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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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) | 2.68 | 0.48407 | 0.00721 | 4.28228 | 0.07754 | 0.06417 | 0.00066 | 0.57 | 4193 | 21 | 1690 | 15 | 401 | 4 | 321 |
| *4 (edge)* | *0.36* | *0.05146* | *0.00140* | *0.29477* | *0.00875* | *0.04155* | *0.00049* | *0.40* | *261* | *60* | *262* | *7* | *262* | *3* | *0* |
| *4 (center)* | *0.57* | *0.05165* | *0.00123* | *0.29559* | *0.00776* | *0.04151* | *0.00046* | *0.42* | *270* | *52* | *263* | *6* | *262* | *3* | *0* |
| 5 (edge) | 1.01 | 0.05595 | 0.00153 | 0.29322 | 0.00873 | 0.03802 | 0.00045 | 0.40 | 450 | 58 | 261 | 7 | 241 | 3 | 8 |
| *5 (center)* | *0.06* | *0.05139* | *0.00137* | *0.29462* | *0.00858* | *0.04158* | *0.00048* | *0.40* | *258* | *59* | *262* | *7* | *263* | *3* | *0* |
| 9 (edge) | 0.46 | 0.05793 | 0.00206 | 0.31303 | 0.01195 | 0.03920 | 0.00054 | 0.36 | 527 | 75 | 277 | 9 | 248 | 3 | 12 |
| *9 (center)* | *0.51* | *0.05373* | *0.00138* | *0.31419* | *0.00887* | *0.04242* | *0.00049* | *0.41* | *360* | *55* | *277* | *7* | *268* | *3* | *3* |
| *11 (edge)* | *0.52* | *0.07040* | *0.00178* | *0.41765* | *0.01167* | *0.04303* | *0.00051* | *0.42* | *940* | *49* | *354* | *8* | *272* | *3* | *30* |
| *12 (edge)* | *0.60* | *0.07965* | *0.00488* | *0.44882* | *0.03058* | *0.04087* | *0.00056* | *0.58* | *1188* | *115* | *376* | *21* | *258* | *3* | *46* |
| *12 (center)* | *0.43* | *0.05193* | *0.00192* | *0.29915* | *0.01180* | *0.04179* | *0.00057* | *0.35* | *282* | *81* | *266* | *9* | *264* | *4* | *1* |
| *13 (edge)* | *0.45* | *0.06220* | *0.00210* | *0.30511* | *0.01110* | *0.03559* | *0.00048* | *0.37* | *681* | *69* | *270* | *9* | *225* | *3* | *20* |
| *13 (center)* | *0.64* | *0.05913* | *0.00134* | *0.33300* | *0.00837* | *0.04086* | *0.00045* | *0.44* | *572* | *47* | *292* | *6* | *258* | *3* | *13* |
| *15 (edge)* | *0.34* | *0.05155* | *0.00169* | *0.30390* | *0.01069* | *0.04275* | *0.00055* | *0.37* | *266* | *71* | *269* | *8* | *270* | *3* | *0* |
| *15 (center)* | *0.69* | *0.05513* | *0.00166* | *0.33351* | *0.01090* | *0.04387* | *0.00056* | *0.39* | *417* | *64* | *292* | *8* | *277* | *3* | *5* |
| *17 (edge)* | *0.45* | *0.06181* | *0.00265* | *0.32695* | *0.01497* | *0.03836* | *0.00061* | *0.35* | *668* | *87* | *287* | *11* | *243* | *4* | *18* |
| *17 (center)* | *1.69* | *0.50301* | *0.00972* | *3.90709* | *0.08722* | *0.05633* | *0.00063* | *0.50* | *4250* | *27* | *1615* | *18* | *353* | *4* | *358* |

Tabl.3 (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** |  |
| 24 (edge) | 0.47 | 0.05471 | 0.00178 | 0.29983 | 0.01052 | 0.03975 | 0.00053 | 0.38 | 400 | 69 | 266 | 8 | 251 | 3 | 6 |
| 24 (center) | 0.73 | 0.07757 | 0.00518 | 0.36467 | 0.02703 | 0.03410 | 0.00048 | 0.59 | 1136 | 127 | 316 | 20 | 216 | 3 | 46 |
| 26 (edge) | 0.35 | 0.05582 | 0.00186 | 0.38345 | 0.01382 | 0.04981 | 0.00068 | 0.38 | 445 | 70 | 330 | 10 | 313 | 4 | 5 |
| 29 (edge) | 0.61 | 0.06625 | 0.00205 | 0.42313 | 0.01430 | 0.04633 | 0.00063 | 0.40 | 814 | 61 | 358 | 10 | 292 | 4 | 23 |
| 29 (center) | 0.38 | 0.05448 | 0.00195 | 0.37910 | 0.01454 | 0.05047 | 0.00070 | 0.36 | 391 | 76 | 326 | 11 | 317 | 4 | 3 |
| 36 (edge) | 0.74 | 0.05603 | 0.00175 | 0.33932 | 0.01148 | 0.04393 | 0.00058 | 0.39 | 454 | 66 | 297 | 9 | 277 | 4 | 7 |
| 37 (edge) | 0.32 | 0.05209 | 0.00180 | 0.30726 | 0.01141 | 0.04279 | 0.00059 | 0.37 | 289 | 75 | 272 | 9 | 270 | 4 | 1 |
| 37 (center) | 0.51 | 0.05531 | 0.00172 | 0.33144 | 0.01120 | 0.04347 | 0.00057 | 0.39 | 425 | 66 | 291 | 9 | 274 | 4 | 6 |
| 43 (edge) | 0.42 | 0.05603 | 0.00232 | 0.32064 | 0.01416 | 0.04151 | 0.00064 | 0.35 | 454 | 87 | 282 | 11 | 262 | 4 | 8 |
| *43 (center)* | *0.67* | *0.05215* | *0.00198* | *0.29503* | *0.01201* | *0.04104* | *0.00060* | *0.36* | *292* | *82* | *263* | *9* | *259* | *4* | *2* |

Note. *Measurements used in calculating concordat ages are in italic*; D ‒ discordance, %. The values of isotopic ratios and ages of individual grains are given with an error of 1Ϭ.