

avnlp9 - Ground motion set 2

September 29, 2022

List of Figures

1	Full FLAC mesh of avnlp9	2
2	Free-face section of FLAC mesh of avnlp9	2
3	Profile performance (2D) avnlp9 - Sept. 2010 [scale: 0.5] at free-face	3
4	Profile performance (2D) avnlp9 - Sept. 2010 [scale: 0.5] at $x = 5 \cdot H_{face}$	3
5	Profile performance (2D) avnlp9 - Sept. 2010 [scale: 0.5] at free-field	4
6	Profile performance (2D) avnlp9 - Sept. 2010 [scale: 0.75] at free-face	4
7	Profile performance (2D) avnlp9 - Sept. 2010 [scale: 0.75] at $x = 5 \cdot H_{face}$	5
8	Profile performance (2D) avnlp9 - Sept. 2010 [scale: 0.75] at free-field	5
9	Profile performance (2D) avnlp9 - Sept. 2010 [scale: 1.0] at free-face	6
10	Profile performance (2D) avnlp9 - Sept. 2010 [scale: 1.0] at $x = 5 \cdot H_{face}$	6
11	Profile performance (2D) avnlp9 - Sept. 2010 [scale: 1.0] at free-field	7
12	Profile performance (2D) avnlp9 - Sept. 2010 [scale: 1.25] at free-face	7
13	Profile performance (2D) avnlp9 - Sept. 2010 [scale: 1.25] at $x = 5 \cdot H_{face}$	8
14	Profile performance (2D) avnlp9 - Sept. 2010 [scale: 1.25] at free-field	8
15	Profile performance (2D) avnlp9 - Sept. 2010 [scale: 1.5] at free-face	9
16	Profile performance (2D) avnlp9 - Sept. 2010 [scale: 1.5] at $x = 5 \cdot H_{face}$	9
17	Profile performance (2D) avnlp9 - Sept. 2010 [scale: 1.5] at free-field	10
18	Profile performance (2D) avnlp9 - Feb. 2011 [scale: 0.5] at free-face	10
19	Profile performance (2D) avnlp9 - Feb. 2011 [scale: 0.5] at $x = 5 \cdot H_{face}$	11
20	Profile performance (2D) avnlp9 - Feb. 2011 [scale: 0.5] at free-field	11
21	Profile performance (2D) avnlp9 - Feb. 2011 [scale: 0.75] at free-face	12
22	Profile performance (2D) avnlp9 - Feb. 2011 [scale: 0.75] at $x = 5 \cdot H_{face}$	12
23	Profile performance (2D) avnlp9 - Feb. 2011 [scale: 0.75] at free-field	13
24	Profile performance (2D) avnlp9 - Feb. 2011 [scale: 1.0] at free-face	13
25	Profile performance (2D) avnlp9 - Feb. 2011 [scale: 1.0] at $x = 5 \cdot H_{face}$	14
26	Profile performance (2D) avnlp9 - Feb. 2011 [scale: 1.0] at free-field	14
27	Profile performance (2D) avnlp9 - Feb. 2011 [scale: 1.25] at free-face	15
28	Profile performance (2D) avnlp9 - Feb. 2011 [scale: 1.25] at $x = 5 \cdot H_{face}$	15
29	Profile performance (2D) avnlp9 - Feb. 2011 [scale: 1.25] at free-field	16
30	Profile performance (2D) avnlp9 - Feb. 2011 [scale: 1.5] at free-face	16
31	Profile performance (2D) avnlp9 - Feb. 2011 [scale: 1.5] at $x = 5 \cdot H_{face}$	17

32	Profile performance (2D) avnlp9 - Feb. 2011 [scale: 1.5] at free-field	17
33	Comparison of surface motions: avnlp9	18
34	Horizontal displacement [mesh]: avnlp9 - Sept. 2010 [scale: 0.5]	18
35	Horizontal displacement [mesh]: avnlp9 - Sept. 2010 [scale: 0.75]	19
36	Horizontal displacement [mesh]: avnlp9 - Sept. 2010 [scale: 1.0]	19
37	Horizontal displacement [mesh]: avnlp9 - Sept. 2010 [scale: 1.25]	19
38	Horizontal displacement [mesh]: avnlp9 - Sept. 2010 [scale: 1.5]	19
39	Horizontal displacement [mesh]: avnlp9 - Feb. 2011 [scale: 0.5]	19
40	Horizontal displacement [mesh]: avnlp9 - Feb. 2011 [scale: 0.75]	20
41	Horizontal displacement [mesh]: avnlp9 - Feb. 2011 [scale: 1.0]	20
42	Horizontal displacement [mesh]: avnlp9 - Feb. 2011 [scale: 1.25]	20
43	Horizontal displacement [mesh]: avnlp9 - Feb. 2011 [scale: 1.5]	20
44	Lateral displacement vs depth: avnlp9 - Sept. 2010	21
45	Lateral displacement vs depth: avnlp9 - Feb. 2011	21
46	Lateral displacement vs distance: avnlp9	22
47	Lateral displacement vs time: avnlp9	23

1 avnl9 - Individual results

1.1 avnl9

Free face height: 2.2 m

Channel width: 13.0 m

No. CPTs: 3



Figure 1: Full FLAC mesh of avnl9

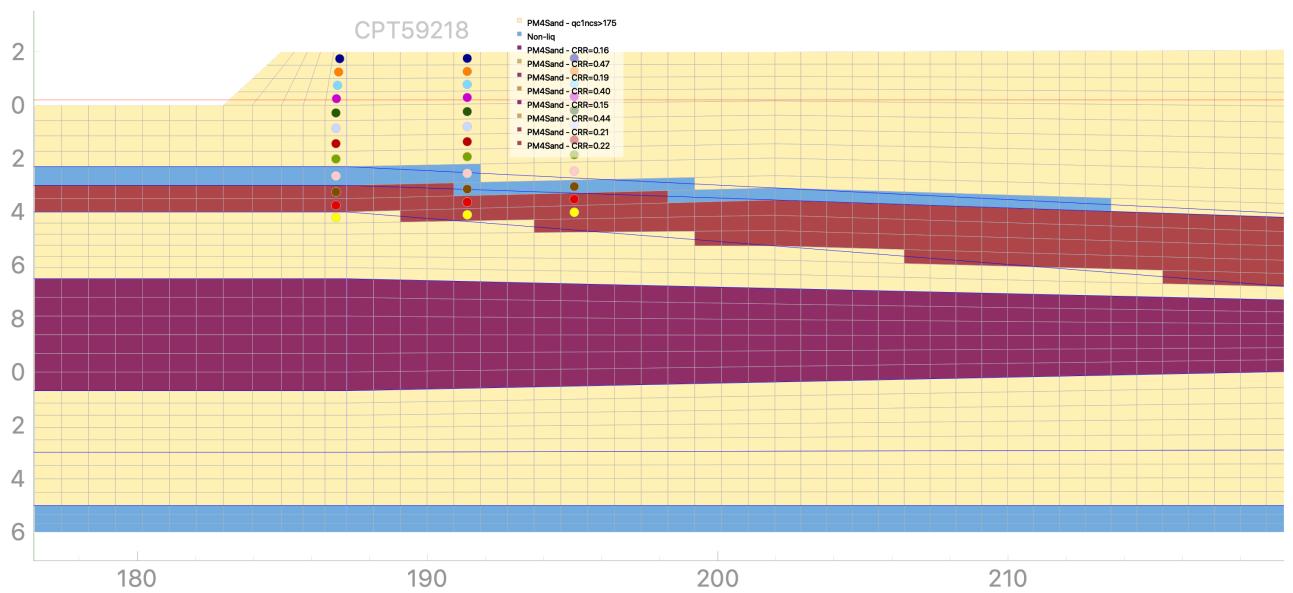


Figure 2: Free-face section of FLAC mesh of avnl9

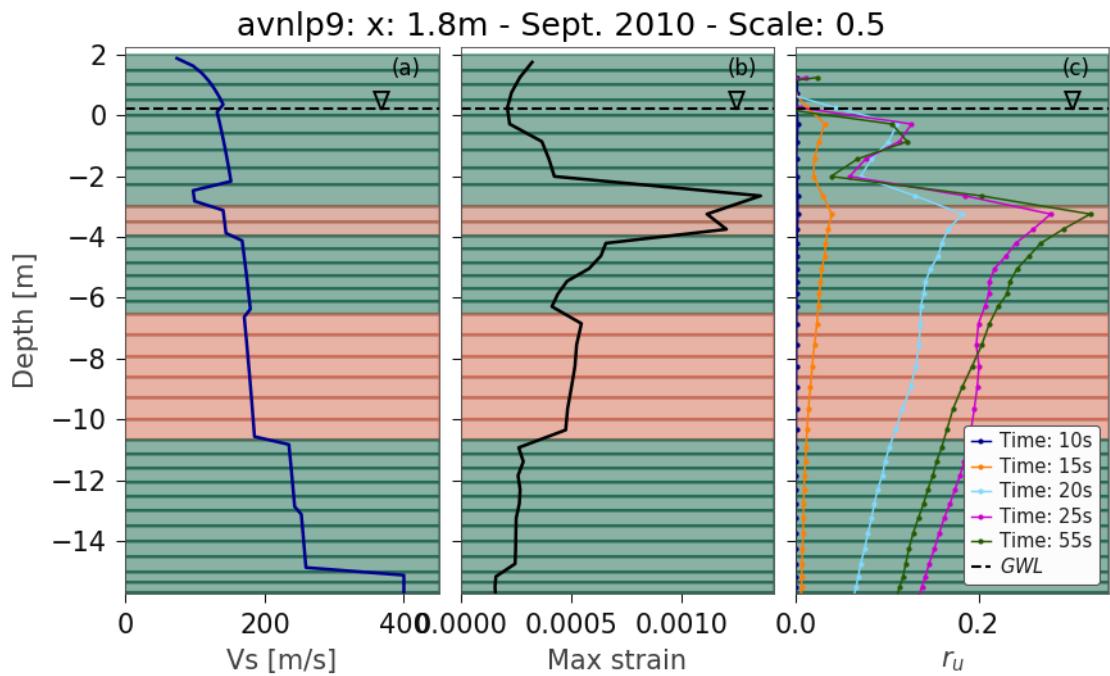


Figure 3: Profile performance (2D) avnl9p - Sept. 2010 [scale: 0.5] at free-face

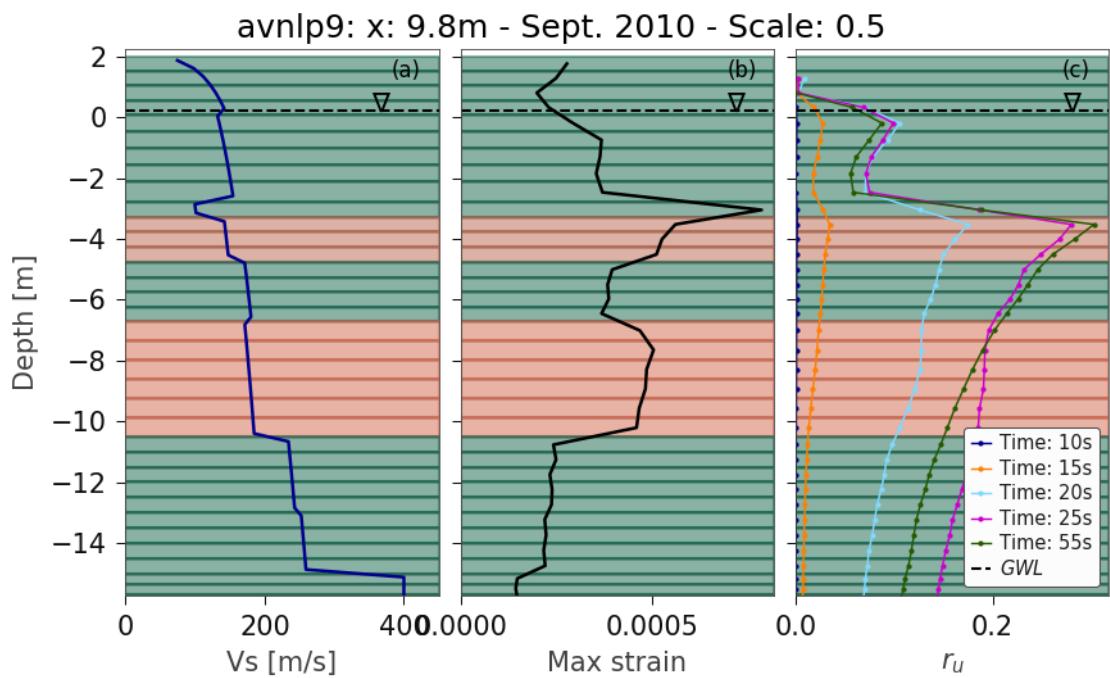


Figure 4: Profile performance (2D) avnl9p - Sept. 2010 [scale: 0.5] at $x = 5 \cdot H_{face}$

