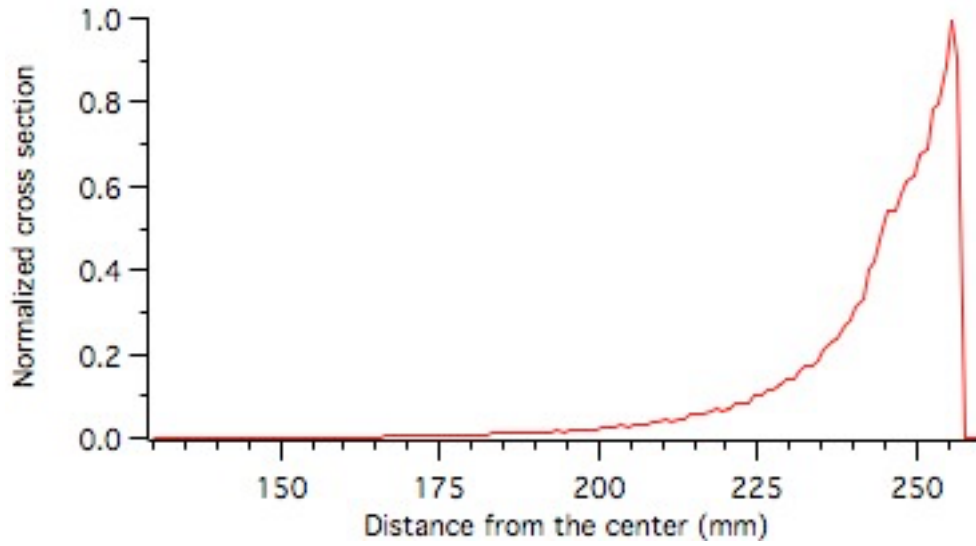
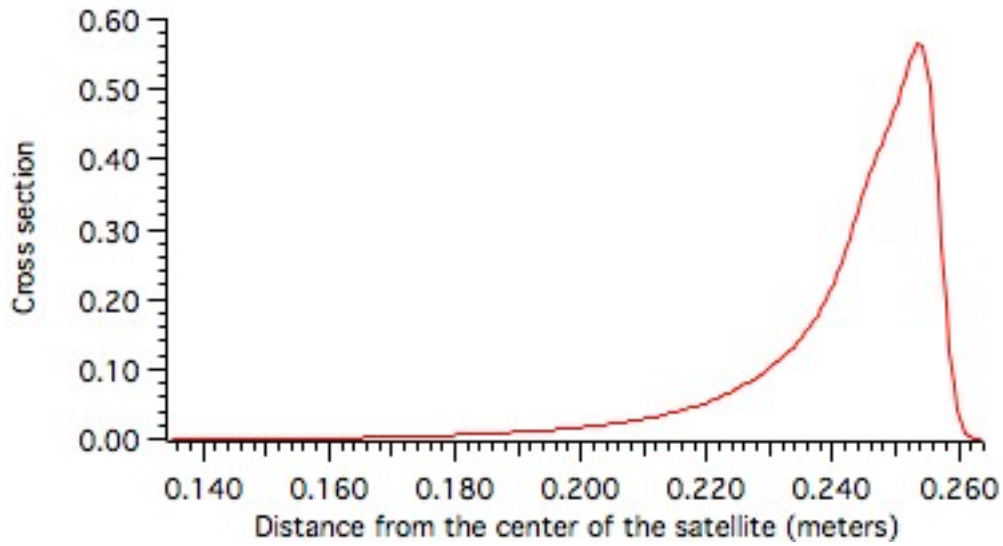


