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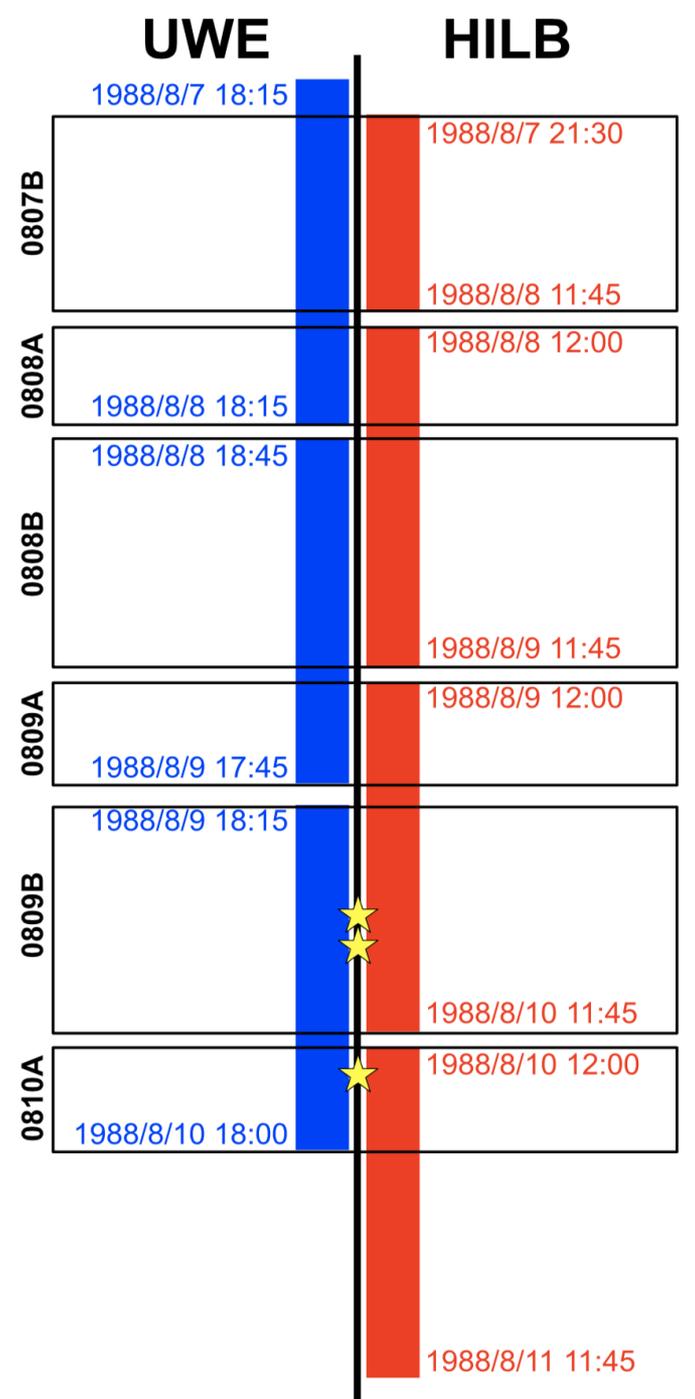
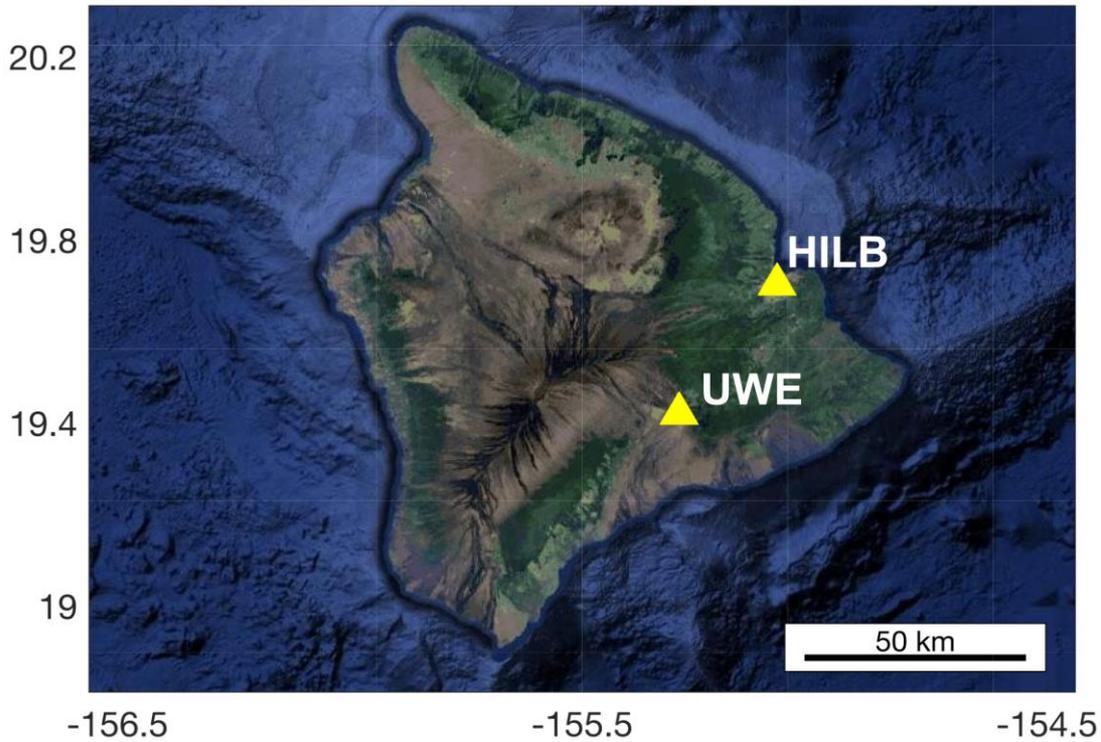
Relative Time Corrections For Digitized Analog Records

