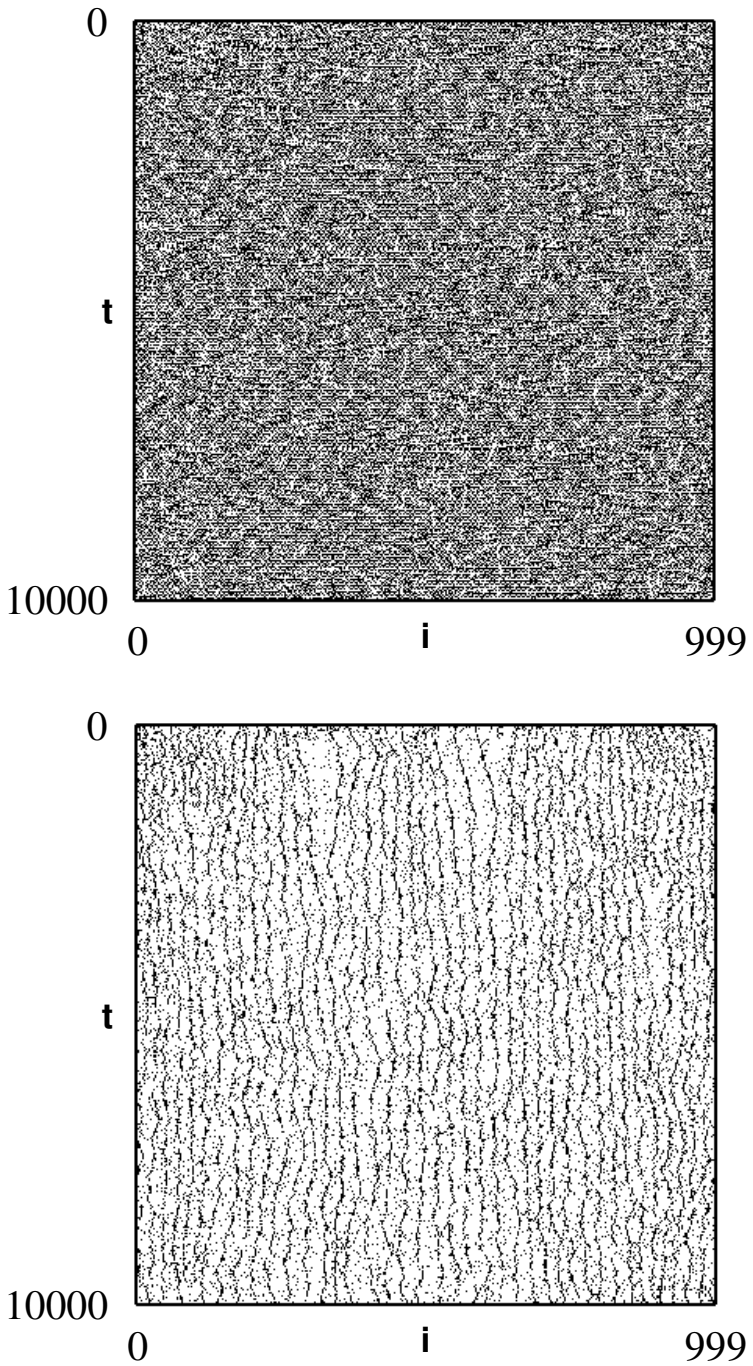

Fig. 10.12 Much larger space-time plots of ECA 54. These are raster files, taken directly from the computer screen, with an image resolution that is considerably coarser than the cell size. The importance of domain filtering for visualization is especially obvious here.

Machine reconstruction was performed separately on two data sequences: (i) the state $s_{100,000}$ reached by 10^5 iterations of ECA 18 on a periodic array of 10^5 sites, starting from a random initial condition; and (ii) the iterate of $s_{100,000}$, i.e., the state $s_{100,001}$. The results of a series of reconstructions at different tree and morph depths (see chapter 5) were trivial variants of the machines shown in figs. 10.13(a) and