

### 3D PUPPETRY MOUSE AND KEYBOARD CONTROLS

#### Camera controls:

Pan: right-click mouse and drag  
Rotate: left-click mouse and drag  
Zoom: scroll wheel

#### Activate lighting controls: L (shift-l)

Increase/decrease ambient term: F1 / F2  
Increase/decrease diffuse term: F3 / F4  
Toggle shadows: d

#### Light position:

Translate in x and y: arrow keys  
Move along z axis: pg-up / pg-down

#### Activate background controls: B (shift-b)

Move background up/down (along z-axis): pg-up / pg-down  
Translate background in x and y: arrow keys  
Iterate through sets: b

#### SIFT-scanning commands:

##### Colorization:

Splat colors from Kinect cloud onto model: k  
Spread captured colors across model: K (shift-k)  
Save colorized model: l

##### Saving SIFT templates:

Grab SIFT template image, pose, and depth map: s

#### Animation Controls:

Record first animation layer: r  
Record second animation layer: R (shift-r)  
Playback animation: p  
Clear all animations: \_ ( shift-(-) )  
Save animation to disk: w  
Export movie: e

#### Other:

Reset puppet tracking: x  
Change visualization of tracking volume: t  
Exit program (saves current animation data): esc