3D Data Interpolation

The recorded data is interpolated using sinc technique to create the following two data sets

1. Data Set # 1: Here, we interpolated only in the receiver direction to regularize the receiver interval to 1 m, however, the source locations are the same as the original data (2 and 4 m source intervals). Now the data contains 6 lines, each line has 121 receivers and a total of 240 shot gathers.

2. Data Set # 2: Here, we used the result from the previous step, and interpolated only in the shot direction to regularize the shot interval to 1 m. Now, both shot and receivers has 1 m interval. The data contains 6 lines, each line has 121 receivers and a total of 726 shot gathers.