**GEOLOGICAL MAGAZINE**

**Detrital zircon U–Pb ages and Hf isotopic composition of the Ordovician Duguer quartz schist, central Tibetan Plateau: constraints on tectonic affinity and sedimentary source regions**

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Supplementary Table S2. Hf isotopic compositions of zircons of Duguer quartz schist from the South Qiangtang terrane, Tibet.

| Spot | Age(Ma) | 176Hf/177Hf | 1σ | 176Lu/177Hf | 1σ | 176Yb/177Hf | 1σ | εHf(0) | 1σ | εHf(t) | 1σ | TDM(Ma) | TDMC(Ma) | fLu/Hf |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| T3-01 | 981 | 0.281582 | 0.000009 | 0.001119 | 0.000018 | 0.022313 | 0.000427 | -42.09 | 0.60 | -21.17 | 0.67 | 2344.6 | 2877.1 | -0.97 |
| T3-02 | 627 | 0.282074 | 0.000010 | 0.000668 | 0.000059 | 0.015565 | 0.001236 | -24.68 | 0.62 | -11.14 | 0.67 | 1643.6 | 2057.5 | -0.98 |
| T3-03 | 994 | 0.280861 | 0.000010 | 0.000735 | 0.000024 | 0.018899 | 0.000632 | -67.60 | 0.62 | -46.19 | 0.69 | 3294.5 | 4225.7 | -0.98 |
| T3-04 | 1095 | 0.282418 | 0.000009 | 0.000521 | 0.000003 | 0.012221 | 0.000095 | -12.50 | 0.60 | 11.39 | 0.67 | 1163.2 | 1191.3 | -0.98 |
| T3-05 | 553 | 0.281524 | 0.000018 | 0.001040 | 0.000019 | 0.024521 | 0.000333 | -44.12 | 0.82 | -32.36 | 0.85 | 2418.6 | 3152.6 | -0.97 |
| T3-06 | 821 | 0.281163 | 0.000010 | 0.000549 | 0.000003 | 0.013053 | 0.000059 | -56.91 | 0.62 | -39.15 | 0.67 | 2875.1 | 3720.7 | -0.98 |
| T3-07 | 827 | 0.281318 | 0.000010 | 0.000584 | 0.000004 | 0.012319 | 0.000085 | -51.41 | 0.62 | -33.53 | 0.67 | 2668.6 | 3424.3 | -0.98 |
| T3-08 | 656 | 0.282313 | 0.000008 | 0.000677 | 0.000026 | 0.016296 | 0.000587 | -16.25 | 0.58 | -2.07 | 0.63 | 1314.7 | 1582.7 | -0.98 |
| T3-09 | 578 | 0.282414 | 0.000010 | 0.000562 | 0.000004 | 0.014394 | 0.000103 | -12.65 | 0.63 | -0.12 | 0.66 | 1170.0 | 1413.5 | -0.98 |
| T3-10 | 641 | 0.282606 | 0.000008 | 0.000571 | 0.000016 | 0.012581 | 0.000302 | -5.88 | 0.59 | 8.03 | 0.64 | 904.4 | 1012.7 | -0.98 |
| T3-11 | 1081 | 0.282294 | 0.000011 | 0.000591 | 0.000032 | 0.013268 | 0.000825 | -16.92 | 0.64 | 6.61 | 0.71 | 1338.0 | 1443.4 | -0.98 |
| T3-12 | 949 | 0.281741 | 0.000010 | 0.000566 | 0.000029 | 0.012430 | 0.000654 | -36.46 | 0.63 | -15.87 | 0.69 | 2094.9 | 2566.0 | -0.98 |
| T3-13 | 936 | 0.281473 | 0.000010 | 0.000783 | 0.000005 | 0.016230 | 0.000109 | -45.93 | 0.61 | -25.77 | 0.67 | 2471.9 | 3090.8 | -0.98 |
| T3-14 | 1057 | 0.281729 | 0.000011 | 0.000402 | 0.000009 | 0.009972 | 0.000197 | -36.88 | 0.64 | -13.79 | 0.70 | 2101.9 | 2537.7 | -0.99 |
