

## KTB 1985-05 (Near-vertical reflection profiling)

General information	Recorded by for Area	October - November 1985 Prakla-Seismos AG Geological Survey of Lower Saxony, Germany North-eastern Bavaria
	Profile length / direction / azimuth	54.68 km / SSE - NNW / -54.91059 °
	Total data amount	2.02 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	685
	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	499
CDPs	Coverage (theor. / real)	100- / 73-fold
	CDP-spacing	40 m
	No. of CDPs	1365
	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	1003	4527671.	5509777.	12.38228395	49.72399837
	499	1684	4497171.	5554541.	11.95895618	50.12707783
Receiver	1	1001	4527741.	5509571.	12.38324012	49.72214308
	685	1685	4496743.	5554410.	11.95297186	50.12589787
CDP	2003	1002	4527706.	5509674.	12.38276204	49.72307073
	3367	1683	4496793.	5554307.	11.95367196	50.12497215
Crossing with KTB 8501	CDP 2811	1404	4508416.	5535423.	12.11579772	49.95514826
Crossing with KTB 8502	CDP 2492	1245	4516102.	5525262.	12.22247857	49.86363863
Crossing with KTB 8503	CDP 2128	1063	4524422.	5513352.	12.33744901	49.75628029
Within ISO89-3D	From CDP 2277	1137	4520822.	5518088.	12.28774225	49.79899517
	to CDP 2723	1361	4510636.	5532699.	12.14665832	49.93062294