Thomas A. Lee¹, & Miaki Ishii¹

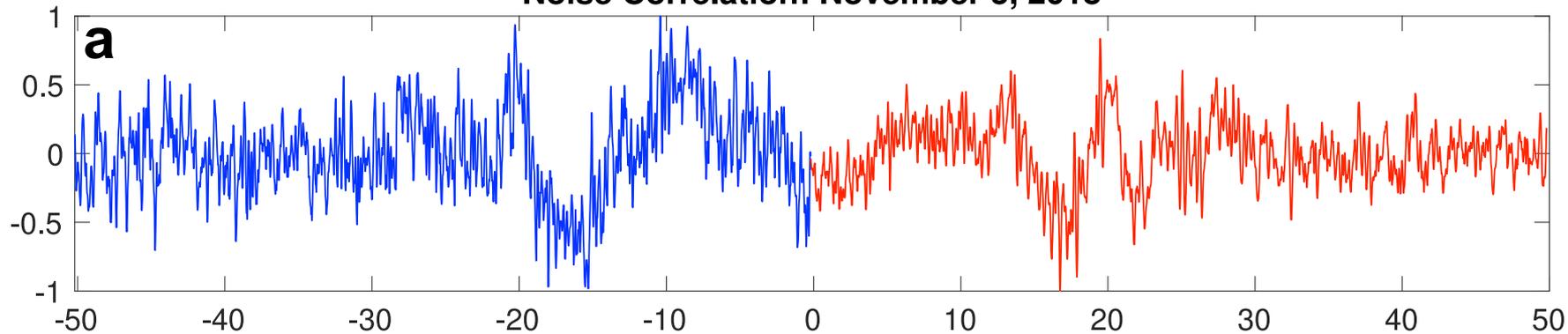
¹Department of Earth & Planetary Sciences, Harvard
University

Securing Legacy Seismic Data to Enable Future Discoveries

