XRDUG Seminar IV

Screen Shots of
Profile Fitting
Using the
DMSNT Software

Edward Laitila 2/1/2007

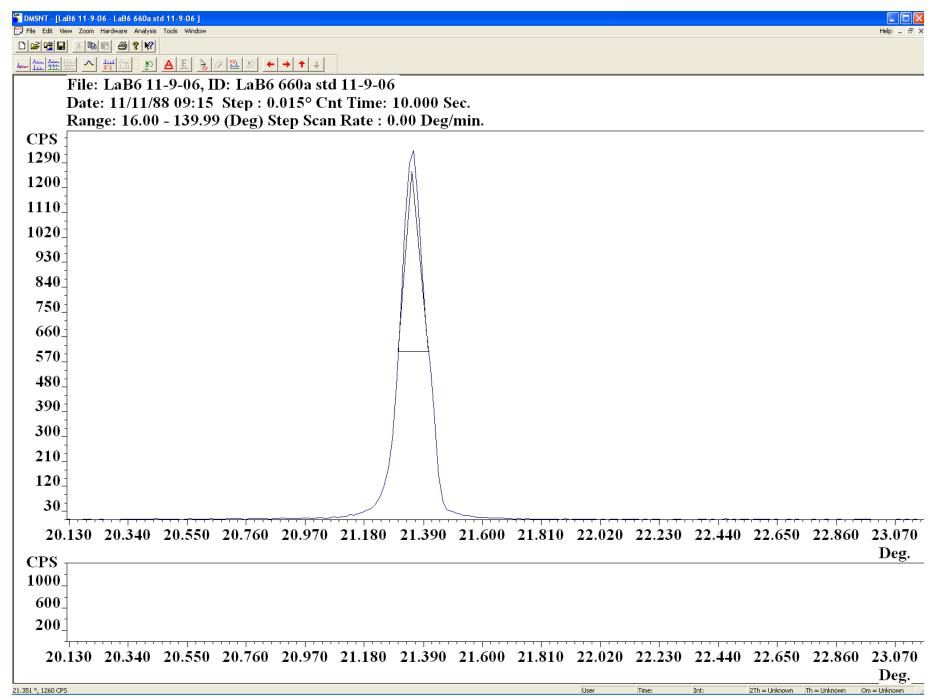


Figure 1 Inserting a Peak Manually

