***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 7.** Results of isotopic studies of zircons from well “K”.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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 | 0.20 | 0.05608 | 0.00330 | 0.46860 | 0.02749 | 0.06059 | 0.00130 | 0.37 | 455 | 126 | 390 | 19 | 379 | 8 | 3 |
| 2 | 0.40 | 0.08171 | 0.00505 | 0.68317 | 0.04167 | 0.06063 | 0.00142 | 0.38 | 1239 | 117 | 529 | 25 | 379 | 9 | 39 |
| 3 | 0.60 | 0.05971 | 0.00580 | 0.47352 | 0.04514 | 0.05750 | 0.00165 | 0.30 | 593 | 197 | 394 | 31 | 360 | 10 | 9 |
| 4 | 0.17 | 0.05864 | 0.00396 | 0.47858 | 0.03208 | 0.05917 | 0.00137 | 0.35 | 554 | 141 | 397 | 22 | 371 | 8 | 7 |
| 5 | 0.21 | 0.07938 | 0.00528 | 0.67996 | 0.04455 | 0.06210 | 0.00151 | 0.37 | 1182 | 126 | 527 | 27 | 388 | 9 | 36 |
| 6 | 0.30 | 0.05506 | 0.00319 | 0.45639 | 0.02644 | 0.06007 | 0.00130 | 0.37 | 415 | 124 | 382 | 18 | 376 | 8 | 1 |
| 7 | 0.93 | 0.08071 | 0.00721 | 0.45213 | 0.03894 | 0.04060 | 0.00131 | 0.37 | 1215 | 166 | 379 | 27 | 257 | 8 | 48 |
| 8 | 0.59 | 0.15378 | 0.00555 | 9.11487 | 0.33967 | 0.42952 | 0.00849 | 0.53 | 2388 | 60 | 2350 | 34 | 2304 | 38 | 2 |
| 9 | 0.61 | 0.06204 | 0.00354 | 0.51229 | 0.02914 | 0.05984 | 0.00131 | 0.38 | 676 | 117 | 420 | 20 | 375 | 8 | 12 |
| 10 | 0.28 | 0.06054 | 0.00511 | 0.52391 | 0.04358 | 0.06271 | 0.00166 | 0.32 | 623 | 172 | 428 | 29 | 392 | 10 | 9 |
| 11 | 0.18 | 0.05924 | 0.00431 | 0.48149 | 0.03460 | 0.05888 | 0.00144 | 0.34 | 576 | 151 | 399 | 24 | 369 | 9 | 8 |
| 12 | 0.25 | 0.05811 | 0.00475 | 0.50255 | 0.04053 | 0.06266 | 0.00164 | 0.32 | 533 | 170 | 413 | 27 | 392 | 10 | 6 |
| 13 | 0.35 | 0.05625 | 0.00282 | 0.47014 | 0.02371 | 0.06055 | 0.00127 | 0.42 | 462 | 108 | 391 | 16 | 379 | 8 | 3 |
| 14 | 0.25 | 0.05721 | 0.00508 | 0.47171 | 0.04121 | 0.05974 | 0.00163 | 0.31 | 499 | 185 | 392 | 28 | 374 | 10 | 5 |
| 15 | 0.18 | 0.05289 | 0.00434 | 0.44041 | 0.03569 | 0.06032 | 0.00157 | 0.32 | 324 | 176 | 371 | 25 | 378 | 10 | -2 |
| 16 | 1.15 | 0.08122 | 0.00478 | 0.57584 | 0.03366 | 0.05136 | 0.00121 | 0.40 | 1227 | 111 | 462 | 22 | 323 | 7 | 43 |
| 17 | 0.17 | 0.06095 | 0.00446 | 0.51188 | 0.03699 | 0.06085 | 0.00154 | 0.35 | 637 | 150 | 420 | 25 | 381 | 9 | 10 |
| 18 | 0.34 | 0.05456 | 0.00391 | 0.45581 | 0.03240 | 0.06053 | 0.00149 | 0.35 | 394 | 153 | 381 | 23 | 379 | 9 | 1 |
| 19 | 1.35 | 0.15906 | 0.00706 | 8.42804 | 0.38012 | 0.38389 | 0.00826 | 0.48 | 2446 | 73 | 2278 | 41 | 2094 | 38 | 9 |

Tabl.7 (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** |  |
| 20 | 0.51 | 0.05179 | 0.00288 | 0.44762 | 0.02496 | 0.06262 | 0.00139 | 0.40 | 276 | 122 | 376 | 18 | 392 | 8 | -4 |
| 21 | 0.30 | 0.05438 | 0.00353 | 0.45903 | 0.02966 | 0.06116 | 0.00146 | 0.37 | 387 | 139 | 384 | 21 | 383 | 9 | 0 |
| 22 | 0.35 | 0.05465 | 0.00330 | 0.45029 | 0.02723 | 0.05971 | 0.00139 | 0.38 | 398 | 130 | 378 | 19 | 374 | 8 | 1 |
| 23 | 0.19 | 0.05182 | 0.00414 | 0.43182 | 0.03416 | 0.06039 | 0.00159 | 0.33 | 277 | 173 | 365 | 24 | 378 | 10 | -4 |
| 24 | 0.20 | 0.05672 | 0.00458 | 0.48600 | 0.03878 | 0.06210 | 0.00168 | 0.34 | 480 | 170 | 402 | 27 | 388 | 10 | 4 |
| 25 | 0.36 | 0.05329 | 0.00329 | 0.44261 | 0.02736 | 0.06019 | 0.00143 | 0.38 | 341 | 133 | 372 | 19 | 377 | 9 | -1 |
| 26 | 0.18 | 0.05819 | 0.00515 | 0.50908 | 0.04443 | 0.06342 | 0.00184 | 0.33 | 536 | 183 | 418 | 30 | 396 | 11 | 5 |
| 27 | 0.47 | 0.05530 | 0.00611 | 0.44646 | 0.04844 | 0.05853 | 0.00194 | 0.31 | 424 | 229 | 375 | 34 | 367 | 12 | 2 |
| 28 | 0.23 | 0.05372 | 0.00438 | 0.46126 | 0.03732 | 0.06226 | 0.00171 | 0.34 | 359 | 174 | 385 | 26 | 389 | 10 | -1 |
| 29 | 0.29 | 0.05340 | 0.00461 | 0.43621 | 0.03724 | 0.05923 | 0.00168 | 0.33 | 346 | 184 | 368 | 26 | 371 | 10 | -1 |
| 30 | 0.18 | 0.06441 | 0.00518 | 0.52737 | 0.04199 | 0.05937 | 0.00168 | 0.36 | 755 | 161 | 430 | 28 | 372 | 10 | 16 |

Note. The values of isotopic ratios and ages of individual grains are given with an error of 1Ϭ.