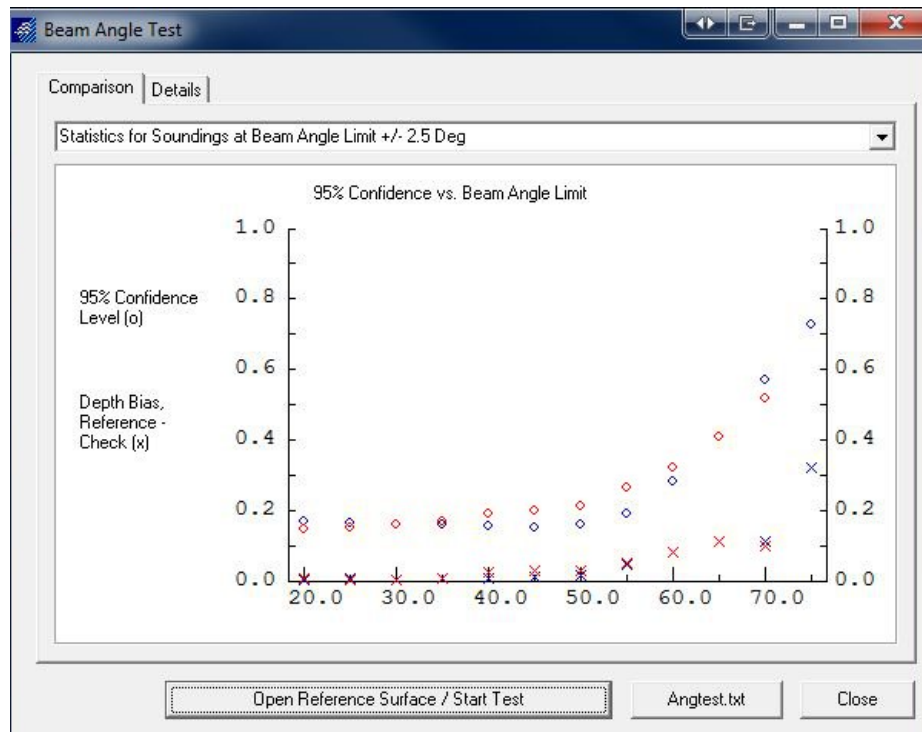


FIGURE 2. Performance Test Results --High Density Data (blue) vs Low Density Data (red)



As you can see, the curves are very similar, although the higher density data did improve accuracy a bit between 40 and 60 degrees. However, this also increased processing time in MBMAX as it had to process 3x the number of points.

Interestingly, the 'high density' data set also showed more noise in the nadir region, as you can see when comparing the two reference surfaces. (Note that these surfaces exclude beams beyond 45 degrees.) Figure 3 is a gridded XYZ of the difference between the two surfaces. Here you can see the higher differences along the track lines.

FIGURE 3. Gridded XYZ Representing the Differences between the High and Low Density Data Sets

