

KTB 1984-03 (Near-vertical reflection profiling)

General information	Recorded by	September 1984 Prakla-Seismos AG
	for	Geological Survey of Lower Saxony, Germany
	Area	South-western Baden-Wuerttemberg
	Profile length / direction / azimuth	61.68 km / E - W / 10.20761 °
	Total data amount	2.31 GB
Recording	Recording system	Sercel SN 348 / MTA-11
	Sample interval	4 ms
	No. of channels	200
	Field filter	Lo 12.5 Hz / 12 dB Hi 62.5 Hz / 72 dB
	Noise reduction	Automatic noise-mute before correlation
	Correlation	with filtered sweep
	Recording format	SEG-B
	Sweep + listening time / recording time	20 s + 12 s = 32 s (uncorrelated) / 12 s (correlated)
Receivers	Geophone type	SM 4 (10 Hz)
	Geophones per group	24
	Receiver array	In-line array
	Group spacing	80 m
	Spread length	16 km
	No. of geophone points	786
Sources	Source type	Vibroseis (p-waves)
	No. of vibrators	5 * VVDA (each 14.1 tons, 84.5 kN peak-force)
	Sweep length / range	20 s / 12 - 48 Hz
	Pattern length	146 m
	Vertical stacking rate	12-fold
	Recording configuration	Symmetrical split-spread (8120 - 200 - VP - 200 - 8120 m)
	Source point spacing	80 m
	No. of source points	571
CDPs	Coverage (theor. / real)	100- / 74-fold
	CDP-spacing	40 m
	No. of CDPs	1543
	Final datum	300 m a.s.l.

Geometry dimensions

	Record	Location	X coord.	Y coord.	Lon.	Lat.
			Gauss-Krueger (Bessel, Pdm)		Decimal degree (WGS84)	
Source	2	1001	3481790.	5360831.	8.75311990	48.38504099
	574	1782	3421922.	5350314.	7.94687653	48.28590839
Receiver	1	1001	3481824.	5360854.	8.75357794	48.38524881
	786	1786	3421641.	5350270.	7.94309889	48.28547805
CDP	2002	1002	3481733.	5360815.	8.75235105	48.38489546
	3544	1784	3421765.	5350293.	7.94476522	48.28570019
Crossing with KTB 8401	CDP 3215	1619	3434897.	5350045.	8.12173212	48.28495665
Crossing with KTB 8402	CDP 3292	1657	3431823.	5349871.	8.08034443	48.28306851