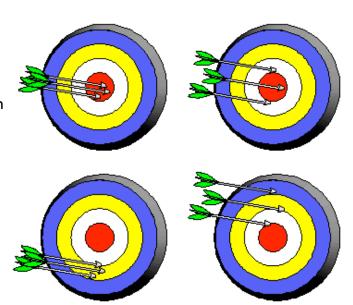


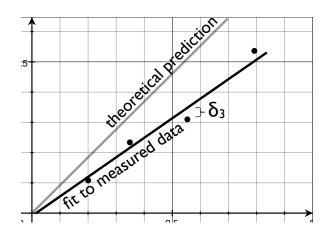
Precision and Accuracy

Which of these targets was hit with good precision, which was hit with good accuracy?



Accuracy is a measure of how close to the theoretical prediction the measured data is and is identified by the percent error

Precision is a measure of how well your measured data can be fit and is quantified by δ_{rms} , the root-mean-square deviation, i.e. how far from the best fit line a typical data point is.



$$\delta_{rms} = \frac{\sqrt{\sum_{i=1}^{N} \delta_i^2}}{N}$$



Free-Fall

