



Extracted Mean = 54.742 ± 3.169
 Extracted Sigma = 22.63 ± 1.818
 Chi² Value = 169.854
 P Value = 1.454×10^{-6}
 Reduced Chi² = 1.846

Though my P and reduced Chi² values appear to represent statistically significant data, my fits do not appear to appropriately highlight the signal. For this reason, though I may be interpreting this data incorrectly, I do not believe that I achieved a good fit for the data.