



Figure 7.20. Temperature proxy (δD) and gas concentrations in bubbles from the Dome C ice core in Antarctica ($75^{\circ}06' S$, $123^{\circ}24' E$) during the last glacial-interglacial transition. The Younger Dryas (Y/D) and Bolling/Alerod (B/A) events recorded in the Greenland ice cores are also present in Antarctic ice and are indicated according to the Greenland GRIP ice core time scale. CH₄ is a global atmospheric signal; similar CH₄ changes are observed at both poles. However, changes in temperature and CO₂ during the BA and Y/D periods indicated here are in the opposite sense from those observed in Greenland. The ice age – gas age difference between the δD and gas records is based on an ice accumulation model. Redrawn from Monnin *et al.* (2001).