

KTB 1985-04 (Near-vertical reflection profiling)

General information	Recorded by for Area	October 1985 Prakla-Seismos AG Geological Survey of Lower Saxony, Germany North-eastern Bavaria
	Profile length / direction / azimuth	50.40 km / NNW – SSE / -51.17515 °
	Total data amount	1.93 GB
	Recording system	Sercel SN 368 / MTC-01
	Sample interval	4 ms
Recording	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)
	Geophone type	SM 4 (10 Hz)
Receivers	Geophones per group	24
	Receiver array	In-line array
	Group spacing	80 m
	Spread length	16 km
	No. of geophone points	635
	Source type	Vibroseis (p-waves)
Sources	No. of vibrators	5 * VVEA (each 19.4 tons, 125 kN peak-force)
	Sweep length / range	20 s / 12 – 48 Hz
	Pattern length	49 m
	Vertical stacking rate	10-fold
	Recording configuration	Asymmetrical split-spread (12120 – 200 – VP – 200 – 4120 m)
	Source point spacing	80 m
	No. of source points	476
	Coverage (theor. / real)	100- / 75-fold
CDPs	CDP-spacing	40 m
	No. of CDPs	1261
	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	4476193.	5531053.	11.6670477	49.91544186
	476	1634	4507668.	5492363.	12.10453371	49.56801422
Receiver	1	1001	4476123.	5531037.	11.66607407	49.91529522
	635	1635	4507773.	5492387.	12.10598573	49.56822868
CDP	2003	1002	4476157.	5530928.	11.66655420	49.91431662
	3263	1633	4507678.	5492445.	12.10467354	49.56875137
Crossing with KTB 8501	CDP 2367	1185	4487447.	5521807.	11.82404200	49.83265790
Crossing with KTB 8502	CDP 2677	1340	4495562.	5512462.	11.93694546	49.74875490
Crossing with KTB 8503	CDP 3117	1560	4504688.	5497462.	12.06339719	49.61388984