Supplementary Material

Effects of plate velocity slowdown on altering continental collision patterns and crustal-lithospheric deformation during collision process

Mengxue Liu[a], Dinghui Yang[a,*], Pengpeng Huangfu[b]

[a] *Department of Mathematical Sciences, Tsinghua University, Beijing 100084, China.*

[b] *Key Laboratory of Computational Geodynamics, College of Earth and Planetary Sciences, University of Chinese Academy of Sciences, Beijing 100049, China*

Contents of this file

Introduction

Figures S1, S2 show the evolution of viscosity fields if models listed in Table 1 and Figure 8.

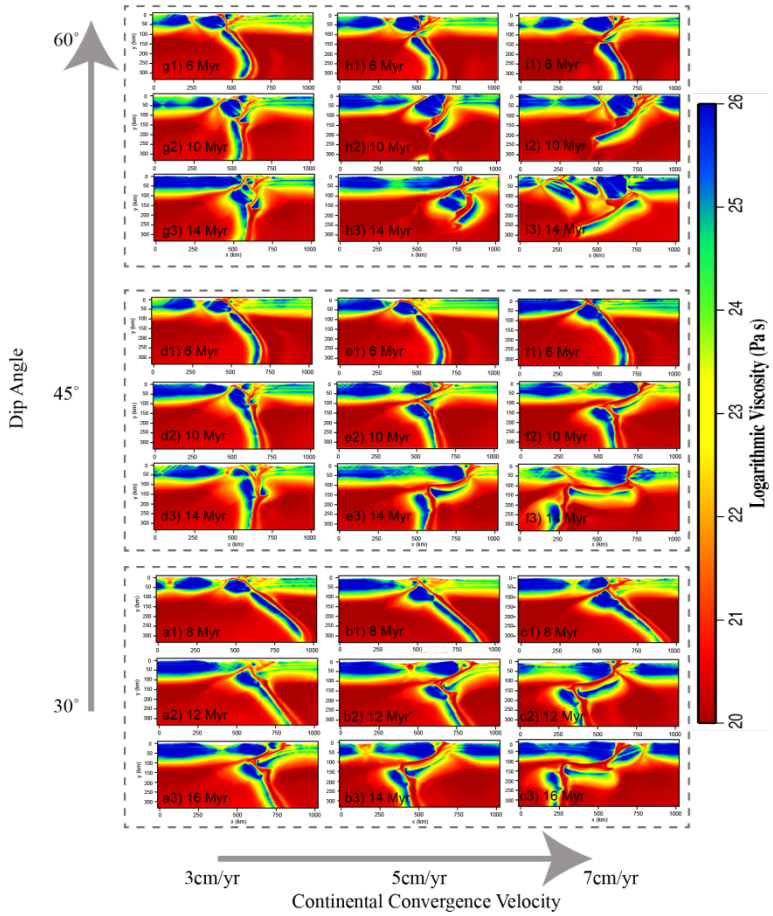

Figure S1. Viscosity fields of models in VDS with variable subducting angle (30˚, 45˚, 60˚) and continental convergence velocity (3cm/yr, 5cm/yr, 7cm/yr) correspond to Figure 8.

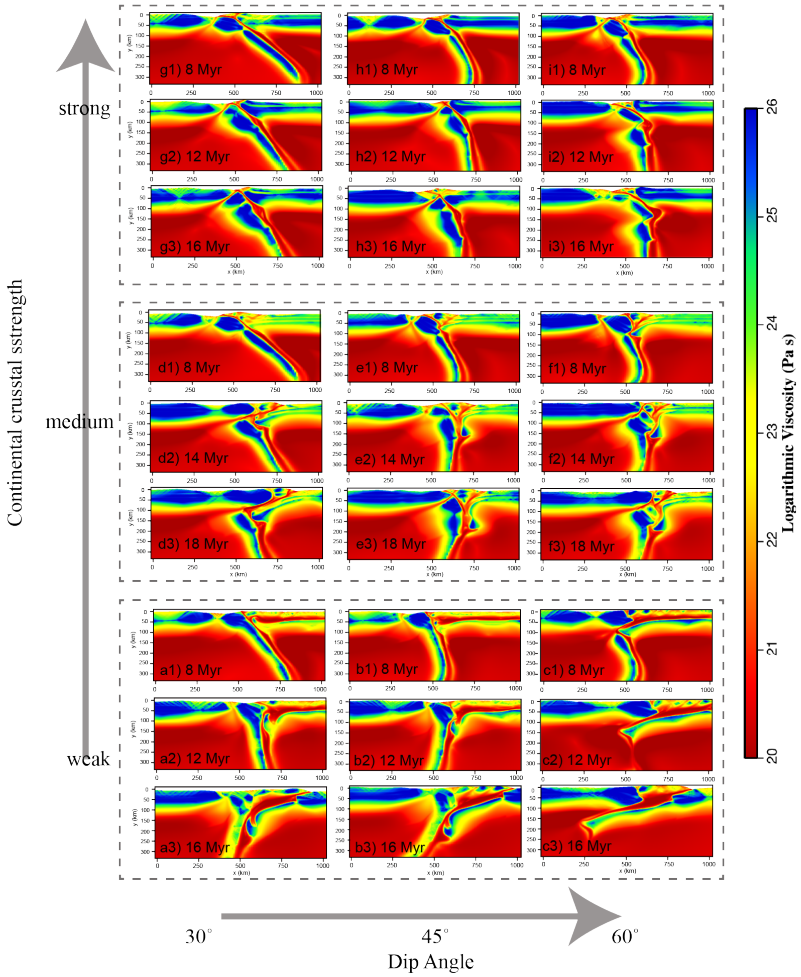

Figure S2. Viscosity fields of models in VDS with variable retrocontinental lower crustal strength (weak, medium, strong) and dip angle (30˚, 45˚, 60˚) correspond to Figure 8.