

## KTB 1985-03 (Near-vertical reflection profiling)

General information	Recorded by for Area	July 1985 Prakla-Seismos AG Geological Survey of Lower Saxony, Germany North-eastern Bavaria
	Profile length / direction / azimuth	55.96 km / WSW – ENE / 44.08032 °
	Total data amount	2.28 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	707
	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	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	563
	Coverage (theor. / real)	100- / 80-fold
CDPs	CDP-spacing	40 m
	No. of CDPs	1400
	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	1005	4498755.	5493080.	11.98131496	49.57450723
	563	1704	4537897.	5531828.	12.52624746	49.92168888
Receiver	1	1005	4498637.	5493166.	11.97968316	49.57528020
	707	1711	4538426.	5532123.	12.53364289	49.92430728
CDP	2011	1006	4498781.	5493138.	11.98167425	49.57502877
	3410	1707	4538168.	5531986.	12.53003662	49.92309212

Crossing with DEK'85-4N	CDP 2609	1306	4517985.	5507353.	12.24784319	49.70257081
Crossing with KTB 8504	CDP 2194	1097	4504682.	5497465.	12.06331420	49.61391686
Crossing with KTB 8505	CDP 2829	1417	4524410.	5513347.	12.33728217	49.75623583
Crossing with KTB 8506	CDP 3109	1557	4531403.	5522071.	12.43502999	49.83434533