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Independent Evaluation of the Metrozet STS1-E300 Electronics Begins at the USGS Albuquerque Seismological Laboratory

Torrance, CA - April 8, 2007 - Metrozet announced today that the Albuquerque Seismological Laboratory (ASL, Albuquerque, NM) has begun an independent trial with the Metrozet STS1-E300 electronics module. ASL will provide comprehensive test data for the module, recorded in a very low-noise installation. The STS1-E300 is attached to three STS-1 sensors (in a standard triaxial configuration). These three sensors are co-located and co-aligned with three standard STS-1 sensors (using factory Feedback Electronics boxes). Independent testing by ASL will extend upon the successful product validation testing already performed by the Berkeley Seismological Laboratory (BSL). ASL provides an environment with lower background noise; therefore, it is an excellent location for continued testing. As a major user of very broad band sensors (including a large number of STS-1 sensors), ASL is very well qualified to test and evaluate the new modules.

During these tests, ASL will determine incoherent self-noise levels of sensors using the STS1-E300 electronics, and compare these values to those obtained with the standard electronics package. The ASL team will also exercise the enhanced operating modes of the new electronics (allowing remote control, calibration, and diagnostics). A key goal of the evaluation is to validate a set of processes for automated calibration of sensors connected to the STS1-E300 module.

The [Albuquerque Seismological Laboratory](#) is part of the U.S. Geological Survey (USGS), Central Region Geologic Hazards Team, under the Department of the Interior. ASL operates the [Global Seismic Network](#) (GSN) and performs performance evaluations for seismic instrumentation. Testing at ASL is under the supervision of Dr. Robert Hutt.

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