

Figure 3: Section of 2Fo-Fc protein electron density map showing Glu A66 at 1 rms contour level, (a) space data. (b) earth data for which the density is better.

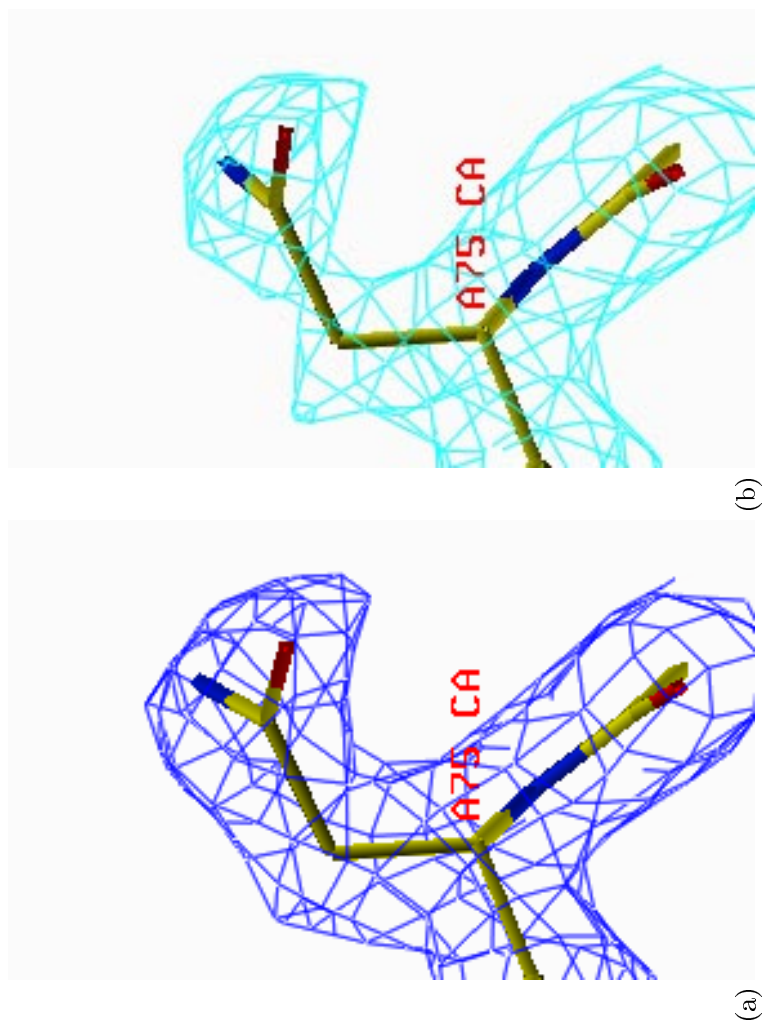


Figure 4: Section of 2Fo-Fc protein electron density map showing Asn A75 at 1 rms contour level, (a) space data for which the density is better. (b) earth data.

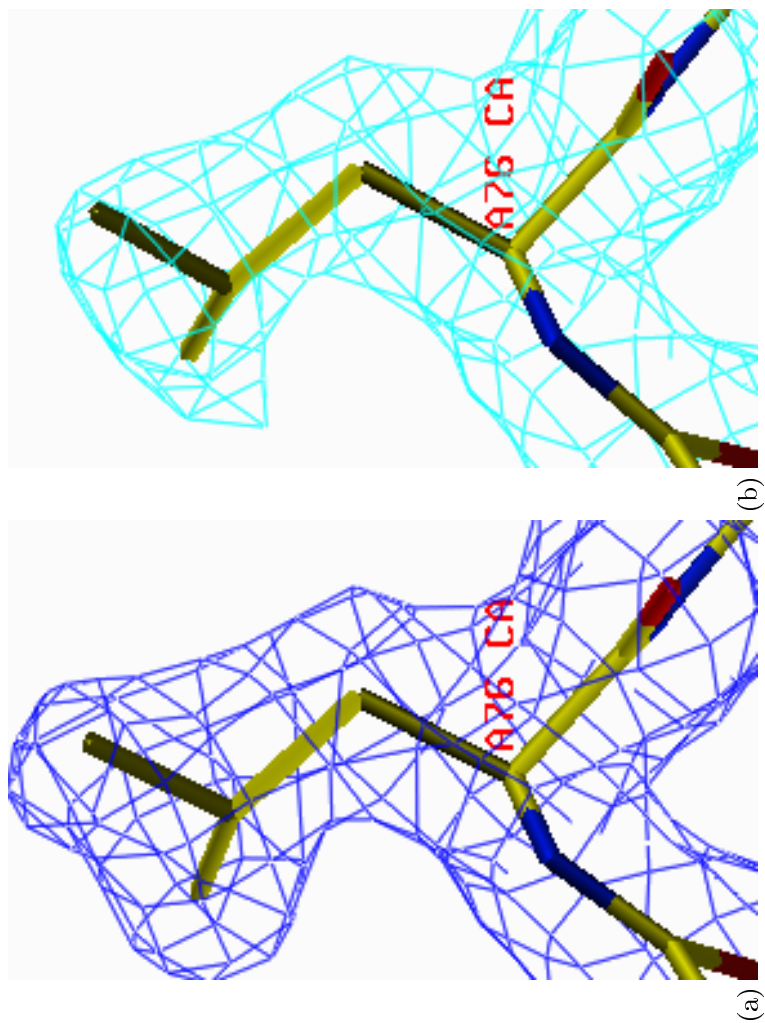


Figure 5: Section of 2Fo-Fc protein electron density map showing Leu A76 at 1 rms contour level, (a) space data-the residue is better. (b) earth data.

