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Temperature Microstructure in the Equatorial Atlantic

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ABSTRACT

Vertical profiles of temperature microstructure were collected at seven sites in the equatorial Atlantic between 24°W and 33°W, 2°N and 1°20'S. The use of three identical temperature microstructure profiles gives insight into the spatial and temporal variation of the temperature microstructure. Data on the velocity microstructure taken with a fourth instrument show a relationship between temperature and velocity microstructure.

Cox numbers show a relative minimum near the center of the core with largest values in the shear region between the South Equatorial Current and the Equatorial Undercurrent.

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