Grain size [µm]

10000 1000 100

Temperature [K]

1022 1023 1024 1025

Viscosity [Pa s]

Depth [km]

0 500 1000 1500 2000 2500

1D profiles

Increasing temperature with time

Slightly decreasing temperature with time

Increasing grain size with time

Slightly increasing grain size with time

Slightly decreasing viscosity with time

Slightly increasing viscosity with time

Slightly increasing grain size with time

Slightly decreasing temperature with time

Gyr

0.5 1.5 2.5 3.5 4.5

Outside pile

Inside pile