**Table 2: Zircon U-Th-Pb LA-ICP-MS analytical data from the Purrido formation sample G03-8.**

| | | | | | | | | | | | | | | Age (Ma) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| grain | L-No. | $^{207}Pb$[a] (cps) | U[b] (ppm) | Pb[b] (ppm) | Th[b] U | $^{206}Pb/^{204}Pb$ | $^{206}Pb/^{238}U$[c] | ±2σ (%) | $^{207}Pb/^{235}U$[c] | ±2σ (%) | $^{207}Pb/^{206}Pb$[c] | ±2σ (%) | Rho[d] | $^{206}Pb/^{238}U$ | ±2σ | $^{207}Pb/^{235}U$ | ±2σ | $^{207}Pb/^{206}Pb$[c] | ±2σ | conc[e] (%) |
| 2 | a-2 | 814 | 50 | 8.0 | 0.33 | 2219 | 0.1491 | 2.1 | 1.514 | 6.3 | 0.07365 | 6.0 | 0.33 | 896 | 18 | 936 | 39 | 1032 | 120 | 87 |
| 3 | a-4 | 27252 | 573 | 175 | 0.24 | 51918 | 0.2892 | 2.3 | 3.952 | 2.6 | 0.09912 | 1.1 | 0.90 | 1637 | 34 | 1624 | 21 | 1608 | 21 | 102 |
| 3 | a-5 | 4654 | 99 | 30 | 0.28 | 987 | 0.2879 | 2.2 | 3.939 | 3.1 | 0.09925 | 2.2 | 0.70 | 1631 | 32 | 1622 | 26 | 1610 | 41 | 101 |
| 4 | a-6 | 6694 | 161 | 45 | 0.24 | 2283 | 0.2688 | 1.6 | 3.479 | 2.7 | 0.09389 | 2.1 | 0.61 | 1535 | 22 | 1523 | 21 | 1506 | 40 | 102 |
| 4 | a-7 | 11750 | 520 | 89 | 0.04 | 5600 | 0.1797 | 1.7 | 2.084 | 2.2 | 0.08411 | 1.5 | 0.76 | 1065 | 17 | 1143 | 16 | 1295 | 29 | 82 |
| 5 | a-8 | 3315 | 133 | 27 | 0.27 | 7360 | 0.1904 | 1.8 | 2.068 | 3.2 | 0.07875 | 2.6 | 0.58 | 1124 | 19 | 1138 | 22 | 1166 | 51 | 96 |
| 5 | a-9 | 7352 | 467 | 67 | 0.07 | 5867 | 0.1482 | 1.9 | 1.494 | 2.5 | 0.07310 | 1.7 | 0.74 | 891 | 16 | 928 | 15 | 1017 | 34 | 88 |
| 6 | a-10 | 902 | 148 | 12 | 0.50 | 1202 | 0.0705 | 2.1 | 0.5451 | 4.9 | 0.05605 | 4.4 | 0.42 | 439 | 16 | 442 | 18 | 454 | 99 | 97 |
| 6 | a-11 | 828 | 128 | 10 | 0.56 | 2990 | 0.0663 | 3.4 | 0.5012 | 5.8 | 0.05487 | 4.8 | 0.58 | 414 | 16 | 413 | 20 | 407 | 106 | 102 |
| 7 | a-12 | 3964 | 152 | 34 | 0.22 | 9890 | 0.2184 | 1.4 | 2.408 | 2.7 | 0.07995 | 2.3 | 0.52 | 1274 | 16 | 1245 | 19 | 1196 | 45 | 107 |
| 7 | a-13 | 5822 | 272 | 47 | 0.14 | 4747 | 0.1716 | 2.0 | 1.876 | 2.7 | 0.07928 | 1.9 | 0.72 | 1021 | 16 | 1073 | 18 | 1179 | 37 | 87 |
| 8 | a-14 | 714 | 126 | 9.2 | 0.54 | 1539 | 0.0635 | 2.6 | 0.4620 | 5.5 | 0.05280 | 4.8 | 0.47 | 397 | 16 | 386 | 18 | 320 | 110 | 124 |
| 9 | a-16 | 1889 | 236 | 17 | 0.07 | 734 | 0.0722 | 3.0 | 0.6594 | 4.8 | 0.06622 | 3.8 | 0.62 | 450 | 16 | 514 | 20 | 813 | 79 | 55 |
| 11 | a-17 | 7307 | 150 | 37 | 0.14 | 2818 | 0.2405 | 3.4 | 3.165 | 4.0 | 0.09544 | 2.0 | 0.87 | 1389 | 16 | 1449 | 31 | 1537 | 37 | 90 |
| 11 | a-18 | 11279 | 303 | 82 | 0.18 | 9513 | 0.2627 | 1.8 | 3.529 | 2.3 | 0.09741 | 1.5 | 0.75 | 1504 | 16 | 1534 | 19 | 1575 | 29 | 95 |
| 12 | a-19 | 4838 | 122 | 34 | 0.60 | 10900 | 0.2366 | 2.8 | 2.824 | 3.9 | 0.08657 | 2.6 | 0.73 | 1369 | 16 | 1362 | 29 | 1351 | 51 | 101 |
| 13 | a-20 | 6954 | 220 | 53 | 0.56 | 3142 | 0.2014 | 1.9 | 2.183 | 2.8 | 0.07861 | 2.1 | 0.67 | 1183 | 16 | 1176 | 20 | 1162 | 42 | 102 |
| 13 | a-21 | 9044 | 520 | 63 | 0.02 | 24359 | 0.1286 | 2.6 | 1.289 | 3.0 | 0.07266 | 1.6 | 0.85 | 780 | 16 | 841 | 18 | 1004 | 33 | 78 |
