Correction to: 'Structure and dynamics of the convective boundary layer on Mars as inferred from large-eddy simulations and remote-sensing measurements'

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Correction to: 'Structure and dynamics of the convective boundary layer on Mars as inferred from large-eddy simulations and remote-sensing measurements'

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There was an error in Figures 2, 5, 6 and 9. In these figures the incorrect symbols were used in the lines representing case a and case z. The corrected figures are reproduced below:

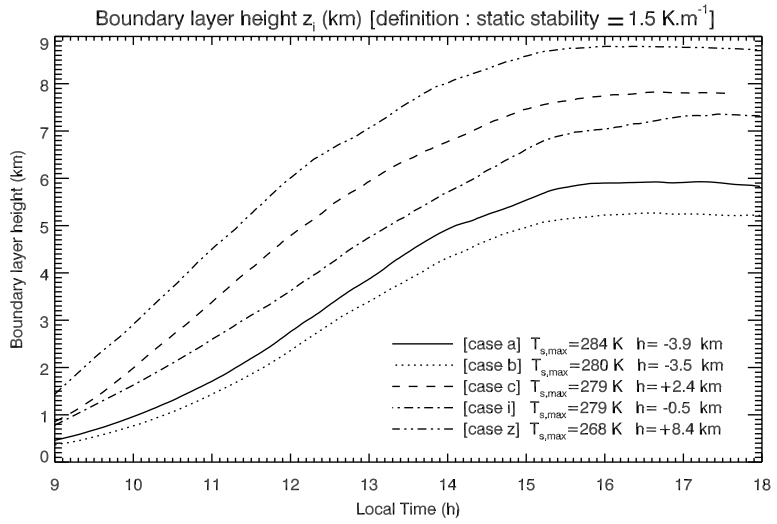

Figure 2. Variations of the boundary-layer depth above the local surface with time for the five LES case-studies. h and Ts are defined in Table II.

