

• ERRATUM •

DOI: <https://doi.org/10.1007/s00376-023-3009-6>.

## Erratum to: Deriving Temporal and Vertical Distributions of Methane in Xianghe Using Ground-based Fourier Transform Infrared and Gas-analyzer Measurements

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**Erratum to:** Ji, D. H., and Coauthors, 2020: Deriving temporal and vertical distributions of methane in Xianghe using groundbased Fourier transform infrared and gas-analyzer measurements. *Adv. Atmos. Sci.*, **37**(6), 597–607, <https://doi.org/10.1007/s00376-020-9233-4>.

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“Diurnal variation of CH<sub>4</sub> at the surface from spring to winter. The time units are in local time (+8 h UTC). The error bar is  $1\sigma$  for all the observed hourly mean data within that season at that local time.” in the caption of Fig. 8 on Page 604 should be “Diurnal variation of CH<sub>4</sub> at the surface from spring to winter. The time units are in UTC. The error bar is  $1\sigma$  for all the observed hourly mean data within that season at that local time.”

“it grows slowly but continuously, peaking at 2300 LT, before decreasing rapidly until 0600 LT the next day. However, in winter, there was no apparent difference in the CH<sub>4</sub> mole fraction between daytime and nighttime; it increased between 0600 and 1500 LT and was stable between 1500 and 2400 LT, after which it decreased as in all other seasons.” in Section 4.3 on Page 604 should be “it grows slowly but continuously, peaking at 2300 UTC, before decreasing rapidly until 0600 UTC the next day. However, in winter, there was no apparent difference in the CH<sub>4</sub> mole fraction between daytime and nighttime; it increased between 0600 UTC and 1500 UTC and was stable between 1500 and 2400 UTC, after which it decreased as in all other seasons.”

“The CH<sub>4</sub> mole fraction near the ground reached its maximum value near midnight (~2200–2300 LT), with its minimum value occurring at 0600–0700 LT. The daily maximum values in summer were relatively higher than in other seasons, at nearly 2.4 ppm.” in Conclusions on Page 606 should be “The CH<sub>4</sub> mole fraction near the ground reached its maximum value near sunrise (~2200–2300 UTC), with its minimum value occurring at 0600–0700 UTC. The daily maximum values in summer were relatively higher than in other seasons, at nearly 2.4 ppm.”

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The online version of this original article can be found at <https://doi.org/10.1007/s00376-020-9233-4>.

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