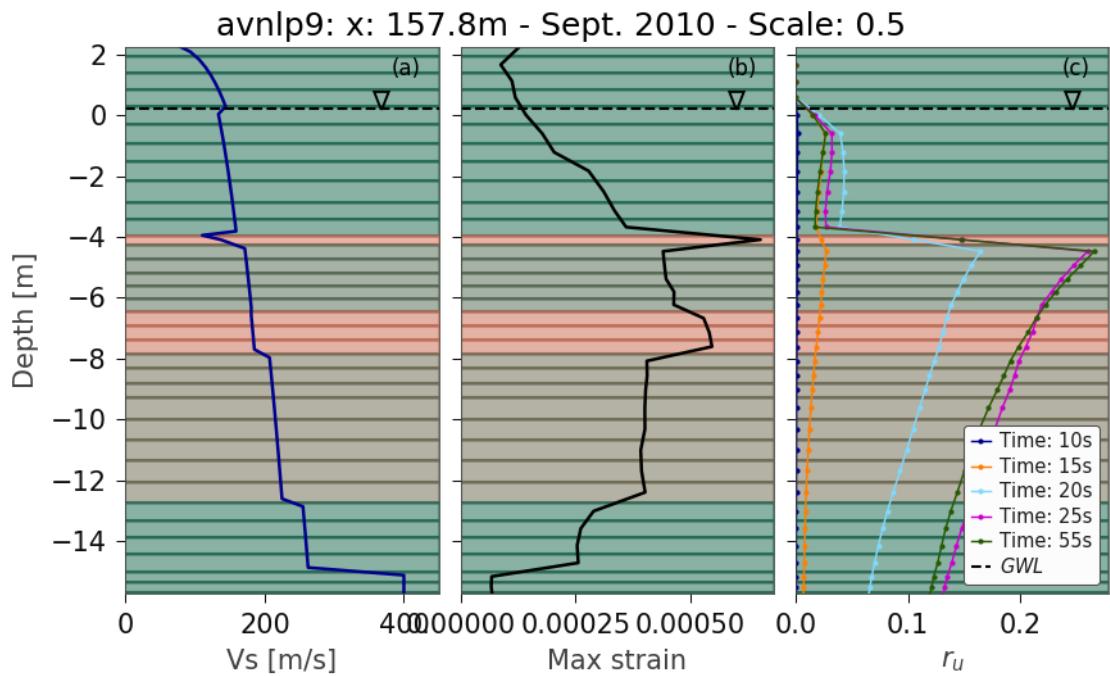


Figure 5: Profile performance (2D) avnl9 - Sept. 2010 [scale: 0.5] at free-field

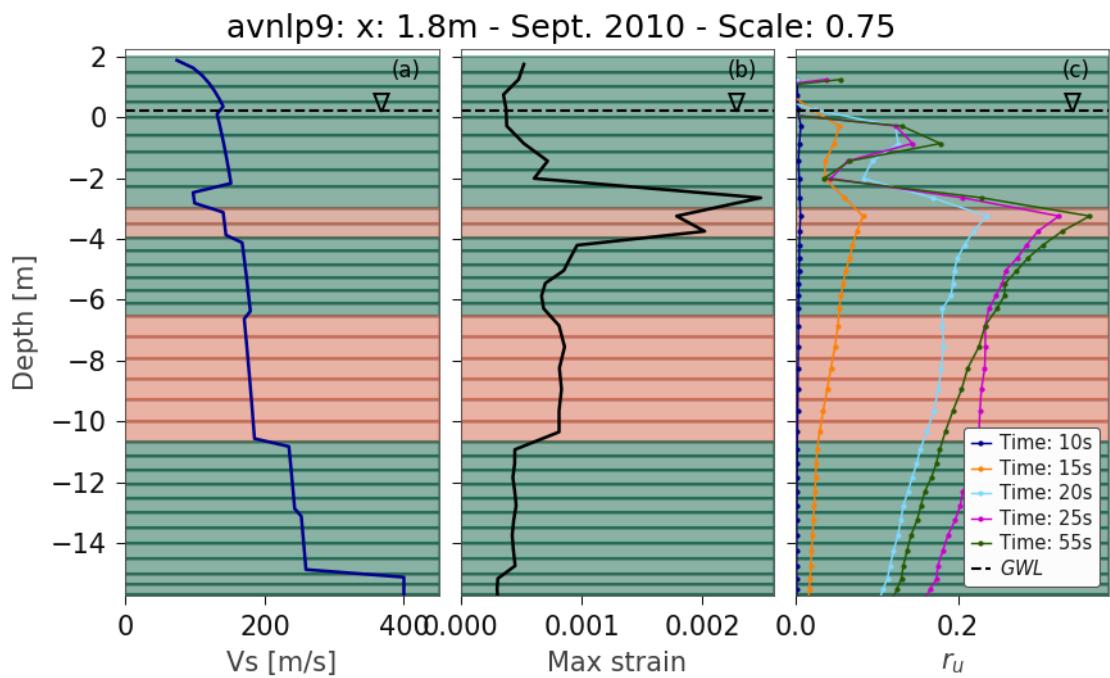


Figure 6: Profile performance (2D) avnl9 - Sept. 2010 [scale: 0.75] at free-face

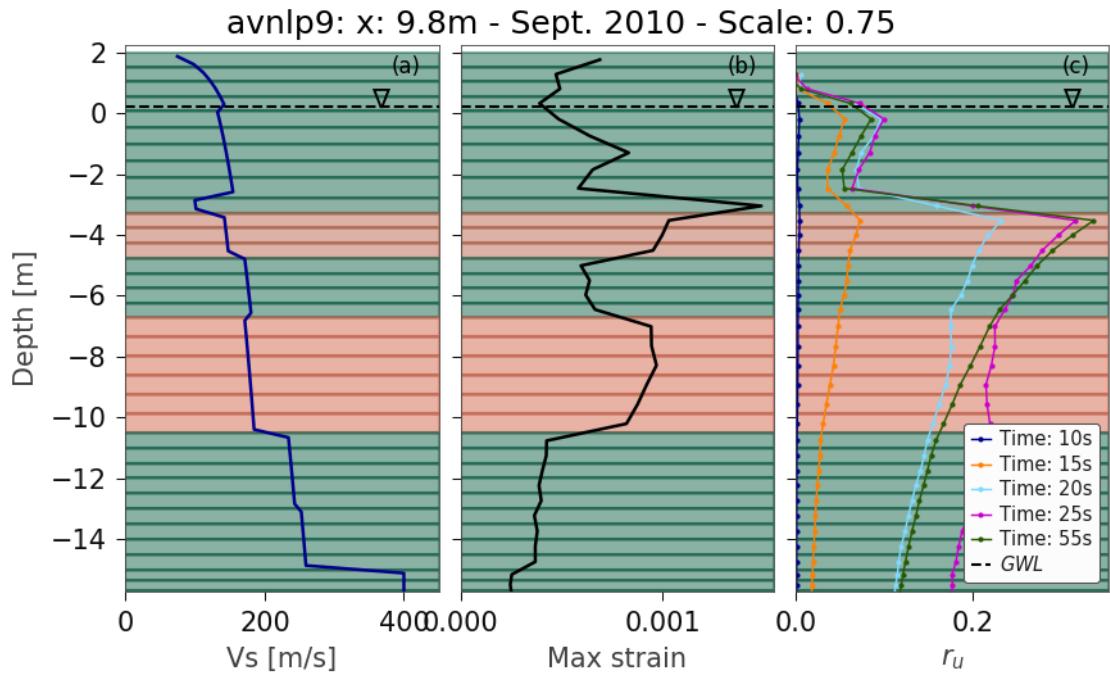


Figure 7: Profile performance (2D) avnl9 - Sept. 2010 [scale: 0.75] at $x = 5 \cdot H_{face}$

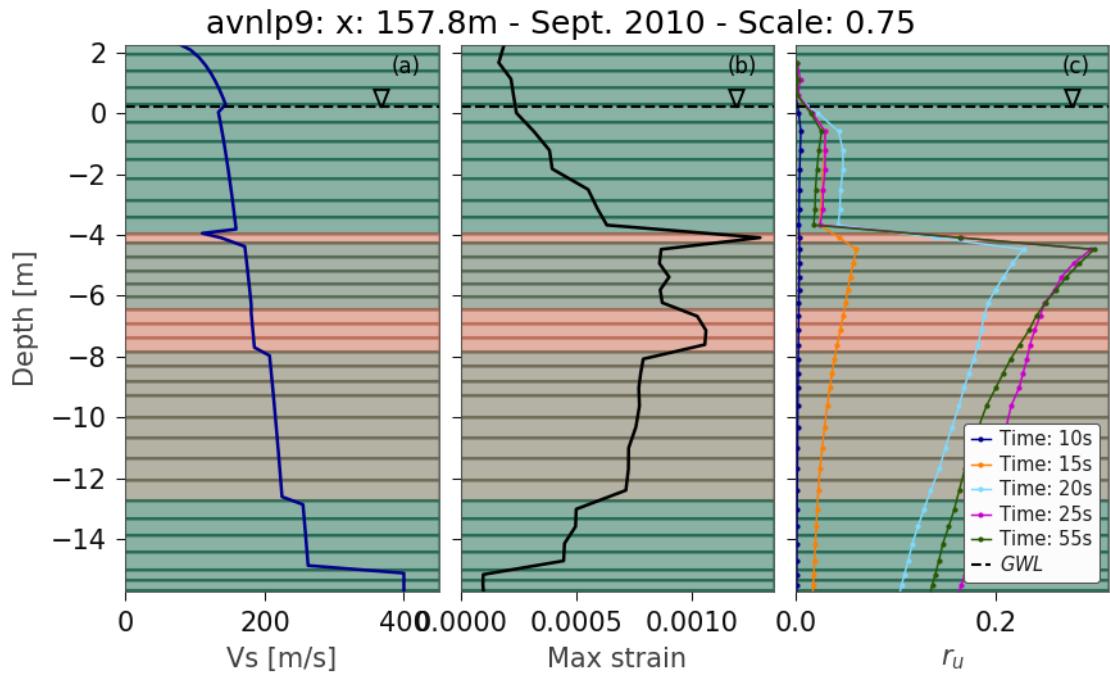


Figure 8: Profile performance (2D) avnl9 - Sept. 2010 [scale: 0.75] at free-field

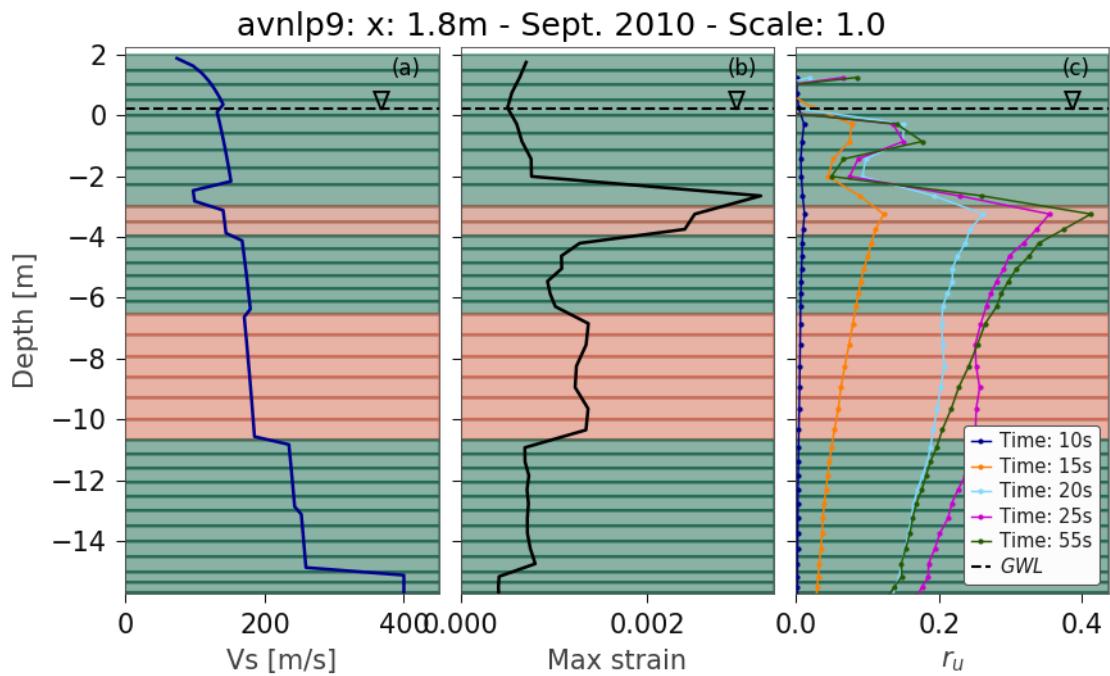


Figure 9: Profile performance (2D) avnl9p - Sept. 2010 [scale: 1.0] at free-face

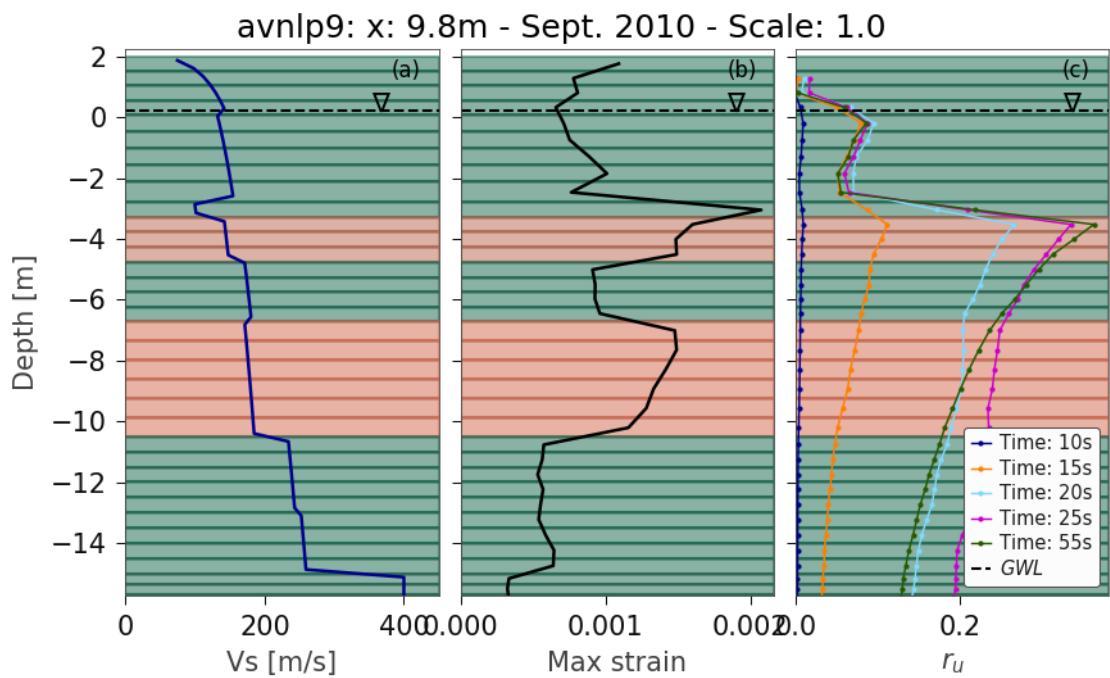


Figure 10: Profile performance (2D) avnl9p - Sept. 2010 [scale: 1.0] at $x = 5 \cdot H_{face}$

