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Seismological Research Letters—Submissions

Seismological Research Letters (SRL) is a journal containing articles and items of broad appeal on topics in seismology and earthquake engineering. Articles submitted to *SRL* should be informational in nature and should be of current interest to a cross-section of SSA membership. Articles expressing some particular view about seismology or seismological research also will be accepted. Articles that contain original research results should be submitted to the *Bulletin of the Seismological Society of America (BSSA)*. News and notes, special reports on particular earthquakes, seismic network summaries, information on computer hardware or software pertinent to seismology, seismological equipment information, book reviews, and letters to the editor also are solicited for publication in *SRL*.

Consult the *SRL Information for Authors* at <http://www.seismosoc.org/publications/srl/srl-authorsinfo.php> for details about making submissions. In general, articles should not exceed 20 pages of double-spaced text (excluding figures) unless approved by the editor. Electronic supplements can be considered for *SRL*; the electronic supplement policy is posted at <http://www.seismosoc.org/publications/esupps.php>. The *SRL* Editor in Chief is Jonathan M. Lees, srl@seismosoc.org.

Upload submissions via *SRL*'s electronic submission system at <http://srl.edmgr.com>. Direct questions about the system to the managing editor at srl@seismosoc.org.

Submissions to the Eastern Section of the SSA (ES-SSA) Section of *SRL*

The ES-SSA Section of *SRL* is devoted to the seismology of continental interiors. Articles pertaining to eastern North American earthquakes, intraplate seismotectonics, and earthquake engineering are particularly encouraged. Upload submissions to the Eastern Section via *SRL*'s electronic submission system at <http://srl.edmgr.com>. The ES-SSA editor is Martin C. Chapman, Dept. of Geological Sciences, Virginia Polytechnic & State Univ., 4044 Derring Hall, Blacksburg, VA 24061; telephone +1-540-231-5036; fax +1-540-231-3386; e-mail mcc@vt.edu. Appropriate review articles and tutorials are encouraged, as well as news and notes pertaining to the Eastern Section of SSA. Referees are sought on all ES-SSA papers exceeding four published pages in length. Page charges for articles in the ES-SSA Section are \$25 for each printed page. The editor may allow exceptions to the page charges under certain circumstances.

On the Cover

Giant earthquakes require quick action from the USGS National Earthquake Information Center, and an account of the 88 hours after the Mw 9.0 Tohoku earthquake of 11 March 2011 (page 481) provides a behind-the-scenes look at the response. *Front:* Map showing the source region of the Tohoku earthquake. The USGS rapid finite fault solution shows an early estimate of the slip distribution over the subduction interface during the mainshock, contoured with light gray dotted lines in 4 m intervals. Dark gray dashed lines represent the USGS Slab1.0 subduction zone interface model for the Pacific plate; the light blue solid line marks the approximate trench location. Red circles depict the mainshock and aftershock sequence, sized by magnitude, through the end of April 2011. Regions with slip below 4 m are partially transparent. *Back:* Global vertical displacement wavefield for the Tohoku earthquake recorded by the IRIS/USGS Global Seismographic Network. The short arc Rayleigh wave (R1), major arc Rayleigh wave (R2), and their multiple orbits are visible across the entire GSN; 3.6 km/s travel time curves are plotted. Peak vertical ground motion in Argentina (160° away) was approximately 2 cm. Data are from the IRIS Data Management Center (DMC); additional plots are available at <http://www.iris.edu/spud/eventplot>.

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