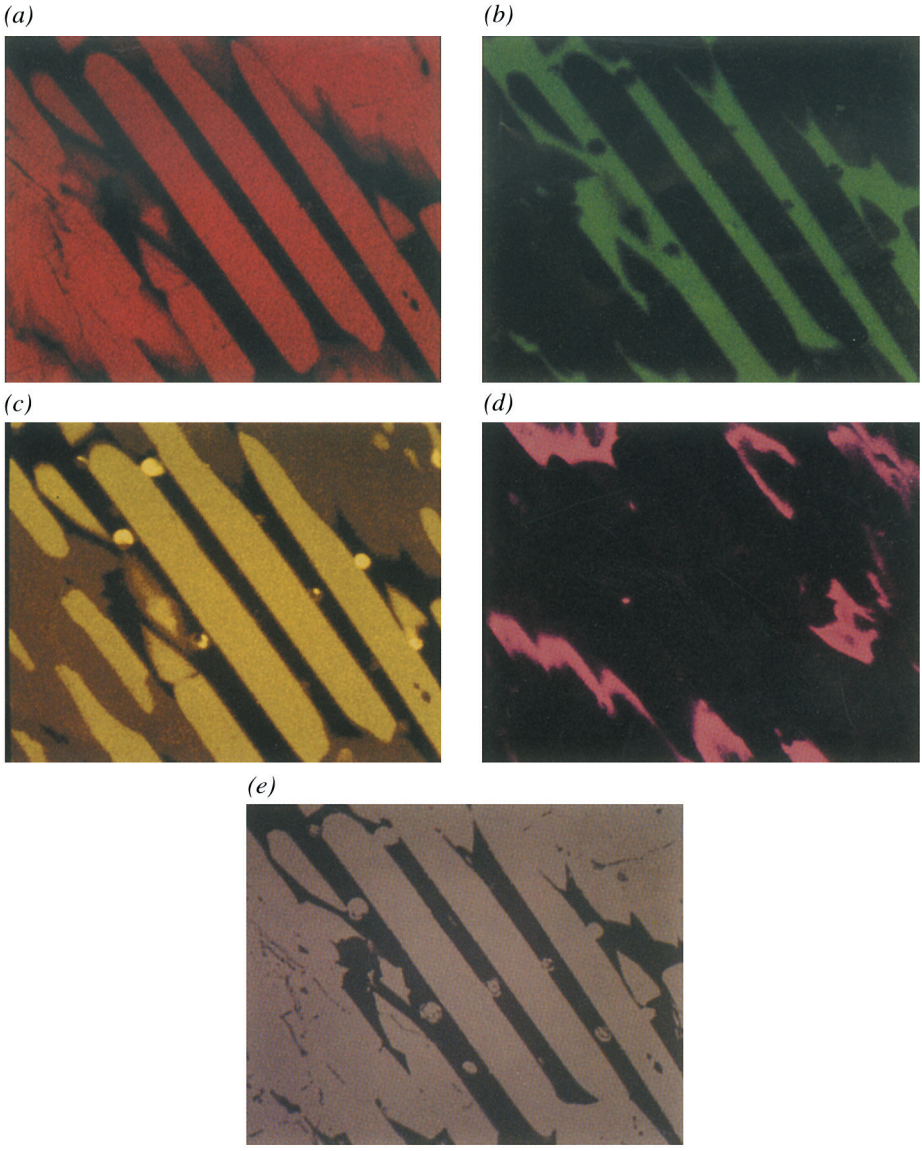
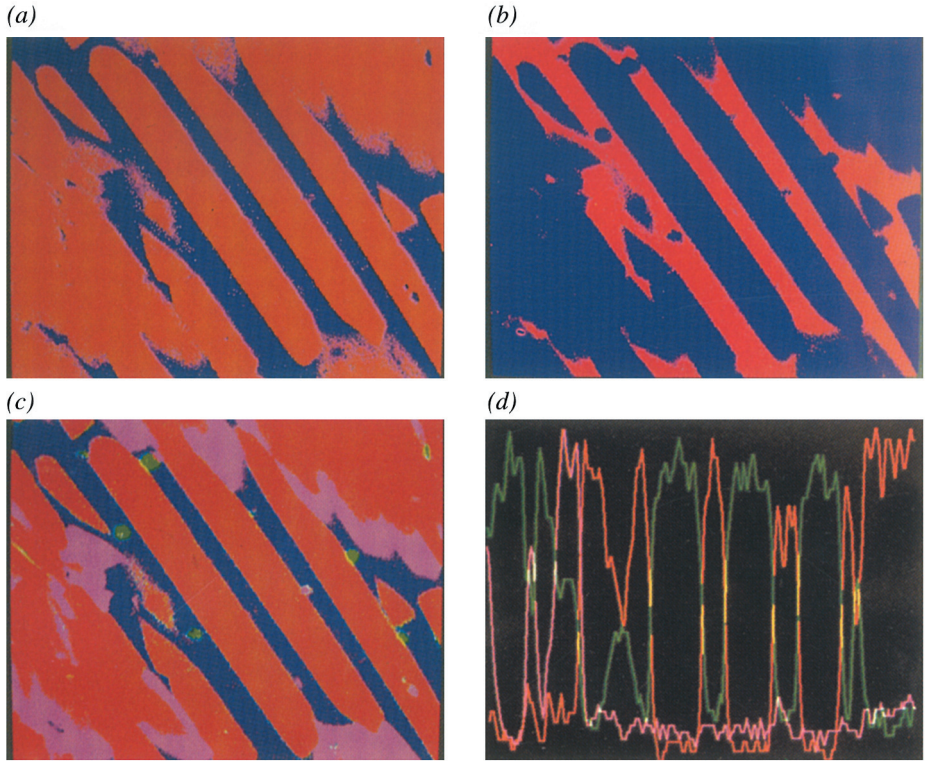


