Acta Crystallographica Section B
Structural Science
ISSN2052-5206

Supporting information

1 Entire observed and calculated diffraction sections.

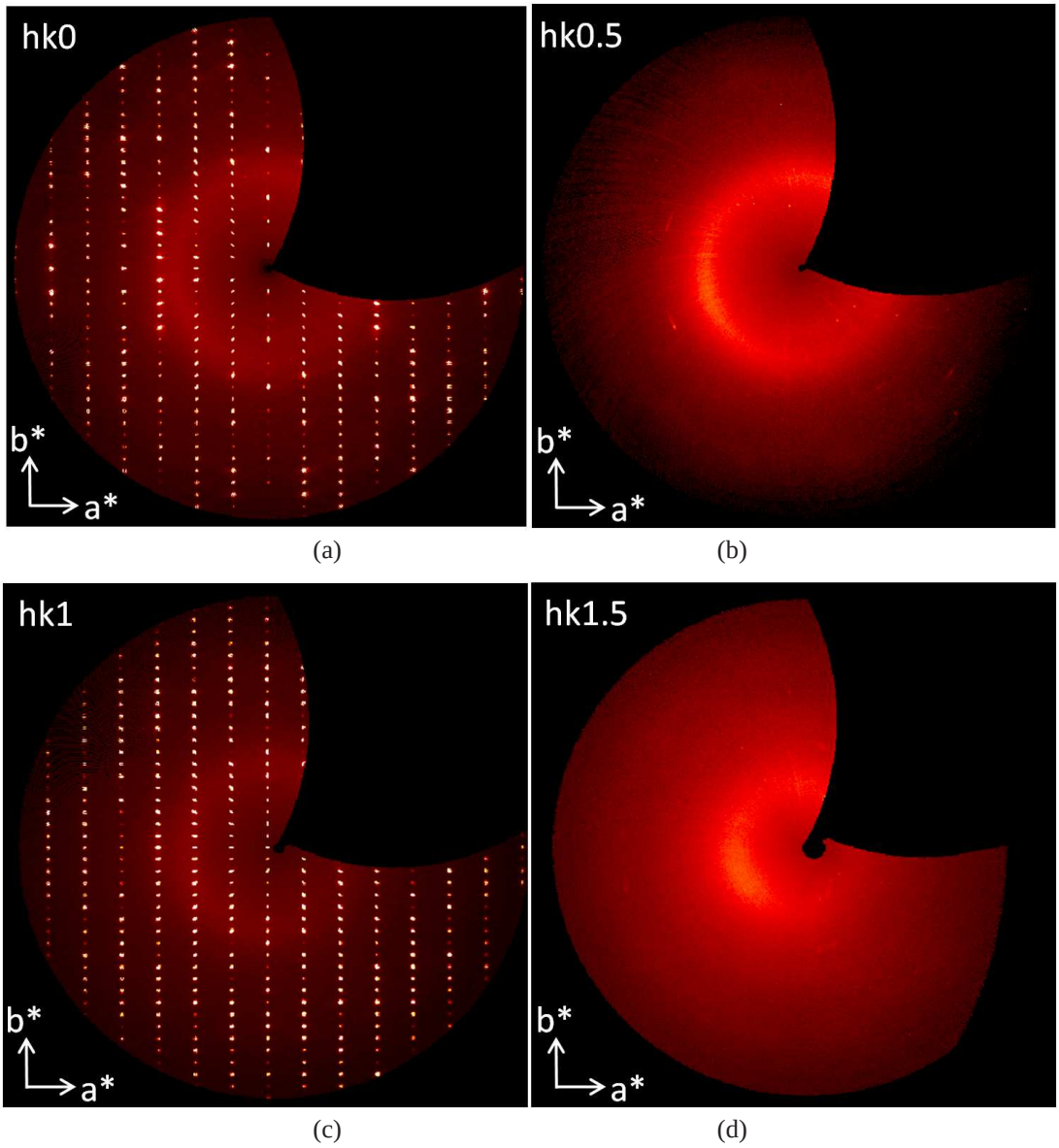


Figure 1
Observed recipricol space reconstructions down *c* prior to drying (a) *hk*0 (b) *hk*0.5 (c) *hk*1 (d) *hk*1.5

