附表1 太保岩体LA-ICP-MS 锆石U-Pb 同位素定年结果

Appendix table 1 LA-ICP-MS zircon U-Pb isotopic results of granitic samples from Taibao pluton

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 点号 | Th/ppm | U/ppm | Th/U | 207Pb/206Pb | 1σ | 207Pb/235U | 1σ | 206Pb/238U | 1σ |  | 207Pb/235U | 1σ | 206Pb/238U | 1σ |
|  | (Ma) | (Ma) |
| TB-1Z | | | | | | | | | | | | | |  |
| 1-1 | 467 | 1009 | 0.46 | 0.05064 | 0.00065 | 0.24896 | 0.00328 | 0.03566 | 0.00049 |  | 226 | 3 | 226 | 3 |
| 1-2 | 376 | 1035 | 0.36 | 0.05240 | 0.00069 | 0.24640 | 0.00327 | 0.03411 | 0.00045 |  | 224 | 3 | 216 | 3 |
| 1-3 | 281 | 1030 | 0.27 | 0.04919 | 0.00081 | 0.23693 | 0.00386 | 0.03494 | 0.00047 |  | 216 | 3 | 221 | 3 |
| 1-4 | 463 | 1102 | 0.42 | 0.05072 | 0.00067 | 0.24395 | 0.00325 | 0.03489 | 0.00047 |  | 222 | 3 | 221 | 3 |
| 1-5 | 322 | 1034 | 0.31 | 0.05070 | 0.00089 | 0.25040 | 0.00438 | 0.03582 | 0.00053 |  | 227 | 4 | 227 | 3 |
| 1-6 | 362 | 1042 | 0.35 | 0.04936 | 0.00076 | 0.23891 | 0.00365 | 0.03510 | 0.00047 |  | 218 | 3 | 222 | 3 |
| 1-7 | 431 | 1132 | 0.38 | 0.05023 | 0.00067 | 0.24145 | 0.00325 | 0.03487 | 0.00047 |  | 220 | 3 | 221 | 3 |
| 1-8 | 508 | 1287 | 0.39 | 0.05099 | 0.00140 | 0.24232 | 0.00648 | 0.03447 | 0.00060 |  | 220 | 5 | 218 | 4 |
| 1-9 | 529 | 1177 | 0.45 | 0.05011 | 0.00061 | 0.23640 | 0.00293 | 0.03422 | 0.00046 |  | 215 | 2 | 217 | 3 |
| 1-10 | 432 | 1205 | 0.36 | 0.05056 | 0.00116 | 0.24135 | 0.00537 | 0.03463 | 0.00050 |  | 220 | 4 | 219 | 3 |
| 1-11 | 337 | 1001 | 0.34 | 0.05011 | 0.00053 | 0.24110 | 0.00268 | 0.03490 | 0.00047 |  | 219 | 2 | 221 | 3 |
| 1-12 | 399 | 1043 | 0.38 | 0.05026 | 0.00066 | 0.24198 | 0.00317 | 0.03492 | 0.00046 |  | 220 | 3 | 221 | 3 |
| 1-13 | 392 | 1129 | 0.35 | 0.05132 | 0.00073 | 0.24668 | 0.00347 | 0.03486 | 0.00046 |  | 224 | 3 | 221 | 3 |
| 1-14 | 329 | 1085 | 0.30 | 0.05066 | 0.00063 | 0.24645 | 0.00310 | 0.03529 | 0.00047 |  | 224 | 3 | 224 | 3 |
| 1-15 | 411 | 1011 | 0.41 | 0.05110 | 0.00165 | 0.24145 | 0.00749 | 0.03429 | 0.00057 |  | 220 | 6 | 217 | 4 |
| 1-16 | 348 | 1007 | 0.35 | 0.05085 | 0.00124 | 0.24541 | 0.00577 | 0.03500 | 0.00051 |  | 223 | 5 | 222 | 3 |
