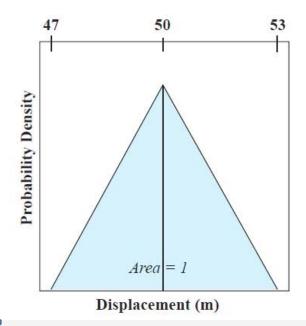
Simplistic Example of Slip Rate PDF Asymmetry

Displacement of Feature

53m

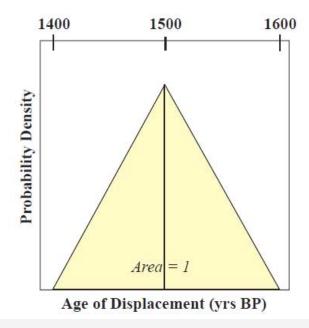
Preferred Displacement: 50 m Symmetrical Uncertainty: +/- 3 m Uncertainty: 12% Minimum Displacement: 47m

Maximum Displacement:



Age of Displaced Feature

1500 yrs BP
$+/-100 {\rm \ yrs}$
13.3%
1600 yrs BP
1400 yrs BP

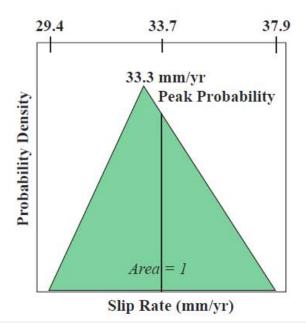


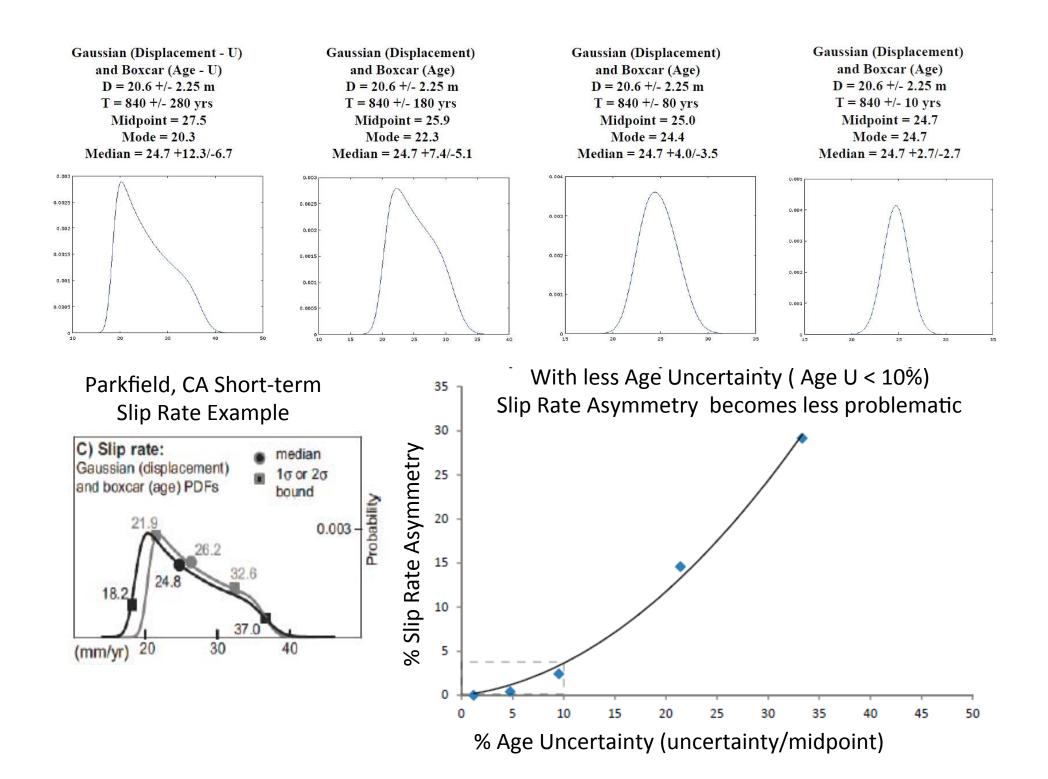
Slip Rates

Mode (Most Probable): 33.3 mm/yr Midpoint (Most Reported): 33.65 mm/yr

Percent skewed 4.1%

Minimum SR: 29.4 mm/yr Maximum Age: 37.9 mm/yr





Take Home Messages:

1) The age of 'young' landforms need to be very well constrained in slip rate studies.

e.g., a 1000 year old landform needs to be dated to less than +/- 100 years) to have a less than 5% asymmetry.

- 2) Old landforms (>10 ka) do not need as tight of age constraints for a good slip rate.
 - +/- 1000 years will do fine.