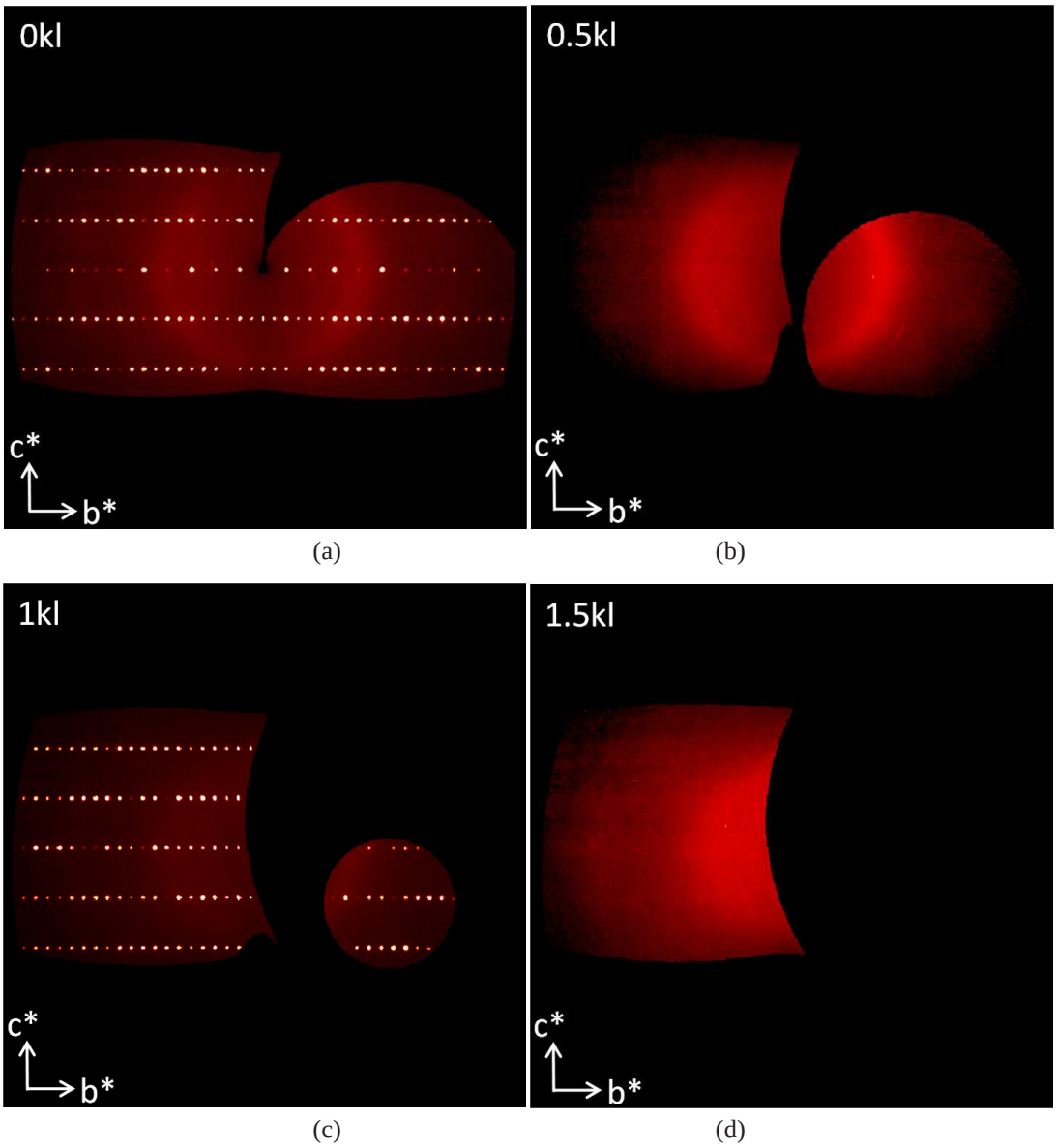


Figure 2
Observed recipricol space reconstructions down *a* prior to drying (a) 0*kl* (b) 0.5*kl* (c) 1*kl* (d) 1.5*kl*

