

GPS App

File

Track Selected: Tracks Remaining:

	Max	Min
Latitude	<input type="text" value="44.07"/>	<input type="text" value="43.98"/>
Longitude	<input type="text" value="-71.12"/>	<input type="text" value="-71.67"/>
Elevation	<input type="text" value="917.6"/>	<input type="text" value="176.2"/>

✗ Elevation should also appear in feet!

	Miles	Kilometers
Total Distance	<input type="text" value="36.26"/>	<input type="text" value="58.35"/>

	MPH	KPH
Average Speed	<input type="text" value="8.99"/>	<input type="text" value="14.47"/>
Maximum Speed	<input type="text" value="39.21"/>	<input type="text" value="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 version 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.