

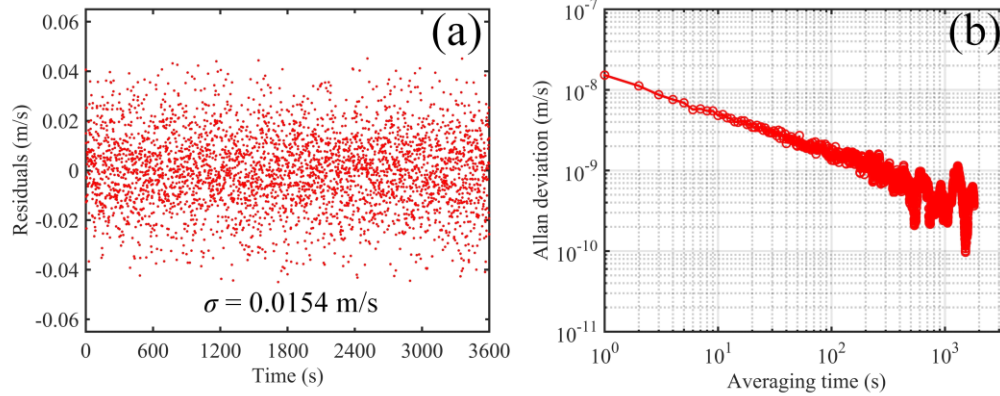
Corrections to “Direct Measurement of Underwater Sound Velocity via Dual-Comb System and Matched Filtering Algorithm”

Haihan Zhao¹, Haonan Shi¹, Pei Xu¹, Zhiwen Qian¹, Xinyang Xu¹, Zhiwei Li¹, Jingsheng Zhai¹, Xiaobo Li¹, *Associate Member, IEEE*, and Bin Xue¹

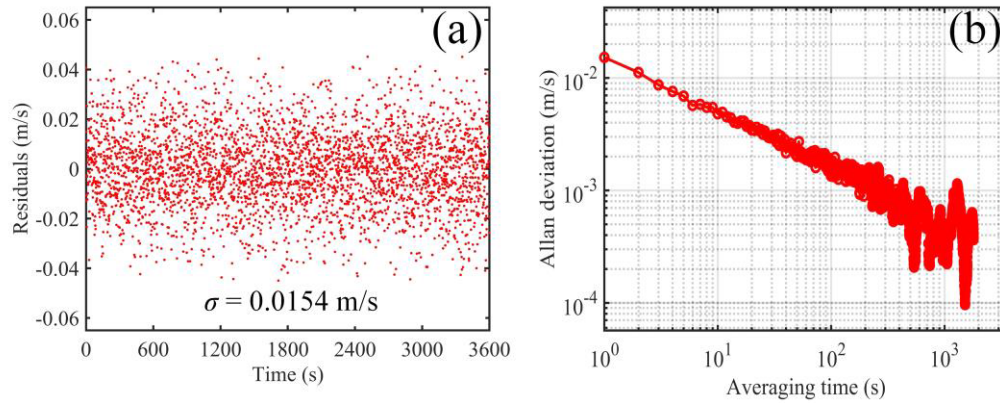
In the above article [1], in “Fig. 9. Long-term sound velocity measurement results,” the vertical coordinate of Allan deviation in Fig. 9(b) is incorrectly labeled.

This is a clerical error, but does not affect the results of the article or the sophistication of the experiment.

Original figure:



Modified figure:



Description of Fig. 9(b) in the original article:

Fig. 9(b) shows the Allan deviation of the long-term sound velocity measurements. Among them, the Allan deviation can reach 1.524×10^{-8} m/s at an average time of 1 s, and at 100 s,

it is 1.341×10^{-9} m/s. Thus, it is known from the experimental results that the method still has good measurement stability.

Modified description of Fig. 9(b):

Fig. 9(b) shows the Allan deviation of the long-term sound velocity measurements. Among them, the Allan deviation

can reach 1.524×10^{-2} m/s at an average time of 1 s, and at 100 s, it is 1.341×10^{-3} m/s. Thus, it is known from the experimental results that the method still has good measurement stability.

Manuscript received 22 August 2023; accepted 22 August 2023. Date of current version 8 September 2023. (Corresponding authors: Xiaobo Li; Bin Xue.)

The authors are with the School of Marine Science and Technology, Tianjin University, Tianjin 300072, China (e-mail: lixiaobo@tju.edu.cn; xuebin@tju.edu.cn).

Digital Object Identifier 10.1109/TIM.2023.3308411

REFERENCES

- [1] H. Zhao et al., “Direct measurement of underwater sound velocity via dual-comb system and matched filtering algorithm,” *IEEE Trans. Instrum. Meas.*, vol. 72, 2023, Art. no. 1007210.