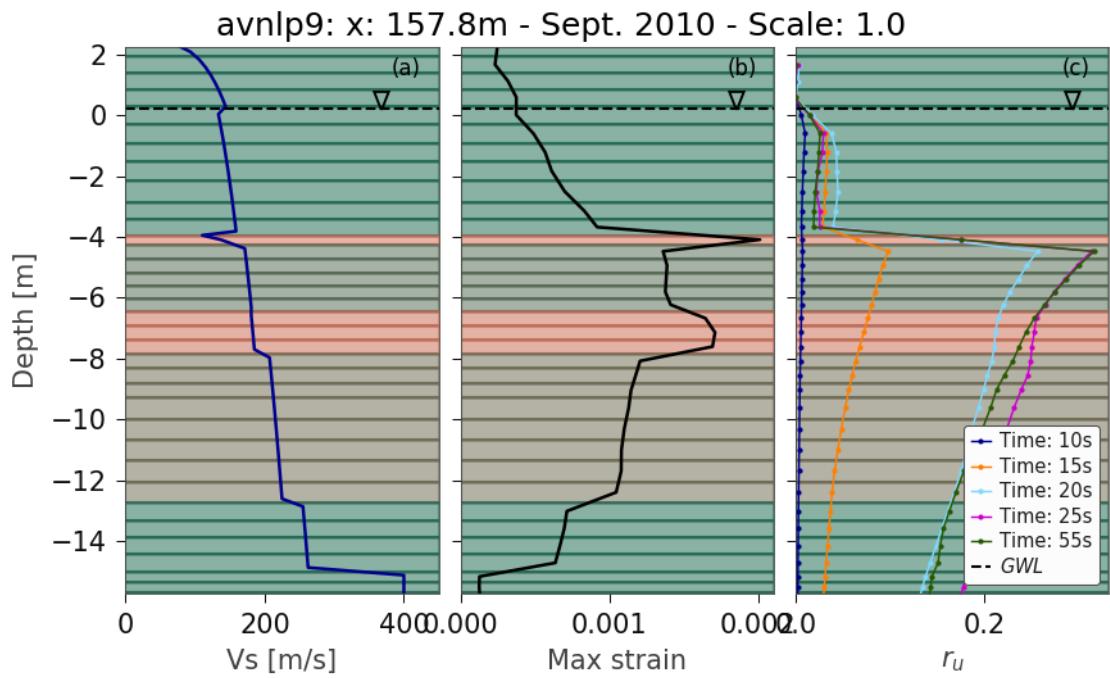


Figure 11: Profile performance (2D) avnl9 - Sept. 2010 [scale: 1.0] at free-field

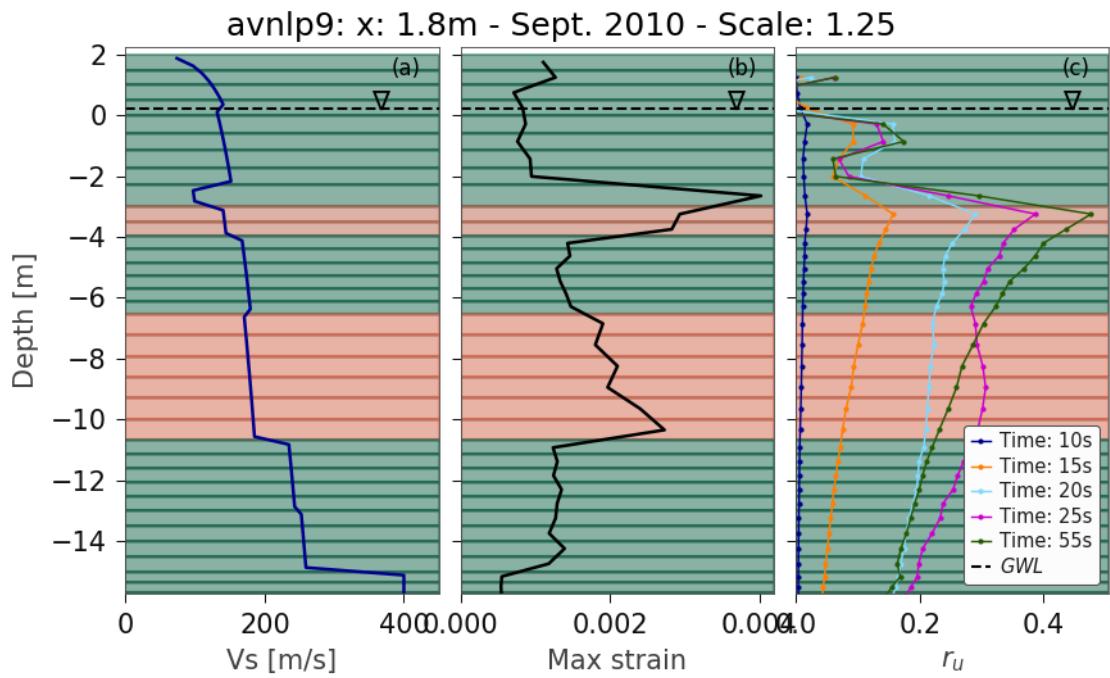


Figure 12: Profile performance (2D) avnl9 - Sept. 2010 [scale: 1.25] at free-face

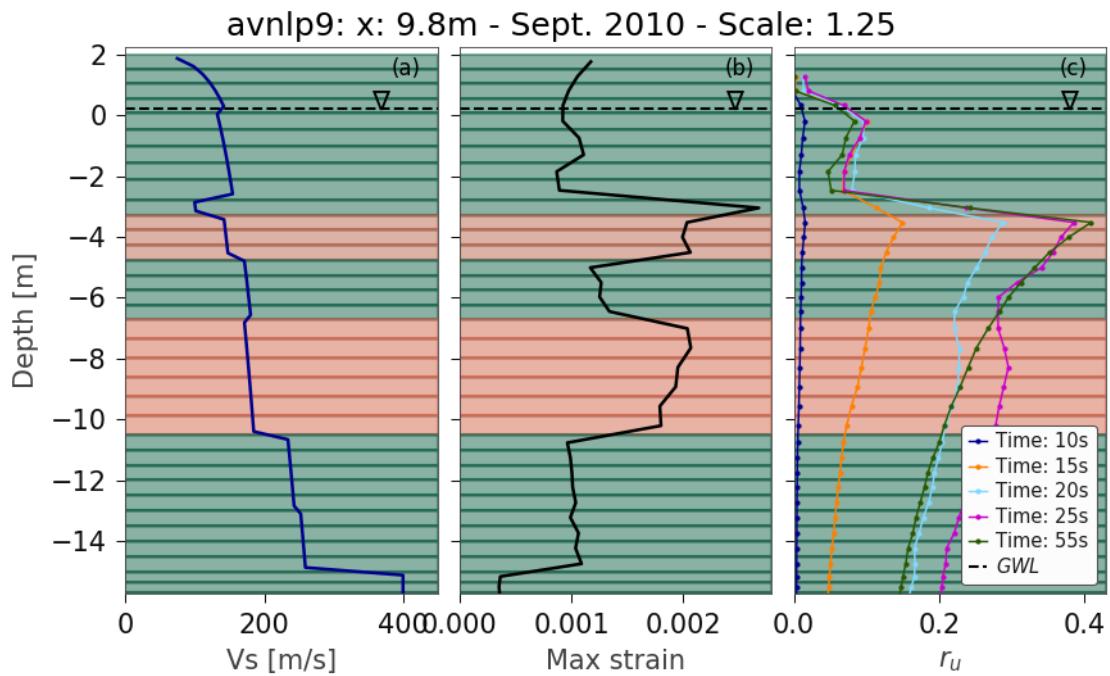


Figure 13: Profile performance (2D) avnl9 - Sept. 2010 [scale: 1.25] at $x = 5 \cdot H_{face}$

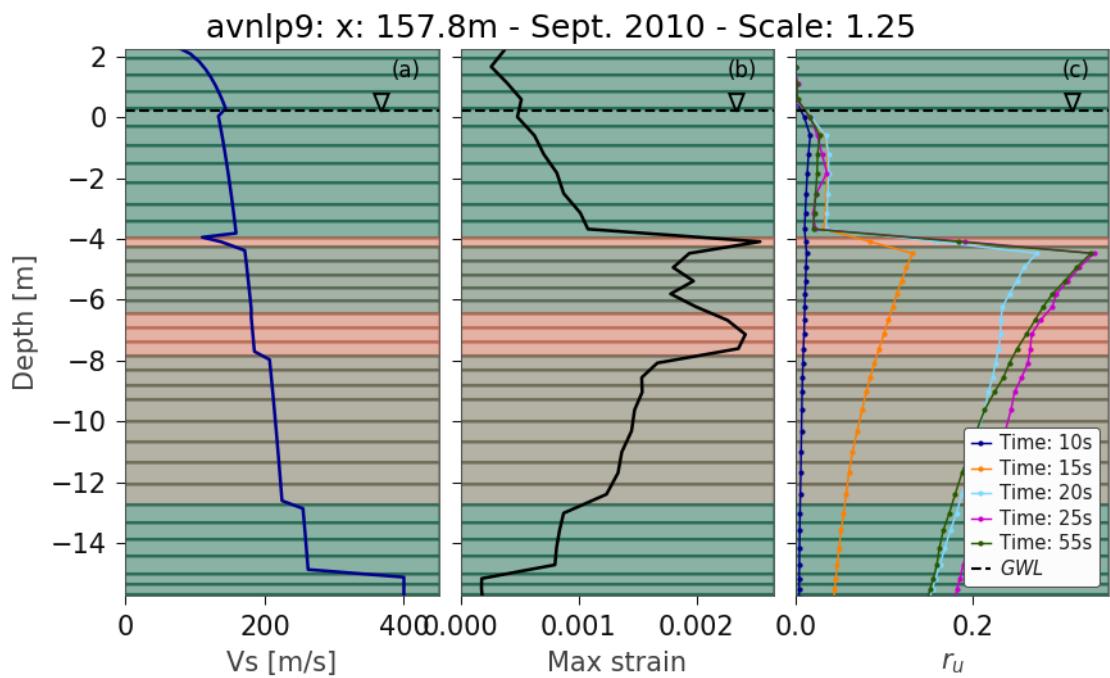


Figure 14: Profile performance (2D) avnl9 - Sept. 2010 [scale: 1.25] at free-field

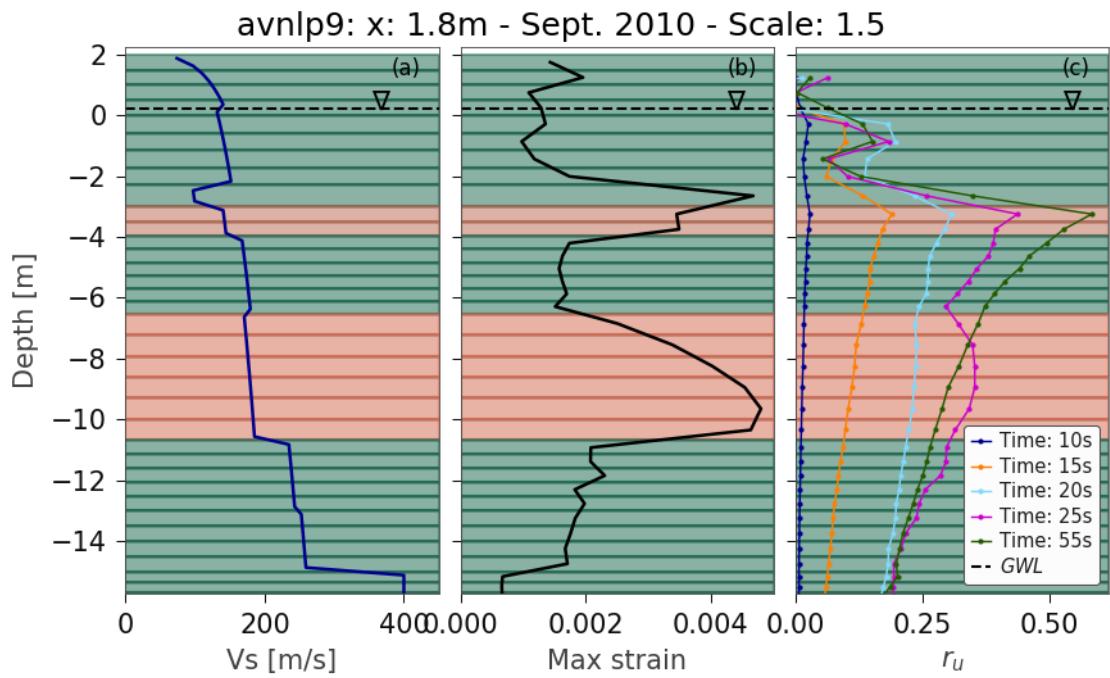


Figure 15: Profile performance (2D) avnl9p9 - Sept. 2010 [scale: 1.5] at free-face

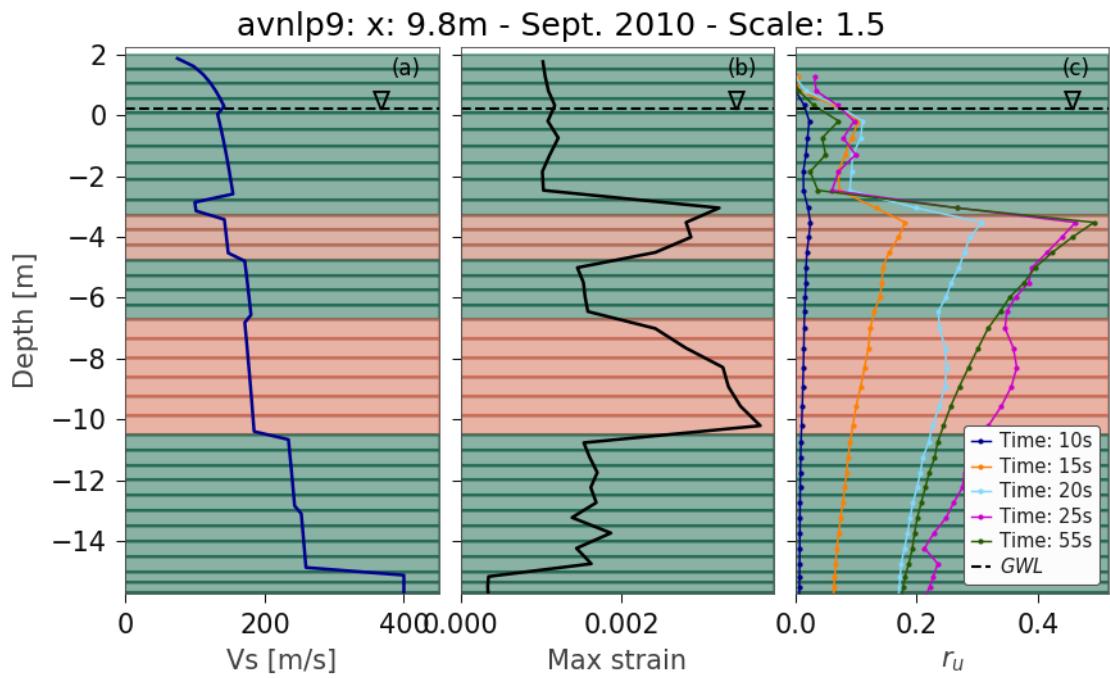


Figure 16: Profile performance (2D) avnl9p9 - Sept. 2010 [scale: 1.5] at $x = 5 \cdot H_{face}$

