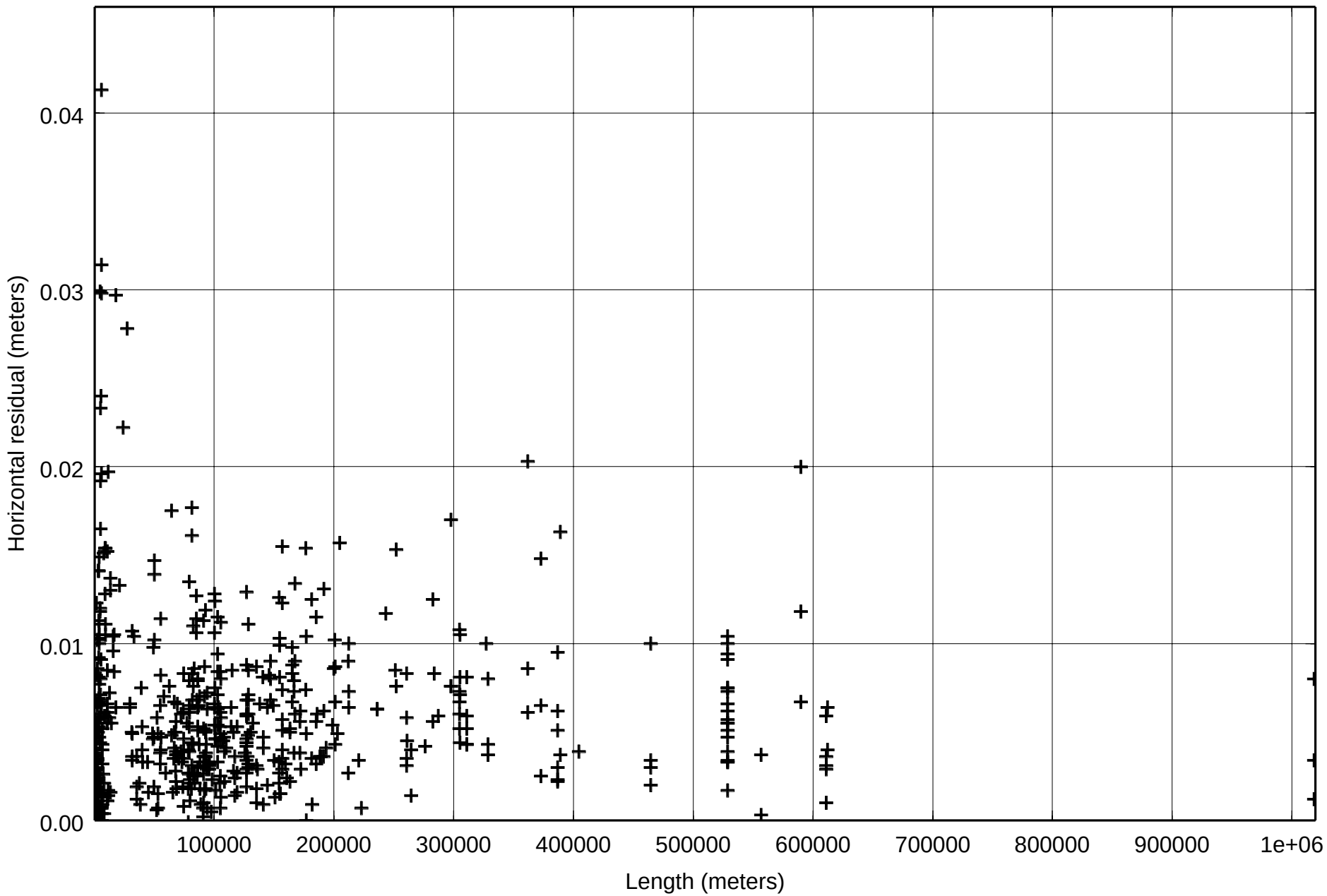NORTH DAKOTA FINAL FREE Horizontal Residuals