Ocean Bottom Seismograph
Instrument Pool

Brent Evers
Incorporated Research Institutions for Seismology
OBSIP - Organization

- Managed by IRIS
  - OBSIP Management Office
- Institutional Instrument Contributors
  - Lamont-Doherty Earth Observatory
    - 60 instruments
  - Scripps Institution of Oceanography
    - 115 instruments
  - Woods Hole Oceanographic Institution
    - 75 instruments
OBSIP Instruments

- Long Period (Broadband)
  - 160 instruments
  - Used for passive recording
  - Recording time of 1 year
- Short Period
  - ~90 instruments
  - Used for active recording
  - Recording time of months
  - Often used in conjunction with seismic vessel Langseth
- Pressure Gauges
  - Differential and Absolute
OBSIP 2016 Operations

- Mid Atlantic Ridge
  - PI: Reece
  - Instruments: 35 BB
- Yellowstone Lake
  - PI: Sohn
  - Instruments: 2 BB
- Chile
  - PI: Trehu
  - Instruments: 50 SP
OBSIP Data

- Open to any user
- Available at the IRIS Data Management Center
  - [http://www.iris.edu/mda/_OBSIP](http://www.iris.edu/mda/_OBSIP)
Strategic Goals

• Provide high quality data on time
• Prepare the facility to operate at the next level
• Provide high return on NSF investment
• Transform OBSIP from three independent labs into an integrated facility
• Make OBSIP operations routine
Specific Goals

• Quality
  – Move OBSIP toward a more process and procedure driven facility

• Technology
  – Ensure instrumentation meets scientific needs
  – Develop a more uniform fleet of instruments
Specific Goals

• Service and Transparency
  – Exhibit facility operations through data
  – Ensure science community confidence in OBSIP data

• Savings
  – Ensure facility cost effectiveness
    • Task based management
    • Continual refinement of budget process
    • Evaluation of facility structure
Specific Goals

• Community Presence
  – Increase OBSIP visibility to entire geophysics community
    • 2015 OBS Workshop
    • Continued community engagement
2017 OBS Symposium

- Two Day Symposium in October
- 20 OBS Science and Technology Talks
- 40 OBS Science and Technology Posters
- ~110 Attendees
  - Academia
  - Industry
  - Government

- Hope to see you there!
OBSIP More Information

- [www.obsip.org](http://www.obsip.org)
  - OBSIP Information
    - News
    - Funding Opportunities
    - Webinars
    - How to plan experiments
  - Contacts
  - Past experiment information
  - Instrument details
  - Experiment planning info
    - Instrument request forms
    - Cruise and data evaluations
    - Instrument Use Policies and Procedures
  - Data Information
    - Virtual network info
    - Access methods

- ObsipTec – OBSIP/General OBS Mailing List
OBSIP – Thank you!

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• www.obsip.org