



FIGURE 4. Features of the firm core. (a) Stratigraphy. White areas represent snow/firn and solid lines represent ice layers >10 cm thick. Thick and thin dashed lines indicate ice layers with a thickness of 3–10 cm and <3 cm, respectively. Numbers on the right side of the ice layers indicate ice thickness in cm for ice layers >3 cm thick. (b) Grain size of snow/firn. Letters a, b, c, and d represent grain diameters of -0.5, 0.5–1.0, 1.0–1.5, and 1.5–2.0 mm, respectively. Discontinuous parts correspond to ice layers. (c) Wet density. (d) $\delta^{18}\text{O}$ of the snow/firn. The δ value was measured from 1- or 2-cm-thick sample at each depth.