

## QGIS Application - Feature request #18959

### GPS information/tracker plugin : handling elevation

2018-05-15 03:40 PM - Pierrick Allorant

<b>Status:</b>	Open	<b>Resolution:</b> <b>Copied to github as #:</b> 26790
<b>Priority:</b>	Normal	
<b>Assignee:</b>		
<b>Category:</b>	C++ plugins/GPS plugin	
<b>Pull Request or Patch supplied:</b>	Yes	
<b>Easy fix?:</b>	Yes	
<b>Description</b>		
<p>Hi,</p> <p>QGIS would be a perfect fieldprogram for surveyors who want to do some GNSS surveys. It is easy to link to low or high cost RTK-GNSS systems using NMEA0183.</p> <p>Unfortunately, at the moment we cannot use it properly because it is impossible to record the height information in the geometry (with a 3d shp for example) or just in a given attribute.</p> <p>So here are my suggestions, which would be much welcome for all surveyors :</p> <ul style="list-style-type: none"><li>- show the altitude with 2 or 3 digits in the panel</li><li>- let the user choose between ellipsoidal height and from geoid corrected</li><li>- make it possible to record the altitude for each point in a given attribute column</li><li>- and/or (even better) : make it possible to write in 3d shapefiles so that x, y and z are directly recorded in the geometry</li></ul> <p>This is no urgent request, but a very important one for land surveyors who will be able to use Qgis as an all-integrated on-field and office software, with growing interest from those who use low-cost RTK systems.</p> <p>Thank you very much,</p>		