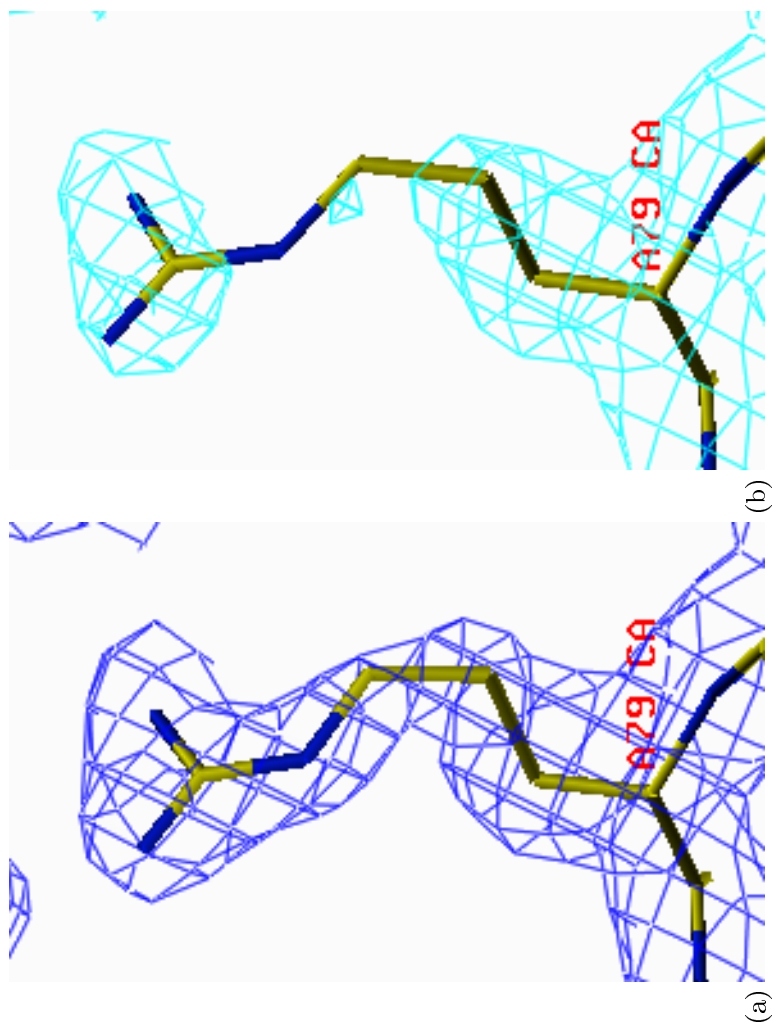


Figure 6: Section of 2Fo-Fc protein electron density map showing Arg. A79 at 1 rms contour level, (a) space data for which the density is better.
(b) earth data.

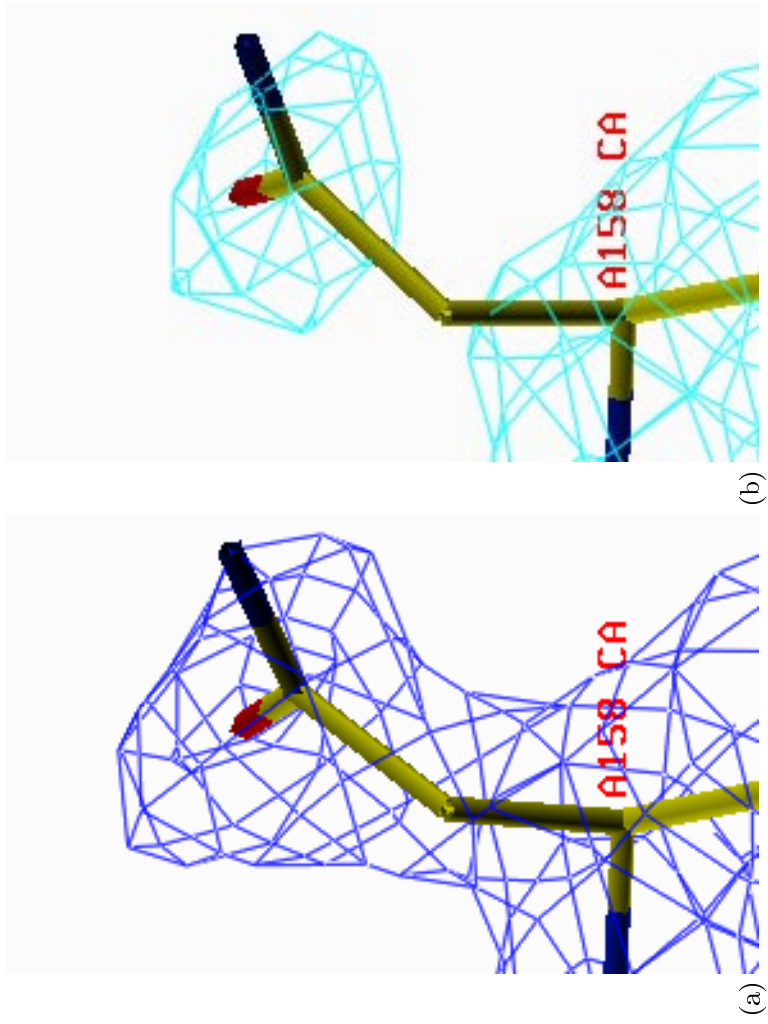


Figure 7: Section of 2Fo-Fc protein electron density map showing Asn A158 at 1 rms contour level, (a) space data for which the density is better. (b) earth data.

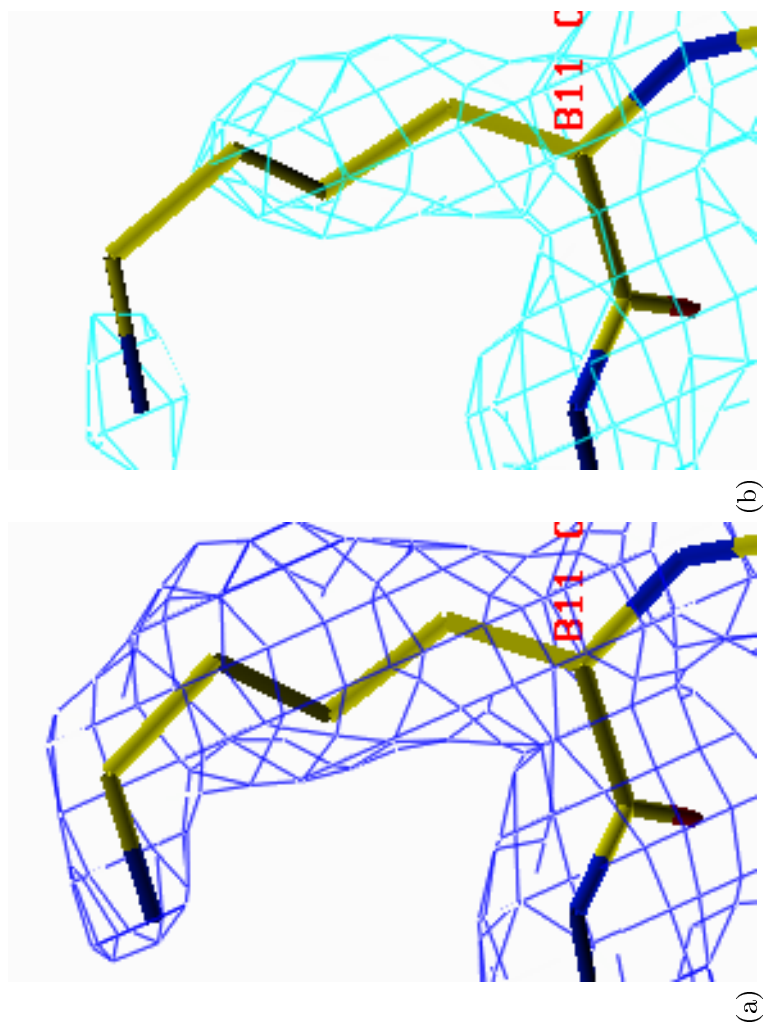


Figure 8: Section of 2Fo-Fc protein electron density map showing Lys B11 at 1 rms contour level, (a) space data for which the density is better. (b) earth data.

