File = Fake_databignosnp.tif, delta theta = 1, delta rho = 1, SNR = nonoise.
LM solver param : Lambda = 0.1, epsilon = 1.0E-5
Fit params = Start and End point, spacing between consecutive Gaussians along the line, ds.
Number of gaussians for mask fit = 2 * Math.max(psf[0], psf[1]) / ds.
Black: Fake data line parameters.
Red: Detection. (Gaussian masks determined by program was used)

StartX: 147.994 StartY: 32.8812 EndX: 167.9939 EndY :45.98487
Length 23.91038

StartX: 148.15847 StartY: 32.8931 EndX: 167.9044 EndY: 46.022 ds: 1.2276
Length: 23.7122
Number of gaussians for mask fit:4
Error : StartX = 0.164, StartY = 0.081, EndX = 0.009, EndY = 0.037 , Length = 0.198

StartX : 92.8676 StartY : 5.4997 EndX : 112.8676 EndY : 21.13153
Length 25.38412

StartX: 93.01529 StartY: 5.54259 EndX: 113.2052 EndY: 21.4678 ds: 1.0998
Length: 25.7147
Number of gaussians for mask fit:4
Error : StartX = 0.1477, StartY = 0.043, EndX = 0.338, EndY = 0.336 , Length = 0.331

StartX: 46.9581 StartY: 73.9193 EndX: 66.95812 EndY :78.34778
Length 20.4844

StartX: 47.31582 StartY: 73.9271 EndX: 67.10312 EndY: 78.45208 ds: 1.10234
Length: 20.29808
Number of gaussians for mask fit:4
Error : StartX = 0.357, StartY = 0.0008, EndX = 0.145, EndY = 0.104 , Length = 0.186

StartX: 106.0607 StartY: 183.0128 EndX: 126.0607 EndY :184.7074
Length 20.07166

StartX: 106.44989 StartY: 182.9255 EndX: 126.5965 EndY: 184.873 ds: 1.1418
Length: 20.240595
Number of gaussians for mask fit:4
Error : StartX = 0.389, StartY = 0.088, EndX = 0.535, EndY = 0.1656 , Length = 0.169

StartX: 41.379541 StartY: 80.073 EndX: 61.37954 EndY : 94.4024
Length 24.6033

StartX: 41.51348 StartY: 80.0314 EndX: 61.5682 EndY: 94.6749 ds: 1.36417
Length: 24.83193
Number of gaussians for mask fit:4
Error : StartX = 0.134, StartY = 0.004, EndX = 0.188, EndY = 0.272 , Length = 0.229

StartX: 100.599 StartY: 47.243269 EndX: 120.5994 EndY :50.00073
Length 20.18919

StartX:100.9849 StartY: 47.27039 EndX:121.0172 EndY: 50.0843 ds: 1.16445
Length: 20.22906
Number of gaussians for mask fit:4
Error : StartX = 0.386, StartY = 0.027, EndX = 0.418, EndY = 0.084 , Length = 0.04

StartX: 7.79435 StartY: 33.1048 EndX: 27.7944 EndY :52.91969
Length 28.1536

StartX: 7.87132 StartY: 33.1522 EndX: 28.3185 EndY: 53.4678 ds: 1.21065
Length: 28.8238
Number of gaussians for mask fit:4
Error : StartX = 0.077, StartY = 0.047, EndX = 0.524, EndY = 0.548 , Length = 0.67

StartX: 45.3096 StartY: 158.025 EndX: 65.3096 EndY :176.277
Length 27.07645095427225

StartX: 45.39 StartY: 158.0457 EndX: 65.9112 EndY: 176.8788 ds: 1.28015
Length: 27.85323
Number of gaussians for mask fit:4
Error : StartX = 0.08, StartY = 0.021, EndX = 0.6, EndY = 0.6 , Length = 0.776

StartX: 55.34645 StartY: 40.82695 EndX: 75.3464 EndY :56.43092
Length 25.36698

StartX: 55.3989 StartY: 40.7657 EndX: 75.7931 EndY: 56.8815 ds: 0.841488
Length: 25.9931
Number of gaussians for mask fit:5
Error : StartX = 0.0524, StartY = 0.061, EndX = 0.446, EndY = 0.451 , Length = 0.63