

uCT Info/Quick Tips

uCT Passwords:

login: vivact

password: hankenson

username: Jennifer Kang

Scanco Website:

<http://130.91.97.250/~vivact/>

SCANCO uCT samples V1.1

Type in PI's initials

SPINE_User's initials_sample info

When you save, record your "sample number" that pops up

When you click the 2nd icon – machine

Pop ups with the interface

Will hear machine warming up

uCT tomography screen

Then another window will pop up, type in your sample number

Then next – choose the control file – what protocol to use

all depends on what type of sample to scan

after you choose one, click Scout View

scout view is to determine where/what range we are scanning the sample

scout view will show first image – x ray image, 2D, based on that choose the region that you want to scan

TO SCAN:

- Put in sample number
- Number will come up and the name that you put in

Do test scan

- Click any control file
- 116 ex
- click scout view
- coordinate 0 – is to the back

- closer to us is 140,000 mm

Positioning tube in the scanner:

if you go to the 3rd hole – around 25 to 110 or 116,000, then you won't hit the metal

if you hit metal it will have artifact

choose a region and click scout view

can also click cancel, and then click RESET

the whole stage will move to the original position

if don't click reset, don't open the hood

change the protocol to what you want it to be

ex) 15 micron one

scout view – 25 to 115

click scout view

click shift and middle button to change the contrast

and scroll up and down

click reference line to see where you need to scan

see how many slices and how many minutes it will take

reference line tells you the coordinate to choose

then you can scan everything above the reference line

click shift, move mouse and will increase the size

release shift and it will hold and then choose where to scan

will show up in the task list

then submit batch scans

if only 1 scan can either click scan or the submit batch scans