|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Supplementary table 1. U-Pb data of zircons for the Paleoproterozoic granitoids from the Liaodong Peninsula** | | | | | | | | | | | | | | | | |
| Sample | U | Th | Th/U | 207Pb/206Pb | | 207Pb/235U | | 206Pb/238U | | 207Pb/206Pb | | 207Pb/235U | | 206Pb/238U | | Discordance |
| spot | ppm | ppm | ratio | 1σ | ratio | 1σ | ratio | 1σ | age (Ma) | 1σ | age (Ma) | 1σ | age (Ma) | 1σ |
| **18YK01-2 Hupiyu pluton** | | | | | | | | | | | | | | | | |
| 18YK01-2-01 | 206.99 | 109.67 | 0.53 | 0.1346 | 0.0019 | 7.0196 | 0.1477 | 0.3755 | 0.0051 | 2159 | 25 | 2114 | 19 | 2055 | 24 | 2.77% |
| 18YK01-2-14 | 201.16 | 83.12 | 0.41 | 0.1348 | 0.0009 | 7.1732 | 0.0878 | 0.3844 | 0.0036 | 2162 | 12 | 2133 | 11 | 2097 | 17 | 1.70% |
| 18YK01-2-16 | 396.35 | 230.49 | 0.58 | 0.1348 | 0.0015 | 7.4152 | 0.1275 | 0.3970 | 0.0048 | 2162 | 20 | 2163 | 15 | 2155 | 22 | 0.34% |
| 18YK01-2-07 | 204.70 | 90.11 | 0.44 | 0.1349 | 0.0009 | 7.0616 | 0.0792 | 0.3786 | 0.0034 | 2163 | 12 | 2119 | 10 | 2070 | 16 | 2.34% |
| 18YK01-2-21 | 266.94 | 156.35 | 0.59 | 0.1349 | 0.0017 | 7.2115 | 0.1098 | 0.3869 | 0.0048 | 2163 | 22 | 2138 | 14 | 2108 | 23 | 1.39% |
| 18YK01-2-05 | 331.04 | 81.62 | 0.25 | 0.1350 | 0.0010 | 7.4501 | 0.1008 | 0.3992 | 0.0047 | 2163 | 13 | 2167 | 12 | 2165 | 21 | 0.08% |
| 18YK01-2-13 | 197.32 | 113.39 | 0.57 | 0.1350 | 0.0009 | 7.0049 | 0.0888 | 0.3750 | 0.0039 | 2164 | 12 | 2112 | 11 | 2053 | 18 | 2.80% |
| 18YK01-2-04 | 235.16 | 149.45 | 0.64 | 0.1351 | 0.0012 | 6.9058 | 0.0843 | 0.3694 | 0.0036 | 2165 | 15 | 2099 | 11 | 2027 | 17 | 3.46% |
| 18YK01-2-09 | 273.31 | 162.26 | 0.59 | 0.1351 | 0.0009 | 7.1711 | 0.0767 | 0.3836 | 0.0033 | 2166 | 12 | 2133 | 10 | 2093 | 15 | 1.86% |
| 18YK01-2-15 | 152.83 | 69.28 | 0.45 | 0.1352 | 0.0018 | 7.2705 | 0.1212 | 0.3886 | 0.0050 | 2167 | 24 | 2145 | 15 | 2116 | 23 | 1.35% |
| 18YK01-2-11 | 367.75 | 219.09 | 0.60 | 0.1352 | 0.0008 | 7.0742 | 0.0725 | 0.3783 | 0.0038 | 2167 | 10 | 2121 | 9 | 2068 | 18 | 2.48% |
| 18YK01-2-08 | 182.92 | 88.04 | 0.48 | 0.1352 | 0.0009 | 7.1007 | 0.0706 | 0.3798 | 0.0031 | 2167 | 12 | 2124 | 9 | 2076 | 14 | 2.29% |
| 18YK01-2-19 | 195.47 | 93.15 | 0.48 | 0.1353 | 0.0021 | 7.3694 | 0.1405 | 0.3939 | 0.0043 | 2168 | 27 | 2157 | 17 | 2141 | 20 | 0.76% |
| 18YK01-2-06 | 184.78 | 77.98 | 0.42 | 0.1353 | 0.0010 | 7.1077 | 0.0851 | 0.3795 | 0.0034 | 2168 | 13 | 2125 | 11 | 2074 | 16 | 2.41% |
| 18YK01-2-10 | 162.44 | 73.93 | 0.46 | 0.1354 | 0.0020 | 7.0002 | 0.1282 | 0.3723 | 0.0051 | 2170 | 26 | 2111 | 16 | 2040 | 24 | 3.36% |
