Date	Time	Location	Session #	Paper/Poster #	Authors	Title
Monday, December						
	8:45 AM - 9:00 AM	Room 2009	S11D. The Future of Structural Seismology	S11D-04	Fan-Chi Lin; Michael H. Ritzwoller	Surface wave tomography with USArray based on phase front tracking and amplitude mapping: isotropic, anisotropic, and intrinsic attenuation structures
	9:30 AM - 9:45 AM	Room 2009	S11D. The Future of Structural Seismology	S11D-07	Janine S. Buehler; Peter M. Shearer	Localized Imaging of the Uppermost Mantle with USArray Regional Data
	11:50 AM - 12:05 PM	Room 2009	S12C. The Future of Structural Seismology II	S12C-07	Anna E. Foster; Goran Ekstrom; Vala Hjorleifsdottir	Surface-wave arrival angles across the USArray TA: the influences of path characteristics and an evaluation of current earth models
	1:40 PM - 1:55 PM	Room 2016	**T13G. Characterization of Fault Zone**	T13G-01	*William L. Ellsworth; Peter E. Malin*	Extensive Deep Rock Damage in the San Andreas Fault at SAFOD
	5:15 PM - 5:30 PM	Room 2009	**S14B. Recent Intraplate Earthquakes:**	S14B-06	*Larry D. Brown; Kathy Davenport; Diego A. Quiro*	Aftershock Imaging with Dense Arrays (AIDA) following the August 23, 2011, Mw 5.8, Virginia Earthquake: Feasibility Demonstration and Preliminary Results
	2:25 PM - 2:40 PM	Room 3024	G13B. Plate Motion and Continental Tectonics II	G13B-04	Frederick F. Pollitz; Christine Puskas	Viscoelastic-cycle model of interseismic deformation in the western U.S. (Invited)
	8:00 AM - 12:20 PM	Halls A-C	G11A. Plate Motion and Continental Tectonics I	G11A-0860	Christine Puskas; Robert B. Smith; Wu-Lung Chang; Alan Cannaday; Christopher B. DuRoss	Comparison of Moment Rates from GPS Observations and Late Quaternary Paleoearthquakes on the Wasatch Fault, Utah
	8:00 AM - 12:20 PM	Halls A-C	**S11B. Progress in Understanding Intr**	S11B-2223	*Suzan Van der Lee*	SPREE: Field Experiment to Study Deep Structure of the Mid-continent Rift *(Invited)*
	8:00 AM - 12:20 PM	Halls A-C	**S11B. Progress in Understanding Intr**	S11B-2236	*John A. Hole; Kathy Davenport; Liang Han; Martii*	Dense array recordings of the central Virginia earthquake aftershock sequence: A prototype for Flexi-RAMP
	8:00 AM - 12:20 PM	Halls A-C	**S11B. Progress in Understanding Intr**	S11B-2220	Michael W. Hamburger; Hersh J. Gilbert; Gary L. Pavlis; Timothy H. Larson; Stephen Marshak	Initial Results from the Ozark-Illinois-Indiana-Northern Kentucky (OIINK!) EarthScope Project in North America"s Midcontinent Cratonic Platform
	1:40 PM - 6:00 PM	Halls A-C	G13A. Advances in Gravimetry and Geodetic Imaging: Instrumentation, Methods, and Applications III	G13A-0872	Adrian A. Borsa; Jean-Bernard H. Minster	Rapid Determination of Near-Fault Earthquake Deformation Using LIDAR
	1:40 PM - 6:00 PM	Halls A-C	**T13A. Creep and Faulting in Nature, t**	T13A-2347	*Melodie E. French; Hiroko Kitajima; Judith S. Che*	The mechanical behavior and weakening mechanisms of smectite-rich SAFOD gouge at seismic slip-rates
	1:40 PM - 6:00 PM	Halls A-C	ED13C. Geoscience Education: Cognition, Learning and Discipline-based Education Research I	ED13C-0829	Michael Hubenthal; Tom O'Brien; J Taber	Posters that foster cognition in the classroom: Multimedia theory applied to educational posters
	1:40 PM - 6:00 PM	Halls A-C	S13A. The Static Versus Dynamic Earthquake Triggering Debate: What"s New and What"s Next?	S13A-2258	Ibrahim Cerda; Hector Gonzalez-Huizar; Aaron A. Velasco; Deborah L. Kilb; Kristine L. Pankow	Systematic Analysis of Dynamic Earthquake Triggering Using the EarthScope's USArray Data
	1:40 PM - 6:00 PM	Halls A-C	T13A. Creep and Faulting in Nature, the Lab, and Theory I	T13A-2348	Elizabeth J. VANBOSKIRK; Michael H. Gottlieb; Kathleen M. Hodgkinson; David Mencin; Wade Johnson; Chad Pyatt; David B. Henderson; Otina Fox; Warren W. Gallaher; Michael E. Jackson	2011 Creep Event Observations in Borehole Strainmeter Instrumentation Along the San Andreas and San Jacinto Faults
Tuesday, December						
	8:45 AM - 9:00 AM	Room 103	U21C. Data and Information Quality Really Matters in the Era of Predictive and Often Contentious Science I (Video On-Demand)	U21C-04	David J. Carlson; Hans Pfeiffenberger	How To Promote Data Quality And Access? Publish It!
