表4 免渡河二长花岗岩样品LA-ICP-MS锆石U-Th-Pb分析结果

Table 4 Ziron LA-ICP-MS U-Pb data of Mianduhe monzogranite samples

| **测点号** | **含量(10-6)** | | | **232Th/238U** | **同位素比值** | | | | | | **年龄/Ma** | | | | | | **谐合度** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Pb** | **Th** | **U** | **207Pb /206Pb** | **1σ** | **207Pb /235U** | **1σ** | **206Pb /238U** | **1σ** | **207Pb /206Pb** | **1σ** | **207Pb /235U** | **1σ** | **206Pb /238U** | **1σ** |
| **二长花岗岩(3320-2)** | | | | | | | | | | | | | | | | |  |
| 1\* | 22.10 | 273.04 | 321.55 | 0.85 | 0.0959 | 0.0045 | 0.7383 | 0.0300 | 0.0561 | 0.0012 | 1547 | 87 | 561 | 18 | 352 | 7 | 54% |
| 2 | 10.17 | 163.20 | 174.91 | 0.93 | 0.0552 | 0.0053 | 0.3763 | 0.0376 | 0.0497 | 0.0019 | 420 | 215 | 324 | 28 | 313 | 12 | 96% |
| 3 | 26.51 | 688.30 | 474.06 | 1.45 | 0.0553 | 0.0020 | 0.3756 | 0.0132 | 0.0494 | 0.0005 | 433 | 83 | 324 | 10 | 311 | 3 | 95% |
| 4 | 10.58 | 173.03 | 185.00 | 0.94 | 0.0573 | 0.0038 | 0.3873 | 0.0224 | 0.0499 | 0.0009 | 502 | 146 | 332 | 16 | 314 | 6 | 94% |
| 5 | 18.85 | 334.50 | 339.30 | 0.99 | 0.0533 | 0.0033 | 0.3669 | 0.0234 | 0.0499 | 0.0007 | 343 | 141 | 317 | 17 | 314 | 4 | 98% |
| 6 | 11.39 | 224.00 | 194.75 | 1.15 | 0.0536 | 0.0038 | 0.3653 | 0.0259 | 0.0499 | 0.0011 | 354 | 157 | 316 | 19 | 314 | 7 | 99% |
| 7 | 10.77 | 155.83 | 201.01 | 0.78 | 0.0546 | 0.0026 | 0.3709 | 0.0169 | 0.0497 | 0.0006 | 395 | 107 | 320 | 13 | 313 | 4 | 97% |
| 8\* | 21.25 | 380.42 | 370.01 | 1.03 | 0.0810 | 0.0038 | 0.5411 | 0.0283 | 0.0478 | 0.0005 | 1222 | 91 | 439 | 19 | 301 | 3 | 62% |
| 9 | 23.92 | 280.79 | 458.90 | 0.61 | 0.0534 | 0.0053 | 0.3636 | 0.0336 | 0.0496 | 0.0007 | 346 | 232 | 315 | 25 | 312 | 4 | 99% |
| 10 | 14.59 | 220.84 | 277.93 | 0.79 | 0.0532 | 0.0027 | 0.3499 | 0.0162 | 0.0483 | 0.0006 | 345 | 119 | 305 | 12 | 304 | 4 | 99% |
| 11 | 16.04 | 215.28 | 308.34 | 0.70 | 0.0541 | 0.0024 | 0.3665 | 0.0162 | 0.0493 | 0.0006 | 376 | 103 | 317 | 12 | 310 | 3 | 97% |
| 12 | 12.97 | 296.96 | 223.37 | 1.33 | 0.0566 | 0.0049 | 0.3682 | 0.0309 | 0.0476 | 0.0009 | 476 | 191 | 318 | 23 | 300 | 6 | 94% |
| 13 | 22.20 | 398.60 | 415.64 | 0.96 | 0.0560 | 0.0040 | 0.3632 | 0.0243 | 0.0476 | 0.0011 | 454 | 159 | 315 | 18 | 300 | 7 | 95% |
