

# GeoPRISMS Data Portal

[www.marine-geo.org/portals/geoprisms/](http://www.marine-geo.org/portals/geoprisms/)

MARINE GEOSCIENCE DATA SYSTEM [Search for Data](#)

Home About Tools & Services Data Portals Partners Contribute Data Education

## GeoPRISMS Data Portal

### Portal Links

- [Portal Home](#) »
- [Data Policy](#)
- [What's New](#)
- [Project Information](#)
- [Related Links](#)
- [MediaBank](#)
- [Tutorials](#)
- [GeoPRISMS References](#)
- [MARGINS References](#)
- [GeoMapApp](#)
- [Virtual Ocean](#)
- [Find Data](#)

### List Data by Site

Select a Site...  
Select a Site...  
Alaska  
**Cascadia**  
New Zealand  
East African Rift System  
Eastern North American margin

Continental margins are the Earth's principal loci for producing hydrocarbon and metal resources, for earthquake, landslide, volcanic and climatic hazards, and for the greatest population density. Despite the societal and economic importance of margins, many of the mechanical, fluid, chemical and biological processes that shape them are poorly understood. The [GeoPRISMS](#) Program, supported by the [National Science Foundation](#) and built upon the NSF [MARGINS](#) program, focuses upon the coordinated, interdisciplinary investigation of the continental margins through two initiatives: the [Subduction Cycles and Deformation \(SCD\)](#) and [Rift Initiation and Evolution \(RIE\)](#). In order to address the fundamental scientific questions, each initiative is associated with Primary Sites to address a wide range of field, experimental and theoretical studies spanning broad spatial and temporal scales.

This page provides access to program information and data collected through the [GeoPRISMS](#) program. Use the map client to view the locations of GeoPRISMS data. To access data, use the [List Data by Site](#) links, [search tools](#), or [GeoMapApp](#). The MARGINS data portal is available [here](#).

Members of the GeoPRISMS community may find the following links helpful:

- [GeoPRISMS Data Policy](#)
- [Data Management Plan tool](#) - Create a plan to submit with your GeoPRISMS proposal.
- [Data Compliance Reporting tool](#) - Beta version released October 2011.

# Data Management Plan Tool

[www.iedadata.org/compliance](http://www.iedadata.org/compliance)

## Data Management Plan Tool

Use this form to generate a data management plan PDF for inclusion in your NSF proposals. Please note that data management plans are limited to two pages in length. For more information about NSF's Data Management Plan requirements, see the [NSF Data Management & Sharing FAQ](#). A list of [suggested repositories](#) is provided for your convenience, but additional repositories can be identified using the "Other" option.

(\* indicates a required field)

**Proposal Information**

Lead PI\*:

Lead Institution\*:

Project Title\*:

Collaborators\*:

NSF Division submitted to\*:

NSF Program Info\*:

Proposal Submission Deadline\*:

**Data Acquisition/Processing Summary**

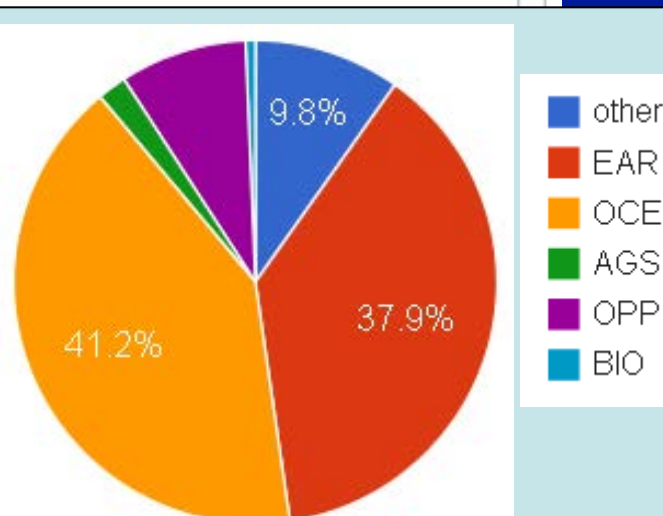
Overview\*:

Data Description\*:

Includes field work?  Yes  No

Description of existing data/samples to be used\*:

- Fill in the fields
- Print as PDF
- Attach to proposal
- Use previous plan as new template



**Since April 2012:**

- 151 DMP Plans
- 112 individuals

# Web-based search for data

**MGDS GeoPRISMS Data Search**

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Select Fields to Search For:

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All Programs  
 GeoPRISMS Funded Programs Only  
 All GeoPRISMS Funded or Related Programs

List results by:  
 Expedition/Compilation  
 Data set

Platform Name ?

AND

Data Type ?

AND

Participant ?