	12:05 PM - 12:20 PM	Room 301	ED22A. Increasing Diversity in the Geosciences" Workforce II	ED22A-08	Valerie Sloan; Rebecca Haacker-Santos; Raj Pandya	Building a Network of Internships for a Diverse Geoscience Community
	12:30 PM - 1:30 PM	Room 2008	TH22G. EarthScope Town Hall		Ramon Arrowsmith, Moderator	EarthScope Town Hall
	8:00 AM - 12:20 PM	Halls A-C	S21B. The Future of Structural Seismology IV	S21B-2191	Chen Chen; Larry D. Brown; Suzanne M. Kay	Mapping lithospheric structure beneath the Puna Plateau of the central Andes using depth phase precursors recorded by EarthScope's USArray
	8:00 AM - 12:20 PM	Halls A-C	S21B. The Future of Structural Seismology IV	S21B-2182	Jessica A. Lodewyk; Li Zhao; Suzan Van der Lee	Finite-frequency Sn-wave sensitivity kernels for the M6.0 Wells, Nevada earthquake and USArray stations
	8:00 AM - 12:20 PM	Halls A-C	S21B. The Future of Structural Seismology IV	S21B-2205	Anastasija Cabolova; Larry D. Brown	Zero-offset reflection response for Colorado Plateau and Rio Grande Rift from autocorrelation of ambient noise recorded by USArray.
	1:40 PM - 6:00 PM	Halls A-C	DI23C. Understanding the Electrical Conductivity of Earth"s Mantle: Insights from Imaging, Experiments, and Joint Interpretation I	DI23C-2093	Naser M. Meqbel; Gary D. Egbert; Anna Kelbert	Three dimensional electrical conductivity model of the Northwestern US derived from 3-D inversion of USArray magnetotelluric data
	1:40 PM - 6:00 PM	Halls A-C	**T23E. What Can Fault Rocks Tell Us A**	T23E-2468	*Carolyn A. Morrow; David A. Lockner; Diane E. M*	Permeability, Electrical Resistivity and Frictional Strength of SAFOD Fault Gouge and Damage Zone Rocks
	1:40 PM - 6:00 PM	Halls A-C	ED23A. Faculty Professional Development: Real and Virtual Models I	ED23A-0614	Susan C. Eriksson; Ramon Arrowsmith; Shelley E. Olds	Professional Development for Researchers in Solid Earth Science Evolved to Include Scientific and Educational Content
	1:40 PM - 6:00 PM	Halls A-C	T23E. What Can Fault Rocks Tell Us About Earthquake Mechanics? I	T23E-2470	Wade Johnson; Elizabeth Van Boskirk; David Mencin; Michael H. Gottlieb; Chad Pyatt; Kathleen M. Hodgkinson; Otina Fox; Warren W. Gallaher; Adrian A. Borsa	The Plate Boundary Observatory Borehole Network: Geologic Resources from Drilling and Logging
Wednesday,						
	4:15 PM - 4:30 PM	Room 302	ED34B. Successes and Lessons Learned From Master Teacher Volunteer Projects and Early Career Scientists Activities II	ED34B-02	Jennifer F. Provencher; Jenny L. Baeseman; David J. Carlson; Kristin Timm	The IPY Education, Outreach and Communication Assessment: How IPY is shaping the future of science outreach (Invited)
	10:20 AM - 12:20 PM	Room 2007	**S32B. Observations and Modeling of**	S32B-08	*Joan S. Gomberg; John E. Vidale*	Cascadia Subduction Zone Earthquake Source Spectra from an Array of Arrays
