

Datasets, Methods and Codes

Dataset 1: a. Lithium isotopic composition and concentration of samples
b: Lithium isotopic composition (and concentration) of standards

Dataset 2: a: Amphibole major-element composition
b: Amphibole Li concentrations

Dataset 3: a: Partition coefficient calculated using calcic amphibole
b: Partition coefficient calculated using calcic amphibole and excluding all chlorite and phengite
c: Partition coefficient calculated using calcic amphibole in equilibrium with chlorite
d: Partition coefficient calculated using glaucophane

Method 1: Li partitioning calculation description

MATLAB code 1: Finite difference advection-diffusion model code

MATLAB code 2: Monte Carlo model code

Related publication

Hoover, W., Penniston-Dorland, S., Teng, F.-Z., submitted 2025, Short-lived subduction interface fluid transport at the depths of episodic tremor and slip. AGU Advances.