| 14 | 40.01 | 1105.41 | 606.87 | 1.82 | 0.0555 | 0.0023 | 0.3754 | 0.0119 | 0.0494 | 0.0024 | 432 | 90 | 324 | 9 | 311 | 15 | 95% |
| 15 | 12.58 | 189.52 | 238.25 | 0.80 | 0.0528 | 0.0024 | 0.3519 | 0.0163 | 0.0484 | 0.0006 | 320 | 110 | 306 | 12 | 304 | 4 | 99% |
| 16 | 11.30 | 196.31 | 207.90 | 0.94 | 0.0532 | 0.0039 | 0.3527 | 0.0285 | 0.0480 | 0.0011 | 339 | 169 | 307 | 21 | 302 | 7 | 98% |
| 17 | 11.29 | 169.35 | 212.38 | 0.80 | 0.0529 | 0.0022 | 0.3586 | 0.0150 | 0.0493 | 0.0007 | 328 | 94 | 311 | 11 | 310 | 4 | 99% |
| 18 | 8.89 | 128.15 | 167.63 | 0.76 | 0.0539 | 0.0053 | 0.3633 | 0.0342 | 0.0493 | 0.0008 | 365 | 222 | 315 | 26 | 310 | 5 | 98% |
| 19 | 15.50 | 275.53 | 271.74 | 1.01 | 0.0562 | 0.0032 | 0.3794 | 0.0215 | 0.0493 | 0.0009 | 456 | 131 | 327 | 16 | 310 | 5 | 94% |
| 20 | 19.59 | 251.58 | 386.06 | 0.65 | 0.0537 | 0.0016 | 0.3514 | 0.0100 | 0.0479 | 0.0004 | 367 | 4 | 306 | 8 | 302 | 3 | 98% |
| **二长花岗岩(S004)** | | | | | | | | | | | | | | | | |  |
| 1 | 17.81 | 234.17 | 349.92 | 0.67 | 0.0538 | 0.0026 | 0.3634 | 0.0167 | 0.0492 | 0.0006 | 361 | 105 | 315 | 12 | 310 | 4 | 98% |
| 2 | 27.93 | 388.44 | 554.00 | 0.70 | 0.0546 | 0.0017 | 0.3625 | 0.0110 | 0.0482 | 0.0004 | 395 | 72 | 314 | 8 | 304 | 3 | 96% |
| 3 | 23.83 | 240.47 | 486.00 | 0.49 | 0.0529 | 0.0014 | 0.3602 | 0.0095 | 0.0494 | 0.0004 | 324 | 61 | 312 | 7 | 311 | 3 | 99% |
| 4 | 32.15 | 239.88 | 659.40 | 0.36 | 0.0546 | 0.0019 | 0.3685 | 0.0131 | 0.0489 | 0.0005 | 398 | 77 | 319 | 10 | 308 | 3 | 96% |
| 5 | 27.03 | 321.54 | 543.69 | 0.59 | 0.0546 | 0.0038 | 0.3731 | 0.0255 | 0.0496 | 0.0015 | 395 | 157 | 322 | 19 | 312 | 9 | 96% |
| 6 | 12.28 | 209.78 | 233.01 | 0.90 | 0.0542 | 0.0056 | 0.3541 | 0.0342 | 0.0484 | 0.0014 | 389 | 235 | 308 | 26 | 305 | 9 | 98% |
| 7 | 30.16 | 276.00 | 615.88 | 0.45 | 0.0546 | 0.0016 | 0.3674 | 0.0107 | 0.0488 | 0.0004 | 395 | 67 | 318 | 8 | 307 | 3 | 96% |
| 8 | 27.55 | 246.03 | 560.14 | 0.44 | 0.0538 | 0.0015 | 0.3653 | 0.0098 | 0.0494 | 0.0004 | 361 | 68 | 316 | 7 | 311 | 2 | 98% |
| 9 | 43.39 | 531.51 | 872.63 | 0.61 | 0.0554 | 0.0032 | 0.3671 | 0.0206 | 0.0481 | 0.0005 | 428 | 127 | 318 | 15 | 303 | 3 | 95% |
| 10 | 38.28 | 514.34 | 751.57 | 0.68 | 0.0533 | 0.0013 | 0.3593 | 0.0091 | 0.0488 | 0.0004 | 343 | 57 | 312 | 7 | 307 | 2 | 98% |
