

**2017 EarthScope National Meeting
List of Posters**

Subduction Zone Structure and Deformation

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002	3D model of the subducting plate interface between Kodiak Island and Shumagin Islands offshore the Alaska Peninsula	Harold Kuehn	Mladen Nedimovicà, Donna Shillington, Anne Blochel, Jiyao Li, Matthias Delescluse, Spahr Webb, Keith Louden
003	Seismic and Infrasonic Observations of Mount Cleveland, Alaska: An Open Vent Volcano in the Central Aleutian Arc	John Lyons	Diana Roman, John Power, Matt Haney
004	Segment boundary and upper plate characteristics for the Kodiak region of the Alaska megathrust	Marlon Ramos	Lee Liberty
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007	The effects of subduction on the seismic structure of the crust and upper mantle in the Pacific Northwest	Jonathan Delph	Alan Levander, Fenglin Niu
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011	Orientations and relative shear-strain response coefficients for PBO Gladwin Tensor Strainmeters from teleseismic Love waves	Evelyn Roeloffs	
012	Origin of Yellowstone Hotspot Track due to Intruding Hot Mantle	Quan Zhou	Lijun Liu
013	Template Matching Analysis of Swarms in Oaxaca, Mexico and Their Relationship to Slow Slip	Shannon Fasola	Mike Brudzinski, Steve Holtkamp, Rob Skoumal, Enrique Cabral-Cano, Alejandra Arciniega-Ceballos
014	High resolution, self-consistent and realistic subduction zone simulations	Xiaolin Mao	Micheal Gurnis, Dave May
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New EarthScope Results from Alaska

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020	Slow Slip and Mixed Seismic/Aseismic Moment Release Episodes on the Alaskan-Aleutian Megathrust	Stephen Holtkamp	
021	Short-term Slow Slip Events at the Southcentral Alaska Subduction Zone	Jessica McGuire	Yuning Fu, Jeff Freymueller
022	Short-term stresses, displacements and gravity change associated with cryospheric fluctuations in tectonically active south-central Alaska.	Jeanne Sauber	Jeffrey Freymueller, James Davis, Natalia Ruppert, Shin-Chan Han, Bryant Loomis, Scott Luthcke
023	Remote explosive volcanic eruption detection, location, and characterization using the EarthScope Transportable Array in Alaska.	Richard Sanderson	Robin Matoza, David Fee, Matt Haney, John Lyons
024	An unscented Kalman filter combining GPS and InSAR for time-dependent modeling of volcanic deformation at Okmok volcano, Alaska	Xueming Xue	Jeff Freymueller
025	EarthScope Transportable Array Posthole Sensor Emplacements in Alaska and Canada	Kasey Aderhold	Robert W. Busby, Andy Frassetto, Max Enders, Jeremy Miner, Ryan M. Bierma, Robert Woodward
026	Full waveform time domain analysis of ionospheric current and magnetotelluric electromagnetic fields in Poker Flat, Alaska	Naoto Imamura	Adam Schultz, Russell Cosgrove
027	Investigating the Effect of Mantle Flow and Viscosity Structure on Surface Velocities in Alaska Using 3-D Geodynamic Models	Joseph McConeghy	Lucy Flesch, Julie Elliott
028	Effects of Flat Slab Subduction on Shear Wave Splitting in Alaska	Amanda McPherson	Douglas Christensen
029	Assessing the role of water in Alaskan flat slab subduction	Sarah Robinson	Ryan Porter, Thomas D. Hoisch
030	Contributions of USArray to Earthquake Monitoring in Alaska	Natalia Ruppert	Michael West
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032	A seismic noise analysis to assess the influences of structure, site, and installation for the SALMON experiment in the Cook Inlet region, southern Alaska	Carl Tape	Justin Sweet, Kyle Smith, Douglas Christensen, Melissa M. Moore-Driskell
033	An unwanted long-period step-response signal: examples from Alaska earthquakes	Carl Tape	Vipul Silwal, Stephen Holtkamp
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040	Analysis of regional seismograms and 3D synthetic seismograms for the 2016-01-24 Mw 7.1 Iniskin earthquake in southern Alaska	Carl Tape	

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075	Joint Inversion of Continuous GPS and InSAR Data to Constrain the Spatiotemporal Evolution of Strain Release from the 2016 Kumamoto Earthquake Sequence: Implications for the Shallow Slip Deficit and the Role of Aseismic Slip	Christopher Milliner	Burgmann, R., Teng, W., Inbal, A., Liang, C., Fielding, E.
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081	Lithospheric discontinuities beneath the US Midcontinent – signatures of Proterozoic terrane accretion and a failed rift	Chen Chen	Hersh Gilbert, Karen M. Fischer, Christopher L. Andronicos, Gary L. Pavlis, Michael W. Hamburger, Stephen Marshak, Timothy Larson, Xiaotao Yang
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094	Shallow velocity structure of the Socorro Magma Body from ambient noise tomography using the large-N Sevilleta array, central Rio Grande Rift, New Mexico	Nishath Ranasinghe	Lindsay Worthington, Brandon Schmandt, Chengxin Jiang, Tori Finlay, Susan Bilek, Rick Aster
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E&O: What have people done and what are results from EarthScope E&O activities?

<u>Poster Number</u>	<u>Title</u>	<u>Author</u>	<u>Additional Author(s)</u>
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Facilities, Operations & Management

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101	Case studies of anomalous time series signals from GPS stations in the EarthScope Plate Boundary Observatory (PBO)	Christine Puskas	David A. Phillips, Charles M. Meertens, Glen Mattioli, Thomas A. Herring, Timothy I. Melbourne, Mark H. Murray, Michael A. Floyd, Walter M. Szeliga, Robert W. King, Chris Walls, Doerte Mann, Adam Woolace, Ken Austin, Ryan Turner, Ellie Boyce
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