| 13 | a-22 | 2548 | 111 | 20 | 0.24 | 1091 | 0.1678 | 1.9 | 1.810 | 3.7 | 0.07822 | 3.2 | 0.50 | 1000 | 16 | 1049 | 24 | 1152 | 63 | 87 |
| 14 | a-23 | 8700 | 461 | 85 | 0.26 | 9857 | 0.1735 | 1.6 | 1.901 | 2.3 | 0.07944 | 1.7 | 0.68 | 1031 | 16 | 1081 | 16 | 1183 | 34 | 87 |
| 15 | a-25 | 6631 | 180 | 35 | 0.20 | 17120 | 0.1918 | 3.1 | 2.051 | 3.6 | 0.07755 | 1.8 | 0.87 | 1131 | 16 | 1132 | 25 | 1135 | 35 | 100 |
| 16 | a-26 | 1548 | 89 | 16 | 0.26 | 1082 | 0.1656 | 1.9 | 1.825 | 4.4 | 0.07992 | 4.0 | 0.42 | 988 | 16 | 1054 | 30 | 1195 | 80 | 83 |
| 16 | a-27 | 6678 | 180 | 35 | 0.20 | 17216 | 0.1919 | 3.1 | 2.052 | 3.5 | 0.07754 | 1.7 | 0.88 | 1132 | 16 | 1133 | 24 | 1135 | 33 | 100 |
| 17 | a-28 | 673 | 71 | 6.3 | 0.05 | 272 | 0.0920 | 3.8 | 0.9101 | 6.2 | 0.07175 | 5.0 | 0.60 | 567 | 16 | 657 | 31 | 979 | 102 | 58 |
| 18 | a-29 | 2100 | 276 | 18 | 0.07 | 2178 | 0.0642 | 2.7 | 0.5913 | 3.9 | 0.06678 | 2.8 | 0.68 | 401 | 16 | 472 | 15 | 831 | 59 | 48 |
| 19 | a-30 | 18190 | 686 | 146 | 0.10 | 44506 | 0.2169 | 2.0 | 2.440 | 2.3 | 0.08158 | 1.3 | 0.84 | 1265 | 16 | 1254 | 17 | 1236 | 25 | 102 |
| 19 | a-31 | 3599 | 118 | 27 | 0.20 | 5703 | 0.2199 | 1.7 | 2.512 | 2.7 | 0.08287 | 2.1 | 0.63 | 1281 | 16 | 1276 | 19 | 1266 | 40 | 101 |
| 21 | a-32 | 10118 | 387 | 76 | 0.14 | 6064 | 0.1967 | 1.8 | 2.117 | 2.4 | 0.07807 | 1.7 | 0.72 | 1158 | 16 | 1154 | 17 | 1149 | 33 | 101 |
| 21 | a-33 | 3669 | 139 | 31 | 0.26 | 9030 | 0.2113 | 1.6 | 2.358 | 3.0 | 0.08092 | 2.5 | 0.54 | 1236 | 16 | 1230 | 22 | 1220 | 50 | 101 |
| 22 | a-36 | 24769 | 1877 | 196 | 0.15 | 3065 | 0.1015 | 2.3 | 1.079 | 2.6 | 0.07708 | 1.2 | 0.88 | 623 | 16 | 743 | 14 | 1123 | 25 | 55 |
| 23 | a-37 | 48271 | 1707 | 310 | 0.06 | 37894 | 0.1898 | 1.9 | 2.040 | 2.1 | 0.07793 | 0.8 | 0.91 | 1121 | 16 | 1129 | 14 | 1145 | 17 | 98 |
| 23 | a-38 | 23896 | 1789 | 200 | 0.24 | 10979 | 0.1160 | 1.8 | 1.243 | 2.2 | 0.07771 | 1.1 | 0.85 | 707 | 16 | 820 | 12 | 1140 | 22 | 62 |
| 24 | a-39 | 1745 | 290 | 20 | 0.30 | 1907 | 0.0660 | 1.7 | 0.518 | 3.6 | 0.05689 | 3.2 | 0.47 | 412 | 16 | 424 | 13 | 487 | 71 | 85 |
| Plesov.[f] | | 15255 | 628 | 32 | 0.11 | 20120 | 0.0539 | 1.3 | 0.394 | 1.5 | 0.05307 | 0.7 | 0.88 | 338 | 4 | 337 | 4 | 337 | 6 | |

Diameter of laser spot = 20µm; depth of crater 10-15 µm.

[a] Within run background-corrected mean $^{207}Pb$ signal in counts per second.

[b] U and Pb content and Th/U ratio were calculated relative to GJ-1 reference (LA-ICP-MS values, Gerdes, unpublished).

[c] Corrected for background, common Pb and within-run Pb/U fractionation and subsequently normalised to GJ-1 (ID-TIMS value/measured value).
$^{207}Pb/^{235}U$ calculated using $^{207}Pb/^{206}Pb/(^{238}U/^{206}Pbx1/137.88)$. Uncertainties propagated following Gerdes and Zeh (2006, 2009).

[d] Rho is the error correlation defined as $err^{206}Pb/^{238}U/err^{207}Pb/^{235}U$.

[e] Percent concordance = $^{206}Pb/^{238}U$ age / $^{207}Pb/^{206}Pb$ age x 100.

[f] mean (n = 12) ± 2standard deviation of Plesovice reference zircon (cf. Slama et al., 2008, Chemical Geology, 249, 1-35).