

BL diurnal cycle over land

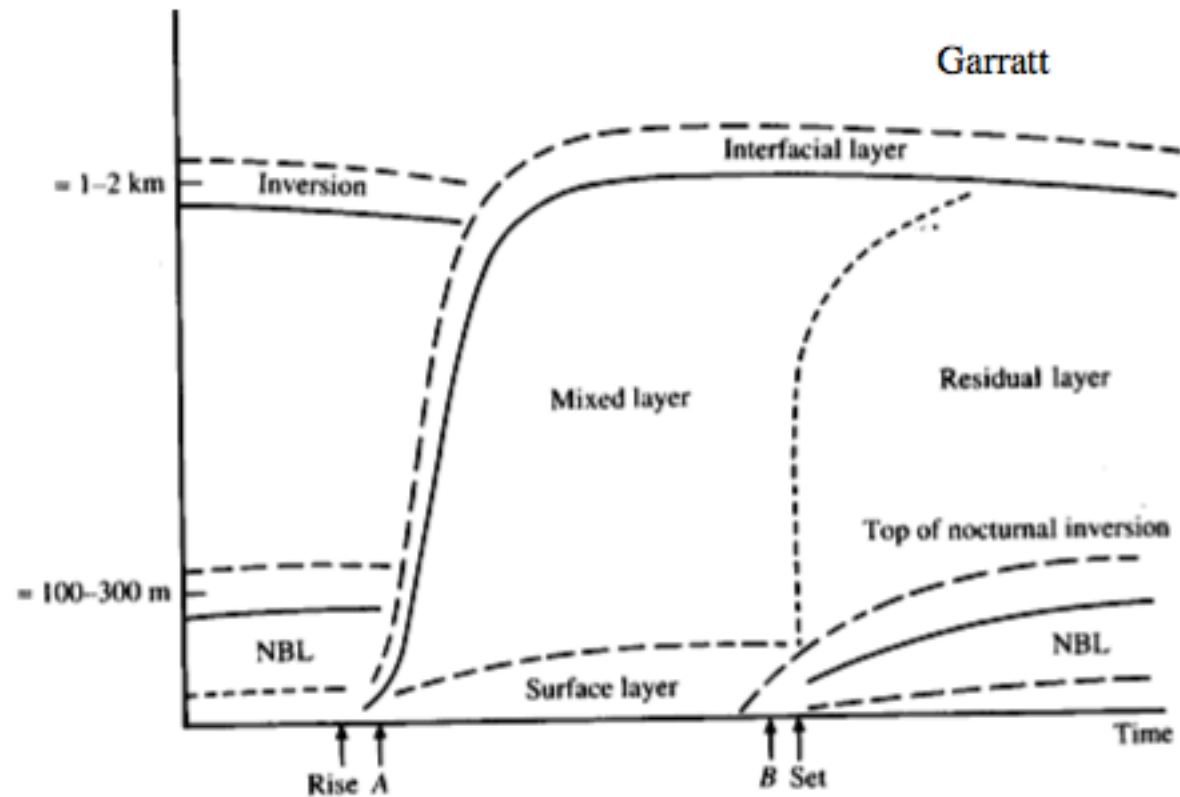


Fig. 6.1 Schematic representation of ABL evolution throughout the diurnal period over land under clear skies.