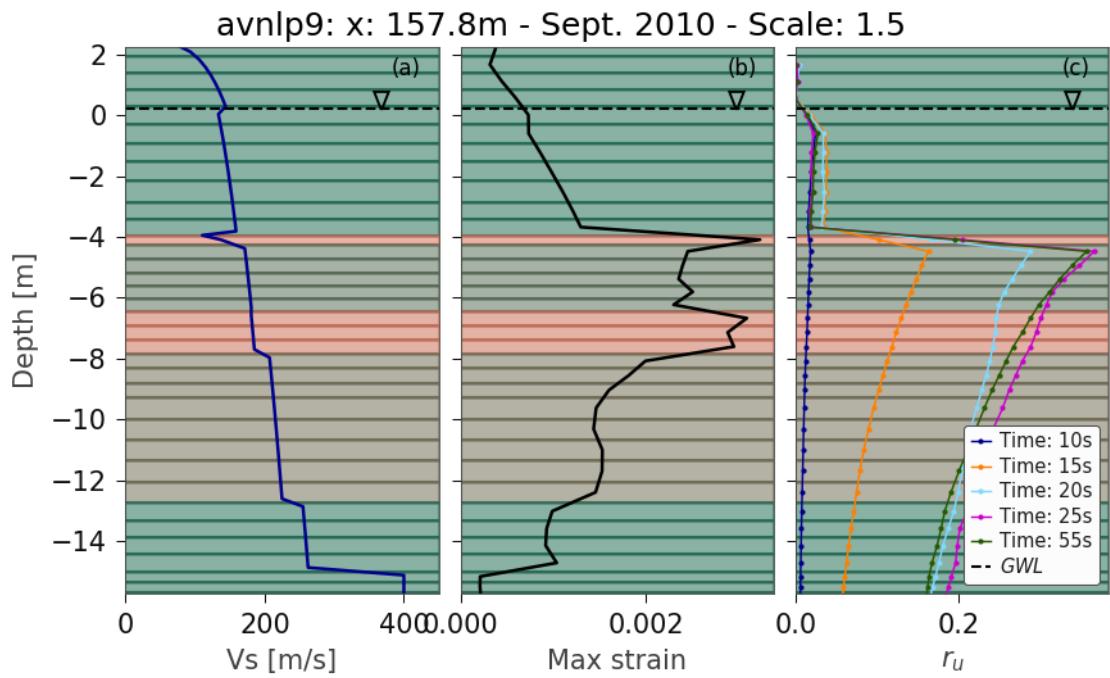


Figure 17: Profile performance (2D) avnl9 - Sept. 2010 [scale: 1.5] at free-field

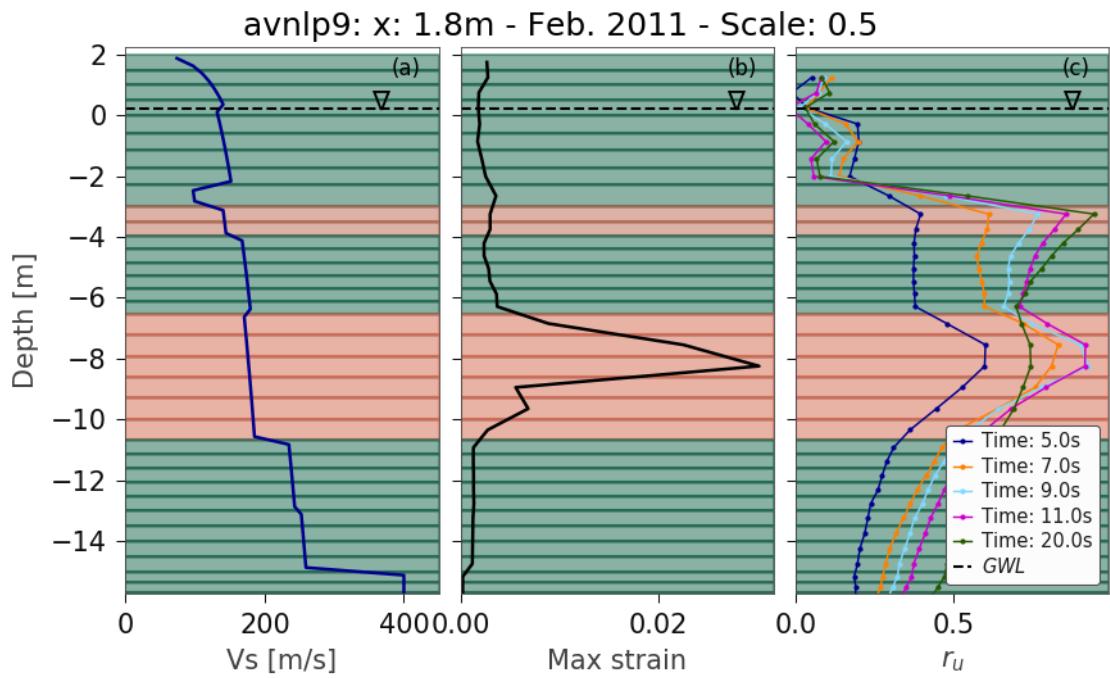


Figure 18: Profile performance (2D) avnl9 - Feb. 2011 [scale: 0.5] at free-face

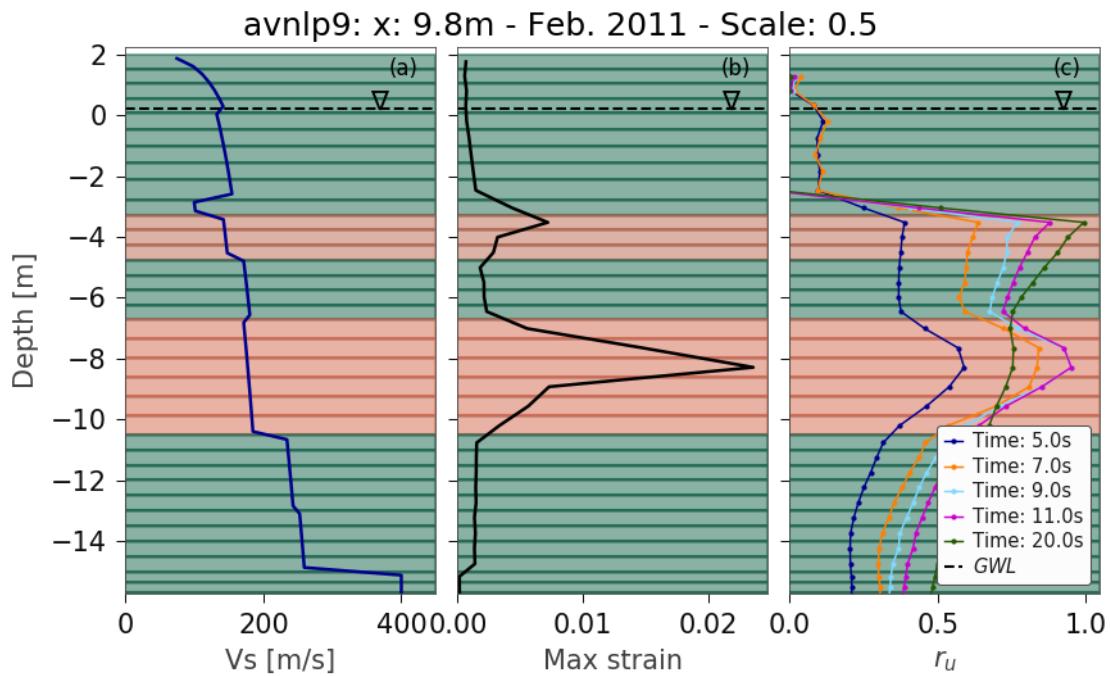


Figure 19: Profile performance (2D) avnlp9 - Feb. 2011 [scale: 0.5] at $x = 5 \cdot H_{face}$

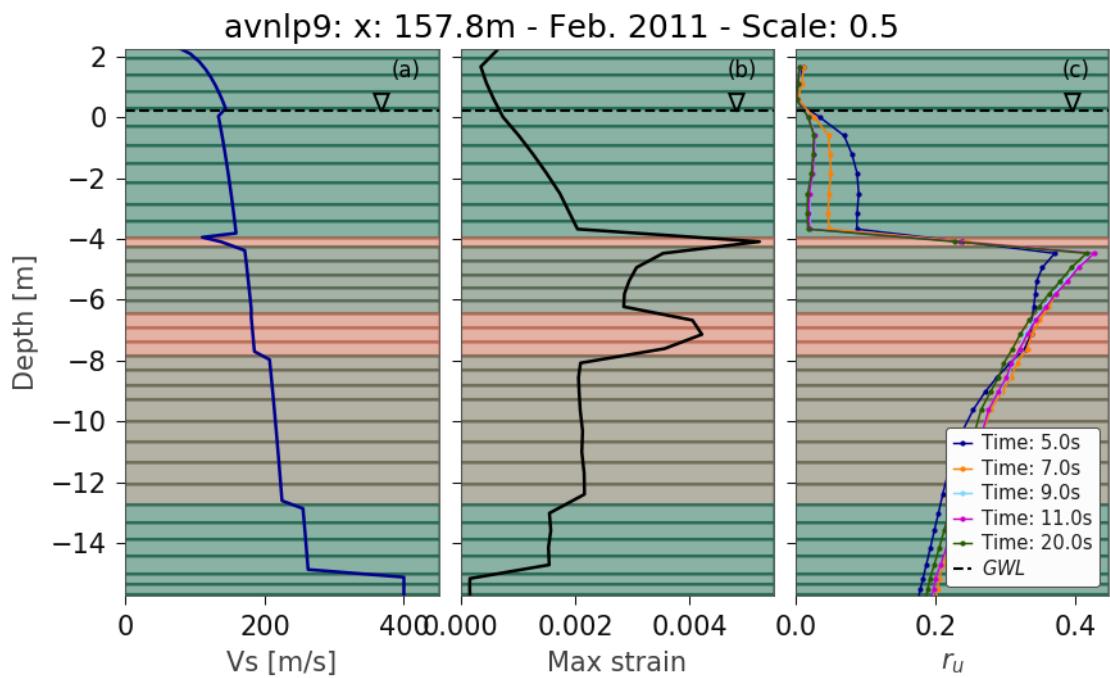


Figure 20: Profile performance (2D) avnlp9 - Feb. 2011 [scale: 0.5] at free-field

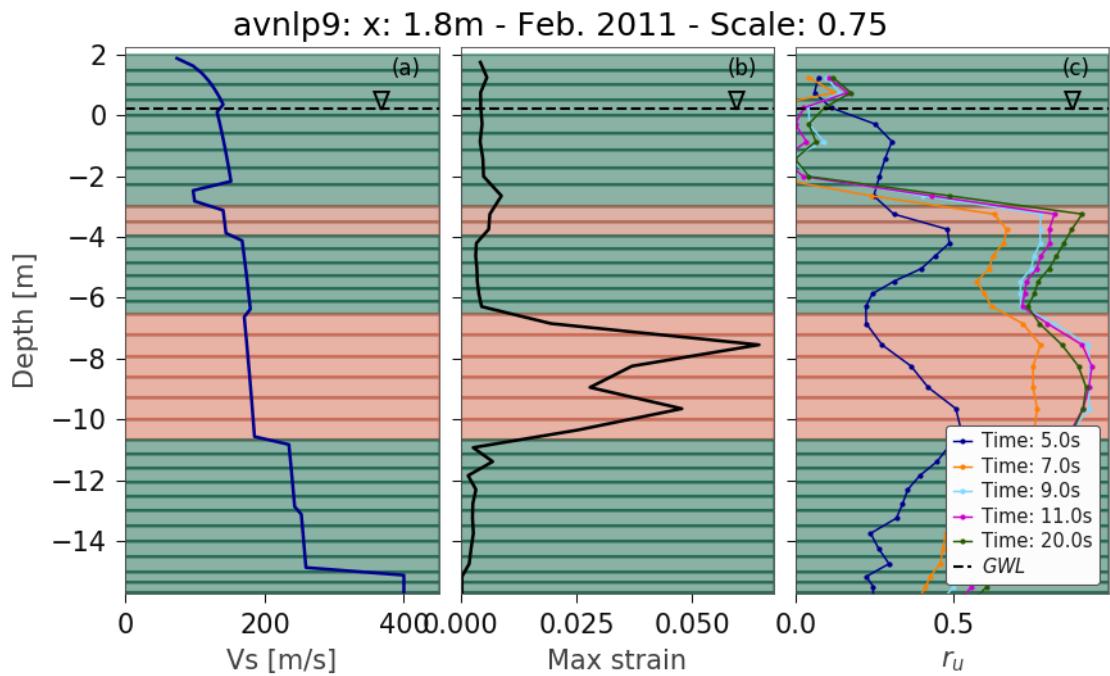


Figure 21: Profile performance (2D) avnl9p - Feb. 2011 [scale: 0.75] at free-face