| 1-17 | 537 | 1351 | 0.40 | 0.05074 | 0.00074 | 0.23546 | 0.00344 | 0.03366 | 0.00046 |  | 215 | 3 | 213 | 3 |
| 1-18 | 425 | 1135 | 0.37 | 0.05070 | 0.00097 | 0.23648 | 0.00444 | 0.03383 | 0.00049 |  | 216 | 4 | 214 | 3 |
| 1-19 | 422 | 965 | 0.44 | 0.05069 | 0.00257 | 0.23801 | 0.01152 | 0.03406 | 0.00070 |  | 217 | 9 | 216 | 4 |
| 1-20 | 492 | 1095 | 0.45 | 0.05039 | 0.00084 | 0.23589 | 0.00388 | 0.03395 | 0.00047 |  | 215 | 3 | 215 | 3 |
| TB-2Z | | | | | | | | | | | | | |  |
| 2-1 | 600 | 938 | 0.64 | 0.05062 | 0.00113 | 0.24253 | 0.00524 | 0.03476 | 0.00050 |  | 220 | 4 | 220 | 2 |
| 2-2 | 696 | 906 | 0.77 | 0.05104 | 0.00096 | 0.24214 | 0.00443 | 0.03441 | 0.00047 |  | 220 | 4 | 218 | 2 |
| 2-3 | 705 | 899 | 0.78 | 0.05065 | 0.00061 | 0.24509 | 0.00303 | 0.03509 | 0.00047 |  | 223 | 2 | 222 | 2 |
| 2-4 | 577 | 748 | 0.77 | 0.05041 | 0.00110 | 0.22708 | 0.00482 | 0.03267 | 0.00047 |  | 220 | 6 | 219 | 3 |
| 2-5 | 2379 | 1381 | 1.72 | 0.05179 | 0.00074 | 0.24746 | 0.00355 | 0.03466 | 0.00049 |  | 219 | 9 | 218 | 4 |
| 2-6 | 556 | 1004 | 0.55 | 0.05055 | 0.00091 | 0.24518 | 0.00435 | 0.03518 | 0.00051 |  | 223 | 4 | 223 | 2 |
| 2-7 | 594 | 744 | 0.80 | 0.05153 | 0.00078 | 0.24722 | 0.00372 | 0.0348 | 0.00047 |  | 223 | 3 | 221 | 2 |
| 2-8 | 538 | 1235 | 0.44 | 0.05059 | 0.00282 | 0.24031 | 0.01275 | 0.03445 | 0.00077 |  | 219 | 10 | 218 | 4 |
| 2-9 | 1149 | 1083 | 1.06 | 0.05055 | 0.00074 | 0.25145 | 0.00372 | 0.03608 | 0.00051 |  | 221 | 4 | 221 | 2 |
| 2-10 | 366 | 660 | 0.55 | 0.05174 | 0.00237 | 0.23851 | 0.01044 | 0.03346 | 0.00068 |  | 219 | 8 | 218 | 3 |
| 2-11 | 247 | 565 | 0.44 | 0.04843 | 0.00180 | 0.16919 | 0.00588 | 0.02534 | 0.00032 |  | 225 | 5 | 223 | 2 |
| 2-12 | 372 | 614 | 0.61 | 0.05700 | 0.00143 | 0.27931 | 0.00633 | 0.03554 | 0.00034 |  | 224 | 7 | 220 | 3 |
| 2-13 | 491 | 751 | 0.65 | 0.05056 | 0.00078 | 0.24248 | 0.00313 | 0.03479 | 0.00025 |  | 220 | 3 | 220 | 2 |
| 2-14 | 452 | 830 | 0.55 | 0.05107 | 0.00169 | 0.25287 | 0.00785 | 0.03593 | 0.00045 |  | 221 | 8 | 220 | 3 |