| 11 | 18.75 | 334.83 | 336.46 | 1.00 | 0.0547 | 0.0024 | 0.3695 | 0.0151 | 0.0493 | 0.0006 | 467 | 96 | 319 | 11 | 310 | 4 | 97% |
| 12 | 29.85 | 336.34 | 594.32 | 0.57 | 0.0547 | 0.0016 | 0.3701 | 0.0109 | 0.0492 | 0.0005 | 398 | 69 | 320 | 8 | 309 | 3 | 96% |
| 13 | 15.57 | 227.33 | 290.90 | 0.78 | 0.0561 | 0.0023 | 0.3804 | 0.0144 | 0.0496 | 0.0007 | 458 | 91 | 327 | 11 | 312 | 4 | 95% |
| 14 | 14.05 | 182.42 | 266.77 | 0.68 | 0.0533 | 0.0019 | 0.3617 | 0.0130 | 0.0492 | 0.0006 | 343 | 80 | 314 | 10 | 310 | 4 | 98% |
| 15 | 35.98 | 403.41 | 707.17 | 0.57 | 0.0541 | 0.0013 | 0.3683 | 0.0089 | 0.0493 | 0.0004 | 376 | 56 | 318 | 7 | 310 | 3 | 97% |
| 16 | 29.65 | 319.58 | 599.14 | 0.53 | 0.0546 | 0.0012 | 0.3663 | 0.0083 | 0.0486 | 0.0005 | 398 | 55 | 317 | 6 | 306 | 3 | 96% |
| 17 | 27.49 | 330.72 | 537.00 | 0.62 | 0.0542 | 0.0013 | 0.3681 | 0.0094 | 0.0492 | 0.0006 | 389 | 56 | 318 | 7 | 310 | 4 | 97% |
| 18 | 29.04 | 245.21 | 595.97 | 0.41 | 0.0547 | 0.0015 | 0.3673 | 0.0108 | 0.0487 | 0.0006 | 398 | 58 | 318 | 8 | 307 | 4 | 96% |
| 19 | 41.43 | 533.37 | 822.08 | 0.65 | 0.0538 | 0.0014 | 0.3614 | 0.0096 | 0.0488 | 0.0006 | 365 | 66 | 313 | 7 | 307 | 4 | 97% |
| 20 | 31.15 | 442.53 | 589.19 | 0.75 | 0.0545 | 0.0014 | 0.3685 | 0.0089 | 0.0492 | 0.0005 | 395 | 53 | 319 | 7 | 310 | 3 | 97% |
| **二长花岗岩(S013)** | | | | | | | | | | | | | | | | |  |
| 1 | 19.70 | 240.12 | 383.53 | 0.63 | 0.0550 | 0.0022 | 0.3668 | 0.0146 | 0.0483 | 0.0006 | 413 | 87 | 317 | 11 | 304 | 4 | 95% |
| 2 | 36.82 | 655.84 | 653.57 | 1.00 | 0.0540 | 0.0013 | 0.3634 | 0.0083 | 0.0489 | 0.0004 | 372 | 58 | 315 | 6 | 308 | 2 | 97% |
| 3 | 32.41 | 582.79 | 586.26 | 0.99 | 0.0537 | 0.0011 | 0.3598 | 0.0069 | 0.0487 | 0.0004 | 367 | 48 | 312 | 5 | 307 | 2 | 98% |
| 4\* | 25.19 | 437.68 | 359.93 | 1.22 | 0.1020 | 0.0046 | 0.7446 | 0.0349 | 0.0528 | 0.0007 | 1661 | 83 | 565 | 20 | 332 | 4 | 47% |
| 5 | 16.34 | 342.43 | 284.59 | 1.20 | 0.0543 | 0.0021 | 0.3643 | 0.0150 | 0.0486 | 0.0007 | 383 | 89 | 315 | 11 | 306 | 5 | 96% |
| 6 | 15.32 | 211.29 | 293.06 | 0.72 | 0.0554 | 0.0022 | 0.3733 | 0.0147 | 0.0489 | 0.0005 | 428 | 89 | 322 | 11 | 308 | 3 | 95% |
