Effective sound speed estimates by source and receiver depths • 📵 . . . source depth = 20 m source depth = 30 m source depth = 90 m receiver depth = 30 m receiver depth = 30 m receiver depth = 30 m n = 234 events n = 198 events n = 204 events SOUND SPEED SOURCE 1450 Isovelocity =HYCOM Raseline 1445 Chosen Weights 1440 E 1440 MINIMAL BOUNCE CRITERIA Minimal bounce 热 100 <u>6</u> 1435 NEAREST BOUNCE CRITERIA ×¥ Direct path D 1430 1 bounce 2 bounces Ô △ 3 hounces source depth = 20 m source depth = 30 m source depth = 90 m 4 hounces 1425 receiver depth = 90 m receiver denth = 90 m receiver depth = 90 m n = 159 events n = 155 events n = 292 events IMPLIED SPEED GPS range divided by OWTT 1420 1.25 1.5 1.75 2.25

one way travel time [s]