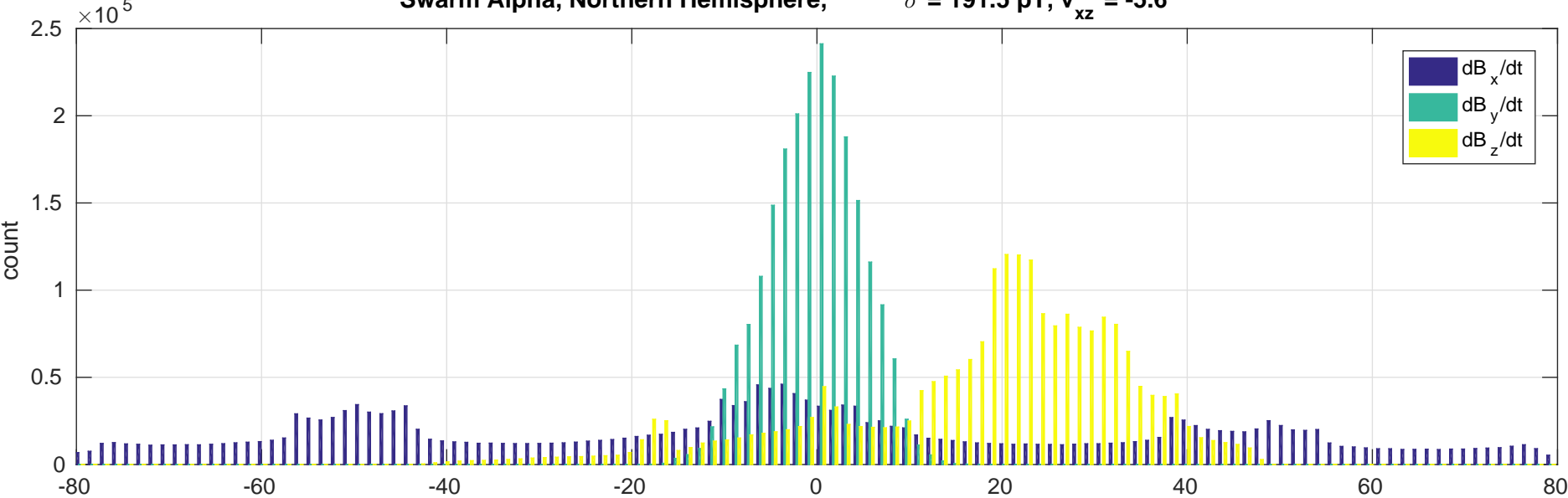


Swarm Alpha, Northern Hemisphere,

 $\sigma = 191.5 \text{ pT}, v_{xz} = -5.6''$ 

Swarm Alpha, Southern Hemisphere,

 $\sigma = 200.8 \text{ pT}, v_{xz} = -5.4''$ 