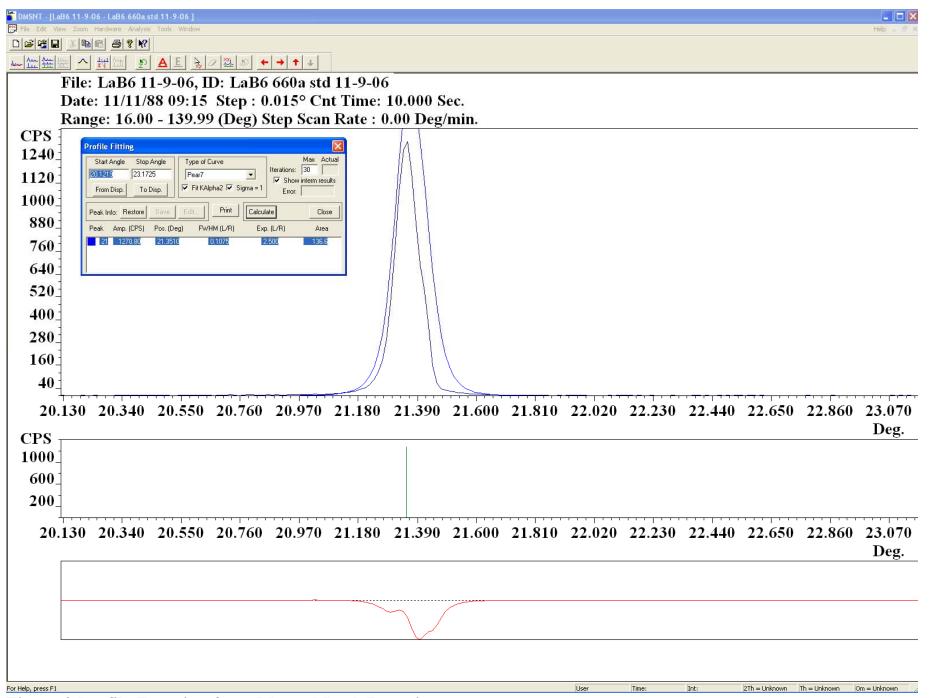


Figure 2 Profile Function from Manual Peak Insertion

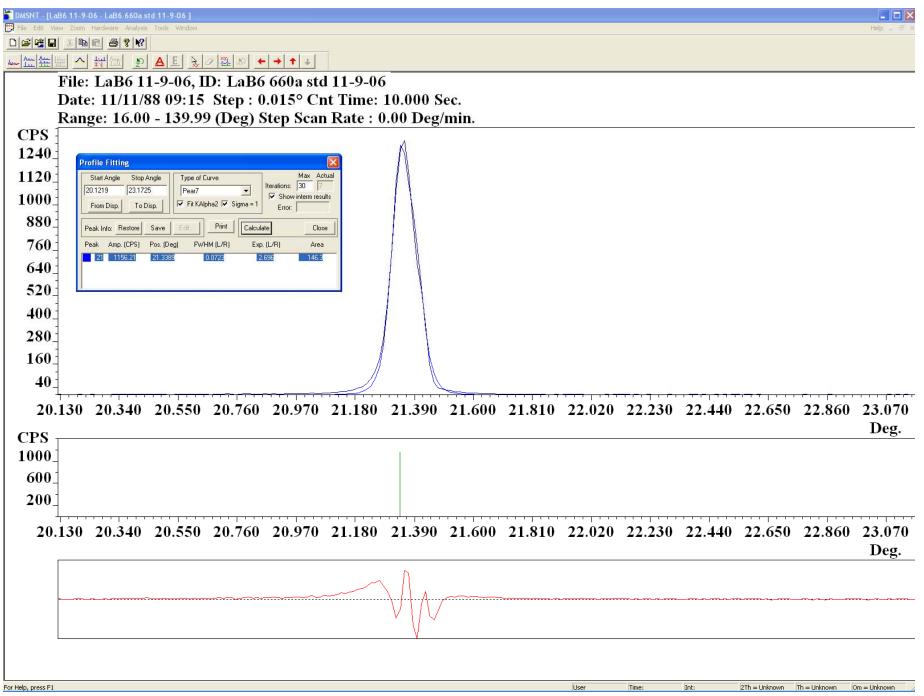


Figure 3 Profile Function After Convergence

