2D simulation - X-Z vertical velocity with tendency and equivalent potential temperature fields at 20460 sec

(a) PWDT - parcel vertical acceleration [m s$^{-2}$]
(b) BUOY - buoyancy acceleration [m s$^{-2}$]
(c) VPGA - vertical perturbation pressure gradient acceleration [m s$^{-2}$]
(d) TVPT - vertical potential temperature advection plus diabatic heating/cooling [K s$^{-1}$]
(e) QCLH - diabatic heating/cooling from cloud water condensation or evaporation [K s$^{-1}$]
(f) equivalent potential temperature [K]

**Figure 9** - Tendency and equivalent potential temperature fields show with vertical velocity (2 m s$^{-1}$ contours) for a smaller domain than shown in Fig. 8, focusing on the incipient and matured cells (features 1 and 2). For acceleration fields, upward (downward) accelerations are shaded (contoured).