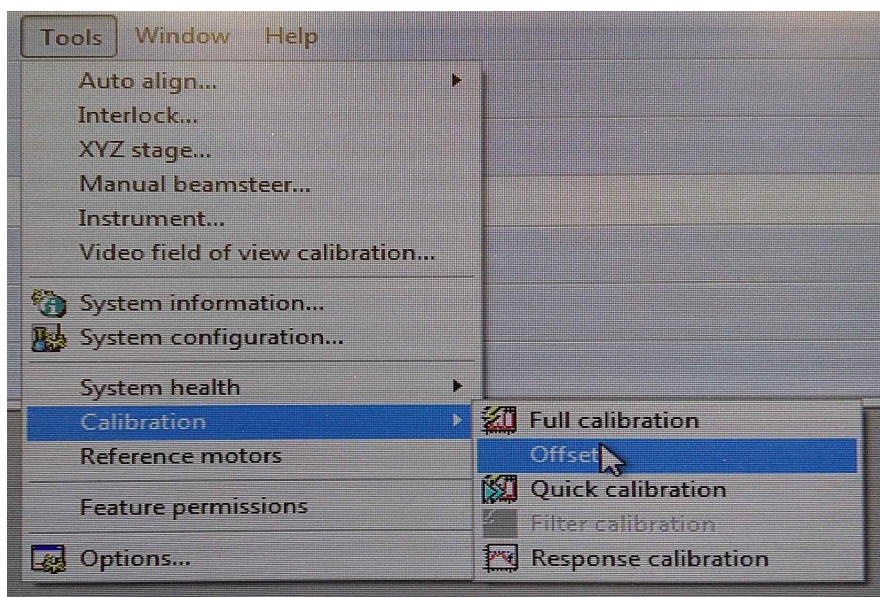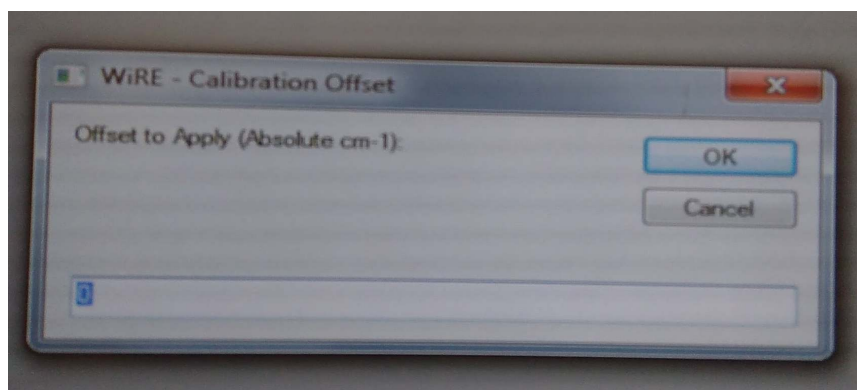## Adjusting offset in the case when the Quick Calibration fails

If the Quick Calibration fails, it is typically because the Si peak is not close enough to 520 cm-1; the Quick Calibration routine wants to do an automatic offset of the energy scale to put the peak exactly at 520 cm-1 but it will not work if the peak starts off too far from 520 cm-1. The routine will give you an error that the peak is not within a certain range of 520 cm-1. To get around this error, you can do a manual offset of the peak using Offset in the Tools>Calibration menu as below.

This will open up the window shown below. Enter an offset that will correct for the amount that the Si peak is displaced from 520 cm-1.

Take the spectrum again to make sure the peak is now close to 520 cm-1. When it is close, then run Quick Calibration again and the offset will be adjusted automatically to put the peak as close to 520 cm-1 as possible.