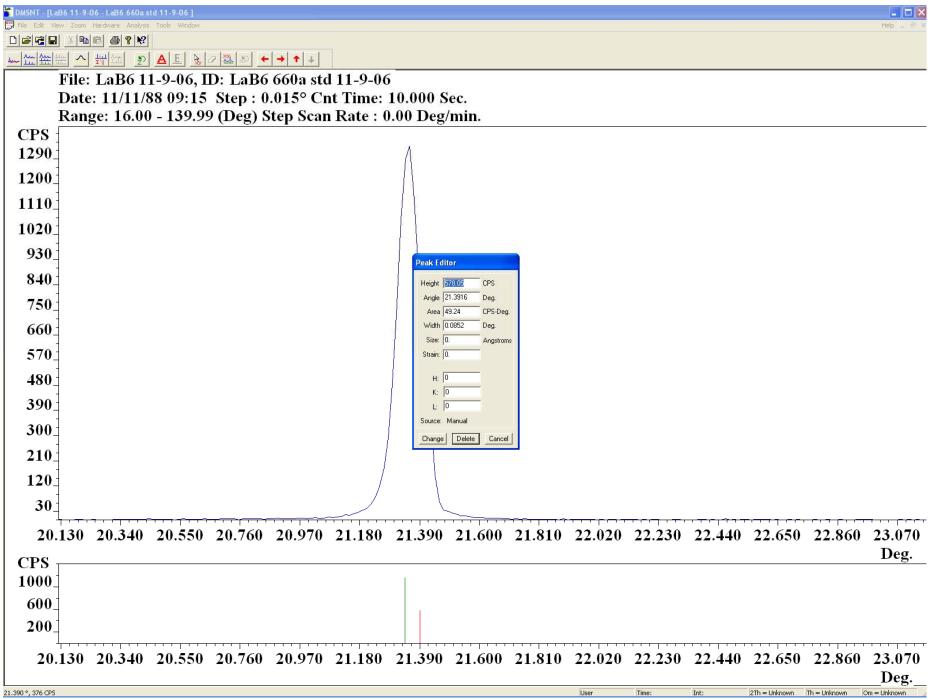


Figure 4 Deleting Peaks

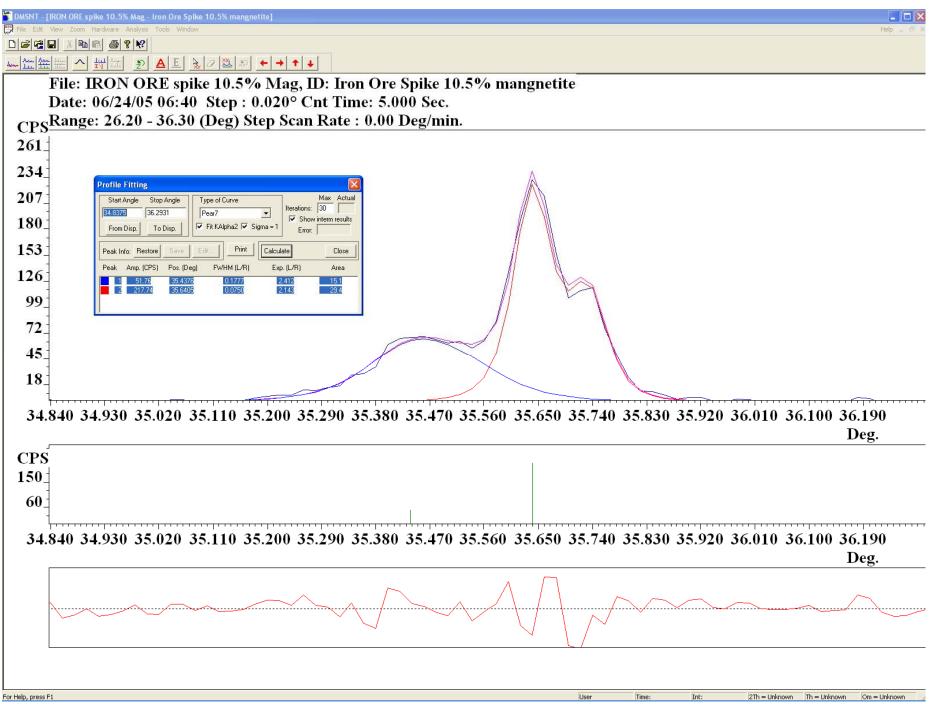


Figure 5 Inserting Peaks with Minimal Features

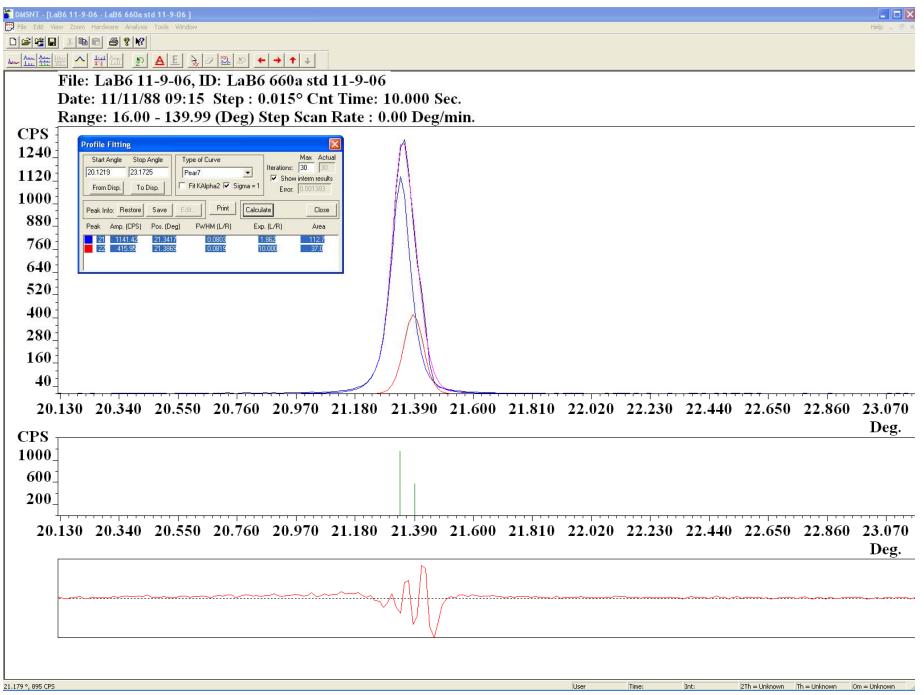


