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**Interactive
comment**

Interactive comment on "Autonomous underwater vehicle based marine multi-component self-potential method: observation scheme and navigational correction" *by* Zhongmin Zhu et al.

Anonymous Referee #3

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The article introduces a seafloor SP measurement system used on AUV. And by setting up artificial SP sources, multi-component tests were carried out in Qiandao Lake. The test initially verified the reliability and effectiveness of the system. 1. In section 2.1, how to deal with natural noise, such as noise caused by surge? 2. In section 3.1, could the author propose improvements in installation methods in more detail? 3. It may be better to add a schematic diagram of the navigation trajectory in Figure 2. 4. The heat map in Figure 7 should add units.

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[Discussion paper]