Table 5-3 LA-ICP-MS zircon U-Pb dating data for some early Paleozoic

gneissic granites in in the Wuyi and Wugong domains

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| spot | Th | U | Th/U | Isotopic ratios | | | | | |  | Isotopic ages (Ma) | | | | | | Conc. |
| ppm | | 207Pb  /206Pb | ±1σ | 207Pb /235U | ±1σ | 206Pb /238U | ±1σ |  | 207Pb /206Pb | ±1σ | 207Pb /235U | ±1σ | 206Pb /238U | ±1σ | (%) |
| JX04(monzogranite) | | | | | | | | | |  |  |  |  |  |  |  |  |
| 01 | 188 | 262 | 0.72 | 0.0561 | 0.0014 | 0.5634 | 0.0145 | 0.0728 | 0.0012 |  | 458 | 30 | 454 | 9 | 453 | 7 | 100.2 |
| 02 | 213 | 373 | 0.57 | 0.0557 | 0.0019 | 0.5390 | 0.0185 | 0.0702 | 0.0012 |  | 440 | 47 | 438 | 12 | 438 | 7 | 100.0 |
| 03 | 126 | 314 | 0.40 | 0.0558 | 0.0013 | 0.5464 | 0.0129 | 0.0711 | 0.0010 |  | 443 | 28 | 443 | 8 | 443 | 6 | 100.0 |
| 04 | 234 | 624 | 0.37 | 0.0559 | 0.0012 | 0.5539 | 0.0124 | 0.0719 | 0.0011 |  | 449 | 25 | 448 | 8 | 447 | 7 | 100.2 |
| 05 | 165 | 278 | 0.59 | 0.0557 | 0.0016 | 0.5382 | 0.0161 | 0.0701 | 0.0011 |  | 439 | 39 | 437 | 11 | 437 | 7 | 100.0 |
| 06 | 146 | 750 | 0.19 | 0.0559 | 0.0009 | 0.5550 | 0.0100 | 0.0720 | 0.0010 |  | 449 | 19 | 448 | 7 | 448 | 6 | 100.0 |
| 07 | 116 | 212 | 0.55 | 0.0559 | 0.0018 | 0.5588 | 0.0181 | 0.0725 | 0.0012 |  | 450 | 43 | 451 | 12 | 451 | 7 | 100.0 |
| 08 | 190 | 415 | 0.46 | 0.0558 | 0.0011 | 0.5476 | 0.0116 | 0.0712 | 0.0010 |  | 444 | 24 | 443 | 8 | 443 | 6 | 100.0 |
| 09 | 435 | 1063 | 0.41 | 0.0560 | 0.0009 | 0.5585 | 0.0101 | 0.0724 | 0.0011 |  | 451 | 18 | 451 | 7 | 451 | 6 | 100.0 |
| 10 | 102 | 262 | 0.39 | 0.0558 | 0.0011 | 0.5467 | 0.0117 | 0.0711 | 0.0011 |  | 444 | 23 | 443 | 8 | 443 | 6 | 100.0 |
| 11 | 378 | 958 | 0.39 | 0.0559 | 0.0037 | 0.5411 | 0.0345 | 0.0702 | 0.0017 |  | 450 | 98 | 439 | 23 | 437 | 10 | 100.5 |
| 12 | 221 | 241 | 0.92 | 0.0560 | 0.0023 | 0.5601 | 0.0227 | 0.0726 | 0.0013 |  | 452 | 59 | 452 | 15 | 452 | 8 | 100.0 |
| 13 | 82 | 75 | 1.10 | 0.1192 | 0.0037 | 5.7945 | 0.1819 | 0.3525 | 0.0061 |  | 1945 | 32 | 1946 | 27 | 1947 | 29 | 99.9 |
| 14 | 76 | 405 | 0.19 | 0.0556 | 0.0031 | 0.5396 | 0.0294 | 0.0704 | 0.0015 |  | 436 | 83 | 438 | 19 | 439 | 9 | 99.8 |
| 15 | 149 | 679 | 0.22 | 0.1132 | 0.0018 | 5.1724 | 0.0932 | 0.3316 | 0.0047 |  | 1851 | 15 | 1848 | 15 | 1846 | 23 | 100.1 |
| 16 | 259 | 417 | 0.62 | 0.0556 | 0.0009 | 0.5341 | 0.0101 | 0.0697 | 0.0010 |  | 435 | 19 | 435 | 7 | 434 | 6 | 100.2 |
| 17 | 62 | 668 | 0.09 | 0.0559 | 0.0009 | 0.5533 | 0.0099 | 0.0718 | 0.0010 |  | 449 | 18 | 447 | 6 | 447 | 6 | 100.0 |
| 18 | 479 | 971 | 0.49 | 0.0554 | 0.0012 | 0.5263 | 0.0120 | 0.0689 | 0.0011 |  | 428 | 25 | 429 | 8 | 430 | 7 | 99.8 |
| 19 | 268 | 413 | 0.65 | 0.0558 | 0.0012 | 0.5458 | 0.0126 | 0.0710 | 0.0011 |  | 443 | 26 | 442 | 8 | 442 | 7 | 100.0 |
| 20 | 126 | 177 | 0.71 | 0.0555 | 0.0014 | 0.5310 | 0.0138 | 0.0694 | 0.0011 |  | 432 | 32 | 432 | 9 | 433 | 6 | 99.8 |
| 21 | 183 | 350 | 0.52 | 0.0560 | 0.0015 | 0.5574 | 0.0153 | 0.0723 | 0.0011 |  | 450 | 34 | 450 | 10 | 450 | 7 | 100.0 |
| 22 | 87 | 159 | 0.55 | 0.0635 | 0.0025 | 1.0368 | 0.0398 | 0.1184 | 0.0021 |  | 725 | 51 | 722 | 20 | 722 | 12 | 100.0 |
| 23 | 299 | 583 | 0.51 | 0.0558 | 0.0018 | 0.5475 | 0.0172 | 0.0712 | 0.0012 |  | 444 | 42 | 443 | 11 | 444 | 7 | 99.8 |
| 24 | 151 | 694 | 0.22 | 0.0559 | 0.0024 | 0.5509 | 0.0236 | 0.0716 | 0.0013 |  | 447 | 62 | 446 | 15 | 446 | 8 | 100.0 |
| 25 | 149 | 346 | 0.43 | 0.0555 | 0.0018 | 0.5292 | 0.0171 | 0.0692 | 0.0012 |  | 431 | 43 | 431 | 11 | 431 | 7 | 100.0 |
| 26 | 375 | 593 | 0.63 | 0.0560 | 0.0028 | 0.5523 | 0.0273 | 0.0717 | 0.0015 |  | 451 | 72 | 446 | 18 | 446 | 9 | 100.0 |
| 27 | 171 | 413 | 0.42 | 0.0558 | 0.001 | 0.5495 | 0.0112 | 0.0714 | 0.0010 |  | 446 | 22 | 445 | 7 | 445 | 6 | 100.0 |
| 28 | 267 | 459 | 0.58 | 0.0557 | 0.0011 | 0.5403 | 0.0115 | 0.0704 | 0.0010 |  | 439 | 24 | 439 | 8 | 439 | 6 | 100.0 |
| 29 | 87 | 215 | 0.40 | 0.0561 | 0.0026 | 0.5627 | 0.0251 | 0.0728 | 0.0013 |  | 454 | 67 | 453 | 16 | 453 | 8 | 100.0 |
| 30 | 297 | 1095 | 0.27 | 0.0559 | 0.0014 | 0.5543 | 0.0141 | 0.0719 | 0.0011 |  | 448 | 31 | 448 | 9 | 448 | 6 | 100.0 |
| 31 | 57 | 206 | 0.28 | 0.0557 | 0.0015 | 0.5441 | 0.0152 | 0.0708 | 0.0011 |  | 441 | 36 | 441 | 10 | 441 | 6 | 100.0 |
