Rumblings

...what's new in educational seismology

September 2009

Annual Survey

If you received your AS-1 on loan from IRIS, it is a requirement of the continued loan for you to check-in via our annual survey.

The survey is linked off the 'What's New' section of the SIS front page. http://www.iris.edu/hq/sis

This annual station check-in is designed to help us update our records and enable us to provide any "off-line" stations with timely assistance to get them up and running again.

If you are no longer using your instrument in the classroom, or are not interested in participating in our annual survey process, we are happy to get the instrument back to place it in another classroom.

Please contact sishelp@iris.edu if we can help get your station running again, for any questions, or if you need return instructions.

Michael Arratia
UTB1
Brownsville, TX

Michael Lampert
WSOR
Salem, OR

Nancy Iaukea
PHHI
Pahoa, HI

Cynthia McKee
GMIN
Lawrenceburg, IN

David Levasseur
CBCA
Sacramento, CA

David Schnurstein
LCER
Apple Valley, CA

Welcoming the Class of 2009

IRIS facilitated the 2009 AS-1 users workshop September 18-20th with much appreciation to our host Glenn Kroeger at Trinity University in San Antonio, Texas. We are pleased to welcome a new group to our network.

Aaron Kealey
STKS
Wichita, KS

Alan Tucker
PTKY
Paducah, KY

Alison Mote
THTX
Austin, TX

Bruce Boyce
MTAZ
Phoenix, AZ

Carol Barrett
BHCA
Ridgecrest, CA

Craig Weart
WETX
Weslaco, TX

Richard Kulibert
PXNY
Phoenix, NY

Jennifer Hunau
DVCA
San Ramon, CA

Nancy Mullenax
PTKY
Paducah, KY

Kevin Marty
IVCA
Imperial, CA

David Boyd
ECTX
Dallas, TX

Geoff Scott
FHTX
Wolfforth, TX

Rob Kohl
NHCA
Napa, CA

Stephen Bruns
JHID
Jerome, ID

Timothy Dillon
YHTX
El Paso, TX

John Persichilli
MFAZ
Many Farms, AZ

John Thurmond
PNIL
Plainfield, IL

Juan Bentancourt
JMNY
Rochester, NY

Kathleen Gans
ARCA
San Mateo, CA

Kelli Mulligan
NHCA
Napa, CA

View all the workshop resources
http://www.iris.edu/hq/resource/2009_as1_workshop

Rumblings

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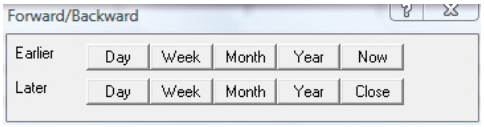
...what's new in educational seismology

September 2009

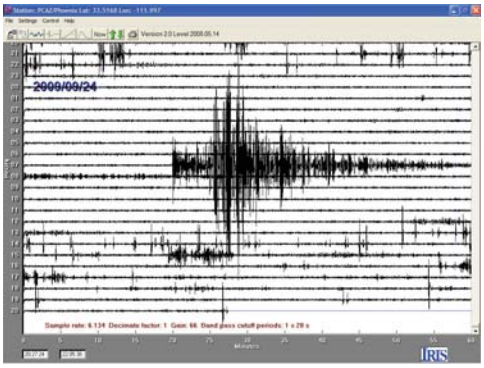
Are you recording?

On September 24, 2009 a magnitude 6.4 earthquake in Mexico was well recorded across the US network. Please check whether your station is recording!

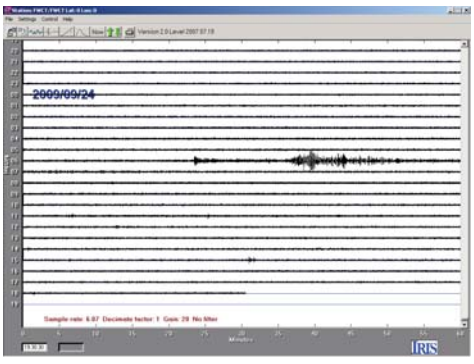
In AmaSeis, select the  'Forward/Backward in Time Button'



The resulting popup window will allow you to step earlier by 'Day' to 2009/09/24 to look for the earthquake.



Recorded at PCAZ, Phoenix, AZ



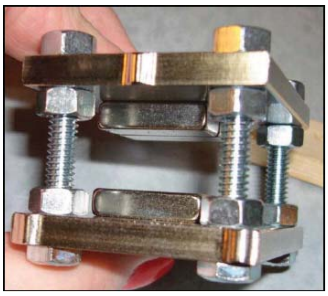
Recorded at FWCT, Fairfield, CT

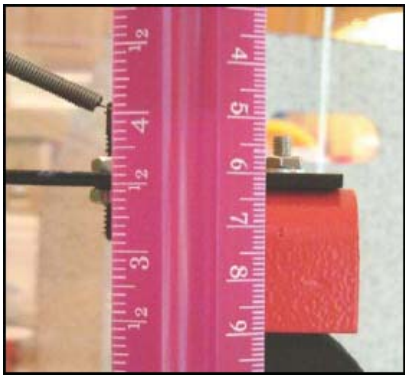
Need Help?

Contact Us! sishelp@iris.edu

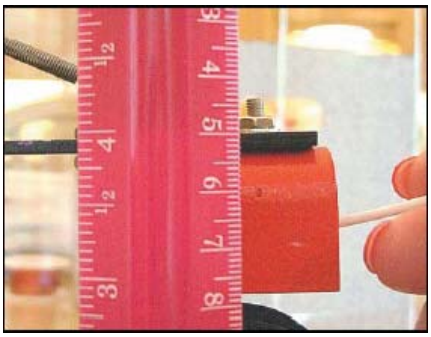
Setting a Magnetic Damper

The following procedure describes how to properly position the magnet block. (NOTE: To accomplish proper damping, it may be necessary to widen the distance between the magnets.)



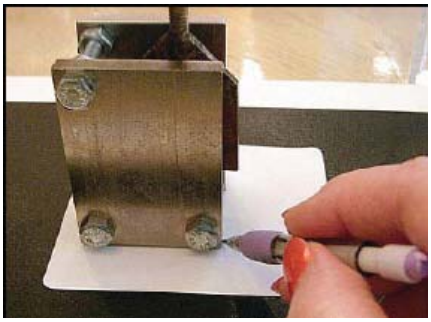


With the boom arm level, hold a ruler next to the magnetic on the end of the boom arm. Note the alignment of the top of the boom with a centimeter mark. Here the top of the boom is aligned at 6 cm.



Now take a pencil and raise the boom exactly one centimeter. In our example, the top of the boom is now aligned with the 5 cm mark. Then quickly remove the pencil and watch closely as the boom drops down.

Adjust the position of the magnet block until the boom drops down 0.5 mm PAST the resting position. In our case, it dropped down 0.5 mm past the 6 cm mark to 6.05 cm. It may take a few adjustments of the magnet block position until it is correct.



If you wish, mark the position of the magnet block on a white paper label stuck to the base plate with a pencil. If you move or bump the seismometer you can easily reset it by moving the magnet block to the location you marked!

View a video of this process at
http://www.youtube.com/watch?v=u6T_quQHi3c&feature=channel_page