IUCr macros version 2.0β13: 2003/12/24

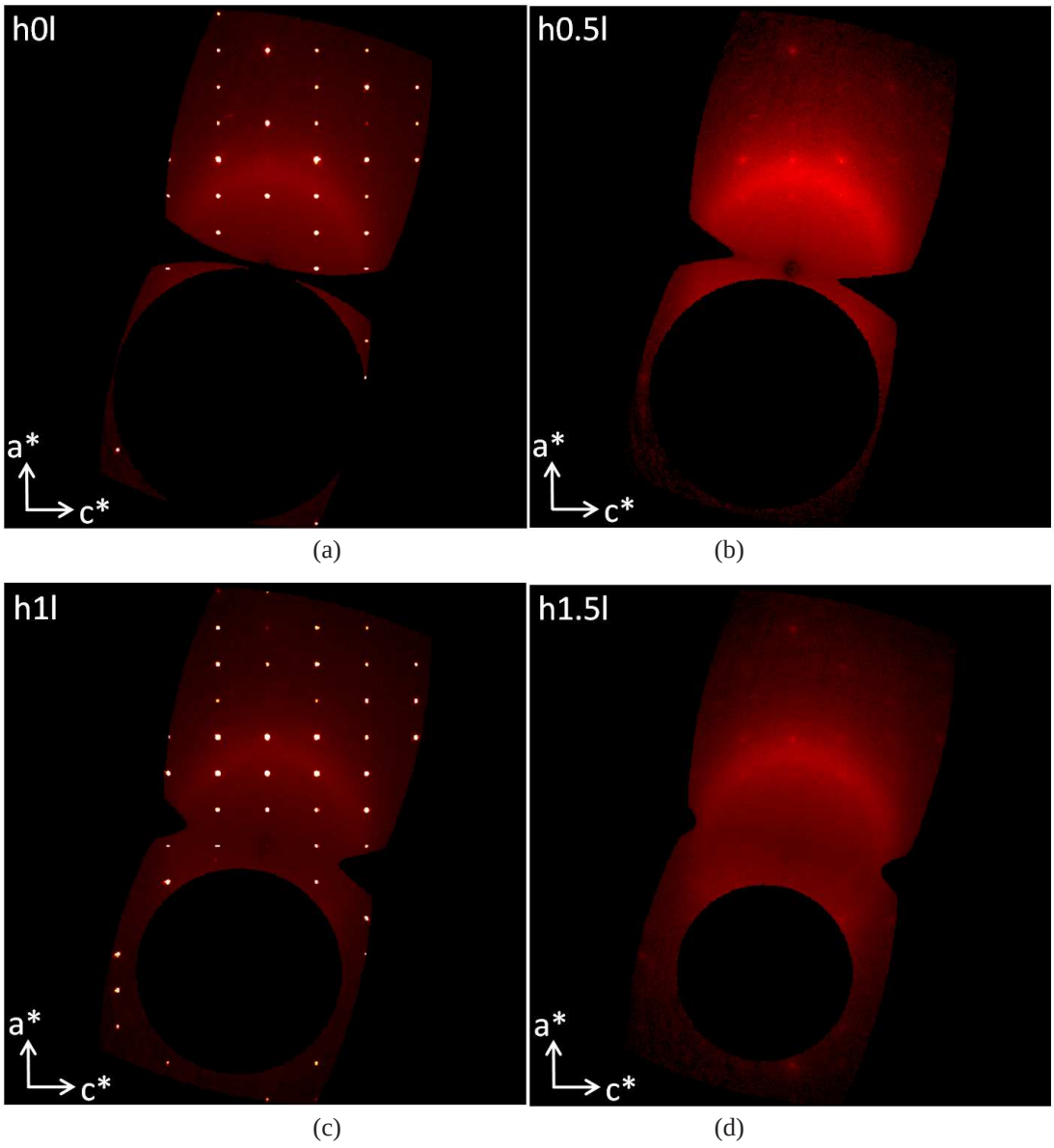


Figure 3
Observed recipricol space reconstructions down *b* prior to drying (a) *h*0*l* (b) *h*0.5*l* (c) *h*1*l* (d) *h*1.5*l*

IUCr macros version 2.0β13: 2003/12/24

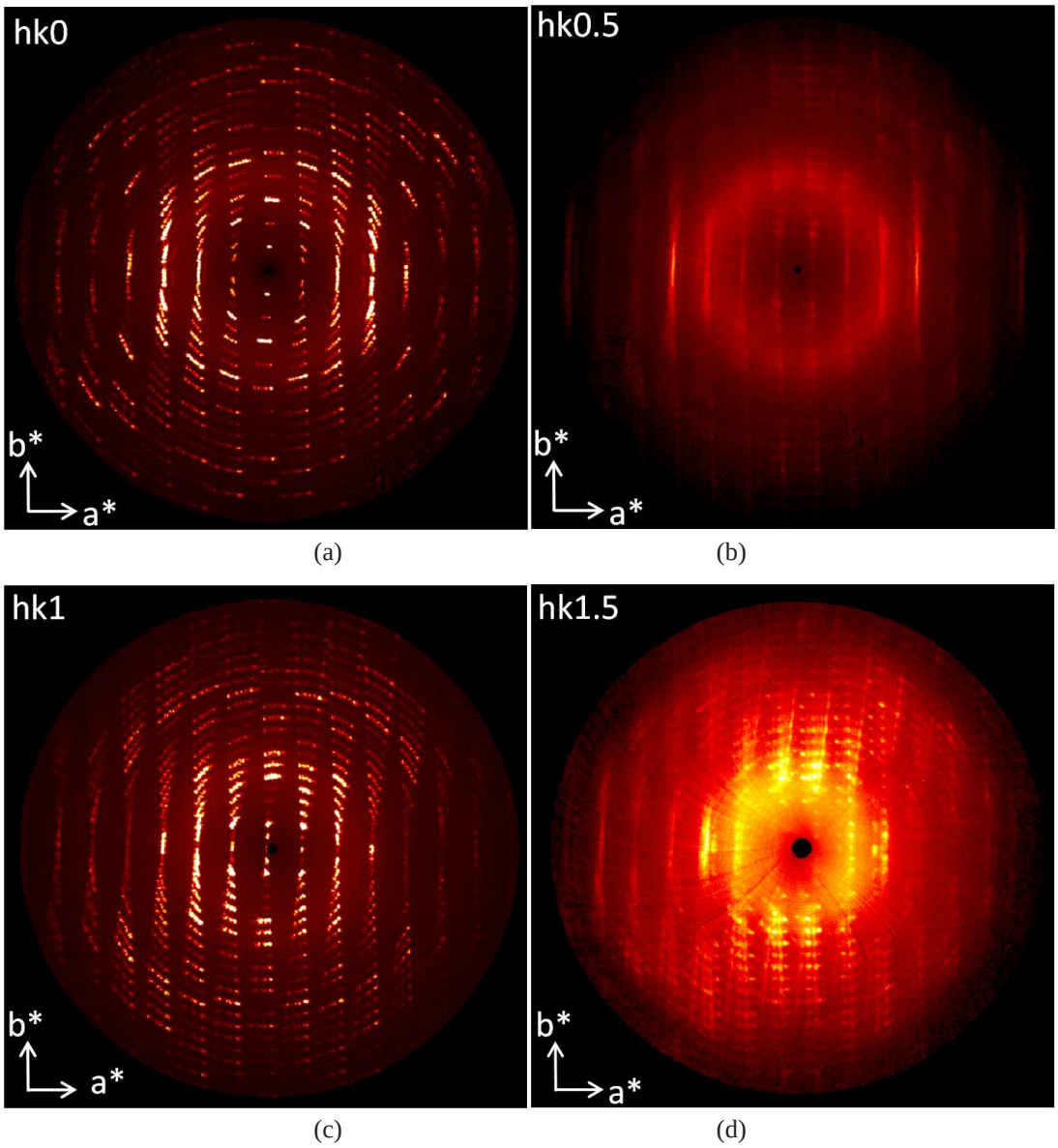


Figure 4
Observed recipricol space reconstructions down *c* after drying the crystal (a) *hk*0 (b) *hk*0.5 (c) *hk*1 (d) *hk*1.5