| 32 | 83 | 228 | 0.37 | 0.0557 | 0.0029 | 0.5413 | 0.0279 | 0.0705 | 0.0014 |  | 441 | 79 | 439 | 18 | 439 | 8 | 100.0 |
| JX14(syenogranite) | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 01.1 | 339 | 243 | 1.39 | 0.0659 | 0.0013 | 1.2005 | 0.0256 | 0.1322 | 0.0019 |  | 803 | 22 | 801 | 12 | 800 | 11 | 100.1 |
| 01.2 | 516 | 2000 | 0.26 | 0.0584 | 0.0035 | 0.5766 | 0.0333 | 0.0716 | 0.0016 |  | 544 | 88 | 462 | 21 | 446 | 9 | 103.6 |
| 02 | 445 | 560 | 0.79 | 0.0665 | 0.0011 | 1.2513 | 0.0239 | 0.1365 | 0.0020 |  | 823 | 18 | 824 | 11 | 825 | 12 | 99.9 |
| 03 | 182 | 91 | 2.00 | 0.0665 | 0.0026 | 1.2402 | 0.0485 | 0.1353 | 0.0025 |  | 821 | 52 | 819 | 22 | 818 | 14 | 100.1 |
| 04 | 306 | 239 | 1.28 | 0.0678 | 0.002 | 1.3405 | 0.0399 | 0.1434 | 0.0024 |  | 862 | 35 | 863 | 17 | 864 | 13 | 99.9 |
| 05 | 109 | 1998 | 0.05 | 0.0558 | 0.0018 | 0.5430 | 0.0171 | 0.0705 | 0.0011 |  | 446 | 42 | 440 | 11 | 439 | 7 | 100.2 |
| 06 | 7.84 | 895 | 0.01 | 0.0534 | 0.009 | 0.5011 | 0.0829 | 0.0681 | 0.0020 |  | 345 | 349 | 412 | 56 | 424 | 12 | 97.2 |
| 07.1 | 134 | 405 | 0.33 | 0.1037 | 0.0065 | 4.3043 | 0.2623 | 0.3011 | 0.0071 |  | 1691 | 77 | 1694 | 50 | 1697 | 35 | 99.8 |
| 07.2 | 5143 | 3644 | 1.41 | 0.0603 | 0.0038 | 0.5860 | 0.0362 | 0.0705 | 0.0017 |  | 613 | 91 | 468 | 23 | 439 | 10 | 106.6 |
| 08 | 62.7 | 3081 | 0.02 | 0.0461 | 0.0107 | 0.4323 | 0.0995 | 0.0681 | 0.0024 |  |  | 380 | 365 | 71 | 425 | 14 | 85.9 |
| 09 | 96.7 | 89.7 | 1.08 | 0.1624 | 0.0054 | 10.4825 | 0.3496 | 0.4683 | 0.0083 |  | 2480 | 33 | 2478 | 31 | 2476 | 37 | 100.1 |
| 10 | 173 | 367 | 0.47 | 0.1147 | 0.0054 | 5.3368 | 0.2442 | 0.3376 | 0.0068 |  | 1874 | 53 | 1875 | 39 | 1875 | 33 | 100.0 |
| 11.1 | 1034 | 1464 | 0.71 | 0.0643 | 0.0039 | 1.0858 | 0.0639 | 0.1226 | 0.0030 |  | 753 | 84 | 746 | 31 | 745 | 17 | 100.1 |
| 11.2 | 15.9 | 1385 | 0.01 | 0.0562 | 0.0049 | 0.5491 | 0.0473 | 0.0709 | 0.0021 |  | 459 | 139 | 444 | 31 | 442 | 13 | 100.5 |
| 12 | 561 | 5745 | 0.10 | 0.0588 | 0.004 | 0.4645 | 0.0307 | 0.0573 | 0.0015 |  | 560 | 98 | 387 | 21 | 359 | 9 | 107.8 |

Table 5-3(Continued).

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| spot | Th | U | Th/U | Isotopic ratios | | | | | |  | Isotopic ages (Ma) | | | | | | Conc. |
| ppm | | 207Pb  /206Pb | ±1σ | 207Pb /235U | ±1σ | 206Pb /238U | ±1σ |  | 207Pb /206Pb | ±1σ | 207Pb /235U | ±1σ | 206Pb /238U | ±1σ | (%) |
| JX14(syenogranite) | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 13 | 228 | 678 | 0.34 | 0.0597 | 0.0084 | 0.6032 | 0.0837 | 0.0734 | 0.0033 |  | 594 | 227 | 479 | 53 | 456 | 20 | 105.0 |
| 14 | 1105 | 919 | 1.20 | 0.0635 | 0.004 | 1.0479 | 0.0629 | 0.1195 | 0.0028 |  | 726 | 88 | 728 | 31 | 728 | 16 | 100.0 |
| 15.1 | 223 | 240 | 0.93 | 0.0710 | 0.0015 | 1.5577 | 0.0354 | 0.1592 | 0.0024 |  | 957 | 24 | 954 | 14 | 952 | 13 | 100.2 |
| 15.2 | 224 | 5318 | 0.04 | 0.0663 | 0.006 | 0.4908 | 0.0430 | 0.0537 | 0.0012 |  | 816 | 196 | 405 | 29 | 337 | 7 | 120.2 |
| 16 | 56.4 | 2816 | 0.02 | 0.0848 | 0.0012 | 0.5883 | 0.0099 | 0.0503 | 0.0007 |  | 1312 | 15 | 470 | 6 | 316 | 4 | 148.7 |
| 17 | 188 | 118 | 1.59 | 0.0680 | 0.0025 | 1.3439 | 0.0495 | 0.1434 | 0.0026 |  | 868 | 47 | 865 | 21 | 864 | 14 | 100.1 |
| 18 | 388 | 429 | 0.91 | 0.0981 | 0.0021 | 3.7703 | 0.0863 | 0.2788 | 0.0044 |  | 1589 | 21 | 1586 | 18 | 1585 | 22 | 100.1 |
| 19 | 502 | 226 | 2.22 | 0.0694 | 0.0032 | 1.4502 | 0.0649 | 0.1516 | 0.0030 |  | 909 | 60 | 910 | 27 | 910 | 17 | 100.0 |
| 20 | 9.6 | 1644 | 0.01 | 0.0461 | 0.0127 | 0.4424 | 0.1211 | 0.0697 | 0.0029 |  |  | 450 | 372 | 85 | 434 | 17 | 85.7 |
| 21 | 81.3 | 488 | 0.17 | 0.0711 | 0.002 | 1.5782 | 0.0459 | 0.1610 | 0.0025 |  | 960 | 34 | 962 | 18 | 962 | 14 | 100.0 |
| 22 | 152 | 120 | 1.27 | 0.0664 | 0.0017 | 1.2396 | 0.0320 | 0.1354 | 0.0021 |  | 819 | 29 | 819 | 14 | 819 | 12 | 100.0 |
| 23 | 571 | 518 | 1.10 | 0.0668 | 0.0021 | 1.2726 | 0.0402 | 0.1382 | 0.0023 |  | 832 | 39 | 834 | 18 | 834 | 13 | 100.0 |
| 24 | 265 | 347 | 0.77 | 0.0949 | 0.0054 | 3.4835 | 0.1942 | 0.2661 | 0.0061 |  | 1527 | 70 | 1523 | 44 | 1521 | 31 | 100.1 |
| 25 | 41.0 | 3055 | 0.01 | 0.0665 | 0.001 | 0.4880 | 0.0083 | 0.0532 | 0.0007 |  | 823 | 16 | 404 | 6 | 334 | 4 | 121.0 |
