Probability distributions for translation error (millimeters) Normal distribution: location = 81.3679067788, scale = 36.5480960991 $Log \ Normal \ distribution: location = -110.589545754, \ scale = 188.511991273, \ shape = 0.190777002815$ Generalized Extreme Value distribution: location = 66.5803208037, scale = 33.4037683479, shape = 0.164263160288

92.4

Translation error histogram bins (millimeters)

108.5

124.7

140.8

156.9

173.1

11.8

27.9

44.0

60.2

76.3