M7.6, Vertical Strike-Slip with Surface Rupture, 20 km 10¹ **400 Events** 7200 Records 10⁰ RotD50 Sa (g) 10^{-1} 10² 10⁻³ 9 10 5 7 2 3 4 Period (s)

-NGA-W2 Mean Prediction — Individual - Acceptance Criteria ■ Simulation Median - ± Extrema

DATASET #1 (line: Solid, width=3.0; color: 0,0,0) NGA-W2 Mean Prediction DATASET #2 (line: Solid, width=1.0; color: 0,0,0) Individual DATASET #3 (line: Solid, width=1.0; color: 0,0,0) null DATASET #4 (line: Solid, width=1.0; color: 0,0,0) null DATASET #5 (line: Solid, width=1.0; color: 0,0,0) null DATASET #6 (line: Solid, width=1.0; color: 0,0,0) null DATASET #7 (line: Dashed, width=2.0; color: 0,0,0) Acceptance Criteria DATASET #8 (line: Dashed, width=2.0; color: 0,0,0) null DATASET #9 (symbol: Filled Squares, width=4.0; color: 255,0,0) Simulation Median DATASET #10 (line: Solid, width=2.0; color: 0,0,255) DATASET #11 (line: Solid, width=2.0; color: 0,0,255) DATASET #12 (line: Solid, width=2.0; color: 0,0,255) DATASET #13 (line: Solid, width=2.0; color: 0,0,255) DATASET #14 (line: Solid, width=1.0; color: 0,0,0) Extrema

DATASET #15 (line: Solid, width=1.0; color: 0,0,0)

DATASET #16 (line: Solid, width=1.0; color: 0,0,0) DATASET #17 (line: Solid, width=2.0; color: 0,0,255) DATASET #18 (line: Solid, width=2.0; color: 0,0,255) DATASET #19 (line: Solid, width=2.0; color: 0,0,255) DATASET #20 (line: Solid, width=2.0; color: 0,0,255) DATASET #21 (line: Solid, width=1.0; color: 0,0,0) DATASET #22 (line: Solid, width=1.0; color: 0,0,0) DATASET #23 (line: Solid, width=1.0; color: 0,0,0) DATASET #24 (line: Solid, width=2.0; color: 0,0,255) DATASET #25 (line: Solid, width=2.0; color: 0,0,255) DATASET #26 (line: Solid, width=2.0; color: 0,0,255) DATASET #27 (line: Solid, width=2.0; color: 0,0,255) DATASET #28 (line: Solid, width=1.0; color: 0,0,0) DATASET #29 (line: Solid, width=1.0; color: 0,0,0) DATASET #30 (line: Solid, width=1.0; color: 0,0,0)

DATASET #31 (line: Solid, width=2.0; color: 0,0,255 DATASET #32 (line: Solid, width=2.0; color: 0,0,255 DATASET #33 (line: Solid, width=2.0; color: 0,0,255 DATASET #34 (line: Solid, width=2.0; color: 0,0,255 DATASET #35 (line: Solid, width=1.0; color: 0,0,0) DATASET #36 (line: Solid, width=1.0; color: 0,0,0) DATASET #37 (line: Solid, width=1.0; color: 0,0,0) DATASET #38 (line: Solid, width=2.0; color: 0,0,255 DATASET #39 (line: Solid, width=2.0; color: 0,0,255 DATASET #40 (line: Solid, width=2.0; color: 0,0,255 DATASET #41 (line: Solid, width=2.0; color: 0,0,255 DATASET #42 (line: Solid, width=1.0; color: 0,0,0) DATASET #43 (line: Solid, width=1.0; color: 0,0,0) DATASET #44 (line: Solid, width=1.0; color: 0,0,0) DATASET #45 (line: Solid, width=2.0; color: 0,0,255

5)			
5)			
5)			
5)			
5)			
5)			
5)			
5)			
5)			

