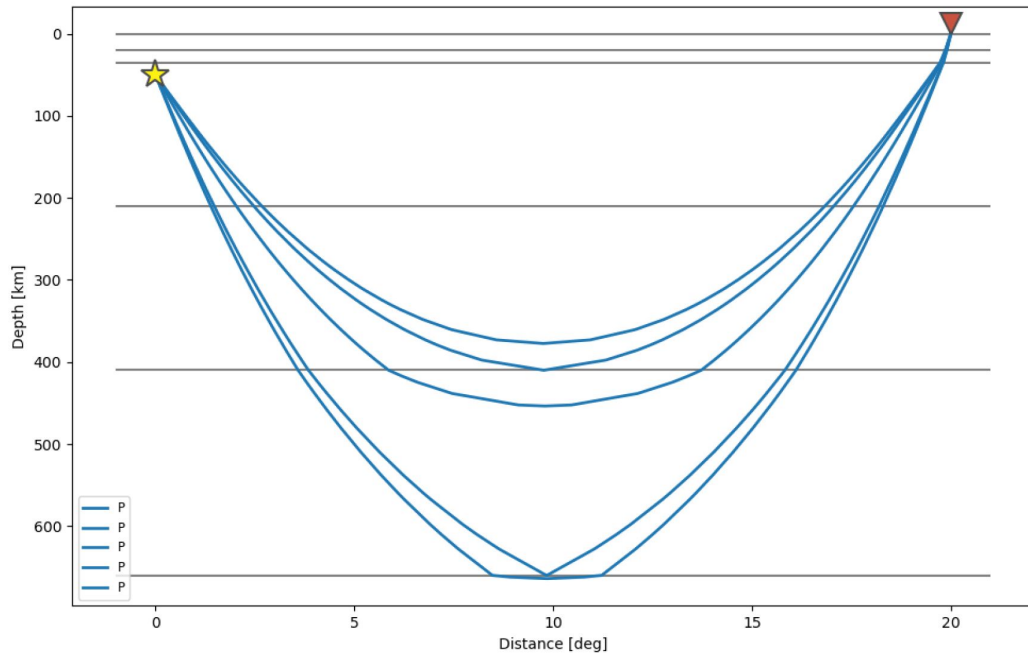
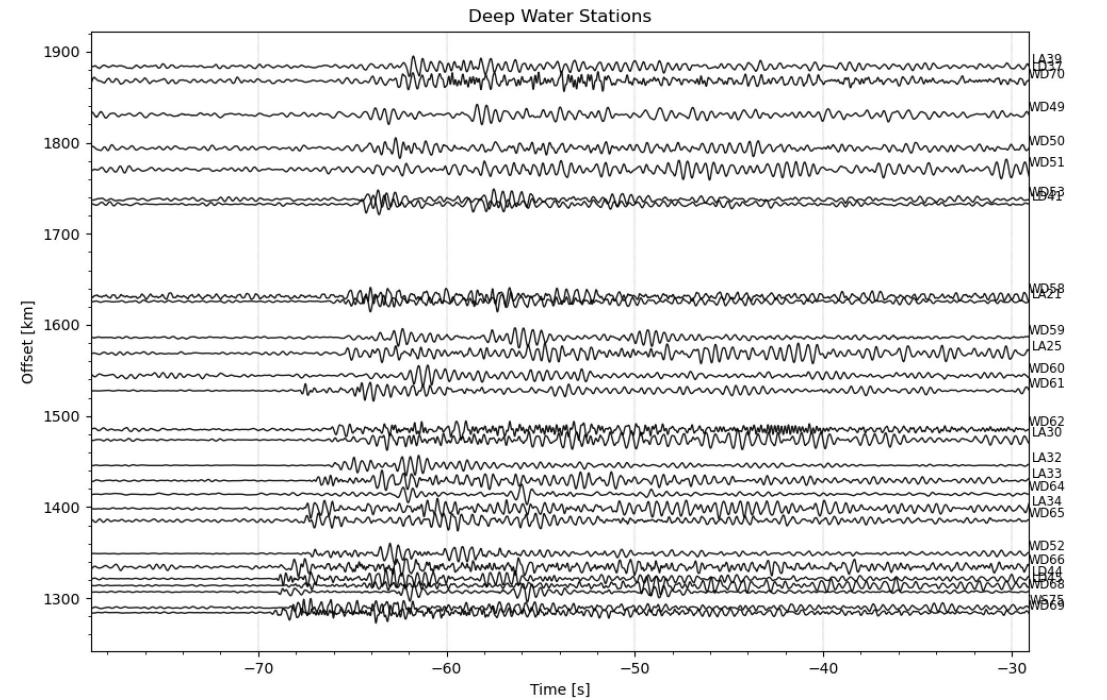