| 26 | 273 | 272 | 1.00 | 0.0656 | 0.0064 | 1.2209 | 0.1136 | 0.1350 | 0.0043 |  | 794 | 142 | 810 | 52 | 816 | 24 | 99.3 |
| 27 | 668 | 1083 | 0.62 | 0.0620 | 0.0056 | 0.6023 | 0.0531 | 0.0704 | 0.0011 |  | 676 | 199 | 479 | 34 | 439 | 7 | 109.1 |
| 28 | 39.2 | 3017 | 0.01 | 0.0726 | 0.001 | 0.5660 | 0.0092 | 0.0565 | 0.0008 |  | 1004 | 15 | 455 | 6 | 354 | 5 | 128.5 |
| 29 | 96.3 | 1805 | 0.05 | 0.0533 | 0.0022 | 0.4545 | 0.0175 | 0.0618 | 0.0008 |  | 342 | 94 | 380 | 12 | 387 | 5 | 98.2 |
| 30 | 57.0 | 3285 | 0.02 | 0.0907 | 0.0013 | 0.7842 | 0.0128 | 0.0627 | 0.0009 |  | 1441 | 14 | 588 | 7 | 392 | 5 | 150.0 |
| 31 | 39.0 | 2753 | 0.01 | 0.0786 | 0.0011 | 0.6737 | 0.0112 | 0.0622 | 0.0009 |  | 1162 | 15 | 523 | 7 | 389 | 5 | 134.4 |
| 32 | 234 | 2374 | 0.10 | 0.0461 | 0.0033 | 0.3070 | 0.0218 | 0.0484 | 0.0007 |  |  | 160 | 272 | 17 | 304 | 4 | 89.5 |
| 33 | 1746 | 3295 | 0.53 | 0.0969 | 0.002 | 0.8253 | 0.0177 | 0.0618 | 0.0009 |  | 1565 | 20 | 611 | 10 | 386 | 5 | 158.3 |
| 34 | 34.2 | 1410 | 0.02 | 0.0579 | 0.0125 | 0.5416 | 0.1157 | 0.0678 | 0.0021 |  | 526 | 447 | 439 | 76 | 423 | 12 | 103.8 |
| 35 | 105 | 6218 | 0.02 | 0.0711 | 0.0012 | 0.5185 | 0.0096 | 0.0529 | 0.0007 |  | 961 | 18 | 424 | 6 | 332 | 4 | 127.7 |
| JX35(monzogranite) | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 01 | 120 | 502 | 0.24 | 0.0560 | 0.0017 | 0.5573 | 0.0174 | 0.0722 | 0.0012 |  | 451 | 41 | 450 | 11 | 449 | 7 | 100.2 |
| 02.1 | 79 | 148 | 0.53 | 0.0572 | 0.0052 | 0.6012 | 0.0527 | 0.0762 | 0.0023 |  | 500 | 141 | 478 | 33 | 473 | 14 | 101.1 |
| 02.2 | 101 | 259 | 0.39 | 0.0568 | 0.0018 | 0.6091 | 0.0194 | 0.0778 | 0.0012 |  | 485 | 43 | 483 | 12 | 483 | 7 | 100.0 |
| 03 | 111 | 292 | 0.38 | 0.0560 | 0.0027 | 0.5622 | 0.0270 | 0.0728 | 0.0015 |  | 454 | 71 | 453 | 18 | 453 | 9 | 100.0 |
| 04 | 79 | 202 | 0.39 | 0.0559 | 0.0012 | 0.5526 | 0.0124 | 0.0717 | 0.0011 |  | 448 | 25 | 447 | 8 | 446 | 6 | 100.2 |
| 05 | 244 | 776 | 0.31 | 0.0558 | 0.0009 | 0.5510 | 0.0103 | 0.0716 | 0.0010 |  | 446 | 19 | 446 | 7 | 446 | 6 | 100.0 |
| 06 | 142 | 336 | 0.42 | 0.0584 | 0.0028 | 0.6990 | 0.0324 | 0.0868 | 0.0017 |  | 544 | 67 | 538 | 19 | 537 | 10 | 100.2 |
| 07 | 122 | 366 | 0.33 | 0.0559 | 0.0035 | 0.5595 | 0.0343 | 0.0726 | 0.0017 |  | 448 | 94 | 451 | 22 | 452 | 10 | 99.8 |
| 08 | 141 | 514 | 0.27 | 0.0559 | 0.0011 | 0.5587 | 0.0118 | 0.0724 | 0.0011 |  | 450 | 23 | 451 | 8 | 451 | 6 | 100.0 |
| 09 | 198 | 462 | 0.43 | 0.0559 | 0.0027 | 0.5516 | 0.0267 | 0.0715 | 0.0015 |  | 449 | 70 | 446 | 17 | 445 | 9 | 100.2 |
| 10 | 110 | 337 | 0.33 | 0.0559 | 0.0017 | 0.5528 | 0.0173 | 0.0718 | 0.0013 |  | 447 | 39 | 447 | 11 | 447 | 8 | 100.0 |
| 11 | 84 | 265 | 0.32 | 0.0559 | 0.0012 | 0.5528 | 0.0126 | 0.0718 | 0.0011 |  | 448 | 26 | 447 | 8 | 447 | 6 | 100.0 |
| 12 | 73 | 476 | 0.15 | 0.0558 | 0.0011 | 0.5470 | 0.0118 | 0.0711 | 0.0011 |  | 444 | 24 | 443 | 8 | 443 | 6 | 100.0 |
| 13 | 193 | 540 | 0.36 | 0.0557 | 0.0024 | 0.5415 | 0.0238 | 0.0705 | 0.0014 |  | 440 | 62 | 439 | 16 | 439 | 8 | 100.0 |
| 14 | 219 | 779 | 0.28 | 0.0557 | 0.0033 | 0.5250 | 0.0301 | 0.0684 | 0.0015 |  | 440 | 89 | 428 | 20 | 426 | 9 | 100.5 |
| 15 | 51 | 108 | 0.48 | 0.0556 | 0.0022 | 0.5320 | 0.0203 | 0.0694 | 0.0012 |  | 435 | 55 | 433 | 13 | 433 | 7 | 100.0 |
| 16 | 85 | 228 | 0.37 | 0.0554 | 0.0016 | 0.5229 | 0.0148 | 0.0685 | 0.0011 |  | 428 | 36 | 427 | 10 | 427 | 6 | 100.0 |
| 17 | 164 | 409 | 0.40 | 0.0559 | 0.002 | 0.5461 | 0.0201 | 0.0709 | 0.0013 |  | 446 | 49 | 442 | 13 | 442 | 8 | 100.0 |
| 18 | 78 | 568 | 0.14 | 0.0556 | 0.0018 | 0.5346 | 0.0174 | 0.0697 | 0.0011 |  | 436 | 44 | 435 | 12 | 435 | 7 | 100.0 |
| 19 | 111 | 271 | 0.41 | 0.0559 | 0.0023 | 0.5529 | 0.0224 | 0.0717 | 0.0013 |  | 449 | 57 | 447 | 15 | 447 | 8 | 100.0 |
| 20 | 85 | 206 | 0.41 | 0.0560 | 0.004 | 0.5625 | 0.0388 | 0.0728 | 0.0018 |  | 454 | 109 | 453 | 25 | 453 | 11 | 100.0 |
| 21 | 204 | 478 | 0.43 | 0.0559 | 0.0023 | 0.5547 | 0.0226 | 0.0720 | 0.0014 |  | 449 | 56 | 448 | 15 | 448 | 8 | 100.0 |
| 22 | 213 | 547 | 0.39 | 0.0561 | 0.0013 | 0.5644 | 0.0141 | 0.0730 | 0.0012 |  | 455 | 29 | 454 | 9 | 454 | 7 | 100.0 |

Table 5-3(Continued).

