

KTB 1985-02 (Near-vertical reflection profiling)

General information	Recorded by for Area	June - July 1985 Prakla-Seismos AG Geological Survey of Lower Saxony, Germany North-eastern Bavaria
	Profile length / direction / azimuth	50.44 km / ENE - WSW / 33.22404 °
	Total data amount	2.08 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	632
	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	513
CDPs	Coverage (theor. / real)	100- / 81-fold
	CDP-spacing	40 m
	No. of CDPs	1262
	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	4534306.	5538259.	12.47681510	49.97972132
	513	1631	4492035.	5511304.	11.88802999	11.88802999
Receiver	1	1001	4534178.	5538478.	12.47505000	49.98169750
	632	1632	4492003.	5511274.	11.88758668	49.73803666
CDP	2003	1002	4534148.	5538356.	12.47462093	49.98060241
	3264	1631	4492014.	5511287.	11.88773901	49.73815369
Crossing with DEK'85-4N	CDP 2797	1397	4508235.	5520195.	12.11295379	49.81824180
Crossing with KTB 8504	CDP 3170	1584	4495576.	5512479.	11.93713952	49.74890785
Crossing with KTB 8505	CDP 2563	1280	4516091.	5525266.	12.22232574	49.86367489
Crossing with KTB 8506	CDP 2242	1120	4526796.	5532268.	12.37169798	49.92624389
Within ISO89-3D	From CDP 2552	1274	4516475.	5525482.	12.22767572	49.86560646
	to CDP 3030	1514	4500628.	5514862.	12.00724294	49.77034942