[Help](#)

## Search parameter examples:

- Data and Device type
- Citation
- Award number
- Location
- Investigator
- Date range

# GeoPRISMS Bibliography: Refs linked to data

[www.marine-geo.org/portals/geoprisms/references.php](http://www.marine-geo.org/portals/geoprisms/references.php)

Shillington, D.J., H.J.A. Van Avendonk, W.S. Holbrook, P.B. Kelemen and M.J. Hornbach	2004	<a href="#">Composition and structure of the central Aleutian island arc from arc-parallel wide-angle seismic data</a>	Geochem. Geophys. Geosyst.	<a href="#">View</a> <a href="#">Data</a>	<a href="#">EW9409</a>
Shillington, D.J., J.R. Hopper, and W.S. Holbrook	2008	<a href="#">Seismic signal penetration beneath post-rift sills on the Newfoundland rifted margin</a>	Geophysics	<a href="#">View</a> <a href="#">Data</a>	<a href="#">EW0007</a>
Shillington, D.J., W.S. Holbrook, H.J.A. Van Avendonk, B.E. Tucholke, J.R. Hopper, K.E. Loudon, H.C. Larsen, and G.T. Nunes	2006	<a href="#">Evidence for asymmetric nonvolcanic rifting and slow incipient oceanic accretion from seismic reflection data on the Newfoundland margin</a>	J. Geophys. Res.	<a href="#">View</a> <a href="#">Data</a>	<a href="#">EW0007</a>
Simiyu, S.M. and G.R. Keller	1997	<a href="#">An integrated analysis of lithospheric structure across the East African Plateau based on gravity anomalies and recent seismic studies</a>	Tectonophysics	<a href="#">View</a> <a href="#">Data</a>	<a href="#">EARS:KRISP</a>
Soyer, W. and M. Unsworth	2006	<a href="#">Deep electrical structure of the northern Cascadia (British Columbia, Canada) subduction zone: Implications for the distribution of fluids</a>	Geology	<a href="#">View</a> <a href="#">Data</a>	<a href="#">Cascadia:LITHOPROBE-FGP</a>

**Click to  
view paper**

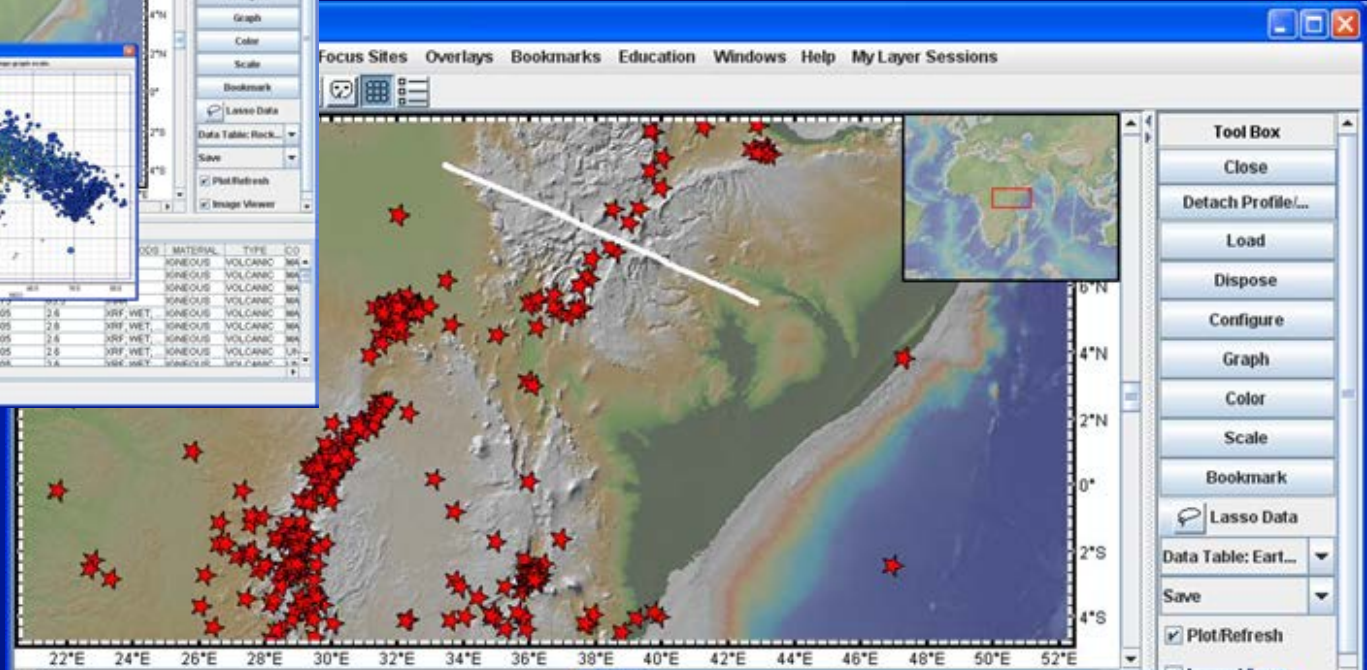
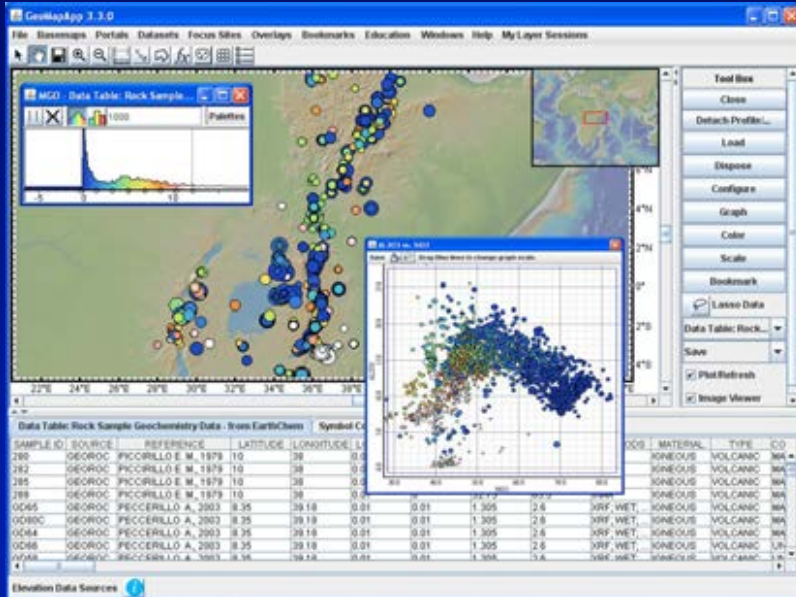
**Click to view or  
download data**