Figure 6 Profile Functions Manually Fitting $K_{\alpha 2}$

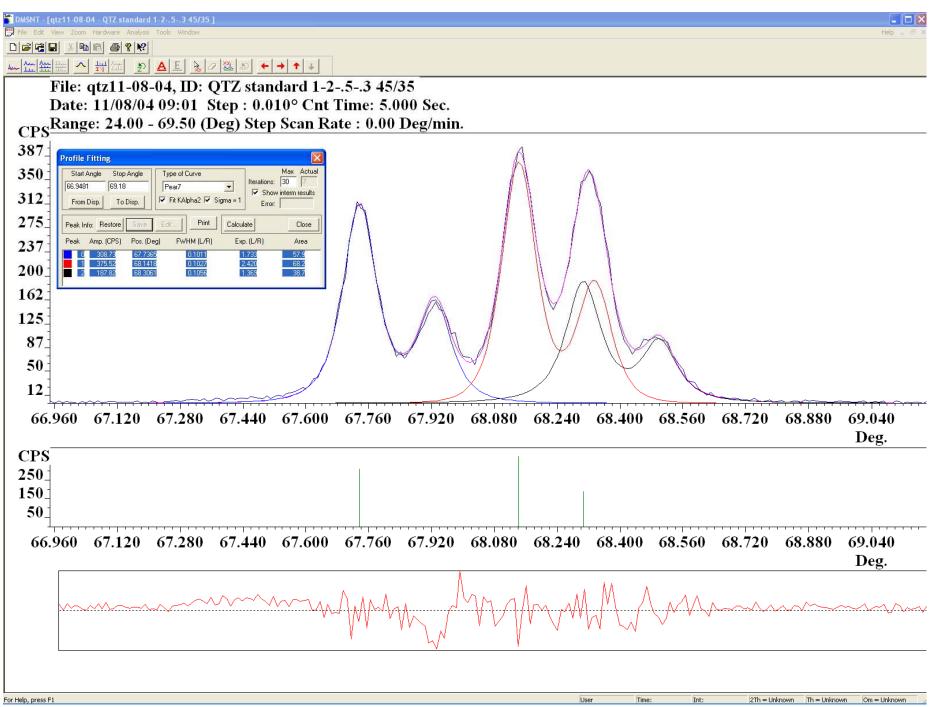


Figure 7 Five Fingers of Quartz

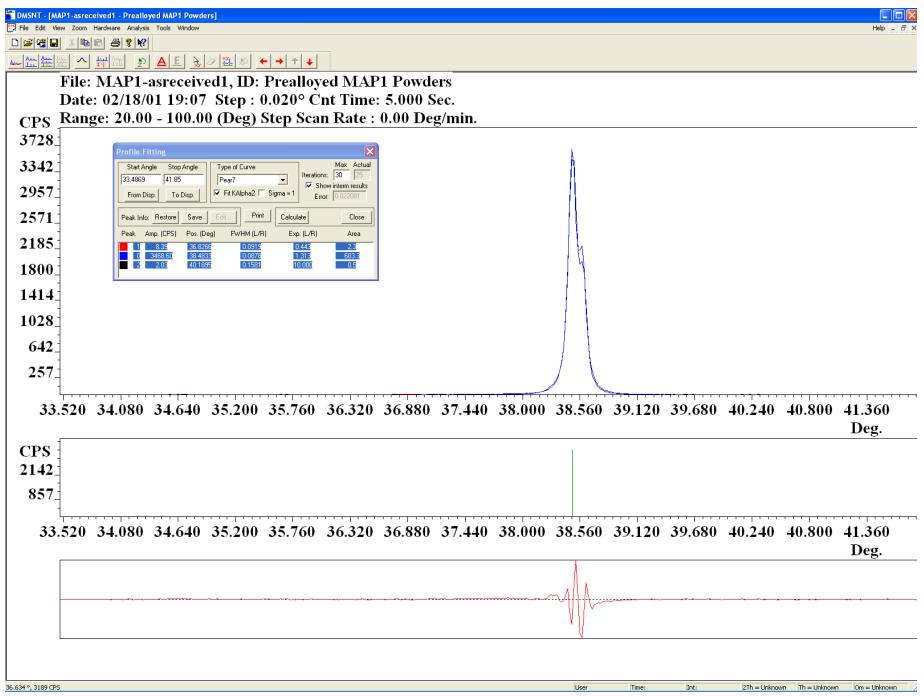


