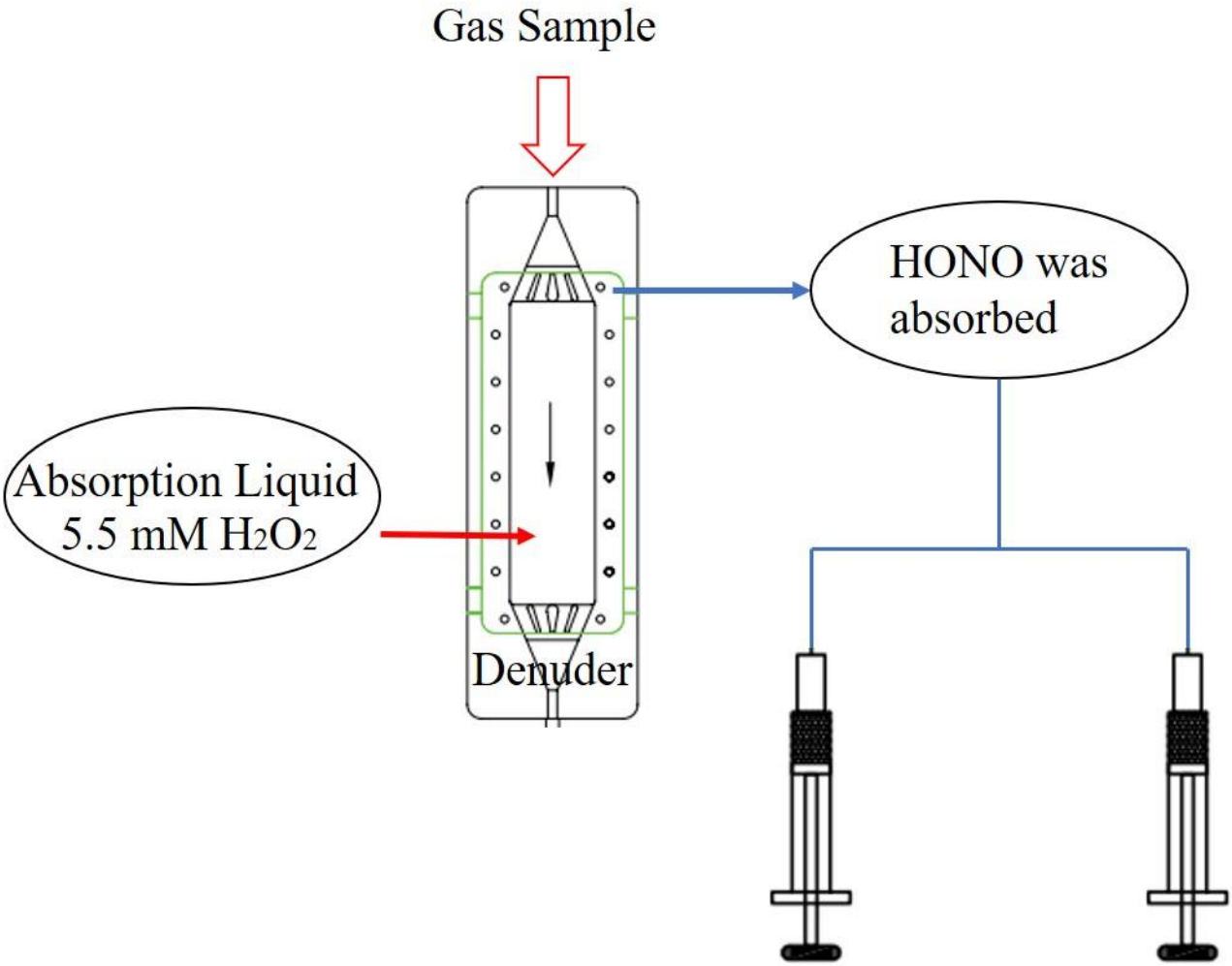
Figure Captions:

Fig. S1. The conversion process of gas samples from the atmospheric environment.

Fig. S2. The process of gas dissolution in the denuder.

Fig. S3. Diurnal variations of HONO during the measurement.

Fig. S4. The correlation study between $HONO_{correct}$ and NO_2 in the nighttime.



