

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

General information	Recorded by for Area	August 1990 Prakla-Seismos AG / VEB Geophysik Geological Survey of Lower Saxony, Germany Hesse, Bavaria
	Profile length / direction / azimuth	207.65 km / NW - SE / -34.84043 °
	Total data amount	14.25 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	4555
	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	2200
	Coverage (theor. / real)	80-fold / 71-fold
CDPs	CDP-spacing	25 m
	No. of CDPs	8307
	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	4290400.	5655195.	9.01277287	50.99373386
	2200	5397	4472285.	5558515.	11.61064783	50.16216157
Receiver	1	1001	4290392.	5655219.	9.01264523	50.99394639
	4555	5555	4479367.	5561994.	11.70956947	50.19372737
CDP	2004	1002	4290435.	5655177.	9.01328109	50.99358502
	10310	5199	4463322.	5556124.	11.48544608	50.14017933
Crossing with DEK'90-3A	CDP 3695	1854	4322690.	5628073.	9.48536861	50.76101764
Crossing with Q21	CDP 2353	1175	4296666.	5649114.	9.10530471	50.94138846
Crossing with Q22	CDP 3307	1655	4314786.	5633648.	9.37065505	50.80861238
Crossing with Q23	CDP 4593	2307	4340460.	5614422.	9.74290996	50.64355511
Crossing with Q24	CDP 5377	2704	4356334.	5603009.	9.97159204	50.54515078
Crossing with Q25	CDP 5966	3004	4367763.	5593754.	10.13602016	50.46469118
Crossing with Q26	CDP 7043	3547	4388391.	5576517.	10.43154589	50.31407983
Crossing with Q27	CDP 8104	4087	4409991.	5561566.	10.73827019	50.18339566
Crossing with Q28	CDP 8784	4432	4425454.	5554821.	10.95605130	50.12491521
Crossing with Q29	CDP 9500	4790	4443264.	5553814.	11.20523070	50.11783339
Crossing with Q30	CDP 10310	5199	4463322.	5556124.	11.48544608	50.14017933