

Roles of continental mid-lithosphere discontinuity in the craton instability under variable tectonic regimes

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1. Datasets of the numerical models as shown in manuscript and supporting information

Model-1-Reference-wet-olivine.zip

Model-2-Reference-antigorite.zip

Model-3-Extension-wet-olivine.zip

Model-4-Extension-antigorite.zip

Model-5-Compression-wet-olivine.zip

Model-6-Compression-antigorite.zip

Model-7-MantleFlow-wet-olivine.zip

Model-8-MantleFlow-antigorite.zip

Model-9-MantlePlume-wet-olivine-T400D200.zip

Model-10-MantlePlume-antigorite-T400D200.zip

Model-11-MantlePlume-antigorite-T400D100.zip

Model-12-MantlePlume-depleted-antigoriteT400D200.zip

Model-13-MantlePlume-depleted-antigoriteT400D300.zip

Models-Variable-MantlePlume-fertile-wet-olivine.zip

Models-Variable-MantlePlume-fertile-antigorite.zip

Models-Variable-MantlePlume-depleted-antigorite.zip

2. Dataset of the nature of the MLD in Figure 1

Dataset-MLD.zip

3. Database of the water capacity of mantle rock and shear-wave velocity (V_s) in

Figure S1, Figure S2

Database-WaterCapacity.zip

Database-Vs.zip