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| spot | Th | U | Th/U | Isotopic ratios | | | | | |  | Isotopic ages (Ma) | | | | | | Conc. |
| ppm | | 207Pb  /206Pb | ±1σ | 207Pb /235U | ±1σ | 206Pb /238U | ±1σ |  | 207Pb /206Pb | ±1σ | 207Pb /235U | ±1σ | 206Pb /238U | ±1σ | (%) |
| JX35(monzogranite) | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 23 | 99 | 156 | 0.64 | 0.0556 | 0.0014 | 0.5388 | 0.0139 | 0.0703 | 0.0011 |  | 438 | 31 | 438 | 9 | 438 | 7 | 100.0 |
| 24 | 52 | 151 | 0.34 | 0.0558 | 0.0019 | 0.5486 | 0.0185 | 0.0713 | 0.0012 |  | 445 | 46 | 444 | 12 | 444 | 7 | 100.0 |
| 25 | 120 | 1517 | 0.08 | 0.0599 | 0.0063 | 0.5793 | 0.0588 | 0.0704 | 0.0025 |  | 599 | 158 | 464 | 38 | 438 | 15 | 105.9 |
| 26 | 111 | 1681 | 0.07 | 0.0564 | 0.0043 | 0.5705 | 0.0415 | 0.0735 | 0.0019 |  | 467 | 115 | 458 | 27 | 457 | 12 | 100.2 |
| 27 | 178 | 553 | 0.32 | 0.0561 | 0.0014 | 0.5611 | 0.0142 | 0.0726 | 0.0011 |  | 455 | 31 | 452 | 9 | 452 | 7 | 100.0 |
| 28 | 94 | 300 | 0.31 | 0.0560 | 0.0021 | 0.5570 | 0.0208 | 0.0721 | 0.0012 |  | 453 | 53 | 450 | 14 | 449 | 7 | 100.2 |
| 29 | 76 | 259 | 0.29 | 0.0560 | 0.0015 | 0.5625 | 0.0158 | 0.0729 | 0.0011 |  | 452 | 37 | 453 | 10 | 453 | 6 | 100.0 |
| JX36(monzogranite) | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 01 | 94 | 359 | 0.26 | 0.0560 | 0.0010 | 0.5560 | 0.0105 | 0.0721 | 0.0010 |  | 451 | 20 | 449 | 7 | 449 | 6 | 100.0 |
| 02 | 290 | 518 | 0.56 | 0.0557 | 0.0013 | 0.5430 | 0.0131 | 0.0707 | 0.0011 |  | 440 | 28 | 440 | 9 | 441 | 7 | 99.8 |
| 03 | 81 | 201 | 0.41 | 0.0563 | 0.0027 | 0.5633 | 0.0267 | 0.0727 | 0.0014 |  | 463 | 71 | 454 | 17 | 452 | 8 | 100.4 |
| 04 | 677 | 2772 | 0.24 | 0.0680 | 0.0023 | 0.4297 | 0.0130 | 0.0459 | 0.0007 |  | 868 | 71 | 363 | 9 | 289 | 4 | 125.6 |
| 05 | 434 | 256 | 1.69 | 0.0561 | 0.0017 | 0.5661 | 0.0171 | 0.0732 | 0.0012 |  | 456 | 40 | 455 | 11 | 456 | 7 | 99.8 |
| 06 | 73 | 425 | 0.17 | 0.0557 | 0.0010 | 0.5403 | 0.0104 | 0.0704 | 0.0010 |  | 438 | 20 | 439 | 7 | 439 | 6 | 100.0 |
| 07 | 137 | 696 | 0.20 | 0.0558 | 0.0011 | 0.5486 | 0.0117 | 0.0713 | 0.0011 |  | 445 | 23 | 444 | 8 | 444 | 7 | 100.0 |
| 08 | 113 | 315 | 0.36 | 0.0559 | 0.0011 | 0.5576 | 0.0120 | 0.0723 | 0.0011 |  | 450 | 24 | 450 | 8 | 450 | 7 | 100.0 |
| 09 | 105 | 286 | 0.37 | 0.0555 | 0.0015 | 0.5294 | 0.0148 | 0.0692 | 0.0011 |  | 433 | 35 | 431 | 10 | 431 | 7 | 100.0 |
| 10 | 3851 | 6426 | 0.60 | 0.0681 | 0.0010 | 0.3254 | 0.0053 | 0.0347 | 0.0005 |  | 871 | 15 | 286 | 4 | 220 | 3 | 130.0 |
| 11 | 116 | 294 | 0.39 | 0.0558 | 0.0022 | 0.5459 | 0.0218 | 0.0710 | 0.0013 |  | 444 | 56 | 442 | 14 | 442 | 8 | 100.0 |
| 12 | 89 | 460 | 0.19 | 0.0570 | 0.0022 | 0.6250 | 0.0233 | 0.0795 | 0.0013 |  | 491 | 53 | 493 | 15 | 493 | 8 | 100.0 |
| 13 | 98 | 262 | 0.37 | 0.0566 | 0.0029 | 0.6004 | 0.0304 | 0.0770 | 0.0016 |  | 478 | 74 | 477 | 19 | 478 | 10 | 99.8 |
| 14 | 132 | 287 | 0.46 | 0.0562 | 0.0035 | 0.5577 | 0.0340 | 0.0720 | 0.0017 |  | 459 | 92 | 450 | 22 | 448 | 10 | 100.4 |
| 15 | 4395 | 6293 | 0.70 | 0.0461 | 0.0026 | 0.1543 | 0.0086 | 0.0243 | 0.0003 |  |  | 125 | 146 | 8 | 155 | 2 | 94.2 |
| 16 | 69 | 242 | 0.29 | 0.0559 | 0.0016 | 0.5523 | 0.0156 | 0.0717 | 0.0011 |  | 448 | 36 | 446 | 10 | 446 | 7 | 100.0 |
| 17 | 85 | 256 | 0.33 | 0.0556 | 0.0011 | 0.5352 | 0.0115 | 0.0699 | 0.0010 |  | 436 | 24 | 435 | 8 | 435 | 6 | 100.0 |
| 18 | 116 | 402 | 0.29 | 0.0558 | 0.0013 | 0.5473 | 0.0132 | 0.0712 | 0.0011 |  | 445 | 28 | 443 | 9 | 443 | 7 | 100.0 |
| 19 | 115 | 598 | 0.19 | 0.0555 | 0.0015 | 0.5307 | 0.0152 | 0.0694 | 0.0012 |  | 432 | 35 | 432 | 10 | 432 | 7 | 100.0 |
| 20 | 47 | 131 | 0.36 | 0.0557 | 0.0024 | 0.5417 | 0.0226 | 0.0706 | 0.0013 |  | 440 | 61 | 440 | 15 | 440 | 8 | 100.0 |
| 21.1 | 274 | 595 | 0.46 | 0.0555 | 0.0027 | 0.5432 | 0.0261 | 0.0709 | 0.0013 |  | 434 | 73 | 441 | 17 | 442 | 8 | 99.8 |
| 21.2 | 1738 | 6104 | 0.28 | 0.1954 | 0.0030 | 1.2782 | 0.0221 | 0.0474 | 0.0007 |  | 2788 | 13 | 836 | 10 | 299 | 4 | 279.6 |
| 22 | 51 | 338 | 0.15 | 0.0573 | 0.0067 | 0.6048 | 0.0683 | 0.0768 | 0.0027 |  | 503 | 187 | 480 | 43 | 477 | 16 | 100.6 |
