



Symphony[®] Broadband Seismic Acquisition

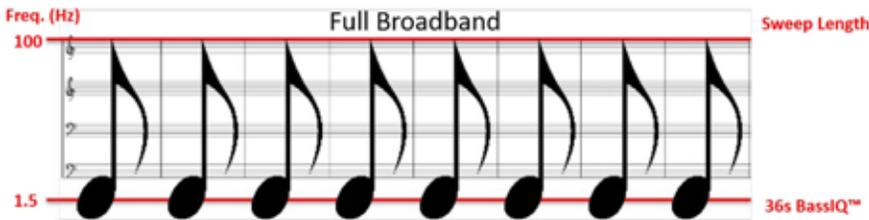
Safety. Acquisition. Experience.

Symphony® Broadband Seismic Acquisition

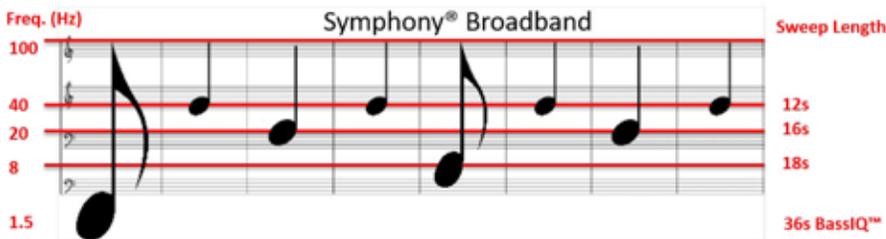
Optimally Sampled Broadband Seismic Reduces Survey Execution Time



Conventional linear sweeps are designed to prevent aliasing of high frequency dip reflections, but do not include the very low frequencies required for true broadband acquisition.



Typical full broadband sweeps generate the complete range of frequencies at each vibration point, however at the cost of a significantly longer sweep necessary to overcome the low frequency limitations of the vibrators.



Symphony Broadband uses multiple grids of sweeps across a survey area, where the high frequencies are closely spaced, and the very low frequencies coarsely spaced, resulting in acquisition time and cost reductions compared to full broadband sweeps.

RESULTS:

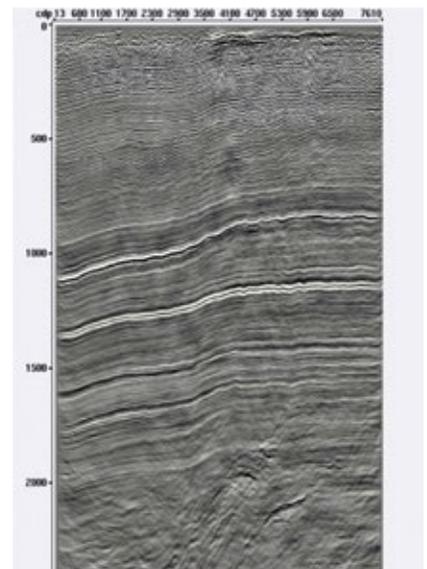
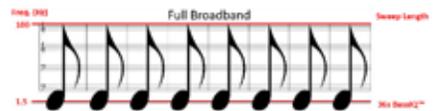
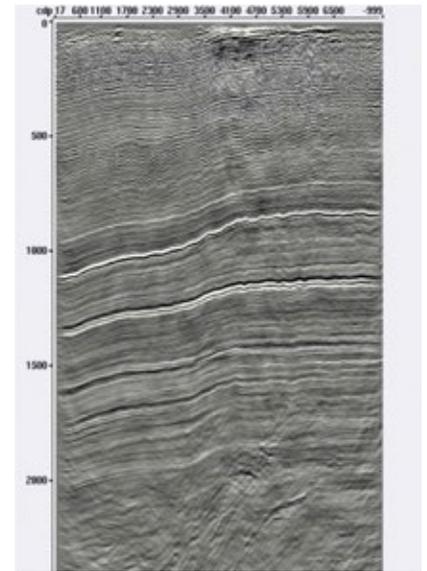


Figure 1. 2014 Proof of Concept – 2D, N. Mexico. Full broadband acquisition (L), 19hrs sweep time; Symphony® Broadband acquisition (R) 8.9 hrs sweep time.



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