Identifying Triplication in Amphibious Seismic Data to Explore Mantle Structure

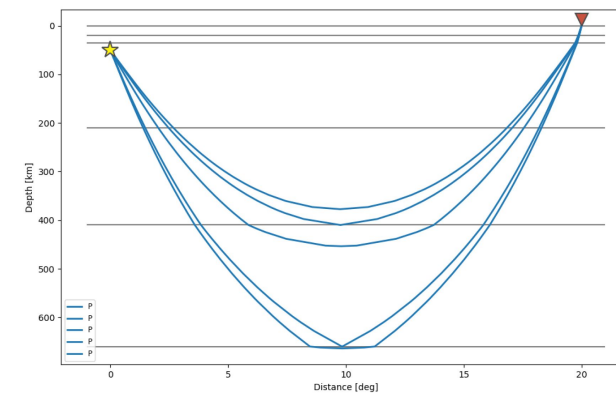
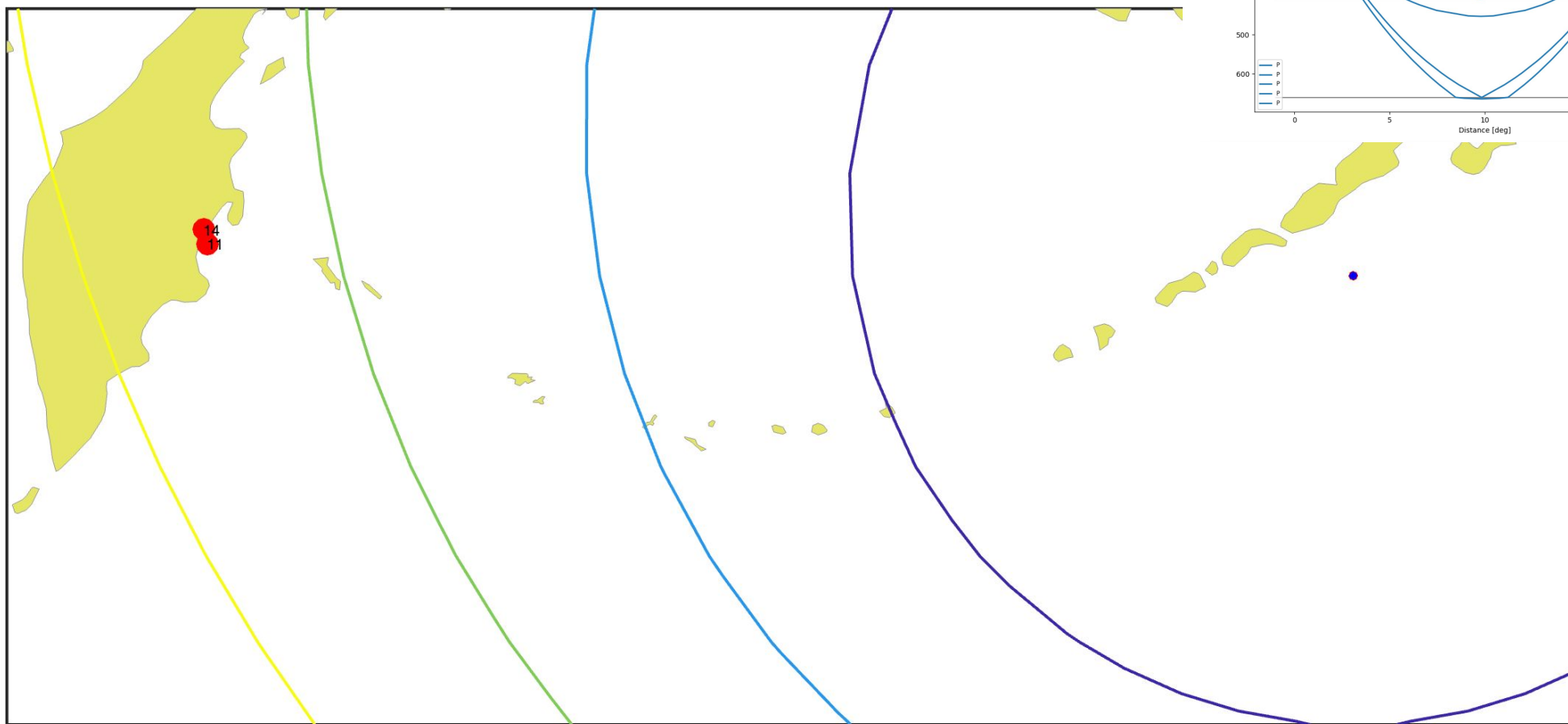
What is Triplication? How is it useful?



