

KTB 1985-01 (Near-vertical reflection profiling)

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|---------------------|---|---|
| General information | Recorded by for Area | June 1985 Prakla-Seismos AG Geological Survey of Lower Saxony, Germany North-eastern Bavaria |
| | Profile length / direction / azimuth | 47.28 km / WSW – ENE / 34.22111° |
| | Total data amount | 1.93 GB |
| | Recording system | Sercel SN 368 / MTC-01 |
| | Sample interval | 4 ms |
| Recording | No. of channels | 200 |
| | Field filter | Lo 12 Hz / 18 dB Hi 89 Hz / 72 dB |
| | Noise reduction | Automatic noise-mute before correlation |
| | Correlation | with filtered sweep |
| | Recording format | SEG-D |
| | Sweep + listening time / recording time | 20 s + 12 s = 32 s (uncorrelated) / 12 s (correlated) |
| | Geophone type | SM 4 (10 Hz) |
| Receivers | Geophones per group | 24 |
| | Receiver array | In-line array |
| | Group spacing | 80 m |
| | Spread length | 16 km |
| | No. of geophone points | 593 |
| | Source type | Vibroseis (p-waves) |
| Sources | No. of vibrators | 5 * VVEA (each 19.4 tons, 125 kN peak-force) |
| | Sweep length / range | 20 s / 12 – 48 Hz |
| | Pattern length | 143 m |
| | Vertical stacking rate | 10-fold |
| | Recording configuration | Asymmetrical split-spread (4120 – 200 – VP – 200 – 12120 m) |
| | Source point spacing | 80 m |
| | No. of source points | 476 |
| | Coverage (theor. / real) | 100- / 80-fold |
| CDPs | CDP-spacing | 40 m |
| | No. of CDPs | 1183 |
| | Final datum | 500 m a.s.l. |

Geometry dimensions

| | Record | Location | X coord. | Y coord. | Lon. | Lat. |
|-------------------------|----------|----------|-----------------------------|----------|------------------------|-------------|
| | | | Gauss-Krueger (Bessel, Pdm) | | Decimal degree (WGS84) | |
| Source | 1 | 1001 | 4483995. | 5519196. | 11.77616883 | 49.80910079 |
| | 476 | 1592 | 4522586. | 5546243. | 12.31388657 | 50.05205715 |
| Receiver | 1 | 1001 | 4483861. | 5519292. | 11.77430320 | 49.80996030 |
| | 593 | 1593 | 4522448. | 5546455. | 12.31197210 | 50.05396828 |
| CDP | 2003 | 1002 | 4484002. | 5519281. | 11.77626257 | 49.80986519 |
| | 3185 | 1592 | 4522508. | 5546341. | 12.31280322 | 50.05294114 |
| Crossing with DEK'85-4N | CDP 2514 | 1259 | 4501260. | 5530157. | 12.01606353 | 49.90786122 |
| Crossing with KTB 8504 | CDP 2110 | 1056 | 4487453. | 5521810. | 11.82412530 | 49.83268500 |
| Crossing with KTB 8505 | CDP 2736 | 1370 | 4508417. | 5535407. | 12.11581131 | 49.95500439 |
| Crossing with KTB 8506 | CDP 3100 | 1550 | 4519904. | 5544184. | 12.27633201 | 50.03364160 |