**Low Angle Scans on the D8 ECO**

Low angle usually applies to the range 1 to ~15 deg.

You can minimize low angle noise and scatter by changing parameters for the diffraction scans as follows:

Make sure the air scatter screen is in and is almost touching the sample

Set the divergent beam slit to 0.1 or 0.2 mm. The normal setting is 0.6 to 1.0 mm.

Set the scatter slit to 3 mm. The normal setting is 9 mm.

Set the PSD opening to ½ of your starting angle.

These steps will greatly reduce the low angle noise but will also lower the intensity of your peaks. Since you can subtract the background in JADE or EVA, you may want to just use the normal settings.