| 23 | 55 | 293 | 0.19 | 0.0555 | 0.0025 | 0.5309 | 0.0234 | 0.0694 | 0.0013 |  | 432 | 65 | 432 | 15 | 432 | 8 | 100.0 |
| 24 | 54 | 159 | 0.34 | 0.0554 | 0.0017 | 0.5256 | 0.0163 | 0.0688 | 0.0011 |  | 430 | 42 | 429 | 11 | 429 | 7 | 100.0 |
| 25 | 341 | 567 | 0.60 | 0.0557 | 0.0014 | 0.5406 | 0.0140 | 0.0705 | 0.0011 |  | 438 | 31 | 439 | 9 | 439 | 7 | 100.0 |
| 26 | 73 | 323 | 0.23 | 0.0561 | 0.0015 | 0.5657 | 0.0162 | 0.0732 | 0.0012 |  | 456 | 35 | 455 | 10 | 455 | 7 | 100.0 |
| 27 | 174 | 502 | 0.35 | 0.0558 | 0.0012 | 0.5448 | 0.0118 | 0.0708 | 0.0010 |  | 443 | 25 | 442 | 8 | 441 | 6 | 100.2 |
| 28 | 833 | 5869 | 0.14 | 0.0461 | 0.0074 | 0.1485 | 0.0239 | 0.0234 | 0.0003 |  |  | 285 | 141 | 21 | 149 | 2 | 94.6 |
| JX39(monzogranite) | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 01 | 38 | 2394 | 0.02 | 0.0557 | 0.0008 | 0.5425 | 0.0091 | 0.0706 | 0.0010 |  | 442 | 17 | 440 | 6 | 440 | 6 | 100.0 |
| 02 | 327 | 1312 | 0.25 | 0.0558 | 0.0015 | 0.5452 | 0.0153 | 0.0709 | 0.0012 |  | 442 | 34 | 442 | 10 | 442 | 7 | 100.0 |
| 03.1 | 105 | 310 | 0.34 | 0.0555 | 0.0018 | 0.5306 | 0.0168 | 0.0693 | 0.0011 |  | 434 | 43 | 432 | 11 | 432 | 7 | 100.0 |
| 03.2 | 137 | 8422 | 0.02 | 0.0954 | 0.0012 | 0.6919 | 0.0109 | 0.0526 | 0.0008 |  | 1536 | 13 | 534 | 7 | 330 | 5 | 161.8 |
| 04 | 123 | 169 | 0.73 | 0.1031 | 0.0078 | 4.0163 | 0.2919 | 0.2823 | 0.0085 |  | 1680 | 90 | 1638 | 59 | 1603 | 43 | 102.2 |
| 05 | 305 | 816 | 0.37 | 0.0559 | 0.0018 | 0.5516 | 0.0177 | 0.0716 | 0.0012 |  | 448 | 41 | 446 | 12 | 446 | 7 | 100.0 |
| 06 | 59.0 | 3845 | 0.02 | 0.0565 | 0.0025 | 0.5895 | 0.0258 | 0.0757 | 0.0015 |  | 472 | 62 | 471 | 16 | 470 | 9 | 100.2 |
| 07 | 63 | 2973 | 0.02 | 0.0562 | 0.0022 | 0.5441 | 0.0210 | 0.0703 | 0.0012 |  | 459 | 56 | 441 | 14 | 438 | 7 | 100.7 |
| 08 | 47 | 2157 | 0.02 | 0.0558 | 0.0018 | 0.5484 | 0.0178 | 0.0713 | 0.0012 |  | 444 | 43 | 444 | 12 | 444 | 7 | 100.0 |
| 09 | 525 | 1543 | 0.34 | 0.0653 | 0.003 | 1.1646 | 0.0529 | 0.1295 | 0.0027 |  | 783 | 60 | 784 | 25 | 785 | 16 | 99.9 |

Table 5-3(Continued).

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| spot | Th | U | Th/U | Isotopic ratios | | | | | |  | Isotopic ages (Ma) | | | | | | Conc. |
| ppm | | 207Pb  /206Pb | ±1σ | 207Pb /235U | ±1σ | 206Pb /238U | ±1σ |  | 207Pb /206Pb | ±1σ | 207Pb /235U | ±1σ | 206Pb /238U | ±1σ | (%) |
| JX39(monzogranite) | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10 | 369 | 409 | 0.90 | 0.0660 | 0.0012 | 1.2125 | 0.0244 | 0.1333 | 0.0020 |  | 805 | 20 | 806 | 11 | 807 | 11 | 99.9 |
| 11.1 | 319 | 360 | 0.89 | 0.0629 | 0.0015 | 1.0026 | 0.0249 | 0.1156 | 0.0018 |  | 706 | 27 | 705 | 13 | 705 | 11 | 100.0 |
| 11.2 | 69 | 2482 | 0.03 | 0.0559 | 0.0026 | 0.5489 | 0.0249 | 0.0714 | 0.0014 |  | 448 | 67 | 444 | 16 | 445 | 8 | 99.8 |
| 12 | 53 | 3653 | 0.01 | 0.0945 | 0.0013 | 0.9203 | 0.0143 | 0.0707 | 0.0010 |  | 1517 | 13 | 663 | 8 | 440 | 6 | 150.7 |
| 13 | 146 | 226 | 0.65 | 0.0648 | 0.0027 | 1.1210 | 0.0456 | 0.1255 | 0.0023 |  | 768 | 55 | 763 | 22 | 762 | 13 | 100.1 |
| 14.1 | 163 | 945 | 0.17 | 0.0597 | 0.0071 | 0.7632 | 0.0873 | 0.0930 | 0.0039 |  | 591 | 178 | 576 | 50 | 573 | 23 | 100.5 |
| 14.2 | 85 | 6417 | 0.01 | 0.0564 | 0.0018 | 0.5747 | 0.0187 | 0.0739 | 0.0013 |  | 467 | 42 | 461 | 12 | 460 | 8 | 100.2 |
| 15 | 108 | 110 | 0.98 | 0.0639 | 0.0032 | 1.0729 | 0.0522 | 0.1217 | 0.0025 |  | 740 | 69 | 740 | 26 | 741 | 14 | 99.9 |
| 16 | 252 | 1280 | 0.20 | 0.0567 | 0.002 | 0.5802 | 0.0205 | 0.0743 | 0.0013 |  | 480 | 48 | 465 | 13 | 462 | 8 | 100.6 |
| 17 | 159 | 2249 | 0.07 | 0.0565 | 0.001 | 0.5920 | 0.0115 | 0.0760 | 0.0011 |  | 473 | 21 | 472 | 7 | 472 | 6 | 100.0 |
| 18 | 87 | 728 | 0.12 | 0.0562 | 0.0031 | 0.5645 | 0.0305 | 0.0728 | 0.0015 |  | 459 | 83 | 454 | 20 | 453 | 9 | 100.2 |
| 19 | 219 | 186 | 1.18 | 0.0651 | 0.0019 | 1.1484 | 0.0336 | 0.1279 | 0.0020 |  | 778 | 36 | 777 | 16 | 776 | 12 | 100.1 |
| 20 | 39 | 662 | 0.06 | 0.0563 | 0.0028 | 0.5620 | 0.0278 | 0.0724 | 0.0014 |  | 465 | 74 | 453 | 18 | 450 | 9 | 100.7 |
| 21 | 69 | 991 | 0.07 | 0.0947 | 0.0012 | 2.7824 | 0.0428 | 0.2132 | 0.0030 |  | 1522 | 13 | 1351 | 11 | 1246 | 16 | 108.4 |
