

KTB 1985-06 (Near-vertical reflection profiling)

General information	Recorded by	July 1985 Prakla-Seismos AG
	for	Geological Survey of Lower Saxony, Germany
	Area	North-eastern Bavaria
	Profile length / direction / azimuth	42.12 km / SSE - NNW / -62.00716 °
	Total data amount	1.59 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	531
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	143 m
	Vertical stacking rate	10-fold
	Recording configuration	Asymmetrical split-spread (4120 - 200 - VP - 200 - 12120 m)
	Source point spacing	80 m
No. of source points	393	
CDPs	Coverage (theor. / real)	100- / 75-fold
	CDP-spacing	40 m
	No. of CDPs	1054
	Final datum	500 m a.s.l.

Geometry dimensions

	Record	Location	X coord.	Y coord.	Lon.	Lat.
			Gauss-Krueger (Bessel, Pdm)		Decimal degree (WGS84)	
Source	1	1001	4532917.	5516365.	12.45559167	49.78296476
	393	1530	4513995.	5553802.	12.19420746	50.12027760
Receiver	1	1001	4532951.	5516328.	12.45606063	49.78263025
	531	1531	4513630.	5553581.	12.18909594	50.11829921
CDP	2003	1002	4532938.	5516426.	12.45588840	49.78351203
	3056	1529	4513810.	5553603.	12.19161350	50.11849286
Crossing with KTB 8501	CDP 2775	1389	4519901.	5544180.	12.27628993	50.03360574
Crossing with KTB 8502	CDP 2431	1216	4526791.	5532286.	12.37162959	49.92640594
Crossing with KTB 8503	CDP 2150	1076	4531400.	5522071.	12.43498829	49.83434549