



Correlation of hydrographic surveys obtained using large sounding vessels

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Reliability of navigational charts and cells of electronic one depends on accuracy of determination of position and depth measurements, which can be obtained using DGPS, GPS-RTK and EGNOS during positioning and using hydrographic echosounder during depth measurement. The essential factor, which influences on hydrographic measurements, is correlation of determined position with position of the reflecting point on the bottom, where acoustic wave is reflected, especially during disrupted moving of the sounding vessel. In this article the method of compensation of disruptions of the sounding vessel and correlation measured parameters during hydrographic surveys has been presented.