Workshop Volume Publication Details and the Online SeismoArchives at http://www.iris.edu/seismo/ as a Data Resource for Tsunamigenic Earthquakes

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Papers presented in this Tsunami Sources Workshop will be published as a special issue in the journal Pure and Applied Geophysics (Pageoph) in about one year. This issue will also be available as a Pageoph Topical Volume, with the title: "Great Earthquake Tsunami Sources: Empiricism and Beyond Empiricism", a softbound book for about \$80. There will be no page charge in general, except that the author must pay for any color figure(s) in the paper. Only original work (that is not considered for publication elsewhere) may be submitted. Instructions for authors are posted in the Workshop Website under "Instructions for Authors". We will follow the schedule below with firm deadlines:

(1) Manuscript submission: June 30, 2006
(2) Manuscript review: October 31, 2006
(3) Revised manuscript: December 31, 2006
(4) Final manuscript: January 31, 2007

In the past decade, modern information technology (including World-Wide Web and Internet) has made it possible to post huge amounts of data for easy online access. The primary goal of the SeismoArchives project is to create online seismogram archives of significant earthquakes of the world. Since the modern digital seismograms cover the whole world adequately for only about 20 years, the analog seismograms of over 100 years are very valuable for seismological research, especially as data sources for earthquakes in general and for tsunamigenic earthquakes in particular. However, a pile of seismograms in the form scanned image files on computer is not easy to use for research unless the seismograms can be quickly viewed, and some supporting materials and data are also available.

SesimoArchives now under construction at the IRIS DMC take advantage of the modern information technology for archiving and disseminating seismograms and related materials. At present, there are 3 major sections: (1) Archives by Individual Earthquakes, (2) Archives by Special Projects, and (3) Background Information. Each individual earthquake archive contains seismograms as well as supporting materials and links to appropriate files (if any) stored in the "Background Information". Since some collections of seismograms were created for certain specific projects, we will archive them under "Archives by Special Projects". In the section on "Background Information", digital image files of papers, books, reports, photos, and maps are archived in order to provide useful background information for the scanned seismograms. At present, this section is far from being adequate. It has (1) Historical Information: early developments in seismology, especially about instruments; (2) Seismographic Stations: lists of historical and WWSSN stations that contain detailed station information; and (3) Books and Reports: some selected out-of-print publications.

To preserve WWSSN and historical seismograms and related materials online is an immense task for volunteers. Since it is a labor of love, we hope enough seismologists will join us in contributing their data files and in preparing "SeismoArchives" online. Otherwise, every seismologist in need of these data will have to spend a lot of time in locating and obtaining copies. At the time of writing this abstract, 27 earthquake archives are online, and about 100 more archives are waiting in construction. We realize that the scanned seismograms (in image files) are just the first step. We hope users of these image files will convert them to digital data files. IRIS DMC is now working hard to make the necessary digitizing software freely available. Please visit the Online SeismoArchives at http://www.iris.edu/seismo/.