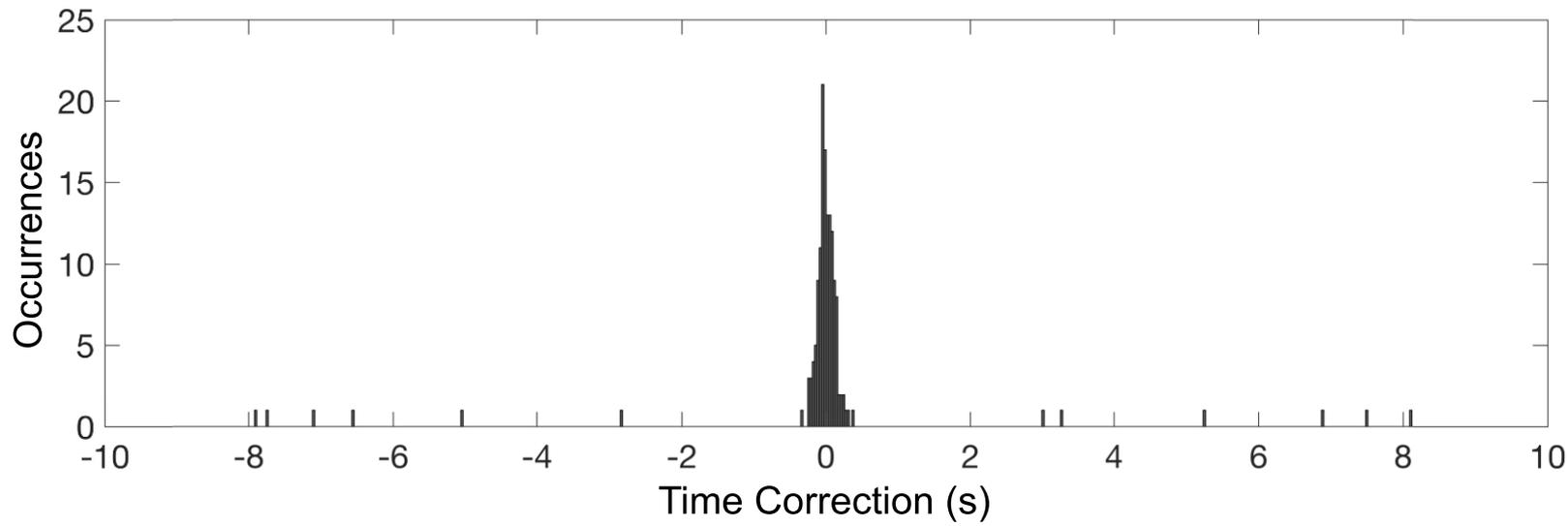
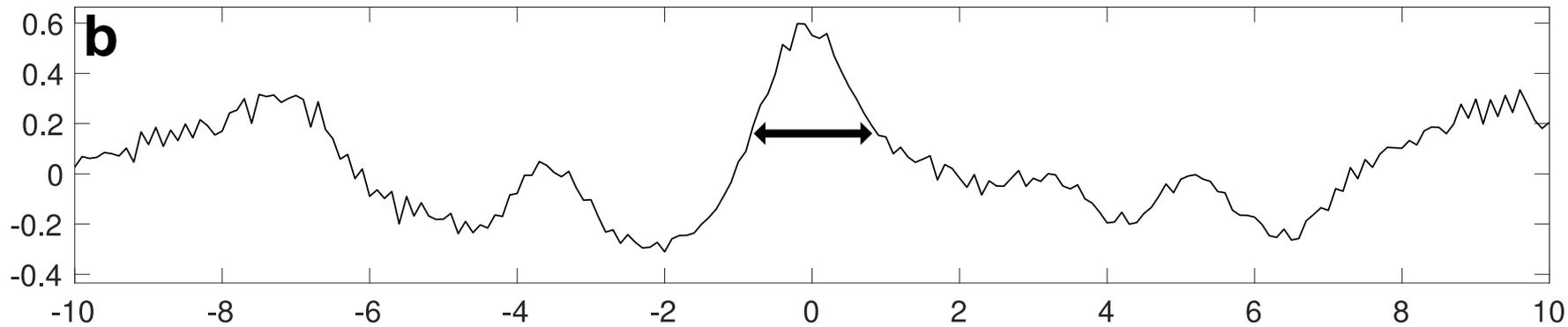
Workshop held September 18, 2019, Albuquerque, NM

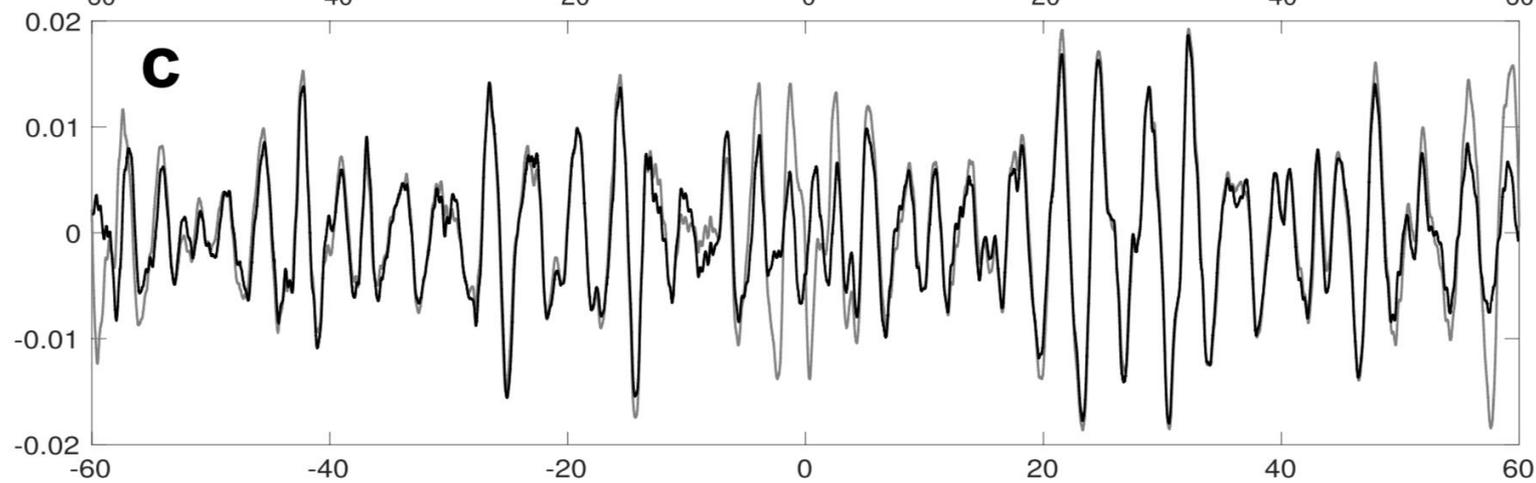
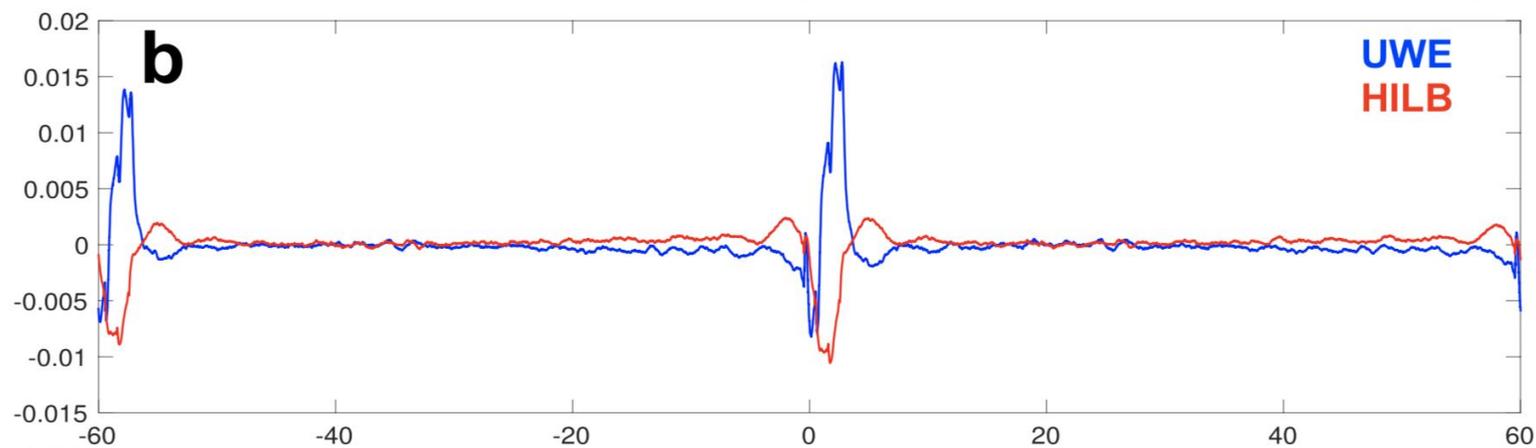