IUCr macros version 2.0β13: 2003/12/24

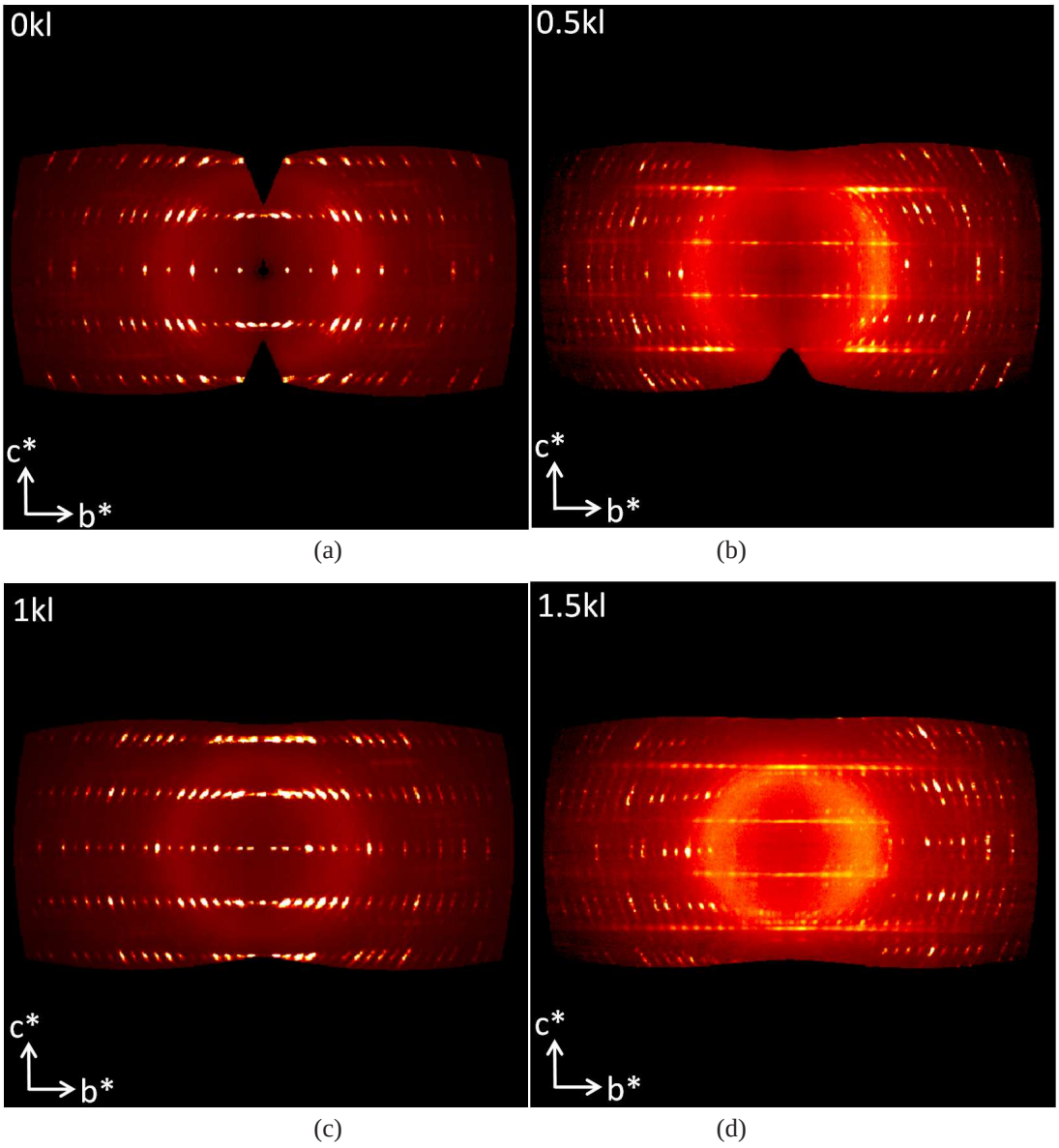


Figure 5
Observed recipricol space reconstructions down *a* after drying the crystal (a) 0*kl* (b) 0.5*kl* (c) 1*kl* (d) 1.5*kl*

