

KTB 1985-14 (Near-vertical reflection profiling)

General information	Recorded by	November 1985
	for	Prakla-Seismos AG
	Area	Geological Survey of Lower Saxony, Germany
	Profile length / direction / azimuth	South-western Baden-Wuerttemberg
	Total data amount	65.28 km / NW - SE / 57.61603 ° 2.67 GB
Recording	Recording system	Sercel SN 368 / MTC-01
	Sample interval	4 ms
	No. of channels	200
	Field filter	Lo 12 Hz / 18 dB Hi 89 Hz / 72 dB
	Noise reduction	Automatic noise-mute before correlation
	Correlation	with filtered sweep
	Recording format	SEG-D
	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	820
Sources	Source type	Vibroseis (p-waves)
	No. of vibrators	5 * VVEA (each 19.4 tons, 125 kN peak-force)
	Sweep length / range	20 s / 12 - 48 Hz
	Pattern length	48 m
	Vertical stacking rate	5-fold
	Recording configuration	Symmetrical split-spread [20 m in-line offset] (8140 - 220 - VP - 180 - 8100 m) [60 m in-line offset] (8100 - 180 - VP - 220 - 8140 m)
	Source point spacing	40 m
	No. of source points	1077
CDPs	Coverage (theor. / real)	100- / 66-fold
	CDP-spacing	20 m
	No. of CDPs	3265
	Final datum	800 m a.s.l.

Geometry dimensions

	Record	Location	X coord.	Y coord.	Lon.	Lat.
			Gauss-Krueger (Bessel, Pdm)		Decimal degree (WGS84)	
Source	1	1001	3417266.	5338547.	7.88644612	48.17951409
	1078	1818	3457809.	5287660.	8.43658086	47.72586222
Receiver	1	1001	3417143.	5338488.	7.88480395	48.17896757
	820	1820	3458146.	5287913.	8.44104846	47.72815954
CDP	2003	1002	3417278.	5338446.	7.88662711	48.17860750
	5267	1818	3458015.	5287905.	8.43930304	47.72807908
Crossing with KTB 8401	CDP 2924	1232	3427789.	5323338.	8.03050144	48.04403596