| 2-15 | 511 | 899 | 0.57 | 0.05175 | 0.00079 | 0.24691 | 0.00312 | 0.03461 | 0.00025 |  | 224 | 2 | 219 | 2 |
| 2-16 | 445 | 735 | 0.61 | 0.05062 | 0.00098 | 0.24578 | 0.00417 | 0.03522 | 0.00029 |  | 223 | 3 | 223 | 2 |
| 2-17 | 474 | 710 | 0.67 | 0.05070 | 0.00100 | 0.24321 | 0.00422 | 0.03479 | 0.00029 |  | 221 | 3 | 220 | 2 |
| 2-18 | 427 | 830 | 0.51 | 0.05051 | 0.00221 | 0.23695 | 0.00982 | 0.03402 | 0.00054 |  | 223 | 9 | 222 | 4 |
| 2-19 | 456 | 768 | 0.59 | 0.05061 | 0.00105 | 0.2427 | 0.00451 | 0.03479 | 0.00030 |  | 221 | 4 | 220 | 2 |
| 2-20 | 454 | 1023 | 0.44 | 0.05062 | 0.00137 | 0.24096 | 0.00609 | 0.03454 | 0.00038 |  | 219 | 5 | 219 | 2 |
| PM023-28 | | | | | | | | | | | | | | |
| 3-1 | 436 | 769 | 0.57 | 0.05113 | 0.00221 | 0.24887 | 0.01065 | 0.03531 | 0.00072 |  | 226 | 9 | 224 | 4 |
| 3-2 | 393 | 786 | 0.50 | 0.05073 | 0.00121 | 0.2462 | 0.00618 | 0.03521 | 0.00056 |  | 223 | 5 | 223 | 3 |
| 3-3 | 447 | 842 | 0.53 | 0.05122 | 0.00137 | 0.2504 | 0.00682 | 0.03546 | 0.00056 |  | 227 | 6 | 225 | 3 |
| 3-4 | 484 | 721 | 0.67 | 0.05571 | 0.00088 | 0.26541 | 0.00466 | 0.03456 | 0.00048 |  | 239 | 4 | 219 | 3 |
| 3-5 | 502 | 983 | 0.51 | 0.05044 | 0.00088 | 0.23637 | 0.00463 | 0.03399 | 0.00051 |  | 215 | 4 | 215 | 3 |
| 3-6 | 423 | 900 | 0.47 | 0.05057 | 0.00094 | 0.24262 | 0.0049 | 0.0348 | 0.0005 |  | 221 | 4 | 221 | 3 |
| 3-7 | 439 | 823 | 0.53 | 0.05063 | 0.00239 | 0.24599 | 0.01145 | 0.03522 | 0.00074 |  | 223 | 9 | 223 | 5 |
| 3-8 | 446 | 848 | 0.53 | 0.05032 | 0.00086 | 0.24205 | 0.00463 | 0.03489 | 0.00051 |  | 220 | 4 | 221 | 3 |
| 3-9 | 503 | 936 | 0.54 | 0.05112 | 0.00102 | 0.24647 | 0.00536 | 0.03497 | 0.00054 |  | 224 | 4 | 222 | 3 |
| 3-10 | 520 | 961 | 0.54 | 0.05124 | 0.0015 | 0.24276 | 0.00724 | 0.03437 | 0.00058 |  | 221 | 6 | 218 | 4 |
| 3-11 | 538 | 845 | 0.64 | 0.05025 | 0.00133 | 0.24356 | 0.00651 | 0.03517 | 0.00053 |  | 221 | 5 | 223 | 3 |
| 3-12 | 363 | 672 | 0.54 | 0.05131 | 0.00161 | 0.26243 | 0.00841 | 0.03709 | 0.00066 |  | 237 | 7 | 235 | 4 |
| 3-13 | 514 | 909 | 0.57 | 0.05037 | 0.00078 | 0.23982 | 0.00419 | 0.03453 | 0.00048 |  | 218 | 3 | 219 | 3 |
