

PQ2-004 (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	46.5875 km / NE – SW / 65.52135 °
	Total data amount	0.99 GB
Recording	Recording system	SYNTRAK 480 MSRS
	Sample interval	4 ms
	No. of channels	60
	Field filter	LC 3 Hz, Antialias, no NTCH
	Noise reduction	Off
	Recording format	SEG-D (demultiplexed)
	Recording time	26.8 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	1500 m
	Streamer depth	8 m
Sources	Source type	Air gun array (pressure waves)
	Pressure	140 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 [-1548.5 – -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	616	
CDPs	Coverage (theor. / real)	10-fold
	CDP-spacing	12.5 m
	No. of CDPs	3728
	Final datum	Sea level

Geometry dimensions

	Record	X coord.	Y coord.	Lon.	Lat.
		Gauss-Krueger (Bessel, Pdm)		Decimal degree (WGS84)	
Source	1	4628357.00	6075510.00	13.99403747	54.79246106
	616	4609391.00	6033743.00	13.68376147	54.42190213
CDP	67	4628718.00	6076250.50	13.99997466	54.79901666
	3794	4609429.00	6033821.00	13.68437537	54.42259439
Crossing with PQ2-008	CDP 727	4624006.	6069364.	13.92381324	54.73837439