| 18YK01-2-20 | 177.11 | 84.07 | 0.47 | 0.1356 | 0.0012 | 7.1133 | 0.0834 | 0.3794 | 0.0037 | 2171 | 15 | 2126 | 10 | 2074 | 17 | 2.45% |
| 18YK01-2-12 | 190.52 | 89.24 | 0.47 | 0.1358 | 0.0009 | 7.0397 | 0.0707 | 0.3749 | 0.0032 | 2174 | 12 | 2116 | 9 | 2053 | 15 | 3.02% |
| 18YK01-2-03 | 323.61 | 181.83 | 0.56 | 0.1358 | 0.0010 | 7.0547 | 0.0790 | 0.3758 | 0.0033 | 2174 | 13 | 2118 | 10 | 2057 | 15 | 2.92% |
| 18YK01-2-02 | 377.60 | 203.95 | 0.54 | 0.1361 | 0.0009 | 6.9227 | 0.0772 | 0.3682 | 0.0037 | 2178 | 11 | 2102 | 10 | 2021 | 17 | 3.83% |
| 18YK01-2-18 | 346.10 | 184.93 | 0.53 | 0.1362 | 0.0006 | 7.0877 | 0.0687 | 0.3763 | 0.0031 | 2179 | 8 | 2122 | 9 | 2059 | 15 | 2.98% |
| 18YK01-2-17 | 270.89 | 117.69 | 0.43 | 0.1362 | 0.0008 | 6.9981 | 0.0593 | 0.3717 | 0.0028 | 2179 | 10 | 2111 | 8 | 2037 | 13 | 3.50% |
| 18YK01-2-22 | 211.04 | 95.46 | 0.45 | 0.1364 | 0.0009 | 7.0903 | 0.0789 | 0.3762 | 0.0034 | 2182 | 11 | 2123 | 10 | 2058 | 16 | 3.04% |
| 18YK01-2-23 | 215.86 | 95.22 | 0.44 | 0.1364 | 0.0012 | 6.9831 | 0.0764 | 0.3706 | 0.0029 | 2182 | 15 | 2109 | 10 | 2032 | 14 | 3.65% |
| **18DD25-1 Simenzi pluton** | | | | | | | | | | | | | | | | |
| 18DD25-1-13 | 168.01 | 74.26 | 0.44 | 0.1342 | 0.0011 | 7.5828 | 0.0971 | 0.4090 | 0.0044 | 2153 | 14 | 2183 | 11 | 2210 | 20 | -1.25% |
| 18DD25-1-14 | 395.00 | 201.16 | 0.51 | 0.1348 | 0.0013 | 7.5731 | 0.0889 | 0.4073 | 0.0048 | 2161 | 17 | 2182 | 11 | 2202 | 22 | -0.95% |
| 18DD25-1-23 | 668.36 | 410.63 | 0.61 | 0.1343 | 0.0012 | 7.5129 | 0.0784 | 0.4048 | 0.0041 | 2154 | 16 | 2175 | 9 | 2191 | 19 | -0.77% |
| 18DD25-1-21 | 169.98 | 84.36 | 0.50 | 0.1343 | 0.0017 | 7.4634 | 0.0981 | 0.4028 | 0.0052 | 2155 | 22 | 2169 | 12 | 2182 | 24 | -0.61% |
| 18DD25-1-22 | 206.96 | 57.46 | 0.28 | 0.1338 | 0.0017 | 7.4977 | 0.1402 | 0.4036 | 0.0053 | 2149 | 22 | 2173 | 17 | 2186 | 24 | -0.59% |
| 18DD25-1-19 | 219.49 | 134.53 | 0.61 | 0.1349 | 0.0023 | 7.4402 | 0.1396 | 0.4015 | 0.0075 | 2163 | 29 | 2166 | 17 | 2176 | 35 | -0.48% |
| 18DD25-1-20 | 193.93 | 106.59 | 0.55 | 0.1347 | 0.0015 | 7.4883 | 0.1009 | 0.4028 | 0.0044 | 2160 | 20 | 2172 | 12 | 2182 | 20 | -0.47% |
| 18DD25-1-24 | 189.91 | 84.83 | 0.45 | 0.1345 | 0.0018 | 7.4296 | 0.0868 | 0.4005 | 0.0049 | 2158 | 23 | 2165 | 10 | 2171 | 23 | -0.31% |
| 18DD25-1-01 | 382.08 | 252.69 | 0.66 | 0.1354 | 0.0014 | 7.4727 | 0.0904 | 0.4012 | 0.0049 | 2169 | 19 | 2170 | 11 | 2174 | 22 | -0.22% |
| 18DD25-1-25 | 168.29 | 73.27 | 0.44 | 0.1343 | 0.0022 | 7.3819 | 0.0958 | 0.3983 | 0.0053 | 2156 | 28 | 2159 | 12 | 2161 | 24 | -0.12% |