**Click for  
program info**

**> 380 papers**

# GeoMapApp [geomapapp.org](http://geomapapp.org)

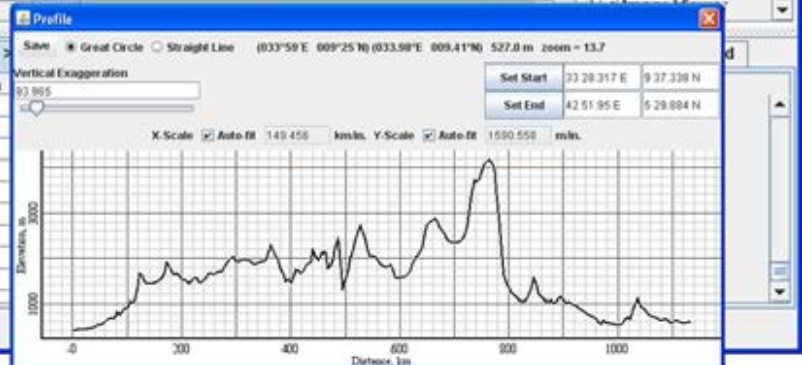
Import your own data!

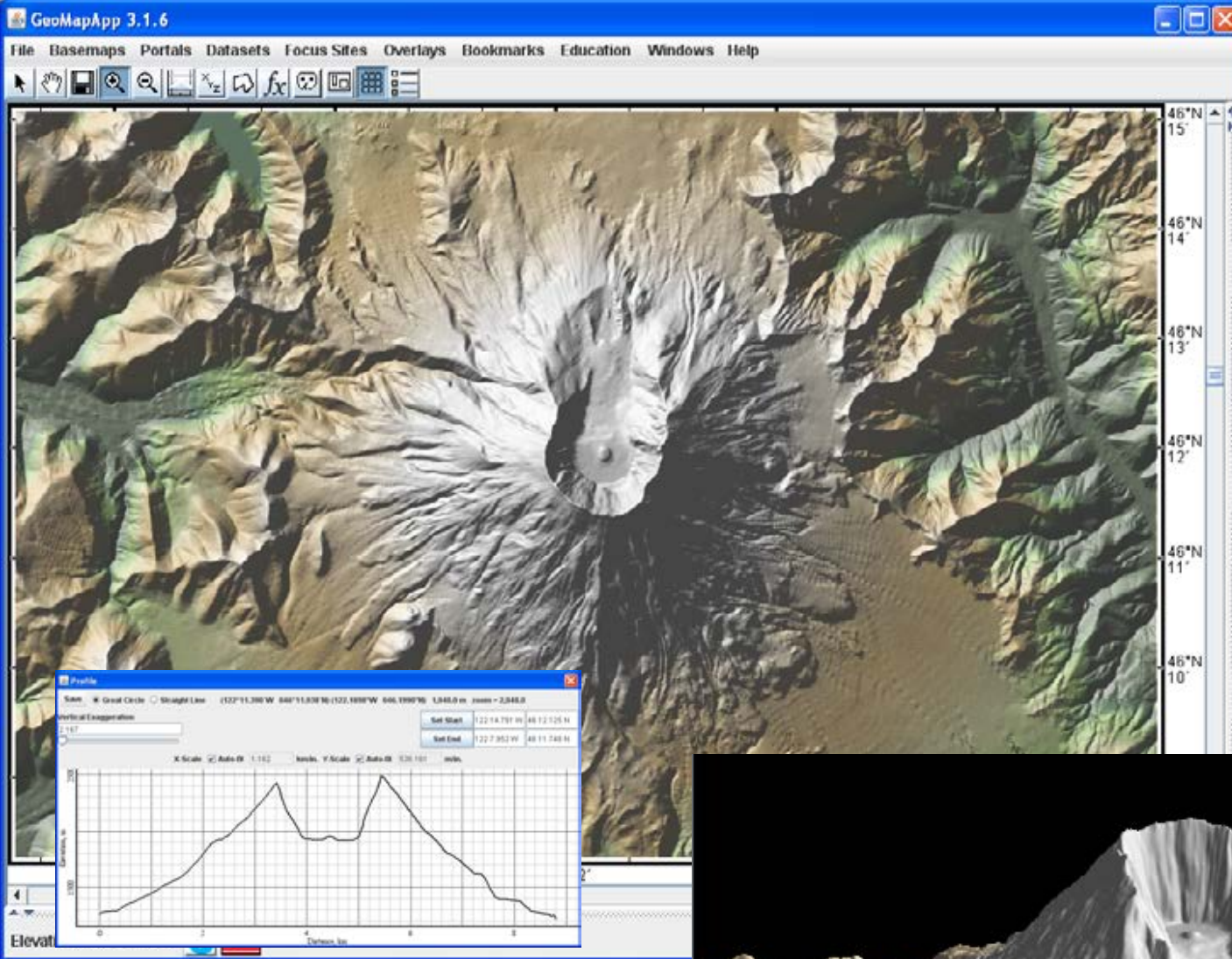


Data Table: Earthquakes Magnitude >4.5 (1973-2009) (slow and needs...)

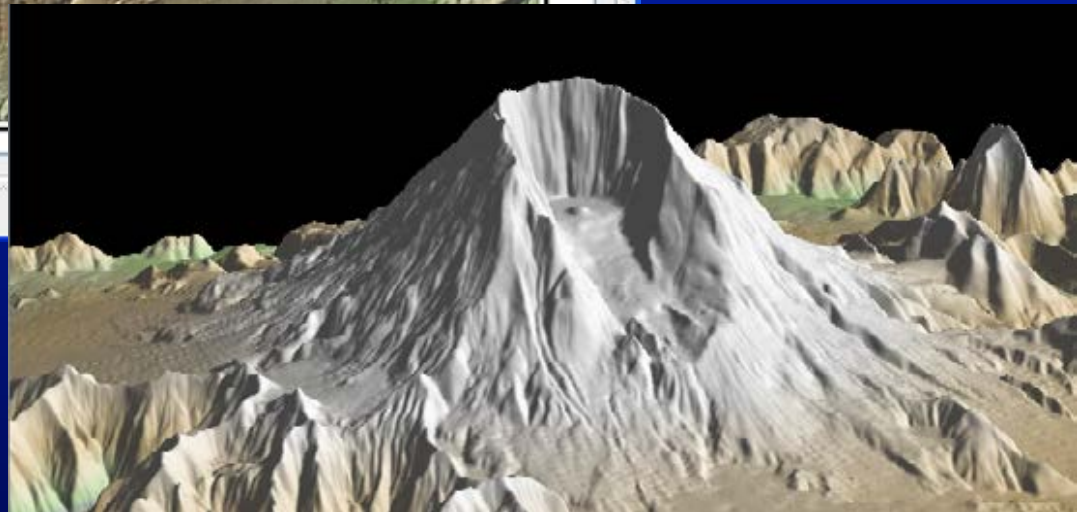
Year	Month	Day	Time(h:m)	Latitude	Longitude	Magnitude	Depth
1990	12	20	183744.19	-0.32	29.46	4.6	33
1992	12	13	50740.66	-4.11	32.25	4.6	33
1995	12	8	234049.49	-4.47	38.79	5	10
2002	12	13	132425.94	-1.85	29.04	4.7	10
2002	12	23	25038.27	-1.72	34.97	5.2	10
2004	12	13	40903.98	0.77	30.17	4.8	18
2007	12	23	51801.5	4.76	36.23	4.6	10
2007	12	23	125613.02	-4.04	39.25	4.9	10
2007	12	23	134527.39	-2.78	36.2	5.3	10
2007	12	24	02011.76	2.00	26.16	4.7	10

Elevation Data Sources





Hands-on  
workshop:  
Tonight  
Here!



Mt. St. Helens,  
10m USGS NED  
elevation model