Simulation with a basal fluid source **(0.15x10^{-9} m/s)**, performed with an initial stress defined as $\boldsymbol{\sigma_1} = \boldsymbol{\sigma_3}$, a fault permeability equal to **10^9 m^2,** and Λ=0.7 MPa/°C.

Data in Folder "q0_0.15":

- **Fault_velocity**: fault velocity "Vf" (m/s) fluctuation along the fault during an earthquake. *(Data used for Figure 6.a)*
- **Thermal:** Thermal anomalies (°C) fluctuation along the fault during an earthquake.
- **Time**: Time variable (yrs). Data was printed every 0.1 second during the coseismic period, and every 1 year during the interseismic period. *(For this database, the time 0 is the onset of the earthquake. A single earthquake is shown in this database)*
- **Depth:** Depth of the fault nodes (km).

- **Mean_shearStress**: tangential stress "τ" (Pa) fluctuation at 12.75 km depth on the fault during the seismic cycle.
- **velocity**: fault velocity "Vf" (m/s) fluctuation at 12.75 km depth on the fault during the seismic cycle
- **Anomaly_temperature**: Thermal anomalies (°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.