***Supplement 2***

**Part 2. Isotopic analyses results.**

*Khotylev A.O., Mayorov A.A., Khydoley A.K., Ershova V.B., Kalmykov G.A., Khubanov V.B., Chervyakovskaya M.V.* “Granitoid massifs of the Krasnoleninsky arch (Western Siberia): Composition, structure, age and conditions of formation,” *Geotectonics.* no.2 (Supplement 2) (2021). *Geotectonics* © *Pleiades Publishing, Ltd.*

**Table 2.** Results of isotopic studies of zircons from well “B”, sample В-1.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sample** | **Isotopic ratios** | **Rho** | **Age, Ma** | **D, %** |
| **Th** | **207Pb** | **1σ** | **207Pb** | **1σ** | **206Pb** | **1σ** | **207Pb** | **1σ** | **207Pb** | **1σ** | **206Pb** | **1σ** |
| **U** | **206Pb** | **(abs)** | **235U** | **(abs)** | **238U** | **(abs)** | **206Pb** |  | **235U** |  | **238U** |  |
| 1 (center) | 0.63 | 0.05282 | 0.00180 | 0.30015 | 0.01095 | 0.04122 | 0.00054 | 0.36 | 321 | 73 | 267 | 9 | 260 | 3 | 3 |
| 1 (edge) | 0.35 | 0.05557 | 0.00220 | 0.31188 | 0.01347 | 0.04070 | 0.00050 | 0.42 | 435 | 83 | 276 | 10 | 257 | 3 | 7 |
| 3 (center) | 0.66 | 0.05349 | 0.00264 | 0.31025 | 0.01680 | 0.04206 | 0.00046 | 0.52 | 350 | 105 | 274 | 13 | 266 | 3 | 3 |
| 3 (edge) | 0.58 | 0.06778 | 0.00272 | 0.38773 | 0.01741 | 0.04149 | 0.00043 | 0.55 | 862 | 78 | 333 | 13 | 262 | 3 | 27 |
| 4 (center) | 0.29 | 0.05794 | 0.00233 | 0.33147 | 0.01417 | 0.04150 | 0.00061 | 0.34 | 528 | 83 | 291 | 11 | 262 | 4 | 11 |
| 4 (edge) | 0.58 | 0.06670 | 0.00133 | 0.38164 | 0.00866 | 0.04150 | 0.00045 | 0.48 | 828 | 39 | 328 | 6 | 262 | 3 | 25 |
| 7 (center) | 0.60 | 0.05247 | 0.00201 | 0.30143 | 0.01221 | 0.04166 | 0.00054 | 0.32 | 306 | 83 | 268 | 10 | 263 | 3 | 2 |
| 7 (edge) | 0.34 | 0.05813 | 0.00194 | 0.33260 | 0.01189 | 0.04150 | 0.00054 | 0.36 | 535 | 69 | 292 | 9 | 262 | 3 | 11 |
| 9 (center) | 0.42 | 0.05553 | 0.00158 | 0.43013 | 0.01318 | 0.05618 | 0.00064 | 0.37 | 434 | 60 | 363 | 9 | 352 | 4 | 3 |
| 9 (edge) | 0.61 | 0.05545 | 0.00144 | 0.30756 | 0.00875 | 0.04023 | 0.00046 | 0.40 | 430 | 55 | 272 | 7 | 254 | 3 | 7 |
| 10 (edge) | 0.40 | 0.05279 | 0.00160 | 0.30178 | 0.00983 | 0.04147 | 0.00050 | 0.37 | 320 | 65 | 268 | 8 | 262 | 3 | 2 |
| 15 (center) | 0.49 | 0.06406 | 0.00158 | 0.36610 | 0.00993 | 0.04145 | 0.00047 | 0.42 | 744 | 49 | 317 | 7 | 262 | 3 | 21 |
| 15 (edge) | 0.52 | 0.05661 | 0.00168 | 0.31569 | 0.01011 | 0.04045 | 0.00049 | 0.38 | 476 | 62 | 279 | 8 | 256 | 3 | 9 |
| 17 (center) | 0.59 | 0.05684 | 0.00135 | 0.32317 | 0.00847 | 0.04123 | 0.00046 | 0.43 | 485 | 50 | 284 | 6 | 260 | 3 | 9 |
| 17 (edge) | 0.95 | 0.06406 | 0.00151 | 0.31234 | 0.00817 | 0.03536 | 0.00040 | 0.43 | 744 | 47 | 276 | 6 | 224 | 2 | 23 |
| 18 (center) | 0.53 | 0.05776 | 0.00186 | 0.32905 | 0.01143 | 0.04131 | 0.00053 | 0.37 | 521 | 67 | 289 | 9 | 261 | 3 | 11 |
| 18 (edge) | 0.58 | 0.05230 | 0.00157 | 0.29019 | 0.00939 | 0.04023 | 0.00049 | 0.38 | 299 | 66 | 259 | 7 | 254 | 3 | 2 |

Tabl.2 (continued)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sample** | **Isotopic ratios** | **Rho** | **Age, Ma** | **D, %** |
| **Th** | **207Pb** | **1σ** | **207Pb** | **1σ** | **206Pb** | **1σ** | **207Pb** | **1σ** | **207Pb** | **1σ** | **206Pb** | **1σ** |
| **U** | **206Pb** | **(abs)** | **235U** | **(abs)** | **238U** | **(abs)** | **206Pb** |  | **235U** |  | **238U** |  |
| 23 (center) | 0.85 | 0.05934 | 0.00580 | 0.34234 | 0.03461 | 0.04183 | 0.00109 | 0.26 | 580 | 210 | 299 | 26 | 264 | 7 | 13 |
| 23 (edge) | 0.30 | 0.05686 | 0.00176 | 0.32701 | 0.01092 | 0.04171 | 0.00053 | 0.38 | 486 | 66 | 287 | 8 | 263 | 3 | 9 |
| 25 (center) | 0.62 | 0.05867 | 0.00164 | 0.33937 | 0.01035 | 0.04195 | 0.00051 | 0.40 | 555 | 59 | 297 | 8 | 265 | 3 | 12 |
| 25 (edge) | 0.86 | 0.06468 | 0.00155 | 0.33460 | 0.00889 | 0.03751 | 0.00043 | 0.43 | 764 | 49 | 293 | 7 | 237 | 3 | 24 |
| 26 (center) | 0.39 | 0.05489 | 0.00186 | 0.31112 | 0.01129 | 0.04110 | 0.00054 | 0.36 | 408 | 73 | 275 | 9 | 260 | 3 | 6 |
| 26 (edge) | 0.52 | 0.06719 | 0.00155 | 0.36461 | 0.00941 | 0.03935 | 0.00045 | 0.44 | 844 | 46 | 316 | 7 | 249 | 3 | 27 |
| 34 (center) | 0.47 | 0.06266 | 0.00353 | 0.35708 | 0.02214 | 0.04133 | 0.00056 | 0.51 | 697 | 117 | 310 | 17 | 261 | 3 | 19 |
| 34 (edge) | 0.39 | 0.06491 | 0.00181 | 0.37050 | 0.01129 | 0.04139 | 0.00051 | 0.40 | 771 | 57 | 320 | 8 | 261 | 3 | 23 |

Note. D ‒ discordance, %. The values of isotopic ratios and ages of individual grains are given with an error of 1Ϭ.