DATASET #46 (line: Solid, width=2.0; color: 0,0,255) DATASET #47 (line: Solid, width=2.0; color: 0,0,255) DATASET #48 (line: Solid, width=2.0; color: 0,0,255) DATASET #49 (line: Solid, width=1.0; color: 0,0,0) DATASET #50 (line: Solid, width=1.0; color: 0,0,0) DATASET #51 (line: Solid, width=1.0; color: 0,0,0) DATASET #52 (line: Solid, width=2.0; color: 0,0,255) DATASET #53 (line: Solid, width=2.0; color: 0,0,255) DATASET #54 (line: Solid, width=2.0; color: 0,0,255) DATASET #55 (line: Solid, width=2.0; color: 0,0,255) DATASET #56 (line: Solid, width=1.0; color: 0,0,0) DATASET #57 (line: Solid, width=1.0; color: 0,0,0) DATASET #58 (line: Solid, width=1.0; color: 0,0,0) DATASET #59 (line: Solid, width=2.0; color: 0,0,255) DATASET #60 (line: Solid, width=2.0; color: 0,0,255)

DATASET #61 (line: Solid, width=2.0; color: 0,0,255) DATASET #62 (line: Solid, width=2.0; color: 0,0,255) DATASET #63 (line: Solid, width=1.0; color: 0,0,0) DATASET #64 (line: Solid, width=1.0; color: 0,0,0) DATASET #65 (line: Solid, width=1.0; color: 0,0,0) DATASET #66 (line: Solid, width=2.0; color: 0,0,255) DATASET #67 (line: Solid, width=2.0; color: 0,0,255) DATASET #68 (line: Solid, width=2.0; color: 0,0,255) DATASET #69 (line: Solid, width=2.0; color: 0,0,255) DATASET #70 (line: Solid, width=1.0; color: 0,0,0) DATASET #71 (line: Solid, width=1.0; color: 0,0,0) DATASET #72 (line: Solid, width=1.0; color: 0,0,0) DATASET #73 (line: Solid, width=2.0; color: 0,0,255) DATASET #74 (line: Solid, width=2.0; color: 0,0,255) DATASET #75 (line: Solid, width=2.0; color: 0,0,255) DATASET #76 (line: Solid, width=2.0; color: 0,0,255) DATASET #77 (line: Solid, width=1.0; color: 0,0,0) DATASET #78 (line: Solid, width=1.0; color: 0,0,0) DATASET #79 (line: Solid, width=1.0; color: 0,0,0) DATASET #80 (line: Solid, width=2.0; color: 0,0,255) DATASET #81 (line: Solid, width=2.0; color: 0,0,255) DATASET #82 (line: Solid, width=2.0; color: 0,0,255) DATASET #83 (line: Solid, width=2.0; color: 0,0,255) DATASET #84 (line: Solid, width=1.0; color: 0,0,0) DATASET #85 (line: Solid, width=1.0; color: 0,0,0) DATASET #86 (line: Solid, width=1.0; color: 0,0,0) DATASET #87 (line: Solid, width=2.0; color: 0,0,255) DATASET #88 (line: Solid, width=2.0; color: 0,0,255) DATASET #89 (line: Solid, width=2.0; color: 0,0,255) DATASET #90 (line: Solid, width=2.0; color: 0,0,255)

DATASET #91 (line: Solid, width=1.0; color: 0,0,0) DATASET #92 (line: Solid, width=1.0; color: 0,0,0) DATASET #93 (line: Solid, width=1.0; color: 0,0,0) DATASET #94 (line: Solid, width=2.0; color: 0,0,255) DATASET #95 (line: Solid, width=2.0; color: 0,0,255) DATASET #96 (line: Solid, width=2.0; color: 0,0,255) DATASET #97 (line: Solid, width=2.0; color: 0,0,255) DATASET #98 (line: Solid, width=1.0; color: 0,0,0) DATASET #99 (line: Solid, width=1.0; color: 0,0,0) DATASET #100 (line: Solid, width=1.0; color: 0,0,0) DATASET #101 (line: Solid, width=2.0; color: 0,0,255) DATASET #102 (line: Solid, width=2.0; color: 0,0,255) DATASET #103 (line: Solid, width=2.0; color: 0,0,255) DATASET #104 (line: Solid, width=2.0; color: 0,0,255) DATASET #105 (line: Solid, width=1.0; color: 0,0,0)

