KTB 1984-02 (Near-vertical reflection profiling)

General information	**Recorded**	September – October 1984
	by	Prakla-Seismos AG
	for	Geological Survey of Lower Saxony, Germany
	Area	South-western Baden-Wuerttemberg
	Profile length / direction / azimuth	42.48 km / NW – SE / -54.73607 °
	Total data amount	1.53 GB
Recording	**Recording system**	Sercel SN 348 / MTA-11
	Sample interval	4 ms
	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)
Receivers	**Geophone type**	SM 4 (10 Hz)
	Geophones per group	24
	Receiver array	In-line array
	Group spacing	80 m
	Spread length	16 km
	No. of geophone points	558
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 – 48 Hz / 15 – 75 Hz [from VP 1388]
	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
	No. of source points	377
CDPs	**Coverage (theor. / real)**	100- / 71-fold
	CDP-spacing	40 m
	No. of CDPs	1063
	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	1002	3425756.	5365887.	7.99578444	48.42639633
	378	1557	3449891.	5332691.	8.32580434	48.13026303
Receiver	1	1001	3425730.	5366005.	7.99541229	48.42745426
	558	1558	3450053.	5332830.	8.32796422	48.13152575
CDP	2004	1003	3425763.	5365788.	7.99589654	48.42550699
	3066	1557	3449965.	5332765.	8.32678970	48.13093431

Crossing with KTB 8401	CDP 2514	1266	3433591.	5347061.	8.10460500	48.25798874
Crossing with KTB 8403	CDP 2431	1223	3431814.	5349865.	8.08022415	48.28301359