



Figure 4.13 Two 2 x CO₂ equilibrium climate change scenarios for the Swiss region derived with the semiempirical downscaling technique. Shown are regionally averaged changes in monthly mean temperature (left) and total precipitation (right) downscaled from 2 x CO₂ experiments with the Hamburg ECHAM1-T21/LSG GCM (Cubasch et al. 1992, top) and the Canadian CCC-GCMII (Boer, McFarlane and Lazarte 1992, bottom). Regional averages were computed from separately downscaled changes at forty irregularly distributed locations (see figure 4.14). Grey areas correspond to the empirical 90 percent confidence interval of the regionally averaged change. Changes are given for temperature in °C and for precipitation in percentage of the 1931-80 long-term mean. After Gyalistras 1994.