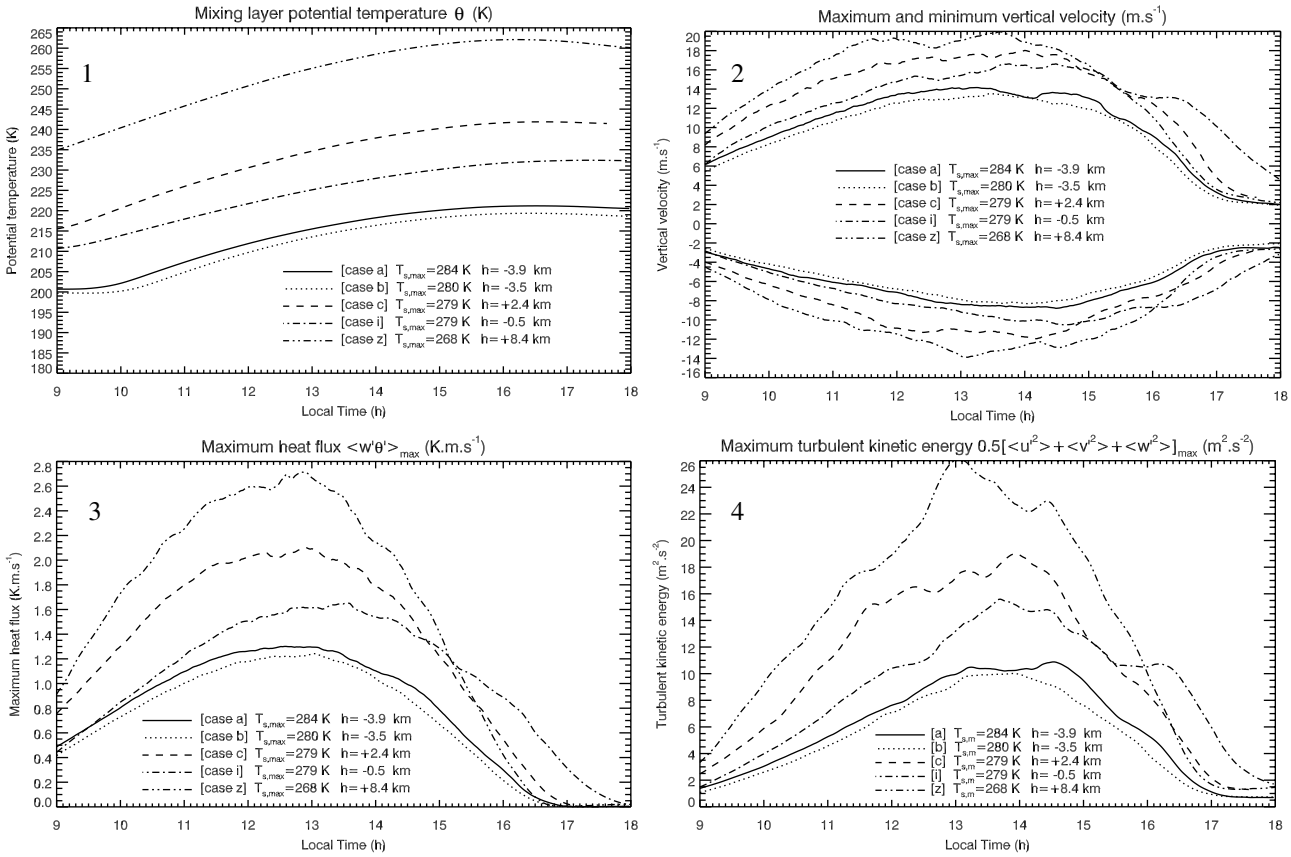

Figure 5. Variation of the LES statistics with time in the five case-studies defined in Table II. (a) Mixed-layer potential temperature (K), (b) updraught/downdraughtmaximum vertical velocity (m s^{-1}), (c) maximum vertical eddy heat flux (K m s^{-1}), and (d) maximum turbulent kinetic energy (m^2 s^{-2}).

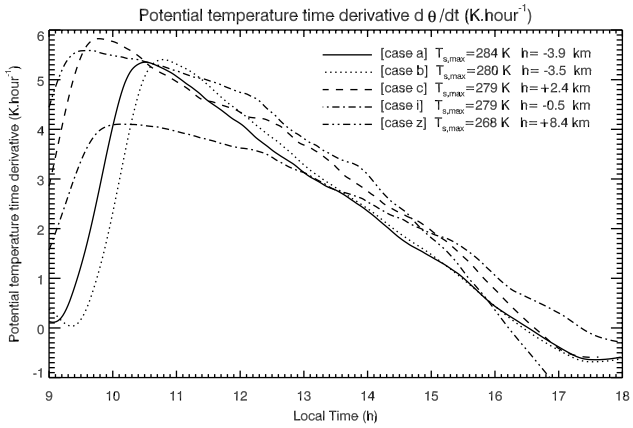

Figure 6. Variation of the time derivative of the mixed-layer potential temperature (K h^{-1}) with time for the five LES case-studies. Note that before 1000 LT the behaviour is still influenced by the 'burning-off' of the remains of the night-time inversion.

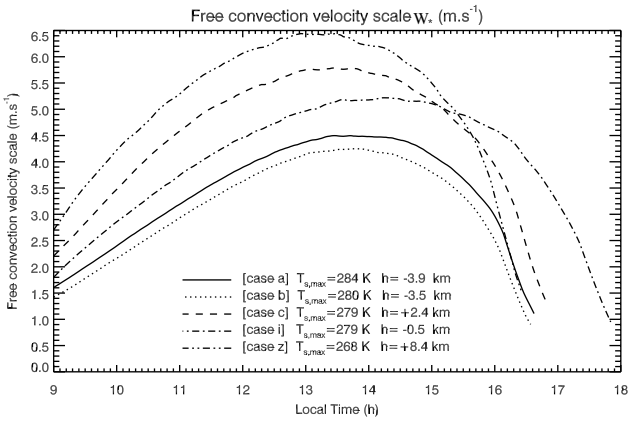

Figure 9. Variations of the convective scaling velocity W_* with time in the five LES case-studies. Values of W_* are computed according to the generalised Eq. (12).

Equation 4 also contained an error. The corrected equation appears below:

$$\frac{\partial \theta}{\partial t} \approx -\frac{\partial (w'\theta')}{\partial z}. \qquad (4)$$

