

PQ2-009.1 (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	122.05 km / NE – SW / 62.62286 °
	Total data amount	3.57 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	26.8 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	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	1585	
CDPs	Coverage (theor. / real)	14-fold
	CDP-spacing	12.5 m
	No. of CDPs	9765
	Final datum	Sea level

Geometry dimensions

	Record	X coord.	Y coord.	Lon.	Lat.
		Gauss-Krueger (Bessel, Pdm)		Decimal degree (WGS84)	
Source	1	4569401.00	6127472.00	13.09029283	55.27074521
	1585	4513644.00	6020055.00	12.20806377	54.31049571
CDP	91	4569911.00	6128473.50	13.09856340	55.27966751
	9855	4513683.00	6020132.00	12.20866648	54.31118643
Crossing with PQ2-008	CDP 1321	4562878.00	6114795.00	12.98486763	55.15776443