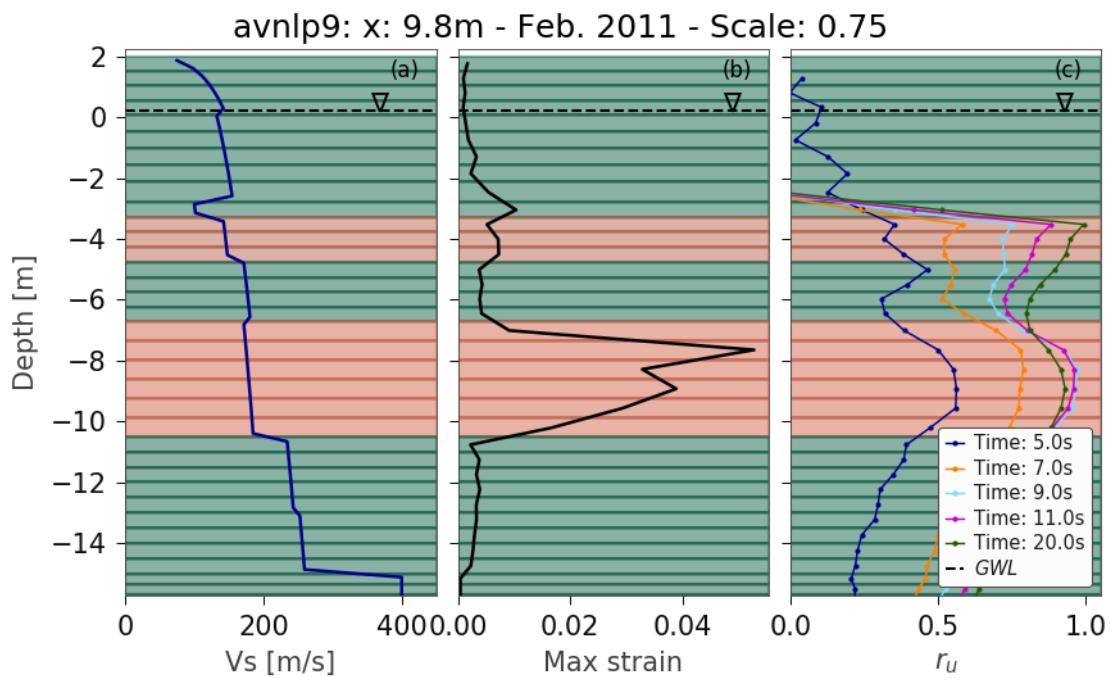


Figure 22: Profile performance (2D) avnl9p - Feb. 2011 [scale: 0.75] at $x = 5 \cdot H_{face}$

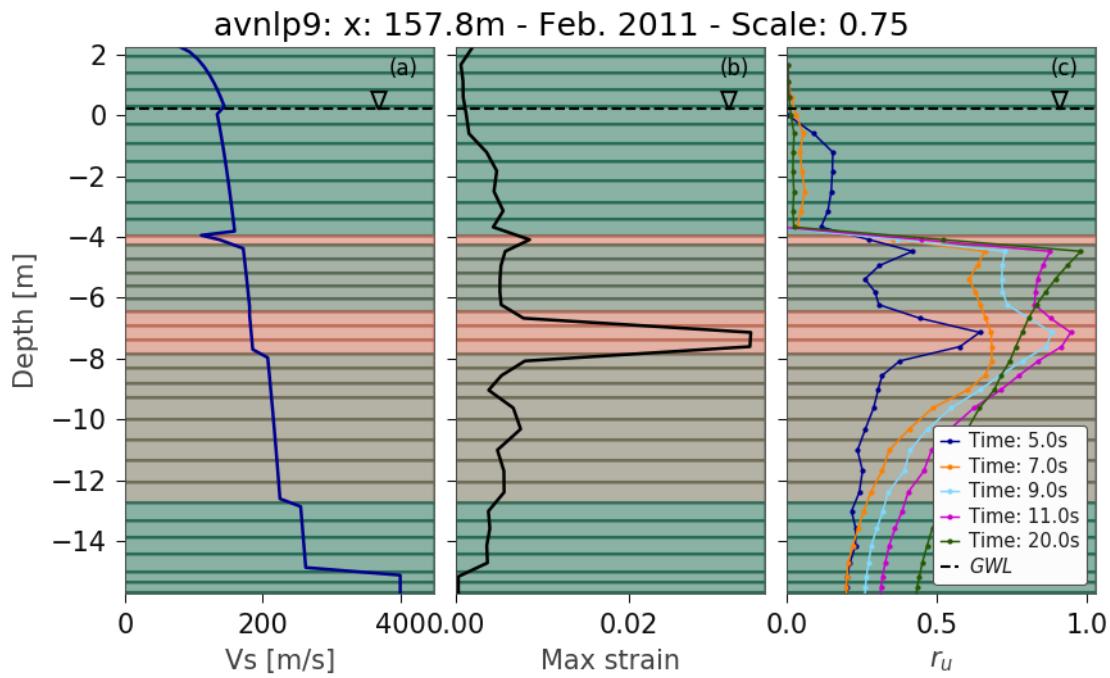


Figure 23: Profile performance (2D) avnl9 - Feb. 2011 [scale: 0.75] at free-field

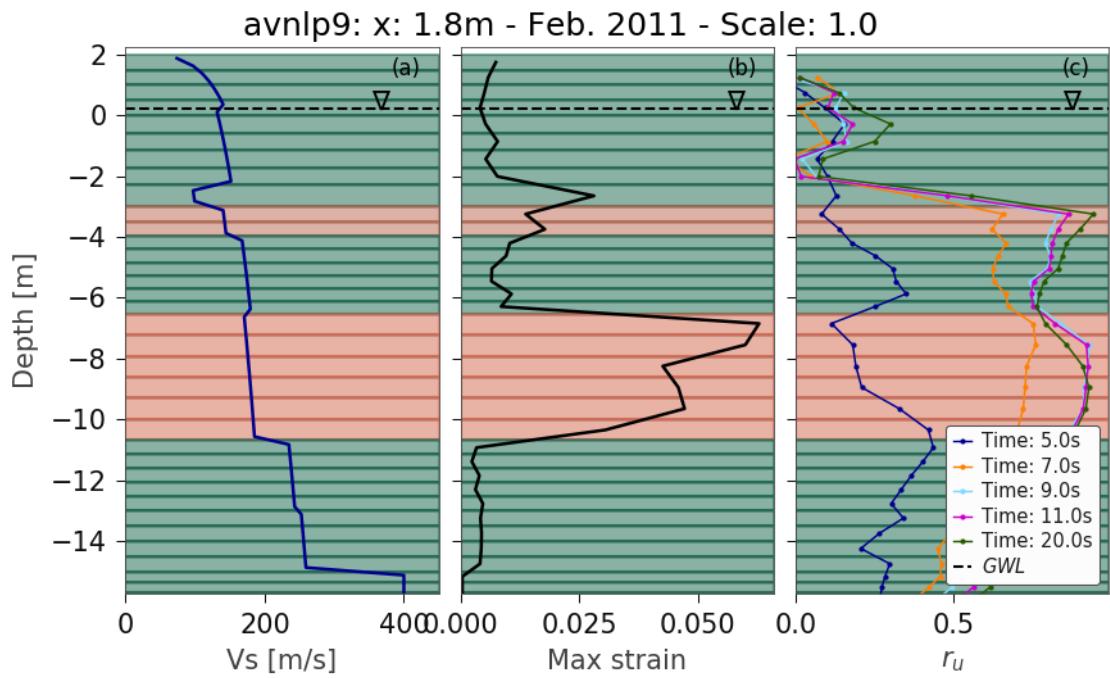


Figure 24: Profile performance (2D) avnl9 - Feb. 2011 [scale: 1.0] at free-face

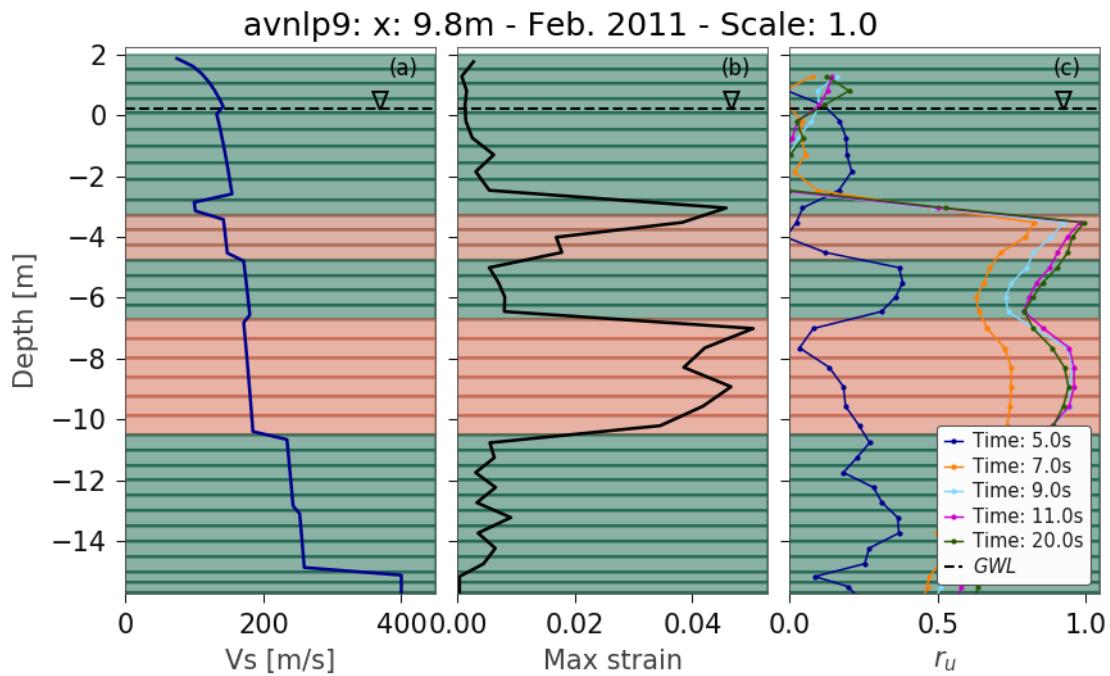


Figure 25: Profile performance (2D) avnl9 - Feb. 2011 [scale: 1.0] at $x = 5 \cdot H_{face}$

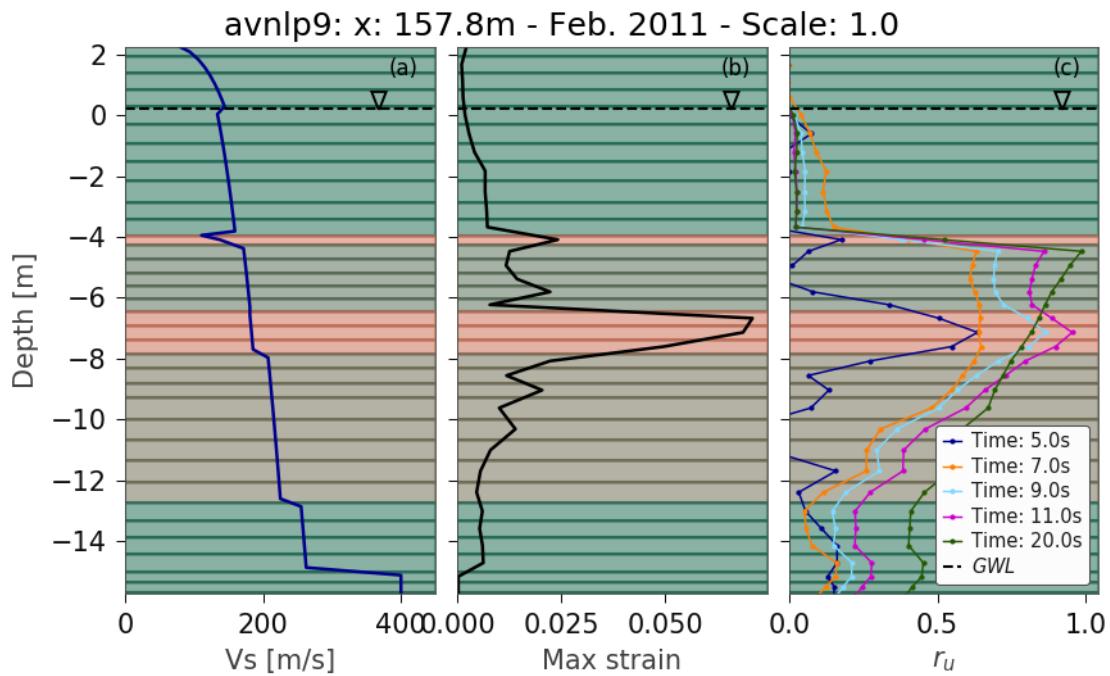


Figure 26: Profile performance (2D) avnl9 - Feb. 2011 [scale: 1.0] at free-field

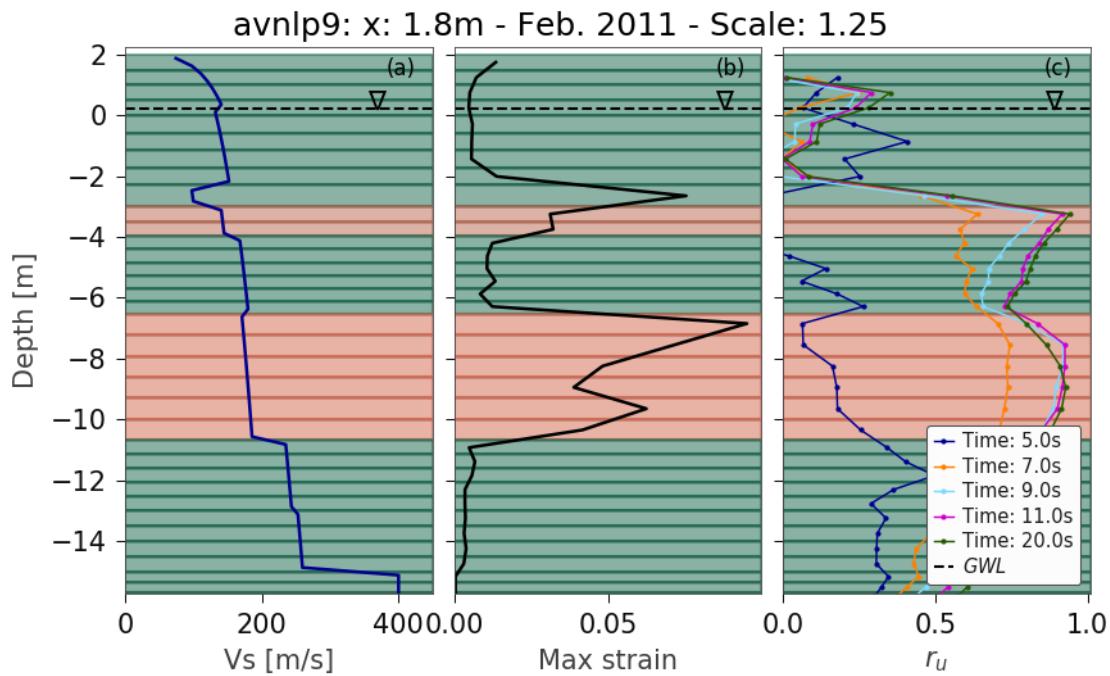


Figure 27: Profile performance (2D) avnlp9 - Feb. 2011 [scale: 1.25] at free-face

