

Simulation without basal fluid source, performed with initial stress defined as $\sigma_1 = \sigma_3$, a fault permeability equal to 10^9 m^2 , and $\Lambda=0.7 \text{ MPa/}^\circ\text{C}$.

Data in Folder “q0_0”:

- **Mean_shearStress**: tangential stress “ τ ” (Pa) fluctuation at 12.75 km depth on the fault during the seismic cycle.
- **velocity**: fault velocity “ V_f ” (m/s) fluctuation at 12.75 km depth on the fault during the seismic cycle
- **Anomaly_temperature**: Thermal anomalies ($^\circ\text{C}$) fluctuation at 12.75 km depth on the fault during the seismic cycle
- **Pore_fluid**: Pore-fluid factor (λ) fluctuation at 12.75 km depth on the fault during the seismic cycle
- **Apparent_friction**: apparent friction coefficient fluctuation at 12.75 km depth on the fault during the seismic cycle
- **mean_slip**: mean slip along the fault during the seismic cycles.
- **Time2**: Time variable (yrs) for **Mean_shearStress**, **velocity**, **Anomaly_temperature**, **Pore_fluid**, **Apparent_friction** and **Mean_slip** data. Data was printed every 0.1 second during the coseismic period, and every 1 year during the interseismic period.

- **q0_0.mp4** : video file showing the pore-fluid factor (λ) in the crust during an earthquake. Video used to create Figure 6 in the article.