	9:30 AM - 9:45 AM	Room 2011	**T31F. Sedimentation, Basin Developn**	T31F-07	*Kathy Davenport; John A. Hole; Joann M. Stock;*	The Salton Seismic Imaging Project: Tomographic characterization of a sediment-filled rift valley and adjacent ranges, southern California
	5:15 PM - 5:30 PM	Room 3010	NH34A. Characterizing Risk and Extent of Major Disasters Caused by Geohazards II	NH34A-06	Shelley E. Olds; Valerie Sloan; Susanna Gross; Frederick Blume; James Riley	Geohazard Data Sharing In The 21st Century: Three Online Venues For The Scientific Community
	8:00 AM - 12:20 PM	Halls A-C	A31A. Advances in Atmospheric Infrasound I	A31A-0038	Jonathan E. Tytell; Frank L. Vernon; Robert W. Busby; Jennifer A. Eakins; Michael A. Hedlin; Andreas Muschinski; Kristoffer T. Walker; Robert Woodward	Severe Weather Case Studies from the USArray Transportable Array Network
	4:15 PM - 4:30 PM	Room 302	ED34B. Successes and Lessons Learned From Master Teacher Volunteer Projects and Early Career Scientists Activities II	ED34B-02	Jennifer F. Provencher; Jenny L. Baeseman; David J. Carlson; Kristin Timm	The IPY Education, Outreach and Communication Assessment: How IPY is shaping the future of science outreach (Invited)
	8:00 AM - 12:20 PM	Halls A-C	G31A. Advances in GNSS Data Applications and Techniques: Real Time GPS Seismology and Beyond	G31A-0953	Kenneth Austin; Adrian A. Borsa; Karl Feaux; Todd B. Williams; Michael E. Jackson	The EarthScope Plate Boundary Observatory (PBO) Cascadia High-rate Real-time GPS Network - Network Completion to Data Products
	8:00 AM - 12:20 PM	Halls A-C	G31A. Advances in GNSS Data Applications and Techniques: Real Time GPS Seismology and Beyond I	G31A-0940	Henry T. Berglund; Frederick Blume; Lou Estey; Seth White	GPS/GNSS Interference from Iridium Data Transmitters
	8:00 AM - 12:20 PM	Halls A-C	DI31B. The Mantle Transition Zone: A Window Into the Deep Earth I	DI31B-2177	Zhao Zheng; Barbara A. Romanowicz	Small-scale Lateral Variations of S670S Characteristics at Okhotsk Sea Observed on the US Transportable Array
	8:00 AM - 12:20 PM	Halls A-C	DI31B. The Mantle Transition Zone: A Window Into the Deep Earth I	DI31B-2180	Risheng Chu; Donald V. Helmberger	Transition-zone structures derived from USArray triplication data
	1:40 PM - 6:00 PM	Halls A-C	**T33G. Sedimentation, Basin Developr**	T33G-2495	*Gary S. Fuis; Mark Goldman; Robert R. Sickler; F*	The Salton Seismic Imaging Project: Investigating Earthquake Hazards in the Salton Trough, Southern California
	1:40 PM - 6:00 PM	Halls A-C	**T33G. Sedimentation, Basin Developr**	T33G-2497	*Jonathan Delph; John A. Hole; Gary S. Fuis; Joar*	The Salton Seismic Imaging Project: Seismic velocity structure of the Brawley Seismic Zone, Salton Buttes and Geothermal Field, Salton Trough,
	1:40 PM - 6:00 PM	Halls A-C	**T33G. Sedimentation, Basin Developr**	T33G-2498	*Liang Han; John A. Hole; Joann M. Stock; Gary S*	The Salton Seismic Imaging Project (SSIP): Active Rift Processes in the Brawley Seismic Zone
