

My wife and I rely on GPS while navigating our boat on the Chesapeake Bay. At night and in poor visibility accurate GPS signals are essential for safe navigation.

I also rely on very accurate GPS reception professionally. I am a geologist. Part of our mission for the organization that I work for is to investigate former military sites for unexploded ordnance. We use GPS for navigation of geophysical sensing equipment. The process is referred to as digital geophysical mapping and requires subcentimeter accuracy. Any degradation of the quality of the GPS signal could render this mode of navigation unreliable, making it more expensive to locate and remove buried ordnance.