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Broad band seismic instrumentation

Monday, 2 February 2015 11:15 (30 minutes)

Summary

To comprehensively monitor seismic ground motion seismic sensors with a very wide frequency response, high dynamic range and low intrinsic noise are required. To achieve meaningful measurement of the complete seismic band multiple sensors are needed. These are collocated and typically recorded simultaneously. The design principles of very low frequency and low noise broad band velocity seismic sensors and low noise accelerometers will be discussed. Results will be provided characterizing in detail the performance of such instruments.

Presenter: Dr GURALP, Cansun (Guralp Systems Ltd.)

Session Classification: Introduction