

Agenda for Workshop on Recurrence Models for Earthquakes on the Cascadia Subduction Zone (CSZ). Tuesday, Feb. 23, 2021

9:30 A.M. PST. Introduction (Petersen). History of CSZ workshops for the National Seismic Hazard Model (NSHM). Purposes of this workshop.

9:40 Summary of on shore observations (Witter and Staisch)

10:00 Summary of off shore observations (Hill, Nieminski, Watt)

10:20 Summary of logic trees used in 2014 and 2018 NSHMs (Frankel)

10:45 Summary of tasks of Powell Center Working Group on Tsunami Sources (Thio)

10:50-11:00 Break

11:00 Discussion starts (includes questions on talks)

Discussion point 1: Recurrence models for M8 earthquakes in southern portion of CSZ

Discussion point 2: Recurrence models for M8 earthquakes in northern portion of CSZ

Discussion point 3: Possibility that some “M9” earthquakes were temporal clusters of M8 earthquakes that filled out the length of the CSZ over several decades

Discussion point 4: Epistemic and aleatory uncertainties in magnitude estimation

Discussion point 5: Any additional logic tree nodes needed?

Other discussion points

12:30 P.M. Break

12:45 Summary of discussion and action items (Frankel, Wirth, Angster, Sherrod)

1:00 Adjourn