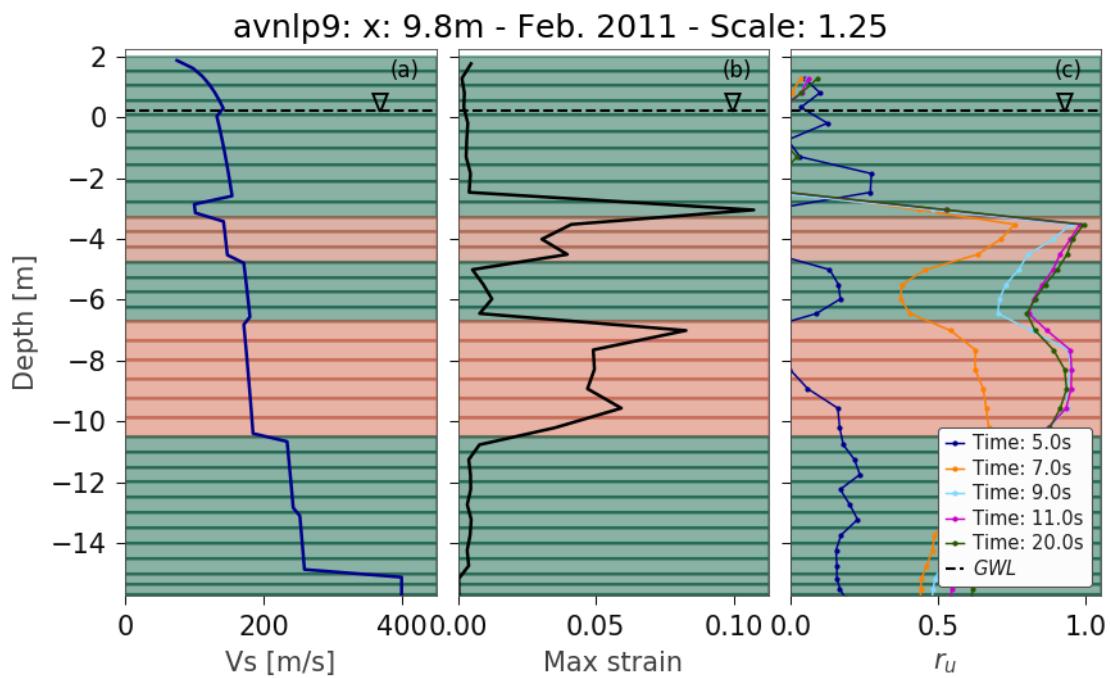


Figure 28: Profile performance (2D) avnlp9 - Feb. 2011 [scale: 1.25] at $x = 5 \cdot H_{face}$

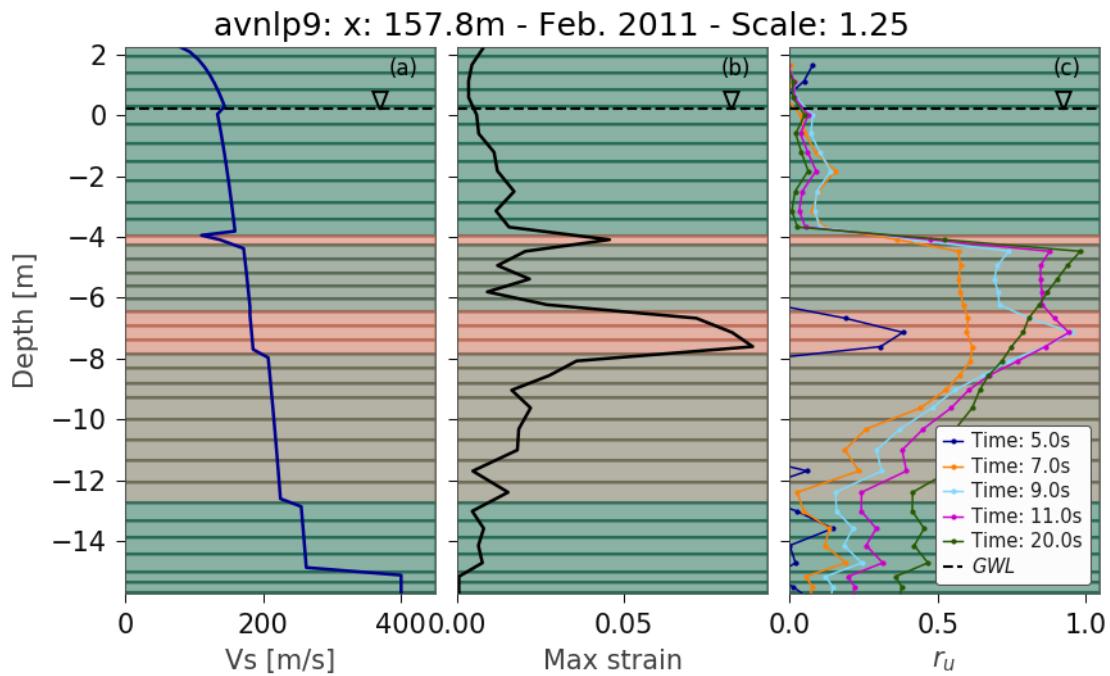


Figure 29: Profile performance (2D) avnl9 - Feb. 2011 [scale: 1.25] at free-field

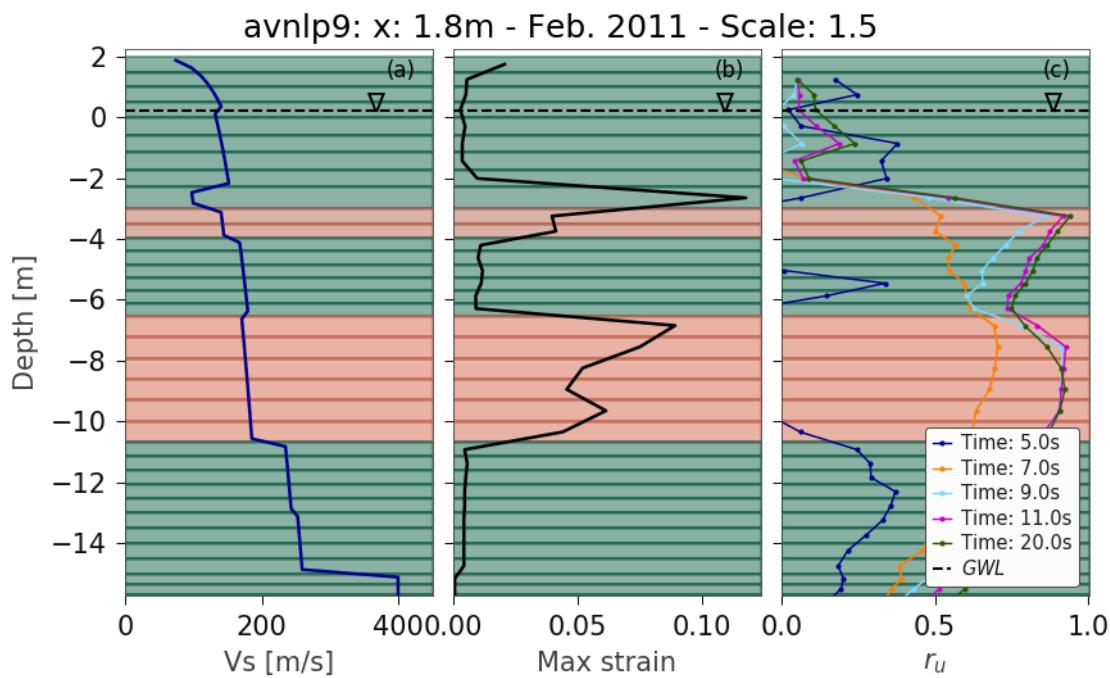


Figure 30: Profile performance (2D) avnl9 - Feb. 2011 [scale: 1.5] at free-face

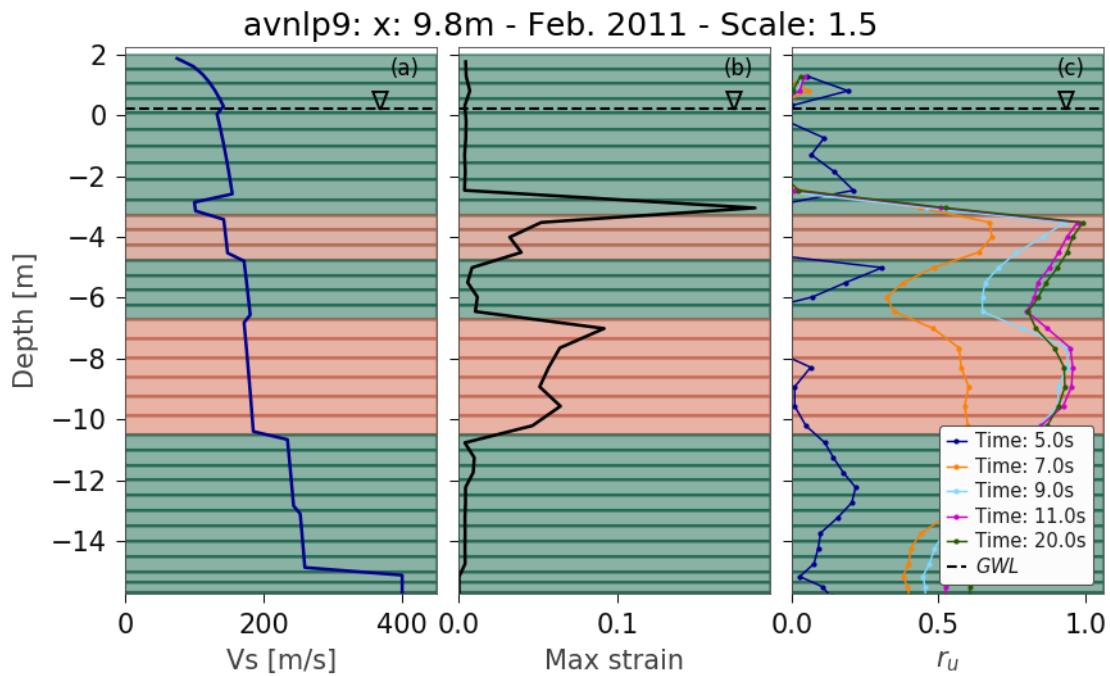


Figure 31: Profile performance (2D) avnl9 - Feb. 2011 [scale: 1.5] at $x = 5 \cdot H_{face}$