| 3-14 | 526 | 700 | 0.75 | 0.05047 | 0.00168 | 0.24591 | 0.00809 | 0.03536 | 0.00057 |  | 223 | 7 | 224 | 4 |
| 3-15 | 474 | 683 | 0.69 | 0.05171 | 0.00149 | 0.25113 | 0.00723 | 0.03524 | 0.00054 |  | 227 | 6 | 223 | 3 |
| 3-16 | 384 | 674 | 0.57 | 0.05059 | 0.00117 | 0.24364 | 0.00576 | 0.03494 | 0.0005 |  | 221 | 5 | 221 | 3 |
| 3-17 | 564 | 935 | 0.60 | 0.05068 | 0.00108 | 0.2464 | 0.00572 | 0.03527 | 0.00056 |  | 224 | 5 | 223 | 3 |
| 3-18 | 494 | 990 | 0.50 | 0.05086 | 0.00222 | 0.24058 | 0.01037 | 0.03431 | 0.00066 |  | 219 | 8 | 217 | 4 |
| 3-19 | 372 | 547 | 0.68 | 0.05203 | 0.00178 | 0.24792 | 0.00838 | 0.03457 | 0.00057 |  | 225 | 7 | 219 | 4 |
| 3-20 | 536 | 1080 | 0.50 | 0.05058 | 0.00082 | 0.24262 | 0.00448 | 0.03479 | 0.0005 |  | 221 | 4 | 220 | 3 |
| PM024-1 | | | | | | | | | | | | | | |
| 4-1 | 392 | 1058 | 0.37 | 0.0506 | 0.00134 | 0.24544 | 0.00647 | 0.03519 | 0.00051 |  | 223 | 5 | 223 | 3 |
| 4-2 | 834 | 1210 | 0.69 | 0.05065 | 0.00167 | 0.23955 | 0.00775 | 0.0343 | 0.00055 |  | 218 | 6 | 217 | 3 |
| 4-3 | 638 | 1644 | 0.39 | 0.05056 | 0.00168 | 0.24251 | 0.00797 | 0.03478 | 0.00056 |  | 220 | 7 | 220 | 3 |
| 4-4 | 528 | 1851 | 0.29 | 0.05059 | 0.00095 | 0.24468 | 0.00476 | 0.03509 | 0.00047 |  | 222 | 4 | 222 | 3 |
| 4-5 | 414 | 1141 | 0.36 | 0.05054 | 0.00074 | 0.2427 | 0.00399 | 0.03483 | 0.00046 |  | 221 | 3 | 221 | 3 |
| 4-6 | 554 | 1302 | 0.43 | 0.05083 | 0.00161 | 0.24288 | 0.00759 | 0.03466 | 0.00054 |  | 221 | 6 | 220 | 3 |
| 4-7 | 368 | 1166 | 0.32 | 0.05044 | 0.00139 | 0.24438 | 0.00675 | 0.03515 | 0.00053 |  | 222 | 6 | 223 | 3 |
| 4-8 | 425 | 1068 | 0.40 | 0.05076 | 0.00154 | 0.24326 | 0.00727 | 0.03476 | 0.00053 |  | 221 | 6 | 220 | 3 |
| 4-9 | 463 | 1294 | 0.36 | 0.05128 | 0.00076 | 0.24353 | 0.00399 | 0.03445 | 0.00045 |  | 221 | 3 | 218 | 3 |
| 4-10 | 336 | 1004 | 0.33 | 0.05058 | 0.00102 | 0.24276 | 0.00505 | 0.03481 | 0.00047 |  | 221 | 4 | 221 | 3 |
| 4-11 | 435 | 1233 | 0.35 | 0.05113 | 0.00164 | 0.24398 | 0.00725 | 0.03462 | 0.0004 |  | 222 | 6 | 219 | 2 |
| 4-12 | 527 | 1198 | 0.44 | 0.05112 | 0.00179 | 0.24122 | 0.00785 | 0.03424 | 0.00042 |  | 219 | 6 | 217 | 3 |
