

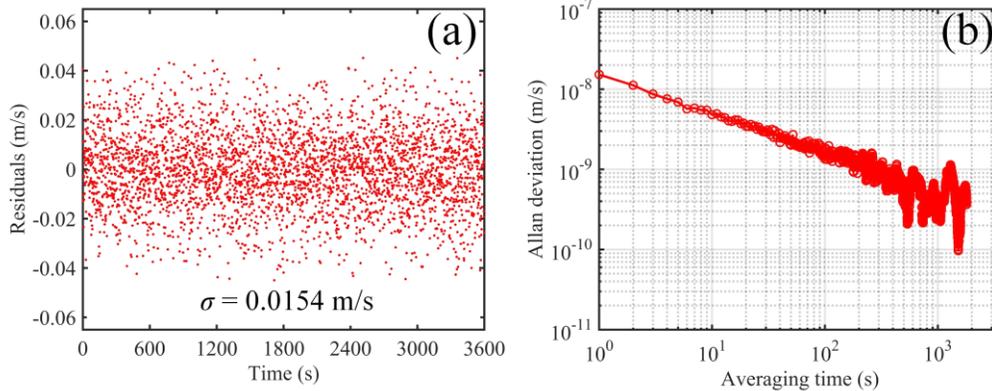
# Corrections to “Direct Measurement of Underwater Sound Velocity via Dual-Comb System and Matched Filtering Algorithm”

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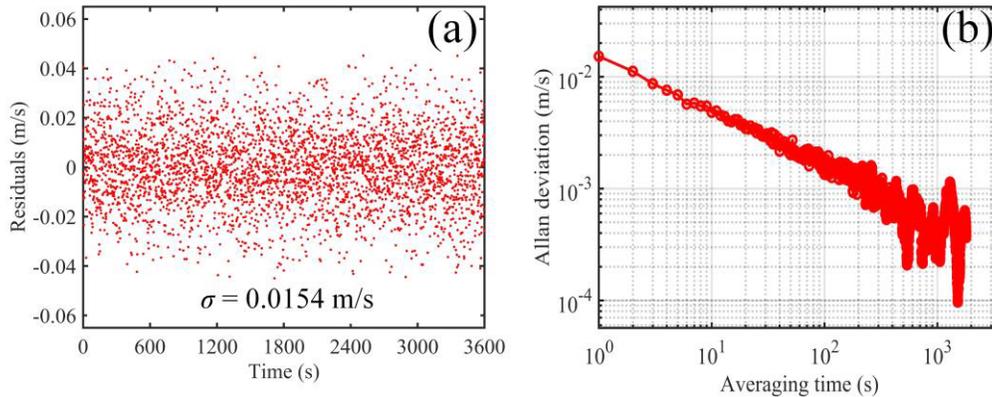
In the above article [1], in “Fig. 9. Long-term sound velocity measurement results,” the vertical coordinate of Allan deviation in Fig. 9(b) is incorrectly labeled.

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  $1.524 \times 10^{-8}$  m/s at an average time of 1 s, and at 100 s,

it is  $1.341 \times 10^{-9}$  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  $1.524 \times 10^{-2}$  m/s at an average time of 1 s, and at 100 s, it is  $1.341 \times 10^{-3}$  m/s. Thus, it is known from the experimental results that the method still has good measurement stability.

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## 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.