| 7 | 28.08 | 545.59 | 478.84 | 1.14 | 0.0540 | 0.0024 | 0.3742 | 0.0155 | 0.0506 | 0.0008 | 372 | 69 | 323 | 12 | 318 | 5 | 98% |
| 8 | 18.63 | 218.99 | 367.71 | 0.60 | 0.0542 | 0.0017 | 0.3700 | 0.0121 | 0.0496 | 0.0005 | 376 | 75 | 320 | 9 | 312 | 3 | 97% |
| 9 | 17.58 | 396.25 | 303.85 | 1.30 | 0.0537 | 0.0018 | 0.3583 | 0.0116 | 0.0486 | 0.0005 | 367 | 74 | 311 | 9 | 306 | 3 | 98% |
| 10\* | 27.82 | 373.31 | 400.11 | 0.93 | 0.1235 | 0.0052 | 0.9031 | 0.0402 | 0.0526 | 0.0005 | 2007 | 74 | 653 | 22 | 331 | 3 | 34% |
| 11\* | 30.18 | 499.45 | 536.30 | 0.93 | 0.0733 | 0.0028 | 0.4862 | 0.0198 | 0.0478 | 0.0005 | 1033 | 78 | 402 | 14 | 301 | 3 | 71% |
| 12 | 21.36 | 442.84 | 375.03 | 1.18 | 0.0522 | 0.0023 | 0.3483 | 0.0162 | 0.0481 | 0.0005 | 295 | 102 | 303 | 12 | 303 | 3 | 99% |
| 13 | 16.25 | 217.62 | 307.97 | 0.71 | 0.0550 | 0.0126 | 0.3666 | 0.0823 | 0.0488 | 0.0013 | 413 | 442 | 317 | 61 | 307 | 8 | 96% |
| 14 | 8.03 | 157.91 | 140.72 | 1.12 | 0.0541 | 0.0028 | 0.3596 | 0.0174 | 0.0489 | 0.0007 | 376 | 117 | 312 | 13 | 308 | 5 | 98% |
| 15 | 35.73 | 657.97 | 637.40 | 1.03 | 0.0537 | 0.0015 | 0.3621 | 0.0101 | 0.0489 | 0.0005 | 367 | 61 | 314 | 8 | 308 | 3 | 98% |
| 16 | 25.23 | 390.59 | 464.45 | 0.84 | 0.0525 | 0.0022 | 0.3522 | 0.0145 | 0.0485 | 0.0005 | 309 | 93 | 306 | 11 | 306 | 3 | 99% |
| 17 | 26.00 | 331.06 | 497.62 | 0.67 | 0.0530 | 0.0022 | 0.3528 | 0.0139 | 0.0484 | 0.0005 | 328 | 93 | 307 | 10 | 305 | 3 | 99% |
| 18 | 5.44 | 87.23 | 95.06 | 0.92 | 0.0537 | 0.0039 | 0.3597 | 0.0251 | 0.0493 | 0.0009 | 367 | 168 | 312 | 19 | 310 | 6 | 99% |
| 19\* | 29.48 | 422.84 | 541.91 | 0.78 | 0.0729 | 0.0025 | 0.4686 | 0.0157 | 0.0466 | 0.0005 | 1013 | 70 | 390 | 11 | 294 | 3 | 71% |
| 20\* | 3.80 | 50.14 | 54.77 | 0.92 | 0.1273 | 0.0071 | 0.8785 | 0.0509 | 0.0498 | 0.0010 | 2061 | 103 | 640 | 28 | 314 | 6 | 31% |

注：\*为调谐度太大剔除样品

表5免渡河二长花岗岩样品锆石Hf同位素特征

Table 5 Ziron Hf isotopic data of Mianduhe monzogranite samples

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **样品号** | **T/(Ma)** | **176Yb/**177**Hf** | **176Lu/**177**Hf** | **176Hf/**177**Hf** | **176Hf/**177**Hf(corr)** | **2**m | **ε**Hf**(0)** | **ε**Hf(t) | **2s** | **T**DM1**(Hf)** | **T**DM2(Hf) | **f**Lu/Hf |