| 4-13 | 485 | 1413 | 0.34 | 0.05048 | 0.00158 | 0.24181 | 0.00698 | 0.03474 | 0.00039 |  | 220 | 6 | 220 | 2 |
| 4-14 | 491 | 1276 | 0.39 | 0.05063 | 0.00152 | 0.24521 | 0.00676 | 0.03514 | 0.00039 |  | 223 | 6 | 223 | 2 |
| 4-15 | 567 | 1486 | 0.38 | 0.05065 | 0.00113 | 0.24242 | 0.00483 | 0.03472 | 0.00031 |  | 220 | 4 | 220 | 2 |
| 4-16 | 410 | 1266 | 0.32 | 0.05082 | 0.00356 | 0.24351 | 0.01615 | 0.03475 | 0.00082 |  | 221 | 13 | 220 | 5 |
| 4-17 | 385 | 1300 | 0.30 | 0.05055 | 0.00112 | 0.24181 | 0.00478 | 0.03469 | 0.00031 |  | 220 | 4 | 220 | 2 |
| 4-18 | 613 | 1355 | 0.45 | 0.05061 | 0.00183 | 0.24229 | 0.00816 | 0.03473 | 0.00045 |  | 220 | 7 | 220 | 3 |
| 4-19 | 445 | 1204 | 0.37 | 0.05085 | 0.00083 | 0.24237 | 0.00334 | 0.03457 | 0.00026 |  | 220 | 3 | 219 | 2 |
| 4-20 | 341 | 1021 | 0.33 | 0.05062 | 0.0012 | 0.24284 | 0.00515 | 0.0348 | 0.00032 |  | 221 | 4 | 221 | 2 |

附表2 太保岩体花岗岩锆石Hf同位素分析结果

Apendix table 2 Zircon Hf isotopic results of granitic samples from Taibao pluton

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 测试点 | 176Hf/177Hf | 2se（10-6） | 176Lu/177Hf | 176Yb/177Hf | *t* (Ma) | *ε*Hf(*t*) | 2se | *T*DM2(Ma) | 2se | *f*Lu/Hf |
| TB-1Z 花岗闪长岩 | | | | | | | | | | |
| 1-1 | 0.282744 | 0.000022 | 0.001407 | 0.036842 | 226 | 3.4 | 0.8 | 1017 | 99 | -0.96 |
| 1-2 | 0.282680 | 0.000022 | 0.001233 | 0.031514 | 216 | 0.9 | 0.8 | 1164 | 99 | -0.96 |
| 1-3 | 0.282674 | 0.000019 | 0.000781 | 0.019399 | 221 | 0.9 | 0.7 | 1170 | 87 | -0.98 |
| 1-4 | 0.282654 | 0.000021 | 0.001467 | 0.037791 | 221 | 0.1 | 0.7 | 1223 | 92 | -0.96 |
| 1-5 | 0.282671 | 0.000021 | 0.000986 | 0.025138 | 227 | 0.9 | 0.7 | 1176 | 92 | -0.97 |
| 1-6 | 0.282642 | 0.000019 | 0.001137 | 0.029021 | 222 | -0.3 | 0.7 | 1246 | 87 | -0.97 |
| 1-7 | 0.282616 | 0.000018 | 0.001494 | 0.038546 | 221 | -1.3 | 0.6 | 1307 | 81 | -0.96 |
| 1-8 | 0.282620 | 0.000018 | 0.001546 | 0.042080 | 218 | -1.2 | 0.6 | 1301 | 80 | -0.95 |
| 1-9 | 0.282673 | 0.000023 | 0.001799 | 0.047679 | 217 | 0.6 | 0.8 | 1184 | 103 | -0.95 |
| 1-10 | 0.282671 | 0.000020 | 0.001363 | 0.034981 | 219 | 0.7 | 0.7 | 1183 | 91 | -0.96 |
