

DEKORP 1995-02 (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	57.56 km / SE – NW / -49.71668 °
	Total data amount	8.42 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	35 m
	Spread length	8.4 km
	No. of geophone points	1760
Sources	Source type	Vibroseis (p-waves)
	No. of vibrators	3*VVEA (each 19.4 tons, 125 kN peak-force)
	Sweep length / range	30 s / 12 – 100 Hz, 300 ms taper
	Pattern length	36 m
	Vertical stacking rate	4 – 5-fold
	Recording configuration	Symmetrical split-spread (4252.5 – 87.5 – VP – 87.5 – 4252.5 m)
	Source point spacing	70 m
No. of source points	867	
CDPs	Coverage (theor. / real)	60-fold / 63-fold
	CDP-spacing	17.5 m
	No. of CDPs	3289
	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	89	4531075.	5639269.	12.44012133	50.88792875
	867	1845	4567108.	5603193.	12.94558821	50.56061813
Receiver	1	89	4531056.	5639270.	12.43985141	50.88793875
	1760	1848	4567118.	5603107.	12.94571384	50.55984399
CDP	179	90	4531100.	5639262.	12.44047600	50.88786448
	3467	1846	4567108.	5603156.	12.94558155	50.56028556