



Figure 4.4 A comparison of the observed global mean surface air temperature from 1861 to 1995 (thin line, based on data from Jones 1988, updated) with the value derived from a transient coupled atmosphere-ocean simulation. The observations are given as anomalies relative to the 1950-79 mean. The smooth curve was derived from differences simulated in a climate change experiment with the Hadley Centre GCM relative to the long-term mean state from a control simulation under constant (circa 1860) GHG concentrations. The climate change experiment was started in the year 1860 and was driven by observed and projected increases of GHGs and aerosol concentrations (after Mitchell, Johns et al. 1995).