

Revision 1

Kinetics of antigorite dehydration: a trigger for lower-plane seismicity in subduction zones

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Table S1 Chemical composition of the antigorite sample determined by EPMA

Oxide	wt %	Cation	Numbers of ions
SiO ₂	43.04±0.60	Si	2.03±0.03
TiO ₂	0.01±0.01	Ti	0.00±0.00
Al ₂ O ₃	1.03±0.44	Al	0.06±0.02
FeO	2.39±0.28	Fe ²⁺	0.09±0.01
MnO	0.06±0.01	Mn	0.00±0.00
MgO	39.14±0.44	Mg	2.75±0.03
CaO	0.02±0.01	Ca	0.0±0.00
NiO	0.06±0.03	Ni	0.0±0.00
Total	85.75±0.51		

5-6 grains are determined