The accuracy and precision is great. GPS locks to satellite signal in just a few secs. The signal is great even indoors with curtains open. I got this receiver for hobby purposes and wound up building a small decoder using the Uno. I took the setup for a ride in my car having the Uno display the GPS speed on a LCD display. The GPS speed updated quickly tracking the car speed. I'm happy with the GPS unit thus far. I've only done some rudimentary testing so far, but it seems to work fairly accurately. The GPS appears to lock quickly and holds the location steady. The accuracy seems to be within a few feet of the real location, which is impressive. However, in my experience, the GPS sometimes loses lock and doesn't regain it for a short period of time. This could be due to signals being blocked by nearby objects or environmental factors. Overall, I am satisfied with the GPS receiver, and it meets my expectations for casual use. I would recommend it to anyone looking for an affordable GPS receiver.