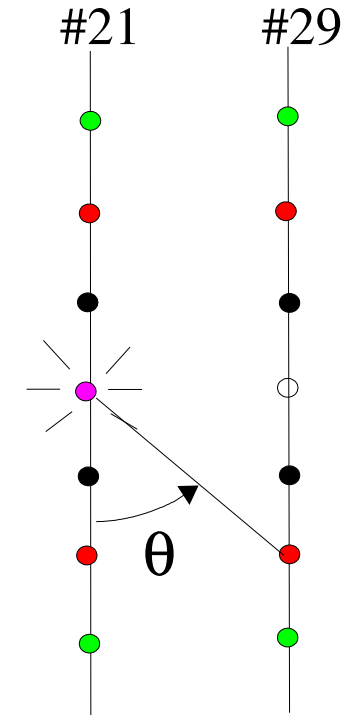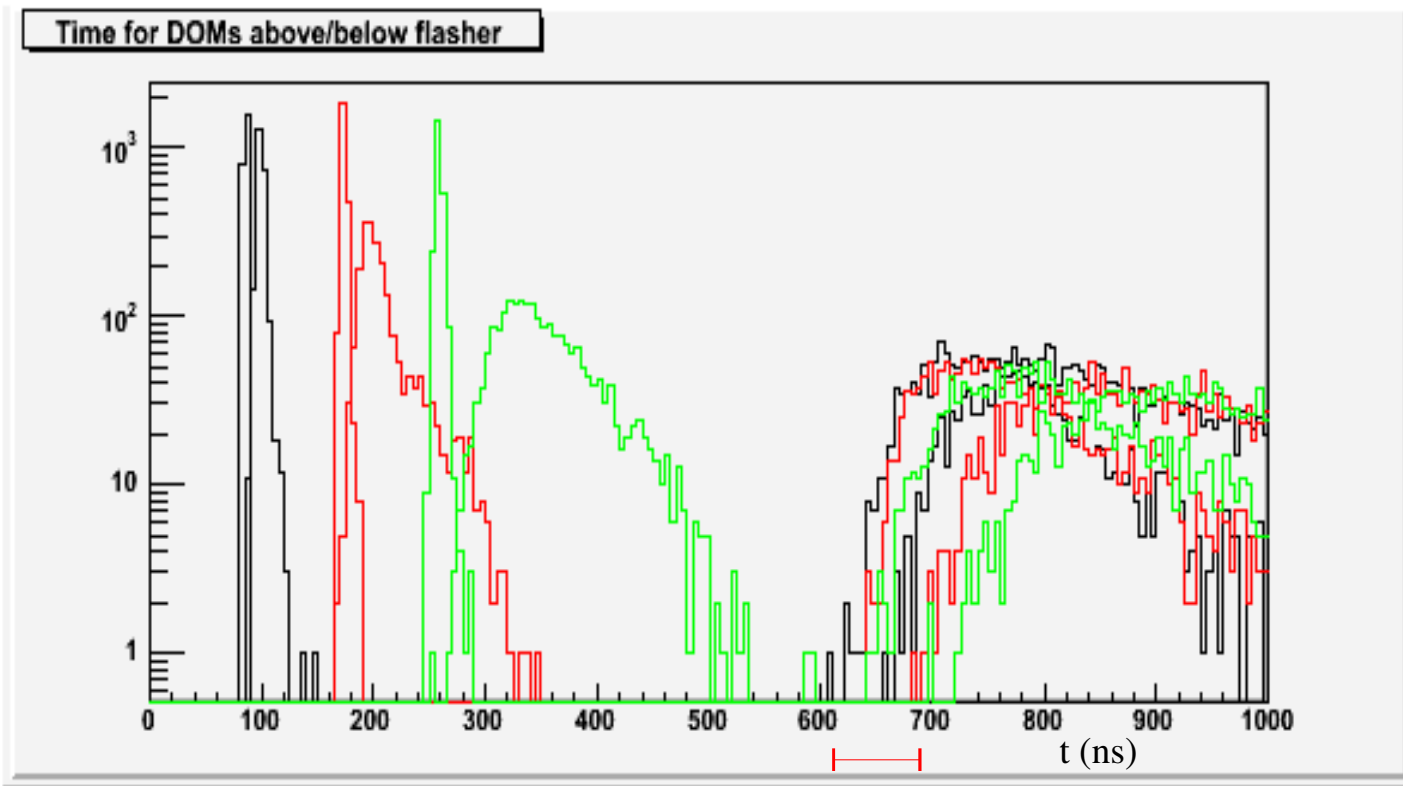# Inter-string