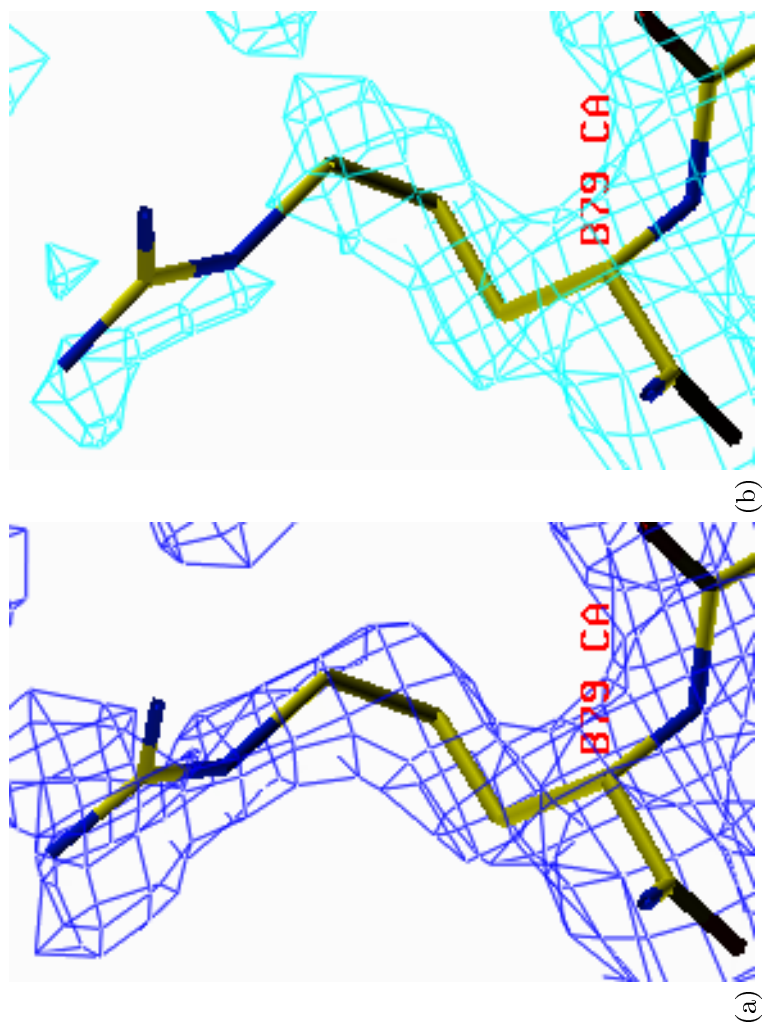


Figure 9: Section of 2Fo-Fc protein electron density map showing Arg B79 at 1 rms contour level, (a) space data for which the density is better. (b) earth data.

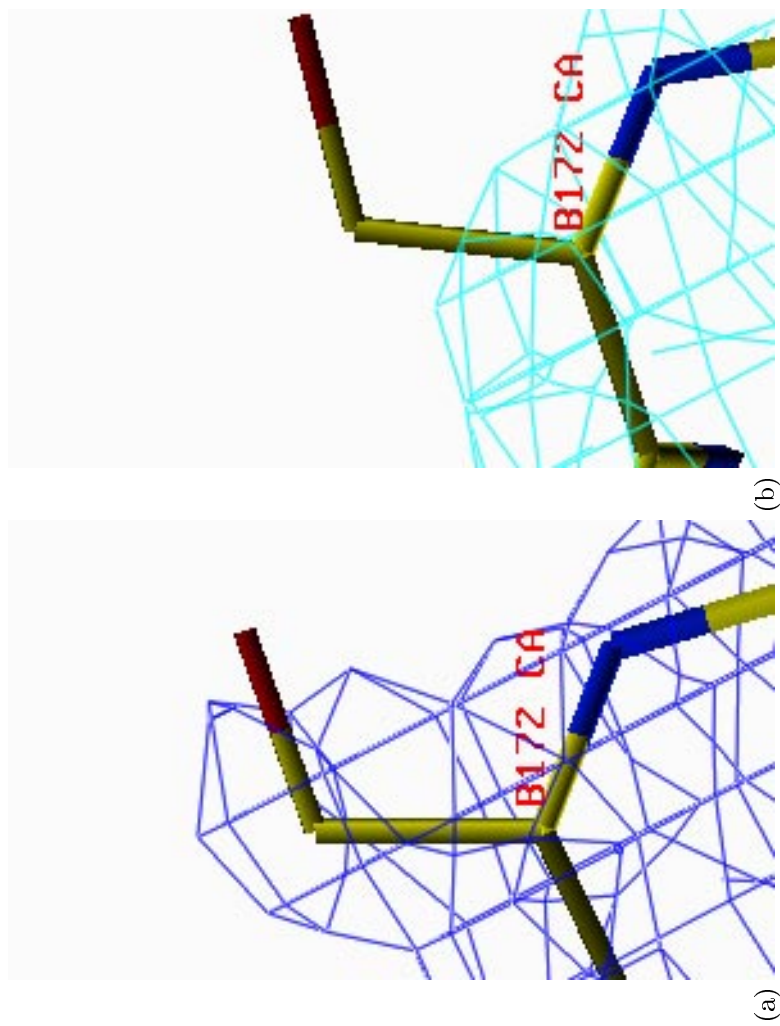


Figure 10: Section of 2Fo-Fc protein electron density map showing Ser B172 at 1 rms contour level, (a) space data for which the density is better. (b) earth data.

