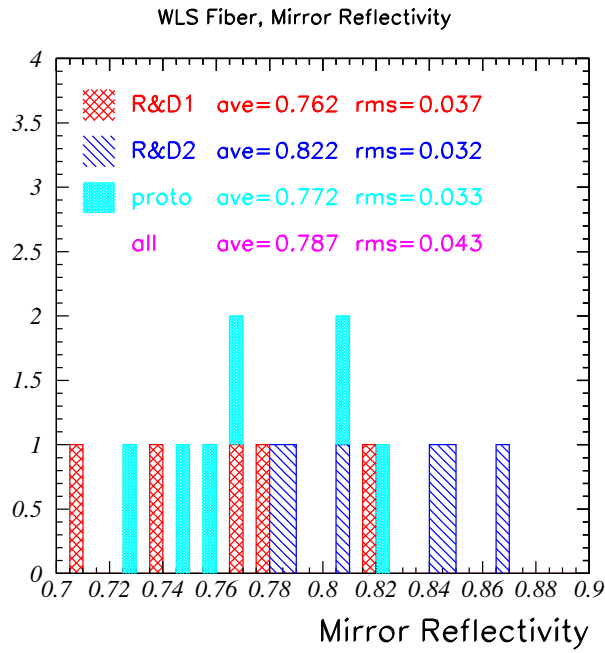
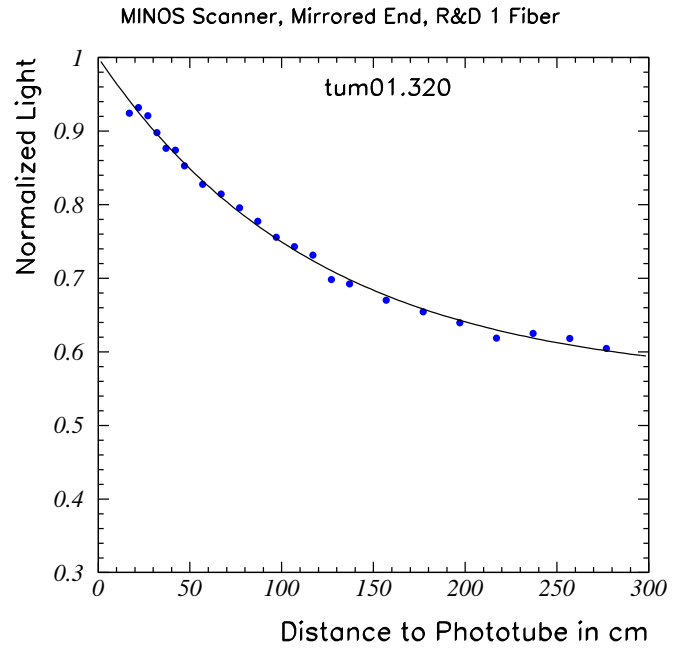
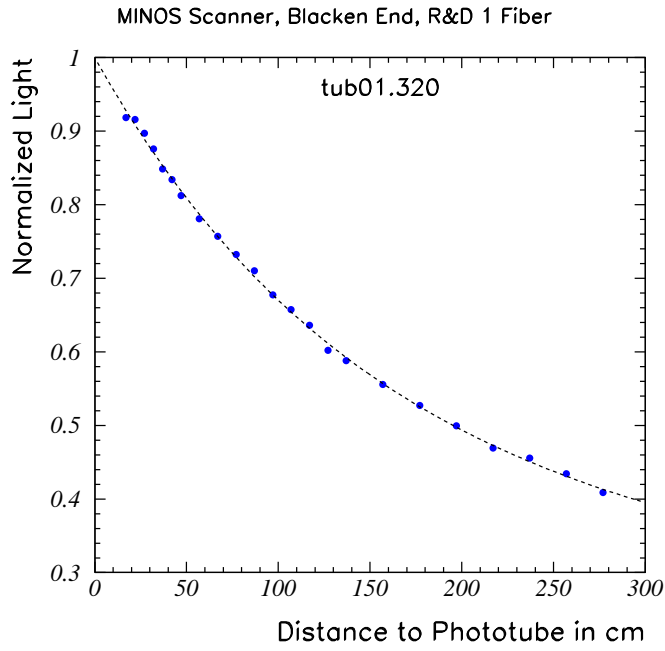


