PASSCAL pre-AGU Workshop

PASSCAL Workshop: Data Archiving and More!

Sunday, December 13, 2015
San Francisco - Zelos Hotel

Presentations are now online! All are PDFs and the PH5 posters are a .gif and a .pdf

Session 1 - SEED Data Archiving

Session 2 - Instrument Responses (given by Mary Templeton of the IRIS DMC)

Session 3 - PH5 tools and future plans

PH5 poster from AGU 2013

PH5 poster from 2014 IRIS Workshop

SURVEY LINK!!!
An IRIS PASSCAL workshop was offered prior to the 2015 AGU Fall meeting in San Francisco. This workshop covered the topics of SEED data archiving using Antelope, instrument responses and what they mean, and active-source data with PH5 in the field and from your desktop. It also served as an opportunity to help PIs and archivers familiarize themselves with the PASSCAL Data Group and the support they provide, and the software utilized in the archival process.

In the morning we outlined best practices for archiving PASSCAL SEED datasets in order to aid PIs and archivers in efficiently transforming raw data and metadata into an archivable format. In the afternoon, we explained the main parts of instrument responses as well as touch upon the theory and how responses are generated. We also discussed PH5 for active-source data archiving along with the in-field tools for viewing and web-based request tools for downloading SEGY and SAC format.

*From the original post*  New PASSCAL users, and those who simply wish for a refresher course, are especially encouraged to attend this one-day workshop. Morning session participants will be required to supply a Mac or Linux laptop and should have a basic working knowledge of UNIX structure and commands. Questions regarding the workshop should be directed to data_group [at] passcal [dot] nmt [dot] edu.

This free workshop is offered by staff at the IRIS PASSCAL Instrument Center along with a special guest lecture by IRIS DMC employee Mary Templeton.

Please note that space is limited for each session. In the event that our limits are exceeded, priority will be given to participants with current or upcoming IRIS PASSCAL experiments.

Workshop agenda:

MORNING SESSION (Session One): SEED Data

- 7:30-8:00am Coffee and light snacks
- 8:00am - 12:00pm Session 1 - SEED data archiving
  - Workshop introduction
  - SEED - Why SEED, what is miniseed, what is a dataless
  - Requirements (software, data formats of q330, rt130)
  - Instrumentation and your data
  - Data conversion, common problems, data quality, etc.
  - Archiving data - what needs to be archived and Antelope as a tool to generate data in the required format
  - Building an Antelope database
  - Building your own database and dataless (as time allows)
  - Questions/Comments/Discussion
- 12:00 - 1:30pm Lunch on your own!

AFTERNOON SESSIONS (Sessions Two and Three): Instrument Responses and PH5 Data

- 1:30 - 3:00pm Session Two - Instrument responses
  - When & why are they important?
  - Anatomy of an instrument response
  - How responses are represented
  - Nominal vs custom responses
  - Tools for writing SEED responses
Other tools for retrieving, reading, and verifying responses
Response removal
Questions?

• 3:00 - 3:30pm Break with light snacks
• 3:30 - 5:00pm Session Three - Active source and mixed source data: PH5 new features and field tools
  ○ Introduction to PH5 format kitchen & requirements
  ○ Archiving data - what needs to be archived
  ○ Field tools for PH5
  ○ Web form for requesting PH5 data as SEGY, SAC, and eventually miniSEED
  ○ Questions?

Related categories: Active Experiments, Antelope, Archiving Data, Best Practices, Data Delivery, Data Handling, Data Policy, Recent News, Training

Source URL: https://www.passcal.nmt.edu/content/passcal-pre-agu-workshop