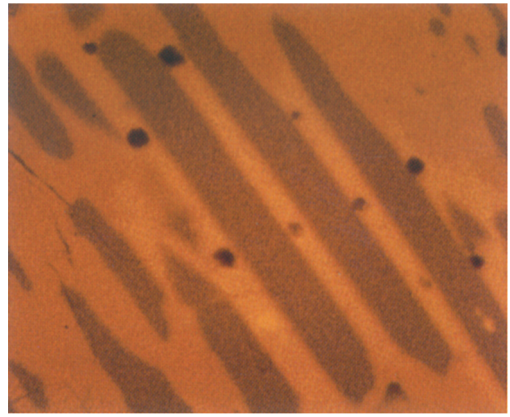
1. Images of microstructure in meteorite: monochrome elemental X-ray images of (*a*) Mg, (*b*) Al, (*c*) Fe, (*d*) Ca, and backscattered electron image (*e*) with enhanced contrast to emphasise atomic number differences.

The plates in this section are available for download in colour from www.cambridge.org/9780521599443

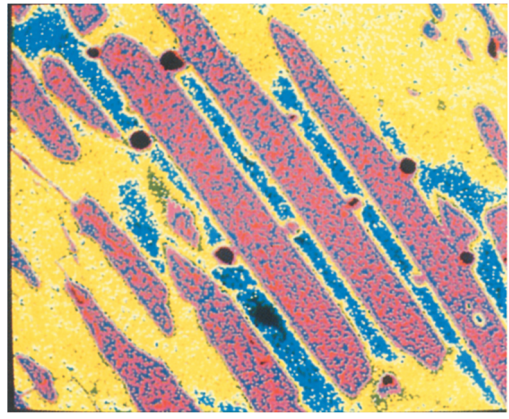


2. Multicolour images of same specimen as in plate 1: (*a*) 'binary' image of Mg showing areas where Mg X-ray intensity is below (blue) or above (red) threshold; (*b*) ditto for Al; (*c*) multiple image showing areas high in Mg (red), Al (blue), Ca (pink), Fe (green); (*d*) line scan profiles showing distributions of Mg (green), Al (red), and Ca (pink) across centre of scanned area.

(*a*)



(*b*)



(*c*)

3. Images of Si distribution in same specimen as in plate 1: (*a*) monochrome, (*b*) false colours using colour scale shown in (*c*).