| 18DD25-1-04 | 227.89 | 142.17 | 0.62 | 0.1348 | 0.0016 | 7.4012 | 0.0898 | 0.3987 | 0.0045 | 2161 | 21 | 2161 | 11 | 2163 | 21 | -0.09% |
| 18DD25-1-03 | 391.36 | 302.09 | 0.77 | 0.1346 | 0.0020 | 7.3485 | 0.1098 | 0.3966 | 0.0055 | 2159 | 26 | 2155 | 13 | 2153 | 25 | 0.06% |
| 18DD25-1-15 | 180.48 | 84.02 | 0.47 | 0.1350 | 0.0011 | 7.4336 | 0.0970 | 0.3983 | 0.0041 | 2164 | 14 | 2165 | 12 | 2161 | 19 | 0.18% |
| 18DD25-1-18 | 312.98 | 239.38 | 0.76 | 0.1350 | 0.0012 | 7.4133 | 0.0824 | 0.3977 | 0.0044 | 2164 | 16 | 2163 | 10 | 2159 | 20 | 0.19% |
| 18DD25-1-05 | 258.54 | 170.71 | 0.66 | 0.1355 | 0.0019 | 7.4344 | 0.0824 | 0.3981 | 0.0041 | 2170 | 24 | 2165 | 10 | 2160 | 19 | 0.22% |
| 18DD25-1-16 | 310.83 | 244.33 | 0.79 | 0.1346 | 0.0013 | 7.3589 | 0.0835 | 0.3957 | 0.0039 | 2159 | 17 | 2156 | 10 | 2149 | 18 | 0.32% |
| 18DD25-1-11 | 181.23 | 101.66 | 0.56 | 0.1356 | 0.0013 | 7.4393 | 0.1044 | 0.3975 | 0.0050 | 2172 | 17 | 2166 | 13 | 2158 | 23 | 0.37% |
| 18DD25-1-10 | 238.15 | 152.83 | 0.64 | 0.1360 | 0.0016 | 7.4301 | 0.1167 | 0.3967 | 0.0060 | 2177 | 20 | 2165 | 14 | 2154 | 28 | 0.50% |
| 18DD25-1-08 | 167.50 | 77.28 | 0.46 | 0.1344 | 0.0018 | 7.2802 | 0.0936 | 0.3923 | 0.0035 | 2156 | 23 | 2146 | 11 | 2133 | 16 | 0.60% |
| 18DD25-1-12 | 168.07 | 73.47 | 0.44 | 0.1349 | 0.0011 | 7.2887 | 0.0846 | 0.3911 | 0.0038 | 2163 | 14 | 2147 | 10 | 2128 | 18 | 0.90% |
| 18DD25-1-07 | 216.26 | 127.57 | 0.59 | 0.1359 | 0.0017 | 7.3642 | 0.0953 | 0.3929 | 0.0040 | 2176 | 21 | 2157 | 12 | 2136 | 19 | 0.94% |
| 18DD25-1-02 | 342.05 | 206.07 | 0.60 | 0.1349 | 0.0021 | 7.2197 | 0.0925 | 0.3884 | 0.0045 | 2163 | 28 | 2139 | 11 | 2115 | 21 | 1.11% |
| 18DD25-1-06 | 150.94 | 77.50 | 0.51 | 0.1351 | 0.0015 | 7.2585 | 0.0982 | 0.3893 | 0.0042 | 2166 | 19 | 2144 | 12 | 2119 | 20 | 1.14% |
| 18DD25-1-17 | 176.43 | 75.20 | 0.43 | 0.1357 | 0.0018 | 7.2956 | 0.1091 | 0.3897 | 0.0052 | 2173 | 23 | 2148 | 13 | 2122 | 24 | 1.25% |
| 18DD25-1-09 | 201.82 | 106.15 | 0.53 | 0.1362 | 0.0026 | 7.2739 | 0.1063 | 0.3875 | 0.0045 | 2180 | 33 | 2146 | 13 | 2111 | 21 | 1.61% |
| **18DD26-1 Simenzi pluton** | | | | | | | | | | | | | | | | |
| 18DD26-1-16 | 263.65 | 113.93 | 0.43 | 0.1350 | 0.0024 | 7.6746 | 0.1622 | 0.4138 | 0.0059 | 2165 | 31 | 2194 | 19 | 2232 | 27 | -1.76% |
| 18DD26-1-17 | 221.36 | 123.20 | 0.56 | 0.1352 | 0.0023 | 7.8700 | 0.2016 | 0.4239 | 0.0082 | 2167 | 30 | 2216 | 23 | 2278 | 37 | -2.80% |
| 18DD26-1-05 | 543.95 | 257.66 | 0.47 | 0.1355 | 0.0011 | 7.6076 | 0.0890 | 0.4053 | 0.0043 | 2171 | 14 | 2186 | 10 | 2193 | 20 | -0.35% |