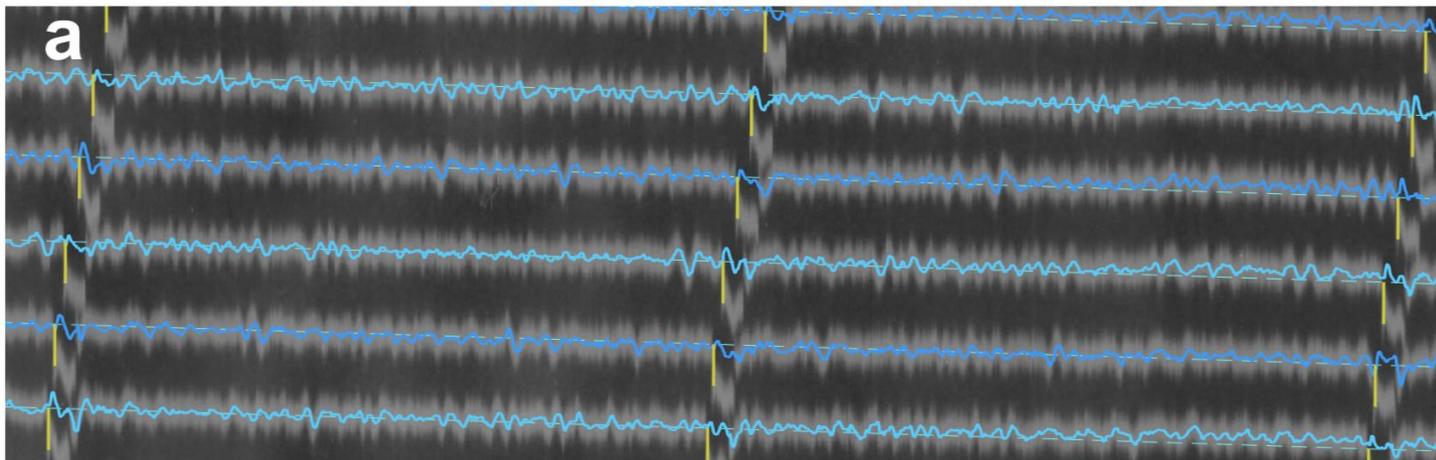


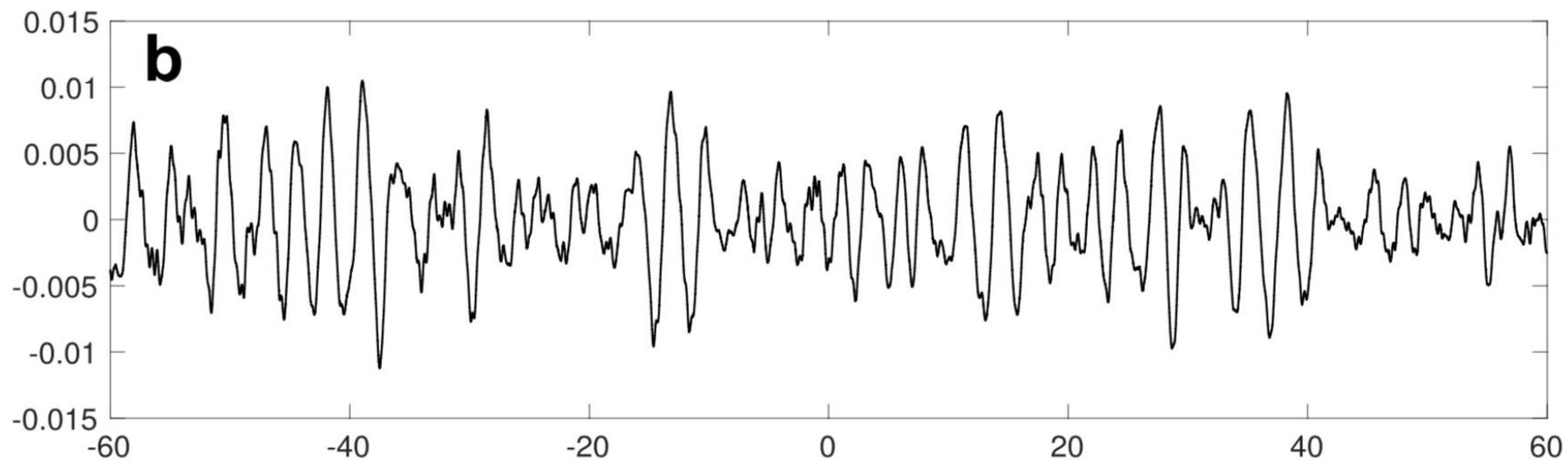
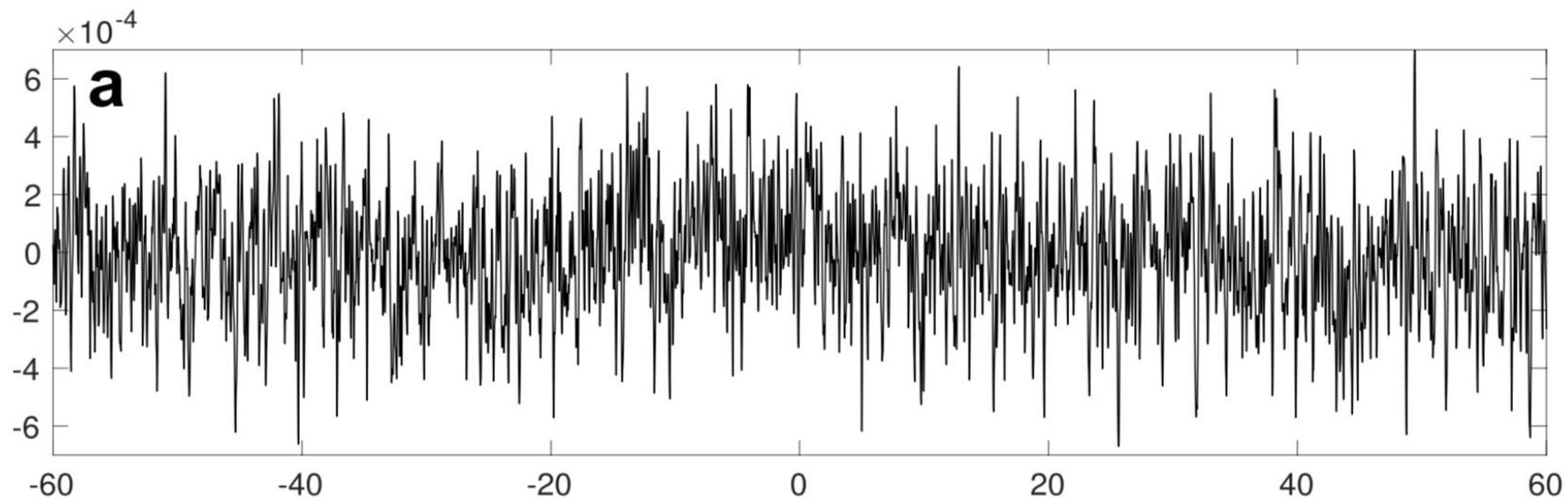
Noise Correlation: November 5, 2018

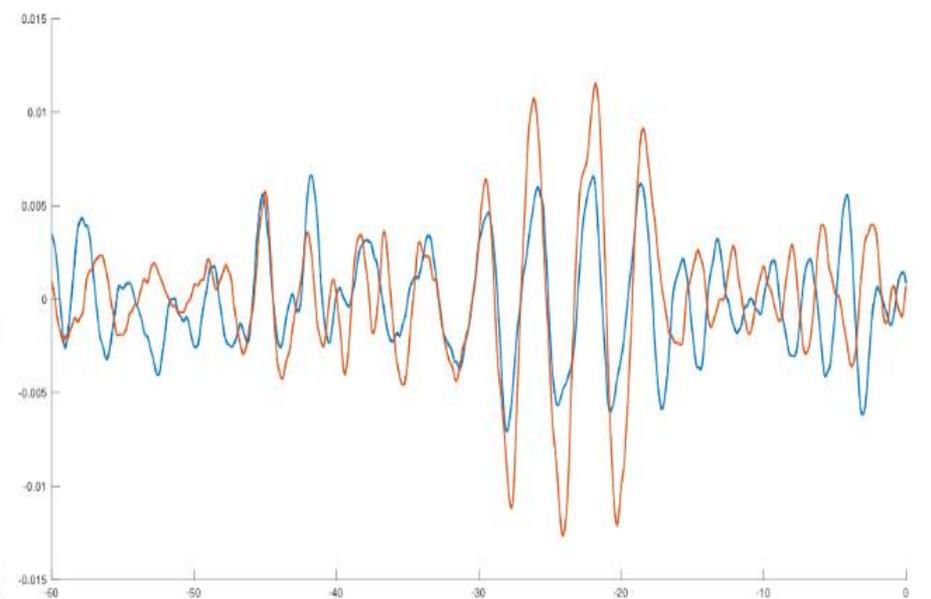