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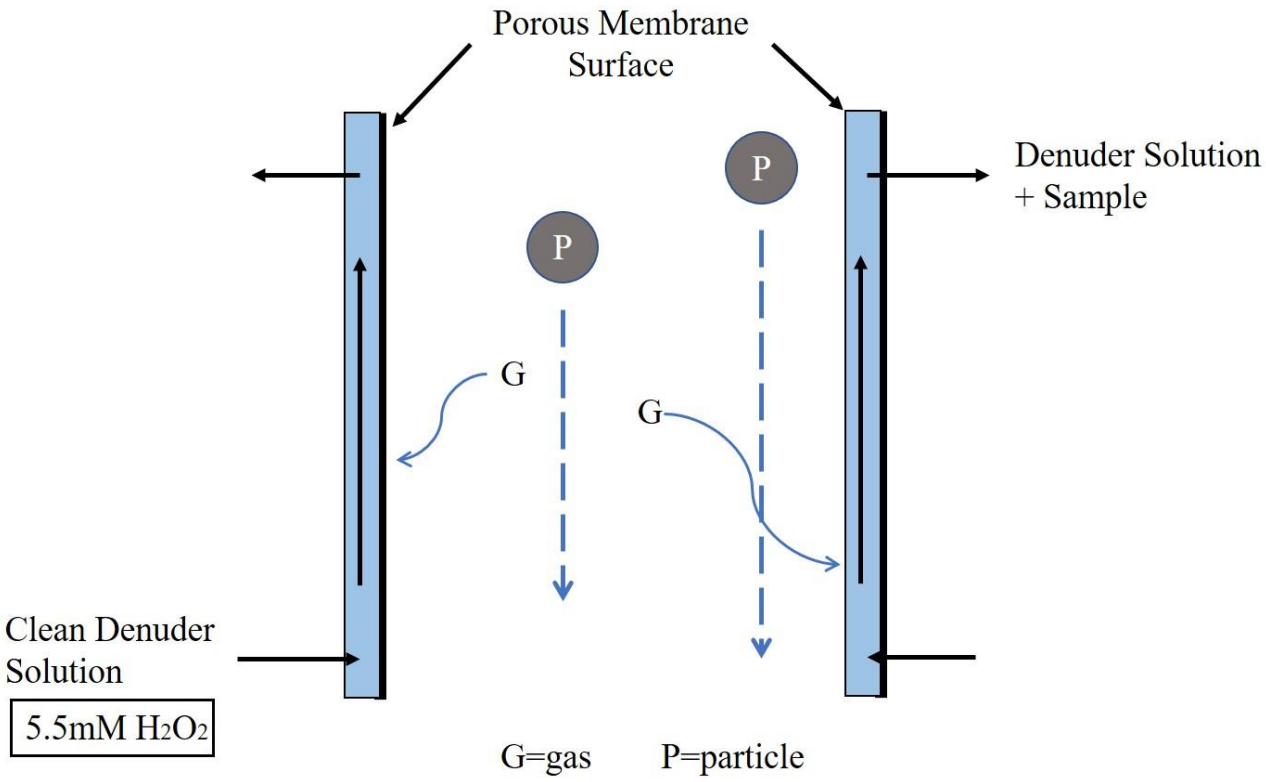

