR 7327, 45060, Orléans, France

10 <sup>d</sup>Géoazur, UMR 7329, 06560, Valbonne, France

11 <sup>e</sup>Section des sciences de la Terre et de l'environnement, Université de Genève

12

13 \*Corresponding author: Alexandre Beaudoin, ISTO, 1A rue de la Férollerie, 45071, Orléans,  
14 France (e-mail: [alexandre.beaudoin@univ-orleans.fr](mailto:alexandre.beaudoin@univ-orleans.fr); Tel: +33 2 38 49 25 73)

15

16 Abstract

17

18 In order to address the question of strain localization within continental units during  
19 subduction and exhumation, a large-scale portion of an exhumed continental crust was  
20 structurally revisited. The Tenda massif (Alpine Corsica) has recorded burial (D<sub>1</sub>; top-to-the-  
21 SW kinematics) down to blueschist-facies conditions followed by exhumation (D<sub>2</sub>; top-to-the-  
22 NE kinematics). It was so far regarded as a quite rigid unit with strain localization at the upper  
23 contact with the overlying oceanic material, the East Tenda Shear Zone (ETSZ), where  
24 previous studies were focused. A structural analysis carried out from the core to the  
25 boundaries of this continental unit shows instead that deformation is pervasive in the whole

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