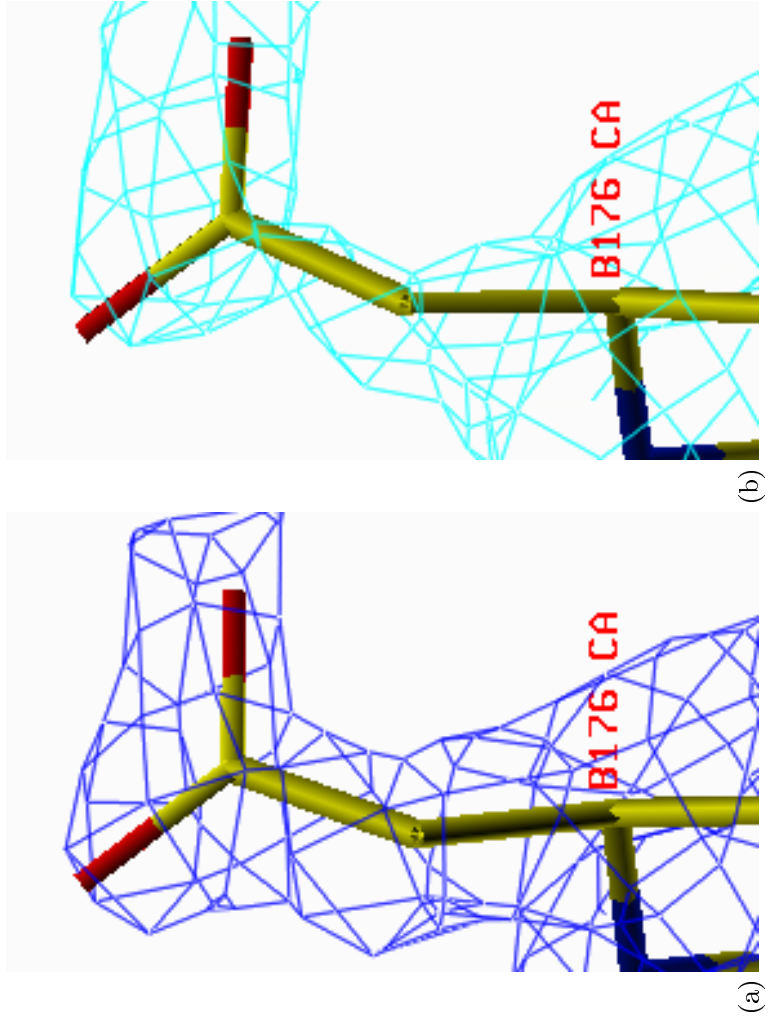


Figure 11: Section of 2Fo-Fc protein electron density map showing Asp B176 at 1 rms contour level, (a) space data for which the density is better. (b) earth data.

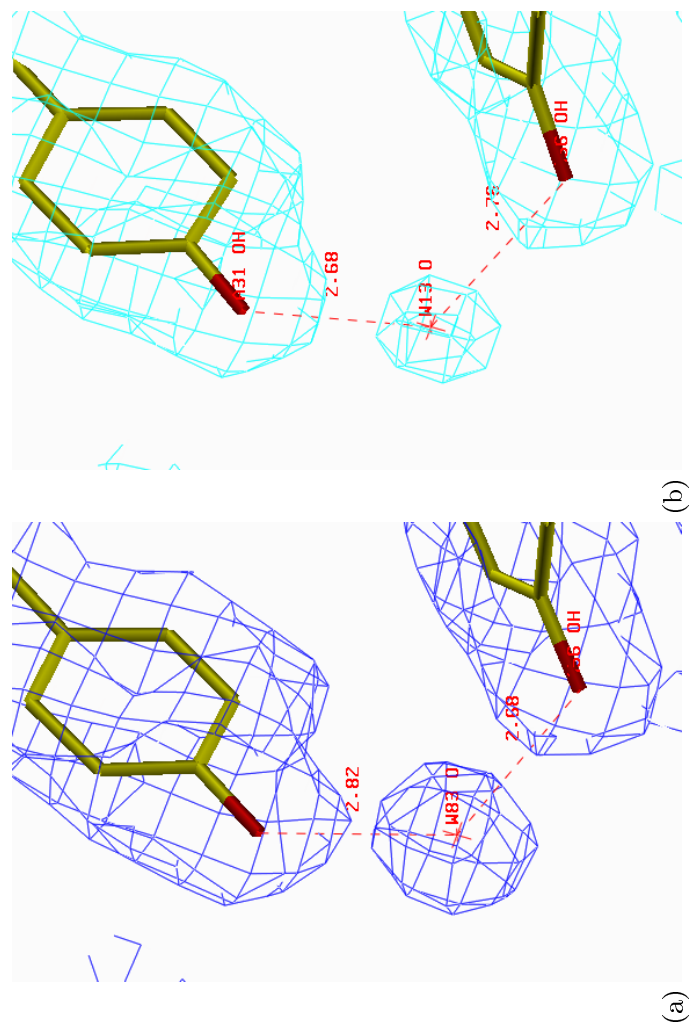


Figure 12: Section of 2Fo-Fc protein electron density map showing equivalent water at 1 rms contour level, (a) space data (water 83) for which the density is better. (b) earth data (water 13).

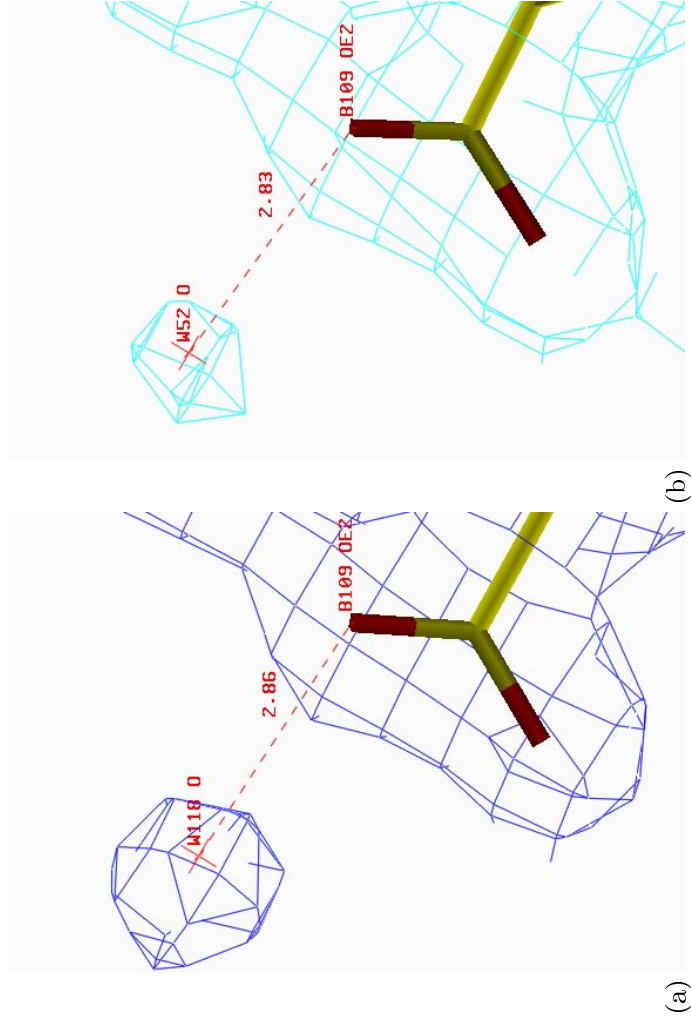


Figure 13: Section of 2Fo-Fc protein electron density map showing equivalent water at 1 rms contour level, (a) space data (water 118) for which the density is better. (b) earth data (water 52).

