Measuring the Si 111 Standard Sample

- 1. Mount the Si 111 sample.
- 2. Place the drives at the following locations:

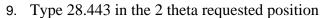
Theta: 0 X: 0 2 Theta: 0 Y: 0 Chi: 0 Z: 0

Phi: 0 No detector slit

- 3. Perform a Z scan from -.9 to 1.9
- 4. Double click on the curve where the intensity is half the original value



- 6. double Click on the peak location
- 7. perform a Z scan from -1 to 1
- 8. Double click on the curve where the intensity is half the original value



- 10. Perform a rocking curve from 14 to 15.
- 11. Double click on the peak position
- 12. Perform a 2 Theta/ Omega scan from 28 to 29
- 13. The peak should be located at 28.443 + -0.01