	1:40 PM - 6:00 PM	Halls A-C	**T33E. Physicochemical Properties of**	T33E-2464	*James Scott; Virginia G. Toy; Thomas M. Mitchel*	Chemical and Microstructural Changes During Development of Mixed Ultramafic-quartzofeldspathic Fault Rock and the Effect on Mechanical Behaviour; Observations from SAFOD Gouge
	1:40 PM - 6:00 PM	Halls A-C	**T33E. Physicochemical Properties of**	T33E-2465	*Alan P. Boyle; Jafar Hadizadeh*	Evidence From Pyrite Microstructure For Earlier Higher Temperature Deformation History In SAFOD
	8:00 AM - 12:20 PM	Halls A-C	S31B. Geophysical Characterization of Magmatic Systems I	S31B-2243	Wu-Lung Chang; Robert B. Smith; Jamie Farrell; Christine Puskas	Temporal Variations of Yellowstone Ground Deformation, 2004-2011, from Geodetic Observations and Magmatic Source Modeling
Thursday,						
	9:00 AM - 9:15 AM	Room 301	ED41C. Impacts of Over a Decade of CAREER Awards II	ED41C-05	Bridget R. Smith-Konter	Focusing the EarthScope for a Broader Audience

			AGU Fall Meeting, December 5-9, 2011			
				Talks and Posters		
	3:25 PM - 3:40 PM	Room 2006	G43C. Small Is Beautiful: The Chase for Low Amplitude Signals II	G43C-08	Charles M. Meertens; John M. Wahr; Tonie M. van Dam; Thomas Herring	Detection and modeling of low amplitude deformation signals in the EarthScope Plate Boundary Observatory (PBO)
	3:10 PM - 3:25 PM	Room 3004	A43E. Advances in Atmospheric Infrasound II	A43E-07	Frank L. Vernon; Jonathan E. Tytell; Robert W. Busby; Jennifer A. Eakins; Michael A. Hedlin; Andreas Muschinski; Kristoffer T. Walker; Robert Woodward	Real-Time Observations of Several Powerful Tornadoes by the USArray Transportable Array Network
	3:25 PM - 3:40 PM	Room 3004	A43E. Advances in Atmospheric Infrasound II	A43E-08	Kristoffer T. Walker; Richard Shelby; Michael Hedlin; Catherine D. deGroot-Hedlin; Frank L. Vernon	Illuminating infrasonic hotspots with the USArray and Southern California Seismic Network (Invited)
	3:25 PM - 3:40 PM	Room 2006	G43C. Small Is Beautiful: The Chase for Low Amplitude Signals II	G43C-08	Charles M. Meertens; John M. Wahr; Tonie M. van Dam; Thomas Herring	Detection and modeling of low amplitude deformation signals in the EarthScope Plate Boundary Observatory (PBO)
	8:00 AM - 12:20 PM	Halls A-C	ED41B. Engaging Societal Sectors in Environment: Mobile Apps for Environmental Monitoring and Education: Using Social Media, Demos, Tours, and Other Student Efforts in Geoscience Education and Outreach	ED41B-053	Wendy Bohon; Rebecca Frus; Ramon Arrowsmith; Matthew J. Fouch; Ed J. Garnero; Steven C. Semken; Wendy L. Taylor	EarthScope"s Education, Outreach, and Communications: Using Social Media from Continental to Global Scales
	8:00 AM - 12:20 PM	Halls A-C	G41A. New Science Results From the EarthScope Plate Boundary Observatory	G41A-0717	Timothy Dittmann; Karl Feaux; David Kasmer; Fred Jenkins; David Mencin	2011 Operations and Maintenance Activities in the East Region of UNAVCO's Plate Boundary Observatory.
