



Program for Array Seismic Studies of the Continental Lithosphere

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# The PASSCAL Facility

The Incorporated Research Institutions for Seismology (IRIS) Program for Array Seismic Studies of the Continental Lithosphere (PASSCAL) Instrument Center and EarthScope USArray Array Operations Facility (AOF) at New Mexico Tech support cutting-edge seismological research into Earth's



fundamental geological structure and processes. The facility provides instrumentation for National Science Foundation, Department of Energy, and otherwise funded seismological experiments around the world. PASSCAL experiment support includes seismic instrumentation, equipment maintenance, software, data archiving, training, logistics, and field installation.

initiatives has spurred a major facility expansion, the EarthScope USArray Array Operations Facility. The AOF was officially dedicated on April 6 2005 by the New Mexico Tech administration and the IRIS Board of Directors. The combined PASSCAL Instrument Center and AOF currently support a total of 32 professional New Mexico Tech and IRIS staff, as well as a contingent of student workers.

Continued expansion of IRIS activities at New Mexico Tech via the EarthScope and other

PASSCAL and USArray Flexible Array equipment is available to any research or educational institution to use for research purposes within the guidelines of established policies. These policies provide that data collected with PASSCAL and/or USArray equipment be archived at

## PASSCAL Inventory

3 Channel DAS	850
1 Channel DAS	1000
Multichannel	4 x 60 Channel 6 x 24 Channel
Broadband Sensors	450
Short Period Sensor	270
High Frequency Sensors	400

## Flexible Array Inventory

3 Channel DAS	250
1 Channel DAS	1200
Broadband Sensor	121
Short Period Sensor	100

the IRIS Data Management Center and that the data are openly available to the community. Policies, guidelines and *Instrument Request Forms* can be found on the PASSCAL web site.