Errata for PhD thesis

Methane bubbles in the Arctic Ocean

Quantification, variability analysis and modelling of free and dissolved methane from the seafloor to the atmosphere

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Errata

Following the submission of the thesis *Methane bubbles in the Arctic Ocean – Quantification, variability analysis, and modelling of free and dissolved methane from the seafloor to the atmosphere*, a systematic overestimation of flow rates of free gas was reported. The software Flarehunter and its embedded Flare Flow Module described in Veloso et al. (2015) linearly overestimates calculated flow rates by a factor of four. This error was informally reported to the author of this thesis on September 10, 2018. Two months after the submission of the thesis on July 10, and less than a month before the public defense on November 9. Hence, the thesis and embedded articles at hand contain erroneous flow rates and flux values.

The main conclusions of all articles in the thesis remain unchanged, but absolute values should be corrected for the systematic error. Corrected flow rates and flux values will be presented to the best possible extent by the author at the public defense.