Deep Water Waveforms



Events

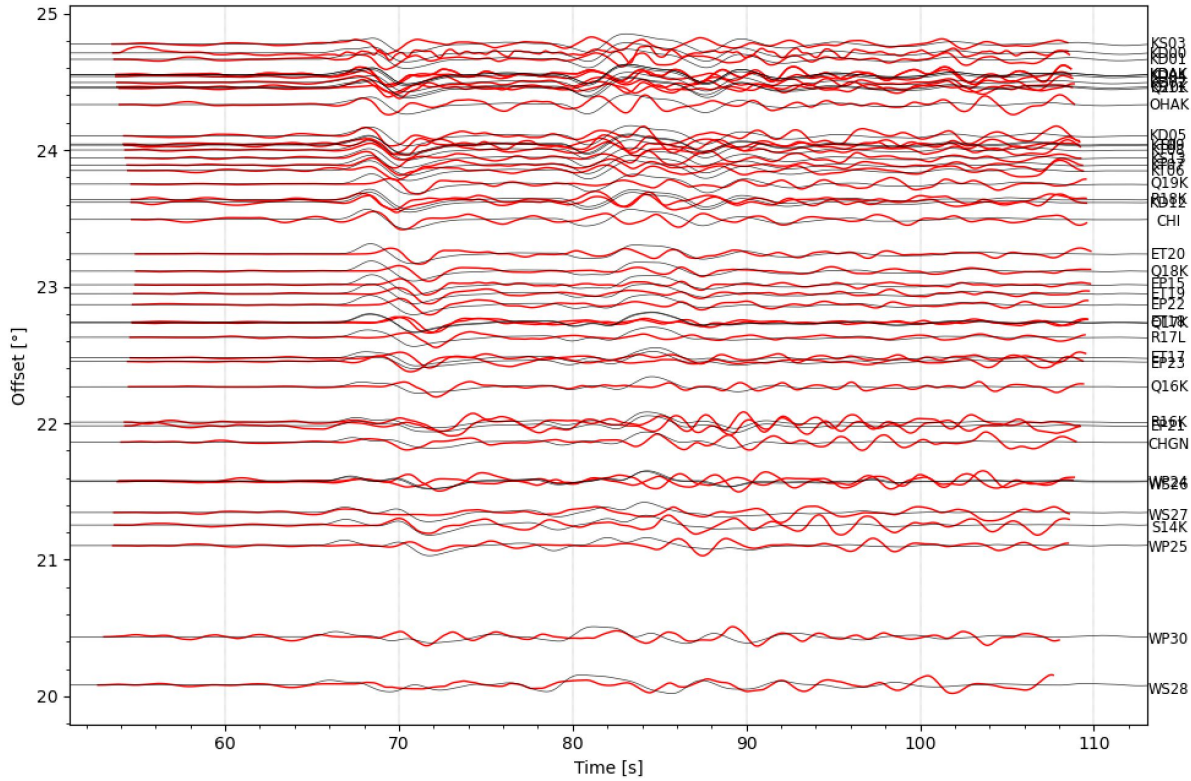


Waveform Observations

Two key observations: 1) delay