| 18DD26-1-13 | 162.46 | 82.17 | 0.51 | 0.1355 | 0.0014 | 7.5665 | 0.0858 | 0.4045 | 0.0035 | 2171 | 18 | 2181 | 10 | 2190 | 16 | -0.41% |
| 18DD26-1-11 | 197.26 | 108.50 | 0.55 | 0.1356 | 0.0021 | 7.6465 | 0.2001 | 0.4088 | 0.0069 | 2172 | 27 | 2190 | 23 | 2209 | 32 | -0.87% |
| 18DD26-1-04 | 457.43 | 263.96 | 0.58 | 0.1357 | 0.0010 | 7.5859 | 0.0917 | 0.4040 | 0.0045 | 2174 | 12 | 2183 | 11 | 2187 | 21 | -0.19% |
| 18DD26-1-07 | 335.13 | 161.49 | 0.48 | 0.1359 | 0.0012 | 7.6571 | 0.0915 | 0.4080 | 0.0033 | 2175 | 16 | 2192 | 11 | 2206 | 15 | -0.64% |
| 18DD26-1-02 | 153.13 | 66.93 | 0.44 | 0.1359 | 0.0011 | 7.6294 | 0.0853 | 0.4057 | 0.0036 | 2176 | 15 | 2188 | 10 | 2195 | 16 | -0.32% |
| 18DD26-1-14 | 207.03 | 126.45 | 0.61 | 0.1360 | 0.0010 | 7.5092 | 0.0722 | 0.4000 | 0.0032 | 2176 | 13 | 2174 | 9 | 2169 | 15 | 0.23% |
| 18DD26-1-10 | 230.04 | 144.12 | 0.63 | 0.1360 | 0.0010 | 7.4361 | 0.0822 | 0.3950 | 0.0038 | 2177 | 13 | 2165 | 10 | 2146 | 18 | 0.90% |
| 18DD26-1-21 | 145.72 | 66.37 | 0.46 | 0.1360 | 0.0011 | 7.5849 | 0.0820 | 0.4044 | 0.0038 | 2177 | 14 | 2183 | 10 | 2189 | 17 | -0.29% |
| 18DD26-1-01 | 186.28 | 92.02 | 0.49 | 0.1361 | 0.0025 | 7.6893 | 0.1678 | 0.4093 | 0.0058 | 2178 | 32 | 2195 | 20 | 2212 | 27 | -0.75% |
| 18DD26-1-08 | 132.00 | 62.27 | 0.47 | 0.1361 | 0.0013 | 7.8767 | 0.1217 | 0.4199 | 0.0053 | 2178 | 16 | 2217 | 14 | 2260 | 24 | -1.94% |
| 18DD26-1-06 | 278.65 | 146.40 | 0.53 | 0.1362 | 0.0016 | 7.7904 | 0.1582 | 0.4164 | 0.0060 | 2179 | 21 | 2207 | 18 | 2244 | 27 | -1.68% |
| 18DD26-1-03 | 246.03 | 153.17 | 0.62 | 0.1362 | 0.0009 | 7.6422 | 0.0796 | 0.4060 | 0.0034 | 2180 | 11 | 2190 | 9 | 2196 | 16 | -0.30% |
| 18DD26-1-19 | 176.34 | 78.76 | 0.45 | 0.1364 | 0.0013 | 7.5968 | 0.0869 | 0.4043 | 0.0042 | 2181 | 16 | 2184 | 10 | 2189 | 19 | -0.20% |
| 18DD26-1-12 | 265.20 | 168.09 | 0.63 | 0.1364 | 0.0012 | 7.5363 | 0.0996 | 0.4002 | 0.0040 | 2182 | 15 | 2177 | 12 | 2170 | 19 | 0.34% |
| 18DD26-1-09 | 165.81 | 91.95 | 0.55 | 0.1365 | 0.0009 | 7.4675 | 0.0798 | 0.3954 | 0.0034 | 2183 | 11 | 2169 | 10 | 2148 | 16 | 0.98% |
| 18DD26-1-15 | 183.72 | 83.15 | 0.45 | 0.1365 | 0.0012 | 7.5408 | 0.1222 | 0.4003 | 0.0058 | 2184 | 16 | 2178 | 15 | 2170 | 27 | 0.35% |
| 18DD26-1-18 | 287.50 | 210.37 | 0.73 | 0.1366 | 0.0010 | 7.4918 | 0.0820 | 0.3976 | 0.0041 | 2185 | 12 | 2172 | 10 | 2158 | 19 | 0.65% |
| 18DD26-1-20 | 183.01 | 83.30 | 0.46 | 0.1367 | 0.0011 | 7.4510 | 0.0740 | 0.3953 | 0.0035 | 2185 | 14 | 2167 | 9 | 2147 | 16 | 0.92% |