Diurnal variation of temperature over Wangara

Arya

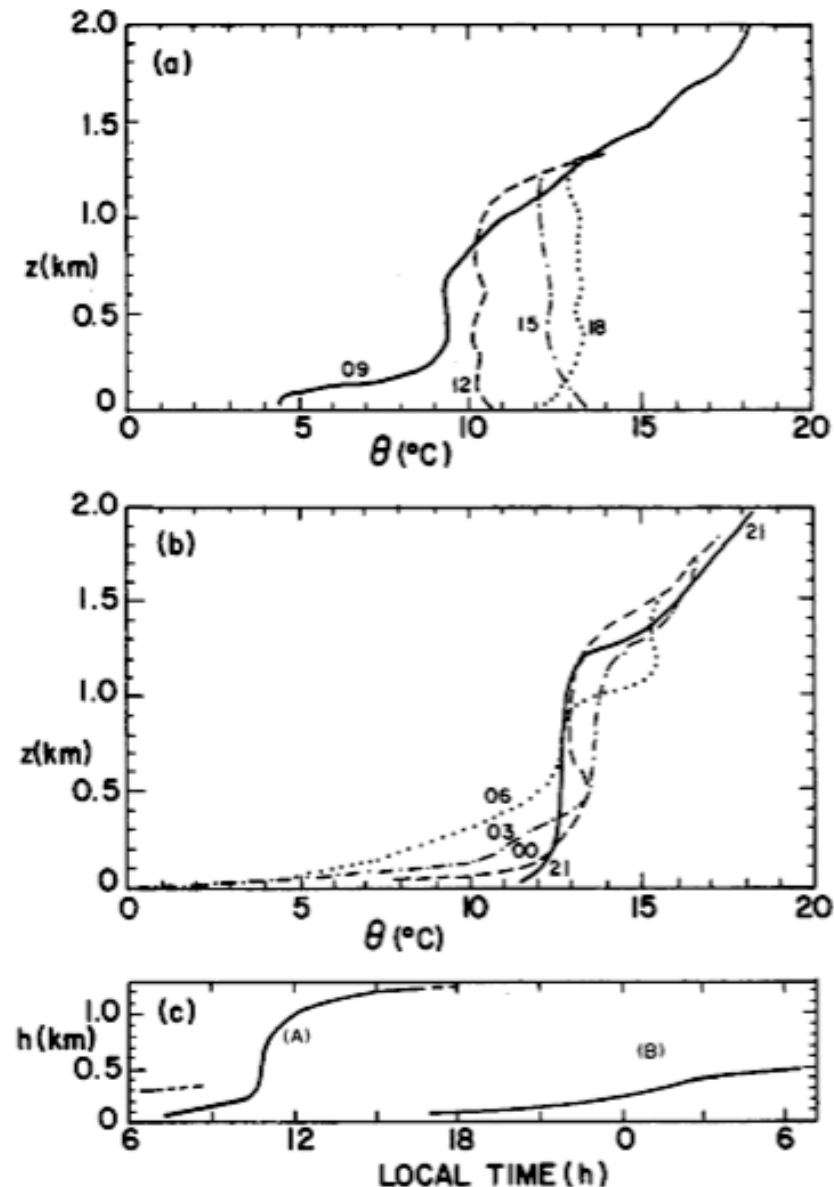
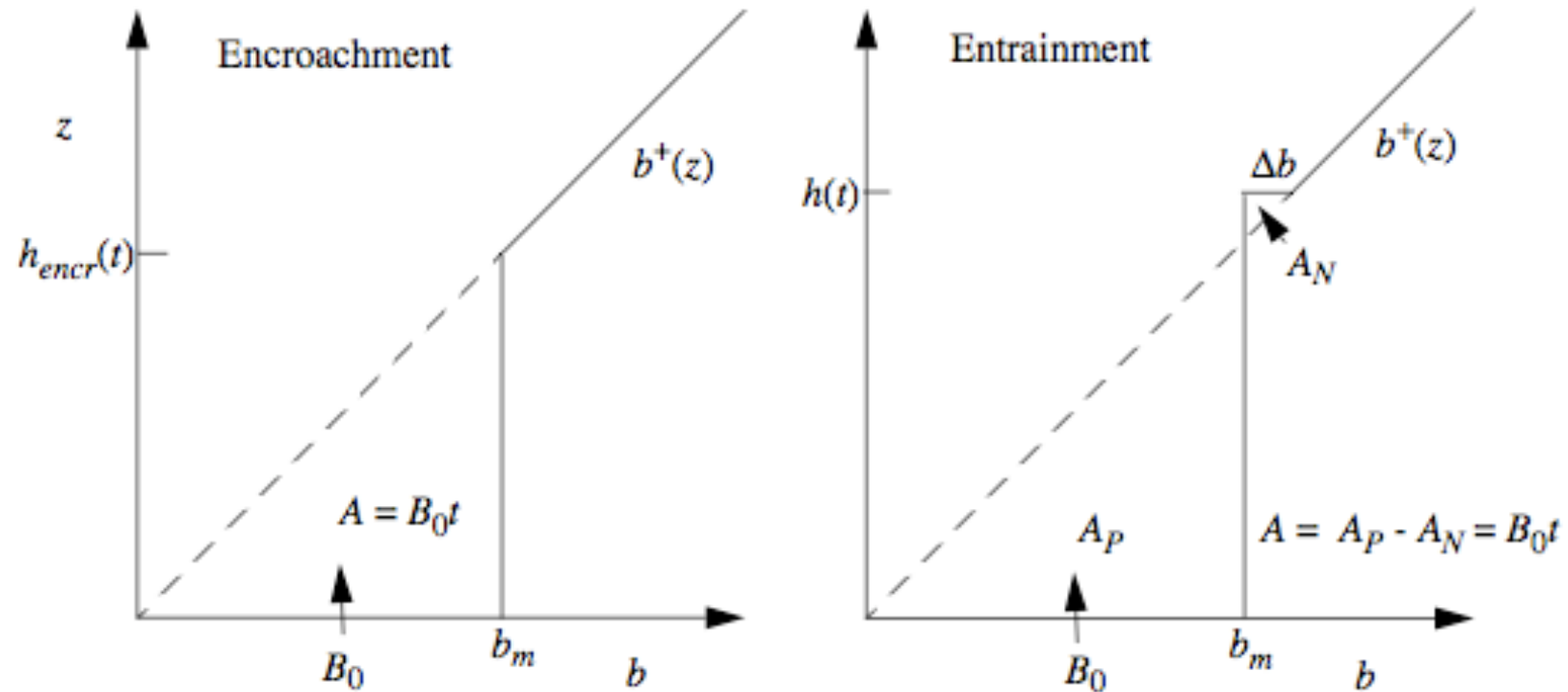


Fig. 5.2 Diurnal variation of potential temperature profiles and the PBL height during (a) day 33 and (b) days 33–34 of the Wangara Experiment. (c) Curve A, convective; Curve B, stable. [After Deardorff (1978).]

Convective mixed layer growth and entrainment



Convective mixed layer evolution illustrating more rapid deepening if entrainment is assumed to be penetrative ($\beta = 0.2$), compared to encroachment ($\beta = 0$).

Flatland observations (Illinois corn field)