times, 2) high signal to noise

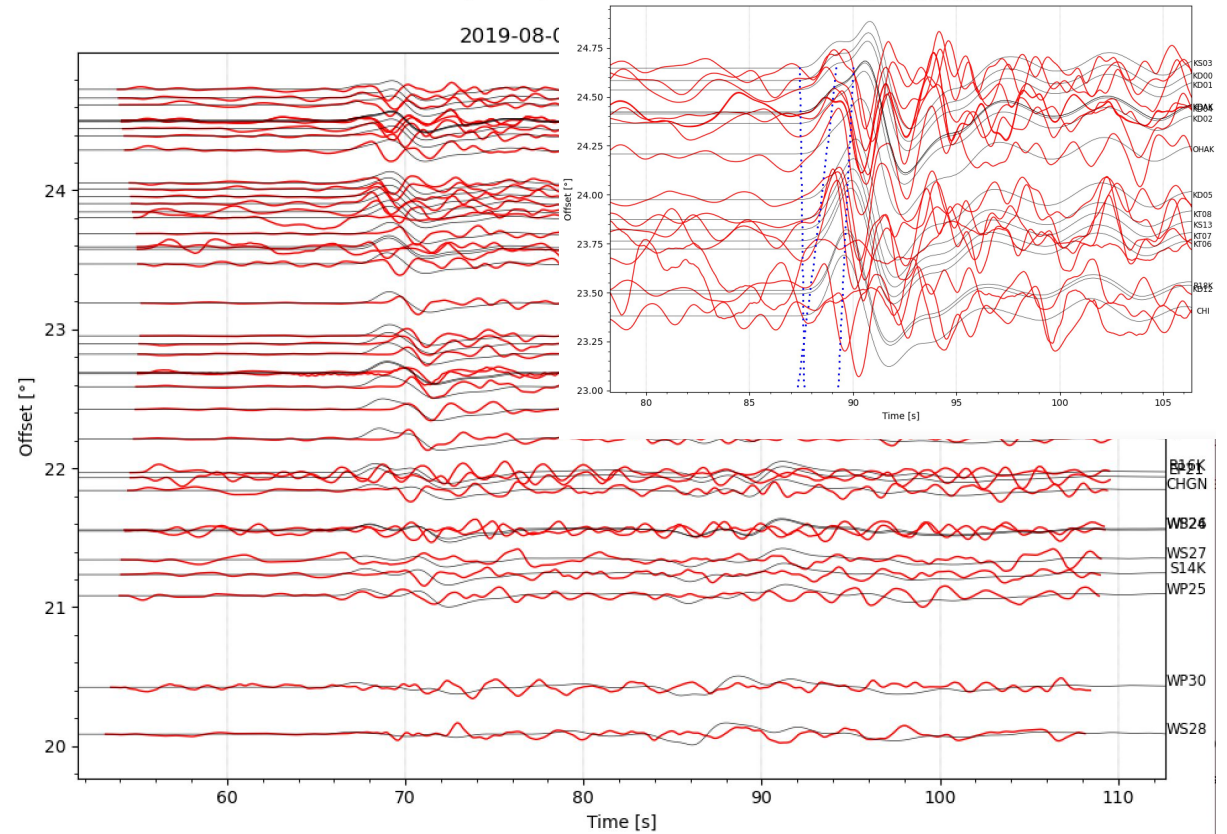
Event 11: Mag=6.2, [55.64,161.99], depth: 49000.0

