



Figure S4. Tomographic models for Lines 9a and 9b. High velocities occur in the Central Dome and lower velocities are determined in the upper ~1.5 km on the southern dome. Dark-shaded areas have no ray coverage. a) Line 9b. b) Line 9a; location of IODP drill hole is indicated. c) Velocity-depth profiles at two similar locations along Line 9b (gray) and Line 9a (black), which is to the east (Figure 1). Dashed- Southern Ridge (arrow, -3.5 km); solid- Central Dome (arrow, +3.0 km).