| **18XY11-1 Muniu pluton** | | | | | | | | | | | | | | | | |
| 18XY11-1-08 | 203.47 | 81.27 | 0.40 | 0.1347 | 0.0013 | 6.9649 | 0.0935 | 0.3738 | 0.0042 | 2160 | 17 | 2107 | 12 | 2047 | 20 | 2.83% |
| 18XY11-1-20 | 268.76 | 186.64 | 0.69 | 0.1351 | 0.0011 | 6.8723 | 0.0740 | 0.3681 | 0.0031 | 2165 | 14 | 2095 | 10 | 2021 | 14 | 3.55% |
| 18XY11-1-23 | 131.27 | 59.33 | 0.45 | 0.1351 | 0.0012 | 7.0642 | 0.0814 | 0.3792 | 0.0036 | 2165 | 16 | 2120 | 10 | 2073 | 17 | 2.21% |
| 18XY11-1-17 | 182.66 | 78.76 | 0.43 | 0.1351 | 0.0011 | 6.9484 | 0.0887 | 0.3730 | 0.0037 | 2165 | 14 | 2105 | 11 | 2044 | 17 | 2.91% |
| 18XY11-1-14 | 188.90 | 78.80 | 0.42 | 0.1352 | 0.0009 | 6.8907 | 0.0769 | 0.3690 | 0.0035 | 2167 | 12 | 2097 | 10 | 2024 | 16 | 3.48% |
| 18XY11-1-05 | 174.22 | 83.33 | 0.48 | 0.1352 | 0.0008 | 7.0125 | 0.0766 | 0.3753 | 0.0035 | 2167 | 11 | 2113 | 10 | 2054 | 17 | 2.79% |
| 18XY11-1-06 | 190.77 | 97.30 | 0.51 | 0.1352 | 0.0009 | 6.8763 | 0.0724 | 0.3682 | 0.0032 | 2167 | 11 | 2096 | 9 | 2021 | 15 | 3.56% |
| 18XY11-1-22 | 348.41 | 129.11 | 0.37 | 0.1352 | 0.0009 | 7.0096 | 0.0502 | 0.3755 | 0.0022 | 2167 | 11 | 2113 | 6 | 2055 | 10 | 2.71% |
| 18XY11-1-12 | 200.17 | 123.66 | 0.62 | 0.1353 | 0.0008 | 6.8046 | 0.0707 | 0.3643 | 0.0034 | 2168 | 10 | 2086 | 9 | 2002 | 16 | 4.03% |
| 18XY11-1-01 | 205.15 | 99.42 | 0.48 | 0.1353 | 0.0009 | 6.9059 | 0.0878 | 0.3686 | 0.0037 | 2168 | 11 | 2099 | 11 | 2023 | 18 | 3.64% |
| 18XY11-1-11 | 177.01 | 80.51 | 0.45 | 0.1353 | 0.0008 | 6.9163 | 0.0722 | 0.3705 | 0.0033 | 2168 | 11 | 2101 | 9 | 2032 | 15 | 3.29% |
| 18XY11-1-15 | 211.57 | 95.40 | 0.45 | 0.1353 | 0.0011 | 6.8850 | 0.0721 | 0.3688 | 0.0030 | 2168 | 15 | 2097 | 9 | 2024 | 14 | 3.47% |
| 18XY11-1-18 | 220.99 | 146.41 | 0.66 | 0.1353 | 0.0009 | 6.8697 | 0.0592 | 0.3677 | 0.0026 | 2168 | 12 | 2095 | 8 | 2019 | 12 | 3.63% |
| 18XY11-1-03 | 179.44 | 85.40 | 0.48 | 0.1354 | 0.0009 | 6.9110 | 0.0786 | 0.3692 | 0.0033 | 2169 | 12 | 2100 | 10 | 2026 | 16 | 3.53% |
| 18XY11-1-24 | 442.70 | 187.88 | 0.42 | 0.1355 | 0.0008 | 7.0056 | 0.0501 | 0.3746 | 0.0023 | 2170 | 10 | 2112 | 6 | 2051 | 11 | 2.89% |
| 18XY11-1-10 | 204.89 | 128.52 | 0.63 | 0.1355 | 0.0011 | 6.9499 | 0.0957 | 0.3712 | 0.0037 | 2170 | 14 | 2105 | 12 | 2035 | 17 | 3.33% |
| 18XY11-1-09 | 190.40 | 93.27 | 0.49 | 0.1355 | 0.0008 | 6.8872 | 0.0626 | 0.3682 | 0.0031 | 2170 | 10 | 2097 | 8 | 2021 | 14 | 3.64% |
| 18XY11-1-04 | 239.42 | 151.49 | 0.63 | 0.1355 | 0.0008 | 6.9226 | 0.0702 | 0.3701 | 0.0033 | 2171 | 11 | 2102 | 9 | 2030 | 16 | 3.42% |
