Nicolet Avatar 380 FT-IR with ATR sampling *Beth Donovan 3/13/2014*

Quick-start User guide

1. Open Omnic Software.
2. Click “Expt Setup” and select your desired experimental parameters.
3. Click “Col Bkg” to collect a background spectrum.
4. Place your sample on the diamond surface:
   1. Liquid sample—place one drop to cover the diamond.
   2. Solid sample—place enough sample to cover the diamond, then move the reflector arm so that it is above your sample, then turn the knob to clamp down on your solid sample.
5. Click “Col Smp” to collect your sample spectrum. Enter an appropriate file name.
6. Click “Yes” at the prompt upon completion of scans to add your spectrum to the window.
7. Click Process → Baseline correct…
   1. Click several points across the baseline of your spectrum.
   2. Click “Replace”
8. Click “Find Pks”
   1. Click on a point with the desired peak intensity to label peaks as desired.
   2. Click “Replace”
9. Click “Save”
10. Click “Print”
11. Clean the diamond surface (and reflector arm if solid sample was used) with ethanol and cotton balls. Please only use ethanol and cotton for cleaning.