Figure 8 Example of Low Intensity Peak Near a High Intensity Peak

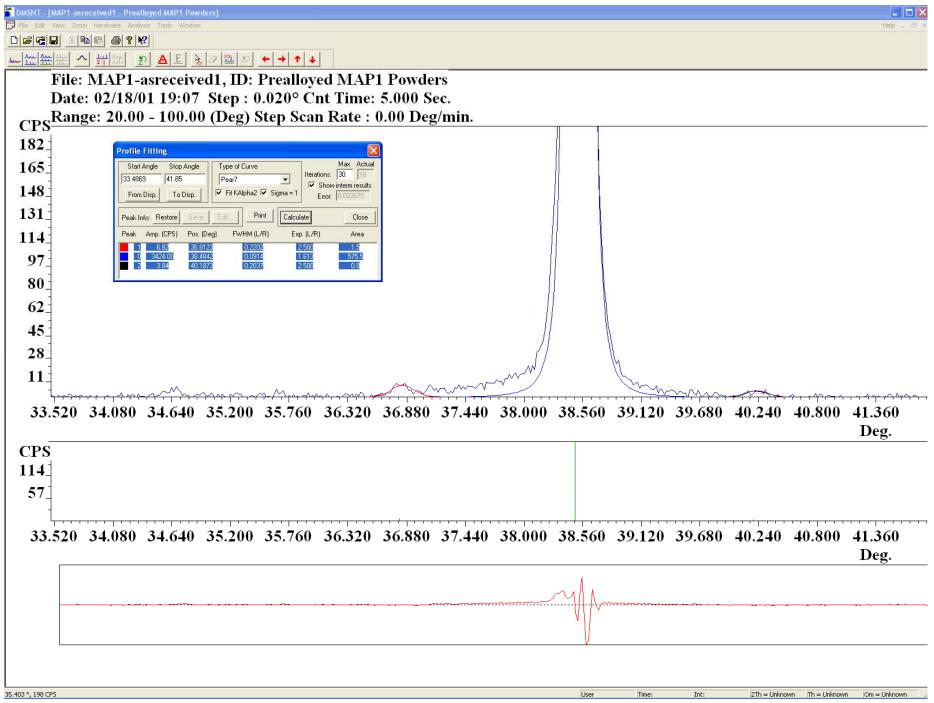


Figure 9 Figure 8 Zoomed To Observe Low Intensity Peaks - Initial Peak Insertions