| 22 | 1186 | 563 | 2.11 | 0.0630 | 0.0027 | 1.0032 | 0.0425 | 0.1155 | 0.0021 |  | 709 | 59 | 705 | 22 | 705 | 12 | 100.0 |
| 23 | 212 | 1538 | 0.14 | 0.0557 | 0.0009 | 0.5409 | 0.0104 | 0.0705 | 0.0011 |  | 439 | 20 | 439 | 7 | 439 | 6 | 100.0 |
| 24 | 113 | 881 | 0.13 | 0.0561 | 0.0034 | 0.5484 | 0.0323 | 0.0709 | 0.0017 |  | 455 | 89 | 444 | 21 | 442 | 10 | 100.5 |
| 25 | 95 | 661 | 0.14 | 0.0555 | 0.0013 | 0.5333 | 0.0128 | 0.0696 | 0.0010 |  | 434 | 29 | 434 | 8 | 434 | 6 | 100.0 |
| 26 | 197 | 1888 | 0.10 | 0.0556 | 0.0011 | 0.5380 | 0.0114 | 0.0701 | 0.0011 |  | 438 | 23 | 437 | 8 | 437 | 6 | 100.0 |
| 27 | 363 | 282 | 1.29 | 0.0652 | 0.0021 | 1.1582 | 0.0370 | 0.1288 | 0.0021 |  | 781 | 40 | 781 | 17 | 781 | 12 | 100.0 |
| 28 | 95 | 168 | 0.57 | 0.0653 | 0.0014 | 1.1667 | 0.0253 | 0.1296 | 0.0019 |  | 784 | 23 | 785 | 12 | 785 | 11 | 100.0 |
| 29 | 254 | 1625 | 0.16 | 0.0559 | 0.0012 | 0.5509 | 0.0125 | 0.0716 | 0.0010 |  | 446 | 26 | 446 | 8 | 446 | 6 | 100.0 |
| 30 | 85 | 2114 | 0.04 | 0.0579 | 0.005 | 0.5571 | 0.0463 | 0.0698 | 0.0017 |  | 527 | 196 | 450 | 30 | 435 | 10 | 103.4 |
| 31 | 121 | 2261 | 0.05 | 0.0563 | 0.0016 | 0.5707 | 0.0164 | 0.0736 | 0.0011 |  | 463 | 38 | 458 | 11 | 458 | 7 | 100.0 |
| 32 | 118 | 3194 | 0.04 | 0.1331 | 0.0023 | 1.0602 | 0.0198 | 0.0578 | 0.0008 |  | 2140 | 15 | 734 | 10 | 362 | 5 | 202.8 |
| 33 | 43 | 2351 | 0.02 | 0.0461 | 0.0052 | 0.4447 | 0.0497 | 0.0701 | 0.0014 |  |  | 225 | 374 | 35 | 436 | 8 | 85.8 |
| JX66-5(monzogranite) | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 01 | 253 | 1883 | 0.13 | 0.0557 | 0.0011 | 0.5414 | 0.0123 | 0.0705 | 0.0011 |  | 440 | 24 | 439 | 8 | 439 | 7 | 100 |
| 02 | 45 | 1467 | 0.03 | 0.0564 | 0.0023 | 0.5631 | 0.0228 | 0.0724 | 0.0015 |  | 468 | 55 | 454 | 15 | 451 | 9 | 100.7 |
| 03 | 127 | 221 | 0.57 | 0.0556 | 0.0013 | 0.5381 | 0.0133 | 0.0702 | 0.0011 |  | 438 | 29 | 437 | 9 | 437 | 6 | 100 |
| 04 | 28 | 275 | 0.10 | 0.0558 | 0.0015 | 0.5430 | 0.0153 | 0.0706 | 0.0011 |  | 444 | 35 | 440 | 10 | 440 | 7 | 100 |
| 05 | 274 | 596 | 0.46 | 0.0556 | 0.0011 | 0.5385 | 0.0114 | 0.0702 | 0.0011 |  | 438 | 23 | 437 | 7 | 437 | 6 | 100 |
| 06.1 | 85 | 416 | 0.20 | 0.0557 | 0.001 | 0.5413 | 0.0110 | 0.0705 | 0.0011 |  | 441 | 22 | 439 | 7 | 439 | 6 | 100 |
| 06.2 | 9 | 2576 | 0.00 | 0.0558 | 0.002 | 0.5472 | 0.0193 | 0.0711 | 0.0012 |  | 444 | 48 | 443 | 13 | 443 | 7 | 100 |
| 07.1 | 135 | 708 | 0.19 | 0.0558 | 0.0012 | 0.5469 | 0.0117 | 0.0711 | 0.0009 |  | 443 | 25 | 443 | 8 | 443 | 6 | 100 |
| 07.2 | 495 | 3701 | 0.13 | 0.0558 | 0.0009 | 0.5513 | 0.0093 | 0.0716 | 0.0009 |  | 446 | 17 | 446 | 6 | 446 | 6 | 100 |
| 08 | 39 | 348 | 0.11 | 0.0557 | 0.002 | 0.5387 | 0.0193 | 0.0702 | 0.0012 |  | 440 | 50 | 438 | 13 | 437 | 7 | 100.2 |
| 09 | 110 | 403 | 0.27 | 0.0559 | 0.0011 | 0.5553 | 0.0116 | 0.0721 | 0.0011 |  | 448 | 22 | 448 | 8 | 449 | 6 | 99.78 |
| 10 | 52 | 668 | 0.08 | 0.0558 | 0.0019 | 0.5559 | 0.0196 | 0.0722 | 0.0013 |  | 446 | 47 | 449 | 13 | 449 | 8 | 100 |
| 11 | 49 | 1498 | 0.03 | 0.0562 | 0.0016 | 0.5600 | 0.0171 | 0.0723 | 0.0013 |  | 459 | 38 | 452 | 11 | 450 | 8 | 100.4 |
| 12 | 142 | 706 | 0.20 | 0.0560 | 0.003 | 0.5654 | 0.0300 | 0.0732 | 0.0016 |  | 454 | 80 | 455 | 19 | 455 | 9 | 100 |
| 13 | 116 | 1102 | 0.11 | 0.0557 | 0.001 | 0.5438 | 0.0108 | 0.0708 | 0.0010 |  | 441 | 21 | 441 | 7 | 441 | 6 | 100 |
| 14.1 | 263 | 482 | 0.55 | 0.0555 | 0.0022 | 0.5264 | 0.0203 | 0.0688 | 0.0012 |  | 432 | 55 | 429 | 14 | 429 | 7 | 100 |
| 14.2 | 85 | 797 | 0.11 | 0.0558 | 0.001 | 0.5473 | 0.0106 | 0.0712 | 0.0010 |  | 443 | 20 | 443 | 7 | 443 | 6 | 100 |
| 15 | 76 | 228 | 0.33 | 0.0560 | 0.0016 | 0.5616 | 0.0158 | 0.0728 | 0.0010 |  | 452 | 38 | 453 | 10 | 453 | 6 | 100 |
| 16 | 117 | 311 | 0.38 | 0.0560 | 0.0015 | 0.5611 | 0.0151 | 0.0727 | 0.0011 |  | 453 | 34 | 452 | 10 | 452 | 7 | 100 |
| 17.1 | 46 | 199 | 0.23 | 0.0557 | 0.0025 | 0.5381 | 0.0238 | 0.0701 | 0.0013 |  | 440 | 65 | 437 | 16 | 437 | 8 | 100 |
| 17.2 | 24 | 2930 | 0.01 | 0.0557 | 0.002 | 0.5406 | 0.0200 | 0.0704 | 0.0014 |  | 438 | 49 | 439 | 13 | 439 | 8 | 100 |

Table 5-3(Continued).

