

PQ2-005 (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	152.412 km / SW – NE / 56.63617 °
	Total data amount	4.54 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	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 [-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)
CDPs	No. of source points	2018
	Coverage (theor. / real)	14-fold
	CDP-spacing	12.5 m
	Final datum	Sea level

Geometry dimensions

	Record	X coord.	Y coord.	Lon.	Lat.
		Gauss-Krueger (Bessel, Pdm)		Decimal degree (WGS84)	
Source	1	4624177.00	6069429.00	13.92649432	54.73891581
	2018	4706743.00	6196293.00	15.29983743	55.84949954
CDP	1089	4623548.50	6068497.00	13.91634660	54.73070277
	13282	4706696.00	6196220.50	15.29903316	55.84886956
Crossing with PQ2-003	CDP 1218	4624462.00	6069818.00	13.93108290	54.74233792
Crossing with PQ2-006	CDP 11466	4695906.00	6176162.00	15.11264833	55.67347340
Crossing with PQ2-008	CDP 1155	4624014.00	6069174.00	13.92385648	54.73666657