**Use of correlation function to determine the range correction
With data clipping**

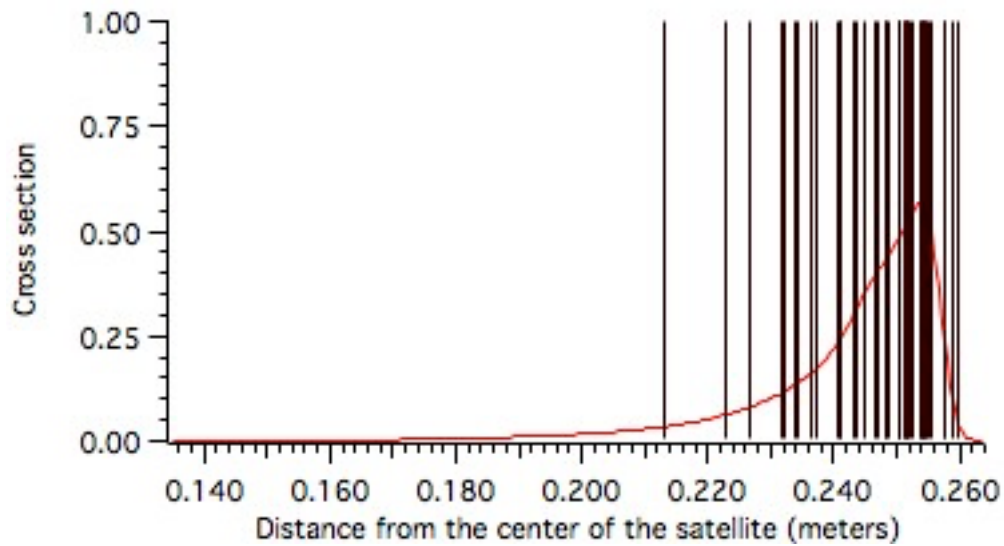
Histogram of LAGEOS
Zero pulse width



Histogram of LAGEOS
.030 ns transmitted pulse



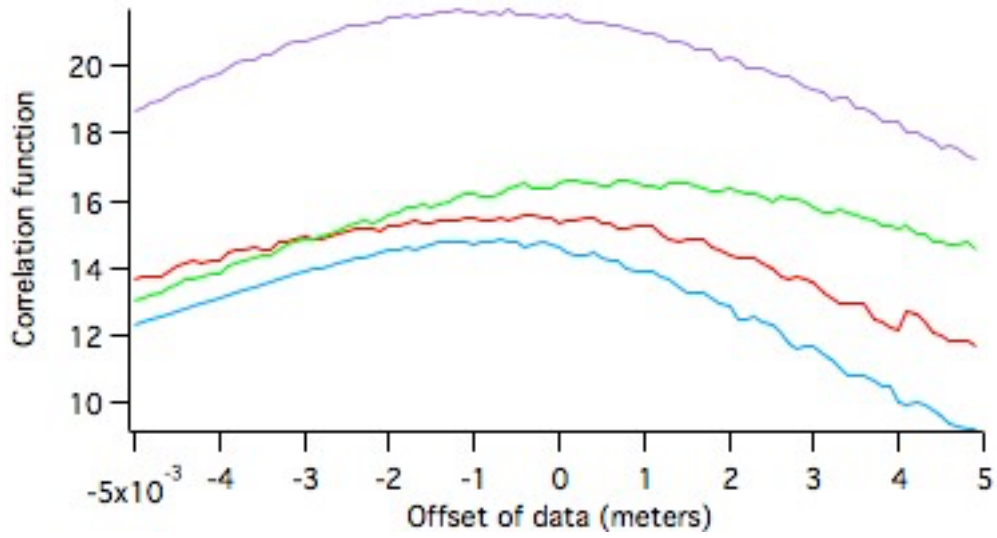
Histogram with sample data set
Average number of photoelectrons = 50



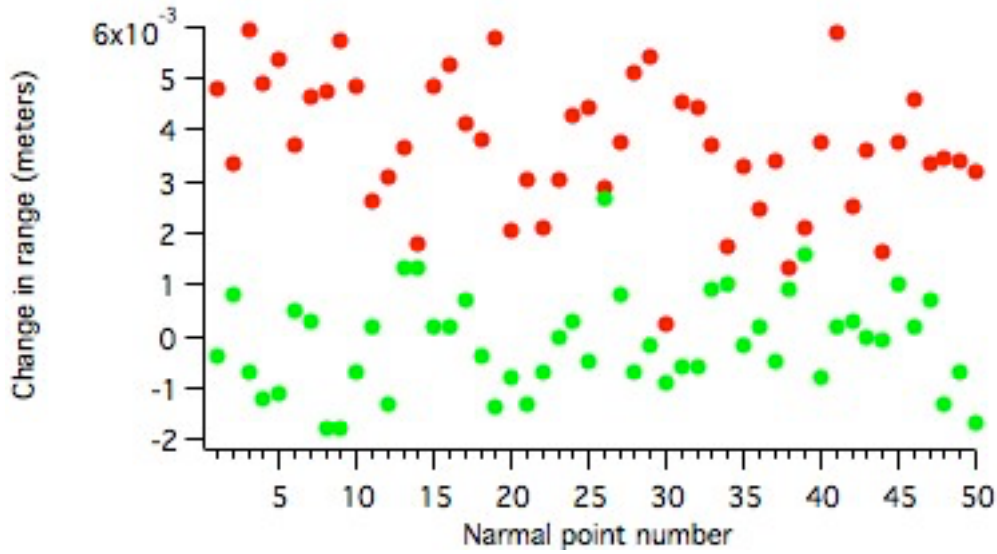
Data clipping

Clipping is at .220 meters. Centroid is at .2425 meters. Clipping is .0225 meters from the centroid. Front face is .014 meters from the centroid

Correlation function vs offset of the data from the centroid
 First 4 data sets



Change in normal point for 50 data sets
 Red = averaging the data
 Green = using the correlation function



Red points. Average = .00372 meters

Green points. Average = -.00012 meters (min = -.0018, max = .0027)