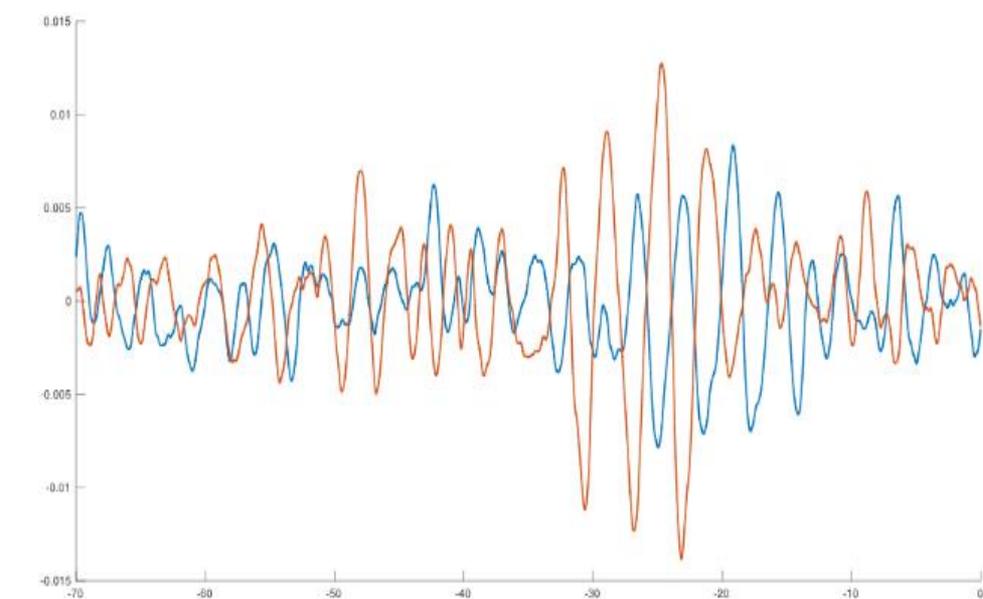
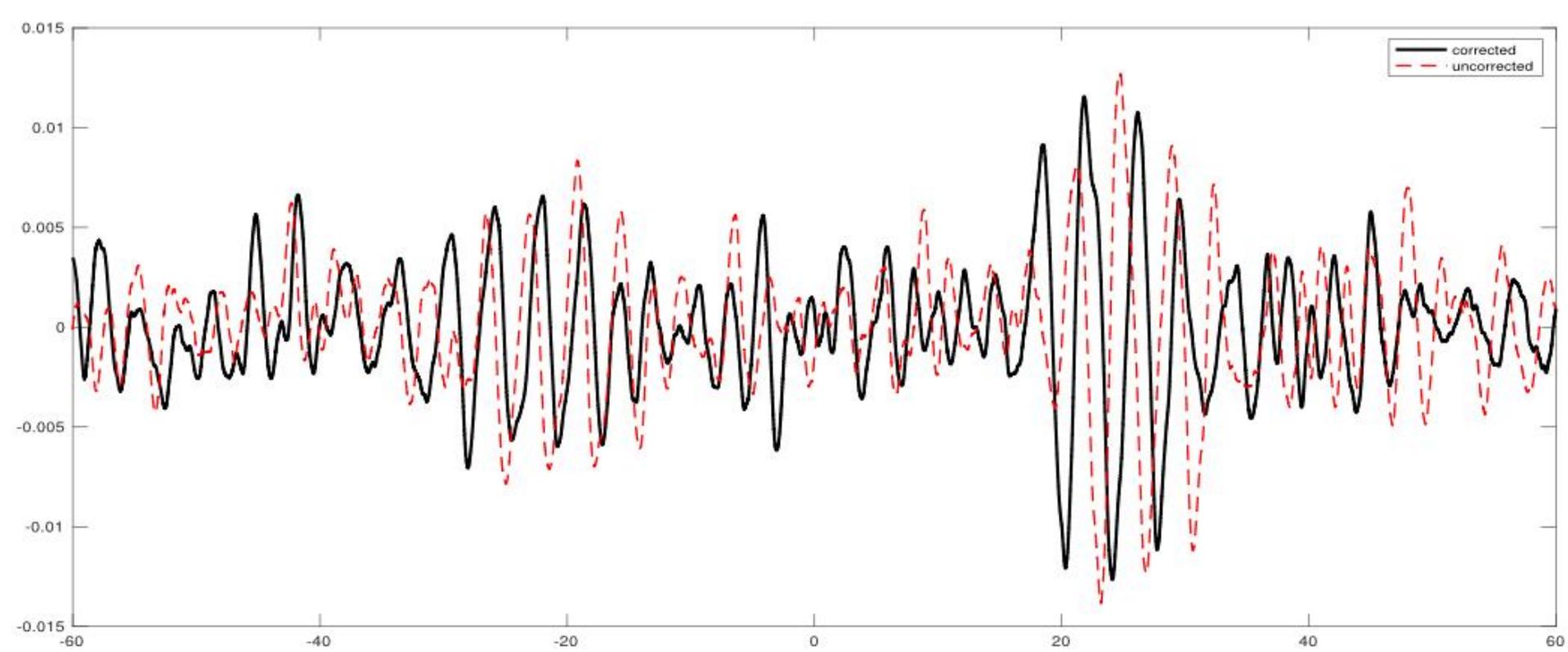


Cross Correlation Coefficients

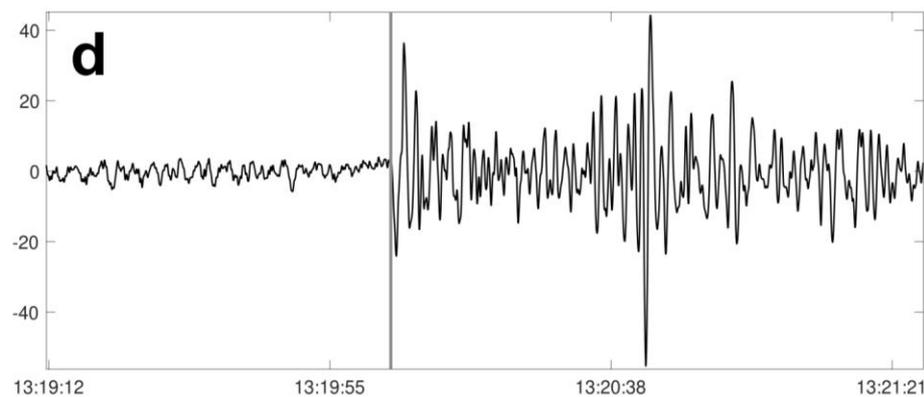
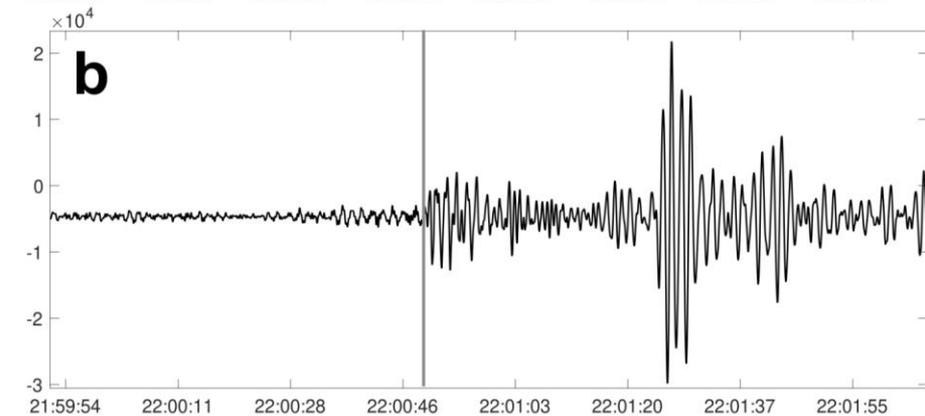