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| spot | Th | U | Th/U | Isotopic ratios | | | | | |  | Isotopic ages (Ma) | | | | | | Conc. |
| ppm | | 207Pb  /206Pb | ±1σ | 207Pb /235U | ±1σ | 206Pb /238U | ±1σ |  | 207Pb /206Pb | ±1σ | 207Pb /235U | ±1σ | 206Pb /238U | ±1σ | (%) |
| JX66-5(monzogranite) | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 18 | 105 | 166 | 0.63 | 0.0558 | 0.0016 | 0.5497 | 0.0156 | 0.0714 | 0.0010 |  | 445 | 38 | 445 | 10 | 445 | 6 | 100 |
| 19 | 68 | 178 | 0.38 | 0.0557 | 0.0012 | 0.5445 | 0.0124 | 0.0709 | 0.0011 |  | 441 | 26 | 441 | 8 | 441 | 7 | 100 |
| 20 | 86 | 269 | 0.32 | 0.0557 | 0.0022 | 0.5388 | 0.0211 | 0.0702 | 0.0013 |  | 439 | 56 | 438 | 14 | 437 | 8 | 100.2 |
| 21 | 118 | 1265 | 0.09 | 0.0557 | 0.0018 | 0.5407 | 0.0176 | 0.0705 | 0.0012 |  | 440 | 42 | 439 | 12 | 439 | 7 | 100 |
| 22 | 188 | 296 | 0.63 | 0.0558 | 0.0031 | 0.5384 | 0.0294 | 0.0701 | 0.0015 |  | 442 | 84 | 437 | 19 | 437 | 9 | 100 |
| 23 | 77 | 174 | 0.45 | 0.0556 | 0.003 | 0.5416 | 0.0288 | 0.0707 | 0.0014 |  | 435 | 82 | 439 | 19 | 440 | 9 | 99.77 |
| 24 | 64 | 189 | 0.34 | 0.0557 | 0.0016 | 0.5404 | 0.0153 | 0.0704 | 0.0011 |  | 439 | 36 | 439 | 10 | 439 | 7 | 100 |
| 25 | 20 | 386 | 0.05 | 0.0558 | 0.0013 | 0.5496 | 0.0127 | 0.0714 | 0.0010 |  | 445 | 28 | 445 | 8 | 445 | 6 | 100 |
| 26 | 196 | 246 | 0.80 | 0.0657 | 0.0035 | 1.1869 | 0.0600 | 0.1310 | 0.0027 |  | 797 | 71 | 795 | 28 | 794 | 15 | 100.1 |
| 27.1 | 74 | 48 | 1.56 | 0.0559 | 0.0025 | 0.5508 | 0.0244 | 0.0715 | 0.0013 |  | 446 | 67 | 445 | 16 | 445 | 8 | 100 |
| 27.2 | 13412 | 3099 | 4.33 | 0.0556 | 0.0014 | 0.5377 | 0.0142 | 0.0701 | 0.0012 |  | 438 | 31 | 437 | 9 | 437 | 7 | 100 |
| 28 | 90 | 112 | 0.80 | 0.0560 | 0.0028 | 0.5588 | 0.0272 | 0.0724 | 0.0014 |  | 452 | 74 | 451 | 18 | 451 | 8 | 100 |
| 29 | 144 | 705 | 0.20 | 0.0556 | 0.0012 | 0.5383 | 0.0123 | 0.0702 | 0.0011 |  | 438 | 25 | 437 | 8 | 437 | 7 | 100 |
| 30 | 46 | 69 | 0.67 | 0.0561 | 0.0033 | 0.5513 | 0.0316 | 0.0713 | 0.0015 |  | 457 | 89 | 446 | 21 | 444 | 9 | 100.5 |
| 31 | 185 | 893 | 0.21 | 0.0561 | 0.0009 | 0.5643 | 0.0096 | 0.0730 | 0.0010 |  | 455 | 17 | 454 | 6 | 454 | 6 | 100 |
| 32 | 44 | 172 | 0.25 | 0.0560 | 0.0026 | 0.5471 | 0.0245 | 0.0709 | 0.0013 |  | 452 | 67 | 443 | 16 | 441 | 8 | 100.5 |
| 33.1 | 203 | 354 | 0.57 | 0.0558 | 0.0015 | 0.5436 | 0.0151 | 0.0707 | 0.0011 |  | 444 | 36 | 441 | 10 | 440 | 6 | 100.2 |
| 33.2 | 18 | 1520 | 0.01 | 0.0572 | 0.0012 | 0.6288 | 0.0130 | 0.0798 | 0.0010 |  | 497 | 24 | 495 | 8 | 495 | 6 | 100 |
| 34 | 387 | 1121 | 0.35 | 0.0557 | 0.0012 | 0.5403 | 0.0119 | 0.0704 | 0.0010 |  | 440 | 25 | 439 | 8 | 439 | 6 | 100 |
| CQ3-2(monzogranite) | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 01 | 425 | 1027 | 0.41 | 0.0584 | 0.0091 | 0.5786 | 0.0116 | 0.0719 | 0.0014 |  | 545 | 20 | 464 | 7 | 448 | 8 | 103.6 |
| 02 | 169 | 288 | 0.59 | 0.1030 | 0.0161 | 4.1097 | 0.0813 | 0.2894 | 0.0054 |  | 1679 | 16 | 1656 | 16 | 1638 | 27 | 101.1 |
| 03 | 202 | 1466 | 0.14 | 0.0551 | 0.0086 | 0.5290 | 0.0104 | 0.0697 | 0.0013 |  | 415 | 20 | 431 | 7 | 434 | 8 | 99.3 |
| 04 | 105 | 200 | 0.52 | 0.0560 | 0.0088 | 0.5581 | 0.0111 | 0.0723 | 0.0014 |  | 453 | 20 | 450 | 7 | 450 | 8 | 100.0 |
| 05.1 | 93 | 150 | 0.62 | 0.1086 | 0.017 | 4.7308 | 0.0934 | 0.3160 | 0.0059 |  | 1776 | 16 | 1773 | 17 | 1770 | 29 | 100.2 |
| 05.2 | 183 | 2301 | 0.08 | 0.0557 | 0.0088 | 0.5311 | 0.0106 | 0.0693 | 0.0013 |  | 438 | 20 | 433 | 7 | 432 | 8 | 100.2 |
| 06 | 192 | 375 | 0.51 | 0.0558 | 0.0088 | 0.5504 | 0.0111 | 0.0716 | 0.0014 |  | 443 | 20 | 445 | 7 | 446 | 8 | 99.8 |
| 07 | 383 | 982 | 0.39 | 0.0555 | 0.0088 | 0.5274 | 0.0106 | 0.0690 | 0.0013 |  | 431 | 20 | 430 | 7 | 430 | 8 | 100.0 |
| 08 | 176 | 165 | 1.07 | 0.0562 | 0.0089 | 0.5541 | 0.0113 | 0.0716 | 0.0014 |  | 459 | 20 | 448 | 7 | 446 | 8 | 100.4 |
| 09 | 140 | 1030 | 0.14 | 0.0555 | 0.0088 | 0.5272 | 0.0109 | 0.0690 | 0.0013 |  | 432 | 21 | 430 | 7 | 430 | 8 | 100.0 |
| 10 | 1127 | 1803 | 0.62 | 0.0567 | 0.0091 | 0.5608 | 0.0114 | 0.0719 | 0.0014 |  | 478 | 20 | 452 | 7 | 448 | 8 | 100.9 |
| 11 | 400 | 403 | 0.99 | 0.0556 | 0.0089 | 0.5301 | 0.0111 | 0.0693 | 0.0013 |  | 436 | 21 | 432 | 7 | 432 | 8 | 100.0 |
| 12 | 424 | 1836 | 0.23 | 0.0565 | 0.0091 | 0.5628 | 0.0115 | 0.0723 | 0.0014 |  | 473 | 20 | 453 | 7 | 450 | 8 | 100.7 |
| 13 | 101 | 1052 | 0.10 | 0.0559 | 0.009 | 0.5457 | 0.0112 | 0.0709 | 0.0014 |  | 448 | 20 | 442 | 7 | 442 | 8 | 100.0 |
| 14 | 260 | 799 | 0.33 | 0.0559 | 0.009 | 0.5607 | 0.0116 | 0.0728 | 0.0014 |  | 450 | 20 | 452 | 8 | 453 | 8 | 99.8 |
| 15 | 218 | 264 | 0.83 | 0.0561 | 0.0091 | 0.5589 | 0.0121 | 0.0724 | 0.0014 |  | 457 | 21 | 451 | 8 | 450 | 8 | 100.2 |
| 16 | 265 | 423 | 0.63 | 0.0567 | 0.0093 | 0.5663 | 0.0121 | 0.0726 | 0.0014 |  | 481 | 21 | 456 | 8 | 452 | 8 | 100.9 |
| 17 | 860 | 853 | 1.01 | 0.0558 | 0.0091 | 0.5384 | 0.0114 | 0.0701 | 0.0014 |  | 444 | 21 | 437 | 8 | 437 | 8 | 100.0 |
| 18 | 638 | 1172 | 0.54 | 0.0565 | 0.0092 | 0.5458 | 0.0120 | 0.0702 | 0.0014 |  | 472 | 22 | 442 | 8 | 437 | 8 | 101.1 |
| 19 | 329 | 302 | 1.09 | 0.0629 | 0.0103 | 0.9116 | 0.0204 | 0.1054 | 0.0021 |  | 704 | 21 | 658 | 11 | 646 | 12 | 101.9 |
| 20 | 326 | 382 | 0.86 | 0.0563 | 0.0093 | 0.5585 | 0.0120 | 0.0721 | 0.0014 |  | 463 | 21 | 451 | 8 | 449 | 8 | 100.4 |
| 21 | 520 | 382 | 1.36 | 0.0538 | 0.0089 | 0.5272 | 0.0114 | 0.0712 | 0.0014 |  | 362 | 22 | 430 | 8 | 444 | 8 | 96.8 |
| 22 | 418 | 717 | 0.58 | 0.0559 | 0.0093 | 0.5448 | 0.0117 | 0.0709 | 0.0014 |  | 447 | 21 | 442 | 8 | 441 | 8 | 100.2 |
| 23 | 518 | 1115 | 0.46 | 0.0589 | 0.0098 | 0.5782 | 0.0124 | 0.0714 | 0.0014 |  | 562 | 21 | 463 | 8 | 445 | 8 | 104.0 |
| 24 | 1134 | 1492 | 0.76 | 0.0564 | 0.0094 | 0.5633 | 0.0122 | 0.0726 | 0.0014 |  | 467 | 21 | 454 | 8 | 452 | 8 | 100.4 |
| 25 | 280 | 2076 | 0.13 | 0.0581 | 0.0097 | 0.5798 | 0.0125 | 0.0725 | 0.0014 |  | 534 | 21 | 464 | 8 | 451 | 8 | 102.9 |
| 26 | 454 | 353 | 1.29 | 0.0555 | 0.0092 | 0.5292 | 0.0118 | 0.0693 | 0.0014 |  | 432 | 22 | 431 | 8 | 432 | 8 | 99.8 |
| 27 | 11.7 | 1025 | 0.01 | 0.0550 | 0.0016 | 0.5310 | 0.0117 | 0.0701 | 0.0013 |  | 410 | 67 | 432 | 8 | 437 | 8 | 98.9 |

Table 5-3(Continued).