| 18XY11-1-07 | 232.52 | 110.99 | 0.48 | 0.1355 | 0.0009 | 6.9323 | 0.0712 | 0.3706 | 0.0033 | 2171 | 11 | 2103 | 9 | 2032 | 15 | 3.35% |
| 18XY11-1-19 | 244.22 | 104.22 | 0.43 | 0.1356 | 0.0011 | 7.0775 | 0.0920 | 0.3783 | 0.0035 | 2171 | 14 | 2121 | 12 | 2068 | 16 | 2.50% |
| 18XY11-1-02 | 721.19 | 247.83 | 0.34 | 0.1356 | 0.0009 | 7.1356 | 0.0677 | 0.3817 | 0.0029 | 2172 | 11 | 2128 | 8 | 2084 | 14 | 2.08% |
| 18XY11-1-21 | 194.32 | 106.92 | 0.55 | 0.1356 | 0.0011 | 6.9879 | 0.0888 | 0.3733 | 0.0033 | 2172 | 15 | 2110 | 11 | 2045 | 15 | 3.08% |
| 18XY11-1-13 | 166.62 | 84.57 | 0.51 | 0.1357 | 0.0009 | 6.7841 | 0.0623 | 0.3628 | 0.0027 | 2173 | 11 | 2084 | 8 | 1995 | 13 | 4.24% |
| 18XY11-1-16 | 220.28 | 92.92 | 0.42 | 0.1359 | 0.0013 | 6.9081 | 0.0862 | 0.3690 | 0.0032 | 2176 | 16 | 2100 | 11 | 2024 | 15 | 3.58% |
| **18DD30-1 Niejiaweizi pluton** | | | | | | | | | | | | | | | | |
| 18DD30-1-23 | 1338.78 | 77.64 | 0.06 | 0.1113 | 0.0008 | 4.6125 | 0.0431 | 0.3002 | 0.0021 | 1820 | 13 | 1752 | 8 | 1692 | 10 | 3.39% |
| 18DD30-1-31 | 1553.49 | 13.82 | 0.01 | 0.1115 | 0.0007 | 5.0280 | 0.0556 | 0.3265 | 0.0030 | 1823 | 12 | 1824 | 9 | 1821 | 15 | 0.14% |
| 18DD30-1-04 | 1090.78 | 71.36 | 0.07 | 0.1118 | 0.0008 | 4.5122 | 0.0514 | 0.2919 | 0.0025 | 1828 | 13 | 1733 | 9 | 1651 | 13 | 4.73% |
| 18DD30-1-09 | 1450.41 | 103.04 | 0.07 | 0.1127 | 0.0007 | 5.0691 | 0.0730 | 0.3251 | 0.0038 | 1844 | 11 | 1831 | 12 | 1815 | 19 | 0.89% |
| 18DD30-1-17 | 2927.46 | 80.80 | 0.03 | 0.1138 | 0.0007 | 4.9786 | 0.0830 | 0.3168 | 0.0048 | 1860 | 11 | 1816 | 14 | 1774 | 24 | 2.30% |
| 18DD30-1-25 | 5137.31 | 338.97 | 0.07 | 0.1155 | 0.0010 | 4.8103 | 0.0954 | 0.3026 | 0.0067 | 1888 | 16 | 1787 | 17 | 1704 | 33 | 4.62% |
| 18DD30-1-19 | 1000.55 | 202.95 | 0.20 | 0.1159 | 0.0011 | 5.6755 | 0.1345 | 0.3567 | 0.0083 | 1893 | 17 | 1928 | 20 | 1966 | 40 | -2.01% |
| 18DD30-1-30 | 1101.43 | 587.87 | 0.53 | 0.1341 | 0.0019 | 7.4389 | 0.1510 | 0.4026 | 0.0056 | 2152 | 24 | 2166 | 18 | 2181 | 26 | -0.71% |
| 18DD30-1-27 | 321.24 | 210.52 | 0.66 | 0.1347 | 0.0012 | 7.3515 | 0.1242 | 0.3952 | 0.0051 | 2160 | 15 | 2155 | 15 | 2147 | 24 | 0.38% |
| 18DD30-1-16 | 754.44 | 653.80 | 0.87 | 0.1349 | 0.0008 | 7.1616 | 0.0929 | 0.3844 | 0.0044 | 2162 | 10 | 2132 | 12 | 2097 | 20 | 1.64% |
| 18DD30-1-06 | 178.29 | 87.53 | 0.49 | 0.1349 | 0.0015 | 7.3699 | 0.1282 | 0.3947 | 0.0048 | 2162 | 20 | 2157 | 16 | 2145 | 22 | 0.59% |
| 18DD30-1-24 | 392.07 | 287.60 | 0.73 | 0.1350 | 0.0012 | 7.8017 | 0.1394 | 0.4182 | 0.0057 | 2163 | 15 | 2208 | 16 | 2252 | 26 | -1.98% |
