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Long-term observations of black carbon aerosol over a rural location in Southern Peninsular India: Role of dynamics and meteorology

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Key Points:

- 10 years of BC observations over a rural location are reported for the first time.
- Significant decreasing trend is found in the highest and lowest values of BC.
- Strong association of BC with dynamics and meteorology is found.
- Angstrom exponent values suggests fossil fuel combustion as a dominant source.

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