IUCr macros version 2.0β13: 2003/12/24

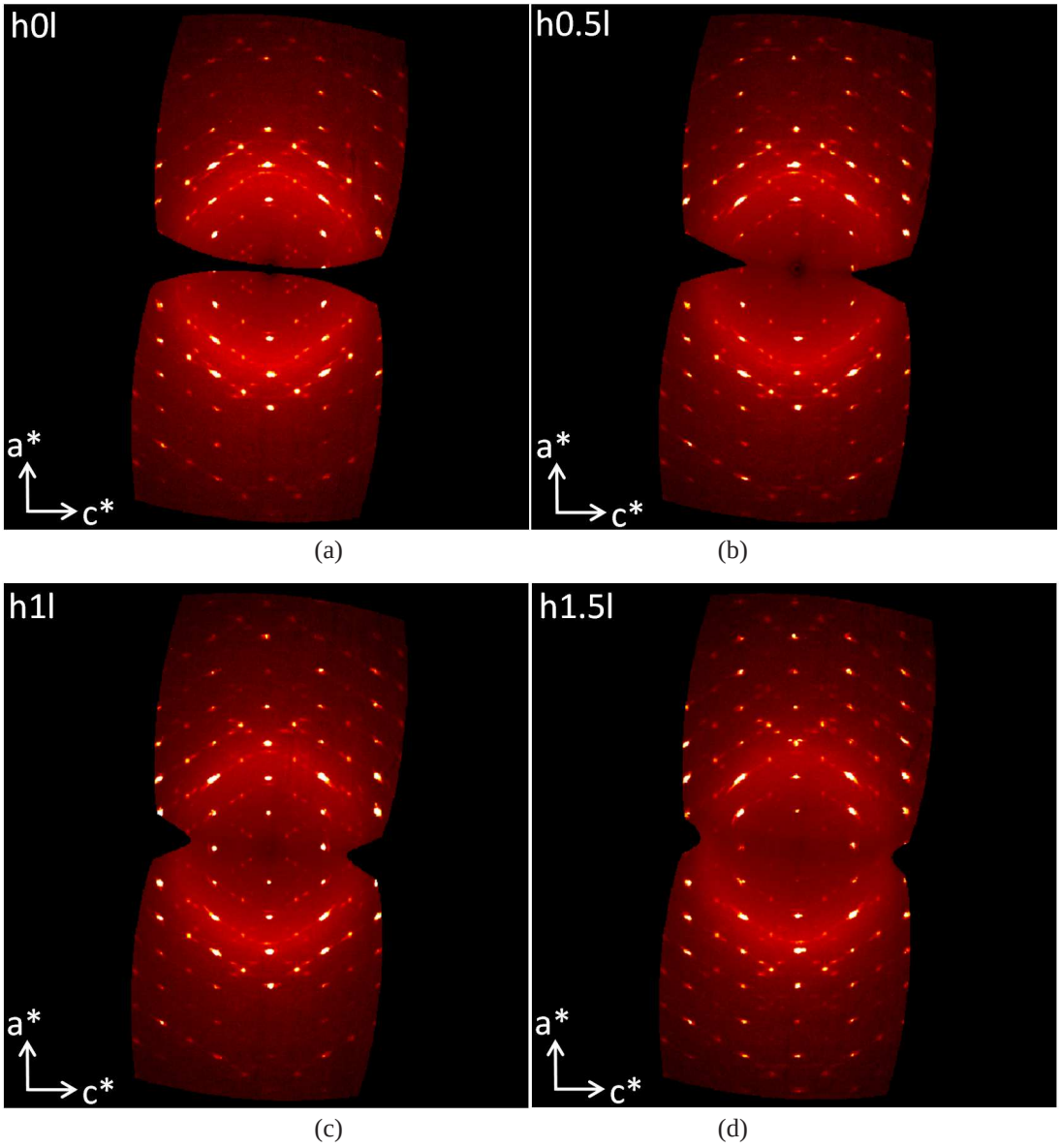


Figure 6
Observed recipricol space reconstructions down *b* after drying the crystal (a) *h*0*l* (b) *h*0.5*l* (c) *h*1*l* (d) *h*1.5*l*

