

DEKORP 1986-2Q (Near-vertical reflection profiling)

General information	Recorded by for Area	October - November 1986 Prakla-Seismos AG Geological Survey of Lower Saxony, Germany North Rhine-Westphalia
	Profile length / direction / azimuth	60.14 km / W - E / 33.67037 °
	Total data amount	4.56 GB
	Recording	Recording system Sample interval No. of channels Field filter Noise reduction Correlation Recording format Sweep + listening time / recording time
		Sercel SN 368 / MTC-01 4 ms 200 Lo 12 Hz / 18 dB Hi 89 Hz / 72 dB Automatic noise-mute before correlation with filtered sweep SEG-D 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	767
Sources	Source type	Vibroseis (p-waves)
	No. of vibrators	5 * VVEA (each 19.4 tons, 125 kN peak-force)
	Sweep length / range	20 s / 12 - 48 Hz
	Pattern length	48 m
	Vertical stacking rate	5-fold
	Recording configuration	Asymmetrical split-spread (4120 - 200 - VP - 200 - 12120 m)
	Source point spacing	40 m
	No. of source points	1126
CDPs	Coverage (theor. / real)	100- / 75-fold
	CDP-spacing	20 m
	No. of CDPs	3008
	Final datum	400 m a.s.l.

Geometry dimensions

	Record	Location	X coord.	Y coord.	Lon.	Lat.
			Gauss-Krueger (Bessel, Pdm)		Decimal degree (WGS84)	
Source	1	1004	3396446.	5733683.	7.50016012	51.72781327
	1126	1740	3446642.	5764103.	8.22186509	52.00821228
Receiver	1	1001	3396358.	5733209.	7.49902794	51.72353828
	767	1767	3448176.	5765645.	8.24396997	52.02221487
CDP	2004	1002	3396460.	5733375.	7.50045422	51.72504857
	5011	1753	3447392.	5764866.	8.23266944	52.01514059
Crossing with DEK'86-2N	CDP 2375	1095	3403046.	5736793.	7.59478662	51.75693644