

2016 USArray Introductory Data Processing Short Course

WELCOME!

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4. Computers
5. Themes
6. Thanks!



2016 USArray Introductory Data Processing Short Course

Goals:

- *Provide exposure and training in seismic data processing methods*
- *Address and share opportunities and challenges in USArray data processing,*
- *Empower and inspire you to develop more effective ways to handle data from large seismic arrays, such as USArray.*

2016 USArray Introductory Data Processing Short Course

Philosophy: Hands-on and Collaborative

Final Student Projects: Design, not Develop!



Logistics

- Folders: Agenda, project instructions, maps
- Name badge and library access card
- Lunch vouchers for each day
- Log out at end of day & sit at same iMac next day
- Water fountain opposite elevators
- Water bottles in the back of room

Logistics

- No food and open drinks in the computer Lab!!
- Breakfasts (for rest of week): Hilton Orrington
- Restrooms: In lower level (L) and on floor 2, by elevators/stairs
- Lunches: Norris Student Center
- Dinners: Mt Everest (today) and Todoroki Hibachi (Thu)

Logistics



- Short course software: both free and licensed.
- Final project presentations on Friday.
- Project time in this lab after dinner each day until 9 pm and Thursday afternoon.
- Also available: Collaboration Space, South of entrance Hall

Computer Lab Work

- work *locally* on /Users/usarray/ ... Desktop/USArray_Course
- remember iMac number and work at same one each day in order to have your previous day's work
- raw data (for down-copying only) and e-handouts are on the *shared* disk /Volumes/USArray or through shared-drive icon on Desktop
- *never* change anything on /Volumes/USArray (unless specifically asked by an instructor)

login: usarray

2016 USArray Data Processing Short Course

Your *local* workspace: `/Users/usarray/Desktop/USArray_Course`



Macintosh HD
918.23 GB free



USArray_Course
8 items



USArray
30 TB, 10.24 TB free

Our *shared* data and exchange space `/Volumes/USArray`

Short Course Daily Themes

- **Monday:** *Introduction to the Basics, USArray, and Key Tools*
- **Tuesday:** *Accessing Data, How to Approach Coding, and Structural Analyses (Python, AIMBAT, FuncLab, SplitLab)*
- **Wednesday:** *Waveform analyses and how to collect and utilize new data (SAC, instrument response, databases)*
- **Thursday:** *Broader Considerations and Project Work Day*
- **Friday:** *Discussion: Group projects discussion*

THANKS!!

Marek Babala
Bob Trautvetter

Krystin Poitra
Andy Frassetto
Rob Porritt

NORTHWESTERN UNIVERSITY **LIBRARY**

ACKNOWLEDGEMENTS

Organized and Sponsored by IRIS & USArray

Hosted by Northwestern University

August 1-5, 2016

Organizers & Instructors:

Chuck Ammon

Mike Brudzinski

Heather DeShon

Marianne Karplus

Meghan Miller

Rob Porritt

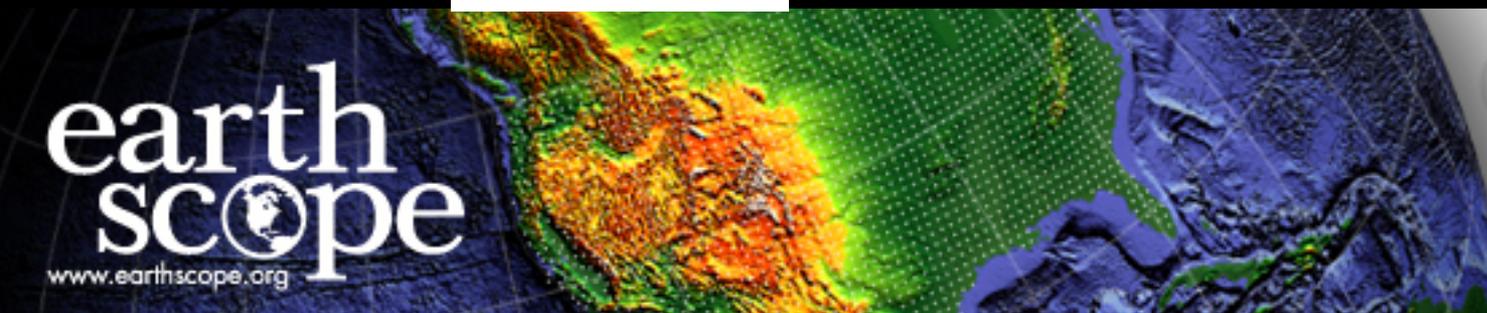
Stefany Sit

Justin Sweet

Suzan van der Lee

Erin Wirth

Danielle Sumy



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