| 3320-2-01 | 352 | 0.022837 | 0.001025 | 0.282835 | 0.282839 | 0.000020 | 2.4 | 9.9 | 0.7 | 586 | 679 | -0.97 |
| 3320-2-02 | 312 | 0.030943 | 0.001318 | 0.282826 | 0.282829 | 0.000022 | 2.0 | 8.6 | 0.8 | 604 | 716 | -0.96 |
| 3320-2-03 | 311 | 0.031813 | 0.001382 | 0.282861 | 0.282865 | 0.000020 | 3.3 | 9.8 | 0.7 | 554 | 647 | -0.96 |
| 3320-2-04 | 314 | 0.025797 | 0.001210 | 0.282805 | 0.282808 | 0.000019 | 1.3 | 7.9 | 0.7 | 632 | 755 | -0.96 |
| 3320-2-05 | 314 | 0.030959 | 0.001313 | 0.282821 | 0.282825 | 0.000026 | 1.9 | 8.5 | 0.9 | 611 | 725 | -0.96 |
| 3320-2-06 | 314 | 0.025292 | 0.001126 | 0.282829 | 0.282833 | 0.000020 | 2.1 | 8.8 | 0.7 | 596 | 707 | -0.97 |
| 3320-2-07 | 313 | 0.024464 | 0.001106 | 0.282859 | 0.282862 | 0.000019 | 3.2 | 9.8 | 0.7 | 554 | 648 | -0.97 |
| 3320-2-08 | 301 | 0.023693 | 0.001041 | 0.282831 | 0.282835 | 0.000037 | 2.2 | 8.6 | 1.3 | 592 | 706 | -0.97 |
| 3320-2-09 | 312 | 0.018910 | 0.000894 | 0.282887 | 0.282891 | 0.000021 | 4.2 | 10.9 | 0.8 | 511 | 590 | -0.97 |
| 3320-2-10 | 304 | 0.024409 | 0.001070 | 0.282840 | 0.282844 | 0.000020 | 2.5 | 9.0 | 0.7 | 580 | 688 | -0.97 |
| 3320-2-11 | 310 | 0.025289 | 0.001128 | 0.282836 | 0.282840 | 0.000019 | 2.4 | 9.0 | 0.7 | 587 | 694 | -0.97 |
| 3320-2-12 | 300 | 0.024394 | 0.001113 | 0.282874 | 0.282878 | 0.000020 | 3.7 | 10.1 | 0.7 | 532 | 623 | -0.97 |
| 3320-2-13 | 300 | 0.026618 | 0.001182 | 0.282888 | 0.282891 | 0.000020 | 4.2 | 10.6 | 0.7 | 514 | 597 | -0.96 |
| 3320-2-14 | 311 | 0.027473 | 0.001276 | 0.282908 | 0.282911 | 0.000020 | 4.9 | 11.5 | 0.7 | 486 | 554 | -0.96 |
| 3320-2-15 | 304 | 0.021189 | 0.000956 | 0.282811 | 0.282815 | 0.000019 | 1.5 | 8.0 | 0.7 | 619 | 744 | -0.97 |
| 3320-2-16 | 302 | 0.024610 | 0.001069 | 0.282837 | 0.282840 | 0.000024 | 2.4 | 8.8 | 0.9 | 585 | 696 | -0.97 |
| 3320-2-17 | 310 | 0.017875 | 0.000789 | 0.282832 | 0.282836 | 0.000021 | 2.3 | 8.9 | 0.8 | 587 | 698 | -0.98 |
| 3320-2-18 | 310 | 0.026977 | 0.001177 | 0.282840 | 0.282844 | 0.000020 | 2.5 | 9.1 | 0.7 | 582 | 687 | -0.96 |
| 3320-2-19 | 310 | 0.029184 | 0.001257 | 0.282807 | 0.282810 | 0.000021 | 1.4 | 7.9 | 0.8 | 630 | 754 | -0.96 |
| 3320-2-20 | 302 | 0.020651 | 0.000953 | 0.282828 | 0.282832 | 0.000018 | 2.1 | 8.6 | 0.6 | 595 | 711 | -0.97 |