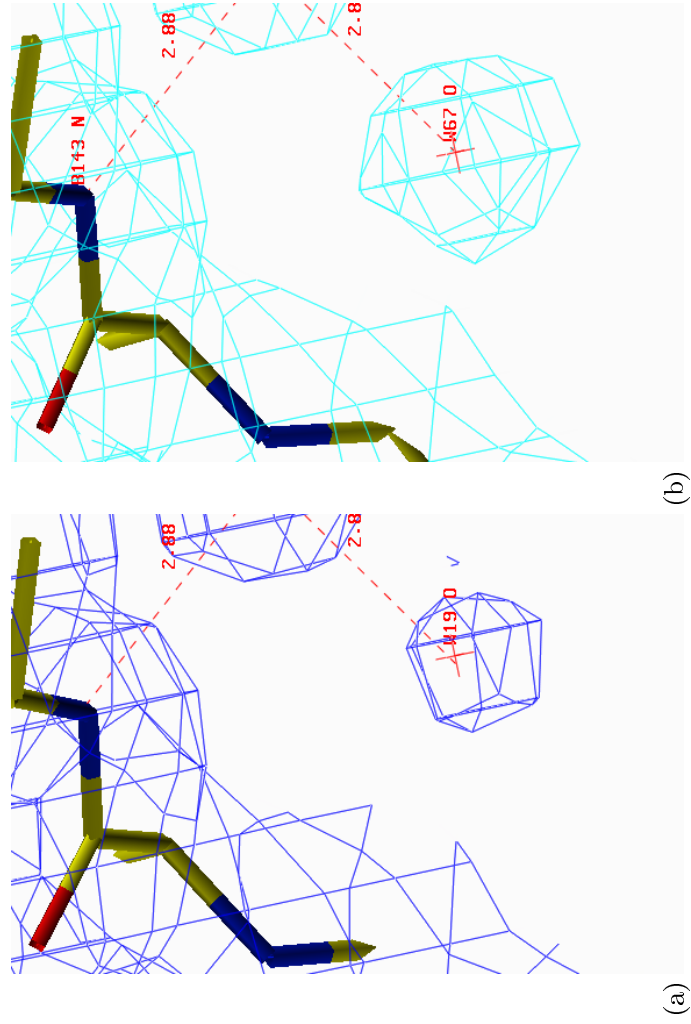


Figure 14: Section of 2Fo-Fc protein electron density map showing equivalent water at 1 rms contour level, (a) space data (water 19). (b) earth data (water 67) for which the density is better.

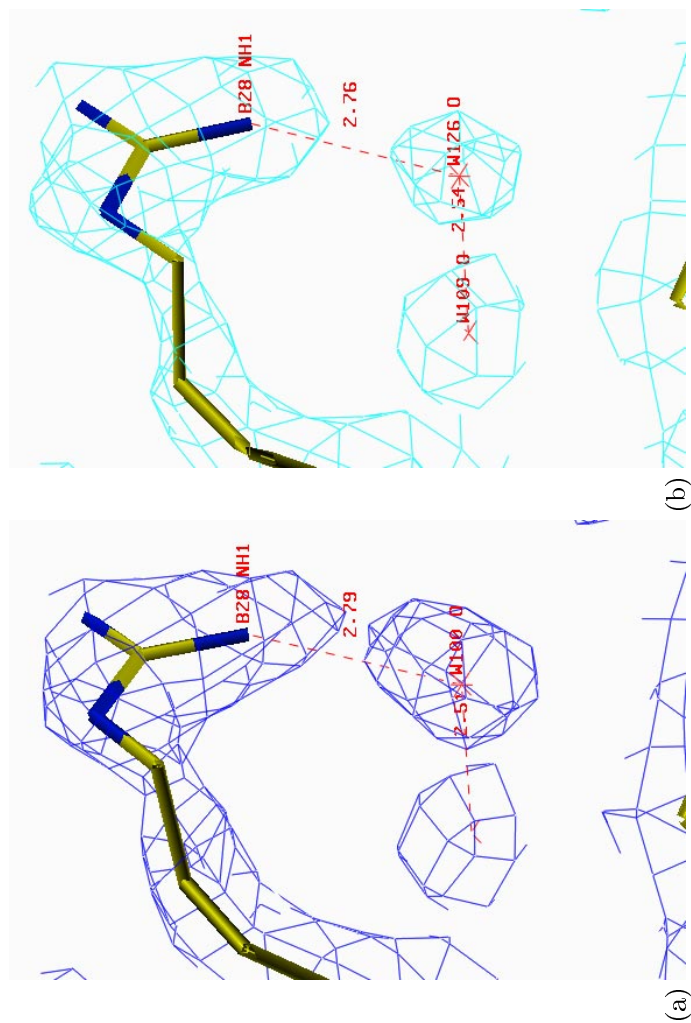


Figure 15: Section of 2Fo-Fc protein electron density map showing equivalent water at 1 rms contour level, (a) space data (water 100) for which the density is better. (b) earth data (water 126).

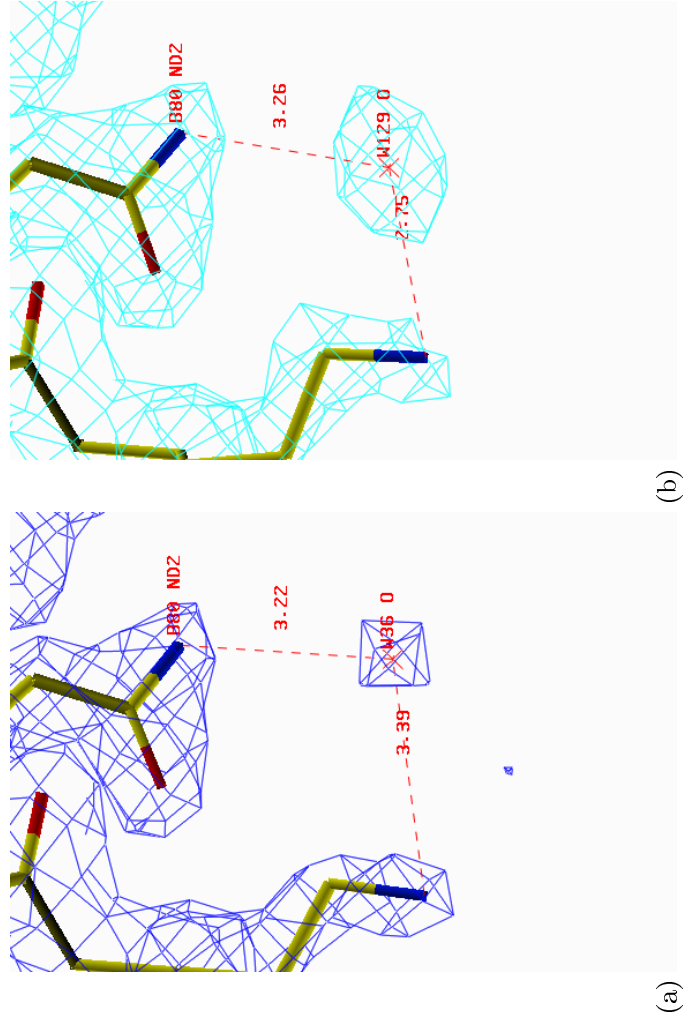


Figure 16: Section of 2Fo-Fc protein electron density map showing equivalent water at 1 rms contour level, (a) space data (water 36). (b) earth data (water 129) for which the density is better.

