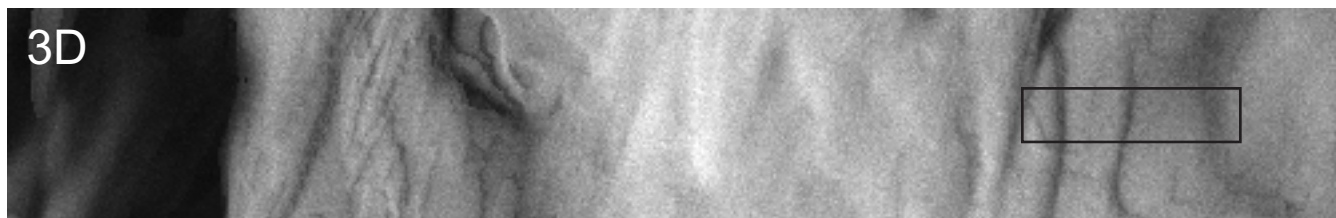


sample 1 (4.9°N; 195.7°E) $\theta_0 = 34.6^\circ$ $\varphi_r = 113.9^\circ$



sample 2 (20.7°S; 190.5°E) $\theta_0 = 51.4^\circ$ $\varphi_r = 136.3^\circ$



satellite track (N → S)