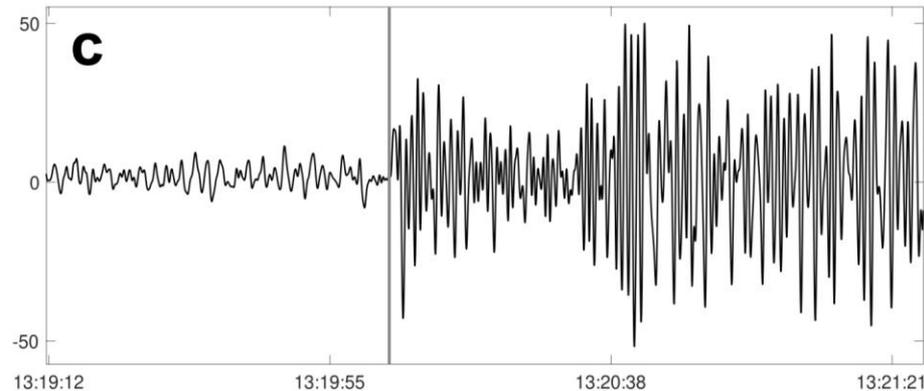
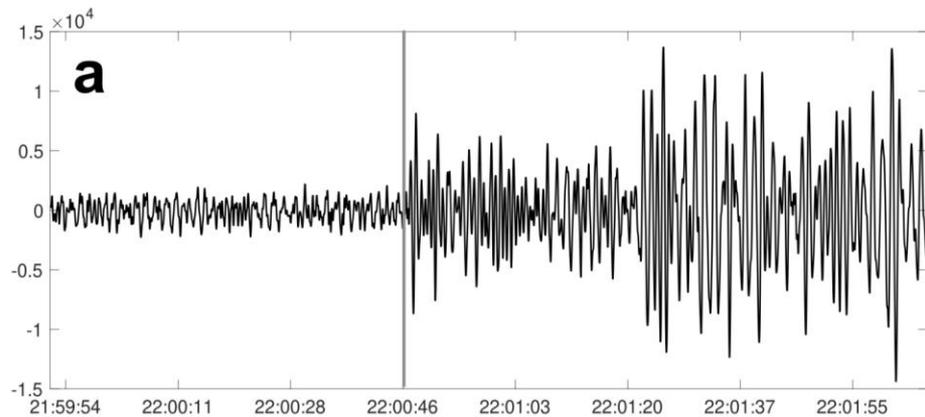








Region	Era	Time (UTC)	Lat (°S)	Lon (°E)	Dep (km)	Mag	Mechanism
Solomon Islands	Analog	Aug 10, 1988 04:38:26	10.366	160.819	34.0	7.6	
Solomon Islands	Modern	Jan 10, 2017 15:27:15	10.349	160.766	26.0	6.3	
Vanuatu	Analog	Aug 10, 1988 13:11:19	14.880	167.293	124.8	6.8	
Vanuatu	Modern	Oct 20, 2015 21:52:02	14.860 S	167.303	135.0	7.1	



Correlation Function	Cross Correlation	Teleseismic
0807B	2.7 ± 0.7	N/A
0808A	2.8 ± 0.7	N/A
0808B	2.9 ± 0.8	N/A
0809A	1.0 ± 0.8	N/A
0809B	-4.5 ± 0.8	-4.7 ± 0.5
0810A	6.2 ± 0.7	5.2 ± 0.5