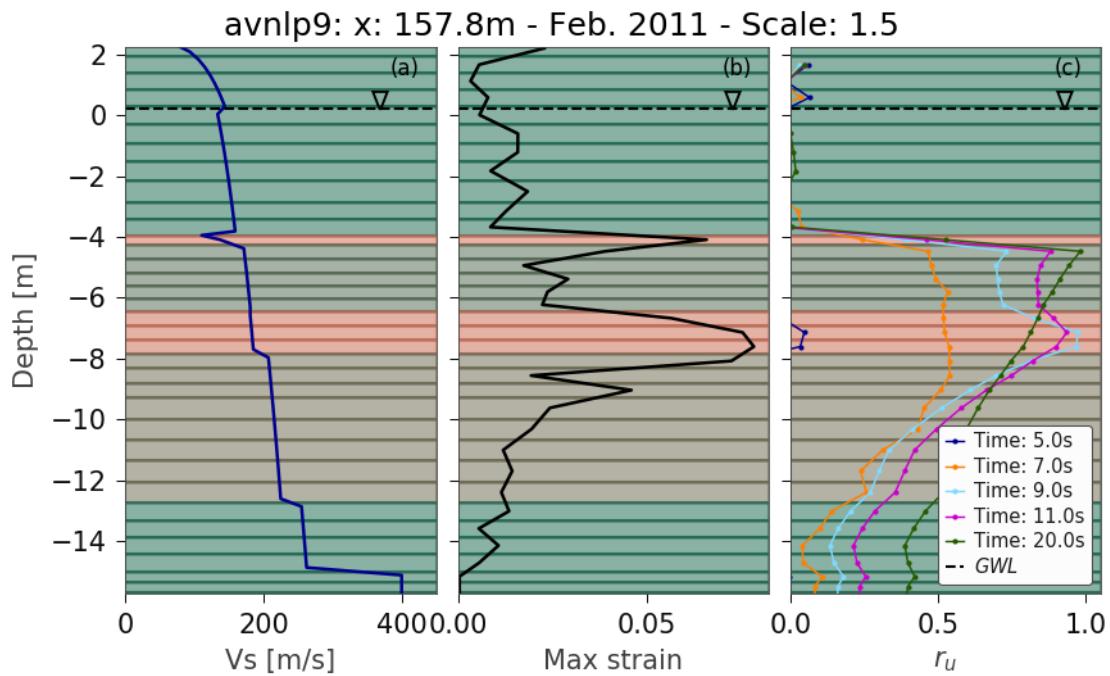


Figure 32: Profile performance (2D) avnl9 - Feb. 2011 [scale: 1.5] at free-field

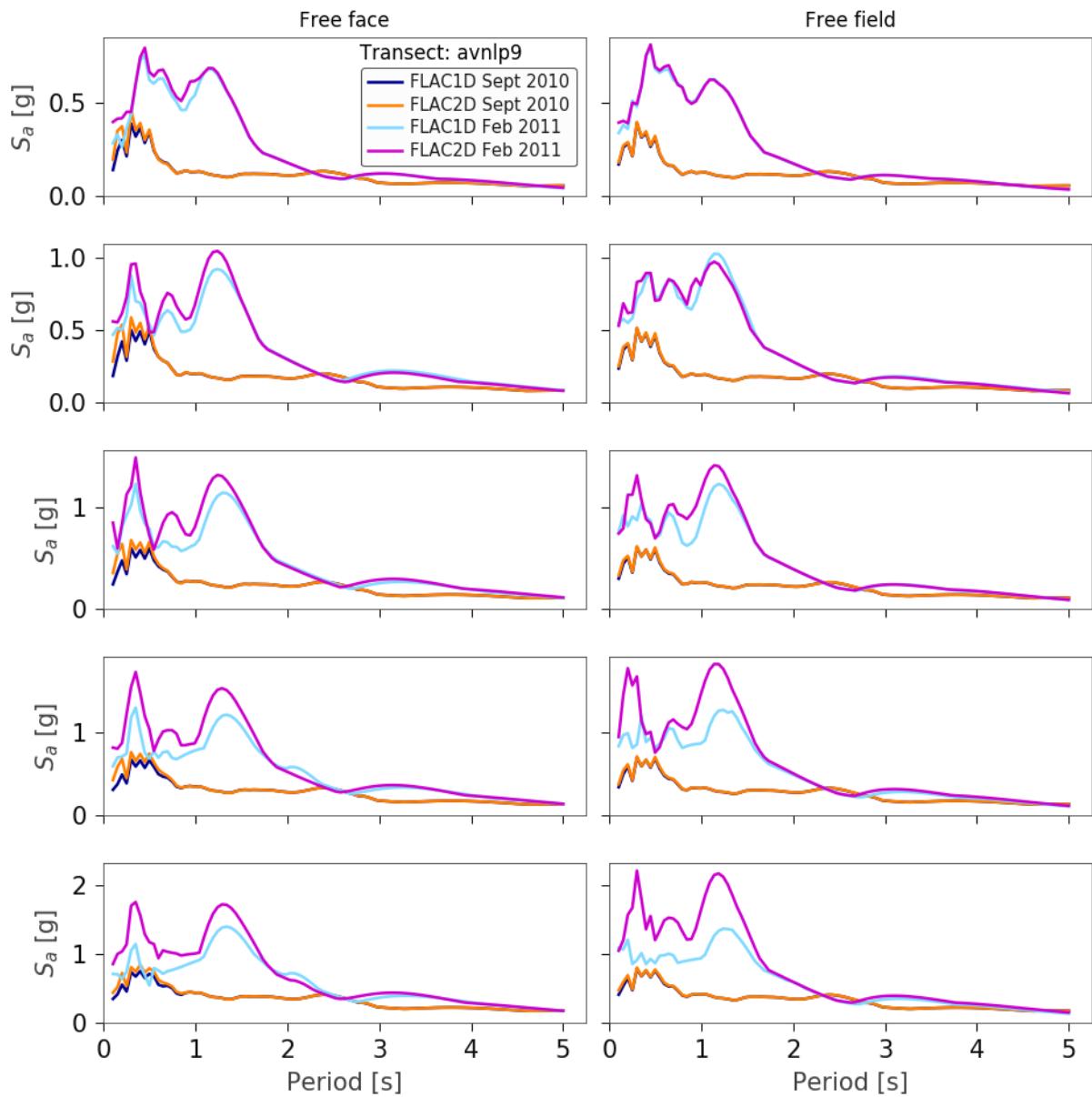


Figure 33: Comparison of surface motions: avnlp9

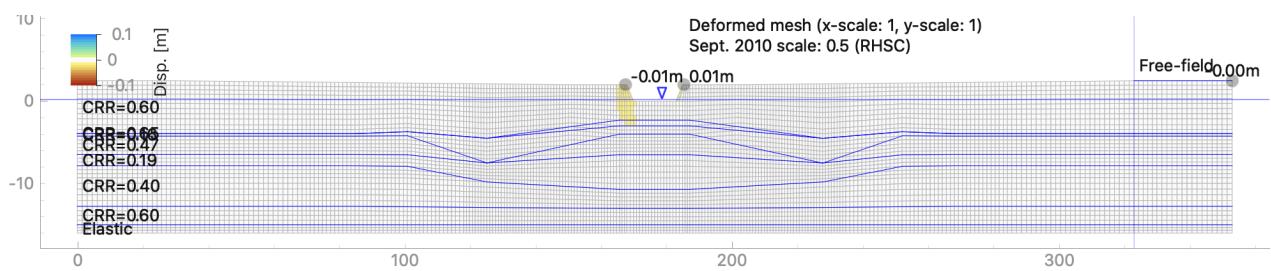


Figure 34: Horizontal displacement [mesh]: avnlp9 - Sept. 2010 [scale: 0.5]

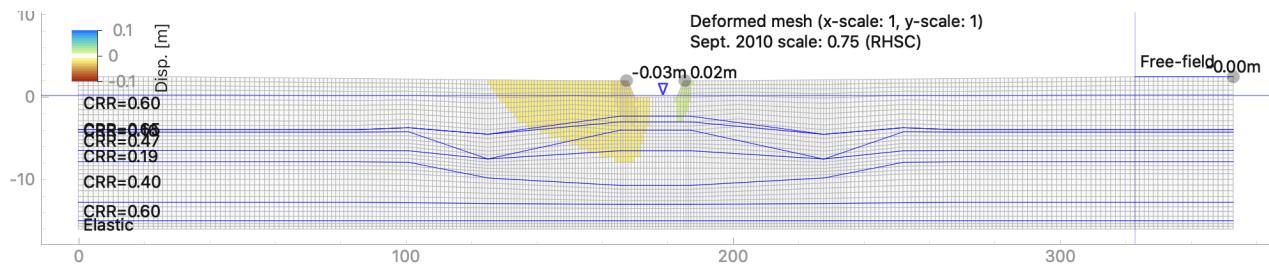


Figure 35: Horizontal displacement [mesh]: avnlp9 - Sept. 2010 [scale: 0.75]

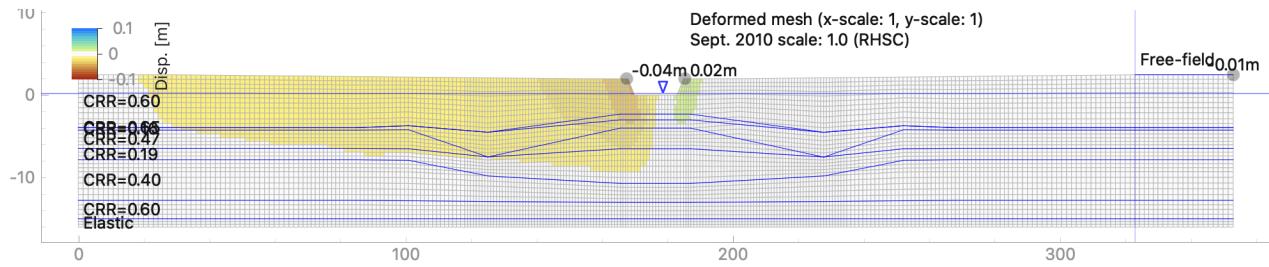


Figure 36: Horizontal displacement [mesh]: avnlp9 - Sept. 2010 [scale: 1.0]

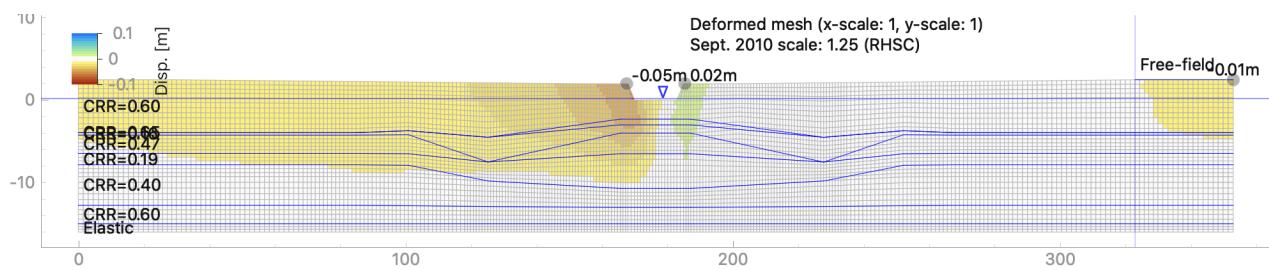


Figure 37: Horizontal displacement [mesh]: avnlp9 - Sept. 2010 [scale: 1.25]

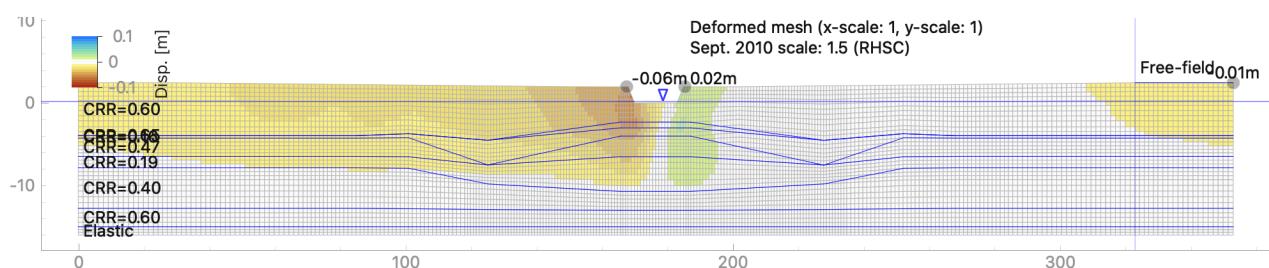


Figure 38: Horizontal displacement [mesh]: avnlp9 - Sept. 2010 [scale: 1.5]

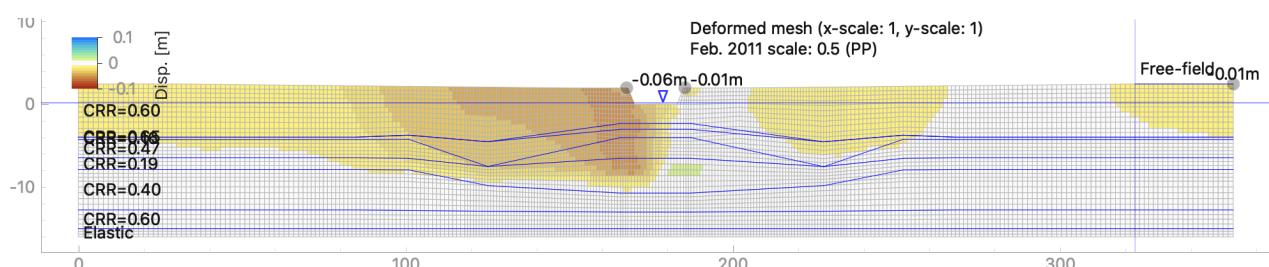


Figure 39: Horizontal displacement [mesh]: avnlp9 - Feb. 2011 [scale: 0.5]

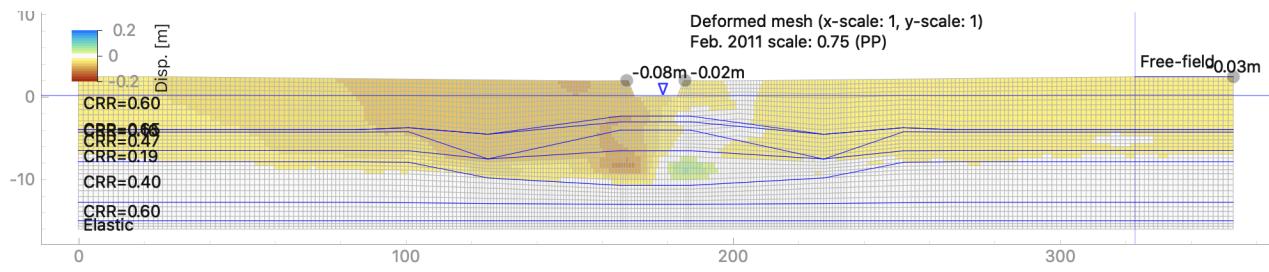


Figure 40: Horizontal displacement [mesh]: avnlp9 - Feb. 2011 [scale: 0.75]

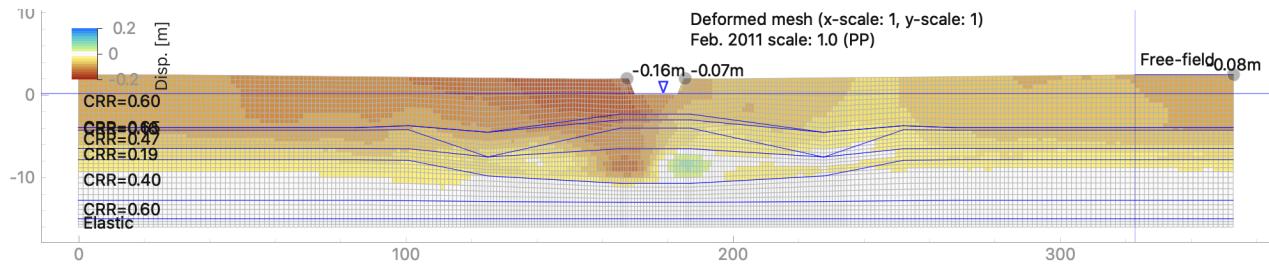


Figure 41: Horizontal displacement [mesh]: avnlp9 - Feb. 2011 [scale: 1.0]

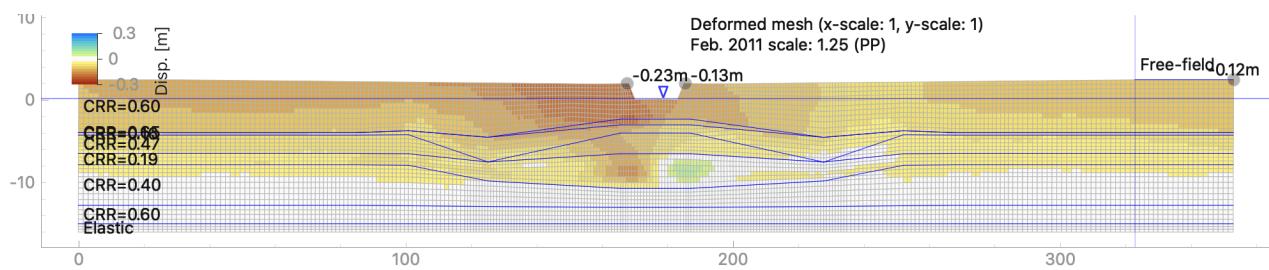


Figure 42: Horizontal displacement [mesh]: avnlp9 - Feb. 2011 [scale: 1.25]

