



Corrigendum to “Measurement report: Insights into the high temporal variability of atmospheric carbon dioxide (CO₂) at a suburban station in the Indo-Gangetic Plain” published in Atmos. Chem. Phys., 26, 6929–6949, 2026

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In the published paper “Measurement report: Insights into the high temporal variability of atmospheric carbon dioxide (CO₂) at a suburban station in the Indo-Gangetic Plain, published in Atmos. Chem. Phys., 26, 6929–6949, 2026” an oversight occurred in acknowledging the valuable support provided by the Indian Institute of Tropical Meteorology (IITM), Pune, Ministry of Earth Sciences (MoES), Government of India, in the calibration and quality control of the CO₂ observations presented in this paper using NOAA calibration cylinders maintained by IITM.

Therefore, corrections were made to Sect. 2.2.1, the acknowledgements section in the main text, Sect. S1 and Table S3 in the Supplement.

The final paragraph of Sect. 2.2.1 should include:

The instrument was calibrated from 22–24 September 2025 at the Indian Institute of Tropical Meteorology (IITM), Pune, Ministry of Earth Sciences, Government of India, at its Tall Tower Laboratory at the Atmospheric Research Testbed (ART) GHG tall tower lab for about 4 h each day during the study period. The lab and NOAA-certified cylinders (Table S3) are owned

by the IITM, Ministry of Earth Sciences, Govt of India. Further details of the calibration process are provided in Sect. S1 in the Supplement.

Acknowledgement text should include:

Acknowledgements. The atmospheric CO₂ measurements presented in this study were calibrated during 22–24 September 2025 using NOAA-certified calibration cylinders owned and maintained by the Indian Institute of Tropical Meteorology (IITM), Pune, Ministry of Earth Sciences, Government of India, at its Tall Tower Laboratory at the Atmospheric Research Testbed (ART), Silkheda, Bhopal. We sincerely acknowledge the support of the scientists at ART Bhopal and IITM Pune for maintaining these calibration cylinders and helping with the calibration and quality control of the CO₂ measurements used in this study.

Section S1 of the Supplement should be modified as:

The Picarro G2301 analyser was calibrated using four NOAA-certified primary standards containing known concentrations of CO₂ and CH₄ (Table S3) during 22–24 September 2025 at IITM tall tower lab located at Atmospheric Research Testbed (ART), Silkhedha, Bhopal, central India. Each cylinder was sampled for 15 min during these 2 d in an ascending concentration sequence, repeated twice (Fig. S6), resulting in a total measurement time of 30 min per cylinder over a 2 h session.

The Table S3 and table caption should be revised as:

Table S3. The four NOAA-certified primary standards containing known concentrations of CO₂ and CH₄ are given. Two instances of calibrations were performed at the IITM's Atmospheric Research Testbed (ART), Bhopal with support through its GHG observation program across India.

Reference value		Measured value	
CO ₂ (ppm)	CH ₄ (ppb)	CO ₂ (ppm)	CH ₄ (ppb)
370	1720	368.61 ± 0.03	1743.4 ± 0.2
395	1837	392.47 ± 0.03	1844.2 ± 0.2
420	1880	418.05 ± 0.04	1899.3 ± 0.2
450	2100	444.90 ± 0.02	2104.1 ± 0.2
370	1720	368.33 ± 0.03	1743.4 ± 0.2
395	1837	392.39 ± 0.06	1844.0 ± 0.1
420	1880	417.99 ± 0.05	1899.3 ± 0.1
450	2100	444.91 ± 0.06	2104.1 ± 0.2