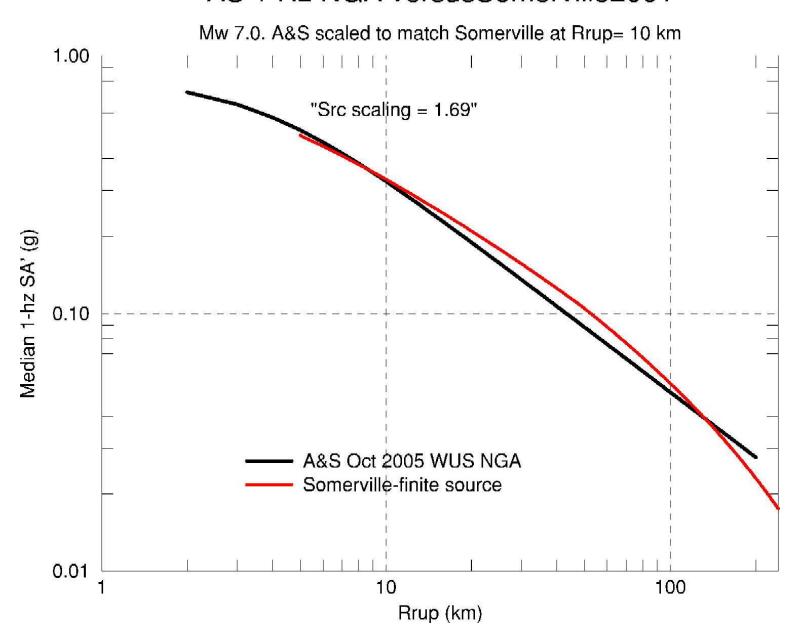
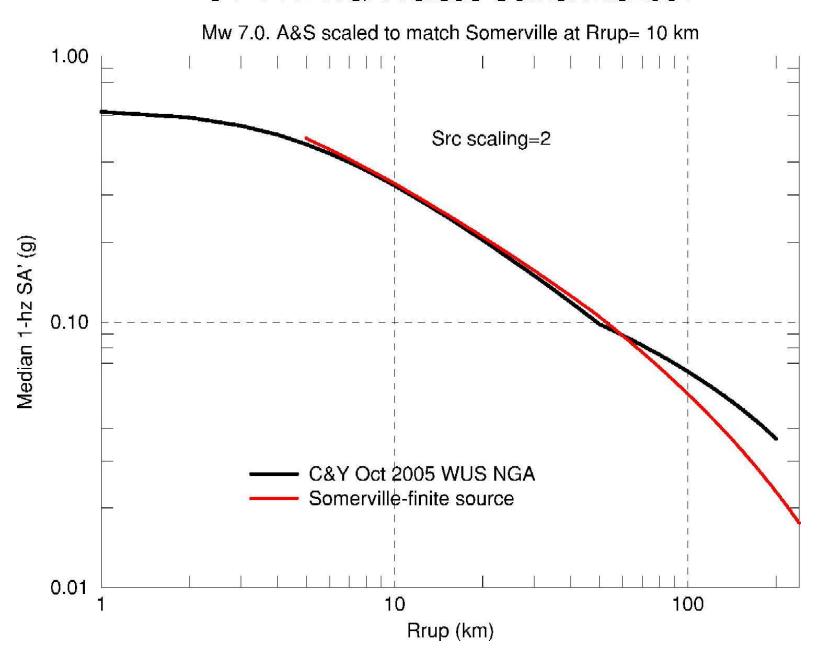
# Some Comparisons of NGA Medians with CEUS Medians

Or, is WUS attenuation any different from CEUS attenuation? Stephen Harmsen, USGS

