**Hazard Histogram** 0.5 1.0 1.5 2.5 3.0 3.5 0.0 2.0 Log10(Num) 1.75 1.5 RSQSim 1/5000yr, 1.0s SA (g) 1.25 0.75 0.5 0.25 0.25 1.75 0.75 1.25 0.5 1.5 UCERF3 1/5000yr, 1.0s SA (g)