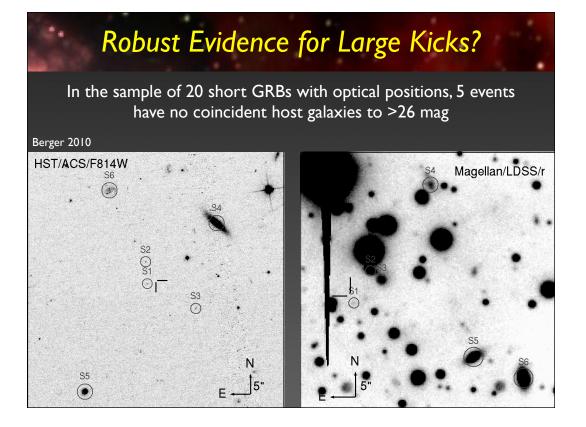
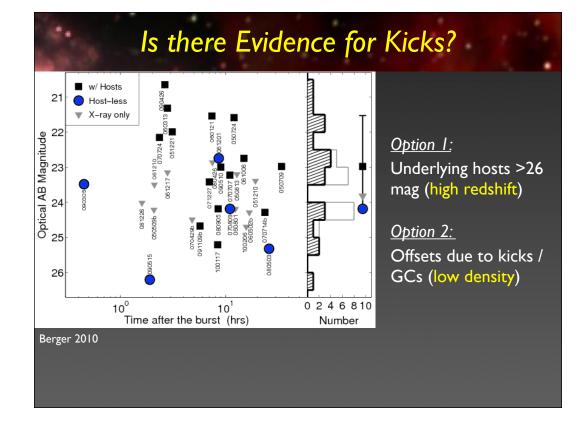
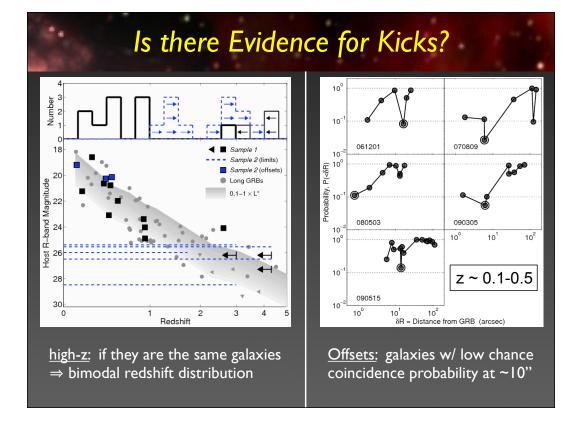


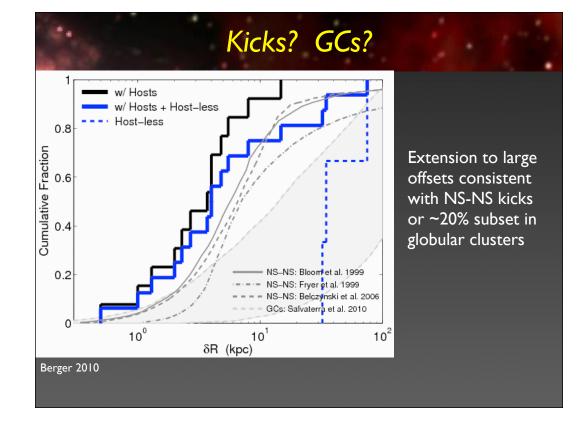
## Implications I

- Short GRBs do <u>not</u> select galaxies just by stellar mass; star formation appears to play a role
- Short GRB progenitors in ellipticals have ages of ~few Gyr; if the progenitors in spirals track star formation their ages are ~0.3 Gyr
- Even if short GRBs in spirals track star formation, their progenitors are much older than long GRB progenitors (with  $\tau$ ~0.05 Gyr)
- We should not trivially reclassify GRBs into Type I and II for events that do not and do track star formation









## Implications II

 Short GRBs with optical afterglows and no coincident hosts are likely due to kicks/GCs; alternatively, a bimodal redshift distribution

The preponderance of evidence points to NS-NS/NS-BH binaries as the progenitors of most short GRBs.