	8:00 AM - 12:20 PM	Halls A-C	G41A. New Science Results From the EarthScope Plate Boundary Observatory	G41A-0718	Max Enders; Eleanor S. Boyce; Ryan Bierma; Kristen Walker; Karl Feaux	The Earthscope Plate Boundary Observatory Alaska Region an Overview of Network Operation, Maintenance and Improvement
	8:00 AM - 12:20 PM	Halls A-C	G41A. New Science Results From the EarthScope Plate Boundary Observatory	G41A-0719	Christian P. Walls; Andre Basset; Doerte Mann; Shawn Lawrence; Chelsea Jarvis; Karl Feaux; Michael E. Jackson	PBO Southwest Region: Baja Earthquake Response and Network Operations
	8:00 AM - 12:20 PM	Halls A-C	G41A. New Science Results From the EarthScope Plate Boundary Observatory	G41A-0720	Joshua C. Spinler; Richard A. Bennett; J J. Gonzalez-Garcia; Christian P. Walls	Coseismic and Postseismic Deformation Associated with the Mw7.2 2010 El Mayor-Cucapah Earthquake, Baja California, Mexico, from GPS Geodesy
	8:00 AM - 12:20 PM	Halls A-C	G41A. New Science Results From the EarthScope Plate Boundary Observatory	G41A-0726	Kathleen M. Hodgkinson; David Mencin; Adrian A. Borsa; Otina Fox; Warren W. Gallaher; Michael H. Gottlieb; David B. Henderson; Wade Johnson; Chad Pyatt; Liz Van Boskirk	Calibrated Plate Boundary Observatory Borehole Strainmeter Data
	8:00 AM - 12:20 PM	Halls A-C	G41A. New Science Results From the EarthScope Plate Boundary Observatory	G41A-0728	Francesco Civilini	Correlation of pore pressure and strain observations from earthquakes recorded at EarthScope PBO borehole strainmeter sites.
	8:00 AM - 12:20 PM	Halls A-C	G41B. Satellite Orbits and Attitude: Attacking the Error Budgets I	G41B-0731	Lou Estey; Stuart Wier	GLONASS Orbits in Teqc: Methodology and Future Extension for Using SP3 Orbits
	1:40 PM - 6:00 PM	Halls A-C	**S43A. Explosion Geophysics II Poste**	S43A-2213	*Frederick F. Pollitz ; Justin L. Rubinstein; William*	Source characterization of near-surface chemical explosions at SAFOD
	1:40 PM - 6:00 PM	Halls A-C	**T43C. Deformation Processes: Micro**	T43C-2339	*Christoph Janssen ; Richard Wirth; Manuel Kiena*	Effects of fluids on faulting within active fault zones - evidence from drill core samples recovered during the San Andreas Fault Observatory at Depth (SAFOD) drilling project
	8:00 AM - 12:20 PM	Halls A-C	S41A. 3D Seismic Imaging	S41A-2185	Emily Wolin; Suzan Van der Lee	Preliminary analysis of SPREE Flexible Array data for lithospheric heterogeneity below the Midcontinent Rift
Friday, December 9						
	1:40 PM - 3:40 PM	Room 2006	G53C. New Science Results From the EarthScope Plate Boundary Observatory II	G53C-02	Meng Wei; Jeffrey J. McGuire; Eliza Richardson; Rachael L. Kraft; Michael D. Hardwig	Searching for Strain Transients in PBO data (Invited)
	2:10 PM - 2:25 PM	Room 2006	G53C. New Science Results From the EarthScope Plate Boundary Observatory II	G53C-03	Bridget R. Smith-Konter	EarthScope imaging of 4D stress evolution of the San Andreas Fault System
	5:30 PM - 5:45 PM	Room 102	IN54A. Advances in Multidisciplinary Information Systems II	IN54A-07	Christopher J. Crosby; J. B. Blair; Claudia C. Carabajal; Terence M. Haran; Michelle A. Hofton; SiriJodha S. Khalsa; Jeff McWhirter; Charles M. Meertens; Viswanath Nandigam	NLAS: Improving the Accessibility and Utility of Lidar Waveform Data in the Earth Sciences