flasher data verification
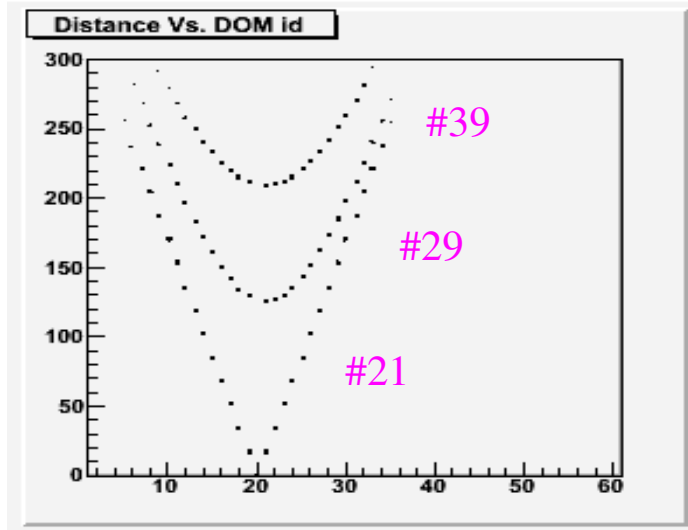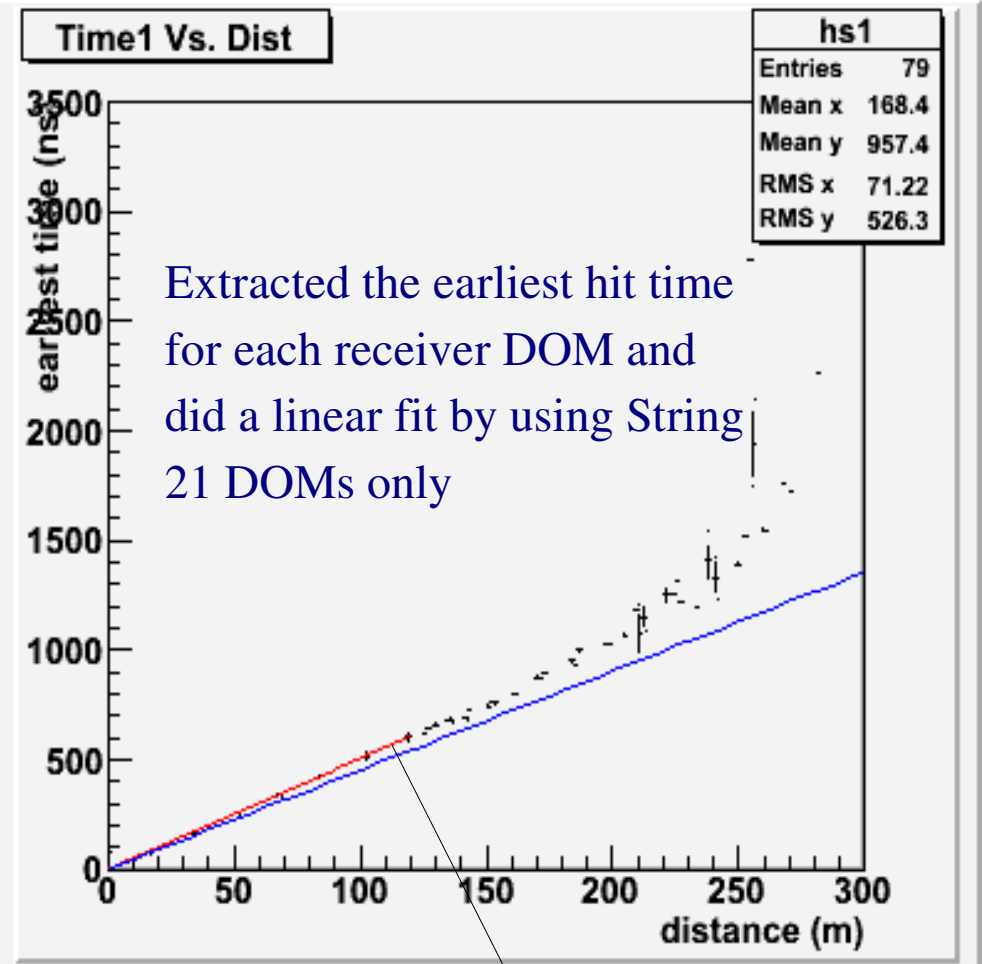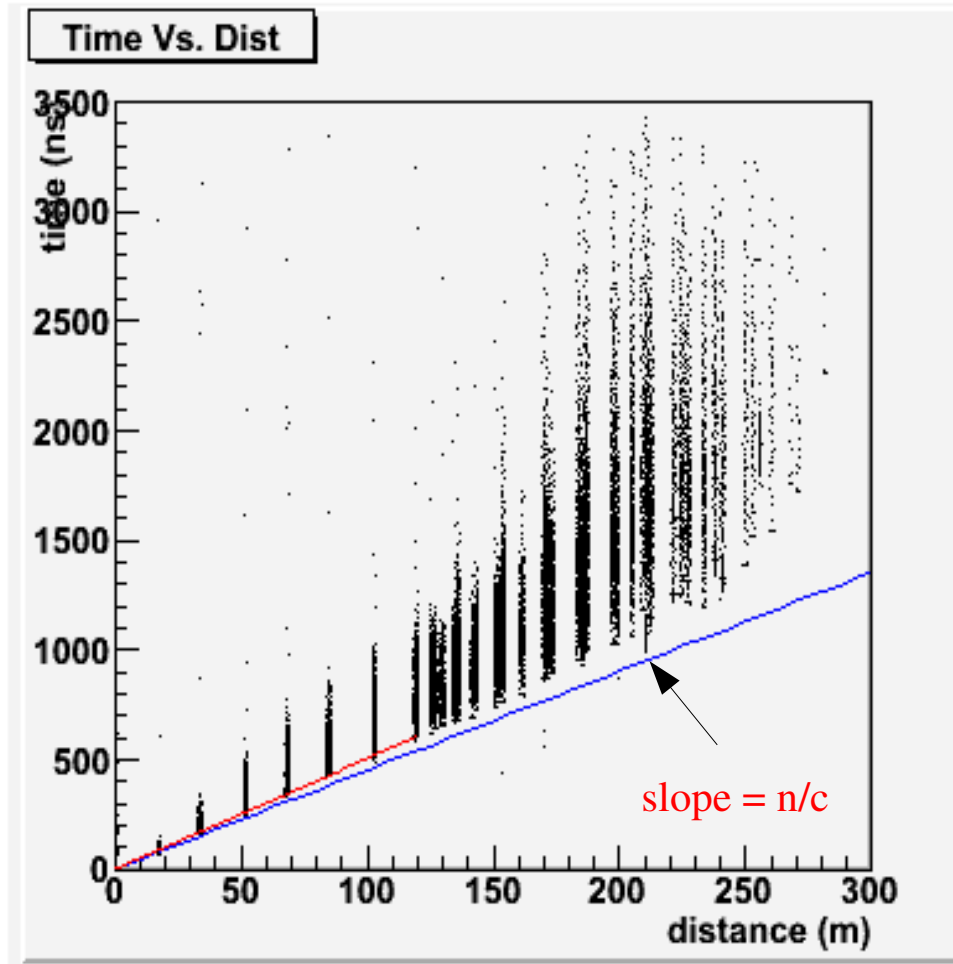
Chihwa Song (1/23/05)