DATASET #106 (line: Solid, width=1.0; color: 0,0,0) DATASET #107 (line: Solid, width=1.0; color: 0,0,0) DATASET #108 (line: Solid, width=2.0; color: 0,0,255) DATASET #109 (line: Solid, width=2.0; color: 0,0,255) DATASET #110 (line: Solid, width=2.0; color: 0,0,255) DATASET #111 (line: Solid, width=2.0; color: 0,0,255) DATASET #112 (line: Solid, width=1.0; color: 0,0,0) DATASET #113 (line: Solid, width=1.0; color: 0,0,0) DATASET #114 (line: Solid, width=1.0; color: 0,0,0) DATASET #115 (line: Solid, width=2.0; color: 0,0,255) DATASET #116 (line: Solid, width=2.0; color: 0,0,255) DATASET #117 (line: Solid, width=2.0; color: 0,0,255) DATASET #118 (line: Solid, width=2.0; color: 0,0,255) DATASET #119 (line: Solid, width=1.0; color: 0,0,0)

DATASET #120 (line: Solid, width=1.0; color: 0,0,0)

DATASET #121 (line: Solid, width=1.0; color: 0,0,0) DATASET #122 (line: Solid, width=2.0; color: 0,0,255) DATASET #123 (line: Solid, width=2.0; color: 0,0,255) DATASET #124 (line: Solid, width=2.0; color: 0,0,255) DATASET #125 (line: Solid, width=2.0; color: 0,0,255) DATASET #126 (line: Solid, width=1.0; color: 0,0,0) DATASET #127 (line: Solid, width=1.0; color: 0,0,0) DATASET #128 (line: Solid, width=1.0; color: 0,0,0) DATASET #129 (line: Solid, width=2.0; color: 0,0,255) DATASET #130 (line: Solid, width=2.0; color: 0,0,255) DATASET #131 (line: Solid, width=2.0; color: 0,0,255) DATASET #132 (line: Solid, width=2.0; color: 0,0,255) DATASET #133 (line: Solid, width=1.0; color: 0,0,0) DATASET #134 (line: Solid, width=1.0; color: 0,0,0) DATASET #135 (line: Solid, width=1.0; color: 0,0,0)

DATASET #136 (line: Solid, width=2.0; color: 0,0,255) DATASET #137 (line: Solid, width=2.0; color: 0,0,255) DATASET #138 (line: Solid, width=2.0; color: 0,0,255) DATASET #139 (line: Solid, width=2.0; color: 0,0,255) DATASET #140 (line: Solid, width=1.0; color: 0,0,0) DATASET #141 (line: Solid, width=1.0; color: 0,0,0) DATASET #142 (line: Solid, width=1.0; color: 0,0,0) DATASET #143 (line: Solid, width=2.0; color: 0,0,255) DATASET #144 (line: Solid, width=2.0; color: 0,0,255) DATASET #145 (line: Solid, width=2.0; color: 0,0,255) DATASET #146 (line: Solid, width=2.0; color: 0,0,255) DATASET #147 (line: Solid, width=1.0; color: 0,0,0) DATASET #148 (line: Solid, width=1.0; color: 0,0,0) DATASET #149 (line: Solid, width=1.0; color: 0,0,0) DATASET #150 (line: Solid, width=2.0; color: 0,0,255)

DATASET #151 (line: Solid, width=2.0; color: 0,0,255) DATASET #152 (line: Solid, width=2.0; color: 0,0,255) DATASET #153 (line: Solid, width=2.0; color: 0,0,255) DATASET #154 (line: Solid, width=1.0; color: 0,0,0) DATASET #155 (line: Solid, width=1.0; color: 0,0,0) DATASET #156 (line: Solid, width=1.0; color: 0,0,0) DATASET #157 (line: Solid, width=2.0; color: 0,0,255) DATASET #158 (line: Solid, width=2.0; color: 0,0,255) DATASET #159 (line: Solid, width=2.0; color: 0,0,255) DATASET #160 (line: Solid, width=2.0; color: 0,0,255) DATASET #161 (line: Solid, width=1.0; color: 0,0,0) DATASET #162 (line: Solid, width=1.0; color: 0,0,0) DATASET #163 (line: Solid, width=1.0; color: 0,0,0) DATASET #164 (symbol: Filled Squares, width=4.0; color: 255,0,0)