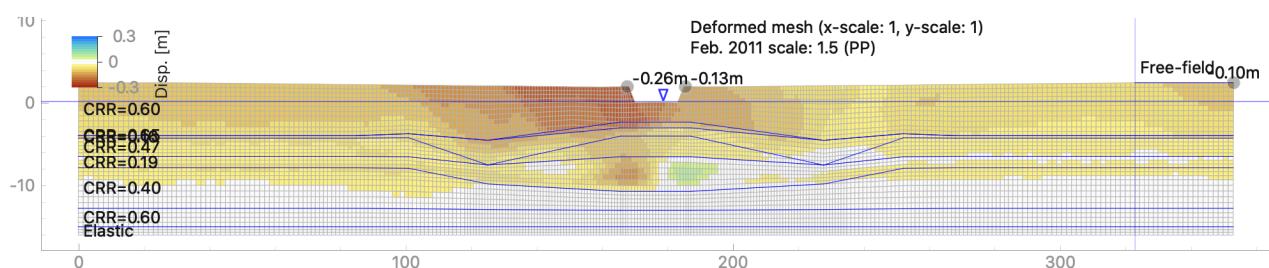


Figure 43: Horizontal displacement [mesh]: avnlp9 - Feb. 2011 [scale: 1.5]

avnlp9 - Sept. 2010 (RHSC)

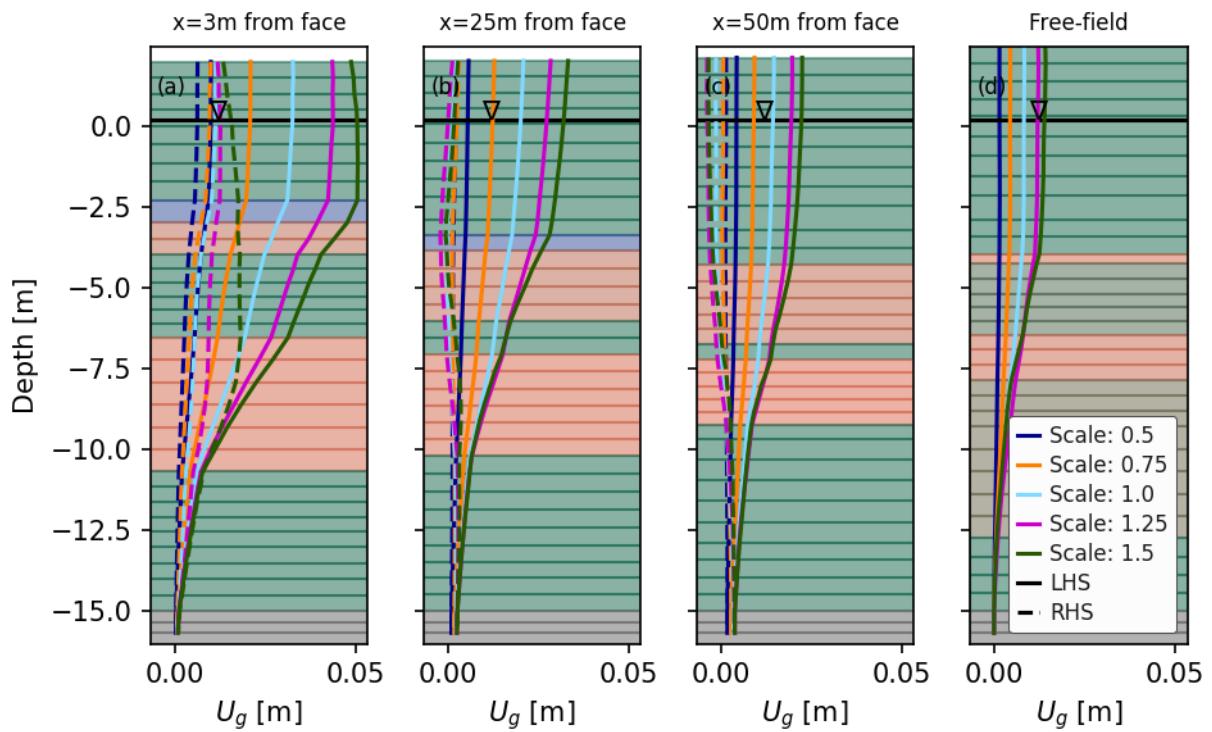


Figure 44: Lateral displacement vs depth: avnlp9 - Sept. 2010

avnlp9 - Feb. 2011 (PP)

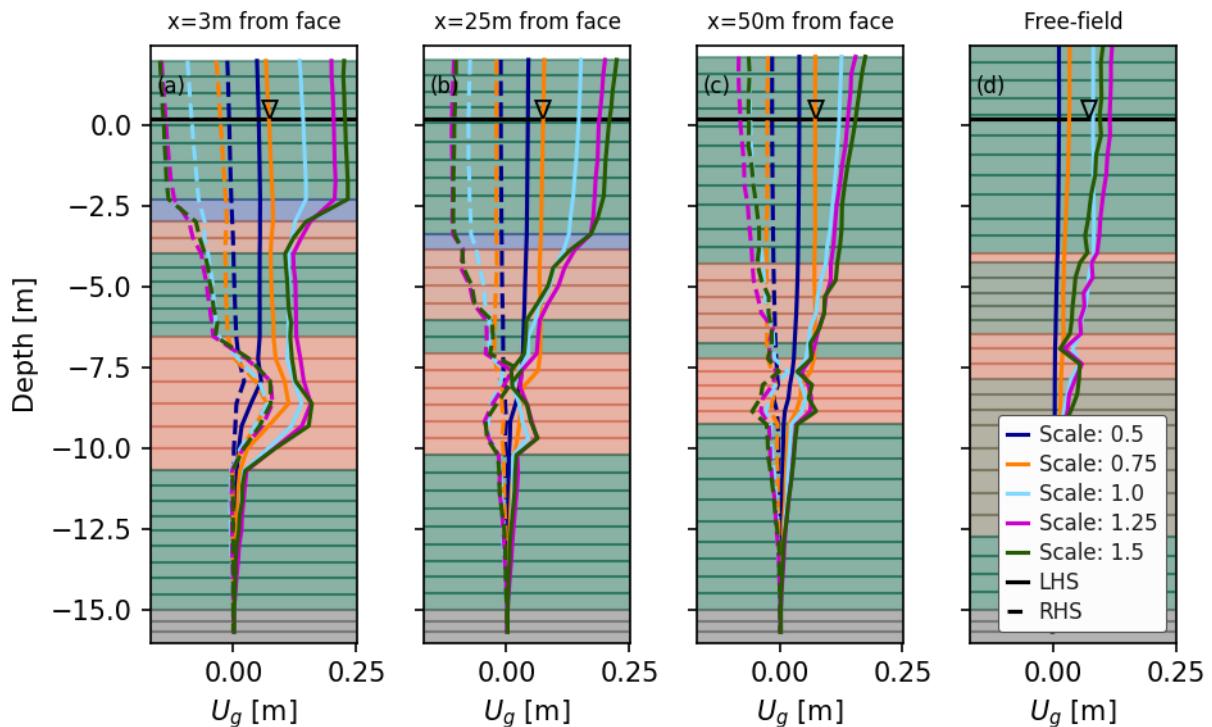


Figure 45: Lateral displacement vs depth: avnlp9 - Feb. 2011

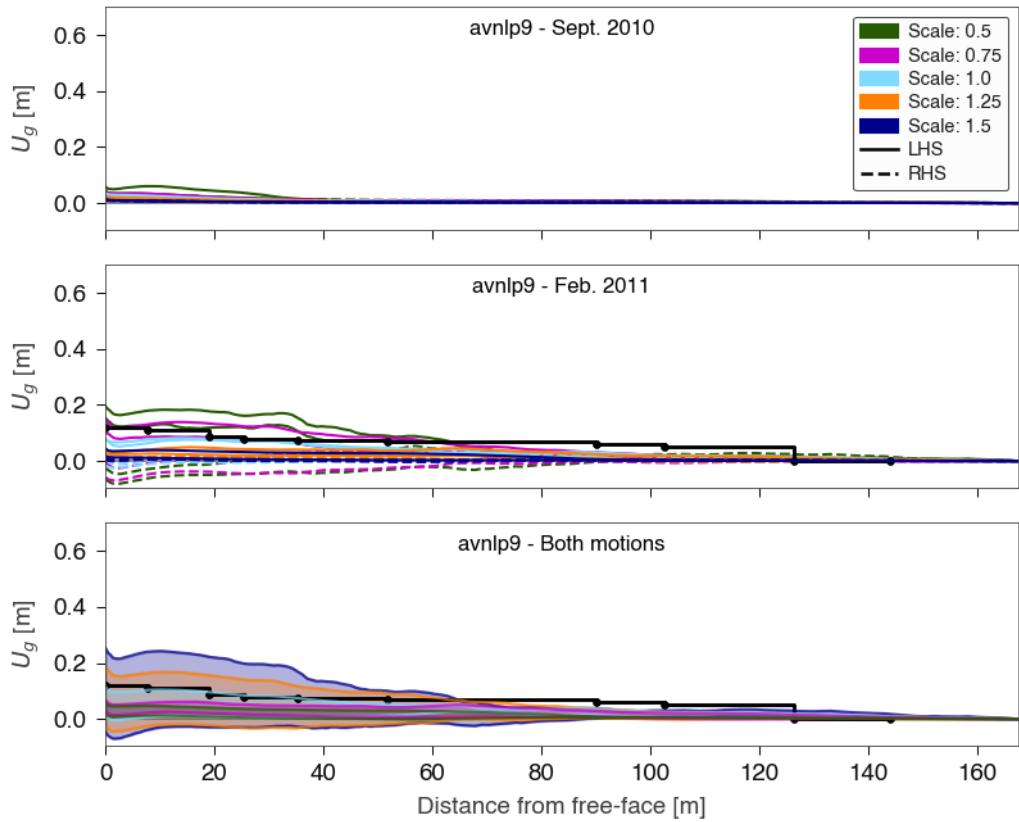


Figure 46: Lateral displacement vs distance: avnlp9

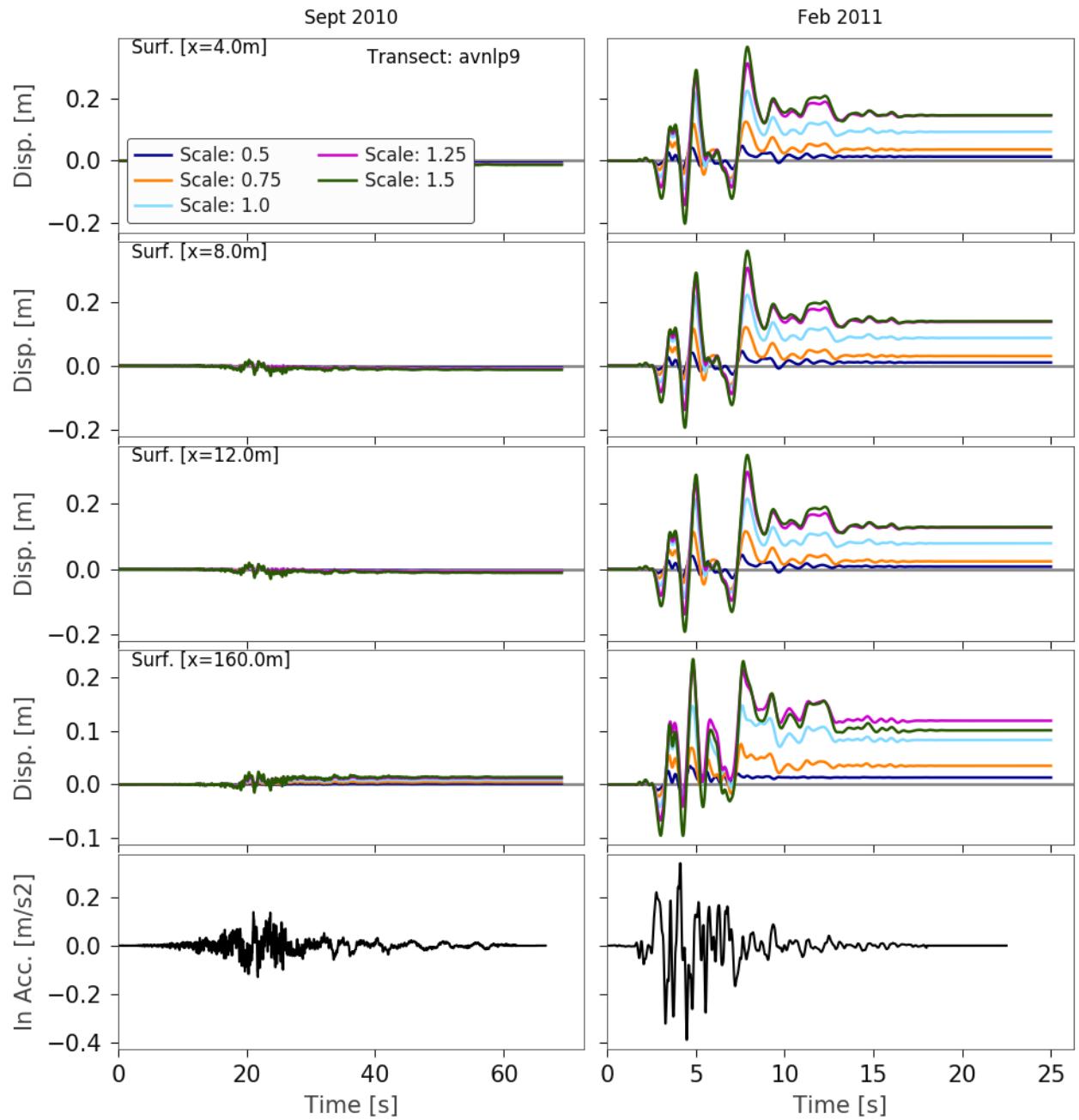


Figure 47: Lateral displacement vs time: avnlp9