| 1-11 | 0.282676 | 0.000021 | 0.001323 | 0.032789 | 221 | 0.9 | 0.7 | 1170 | 93 | -0.96 |
| 1-12 | 0.282710 | 0.000021 | 0.001748 | 0.046673 | 221 | 2.0 | 0.7 | 1098 | 94 | -0.95 |
| 1-13 | 0.282618 | 0.000021 | 0.001298 | 0.033094 | 221 | -1.2 | 0.8 | 1302 | 96 | -0.96 |
| 1-14 | 0.282679 | 0.000021 | 0.001452 | 0.036442 | 224 | 1.0 | 0.7 | 1163 | 93 | -0.96 |
| 1-15 | 0.282669 | 0.000021 | 0.002104 | 0.056323 | 217 | 0.4 | 0.7 | 1195 | 94 | -0.94 |
| 1-16 | 0.282730 | 0.000024 | 0.001666 | 0.043822 | 222 | 2.7 | 0.9 | 1053 | 110 | -0.95 |
| 1-17 | 0.282646 | 0.000020 | 0.001289 | 0.032206 | 213 | -0.4 | 0.7 | 1242 | 91 | -0.96 |
| 1-18 | 0.282663 | 0.000020 | 0.001185 | 0.029259 | 214 | 0.3 | 0.7 | 1203 | 88 | -0.96 |
| 1-19 | 0.282646 | 0.000022 | 0.001232 | 0.030811 | 216 | -0.3 | 0.8 | 1241 | 99 | -0.96 |
| 1-20 | 0.282664 | 0.000023 | 0.001420 | 0.039026 | 215 | 0.3 | 0.8 | 1203 | 103 | -0.96 |
| TB-2Z 花岗闪长岩 | | | | | | | | | | |
| 2-1 | 0.282600 | 0.000018 | 0.001078 | 0.027107 | 220 | -1.8 | 0.6 | 1339 | 82 | -0.97 |
| 2-2 | 0.282663 | 0.000022 | 0.001986 | 0.049927 | 218 | 0.3 | 0.8 | 1207 | 97 | -0.94 |
| 2-3 | 0.282648 | 0.000027 | 0.001780 | 0.045270 | 222 | -0.2 | 0.9 | 1237 | 120 | -0.95 |
| 2-4 | 0.282700 | 0.000022 | 0.001172 | 0.028620 | 219 | 1.7 | 0.8 | 1116 | 99 | -0.97 |
| 2-5 | 0.282638 | 0.000023 | 0.001059 | 0.026661 | 218 | -0.5 | 0.8 | 1256 | 103 | -0.97 |
| 2-6 | 0.282660 | 0.000022 | 0.001000 | 0.025011 | 223 | 0.4 | 0.8 | 1203 | 100 | -0.97 |
| 2-7 | 0.282735 | 0.000029 | 0.002074 | 0.052976 | 221 | 2.9 | 1.0 | 1045 | 131 | -0.94 |
| 2-8 | 0.282580 | 0.000023 | 0.001177 | 0.029216 | 218 | -2.6 | 0.8 | 1386 | 104 | -0.96 |
| 2-9 | 0.282673 | 0.000028 | 0.001915 | 0.050418 | 221 | 0.7 | 1.0 | 1183 | 125 | -0.94 |
| 2-11 | 0.282662 | 0.000022 | 0.001282 | 0.031698 | 223 | 0.4 | 0.8 | 1201 | 101 | -0.96 |
| 2-12 | 0.282703 | 0.000023 | 0.000653 | 0.015209 | 220 | 1.9 | 0.8 | 1104 | 104 | -0.98 |
| 2-13 | 0.282693 | 0.000023 | 0.000856 | 0.020106 | 220 | 1.5 | 0.8 | 1129 | 102 | -0.97 |
| 2-14 | 0.282743 | 0.000025 | 0.001694 | 0.043059 | 220 | 3.2 | 0.9 | 1024 | 113 | -0.95 |