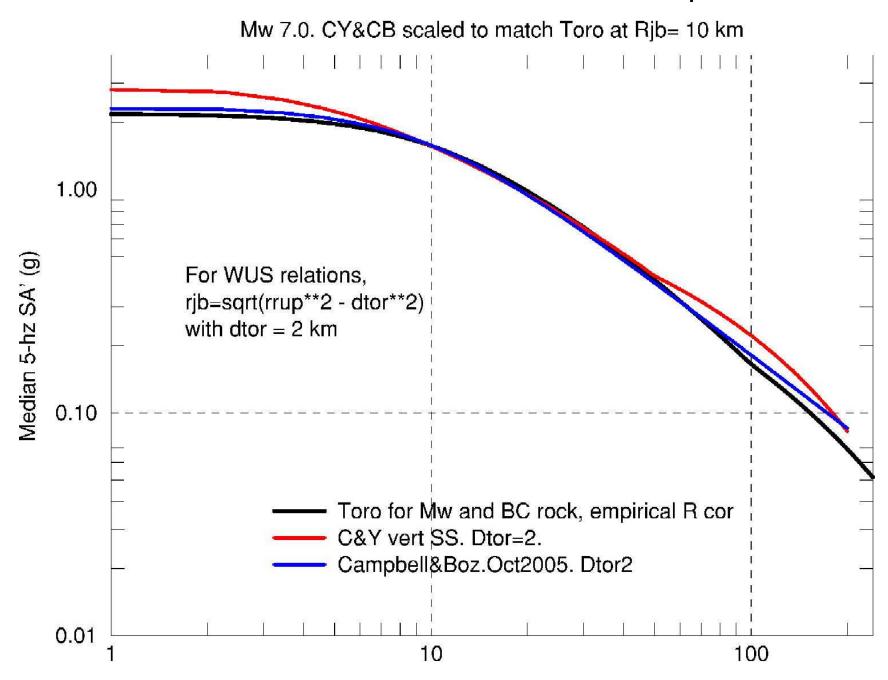
## AS 1 Hz NGA versusSomerville2001



#### CY 1 Hz NGA versus Somerville2001

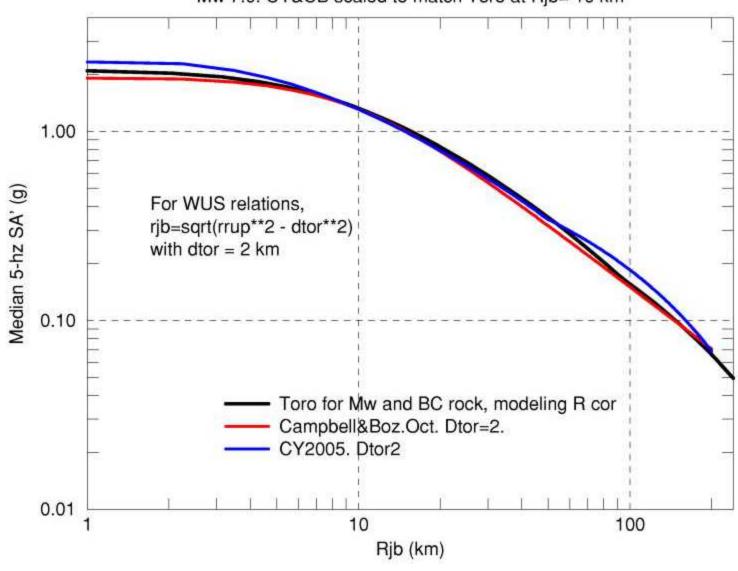


# CY&CB 5 Hz NGA versusToro97w/Empirical Rcor

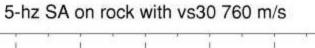


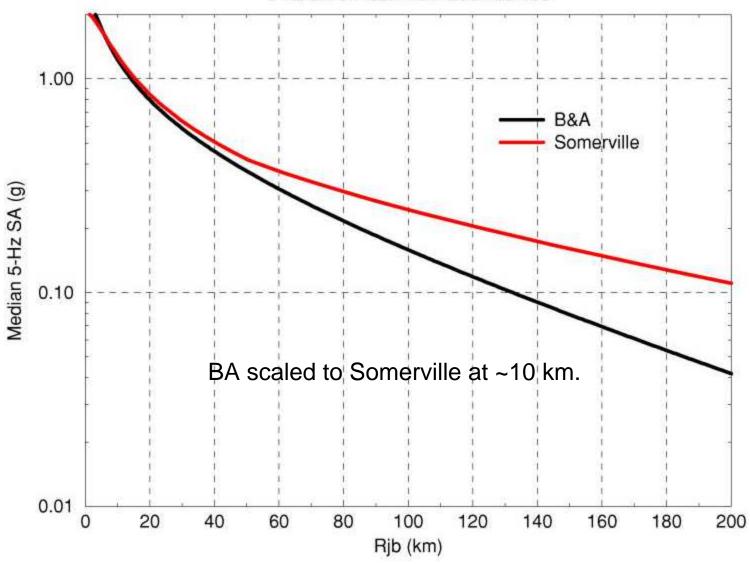
# CY&CB 5 Hz NGA versusToro97w/Modeling Rcor

Mw 7.0. CY&CB scaled to match Toro at Rjb= 10 km



### Boore / Atkinson NGA Dec 2005 and Somerville Finsrc





# Conclusions

- For 1-hz PSA: Several WUS attenuation model medians have about the same diminution with distance as several CEUS models in (0,200 km) range
- For 5-hz PSA: Several WUS attenuation models have about the same diminution with distance as several CEUS models
- Only significant difference between several WUS & CEUS medians is in source scaling: x2
- Some modern relations exhibit the classic WUS/CEUS difference, e.g., BA 2005 for 5-hz SA compared to Somerville.