

CORRIGENDUM

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Because of a production error, Figs. 2, 5, and 10 in Kleissl et al. (2004) appeared in black and white instead of in color. The color figures that should have appeared are reproduced below.

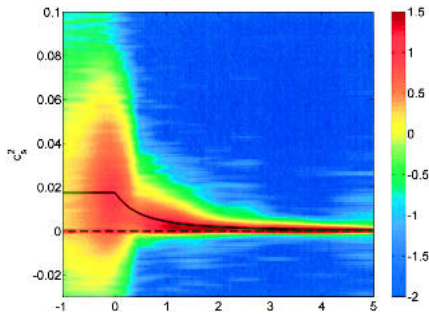


FIG. 2. Contour plots of conditional PDF of $(c_s^{\Delta,emp})^2$, $P(c_s^2|\Delta/L)$, for array 2 ($\Delta/z \sim 1.1$). The contours show $\log_{10} P(c_s^2|\Delta/L)$. The averaging time to compute c_s^{Δ} is $T_c = 3.2 \text{ s} \sim 2.0\Delta/\langle u \rangle$. The solid line is the empirical fit of Eq. (14). The dashed line shows $(c_s^{\Delta})^2 = 0$.

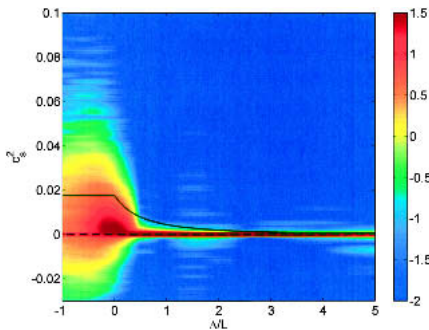


FIG. 5. Contour plots of the PDF of $(c_s^{\Delta,dyn})^2$ conditioned on Δ/L for array 2 ($\Delta/z \sim 1.1$). The contours show $\log_{10} P(c_s^2|\Delta/L)$. The averaging time to compute c_s^{Δ} is $T_c = 3.2 \text{ s} \sim 2.0\Delta/\langle u \rangle$. The solid line is the empirical fit of Eq. (14). The dashed line shows $(c_s^{\Delta})^2 = 0$.

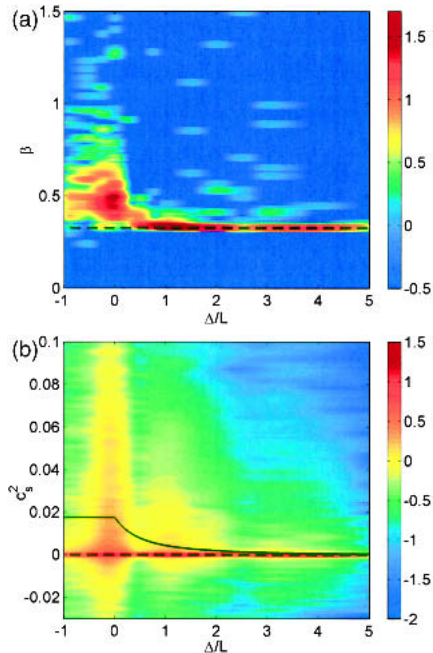


FIG. 10. Contour plots of conditional PDF of (a) β and (b) $(c_s^{\Delta,sd-dyn})^2$ from the scale-dependent dynamic model. The contours show (a) $\log_{10} P(\beta|\Delta/L)$ and (b) $\log_{10} P(c_s^2|\Delta/L)$. The averaging time to compute c_s^{Δ} is $T_c = 3.2 \text{ s} \sim 2.0\Delta/\langle u \rangle$. The dashed line in (a) shows $\beta = 0.327$ [cf. Eq. (15)]. The dashed and solid lines in (b) show $(c_s^{\Delta})^2 = 0$ and the empirical fit of Eq. (14), respectively.

REFERENCE

Kleissl, J., M. B. Parlange, and C. Meneveau, 2004: Field experimental study of dynamic Smagorinsky models in the atmospheric surface layer. *J. Atmos. Sci.*, **61**, 2296–2307.

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