Dry Simulation

”Dry” simulation by setting the fluid pressure source to zero (**S_0 =0**) and by constraining the permeability to a uniformly high value to avoid any fluid overpressure (i.e., fluid pressure remains hydrostatic throughout the simulation). This simulation was performed with an initial stress defined as $\boldsymbol{\sigma_1 = 3\,\sigma_3}$.

Data in Folder “Dry Simulation”:

- **Shear_stress**: tangential stress “τ” (Pa) fluctuation along the fault during the seismic cycles.
- **Fault_velocity**: fault velocity “Vf” (m/s) fluctuation along the fault during the seismic cycles.
- **Slip**: slip (m) along the fault during the seismic cycles.
- **Time**: Time variable (yrs). Data was printed every 1 second during the coseismic period, and every 1 year during the interseismic period.
- **Fault_depth**: Depth of the fault nodes (m).