

PQ2-002 (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	138.375 km / NE – SW / 54.98524 °
	Total data amount	2.95 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
	Recording configuration	Streamer [-1546 – -71 m] → Airguns [-7.5 – 7.5 m] → Ship [46.5 – 126.5 m]
	Source point interval	30 s (= 75 m at 4.9 kn)
	No. of source points	1833
CDPs	Coverage (theor. / real)	10-fold
	CDP-spacing	12.5 m
	No. of CDPs	11071
	Final datum	Sea level

Geometry dimensions

	Record	X coord.	Y coord.	Lon.	Lat.
		Gauss-Krueger (Bessel, Pdm)		Decimal degree (WGS84)	
Source	1	4741490.00	6149258.00	15.81219910	55.41186724
	1833	4662516.00	6036537.00	14.50303503	54.43280098
CDP	66	4741963.00	6149933.00	15.82023519	55.41768394
	11136	4662565.50	6036608.00	14.50383598	54.43342241
Crossing with PQ2-003	CDP 10745	4665372.00	6040616.00	14.54927749	54.46848932
Crossing with PQ2-006	CDP 596	4738170.00	6144508.00	15.75585009	55.37091475