	8:00 AM - 12:20 PM	Halls A-C	U51A. Climate Loads as Forcers of Seismic and Volcanic Processes I Posters	U51A-0002	David Mencin; Henry Heasler; Kathleen M. Hodgkinson; Adrian A. Borsa; Jenna Lente	Possible Seiches in Lake Yellowstone and Their Implications
	8:00 AM - 12:20 PM	Halls A-C	ED51A. Broader Impacts of Earth Science Education at the State and National Levels	ED51A-0740	Steven C. Semken; Ramon Arrowsmith; Matthew J. Fouch; Ed J. Garnero; Wendy L. Taylor	EarthScope: Earth Science Education and Outreach on a Continental Scale
	8:00 AM - 12:20 PM	Halls A-C	**S51C. Structure I Posters**	S51C-2239	*William L. Yeck ; Anne F. Sheehan; Vera Schulte-*	Bighorn Arch Seismic Experiment (BASE) crustal thickness: results from two layer teleseismic receiver function H-K stacking
	8:00 AM - 12:20 PM	Halls A-C	ED51B. Exploring Hazards and Seismic Waves	ED51B-0746	J Taber; Manouchehr Bahavar; Tammy K. Bravo; Robert F. Butler; Deborah L. Kilb; Chad Trabant; Robert Woodward; Charles J. Ammon	Visualizing how Seismic Waves Propagate Across Seismic Arrays using the IRIS DMS Ground Motion Visualization (GMV) Products and Codes
	8:00 AM - 12:20 PM	Halls A-C	ED51B. Exploring Hazards and Seismic Waves	ED51B-0747	Tammy K. Bravo; Ben Coleman; J Taber	Teaching with Real-time Earthquake Data in jAmaSeis
	8:00 AM - 12:20 PM	Halls A-C	ED51B. Exploring Hazards and Seismic Waves	ED51B-0748	Margaret H. Benoit; J Taber; Michael Hubenthal	Bringing Seismology"s Grand Challenges to the Undergraduate Classroom
	8:00 AM - 12:20 PM	Halls A-C	ED51B. Exploring Hazards and Seismic Waves	ED51B-0755	Jesse F. Lawrence; Elizabeth S. Cochran; Carl M. Christensen; Jennifer Saltzman; J Taber; Michael Hubenthal	The Quake-Catcher Network: Bringing Seismology to Homes and Schools (Invited)
	8:00 AM - 12:20 PM	Halls A-C	ED51C. Using Communication Courses and Video to Improve Science Communication	ED51C-0762	Megan Berg	Video podcasts as a long-distance outreach tool: Polar science from Byrd Camp, West Antarctica
	8:00 AM - 12:20 PM	Halls A-C	G51A. What Geodesy Can Derive From the 2011 Great Tohoku, Japan, Earthquake? II Posters	G51A-0863	Frederick Blume; Guoquan Wang	Performance of High-Rate Kinematic GPS During Strong Shaking: Observations from Shake Table Tests and the 2010 Maule and 2011 Tohoku Earthquakes
	8:00 AM - 12:20 PM	Halls A-C	S51A. Catalogs, Networks, and Instrument	S51A-2206	Oner Sufri; Keith D. Koper	Exploration and Visualization of Continuous Seismic Data Recorded by the Earthscope Transportable Array in 2009
	8:00 AM - 12:20 PM	Halls A-C	S51A. Catalogs, Networks, and Instruments I	S51A-2210	Alexander Hutko; Ed J. Garnero; Chad Trabant; Manochehr Bahavar; Timothy K. Ahern; Robert Casey; Rick B. Benson	Illuminating the teleseismic wavefield with USArray
	8:00 AM - 12:20 PM	Halls A-C	S51C. Structure	S51C-2222	Christian R. Escudero; Diane I. Doser	CODA WAVE ANALYSIS IN CENTRAL-WESTERN NORTH AMERICA USING EARTHSCOPE TRANSPORTABLE ARRAY DATA
	8:00 AM - 12:20 PM	Halls A-C	S51C. Structure	S51C-2227	Greg M. Duncan; Harold Gurrola	Beamforming of transportable array data to improve content of PP/SS precursors from the central Pacific region