

KTB 1984-01(Near-vertical reflection profiling)

General information	Recorded by for Area	October - November 1984 Prakla-Seismos AG Geological Survey of Lower Saxony, Germany South-western Baden-Wuerttemberg
	Profile length / direction / azimuth	162.76 km / SSW - NNE / 72.79153 °
	Total data amount	2.49 GB
	Recording system	Sercel SN 348 / MTA-11
	Sample interval	4 ms
Recording	No. of channels	200
	Field filter	Lo 12.5 Hz / 12 dB Hi 62.5 Hz / 72 dB
	Noise reduction	Automatic noise-mute before correlation
	Correlation	with filtered sweep
	Recording format	SEG-B
	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	2101
Sources	Source type	Vibroseis (p-waves)
	No. of vibrators	5 * VVDA (each 14.1 tons, 84.5 kN peak-force)
	Sweep length / range	20 s / 12 - 60 Hz / 12 - 48 Hz [from VP 1327]
	Pattern length	146 m
	Vertical stacking rate	12-fold
	Recording configuration	Symmetrical split-spread (8120 - 200 - VP - 200 - 8120 m)
	Source point spacing	80 m
CDPs	No. of source points	1556
	Coverage (theor. / real)	100- / 76-fold
	CDP-spacing	40 m
	No. of CDPs	4070
	Final datum	300 m a.s.l.

Geometry dimensions

	Record	Location	X coord.	Y coord.	Lon.	Lat.
			Gauss-Krueger (Bessel, Pdm)		Decimal degree (WGS84)	
Source	1	1001	3425995.	5269386.	8.01564759	47.55866470
	663 (out of 1099)	3100	3460717.	5423096.	8.46271016	48.94397599
Receiver	1	1001	3426031.	5269368.	8.01612889	47.55850693
	2101	3101	3460724.	5423136.	8.46280186	48.94433611
CDP	2003	1002	3425966.	5269437.	8.01525373	47.55912004
	6072	3099	3460706.	5423043.	8.46256512	48.94349874
Crossing with KTB 8402	CDP 4024	2050	3433603.	5347056.	8.10476738	48.25794504
Crossing with KTB 8403	CDP 4105	2091	3434896.	5350026.	8.12172158	48.28478570
Crossing with KTB 8514	CDP 3411	1733	3427781.	5323339.	8.03039399	48.04404405