RUN 25159

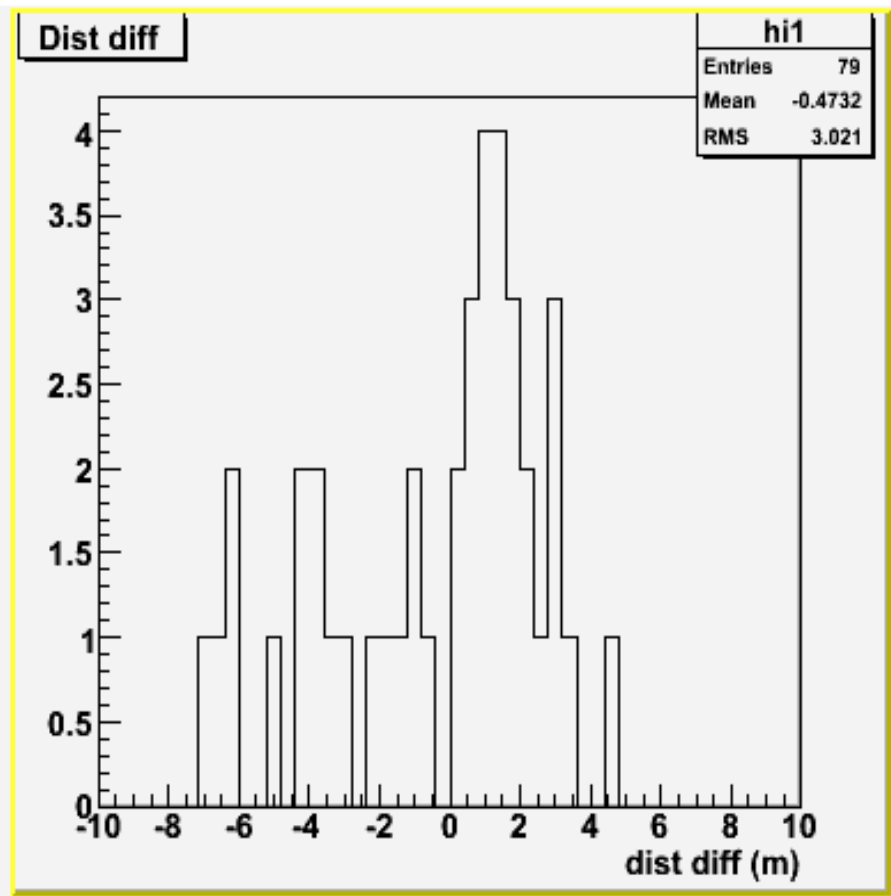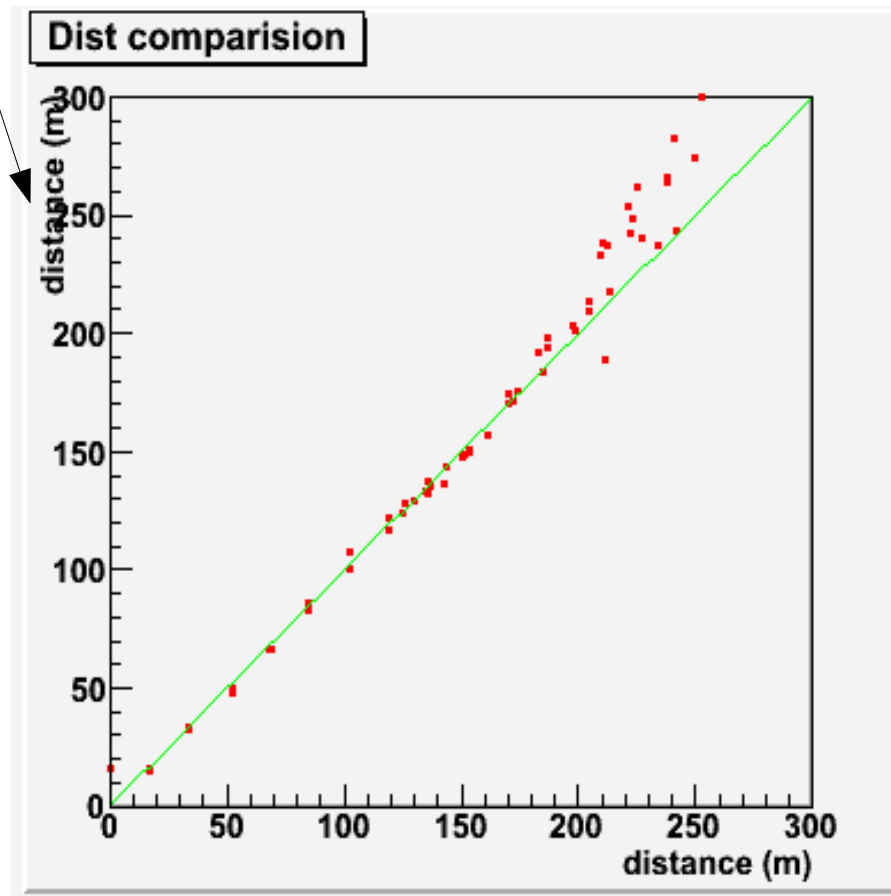
θ dependence

Assumed String 21 geometry is correct.

slope = n/c

hs1

Entries	79
Mean x	168.4
Mean y	957.4
RMS x	71.22
RMS y	526.3

Extracted the earliest hit time for each receiver DOM and did a linear fit by using String 21 DOMs only

$t_1/d = 5.05$

$d = t_1/5.05$

Dist comparision

distance (m)

distance (m)