Measurements

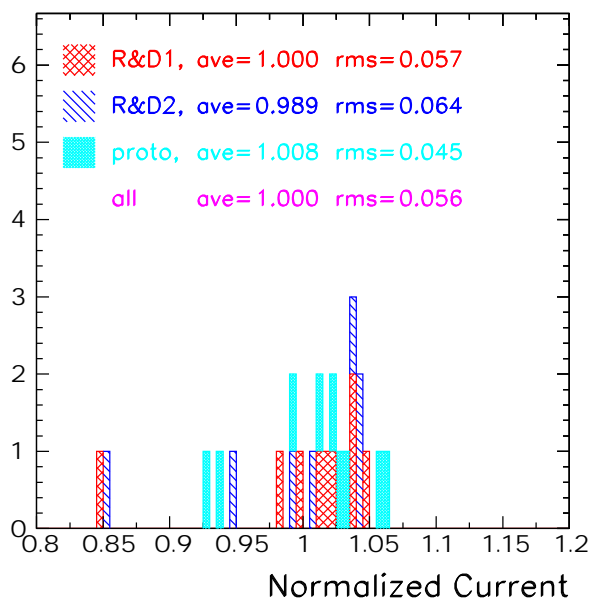
Howard Budd, Jul 19, 2006

MINOS scanner

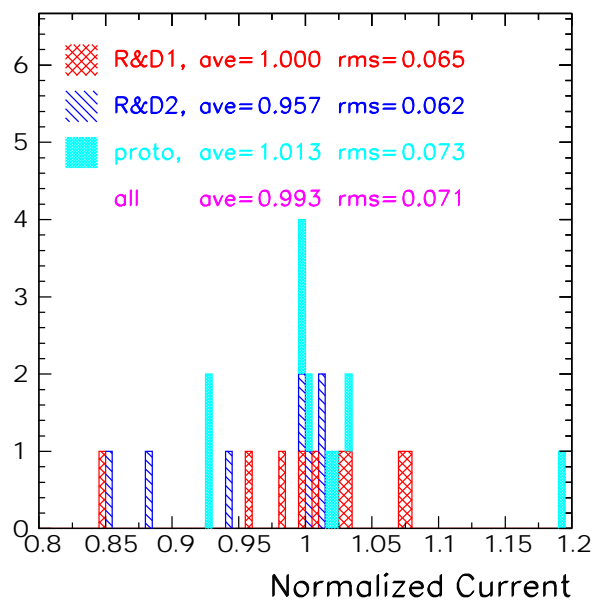
- Dan got the MINOS fiber scanner going to scan fiber
- Dan has scanned both mirrored and unmirrored fibers but here we will only look at non-mirrored fibers
- Idea is we use the scanner to QC the WLS fiber
- The Lab 6 scanner got modified, without our control
- We scan WLS fiber R&D1, R&D2 & Prototype fiber
- We want to compare them to see how similar they are
- We want to look into how we set the specification
- We are using a source to look at the fibers which Kuraray can't do.