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| spot | Th | U | Th/U | Isotopic ratios | | | | | |  | Isotopic ages (Ma) | | | | | | Conc. |
| ppm | | 207Pb  /206Pb | ±1σ | 207Pb /235U | ±1σ | 206Pb /238U | ±1σ |  | 207Pb /206Pb | ±1σ | 207Pb /235U | ±1σ | 206Pb /238U | ±1σ | (%) |
| JX62(monzogranite) | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 01 | 279 | 761 | 0.37 | 0.0561 | 0.0008 | 0.5651 | 0.0099 | 0.0731 | 0.0010 |  | 454 | 18 | 455 | 6 | 455 | 6 | 100.0 |
| 02 | 371 | 784 | 0.47 | 0.0558 | 0.0011 | 0.5473 | 0.0115 | 0.0712 | 0.0010 |  | 443 | 23 | 443 | 8 | 443 | 6 | 100.0 |
| 03 | 417 | 790 | 0.53 | 0.0556 | 0.0032 | 0.5352 | 0.0299 | 0.0700 | 0.0015 |  | 438 | 85 | 435 | 20 | 436 | 9 | 99.8 |
| 04 | 466 | 1005 | 0.46 | 0.0560 | 0.0011 | 0.5578 | 0.0119 | 0.0723 | 0.0011 |  | 450 | 23 | 450 | 8 | 450 | 7 | 100.0 |
| 05 | 728 | 835 | 0.87 | 0.0557 | 0.0016 | 0.5424 | 0.0157 | 0.0707 | 0.0011 |  | 440 | 37 | 440 | 10 | 440 | 7 | 100.0 |
| 06 | 283 | 525 | 0.54 | 0.0560 | 0.0011 | 0.5579 | 0.0117 | 0.0723 | 0.0011 |  | 451 | 23 | 450 | 8 | 450 | 6 | 100.0 |
| 07 | 361 | 847 | 0.43 | 0.0564 | 0.0009 | 0.5852 | 0.0104 | 0.0752 | 0.0011 |  | 469 | 18 | 468 | 7 | 468 | 7 | 100.0 |
| 08 | 910 | 893 | 1.02 | 0.0558 | 0.0012 | 0.5462 | 0.0125 | 0.0711 | 0.0011 |  | 442 | 26 | 442 | 8 | 443 | 7 | 99.8 |
| 09 | 499 | 691 | 0.72 | 0.0560 | 0.0011 | 0.5580 | 0.0122 | 0.0723 | 0.0011 |  | 451 | 25 | 450 | 8 | 450 | 6 | 100.0 |
| 10 | 526 | 707 | 0.74 | 0.0561 | 0.0011 | 0.5669 | 0.0119 | 0.0733 | 0.0011 |  | 457 | 22 | 456 | 8 | 456 | 7 | 100.0 |
| 11 | 533 | 653 | 0.82 | 0.0563 | 0.0011 | 0.5793 | 0.0122 | 0.0746 | 0.0011 |  | 466 | 23 | 464 | 8 | 464 | 7 | 100.0 |
| 12 | 526 | 1056 | 0.50 | 0.0558 | 0.0012 | 0.5519 | 0.0129 | 0.0717 | 0.0012 |  | 446 | 26 | 446 | 8 | 446 | 7 | 100.0 |
| 13 | 699 | 1440 | 0.49 | 0.0560 | 0.0011 | 0.5595 | 0.0125 | 0.0725 | 0.0012 |  | 452 | 24 | 451 | 8 | 451 | 7 | 100.0 |
| 14 | 590 | 1009 | 0.58 | 0.0561 | 0.0012 | 0.5607 | 0.0122 | 0.0726 | 0.0011 |  | 454 | 25 | 452 | 8 | 452 | 6 | 100.0 |
| 15 | 532 | 1299 | 0.41 | 0.0554 | 0.0033 | 0.5554 | 0.0317 | 0.0728 | 0.0016 |  | 428 | 88 | 449 | 21 | 453 | 10 | 99.1 |
| 16 | 579 | 636 | 0.91 | 0.0627 | 0.0018 | 0.9910 | 0.0283 | 0.1147 | 0.0018 |  | 698 | 35 | 699 | 14 | 700 | 10 | 99.9 |
| 17 | 89 | 170 | 0.52 | 0.0560 | 0.0015 | 0.5594 | 0.0153 | 0.0725 | 0.0012 |  | 452 | 33 | 451 | 10 | 451 | 7 | 100.0 |
| 18 | 301 | 598 | 0.50 | 0.0564 | 0.0009 | 0.5857 | 0.0105 | 0.0753 | 0.0011 |  | 469 | 18 | 468 | 7 | 468 | 7 | 100.0 |
| 19.1 | 261 | 136 | 1.92 | 0.0576 | 0.0019 | 0.6628 | 0.0217 | 0.0835 | 0.0014 |  | 515 | 44 | 516 | 13 | 517 | 8 | 99.8 |
| 19.2 | 242 | 828 | 0.29 | 0.0559 | 0.0017 | 0.5534 | 0.0179 | 0.0718 | 0.0013 |  | 448 | 41 | 447 | 12 | 447 | 8 | 100.0 |
| 20 | 403 | 993 | 0.41 | 0.0563 | 0.0009 | 0.5765 | 0.0103 | 0.0743 | 0.0011 |  | 463 | 18 | 462 | 7 | 462 | 6 | 100.0 |
| 21 | 725 | 1162 | 0.62 | 0.0558 | 0.0018 | 0.5427 | 0.0179 | 0.0706 | 0.0012 |  | 443 | 44 | 440 | 12 | 440 | 7 | 100.0 |
| 22 | 777 | 778 | 1.00 | 0.0564 | 0.0014 | 0.5826 | 0.0151 | 0.0750 | 0.0011 |  | 467 | 32 | 466 | 10 | 466 | 7 | 100.0 |
| 23 | 340 | 787 | 0.43 | 0.0560 | 0.0009 | 0.5569 | 0.0103 | 0.0722 | 0.0011 |  | 451 | 19 | 449 | 7 | 449 | 6 | 100.0 |
| 24 | 222 | 389 | 0.57 | 0.0562 | 0.001 | 0.5700 | 0.0112 | 0.0736 | 0.0011 |  | 459 | 21 | 458 | 7 | 458 | 7 | 100.0 |
| 25 | 313 | 760 | 0.41 | 0.0564 | 0.0013 | 0.5823 | 0.0140 | 0.0750 | 0.0012 |  | 467 | 27 | 466 | 9 | 466 | 7 | 100.0 |
| 26 | 287 | 638 | 0.45 | 0.0562 | 0.001 | 0.5683 | 0.0110 | 0.0734 | 0.0011 |  | 459 | 20 | 457 | 7 | 457 | 6 | 100.0 |