| 18DD30-1-10 | 1219.19 | 901.23 | 0.74 | 0.1350 | 0.0009 | 7.2137 | 0.1140 | 0.3868 | 0.0047 | 2164 | 12 | 2138 | 14 | 2108 | 22 | 1.42% |
| 18DD30-1-26 | 415.12 | 285.88 | 0.69 | 0.1352 | 0.0012 | 7.3471 | 0.0788 | 0.3935 | 0.0031 | 2167 | 15 | 2155 | 10 | 2139 | 15 | 0.72% |
| 18DD30-1-22 | 200.73 | 76.59 | 0.38 | 0.1352 | 0.0018 | 7.2698 | 0.1927 | 0.3920 | 0.0095 | 2167 | 23 | 2145 | 24 | 2132 | 44 | 0.61% |
| 18DD30-1-05 | 244.12 | 112.29 | 0.46 | 0.1352 | 0.0011 | 7.4053 | 0.0888 | 0.3963 | 0.0036 | 2167 | 14 | 2162 | 11 | 2152 | 16 | 0.45% |
| 18DD30-1-21 | 274.20 | 167.21 | 0.61 | 0.1353 | 0.0008 | 7.4884 | 0.0864 | 0.4010 | 0.0034 | 2167 | 11 | 2172 | 10 | 2174 | 16 | -0.09% |
| 18DD30-1-20 | 641.80 | 550.76 | 0.86 | 0.1354 | 0.0009 | 7.4811 | 0.0968 | 0.4003 | 0.0040 | 2169 | 11 | 2171 | 12 | 2170 | 18 | 0.02% |
| 18DD30-1-14 | 796.05 | 626.15 | 0.79 | 0.1354 | 0.0008 | 7.1869 | 0.0965 | 0.3847 | 0.0042 | 2170 | 10 | 2135 | 12 | 2098 | 20 | 1.72% |
| 18DD30-1-12 | 233.87 | 119.10 | 0.51 | 0.1357 | 0.0010 | 7.2038 | 0.0913 | 0.3850 | 0.0041 | 2172 | 13 | 2137 | 11 | 2100 | 19 | 1.75% |
| 18DD30-1-11 | 167.69 | 76.54 | 0.46 | 0.1358 | 0.0011 | 7.4186 | 0.0991 | 0.3962 | 0.0040 | 2174 | 14 | 2163 | 12 | 2152 | 19 | 0.53% |
| 18DD30-1-01 | 479.54 | 503.52 | 1.05 | 0.1358 | 0.0017 | 7.0242 | 0.1449 | 0.3742 | 0.0049 | 2174 | 21 | 2114 | 18 | 2049 | 23 | 3.10% |
| 18DD30-1-02 | 572.51 | 473.92 | 0.83 | 0.1361 | 0.0014 | 7.4055 | 0.1313 | 0.3937 | 0.0041 | 2179 | 18 | 2162 | 16 | 2140 | 19 | 1.00% |
| 18DD30-1-08 | 130.52 | 60.33 | 0.46 | 0.1365 | 0.0015 | 7.6210 | 0.1173 | 0.4051 | 0.0047 | 2183 | 19 | 2187 | 14 | 2192 | 22 | -0.23% |
| **18XY13-1 Longjiapu pluton** | | | | | | | | | | | | | | | | |
| 18XY13-1-18 | 2590.93 | 776.72 | 0.30 | 0.1138 | 0.0027 | 5.0336 | 0.1268 | 0.3199 | 0.0054 | 1861 | 43 | 1825 | 21 | 1789 | 27 | 1.97% |
| 18XY13-1-20 | 1608.49 | 14.03 | 0.01 | 0.1144 | 0.0007 | 4.9689 | 0.0561 | 0.3143 | 0.0033 | 1870 | 11 | 1814 | 10 | 1762 | 16 | 2.87% |
| 18XY13-1-04 | 2406.80 | 44.12 | 0.02 | 0.1145 | 0.0008 | 4.9010 | 0.0482 | 0.3096 | 0.0030 | 1872 | 13 | 1802 | 8 | 1739 | 15 | 3.53% |
| 18XY13-1-11 | 1913.07 | 24.64 | 0.01 | 0.1147 | 0.0018 | 4.9661 | 0.0645 | 0.3133 | 0.0034 | 1876 | 28 | 1814 | 11 | 1757 | 16 | 3.11% |
| 18XY13-1-24 | 1824.25 | 23.25 | 0.01 | 0.1150 | 0.0007 | 4.9502 | 0.0429 | 0.3120 | 0.0026 | 1879 | 11 | 1811 | 7 | 1751 | 13 | 3.33% |
| 18XY13-1-26 | 1976.99 | 190.28 | 0.10 | 0.1150 | 0.0020 | 5.1031 | 0.0896 | 0.3222 | 0.0043 | 1880 | 31 | 1837 | 15 | 1800 | 21 | 1.97% |