| 2-15 | 0.282609 | 0.000023 | 0.001140 | 0.028602 | 219 | -1.5 | 0.8 | 1320 | 102 | -0.97 |
| 2-16 | 0.282694 | 0.000022 | 0.001366 | 0.033721 | 223 | 1.5 | 0.8 | 1130 | 100 | -0.96 |
| 2-17 | 0.282700 | 0.000023 | 0.001026 | 0.024842 | 220 | 1.7 | 0.8 | 1116 | 104 | -0.97 |
| 2-18 | 0.282690 | 0.000044 | 0.001221 | 0.029266 | 222 | 1.4 | 1.6 | 1137 | 198 | -0.96 |
| 2-19 | 0.282690 | 0.000020 | 0.001252 | 0.030175 | 220 | 1.3 | 0.7 | 1140 | 91 | -0.96 |
| 2-20 | 0.282682 | 0.000026 | 0.001803 | 0.043889 | 219 | 1.0 | 0.9 | 1163 | 118 | -0.95 |
| PM023-28 二长花岗岩 | | | | | | | | | | |
| 3-1 | 0.282633 | 0.000028 | 0.001300 | 0.031645 | 224 | -0.6 | 1.0 | 1266 | 126 | -0.96 |
| 3-2 | 0.282658 | 0.000022 | 0.000932 | 0.022710 | 223 | 0.3 | 0.8 | 1207 | 97 | -0.97 |
| 3-3 | 0.282639 | 0.000021 | 0.001231 | 0.029904 | 225 | -0.4 | 0.7 | 1252 | 94 | -0.96 |
| 3-4 | 0.282698 | 0.000027 | 0.001801 | 0.045398 | 219 | 1.5 | 1.0 | 1126 | 121 | -0.95 |
| 3-5 | 0.282680 | 0.000023 | 0.001201 | 0.029282 | 215 | 0.9 | 0.8 | 1163 | 104 | -0.96 |
| 3-7 | 0.282685 | 0.000031 | 0.001001 | 0.024823 | 223 | 1.3 | 1.1 | 1146 | 138 | -0.97 |
| 3-8 | 0.282768 | 0.000031 | 0.001672 | 0.039845 | 221 | 4.1 | 1.1 | 967 | 141 | -0.95 |
| 3-9 | 0.282654 | 0.000021 | 0.000944 | 0.023154 | 222 | 0.2 | 0.7 | 1216 | 94 | -0.97 |
| 3-10 | 0.282666 | 0.000023 | 0.001132 | 0.028378 | 218 | 0.5 | 0.8 | 1194 | 104 | -0.97 |
| 3-11 | 0.282625 | 0.000026 | 0.001545 | 0.039378 | 223 | -0.9 | 0.9 | 1287 | 117 | -0.95 |
| 3-12 | 0.282704 | 0.000038 | 0.001164 | 0.028330 | 235 | 2.2 | 1.4 | 1098 | 172 | -0.97 |
| 3-13 | 0.282625 | 0.000023 | 0.001094 | 0.027442 | 219 | -0.9 | 0.8 | 1284 | 105 | -0.97 |
| 3-14 | 0.282647 | 0.000023 | 0.001107 | 0.028356 | 224 | -0.1 | 0.8 | 1232 | 102 | -0.97 |
| 3-15 | 0.282648 | 0.000023 | 0.001271 | 0.032336 | 223 | -0.1 | 0.8 | 1232 | 103 | -0.96 |
| 3-16 | 0.282597 | 0.000022 | 0.001159 | 0.029342 | 221 | -1.9 | 0.8 | 1346 | 99 | -0.97 |
| 3-17 | 0.282663 | 0.000025 | 0.001256 | 0.031629 | 223 | 0.4 | 0.9 | 1199 | 111 | -0.96 |
