

DEKORP 1990-3A (Near-vertical reflection profiling)

General information	Recorded by for Area	August 1990 Prakla-Seismos AG Geological Survey of Lower Saxony, Germany Lower Saxony, Hesse
	Profile length / direction / azimuth	128.025 km / N - S / 87.66357 °
	Total data amount	8.30 GB
	Recording system	Sercel SN 368 / MTC 01
	Sample interval	4 ms
Recording	No. of channels	320
	Field filter	Lo 12 Hz / 18 dB Hi 88.8 Hz / 70 dB
	Noise reduction	Automatic noise-mute before correlation
	Correlation	with filtered sweep
	Recording format	SEG-D
	Sweep + listening time / recording time	20 s + 14 s = 34 s (uncorrelated) / 14 s (correlated)
	Geophone type	SM 4 (10 Hz)
Receivers	Geophones per group	24
	Receiver array	In-line array
	Group spacing	50 m
	Spread length	16 km
	No. of geophone points	2633
	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	50 m
	Vertical stacking rate	6-fold
	Recording configuration	Symmetrical split-spread (8075 - 125 - VP - 125 - 8075 m)
	Source point spacing	100 m
	No. of source points	1281
	Coverage (theor. / real)	80-fold / 71-fold
CDPs	CDP-spacing	25 m
	No. of CDPs	5122
	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	1059	3539163.	5743483.	9.56696335	51.82408648
	1281	3629	3531649.	5618455.	9.44693530	50.70078382
Receiver	1	998	3539814.	5746422.	9.57674266	51.85045378
	2633	3630	3531375.	5618451.	9.44305670	50.70076269
CDP	1	1029	3539489.	5744953.	9.57185887	51.83727471
	5122	3629	3531493.	5618507.	9.44473167	50.70125971
Crossing with DEK'90-3B/MVE (West)	CDP 4829	3477	3534331.	5625166.	9.48552069	50.76095700
Crossing with Q11	CDP 602	1336	3539771.	5729946.	9.57423396	51.70238294
Crossing with Q12	CDP 1269	1674	3539706.	5713354.	9.57141515	51.55326726
Crossing with Q13	CDP 2142	2113	3540875.	5691627.	9.58576099	51.35790766
Crossing with Q14	CDP 2950	2525	3540917.	5671497.	9.58406337	51.17697591
Crossing with Q15	CDP 3594	2851	3538303.	5655637.	9.54500404	51.03460192
Crossing with Q16	CDP 4395	3256	3536949.	5635677.	9.52368005	50.85527791