

PQ2-009.2 (DEKORP/BASIN 1996) (Near-vertical reflection profiling)

General information	Recorded by	April 1996 Research vessel M.S. "Polar Queen", Norway
	for	Helmholtz Centre Potsdam German Research Centre for Geosciences – GFZ, Potsdam Federal Institute for Geosciences and Natural Resources – BGR, Hanover
	Area	Northeast German Basin / Southern Baltic Sea
	Profile length / direction / azimuth	47.85 km / NE – SW / 12.87350 °
	Total data amount	1.37 GB
Recording	Recording system	SYNTRAK 480 MSRS
	Sample interval	4 ms
	No. of channels	84
	Field filter	LC 3 Hz, Antialias, no NTCH
	Noise reduction	Off
	Recording format	SEG-D (demultiplexed)
	Recording time	26.6 s
Receivers	Streamer type	SYNTRON RDS 50 (120 channels, 3000 m)
	Hydrophones per group	16 × 2, linear
	Group length / spacing	25 m / 25 m
	Spread length	2100 m
	Streamer depth	8 m
Sources	Source type	Air gun array (pressure waves)
	Pressure	130 bar
	No. of air guns	20 air guns on two tuned linear strings with two groups each (total volume of 52 l)
	Array length / depth	13 m / 7 m
	Vertical stacking rate	1-fold
	Recording configuration	Streamer [-2148.5 – -73.5 m] → Airguns [-7.5 – 7.5 m] → Ship [44 – 124 m]
	Source point interval	30 s (= 75 m at 4.9 kn)
No. of source points	607	
CDPs	Coverage (theor. / real)	14-fold
	CDP-spacing	12.5 m
	No. of CDPs	3829
	Final datum	Sea level

Geometry dimensions

	Record	X coord.	Y coord.	Lon.	Lat.
		Gauss-Krueger (Bessel, Pdm)		Decimal degree (WGS84)	
Source	1633	4510625.00	6017975.00	12.16160623	54.29188065
	2239	4465075.00	6007197.00	11.46335482	54.19396824
CDP	1914	4511768.50	6018239.00	12.17917742	54.29422748
	5742	4465207.50	6007228.00	11.46538116	54.19425575