| T3-15 | 1085 | 0.281956 | 0.000009 | 0.000637 | 0.000023 | 0.015610 | 0.000579 | -28.87 | 0.61 | -5.32 | 0.68 | 1805.1 | 2099.1 | -0.98 |
| T3-16 | 734 | 0.282466 | 0.000009 | 0.001617 | 0.000090 | 0.038662 | 0.002222 | -10.82 | 0.61 | 4.60 | 0.68 | 1129.5 | 1276.6 | -0.95 |
| T3-17 | 603 | 0.282051 | 0.000010 | 0.000973 | 0.000033 | 0.024405 | 0.000895 | -25.49 | 0.62 | -12.61 | 0.66 | 1688.7 | 2118.6 | -0.97 |
| T3-18 | 744 | 0.282260 | 0.000009 | 0.000643 | 0.000004 | 0.015917 | 0.000082 | -18.11 | 0.61 | -2.01 | 0.65 | 1386.5 | 1648.8 | -0.98 |
| T3-20 | 518 | 0.282560 | 0.000008 | 0.000966 | 0.000012 | 0.022463 | 0.000285 | -7.51 | 0.59 | 3.57 | 0.62 | 979.0 | 1161.6 | -0.97 |
| T3-21 | 813 | 0.282114 | 0.000009 | 0.000728 | 0.000007 | 0.018475 | 0.000195 | -23.26 | 0.61 | -5.71 | 0.66 | 1590.9 | 1905.9 | -0.98 |
| T3-22 | 724 | 0.281850 | 0.000011 | 0.000662 | 0.000006 | 0.016117 | 0.000134 | -32.60 | 0.65 | -16.96 | 0.69 | 1950.7 | 2450.5 | -0.98 |
| T3-23 | 488 | 0.282483 | 0.000012 | 0.002224 | 0.000059 | 0.057449 | 0.001547 | -10.21 | 0.65 | -0.19 | 0.69 | 1123.5 | 1345.5 | -0.93 |
| T3-24 | 1091 | 0.282275 | 0.000010 | 0.001082 | 0.000014 | 0.025488 | 0.000396 | -17.57 | 0.62 | 5.81 | 0.69 | 1381.3 | 1495.0 | -0.97 |
| T3-25 | 934 | 0.281760 | 0.000016 | 0.000339 | 0.000038 | 0.008638 | 0.000932 | -35.77 | 0.76 | -15.36 | 0.83 | 2056.2 | 2527.0 | -0.99 |
| T3-26 | 830 | 0.282221 | 0.000008 | 0.000884 | 0.000003 | 0.020510 | 0.000073 | -19.49 | 0.58 | -1.65 | 0.64 | 1449.5 | 1696.9 | -0.97 |
| T3-27 | 1081 | 0.282509 | 0.000015 | 0.002113 | 0.000055 | 0.052185 | 0.001526 | -9.29 | 0.75 | 13.15 | 0.83 | 1082.3 | 1082.8 | -0.94 |
| T3-28 | 667 | 0.282343 | 0.000012 | 0.000445 | 0.000019 | 0.010038 | 0.000442 | -15.15 | 0.67 | -0.64 | 0.71 | 1264.3 | 1512.4 | -0.99 |
| T3-29 | 646 | 0.282291 | 0.000011 | 0.000851 | 0.000013 | 0.020082 | 0.000370 | -17.02 | 0.64 | -3.14 | 0.68 | 1351.0 | 1633.4 | -0.97 |
| T3-30 | 629 | 0.282487 | 0.000010 | 0.001966 | 0.000014 | 0.049593 | 0.000359 | -10.08 | 0.63 | 2.97 | 0.67 | 1110.1 | 1282.8 | -0.94 |
| T3-31 | 612 | 0.281245 | 0.000010 | 0.000318 | 0.000003 | 0.007046 | 0.000083 | -54.00 | 0.61 | -40.70 | 0.65 | 2748.4 | 3646.3 | -0.99 |
| T3-32 | 942 | 0.282296 | 0.000009 | 0.001072 | 0.000021 | 0.024982 | 0.000342 | -16.83 | 0.61 | 3.33 | 0.67 | 1351.7 | 1512.4 | -0.97 |
| T3-33 | 939 | 0.282170 | 0.000010 | 0.001378 | 0.000066 | 0.030391 | 0.001702 | -21.29 | 0.62 | -1.39 | 0.70 | 1540.2 | 1769.1 | -0.96 |
