



Figure S1: Snapshots of state J at $T = 102$ viewed on 3 different planes (xy-, xz-, and yz-plane) at (a) $t = 11100$, (b) $t = 32400$, and (c) $t = 51000$, respectively. Colors depend on the z-coordinate at $t = 51000$ to show where the particles originate in former times. Particles are depicted small to show the position clearly. (a) yz-plane (right) clearly show a landslide (with two layers paired to slide approximately 6 times that of normal direction between the layers) have settled into the final layered positions at (c).