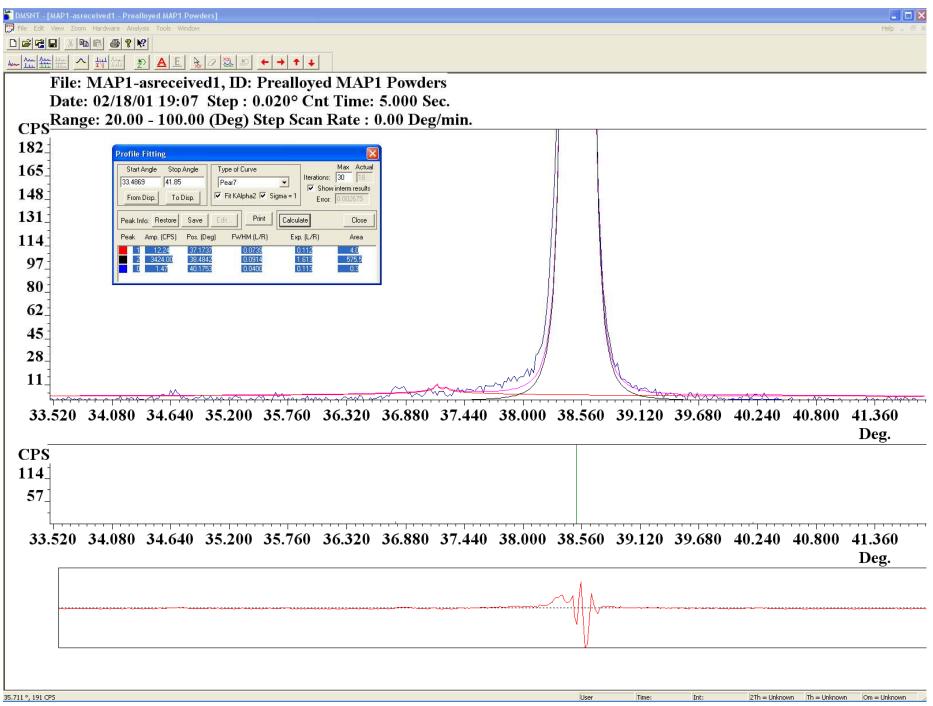


Figure 10 Curve Fit with Sigma = 1

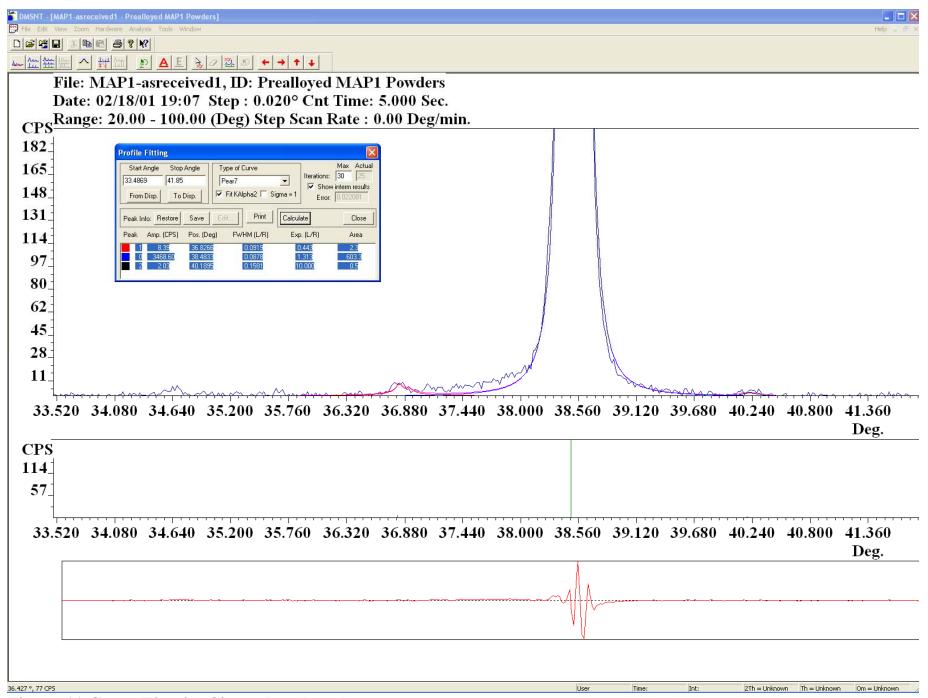


Figure 11 Curve Fit with Sigma Deselected

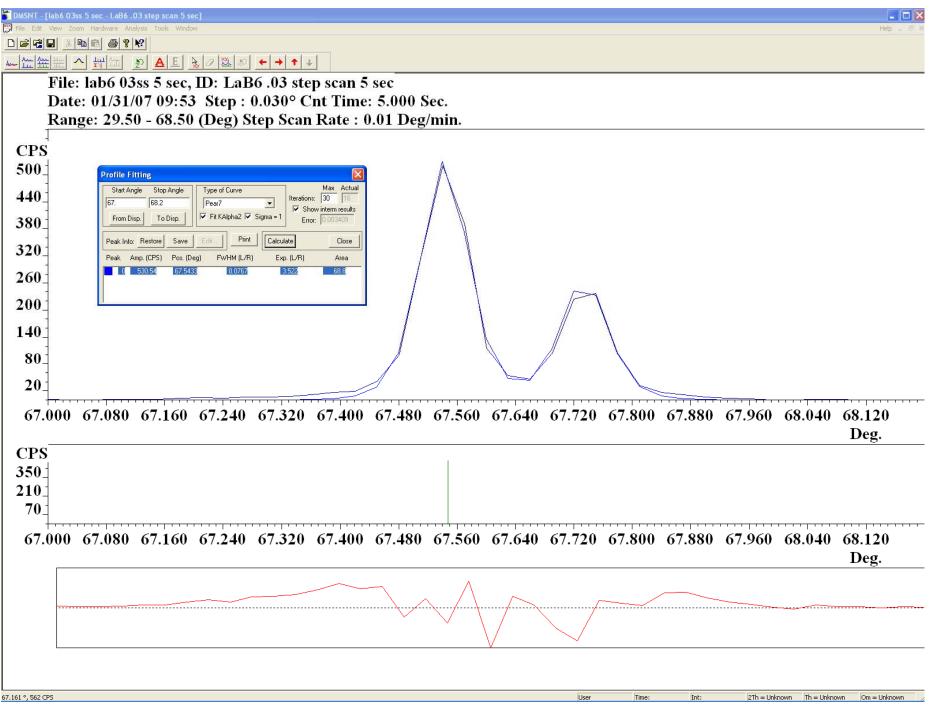