| T3-34 | 572 | 0.281845 | 0.000010 | 0.000521 | 0.000005 | 0.012920 | 0.000114 | -32.77 | 0.61 | -20.39 | 0.65 | 1950.3 | 2519.2 | -0.98 |
| T3-35 | 566 | 0.280950 | 0.000011 | 0.001384 | 0.000012 | 0.030772 | 0.000261 | -64.43 | 0.64 | -52.54 | 0.67 | 3228.7 | 4242.2 | -0.96 |
| T3-36 | 548 | 0.282432 | 0.000013 | 0.001305 | 0.000026 | 0.033585 | 0.000739 | -12.01 | 0.69 | -0.41 | 0.72 | 1167.7 | 1405.5 | -0.96 |
| T3-37 | 621 | 0.281752 | 0.000011 | 0.000483 | 0.000014 | 0.010638 | 0.000355 | -36.07 | 0.65 | -22.61 | 0.68 | 2075.4 | 2677.8 | -0.99 |
| T3-38 | 605 | 0.282446 | 0.000009 | 0.000489 | 0.000015 | 0.012226 | 0.000365 | -11.51 | 0.61 | 1.63 | 0.65 | 1123.4 | 1338.0 | -0.99 |
| T3-40 | 567 | 0.282378 | 0.000012 | 0.000889 | 0.000008 | 0.022242 | 0.000184 | -13.94 | 0.67 | -1.78 | 0.70 | 1231.1 | 1496.2 | -0.97 |
| T3-41 | 646 | 0.280932 | 0.000012 | 0.001187 | 0.000007 | 0.029906 | 0.000201 | -65.05 | 0.66 | -51.39 | 0.69 | 3235.9 | 4240.7 | -0.96 |
| T3-42 | 592 | 0.282047 | 0.000017 | 0.001089 | 0.000006 | 0.026591 | 0.000108 | -25.63 | 0.79 | -13.03 | 0.82 | 1699.5 | 2133.2 | -0.97 |
| T3-43 | 645 | 0.282308 | 0.000010 | 0.001136 | 0.000035 | 0.023599 | 0.000752 | -16.40 | 0.63 | -2.67 | 0.67 | 1336.9 | 1606.6 | -0.97 |
| T3-44 | 605 | 0.282146 | 0.000010 | 0.001476 | 0.000024 | 0.035519 | 0.000722 | -22.14 | 0.62 | -9.41 | 0.66 | 1578.2 | 1945.3 | -0.96 |
| T3-45 | 497 | 0.282131 | 0.000008 | 0.001506 | 0.000007 | 0.038675 | 0.000212 | -22.67 | 0.59 | -12.23 | 0.62 | 1600.4 | 2015.4 | -0.95 |
| T3-46 | 651 | 0.282450 | 0.000010 | 0.000537 | 0.000023 | 0.012858 | 0.000485 | -11.38 | 0.63 | 2.75 | 0.67 | 1119.5 | 1312.6 | -0.98 |
| T3-47 | 725 | 0.282164 | 0.000010 | 0.001032 | 0.000037 | 0.025258 | 0.001035 | -21.51 | 0.63 | -6.02 | 0.68 | 1534.9 | 1853.7 | -0.97 |
| T3-48 | 654 | 0.282535 | 0.000011 | 0.002376 | 0.000021 | 0.052977 | 0.000492 | -8.37 | 0.64 | 5.03 | 0.68 | 1052.1 | 1189.0 | -0.93 |
| T3-49 | 608 | 0.281649 | 0.000009 | 0.000354 | 0.000005 | 0.008957 | 0.000115 | -39.73 | 0.60 | -26.50 | 0.64 | 2208.3 | 2878.8 | -0.99 |
| T3-50 | 1080 | 0.282456 | 0.000009 | 0.000515 | 0.000005 | 0.012727 | 0.000113 | -11.19 | 0.60 | 12.38 | 0.67 | 1111.5 | 1124.5 | -0.98 |
| T3-51 | 550 | 0.282417 | 0.000011 | 0.000902 | 0.000026 | 0.022925 | 0.000775 | -12.56 | 0.65 | -0.77 | 0.69 | 1177.2 | 1427.1 | -0.97 |
| T3-52 | 606 | 0.281984 | 0.000011 | 0.000456 | 0.000001 | 0.010852 | 0.000043 | -27.87 | 0.64 | -14.72 | 0.68 | 1758.1 | 2236.4 | -0.99 |
