

DEKORP 1985-4Q (Near-vertical reflection profiling)

General information	Recorded by for Area	August 1985 Prakla-Seismos AG Geological Survey of Lower Saxony, Germany North-eastern Bavaria
	Profile length / direction / azimuth	36.24 km / SW - NE / 55.46647 °
	Total data amount	1.28 GB
	Recording system	Sercel SN 368 / MTC-01
	Sample interval	4 ms
Recording	No. of channels	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)
	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	459
	Source type	Vibroseis (p-waves)
Sources	No. of vibrators	5 * VVEA (each 19.4 tons, 125 kN peak-force)
	Sweep length / range	20 s / 12 - 48 Hz
	Pattern length	49 m
	Vertical stacking rate	10-fold
	Recording configuration	Asymmetrical split-spread (4120 - 200 - VP - 200 - 12120 m)
	Source point spacing	80 m
	No. of source points	316
	Coverage (theor. / real)	100- / 70-fold
CDPs	CDP-spacing	40 m
	No. of CDPs	907
	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	4549217.	5437132.	12.67209862	49.06949149
	316	1455	4569887.	5466724.	12.96008384	49.33354119
Receiver	1	1001	4549224.	5437072.	12.67218712	49.06895145
	459	1459	4570005.	5466985.	12.96175288	49.33587413
CDP	2003	1002	4549227.	5437206.	12.67224445	49.07015604
	2909	1457	4569945.	5466853.	12.96090432	49.33469430
Crossing with DEK'85-4N	CDP 2723	1363	4565785.	5460699.	12.90266258	49.27982930