| 18XY13-1-02 | 423.60 | 388.93 | 0.92 | 0.1339 | 0.0013 | 6.8918 | 0.0903 | 0.3722 | 0.0033 | 2150 | 17 | 2098 | 12 | 2040 | 15 | 2.75% |
| 18XY13-1-16 | 206.26 | 112.93 | 0.55 | 0.1347 | 0.0011 | 7.3021 | 0.0821 | 0.3920 | 0.0032 | 2160 | 14 | 2149 | 10 | 2132 | 15 | 0.78% |
| 18XY13-1-01 | 818.43 | 490.22 | 0.60 | 0.1348 | 0.0013 | 6.9239 | 0.0709 | 0.3714 | 0.0027 | 2161 | 16 | 2102 | 9 | 2036 | 13 | 3.14% |
| 18XY13-1-10 | 631.50 | 407.34 | 0.65 | 0.1348 | 0.0022 | 7.1691 | 0.1039 | 0.3853 | 0.0052 | 2162 | 28 | 2133 | 13 | 2101 | 24 | 1.48% |
| 18XY13-1-13 | 1374.97 | 734.12 | 0.53 | 0.1350 | 0.0010 | 7.2198 | 0.1231 | 0.3852 | 0.0053 | 2163 | 13 | 2139 | 15 | 2101 | 25 | 1.80% |
| 18XY13-1-03 | 393.23 | 264.68 | 0.67 | 0.1351 | 0.0012 | 6.9593 | 0.0664 | 0.3732 | 0.0032 | 2165 | 16 | 2106 | 8 | 2044 | 15 | 2.94% |
| 18XY13-1-29 | 663.45 | 794.44 | 1.20 | 0.1353 | 0.0007 | 7.0232 | 0.0512 | 0.3762 | 0.0028 | 2168 | 9 | 2114 | 6 | 2059 | 13 | 2.64% |
| 18XY13-1-06 | 228.99 | 86.28 | 0.38 | 0.1357 | 0.0019 | 7.3924 | 0.1235 | 0.3959 | 0.0051 | 2173 | 25 | 2160 | 15 | 2150 | 23 | 0.45% |
| 18XY13-1-28 | 531.15 | 240.65 | 0.45 | 0.1359 | 0.0008 | 7.0077 | 0.0806 | 0.3757 | 0.0041 | 2176 | 10 | 2112 | 10 | 2056 | 19 | 2.67% |
| 18XY13-1-15 | 306.09 | 171.45 | 0.56 | 0.1363 | 0.0017 | 7.0997 | 0.0947 | 0.3769 | 0.0044 | 2180 | 22 | 2124 | 12 | 2062 | 21 | 2.93% |
| 18XY13-1-19 | 975.98 | 278.25 | 0.29 | 0.1368 | 0.0013 | 6.8605 | 0.0627 | 0.3629 | 0.0030 | 2187 | 17 | 2094 | 8 | 1996 | 14 | 4.68% |
| 18XY13-1-23 | 424.22 | 329.50 | 0.78 | 0.1371 | 0.0007 | 6.8744 | 0.0855 | 0.3652 | 0.0047 | 2190 | 9 | 2095 | 11 | 2007 | 22 | 4.22% |
| 18XY13-1-17 | 2014.36 | 9.61 | 0.00 | 0.1376 | 0.0016 | 6.0826 | 0.0754 | 0.3201 | 0.0031 | 2197 | 21 | 1988 | 11 | 1790 | 15 | 9.93% |
| 18XY13-1-30 | 128.53 | 60.00 | 0.47 | 0.1377 | 0.0011 | 7.4449 | 0.1121 | 0.3953 | 0.0058 | 2198 | 14 | 2166 | 13 | 2147 | 27 | 0.89% |
| 18XY13-1-05 | 176.13 | 241.26 | 1.37 | 0.1649 | 0.0014 | 10.3600 | 0.0825 | 0.4546 | 0.0035 | 2507 | 15 | 2467 | 7 | 2416 | 16 | 2.09% |
| 18XY13-1-09 | 207.22 | 145.20 | 0.70 | 0.1655 | 0.0024 | 10.0293 | 0.1354 | 0.4384 | 0.0050 | 2512 | 25 | 2437 | 12 | 2343 | 23 | 3.86% |
| 18XY13-1-08 | 501.36 | 69.70 | 0.14 | 0.1658 | 0.0014 | 9.9751 | 0.1199 | 0.4355 | 0.0037 | 2515 | 14 | 2432 | 11 | 2331 | 17 | 4.19% |
| 18XY13-1-22 | 423.63 | 245.11 | 0.58 | 0.1662 | 0.0009 | 9.9850 | 0.1021 | 0.4356 | 0.0036 | 2520 | 9 | 2433 | 9 | 2331 | 16 | 4.21% |

Discordance = (207Pb/235U age - 206Pb/238U age)/ 207Pb/235U age