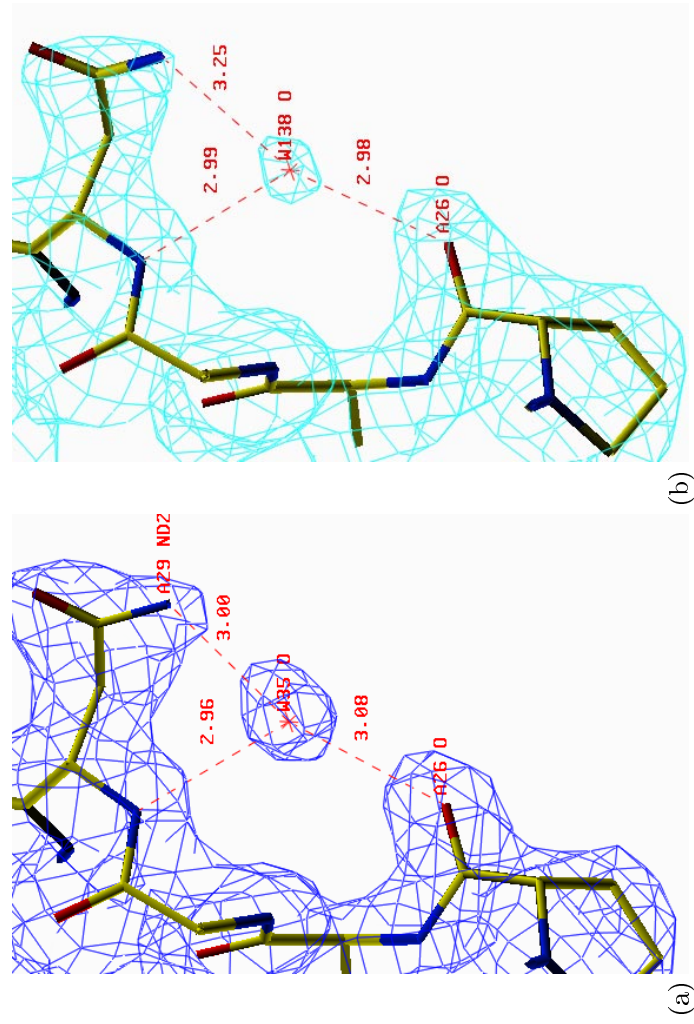


Figure 17: Section of 2Fo-Fc protein electron density map showing equivalent water at 1 rms contour level, (a) space data (water 35) for which the density is better. (b) earth data (water 138).

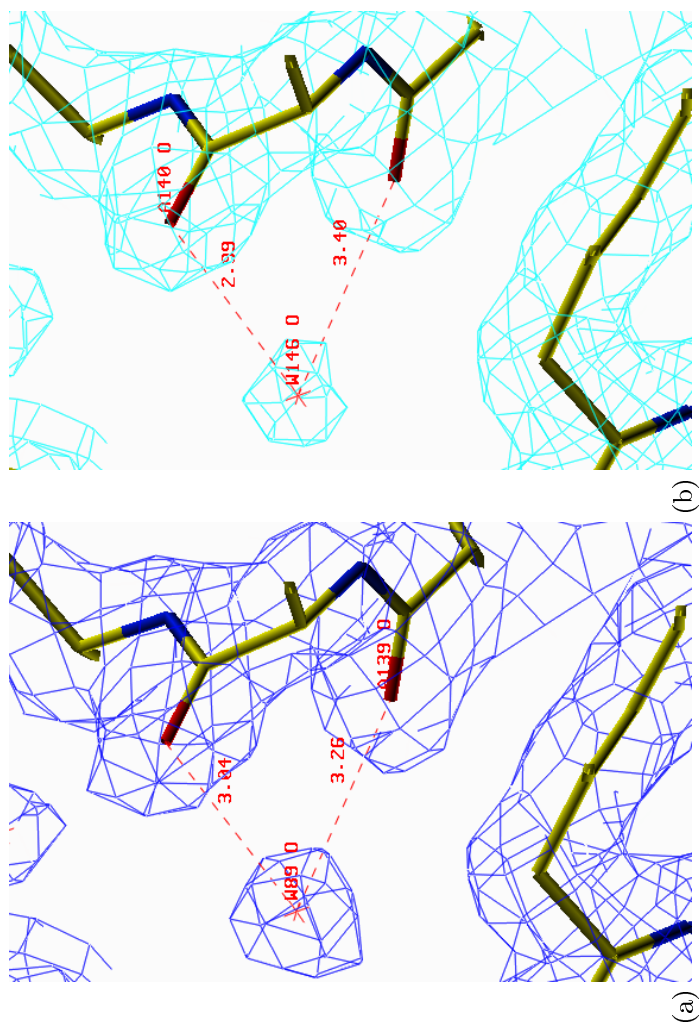


Figure 18: Section of 2Fo-Fc protein electron density map showing equivalent water at 1 rms contour level, (a) space data (water 89) for which the density is better. (b) earth data (water 146).

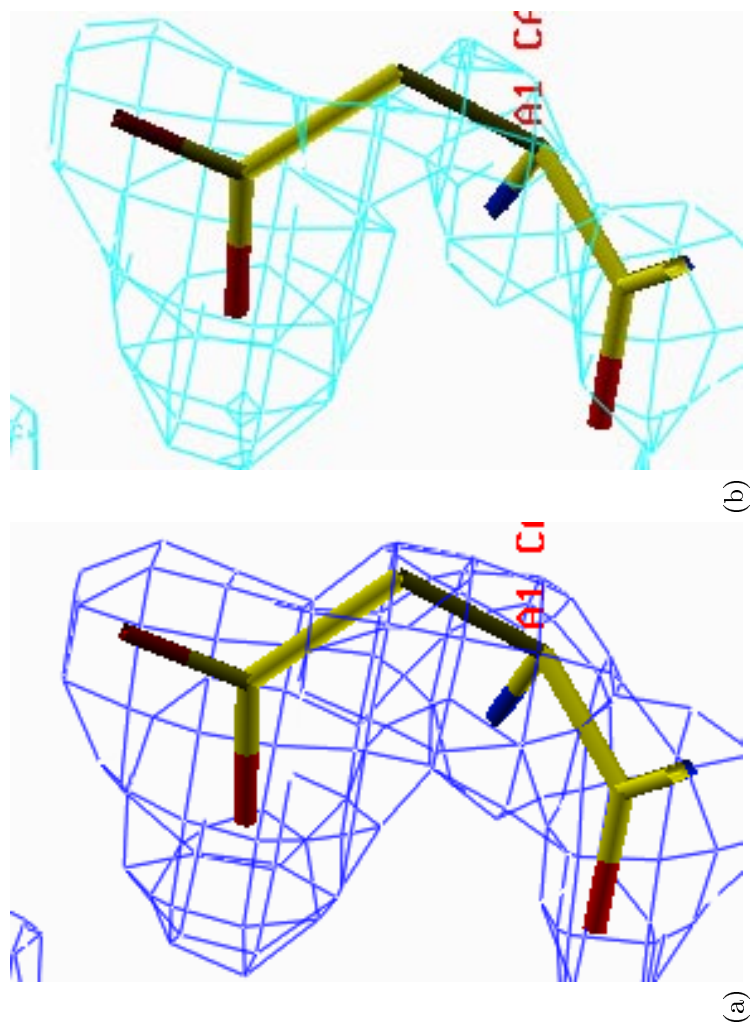


Figure 19: Section of 2Fo-Fc protein electron density map using common reflections showing Asp A1 at 1 rms contour level, (a) space data for which the density is better. (b) earth data.

