

DEKORP 1987-1A (Near-vertical reflection profiling)

General information	Recorded by for Area	August 1987 Prakla-Seismos AG Geological Survey of Lower Saxony, Germany East Belgium, North Rhine-Westphalia, Rhineland-Palatinate
	Profile length / direction / azimuth	93.32 km / NW - SE / -29.20005 °
	Total data amount	15.31 GB
	Recording system	Sercel SN 368 / MTC-01
	Sample interval	4 ms
Recording	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
	Sweep + listening time / recording time	20 s + 16 s = 36 s (uncorrelated) / 16 s (correlated)
	Geophone type	SM 4 (10 Hz)
Receivers	Geophones per group	24
	Receiver array	In-line array
	Group spacing	40 m
	Spread length	16 km
	No. of geophone points	2333
	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	48 m
	Vertical stacking rate	5-fold
	Recording configuration	Asymmetrical split-spread (12080 - 120 - VP - 120 - 4080 m)
	Source point spacing	40 m
	No. of source points	1891
	Coverage (theor. / real)	200- / 162-fold
CDPs	CDP-spacing	20 m
	No. of CDPs	4667
	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	2491796.	5625798.	5.88311157	50.76758870
	1915	3331	2569886.	5580042.	6.98135868	50.35217372
Receiver	1	1001	2491318.	5625585.	5.87634106	50.76566704
	2333	3333	2570002.	5580076.	6.98299464	50.35246556
CDP	2004	1003	2491579.	5625636.	5.88003935	50.76612934
	6670	3332	2569915.	5580061.	6.98176962	50.35234106
Crossing with DEK'87-1B	CDP 6385	3190	2564306.	5581062.	6.90313984	50.36197783