

## DEKORP 1990-3B/MVE (East) (Near-vertical reflection profiling)

<b>General information</b>	Recorded by for Area	August – October 1990 Prakla-Seismos AG / VEB Geophysik Geological Survey of Lower Saxony, Germany Saxony
	Profile length / direction / azimuth	249.975 km / SW – NE / 30.04821 °
	Total data amount	16.59 GB
	Recording system	Sercel SN 368 / MTC 01
	Sample interval	4 ms
<b>Recording</b>	No. of channels	320
	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 + 14 s = 34 s (uncorrelated) / 14 s (correlated)
	Geophone type	SM 4 / DF-7V (10 Hz)
<b>Receivers</b>	Geophones per group	24
	Receiver array	In-line array
	Group spacing	46 m
	Spread length	14.72 km
	No. of geophone points	5277
	Source type	Vibroseis (p-waves)
<b>Sources</b>	No. of vibrators	5*VVCA (each 14.7 tons, 84.5 kN peak-force)
	Sweep length / range	20 s / 12 – 48 Hz
	Pattern length	58 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	2561
	Coverage (theor. / real)	80-fold / 71-fold
<b>CDPs</b>	CDP-spacing	25 m
	No. of CDPs	10351
	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	2051	5102	4458648.	5555827.	11.42009911	50.13720164
	4618	10217	4674379.	5683084.	14.49655040	51.25596413
Receiver	1	4941	4450689.	5554548.	11.30894429	50.12509533
	5277	10217	4674371.	5683056.	14.49642229	51.25571514
CDP	10311	5200	4463347.	5556125.	11.48579569	50.14018986
	20310	10216	4674338.	5683034.	14.49593932	51.25552766
Crossing with DEK'85-4N	CDP 10947	5527	4478105.	5561382.	11.69193178	50.18818005
Crossing with GRANU 9501	CDP 12823	6471	4520658.	5580441.	12.28881997	50.35956749
Crossing with Q31	CDP 11172	5639	4483168.	5563819.	11.76271772	50.21025481
Crossing with Q32	CDP 12021	6070	4501720.	5574032.	12.02265780	50.30230885
Crossing with Q1	CDP 13298	6709	4531665.	5584876.	12.44386880	50.39894850
Crossing with Q1A	CDP 13750	6935	4542479.	5588117.	12.59632143	50.42740236
Crossing with Q2	CDP 14500	7310	4559643.	5595551.	12.83902950	50.49273502
Crossing with Q3	CDP 15876	7999	4589930.	5611727.	13.26965850	50.63425418
Crossing with Q4	CDP 17672	8897	4626233.	5638110.	13.79159992	50.86458101
Crossing with Q5	CDP 19125	9624	4653658.	5661833.	14.19089510	51.07104098