GPS App

File

Track Selected: Kancamagus Pass   Tracks Remaining: 7

	Max	Min
Latitude	44.07	43.98
Longitude	-71.12	-71.67
Elevation	917.6	176.2

Elevation should also appear in feet!

	Miles	Kilometers
Total Distance	36.26	58.35

	MPH	KPH
Average Speed	8.99	14.47
Maximum Speed	39.21	63.11

✅

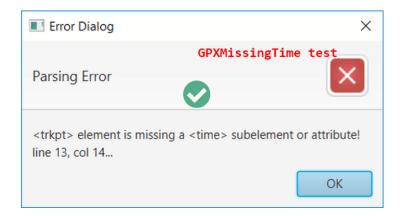**Additional tests I did on invalid files we didn't cover during the demo indicated that all error conditions are handled correctly. For example:**

Error Dialog

GPXMissingTime test

Parsing Error ✅ ❌

<trkpt> element is missing a <time> subelement or attribute!
line 13, col 14...

OK

However, when I use the posted verion of bad-longitudes, I get the error at right. It's because your app doesn't handle the optional ms syntax of the time, and the parser detects this as an error before it gets to the actual bad longitude. If I use your modified version, I get the correct error.

❌

Error Dialog

Parsing Error ❌

</time> attribute is formatted incorrectly!
The error occurred near line 8, col 41

OK

All unit tests ran for me after post-demo changes were made, but I found some issues in the unit test code; see comments in my grading commit/push.
Grade: AB