Dist diff

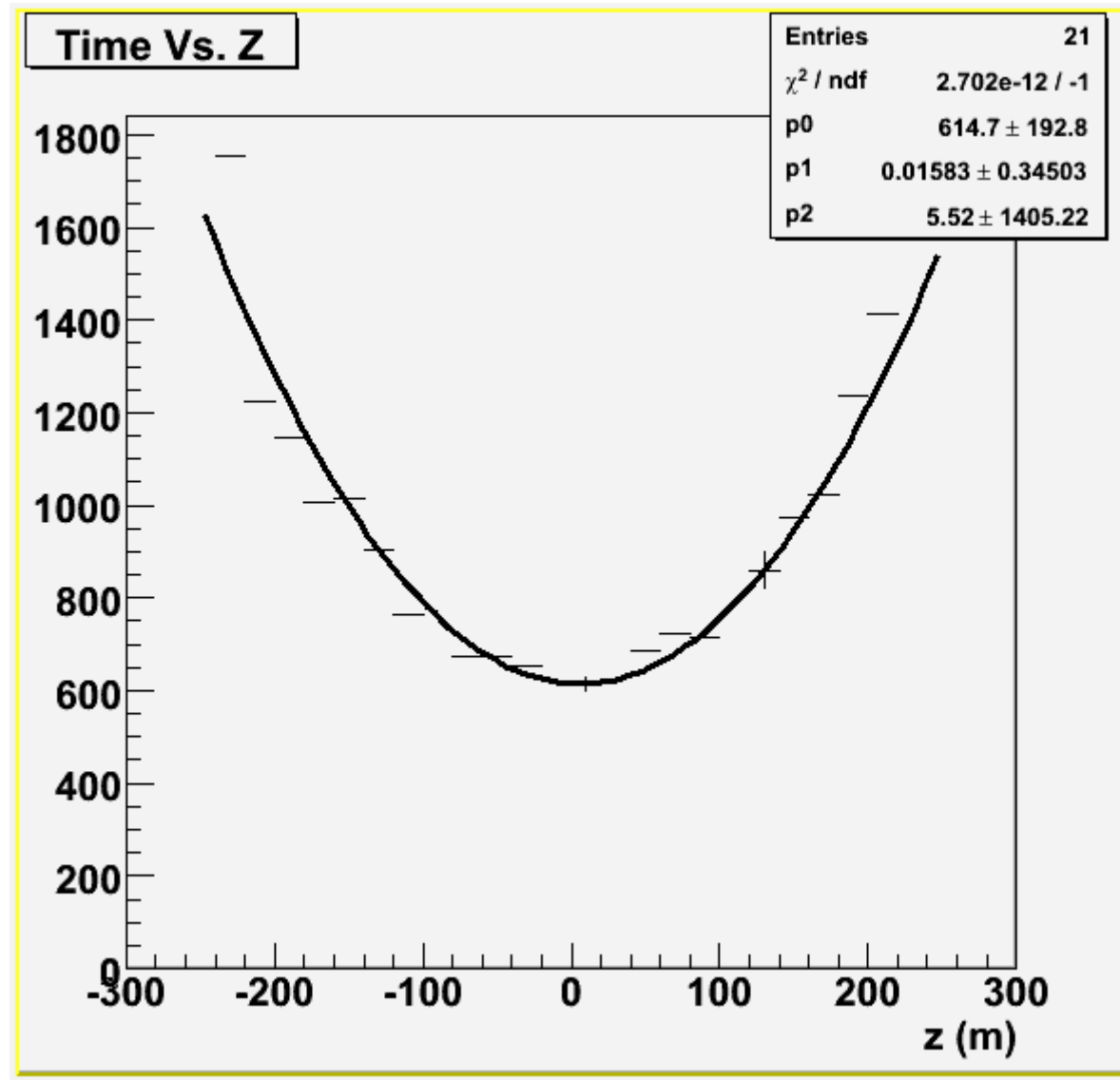| hi1	
Entries	79
Mean	-0.4732
RMS	3.021

dist diff (m)

icecube.geo

Photon arrival time distributions for String 29 DOMs

$$f(x) = N \left((x-\mu)/\beta\right)^{(\gamma-1)} exp(-(x-\mu)/\beta)$$

$f(x) = N ((x-\mu)/\beta)^{\gamma-1} \, exp(-(x-\mu)/\beta)$

μ

relative z position (z=0 for flashing DOM)