

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

General information	Recorded by for Area	August - Oktober 1985 Prakla-Seismos AG Geological Survey of Lower Saxony, Germany North-eastern Bavaria
	Profile length / direction / azimuth	186.96 km / SSE - NNW / -51.43521 °
	Total data amount	6.66 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	2336
	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 (12120 - 200 - VP - 200 - 4120 m)
	Source point spacing	80 m
	No. of source points	1646
	Coverage (theor. / real)	100- / 71-fold
CDPs	CDP-spacing	40 m
	No. of CDPs	4650
	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	4571706.	5457240.	12.98340827	49.24806719
	1646	3331	4454621.	5598294.	11.35866139	50.51865909
Receiver	1	1001	4571736.	5457214.	12.98381560	49.24782994
	2336	3336	4454062.	5598452.	11.35076048	50.52003572
CDP	2003	1002	4571659.	5457277.	12.98276943	49.24840533
	6652	3333	4454349.	5598358.	11.35481858	50.51921322
Crossing with DEK'90-3B/MVE (East)	CDP 5547	2782	4478108.	5561363.	11.69197488	50.18800935
Crossing with KTB 8501	CDP 4573	2293	4501244.	5530162.	12.01584080	49.90790621
Crossing with KTB 8502	CDP 4267	2139	4508214.	5520206.	12.11266221	49.81834098
Crossing with KTB 8503	CDP 3862	1935	4517974.	5507348.	12.24769047	49.70252618
Crossing with DEK'85-4Q	CDP 2173	1087	4565796.	5460702.	12.90281423	49.27985508
Within ISO89-3D	From CDP 4035	2023	4513805.	5512835.	12.19009139	49.75196831
	to CDP 4482	2247	4503085.	5527054.	12.04144550	49.87995692