

DEKORP 1995-01 (GRANU) (Near-vertical reflection profiling)

General information	Recorded by	November 1995 Schlumberger Geco-Prakla, Hanover
	for	Helmholtz Centre Potsdam German Research Centre for Geosciences – GFZ, Potsdam
	Area	Saxony, Thuringia
	Profile length / direction / azimuth	47.49 km / NW – SE / -41.28762 °
	Total data amount	7.45 GB
Recording	Recording system	Sercel 368 + LXU
	Sample interval	2 ms
	No. of channels	240
	Field filter	Lo out Hi 178 Hz / 72 dB
	Noise reduction	Off
	Correlation	before vertical stacking
	Recording format	SEG-D
Sweep + listening time / recording time	30 + 11 = 41 s (uncorrelated) / 11 s (correlated)	
Receivers	Geophone type	SM 4 (10 Hz)
	Geophones per group	12
	Receiver array	In-line array
	Group spacing	30 m
	Spread length	7.2 km
	No. of geophone points	1688
Sources	Source type	Vibroseis (p-waves)
	No. of vibrators	3 (2) * VVEA (each 19.4 tons, 125 kN peak-force)
	Sweep length / range	30 s / 12 – 100 Hz, 300 ms taper
	Pattern length	36 m (3 Vib) / 22 m (2 Vib)
	Vertical stacking rate	4 – 5-fold
	Recording configuration	Symmetrical split-spread (3645 – 75 – VP – 75 – 3645 m)
	Source point spacing	60 m
No. of source points	767	
CDPs	Coverage (theor. / real)	60-fold / 58-fold
	CDP-spacing	15 m
	No. of CDPs	3166
	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	330	4524413.	5575637.	12.34127762	50.31623737
	768	1896	4492148.	5606576.	11.88761810	50.59482008
Receiver	1	209	4526275.	5572543.	12.36720523	50.28834313
	1688	1896	4492300.	5606631.	11.88976361	50.59531654
CDP	1	270	4525344.	5574090.	12.35424521	50.30229098
	3166	1895	4492240.	5606572.	11.88891748	50.59478536
Crossing with DEK'90-3B/MVE (East)	CDP 529	401	4520656.	5580444.	12.28879203	50.35959453