2018-11-14T21:21:50.900000Z



Event 14: Mag=5.5, [55.92,161.87], depth: 47400.0

2019-08-09T21:26:57.900000Z

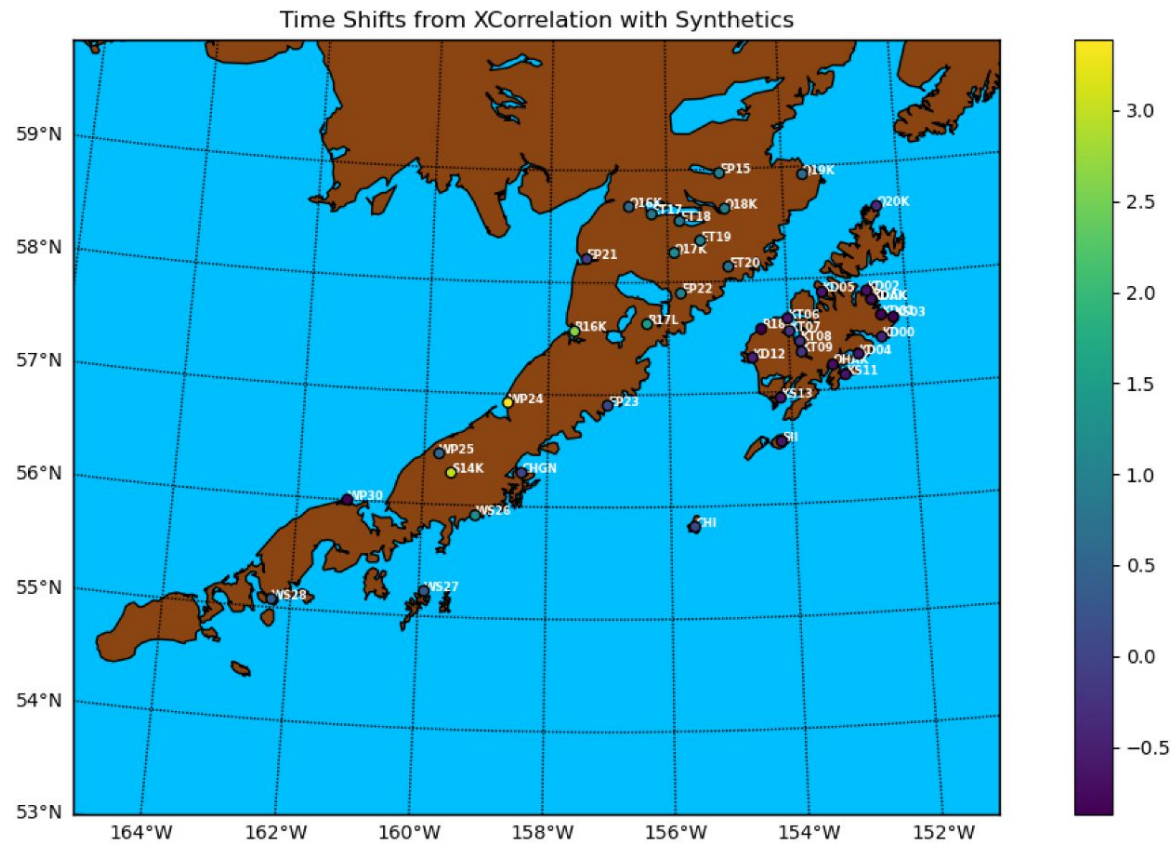


Filtered between 0.01-0.4
Hz

Analysis and Conclusions

Cross Correlation with Synthetics

Event 11: 2018-11-14T21:21:50.900000Z



Vesogram Analysis

2019-08-09T21:31:43.900001Z