IUCr macros version 2.0β13: 2003/12/24

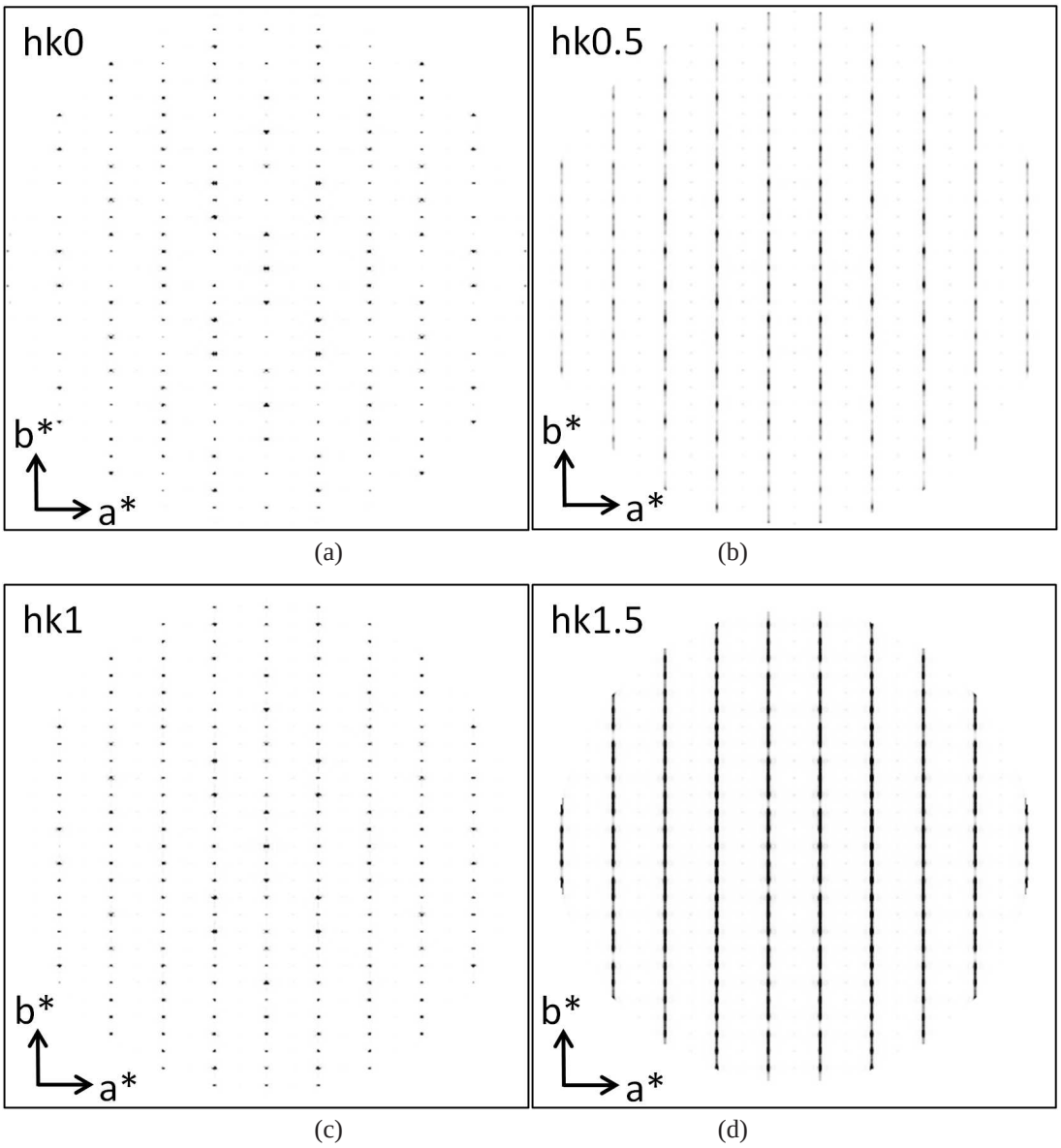


Figure 7
Calculated recipricol space sections (down *c*) from the final model as described in the text (a) *hk*0 (b) *hk*0.5 (c) *hk*1 (d) *hk*1.5

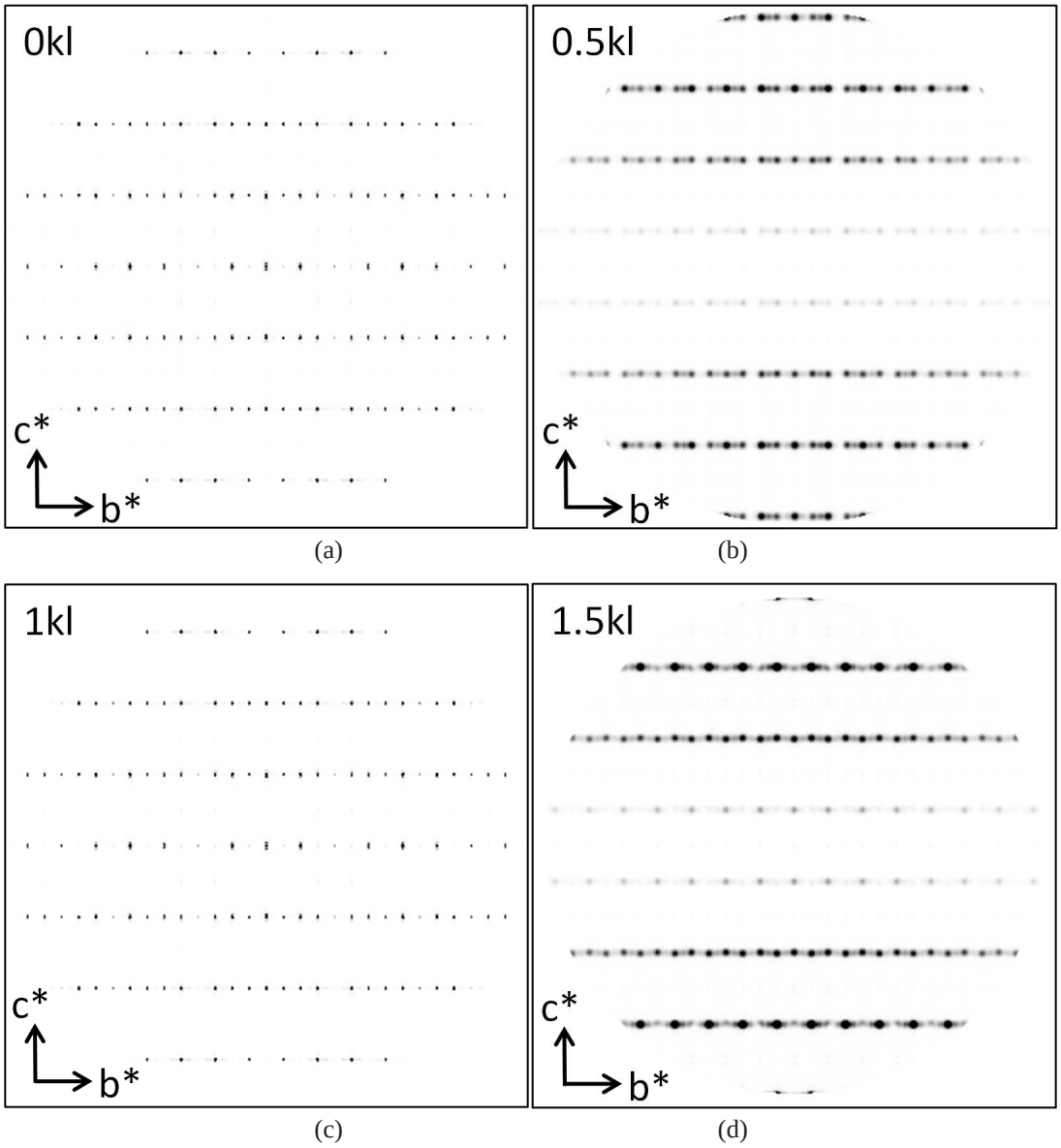


Figure 8
Calculated recipricol space sections (down *a*) from the final model as described in the text (a) 0*kl* (b) 0.5*kl* (c) 1*kl* (d) 1.5*kl*

