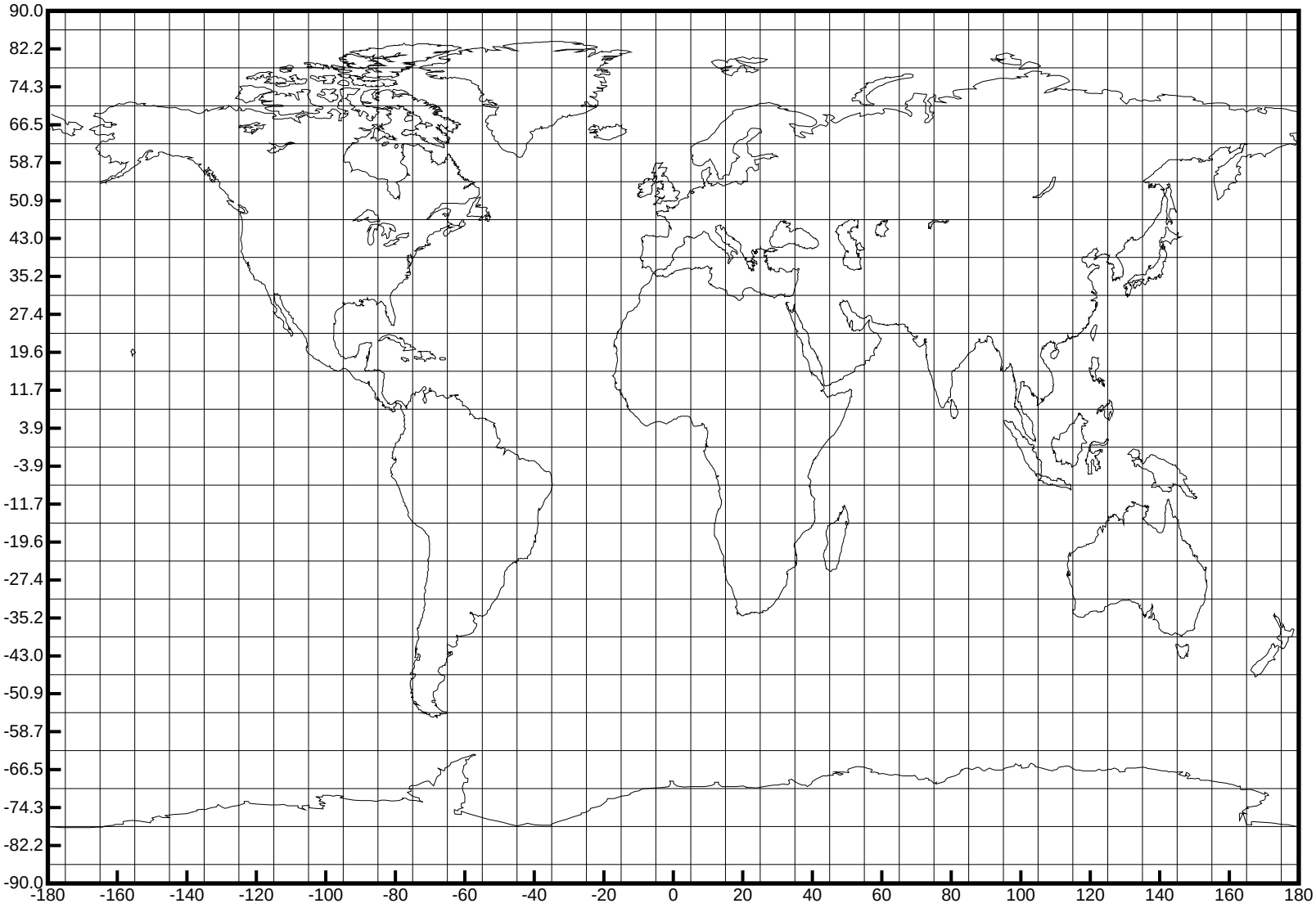MODEL II: Primary Grid, Medium Resolution: 7.826 x 10 degrees