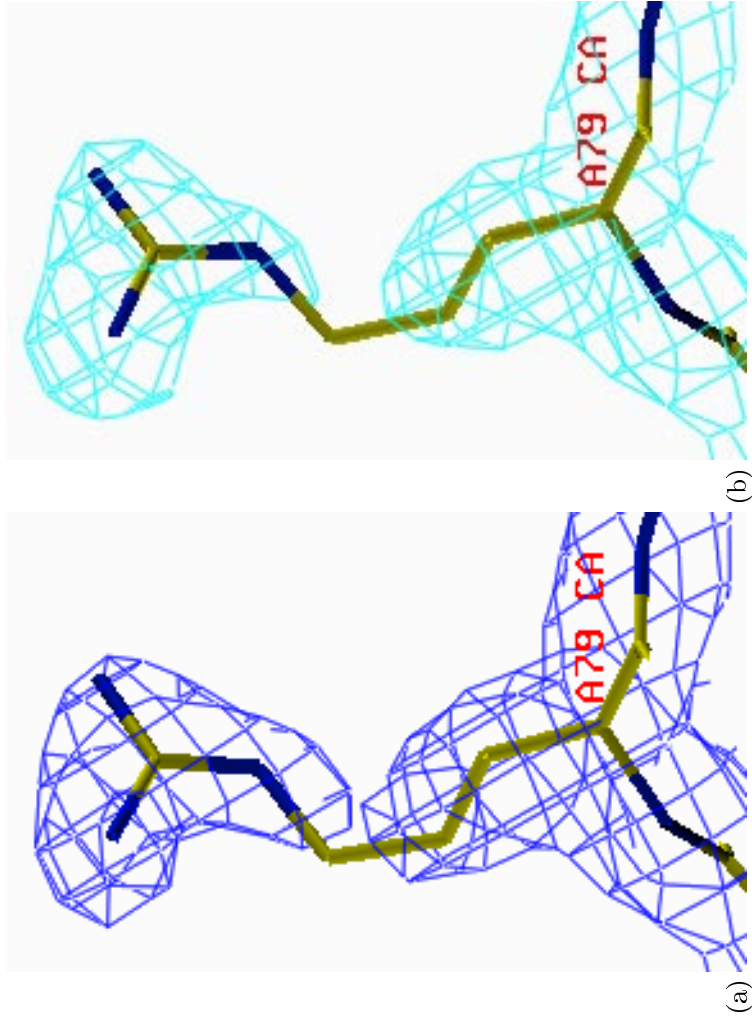


Figure 20: Section of 2Fo-Fc protein electron density map using common reflections showing Arg A79 at 1 rms contour level, (a) space data for which the density is better. (b) earth data.

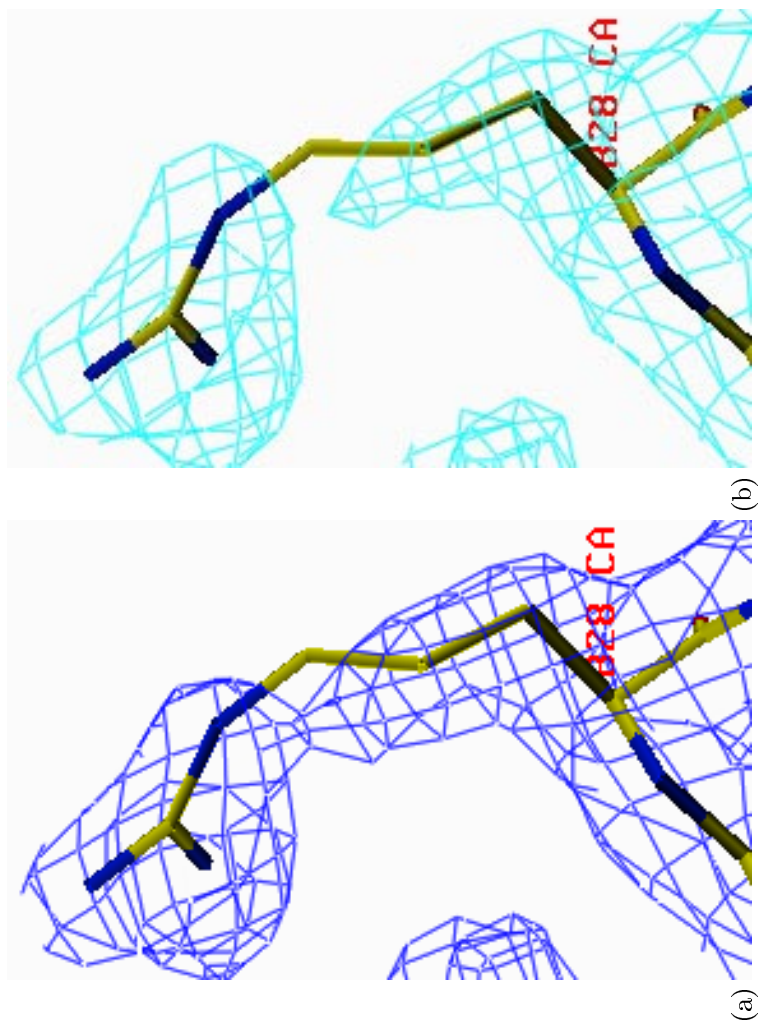


Figure 21: Section of 2Fo-Fc protein electron density map using common reflections showing Arg B28 at 1 rms contour level, (a) space data for which the density is better. (b) earth data.

