

## DEKORP 1987-1B (Near-vertical reflection profiling)

General information	Recorded by	August 1987
	for	Prakla-Seismos AG
	Area	Geological Survey of Lower Saxony, Germany
	Profile length / direction / azimuth	Rhineland-Palatinate
	Total data amount	50.22 km / N - S / -74.21440 ° 8.49 GB
Recording	Recording system	Sercel SN 368 / MTC-01
	Sample interval	4 ms
	No. of channels	400
	Field filter	Lo 12.5 Hz / 18 dB Hi 62.5 Hz / 72 dB
	Noise reduction	Automatic noise-mute before correlation
	Correlation	with filtered sweep
	Recording format	SEG-D
Receivers	Sweep + listening time / recording time	20 s + 16 s = 36 s (uncorrelated) / 16 s (correlated)
	Geophone type	SM 4 (10 Hz)
	Geophones per group	24
	Receiver array	In-line array
	Group spacing	40 m
	Spread length	16 km
Sources	No. of geophone points	1250
	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 (12080 - 120 - VP - 120 - 4080 m)
	Source point spacing	40 m
CDPs	No. of source points	1049
	Coverage (theor. / real)	200- / 167-fold
	CDP-spacing	20 m
	No. of CDPs	2512
	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	2562457.	5587694.	6.87825926	50.42179043
	1049	2250	2575731.	5539200.	7.05534995	49.98433708
Receiver	1	1001	2562949.	5587819.	6.88520248	50.42286152
	1250	2250	2575728.	5539240.	7.05531600	49.98469702
CDP	2004	1003	2562727.	5587698.	6.88205873	50.42179762
	4515	2249	2575739.	5539285.	7.05547821	49.98510013
Crossing with DEK'87-1A	CDP 2346	1174	2564310.	5581053.	6.90319451	50.36189649
Crossing with DEK'88-1C	CDP 4306	2146	2574608.	5543308.	7.04049156	50.02140517