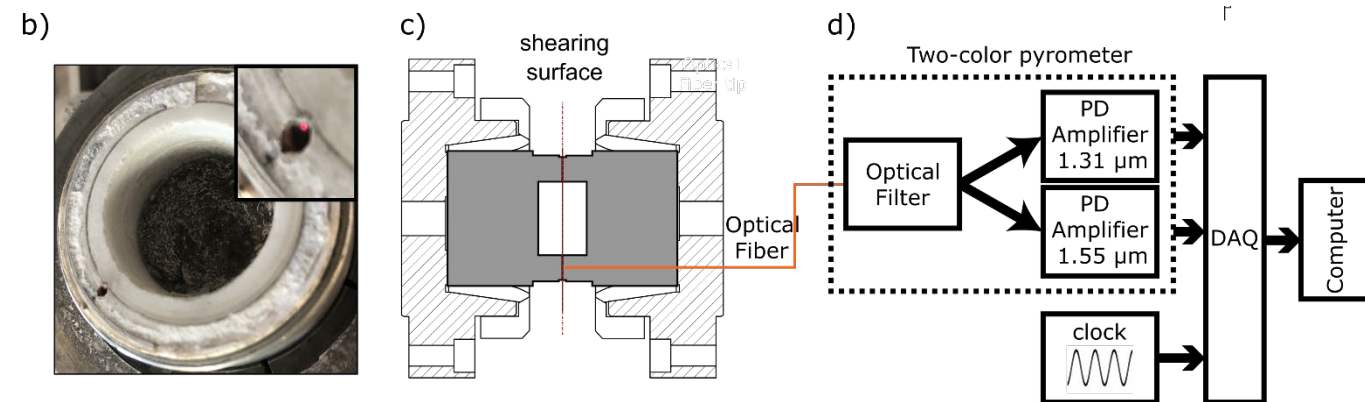
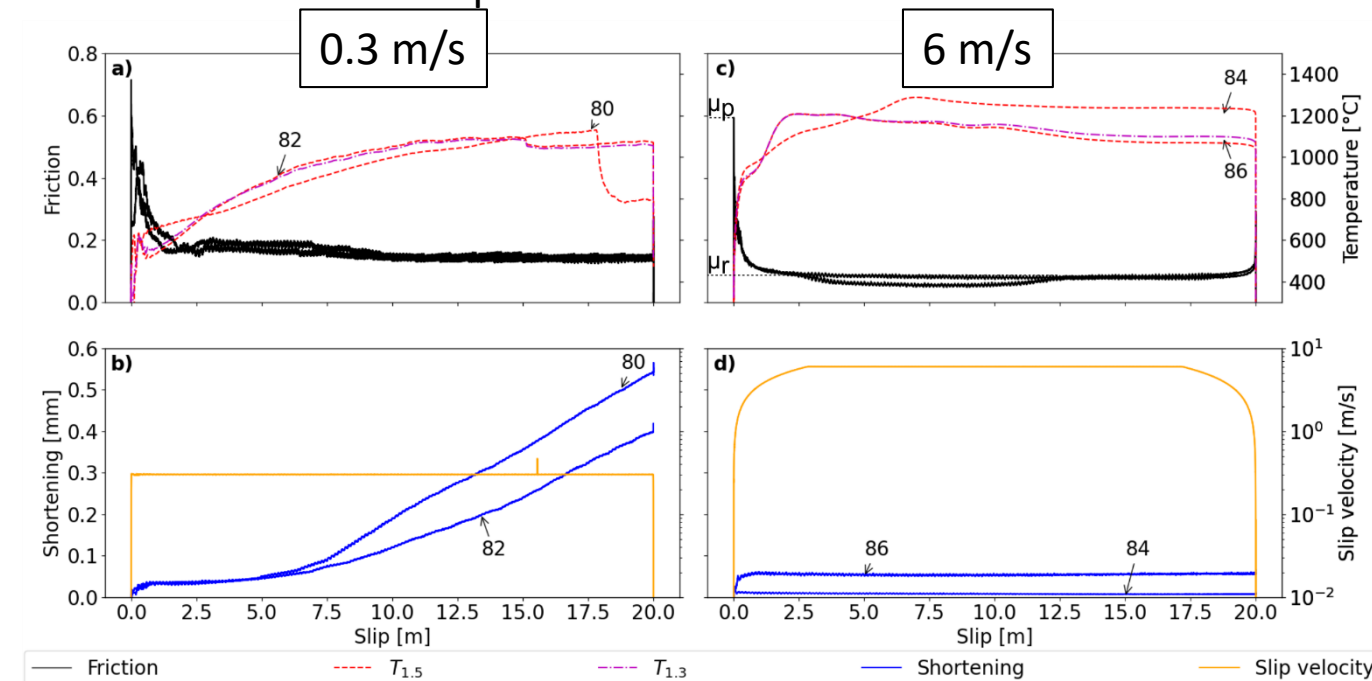


1. Rotary friction experiments + pyrometer



1. Independent measure of stress and temperature at seismic velocity.
2. First time: T measurements at space ($\sim 40 \mu\text{m}$) and time resolution (0.001 s) of earthquake slip.
3. Carrara calcite marble, dry
4. $\sigma_n = 20 \text{ MPa}$, $V = 0.3$ and 6 m/s , $d = 20 \text{ m}$.
5. Temperature $\sim 1000\text{-}1200 \text{ }^\circ\text{C}$.
6. T compatible with GBS viscous creep (at $d > 1 \text{ m}$)
7. \sim all work dissipated as heat in our experiments

2. Carrara Marble temperature and stress measurements



3. Discussion

