Spanish Fork, UT reflection experiment

Data are from high-resolution seismic reflection experiment along State Route 147 for 5.5 km, west to east, in Spanish Fork, UT. Field files are uncorrelated SEG-2 format. Data were acquired with an IVI™ Envirovibe seismic vibrator using a linear sweep from 20 to 160 Hz. over 12 seconds, P-wave mode, with a listening time of 14 seconds, recorded on 144 channels nominally. Data were acquired with 2 ms sample interval. Geophones were 8 Hz single-component, vertical sensors at 5 m spacing. Source interval was 5 m. Station coordinates are UTM in the SEG-2 file headers, zone 12N projection (WGS84 datum) and are listed in the file “sf1\_geom.txt.”

Publications that incorporate these data:

Stephenson, W.J., Odum, J.K., Williams, R.A., McBride, J.H., and Tomlinson, I., 2012, Characterization of intrabasin faulting and deformation for earthquake hazards in southern Utah Valley, Utah, from high-resolution seismic imaging, Bulletin of the Seismological Society of America, v. 102, n. 2, p. 524–540.