IUCr macros version 2.0β13: 2003/12/24

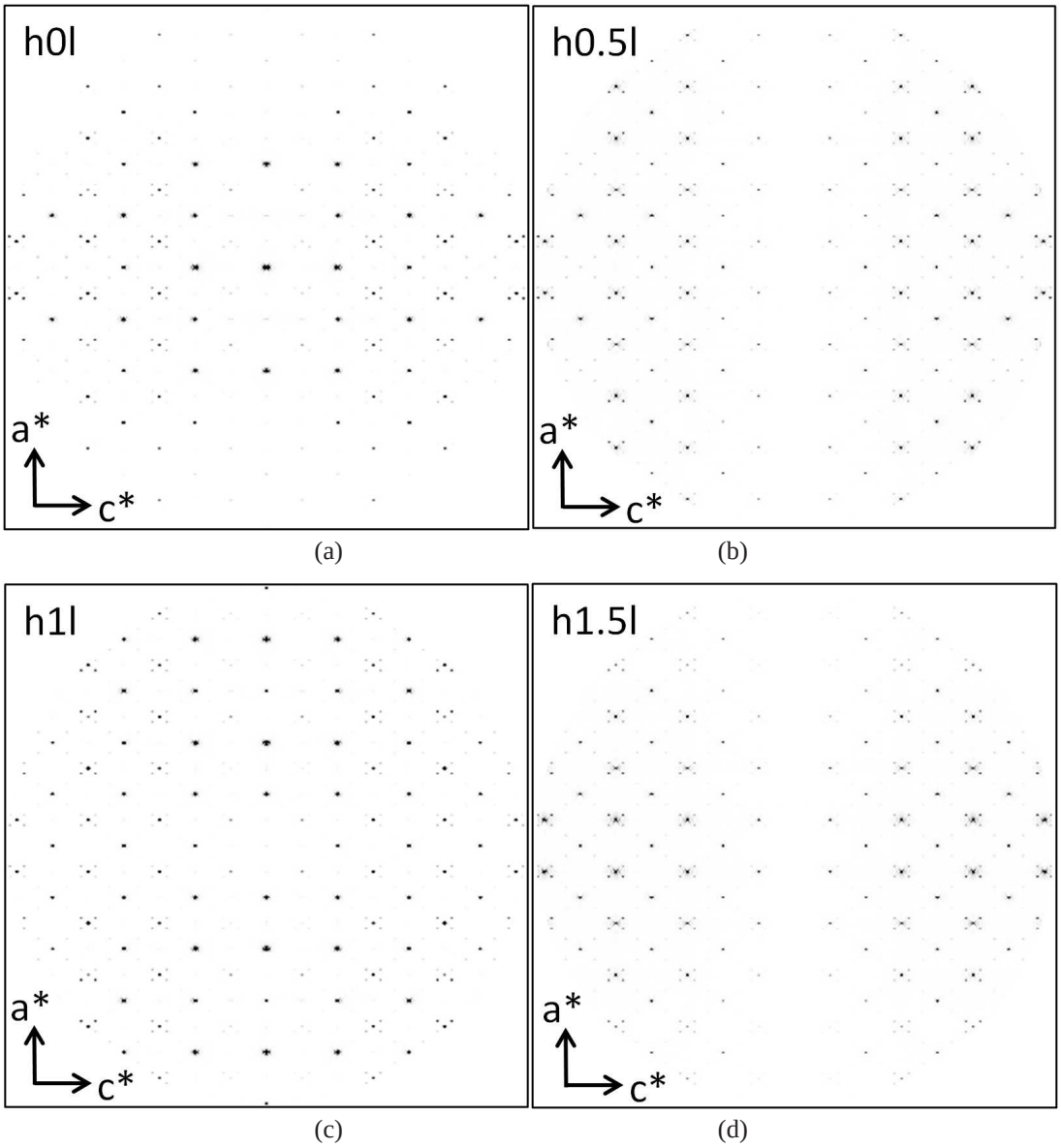


Figure 9
Calculated recipricol space sections (down *b*) from the final model as described in the text. *h*0.5*l* and *h*1.5*l* have intensity scaled with the other images for clarity. (a) *h*0*l* (b) *h*0.5*l* (c) *h*1*l* (d) *h*1.5*l*

