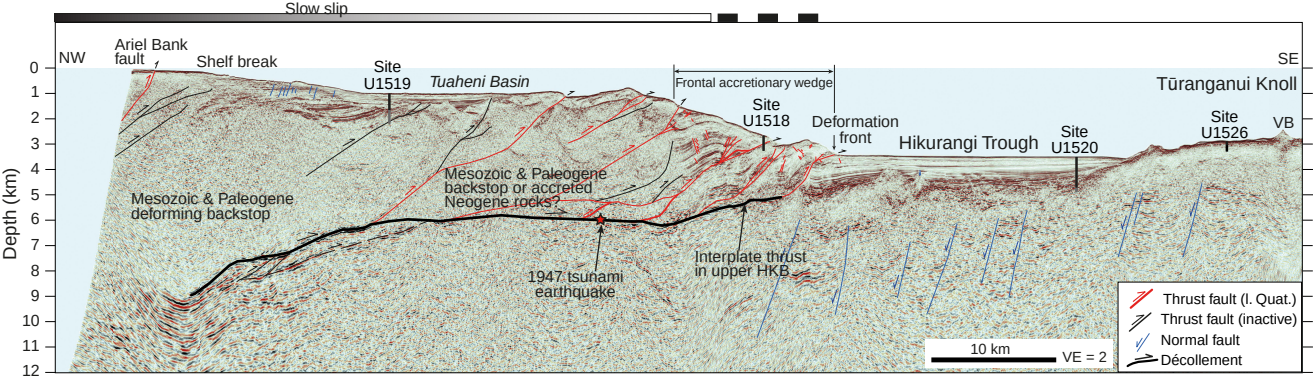
Slow slip
NW
Ariel Bank fault
Shelf break
Site U1519
Tuaheni Basin
Frontal accretionary wedge
Site U1518
Deformation front
Hikurangi Trough
Site U1520
Tūranganui Knoll
Site U1526
VB
SE
Depth (km)
0
1
2
3
4
5
6
7
8
9
10
11
12
Mesozoic & Paleogene deforming backstop
Mesozoic & Paleogene backstop or accreted Neogene rocks?
1947 tsunami earthquake
Interplate thrust in upper HKB
Thrust fault (I. Quat.)
Thrust fault (inactive)
Normal fault
Décollement
10 km
VE = 2