***Appendix Table 2.*** *LA-ICP-Ms U-Pb isotopic data from the analysed zircons.*

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Spot** | **Pb (ppm)** | **U (ppm)** | **Th** | **238U206Pb** | **2****)** | **207Pb206Pb** | **2****)** | **error** **corr.** | **206Pb238UAge** | **2****(Ma)** | **207Pb235UAge** | **2****(Ma)** | **207Pb206PbAge** | **2****(Ma)** | **Conc. (%)** |
| 20 | 331 | 855 | 376 | 21.71553 | 0.2735072 | 0.0513 | 0.0015 | 0.10764 | 290.2 | 3.6 | 279.5 | 7.1 | 264 | 63 | 104 |
| 29 | 365 | 819 | 409 | 21.60761 | 0.1867555 | 0.05198 | 0.00094 | 0.077733 | 291.6 | 2.5 | 296 | 5.5 | 280 | 40 | 99 |
| 14 | 236.8 | 785 | 267.2 | 21.41328 | 0.2934582 | 0.05 | 0.0012 | 0.18527 | 294.2 | 3.9 | 277.7 | 6.3 | 205 | 53 | 106 |
| 9 | 251 | 849 | 278 | 21.30379 | 0.2087717 | 0.0523 | 0.001 | 0.2747 | 295.7 | 2.8 | 295.3 | 4.9 | 290 | 43 | 100 |
| 16 | 211.8 | 755 | 243.4 | 21.17747 | 0.2376971 | 0.0508 | 0.0011 | 0.097602 | 297.4 | 3.3 | 285.9 | 6.7 | 229 | 50 | 104 |
| 4 | 469 | 1303 | 528 | 21.14165 | 0.8045448 | 0.0546 | 0.0019 | 0.39545 | 298 | 11 | 307 | 11 | 395 | 79 | 97 |
| 8 | 228.7 | 767 | 250 | 21.1015 | 0.2137311 | 0.05116 | 0.00092 | 0.22236 | 298.4 | 3 | 291.6 | 4.6 | 243 | 39 | 102 |
| 22 | 288 | 881 | 323 | 21.05706 | 0.208398 | 0.0523 | 0.0013 | 0.21441 | 299.1 | 2.9 | 304.4 | 6.5 | 293 | 54 | 98 |
| 7 | 147.9 | 469 | 169.4 | 21.06150 | 0.2838955 | 0.0539 | 0.0019 | 0.049184 | 299.4 | 4 | 308.3 | 9.2 | 351 | 76 | 97 |
| 21 | 189.1 | 688.9 | 203.9 | 20.95118 | 0.1887494 | 0.0516 | 0.001 | 0.20811 | 300.6 | 2.6 | 292.8 | 5 | 270 | 44 | 103 |
| 12 | 212 | 656 | 243 | 20.85071 | 0.2304186 | 0.0526 | 0.0014 | 0.30844 | 302 | 3.3 | 299.3 | 6.4 | 298 | 58 | 101 |
| 10 | 149.4 | 604 | 167.1 | 20.62706 | 0.3233615 | 0.0523 | 0.0015 | 0.14933 | 305.1 | 4.7 | 302.2 | 7.6 | 287 | 61 | 101 |
| 11 | 122.8 | 426.3 | 129.6 | 20.59732 | 0.2036399 | 0.0529 | 0.0012 | 0.2542 | 305.6 | 2.9 | 304.3 | 6.1 | 316 | 48 | 100 |
| 27 | 375 | 1085 | 427 | 20.58037 | 0.2117757 | 0.0529 | 0.001 | 0.2126 | 305.8 | 3.1 | 315.2 | 5.7 | 318 | 44 | 97 |
| 23 | 379 | 1186 | 431 | 20.5381 | 0.3247964 | 0.052 | 0.0012 | 0.14675 | 306.4 | 4.7 | 312.9 | 6.9 | 277 | 54 | 98 |
| 25 | 221.6 | 821 | 257.1 | 20.56344 | 0.2452559 | 0.0529 | 0.0014 | 0.15206 | 306.4 | 3.5 | 316.6 | 7.6 | 310 | 59 | 97 |
| 5 | 249 | 780 | 280 | 20.51282 | 0.2650888 | 0.0528 | 0.0012 | -0.073303 | 306.8 | 3.8 | 307 | 7.2 | 309 | 50 | 100 |
| 6 | 249.8 | 708 | 279.7 | 20.47921 | 0.2600269 | 0.0529 | 0.0013 | 0.15623 | 307.3 | 3.8 | 307.5 | 7 | 313 | 55 | 100 |
| 1 | 281 | 756 | 317 | 20.4499 | 0.246737 | 0.053 | 0.0012 | -0.042525 | 307.7 | 3.6 | 310.1 | 6.9 | 341 | 51 | 99 |
| 24 | 294 | 946 | 328 | 20.44572 | 0.2173742 | 0.0533 | 0.0012 | 0.12481 | 307.8 | 3.2 | 319.8 | 6.3 | 347 | 51 | 96 |
| 3 | 355 | 1032 | 424 | 20.4499 | 0.5854776 | 0.0528 | 0.002 | 0.019046 | 307.9 | 8.7 | 309 | 12 | 309 | 84 | 100 |
| 28 | 234 | 555 | 262 | 20.12882 | 0.3160323 | 0.0552 | 0.0017 | 0.30642 | 312.5 | 4.8 | 337.9 | 9.2 | 424 | 60 | 92 |
| 2 | 112.1 | 419 | 121.3 | 19.73554 | 0.2375899 | 0.0521 | 0.0016 | 0.25191 | 318.9 | 3.8 | 315.1 | 8.2 | 274 | 64 | 101 |
| 6 | 217.5 | 696 | 188.5 | 17.37016 | 0.2655157 | 0.0558 | 0.0015 | 0.16814 | 360.8 | 5.4 | 373.5 | 8.3 | 433 | 62 | 97 |
| *13* | *196.3* | *733* | *225.5* | *31.48615* | *0.396551* | *0.0529* | *0.0016* | *0.16186* | *201.6* | *2.5* | *221* | *6.5* | *319* | *68* | *91* |
| *15* | *254* | *702* | *295* | *31.19152* | *0.6518501* | *0.0495* | *0.0021* | *0.13613* | *203.4* | *4.2* | *209.5* | *9.2* | *162* | *86* | *97* |
| *17* | *300* | *728* | *354* | *31.70577* | *0.6031535* | *0.0514* | *0.0016* | *0.04757* | *200.6* | *3.8* | *211.9* | *6.5* | *251* | *67* | *95* |
| *18* | *337* | *972* | *372* | *31.87759* | *0.4369577* | *0.05181* | *0.00082* | *-0.02826* | *199.1* | *2.7* | *220.5* | *4.4* | *264* | *35* | *90* |
| *19* | *239* | *671* | *250* | *34.79471* | *0.5932292* | *0.0543* | *0.0017* | *0.28973* | *182.6* | *3.1* | *216.7* | *5.8* | *352* | *64* | *84* |
| *26* | *299* | *924* | *339* | *28.1294* | *0.3560683* | *0.0533* | *0.0012* | *0.070586* | *225.2* | *2.8* | *251.1* | *6.1* | *322* | *51* | *90* |