| T3-53 | 649 | 0.281920 | 0.000012 | 0.000542 | 0.000017 | 0.012780 | 0.000322 | -30.12 | 0.67 | -16.06 | 0.71 | 1849.0 | 2343.4 | -0.98 |
| T3-54 | 830 | 0.282378 | 0.000015 | 0.001465 | 0.000023 | 0.037788 | 0.000621 | -13.94 | 0.73 | 3.59 | 0.78 | 1250.2 | 1408.9 | -0.96 |
| T3-55 | 611 | 0.281255 | 0.000009 | 0.000304 | 0.000006 | 0.006219 | 0.000132 | -53.64 | 0.60 | -40.35 | 0.64 | 2733.6 | 3626.8 | -0.99 |
| T3-56 | 1102 | 0.282058 | 0.000010 | 0.000431 | 0.000010 | 0.010285 | 0.000312 | -25.26 | 0.62 | -1.18 | 0.69 | 1656.2 | 1886.7 | -0.99 |
| T3-57 | 615 | 0.282186 | 0.000011 | 0.000688 | 0.000009 | 0.015753 | 0.000265 | -20.73 | 0.65 | -7.47 | 0.69 | 1490.6 | 1846.6 | -0.98 |
| T5-02 | 488 | 0.281589 | 0.000010 | 0.000296 | 0.000010 | 0.007165 | 0.000232 | -41.82 | 0.62 | -31.20 | 0.65 | 2284.8 | 3041.4 | -0.99 |
| T5-03 | 597 | 0.282414 | 0.000010 | 0.000962 | 0.000034 | 0.023043 | 0.000939 | -12.65 | 0.62 | 0.13 | 0.66 | 1182.6 | 1414.7 | -0.97 |
| T5-04 | 727 | 0.282352 | 0.000009 | 0.000641 | 0.000006 | 0.015129 | 0.000123 | -14.84 | 0.60 | 0.89 | 0.65 | 1258.5 | 1475.5 | -0.98 |
| T5-05 | 1021 | 0.282159 | 0.000008 | 0.001574 | 0.000017 | 0.042020 | 0.000703 | -21.70 | 0.58 | -0.17 | 0.65 | 1564.4 | 1767.5 | -0.95 |
| T5-06 | 698 | 0.282320 | 0.000014 | 0.001975 | 0.000059 | 0.051954 | 0.001752 | -15.97 | 0.70 | -1.49 | 0.76 | 1349.7 | 1583.4 | -0.94 |
| T5-07 | 1510 | 0.281659 | 0.000015 | 0.000721 | 0.000010 | 0.016953 | 0.000268 | -39.35 | 0.74 | -6.53 | 0.83 | 2214.7 | 2500.3 | -0.98 |
| T5-09 | 1647 | 0.281575 | 0.000013 | 0.000371 | 0.000011 | 0.009322 | 0.000373 | -42.32 | 0.69 | -6.09 | 0.79 | 2308.1 | 2584.7 | -0.99 |
| T5-10 | 874 | 0.281722 | 0.000012 | 0.000651 | 0.000018 | 0.015917 | 0.000578 | -37.12 | 0.66 | -18.22 | 0.72 | 2124.9 | 2635.2 | -0.98 |
| T5-11 | 952 | 0.282239 | 0.000014 | 0.000712 | 0.000051 | 0.017976 | 0.001142 | -18.85 | 0.71 | 1.76 | 0.78 | 1417.9 | 1606.9 | -0.98 |
| T5-12 | 779 | 0.282396 | 0.000013 | 0.001646 | 0.000012 | 0.040159 | 0.000320 | -13.29 | 0.68 | 3.06 | 0.72 | 1230.0 | 1397.3 | -0.95 |
| T5-13 | 830 | 0.282354 | 0.000012 | 0.000794 | 0.000019 | 0.017640 | 0.000510 | -14.77 | 0.66 | 3.13 | 0.71 | 1260.8 | 1434.3 | -0.98 |
| T5-14 | 864 | 0.282338 | 0.000010 | 0.000373 | 0.000003 | 0.008962 | 0.000079 | -15.35 | 0.62 | 3.53 | 0.67 | 1269.5 | 1439.1 | -0.99 |
| T5-15 | 601 | 0.282514 | 0.000013 | 0.001235 | 0.000023 | 0.027764 | 0.000553 | -9.13 | 0.69 | 3.63 | 0.73 | 1050.6 | 1224.2 | -0.96 |