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The excel file contains experimental data for the paper. In particular:

Figure 1. Schematic diagram of local instrumentation.

Figure 2. Typical axial and shear stress cycles, 90^0 degrees out of phase.

Figure 3. Permanent axial strain accumulation during undrained cyclic shear stress increases for Materials A-D (7%-24% clay).

Figure 4. Residual pore pressure changes during undrained cyclic shear stress increases for Materials A-D (7%-24% clay).

Figure 5. Excess pore pressure ratio as a function of the logarithm of axial strain for Materials A-D (7%-24% clay).

Figure 6. Excess pore pressure ratio against (a) intergranular and (b) global void ratio for axial strain excursions of 0.25%, 0.75% and 1.00%.

Figure 7. Changes in Resilient Young's Modulus during undrained cyclic stress increases for (a) Material B (11% clay), (b) Material C (14% clay), (c) Material D (24% clay).

Figure 8. Stress paths (q/M vs p′) for Materials A-D (7%-24% clay): test stages causing failure (UA8.5, UB11.5, UC14.5 and UD14.5 respectively) relative to critical state lines reported by Gräbe and Clayton (2009).

Date of data collection: from December 2011 – May 2012

Information about geographic location of data collection: University of Southampton, U.K.

Date that the file was created: September 2017