



Cross-phase difference Fourier maps, calculated for the same crystals of cytochrome *c* as those illustrated in Figure 13-36. All three maps are on the same scale; contours are indicated at lower right; heights of major peaks are indicated at lower left. The origin is at upper left; only one-half a unit cell in each direction is shown. (a) Difference map calculated with Pt amplitudes and protein phases determined from Hg derivative. A true Pt site is indicated by X, a questionable site by +, and a false site by Δ . (b) Difference map calculated with Hg amplitudes and protein phases calculated for Pt derivatives. The mercury site is at lower left. (c) Map for double derivative, using average protein phases from several sets of metal derivatives. [From R. E. Dickerson et al., *J. Mol. Biol.* 29:77 (1967).]