| S004-01 | 309 | 0.029048 | 0.001298 | 0.282831 | 0.282835 | 0.000023 | 2.2 | 8.8 | 0.8 | 596 | 706 | -0.96 |
| S004-02 | 303 | 0.037727 | 0.001710 | 0.282923 | 0.282926 | 0.000025 | 5.5 | 11.8 | 0.9 | 471 | 532 | -0.95 |
| S004-03 | 311 | 0.053032 | 0.002270 | 0.282892 | 0.282895 | 0.000026 | 4.4 | 10.7 | 0.9 | 523 | 597 | -0.93 |
| S004-04 | 308 | 0.025474 | 0.001159 | 0.282811 | 0.282815 | 0.000024 | 1.5 | 8.1 | 0.9 | 622 | 744 | -0.97 |
| S004-05 | 312 | 0.034242 | 0.001474 | 0.282873 | 0.282876 | 0.000021 | 3.7 | 10.2 | 0.7 | 540 | 625 | -0.96 |
| S004-06 | 305 | 0.036054 | 0.001661 | 0.282842 | 0.282845 | 0.000019 | 2.6 | 9.0 | 0.7 | 587 | 691 | -0.95 |
| S004-07 | 307 | 0.031124 | 0.001401 | 0.282885 | 0.282889 | 0.000024 | 4.1 | 10.6 | 0.9 | 521 | 602 | -0.96 |
| S004-08 | 311 | 0.036079 | 0.001617 | 0.282862 | 0.282865 | 0.000023 | 3.3 | 9.8 | 0.8 | 557 | 649 | -0.95 |
| S004-09 | 303 | 0.035277 | 0.001585 | 0.282848 | 0.282852 | 0.000018 | 2.8 | 9.2 | 0.6 | 576 | 678 | -0.95 |
| S004-10 | 307 | 0.034618 | 0.001500 | 0.282867 | 0.282870 | 0.000020 | 3.5 | 9.9 | 0.7 | 548 | 639 | -0.95 |
| S004-11 | 310 | 0.028722 | 0.001263 | 0.282802 | 0.282805 | 0.000024 | 1.2 | 7.7 | 0.8 | 638 | 764 | -0.96 |
| S004-12 | 309 | 0.031076 | 0.001401 | 0.282864 | 0.282868 | 0.000020 | 3.4 | 9.9 | 0.7 | 550 | 642 | -0.96 |
| S004-13 | 312 | 0.048932 | 0.002058 | 0.282939 | 0.282942 | 0.000024 | 6.0 | 12.5 | 0.9 | 451 | 501 | -0.94 |
| S004-14 | 310 | 0.028267 | 0.001311 | 0.282838 | 0.282841 | 0.000022 | 2.4 | 9.0 | 0.8 | 587 | 694 | -0.96 |
| S004-15 | 310 | 0.035573 | 0.001584 | 0.282866 | 0.282870 | 0.000023 | 3.5 | 9.9 | 0.8 | 551 | 640 | -0.95 |
| S004-16 | 306 | 0.029830 | 0.001329 | 0.282842 | 0.282845 | 0.000023 | 2.6 | 9.0 | 0.8 | 582 | 687 | -0.96 |
| S004-17 | 310 | 0.053139 | 0.002241 | 0.282876 | 0.282880 | 0.000024 | 3.8 | 10.2 | 0.9 | 545 | 628 | -0.93 |
| S004-18 | 307 | 0.034196 | 0.001586 | 0.282872 | 0.282876 | 0.000024 | 3.7 | 10.1 | 0.8 | 542 | 629 | -0.95 |
| S004-19 | 307 | 0.051851 | 0.002190 | 0.282868 | 0.282871 | 0.000024 | 3.5 | 9.8 | 0.8 | 557 | 645 | -0.93 |
| S004-20 | 310 | 0.038647 | 0.001652 | 0.282818 | 0.282822 | 0.000021 | 1.8 | 8.2 | 0.7 | 620 | 735 | -0.95 |
