

# Coot Crib Sheet

January 7, 2009

## 1 Keyboard

### 1.1 Dialog Shortcuts

F5 Post Model/Fit/Refine dialog  
F6 Post Go To Atom window  
F7 Post Display Control Window  
F8 Raster3D "Screenshot"

### 1.2 Previous/Next Residue

"Space" Next Residue  
"Shift" "Space" Previous Residue

### 1.3 Closest Residue

"P" go to an atom of the closest residue (the "CA" atom if the residue has one)

### 1.4 Next NCS Chain

"O" - other NCS chain.

### 1.5 Previous/Next Rotamer

When in "Rotamer" mode, these keyboard short-cuts are available<sup>1</sup>:

"," Next Rotamer  
",," Previous Rotamer

### 1.6 Keyboard Chi Angles

Instead of pressing the buttons in the Chi Angles button box, you can use keyboard "1" for Chi1, "2" for Chi2 *etc.*

### 1.7 Keyboard Contouring

Use + or - to change the contour level

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<sup>1</sup>note: focus must be in the graphics window, not the Rotamer dialog

### 1.8 Keyboard Labelling

"l" to label closest atom

### 1.9 Keyboard Go To Residue

Ctrl-G then key in a residue number and (optionally) a chain-id and press Return

### 1.10 Keyboard Translation

Keypad 3 Push View (+Z translation)  
Keypad . Pull View (-Z translation)

### 1.11 Keyboard Undo

Ctrl-Z Undo last modification  
U Undo last move/navigation

### 1.12 Keyboard Zoom and Clip

N Zoom out  
M Zoom in  
D Slim clip  
F Fatten clip

### 1.13 Crosshairs

C: cross-hairs

### 1.14 Skeleton

S: Generate skeleton around current point<sup>2</sup>

### 1.15 Continuous Rotate

I: Toggle continuous spin

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<sup>2</sup>if a skeleton is being displayed

## 1.16 Baton Mode

B: toggle into baton rotate mode<sup>3</sup>

## 2 Mouse

Mouse actions are occasionally augmented with keyboard modifiers:

Left-mouse Drag	Rotate view
Ctrl Left-Mouse Drag	Translates view
Shift Left-Mouse Click	Label Atom
Right-Mouse Drag	Zoom in and out
Shift Right-Mouse Drag	Change clipping and Translate in Screen The movement is along orthogonal axes: up+right/down+left shifts in z, up+left/down+right changes the slab
Ctrl Shift Right-Mouse Drag	Rotate View about Screen Z
Middle-mouse Click	Centre on atom
Scroll-wheel Forward	Increase map contour level
Scroll-wheel Backward	Decrease map contour level

Intermediate (white) atoms can be dragged around by clicking on them:

Left-mouse Drag:	Move all intermediate atoms by linear shear
Left-mouse Drag with "A" key:	as above with non-linear shear
Left-mouse Drag with "Ctrl":	Move a single atom

## 3 Refinement Extras

Use "A" to define a residue range<sup>4</sup> with a single-click. Useful in Refinement and Regularization.

- Click "Real Space Refine Zone"
- Click on an atom
- Press the "A" key

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<sup>3</sup>rather than view rotate mode

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<sup>4</sup>+/- n residues from the current residue