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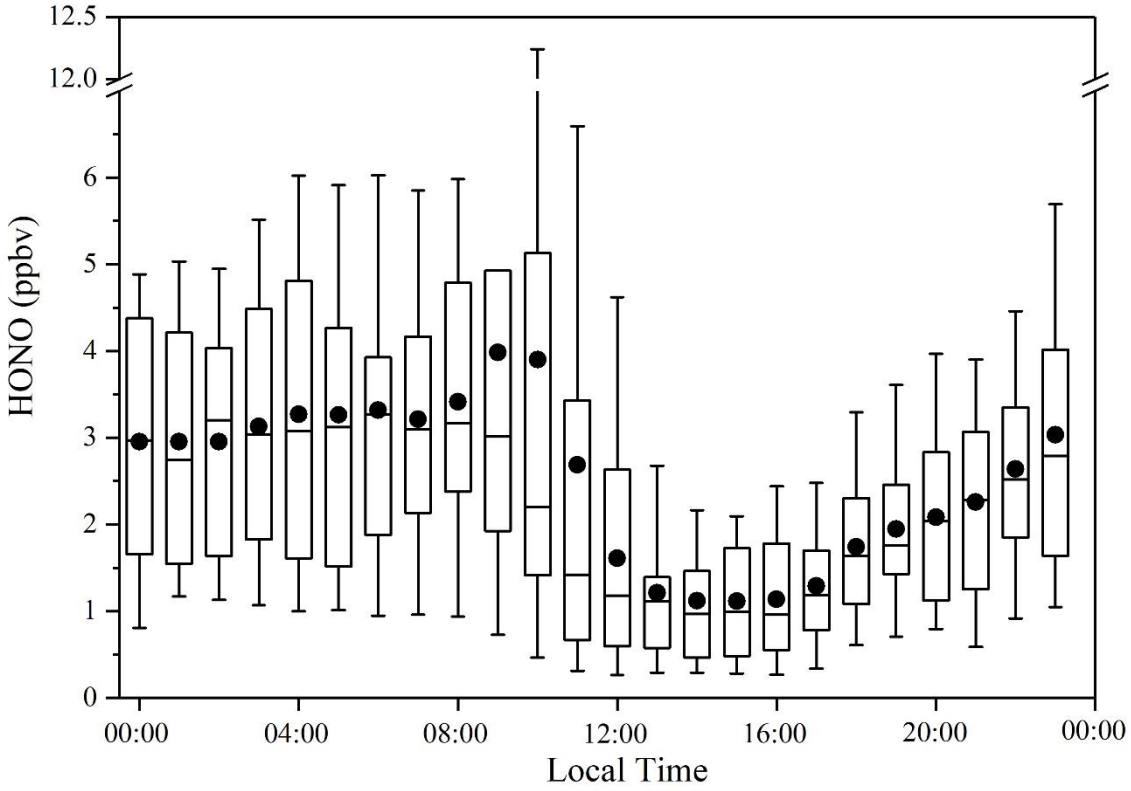
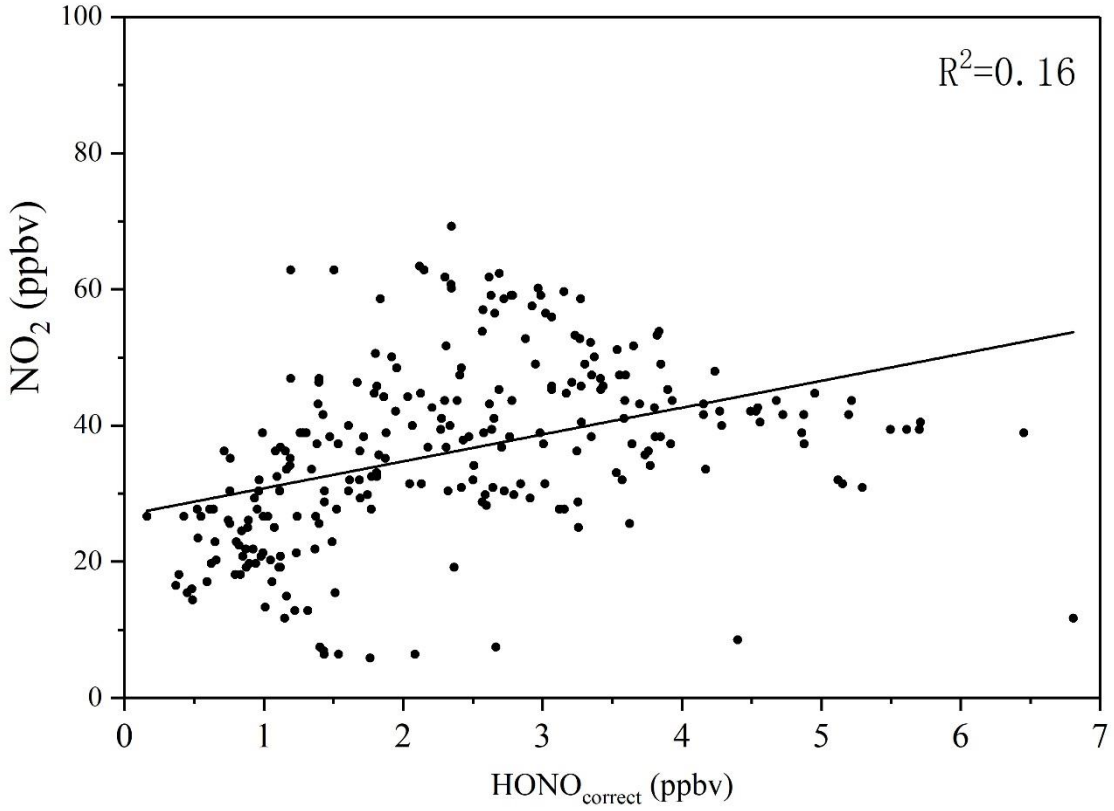


Fig. S3. Diurnal variations of HONO during the measurement.



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