| 3-18 | 0.282617 | 0.000026 | 0.001206 | 0.029811 | 217 | -1.3 | 0.9 | 1306 | 116 | -0.96 |
| 3-19 | 0.282663 | 0.000024 | 0.001084 | 0.027416 | 219 | 0.4 | 0.8 | 1200 | 107 | -0.97 |
| 3-20 | 0.282738 | 0.000025 | 0.001360 | 0.034852 | 220 | 3.0 | 0.9 | 1033 | 114 | -0.96 |
| PM024-1 二长花岗岩 | | | | | | | | | | |
| 4-1 | 0.282739 | 0.000032 | 0.001290 | 0.035369 | 223 | 3.1 | 1.1 | 1028 | 142 | -0.96 |
| 4-2 | 0.282690 | 0.000028 | 0.001085 | 0.029955 | 217 | 1.3 | 1.0 | 1139 | 127 | -0.97 |
| 4-3 | 0.282687 | 0.000027 | 0.001437 | 0.040006 | 220 | 1.2 | 1.0 | 1148 | 122 | -0.96 |
| 4-4 | 0.282671 | 0.000030 | 0.001923 | 0.054831 | 222 | 0.6 | 1.1 | 1188 | 136 | -0.94 |
| 4-5 | 0.282662 | 0.000028 | 0.001549 | 0.042708 | 221 | 0.3 | 1.0 | 1205 | 125 | -0.95 |
| 4-6 | 0.282720 | 0.000034 | 0.001621 | 0.044164 | 220 | 2.4 | 1.2 | 1076 | 153 | -0.95 |
| 4-7 | 0.282689 | 0.000027 | 0.000870 | 0.022367 | 223 | 1.4 | 0.9 | 1137 | 120 | -0.97 |
| 4-8 | 0.282639 | 0.000028 | 0.001790 | 0.048391 | 220 | -0.5 | 1.0 | 1259 | 125 | -0.95 |
| 4-9 | 0.282693 | 0.000024 | 0.001231 | 0.031827 | 218 | 1.4 | 0.8 | 1134 | 107 | -0.96 |
| 4-10 | 0.282678 | 0.000027 | 0.001512 | 0.040407 | 221 | 0.9 | 1.0 | 1168 | 121 | -0.95 |
| 4-11 | 0.282775 | 0.000027 | 0.001227 | 0.030832 | 219 | 4.3 | 1.0 | 949 | 123 | -0.96 |
| 4-12 | 0.282699 | 0.000025 | 0.002487 | 0.070177 | 217 | 1.4 | 0.9 | 1133 | 113 | -0.93 |
| 4-13 | 0.282604 | 0.000023 | 0.001450 | 0.037425 | 220 | -1.7 | 0.8 | 1333 | 105 | -0.96 |
| 4-14 | 0.282706 | 0.000024 | 0.001162 | 0.029786 | 223 | 2.0 | 0.8 | 1102 | 106 | -0.97 |
| 4-15 | 0.282669 | 0.000019 | 0.001210 | 0.030620 | 220 | 0.6 | 0.7 | 1186 | 85 | -0.96 |
| 4-16 | 0.282664 | 0.000025 | 0.001296 | 0.032915 | 220 | 0.4 | 0.9 | 1198 | 114 | -0.96 |
| 4-17 | 0.282755 | 0.000024 | 0.001130 | 0.028961 | 220 | 3.7 | 0.9 | 992 | 109 | -0.97 |
| 4-18 | 0.282671 | 0.000022 | 0.002039 | 0.053467 | 220 | 0.6 | 0.8 | 1189 | 100 | -0.94 |
| 4-19 | 0.282643 | 0.000020 | 0.001167 | 0.029988 | 219 | -0.3 | 0.7 | 1245 | 91 | -0.97 |
| 4-20 | 0.282647 | 0.000021 | 0.001271 | 0.031710 | 221 | -0.2 | 0.8 | 1235 | 96 | -0.96 |