| S013-01 | 304 | 0.040932 | 0.001620 | 0.282932 | 0.282935 | 0.000022 | 5.8 | 12.1 | 0.8 | 457 | 513 | -0.95 |
| S013-02 | 308 | 0.027633 | 0.001350 | 0.282887 | 0.282890 | 0.000020 | 4.2 | 10.7 | 0.7 | 517 | 598 | -0.96 |
| S013-03 | 307 | 0.027882 | 0.001412 | 0.282897 | 0.282900 | 0.000020 | 4.5 | 11.0 | 0.7 | 504 | 579 | -0.96 |
| S013-04 | 331 | 0.049617 | 0.002092 | 0.282842 | 0.282845 | 0.000022 | 2.6 | 9.4 | 0.8 | 594 | 686 | -0.94 |
| S013-05 | 306 | 0.028215 | 0.001262 | 0.282879 | 0.282883 | 0.000024 | 3.9 | 10.4 | 0.9 | 527 | 613 | -0.96 |
| S013-06 | 308 | 0.026130 | 0.001116 | 0.282846 | 0.282850 | 0.000022 | 2.7 | 9.3 | 0.8 | 572 | 675 | -0.97 |
| S013-07 | 318 | 0.039540 | 0.001745 | 0.282883 | 0.282887 | 0.000026 | 4.1 | 10.7 | 0.9 | 528 | 606 | -0.95 |
| S013-08 | 312 | 0.023838 | 0.001113 | 0.282826 | 0.282830 | 0.000021 | 2.1 | 8.7 | 0.8 | 600 | 712 | -0.97 |
| S013-09 | 306 | 0.039898 | 0.001666 | 0.282915 | 0.282919 | 0.000025 | 5.2 | 11.6 | 0.9 | 481 | 546 | -0.95 |
| S013-10 | 331 | 0.018593 | 0.000968 | 0.282878 | 0.282882 | 0.000020 | 3.9 | 11.0 | 0.7 | 524 | 601 | -0.97 |
| S013-11 | 301 | 0.022917 | 0.001085 | 0.282877 | 0.282881 | 0.000031 | 3.8 | 10.3 | 1.1 | 528 | 616 | -0.97 |
| S013-12 | 303 | 0.036549 | 0.001412 | 0.282850 | 0.282853 | 0.000025 | 2.9 | 9.3 | 0.9 | 571 | 673 | -0.96 |
| S013-13 | 307 | 0.027913 | 0.001334 | 0.282887 | 0.282891 | 0.000020 | 4.2 | 10.7 | 0.7 | 516 | 597 | -0.96 |
| S013-14 | 308 | 0.047347 | 0.001865 | 0.282911 | 0.282914 | 0.000028 | 5.0 | 11.4 | 1.0 | 490 | 556 | -0.94 |
| S013-15 | 308 | 0.051029 | 0.002289 | 0.282870 | 0.282874 | 0.000025 | 3.6 | 9.9 | 0.9 | 555 | 640 | -0.93 |
| S013-16 | 306 | 0.031273 | 0.001474 | 0.282876 | 0.282880 | 0.000020 | 3.8 | 10.2 | 0.7 | 534 | 620 | -0.96 |
| S013-17 | 305 | 0.025162 | 0.001372 | 0.282865 | 0.282868 | 0.000020 | 3.4 | 9.8 | 0.7 | 549 | 642 | -0.96 |
| S013-18 | 310 | 0.031291 | 0.001376 | 0.282867 | 0.282870 | 0.000026 | 3.5 | 10.0 | 0.9 | 547 | 637 | -0.96 |
| S013-19 | 294 | 0.016397 | 0.000777 | 0.282874 | 0.282878 | 0.000019 | 3.7 | 100 | 0.7 | 527 | 621 | -0.98 |
| S013-20 | 314 | 0.026901 | 0.001083 | 0.282907 | 0.282910 | 0.000027 | 4.9 | 11.6 | 0.9 | 485 | 553 | -0.97 |