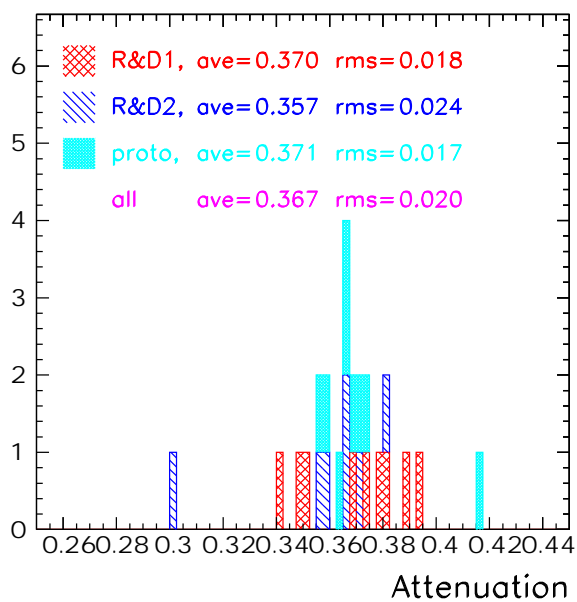
WLS Fiber, relative Light at x= 0



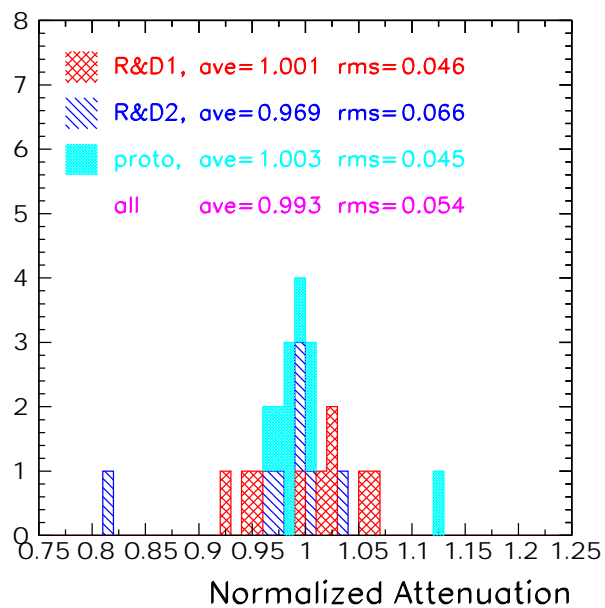
WLS Fiber, relative Light at x= 320



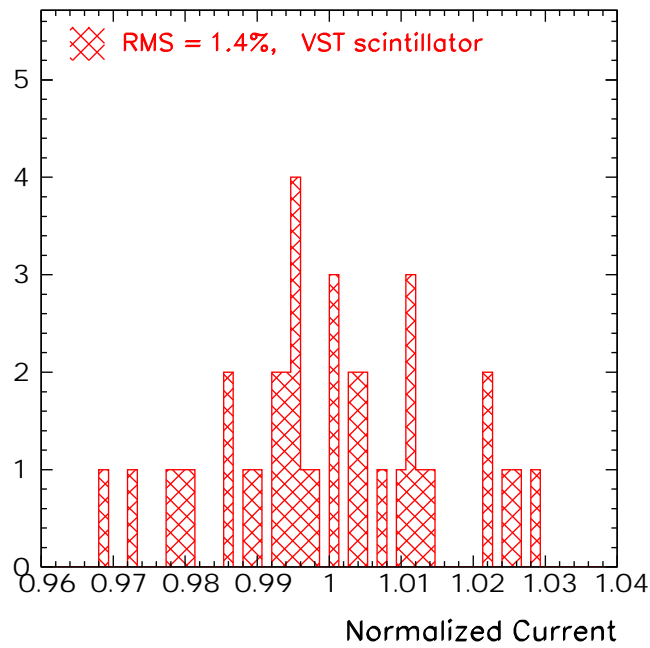
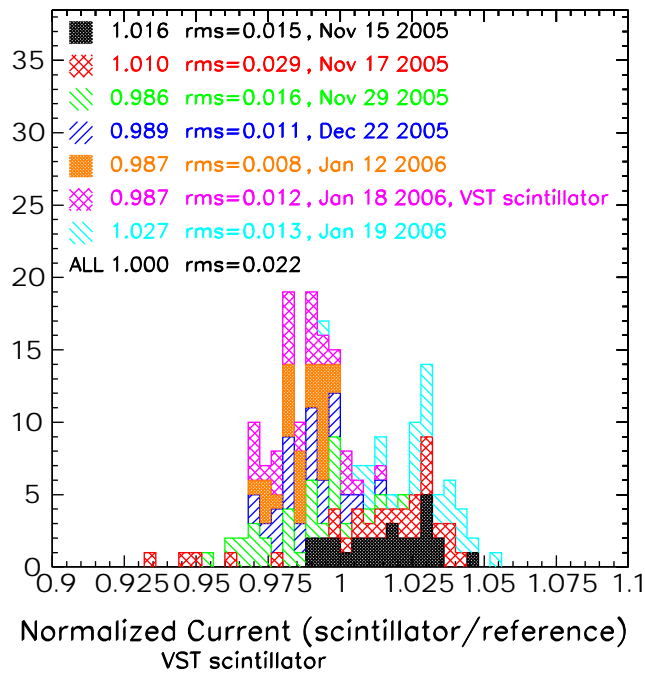
WLS Fiber, Attenuation at x=320



WLS Fiber, Normalized Attenuation at x= 320



Relative Light For scintillator/reference



- top Anna scintillator measurement
- bottom our measurement of the VST scintillator
- The RMS's seem to agree fairly well