

Appendix

The data presented in this appendix is contained on the compact disc on the inside back cover of this thesis. This data includes all UV-Vis-NIR and XANES spectra collected during this work. These can all be accessed using commonly available programs such as text editors, Adobe Acrobat reader and Microcal Origin. The data and input files for the synchrotron X-ray and neutron diffraction patterns utilised during this thesis are also included. To allow the reader to run these up-to-date versions of the programs Rietica and GSAS are included on the disc. These can be run on PCs running under Windows 95/98/2000/XP/Vista; apologies to any UNIX, LINUX and Macintosh users. Rietica does not operate under the later operating systems but a version of GSAS appropriate for these can be downloaded from the GSAS homepage on the CCP14 crystallographic server at <http://www.ccp14.ac.uk/solution/gsas/>. The data contained on this compact disc represents a record of the majority of the work presented in this thesis and every attempt has been made to ensure it is presented in a consistent and clear manner.