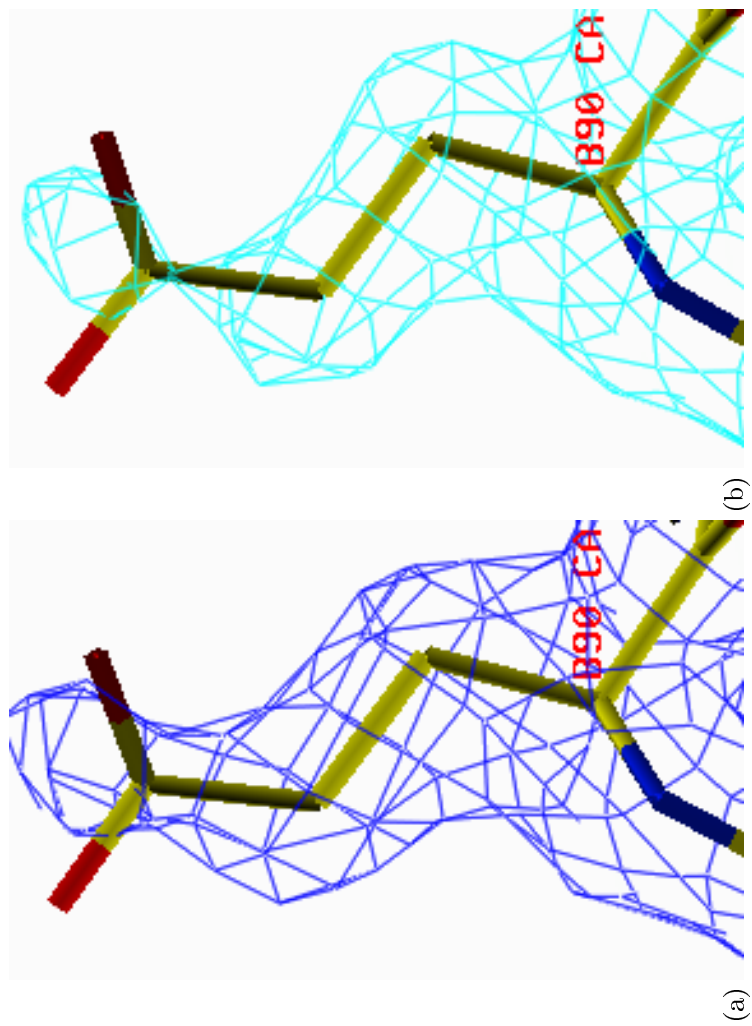


Figure 22: Section of 2Fo-Fc protein electron density map using common reflections showing Glu B90 at 1 rms contour level, (a) space data for which the density is better. (b) earth data.

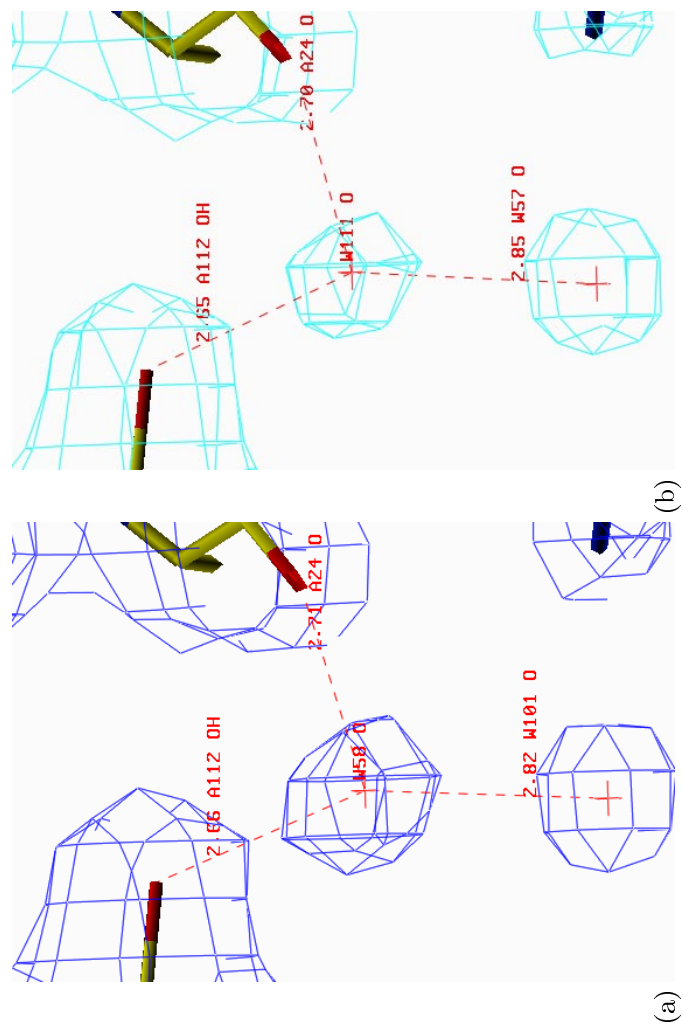


Figure 23: Section of 2Fo-Fc protein electron density map using common reflections showing equivalent water at 1 rms contour level, (a) space data (water 58) for which the density is better. (b) earth data (water 111).

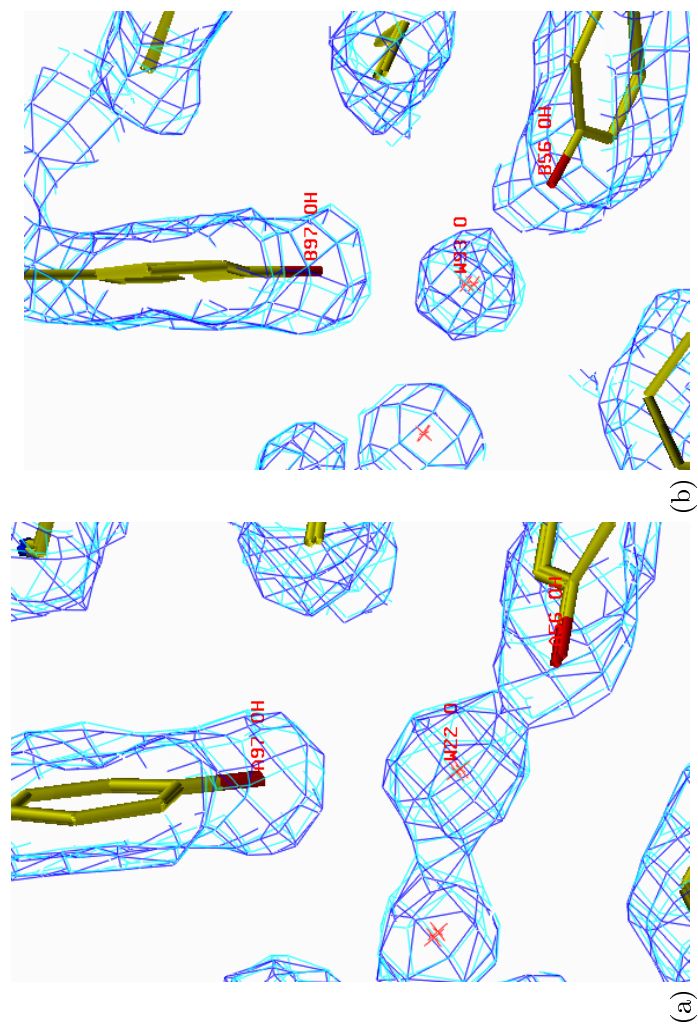


Figure 24: Section of 2Fo-Fc protein electron density map showing overlapped models and densities for the space and earth data when using common reflections at 1 rms contour level, (a) key water where astaxanthin binds in chain A (space water 22=earth water 104). (b) key water where astaxanthin binds in chain B (space water 93=earth water 85). The electron density quality of space and earth here are the same, in (a) and (b).