IUCr macros version 2.0β13: 2003/12/24

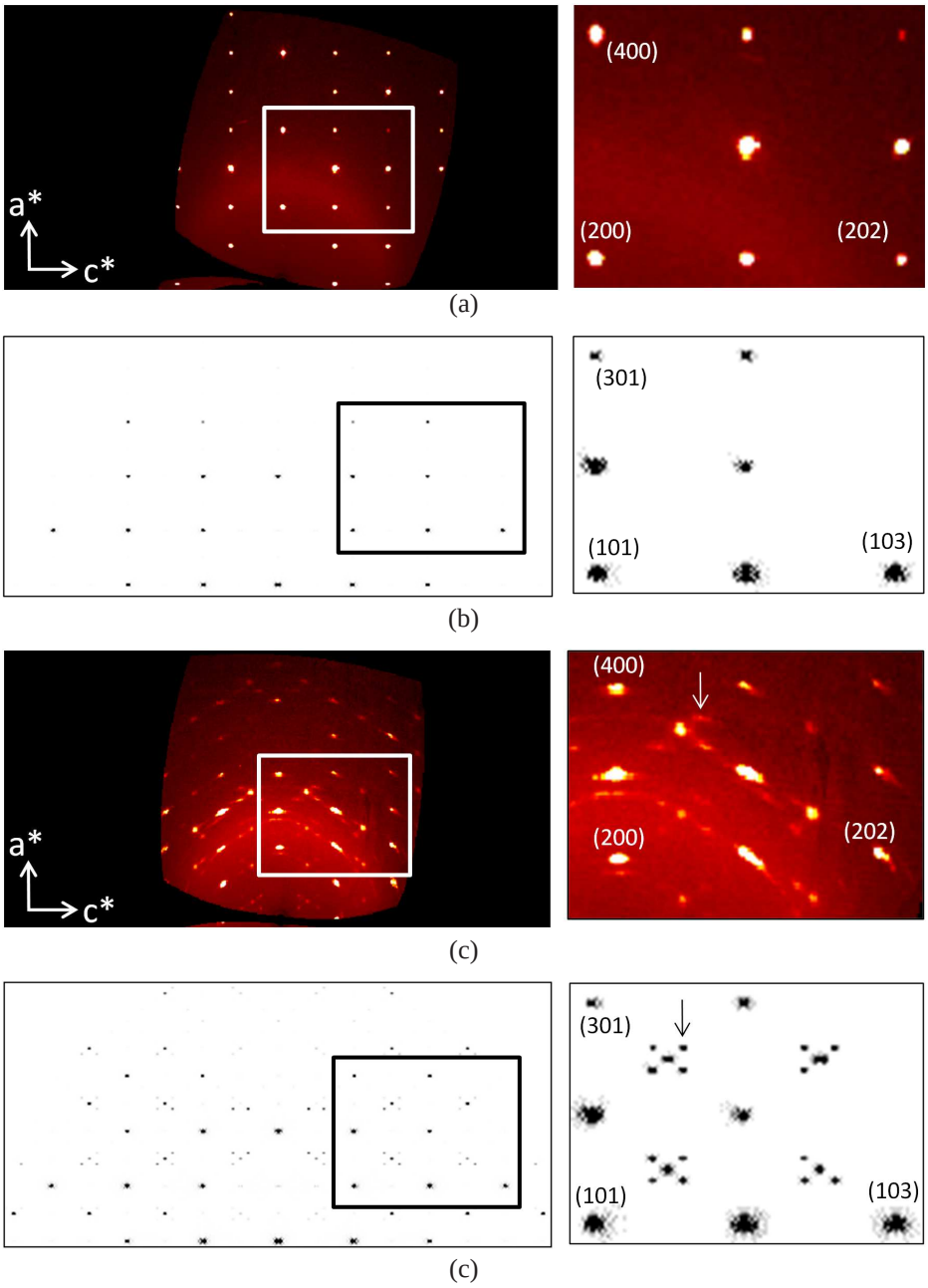
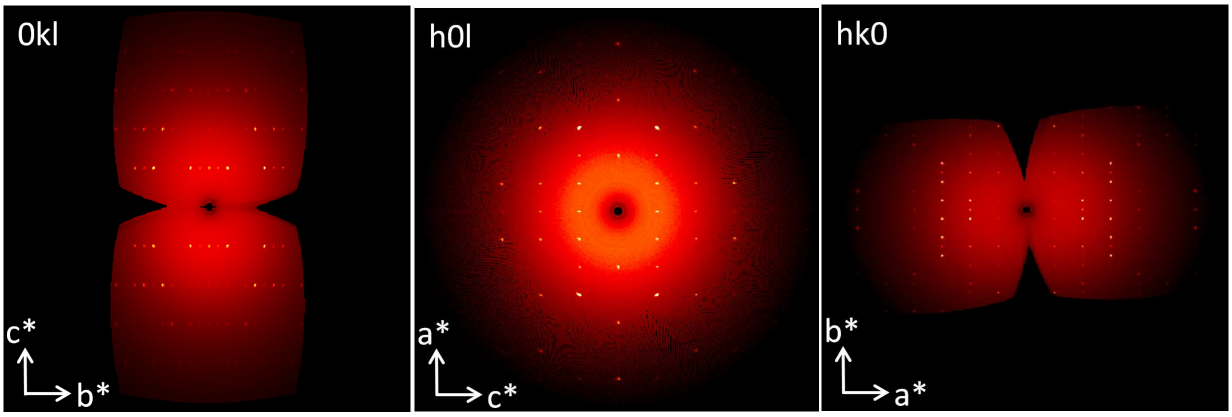


Figure 10
Observed and calculated *h*0*l* sections depicting the ($h-1$,0,$l+1$) offset used for the zoom box in the calculated section. (a) and (b) are the respective observed and calculated upper hemisphere prior to drying. (c) and (d) are the corresponding hemispheres after drying. Given that two wave-vector modulations exist, the satellite indicated by the white arrow is at position (4 0 1 -1 0) with the satellite indicated by the black arrow at position (3 0 2 -1 0).

IUCr macros version 2.0β13: 2003/12/24



(a) (b) (c)

Figure 11
Calculated precession images from a small fragment broken from the bigger, now de-solvated, crystal. Smaller fragments are still the parent hemi-sulfate dihydrate structure. Cell parameters are a = 10.83(1), b = 32.98(4) c = 7.88(1) $\alpha = \beta = \gamma$ = 90.0 taken from the .p4p file. (a) 0*kl* (b) *h*0*l* (c) *hk*0.

IUCr macros version 2.0β13: 2003/12/24