

## DEKORP 1986-2N (Near-vertical reflection profiling)

<b>General information</b>	Recorded by for Area	August - October 1986 Prakla-Seismos AG Geological Survey of Lower Saxony, Germany Western Hesse, North Rhine-Westphalia	
	Profile length / direction / azimuth	219.02 km / S - N / -66.22280 °	
	Total data amount	26.38 GB	
	<b>Recording</b>	Recording system	Sercel SN 368 / MTC-01
		Sample interval	4 ms
No. of channels		400 / 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)		
<b>Receivers</b>	Geophone type	SM 4 (10 Hz)	
	Geophones per group	24	
	Receiver array	In-line array	
	Group spacing	40 m / 80 m	
	Spread length	16 km	
	No. of geophone points	3800 / 876	
<b>Sources</b>	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 [400] (4060 - 100 - VP - 100 - 12060 m) [200] (4120 - 200 - VP - 200 - 12120 m)	
	Source point spacing	40 m	
	No. of source points	2707 / 1102	
<b>CDPs</b>	Coverage (theor. / real)	[400] 200- / 137-fold [200] 100- / 64-fold	
	CDP-spacing	20 m	
	No. of CDPs	10952	
	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	400	1	1001	3471476.	5572854.	8.59868866	50.29101426
		5415	4800	3412052.	5709605.	7.73201028	51.51411911
	200	6417	5801	3412071.	5709685.	7.73226397	51.51484094
		7518	6605	3385051.	5767536.	7.32403779	52.02972015
Receiver	400	1	1001	3471486.	5572837.	8.59883027	50.29086192
		3800	4800	3411976.	5709589.	7.73091974	51.51396350
	200	1	5800	3411976.	5709587.	7.73092024	51.51394553
		876	6675	3381905.	5772123.	7.27663560	52.07026562
CDP	2004	1002	3471461.	5572880.	8.59847621	50.29124727	
	12955	6640	3383483.	5769820.	7.30042357	52.04991110	
Crossing with DEK'86-2Q	CDP 11033	6161	3403047.	5736803.	7.59479831	51.75702647	
Crossing with DEK'84-2S	CDP 2389	1193	3468563.	5580003.	8.55721673	50.35513339	