

DEKORP 1996-01 (BASIN) (Near-vertical reflection profiling)

General information	Recorded by	October – November 1996 Schlumberger Geco-Prakla, Hanover
	for	Helmholtz Centre Potsdam German Research Centre for Geosciences – GFZ, Potsdam
	Area	Mecklenburg-Vorpommern, Brandenburg, Saxony-Anhalt
	Profile length / direction / azimuth	337.95 km / NE – SW / 56.37783 °
	Total data amount	15.72 GB
Recording	Recording system	Olympus FRS V1.0, I/O System two
	Sample interval	4 ms
	No. of channels	360
	Field filter	Lo 3 Hz / 18 dB Hi 178 Hz / 72 dB
	Noise reduction	Off
	Correlation	after vertical stacking
	Recording format	SEG-D (demultiplexed)
Sweep + listening time / recording time	25 + 16 = 41 s (uncorrelated) / 16 s (correlated)	
Receivers	Geophone type	GS 30CT (10 Hz) OYO GEOSPACE
	Geophones per group	12
	Receiver array	In-line array
	Group spacing	60 m
	Spread length	21.6 km
	No. of geophone points	6196
Sources	Source type	Vibroseis (p-waves)
	No. of vibrators	6*VVEA (each 19.4 tons, 125 kN peak-force)
	Sweep length / range	25 s / 10 – 50 Hz (linear), 300 ms taper
	Pattern length	72 m
	Vertical stacking rate	8 – 10-fold
	Recording configuration	Asymmetrical split-spread, no gap [GP 1 - 3421] (14400 – VP – 7200 m) [GP 3447 - 6496] (7200 – VP – 14400 m)
	Source point spacing	180 m
No. of source points	2169	
CDPs	Coverage (theor. / real)	60-fold / 67-fold
	CDP-spacing	30 m
	No. of CDPs	11266
	Final datum	Sea level

Geometry dimensions

	Record	Location	X coord.	Y coord.	Lon.	Lat.
			Gauss-Krueger (Bessel, Pdm)		Decimal degree (WGS84)	
Source	1	302	4584571.67	6011369.06	13.29517588	54.22567597
	2169	6494	4411673.32	5728219.89	10.72141549	51.68134031
Receiver	1	301	4584564.88	6011427.59	13.29508827	54.22620279
	6196	6496	4411590.30	5728141.68	10.72023526	51.68062448
CDP	1	290	4584575.50	6011405.00	13.29524470	54.22599815
	11266	6480	4411649.50	5728203.00	10.72107545	51.68118480
Crossing with DEK'96-02	CDP 5144	3062	4506480.00	5880746.00	12.09511326	53.05897364