Figure 12 Effects of Step Size on Profile Function $SS = 0.03^{\circ} 2\theta$

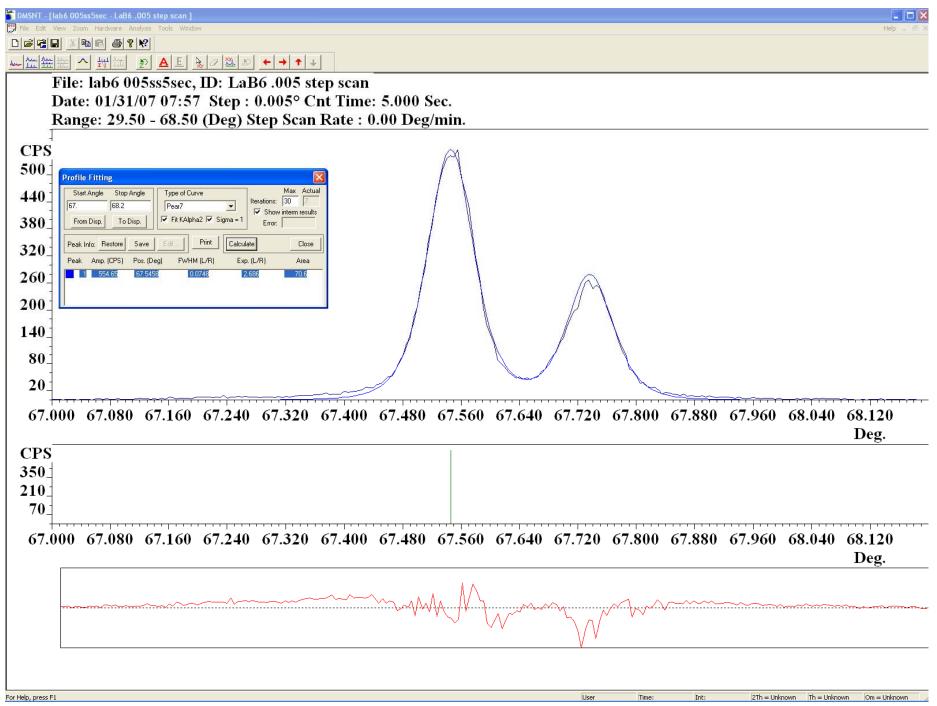


Figure 13 Effects of Step Size on Profile Function SS= 0.005° 20