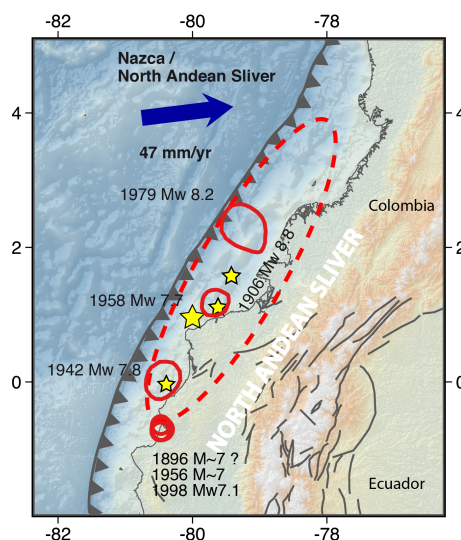
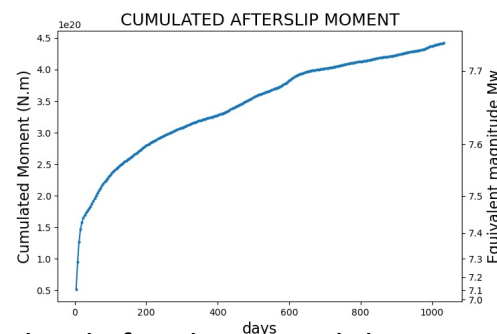


Spatio-temporal evolution of afterslip following the Mw 7.8 Pedernales earthquake, Ecuador

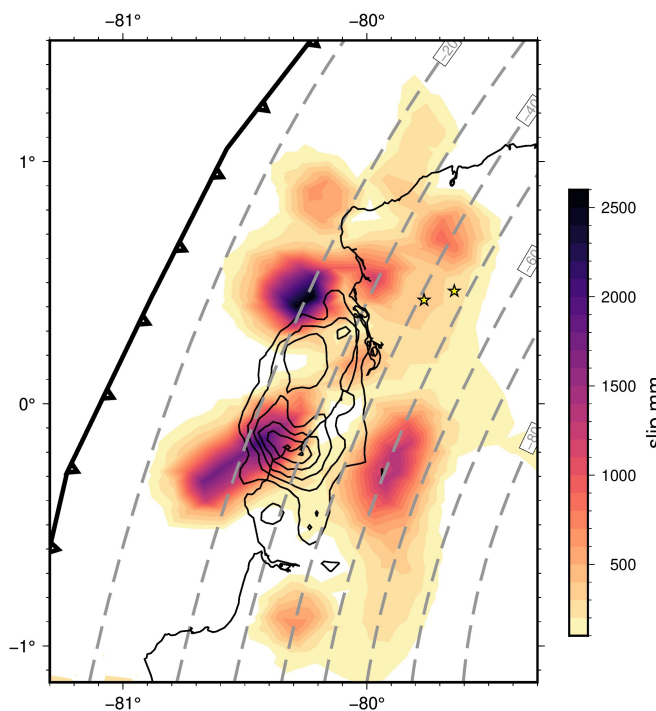
Sequence of 5 Mw>7.7 earthquakes since 1906



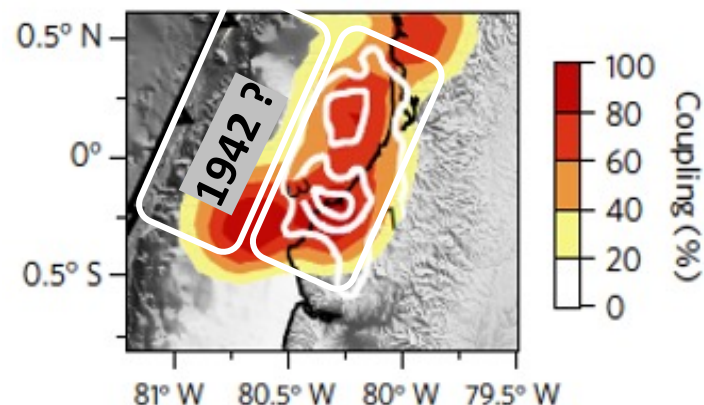
33 months afterslip released an equivalent moment Mw 7.7 = 80% of the mainshock



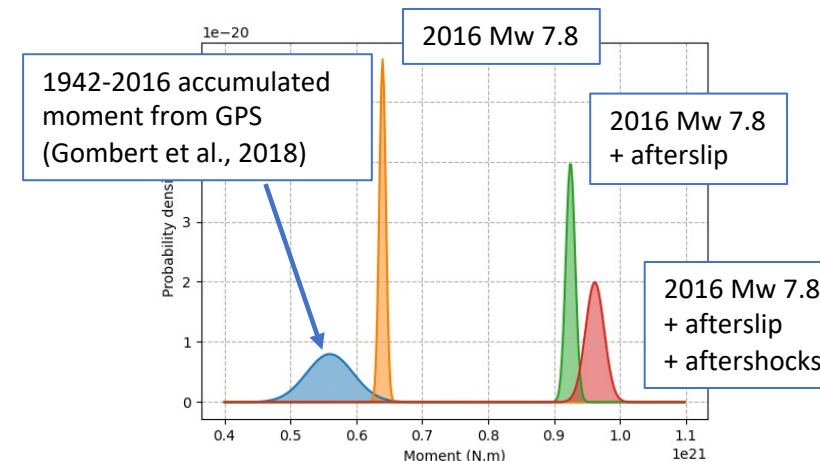
Localized afterslip around the 2016 rupture



Did the Mw 7.8 1942 and Mw 7.8 2016 rupture the same asperity?



Moment balance assuming rupture on the same asperity



Moment balance for the 1906-2016 period from 60 km depth to the trench

