## Table 1. He Results Overview
| Table 1. (U-Th)/He Results Summarya | Unnamed: 1 | Unnamed: 2 | Unnamed: 3 | Unnamed: 4 | Unnamed: 5 | Unnamed: 6 | Unnamed: 7 | Unnamed: 8 | Unnamed: 9 | Unnamed: 10 | Unnamed: 11 | Unnamed: 12 | Unnamed: 13 | Unnamed: 14 | Unnamed: 15 | Unnamed: 16 | Unnamed: 17 | Unnamed: 18 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NaN | Sample | NaN | NaN | NaN | NaN | Apatite Hec | NaN | NaN | NaN | NaN | NaN | NaN | Zircon Hec | NaN | NaN | NaN | NaN | NaN |
| Sample | Elev. | Latitude | Longitude | Rockb | NaN | # | Age avg. | s.d. | s.d. | Age range | [eU] range | NaN | # | Age avg. | s.d. | s.d | Age range | [eU] range |
| NaN | (m) | NaN | NaN | NaN | NaN | NaN | (Ma) | (Ma) | % | (Ma) | (ppm) | NaN | NaN | (Ma) | (Ma) | % | (Ma) | (ppm) |
| Range Front | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN |
| 13BC-A\* | 2255.52 | 39.981762 | -105.374198 | Ppz | NaN | 4 | 58.758169 | 1.89107 | 0.032184 | 58-62 | 35-68 | NaN | 6 | 58.688984 | 7.154718 | 0.12 | 50-67 | 1178-2344 |
| 13BC-B\* | 2453.64 | 39.961931 | -105.377017 | Ppz | NaN | 4 | 56.803603 | 7.08023 | 0.124644 | 47-64 | 2-13 | NaN | 6 | – | – | 0.66 | 147-607 | 379-821 |
| 13BC-C\* | 2468.88 | 39.98217 | -105.387084 | Ppz | NaN | 4 | 57.400939 | 3.218545 | 0.056071 | 54-60 | 24-58 | NaN | 6 | – | – | 0.3 | 62-129 | 601-1340 |
| 13BC-D | 2194.56 | 39.988535 | -105.369257 | Ppz | NaN | 4 | 59.284141 | 3.964504 | 0.066873 | 56-64 | 45-83 | NaN | 6 | – | – | 0.21 | 54-96 | 778-1634 |
| 13BC-E | 2057.4 | 39.995788 | -105.354946 | Ppz | NaN | 4 | 58.886068 | 3.87527 | 0.06581 | 54-63 | 28-90 | NaN | 6 | 68.563333 | 5.077171 | 0.07 | 65-79 | 736-1651 |
| 13BC-F | 1905 | 40.001652 | -105.352341 | Ppz | NaN | 4 | 53.586241 | 7.91736 | 0.14775 | 42-59 | 33-96 | NaN | 6 | – | – | 0.27 | 59-110 | 631-1788 |
| 13BC-Gd | NaN | NaN | NaN | Ppz | NaN | 4 | 56.523704 | 3.677404 | 0.06506 | 53-61 | 32-86 | NaN | 6 | 60.663825 | 7.755083 | 0.13 | 50-74 | 851-1377 |
| Range Middle | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN |
| 16NBC-B02 | 2600 | 40.025556 | -105.423778 | Ppz | NaN | 4 | 50.194972 | 1.575614 | 0.03139 | 48-52 | 11-14 | NaN | 6 | – | – | 0.19 | 47-86 | 531-1072 |
| 16NBC-B01 | 2728 | 40.02675 | -105.418833 | CMB | NaN | 4 | 54.695697 | 8.077527 | 0.147681 | 46-65 | 26-41 | NaN | 0 | – | – | – | – | – |
| 16FM-B06 | 2612 | 40.048056 | -105.466417 | CMB | NaN | 4 | 48.453699 | 7.299549 | 0.15 | 41-56 | 21-33 | NaN | 0 | – | – | – | – | – |
| Divide | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN |
| 16MBC-B01\* | 3925 | 40.014278 | -105.638583 | Ppz | NaN | 4 | 55.129858 | 2.010469 | 0.036468 | 52-57 | 23-60 | NaN | 6 | – | – | 0.18 | 73-108 | 343-921 |
| 16MBC-B02 | 3712 | 40.01 | -105.645889 | Ppz | NaN | 4 | 55.757962 | 2.046366 | 0.036701 | 52-57 | 24-51 | NaN | 6 | 75.243333 | 7.13165 | 0.09 | 67-83 | 289-762 |
| 16MBC-B03 | 3363 | 40.006167 | -105.650861 | Ppz | NaN | 4 | 39.208771 | 4.120594 | 0.105094 | 35-44 | 4-24 | NaN | 0 | – | – | – | – | – |
| 16MBC-B04\* | 3254 | 40.003194 | -105.6436 | Ppz | NaN | 4 | 46.203463 | 2.449905 | 0.053024 | 44-49 | 11-23 | NaN | 6 | 71.586667 | 5.820906 | 0.08 | 66-81 | 375-865 |
| \*sample used in thermal history modeling (Fig. 3) | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN |
| aData from Murray, Niemi, et al., 2022 | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN |
| bRock type. Ppz—Paleoproterozoic crystalline rock; CMB—Colorado Mineral Belt pluton | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN |
| c(U-Th)/He ages reported as an average only for samples with s.d.≤15%, our threshold for instrasample reproducability. | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN |
| dSample location not recorded, but it was collected close to 13BC-F. | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN |

## Table 1. CMB Ages
| Table S1. Colorado Mineral Belt Results | Unnamed: 1 | Unnamed: 2 | Unnamed: 3 | Unnamed: 4 | Unnamed: 5 | Unnamed: 6 | Unnamed: 7 |
| --- | --- | --- | --- | --- | --- | --- | --- |
| NaN | Sample | NaN | NaN | NaN | NaN | Zircon U/Pb | NaN |
| Pluton | Name | Lat | Long | Elevation | NaN | Age | ±2σ |
| NaN | NaN | (WGS84) | NaN | (m) | NaN | (Ma) | (Ma) |
| Sugarloaf | 16NBC-B01 | 40.02675 | -105.418833 | 2728 | NaN | 46.61 | 0.52 |
| Sunset | 16FM-B06\* | 40.048056 | -105.466417 | 2612 | NaN | 47.22 | 0.48 |
| Bald Mountain | 16FM-B05 | 40.039056 | -105.451778 | 2427 | NaN | 47.4 | 0.57 |
| North Fork | 16MBC-B05 | 39.97025 | -105.603972 | 2887 | NaN | 66.29 | 0.75 |
| Caribou | 16MBC-B08 | 39.981194 | -105.580389 | 3080 | NaN | 66.59 | 0.79 |
| Eldora (Bryan Mtn.) | 16MBC-B07 | 39.951639 | -105.58725 | 2732 | NaN | 67.22 | 0.87 |
| \*U/Pb data table calls the grains from this sample FMB01, the result of a typo | NaN | NaN | NaN | NaN | NaN | NaN | NaN |

## Table 2. CMB Data
| Table S2. Complete U-Pb geochronologic analyses. | Unnamed: 1 | Unnamed: 2 | Unnamed: 3 | Unnamed: 4 | Unnamed: 5 | Unnamed: 6 | Unnamed: 7 | Unnamed: 8 | Unnamed: 9 | Unnamed: 10 | Unnamed: 11 | Unnamed: 12 | Unnamed: 13 | Unnamed: 14 | Unnamed: 15 | Unnamed: 16 | Unnamed: 17 | Unnamed: 18 | Unnamed: 19 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NaN | NaN | Isotope ratios | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | Apparent ages (Ma) | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN |
| Analysis | U | 206Pb | U/Th | 206Pb\* | ± | 207Pb\* | ± | 206Pb\* | ± | error | 206Pb\* | ± | 207Pb\* | ± | 206Pb\* | ± | Best age | ± | Conc |
| NaN | (ppm) | 204Pb | NaN | 207Pb\* | (%) | 235U\* | (%) | 238U | (%) | corr. | 238U\* | (Ma) | 235U | (Ma) | 207Pb\* | (Ma) | (Ma) | (Ma) | (%) |
| 16NBC-B01 | Sugarloaf stock | final age = 46.61 ± 0.52 (2σ), n = 25, MSWD = 0.59, probability = 0.95 | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN |
| -16NBC-BO1 Spot 3 R2 | 1698.281822 | 37657.131303 | 1.311616 | 21.004263 | 1.103262 | 0.045594 | 2.72729 | 0.006949 | 2.494178 | 0.914526 | 44.638732 | 1.109524 | 45.270519 | 1.20754 | 79.880114 | 26.196933 | 44.638732 | 1.109524 | NaN |
| -16NBC-BO1 Spot 5 R3 | 753.011667 | 25876.148706 | 1.929087 | 21.264051 | 1.573405 | 0.045899 | 3.327889 | 0.007082 | 2.932447 | 0.881173 | 45.490253 | 1.329282 | 45.566775 | 1.482891 | 50.658963 | 37.577115 | 45.490253 | 1.329282 | NaN |
| -16NBC-BO1 Spot 7 R4 | 749.581273 | 23685.772736 | 2.055285 | 20.844883 | 1.544561 | 0.047099 | 2.34703 | 0.007124 | 1.767169 | 0.752938 | 45.758877 | 0.805773 | 46.731522 | 1.071947 | 97.98084 | 36.552187 | 45.758877 | 0.805773 | NaN |
| -16NBC-BO1 Spot 28 | 730.832056 | 12231.042096 | 1.005113 | 21.481686 | 1.619247 | 0.045803 | 2.659889 | 0.007139 | 2.110225 | 0.793351 | 45.859109 | 0.964297 | 45.474254 | 1.18288 | 26.250491 | 38.83417 | 45.859109 | 0.964297 | NaN |
| -16NBC-BO1 Spot 27 | 666.330228 | 6764.319526 | 1.450357 | 21.804559 | 2.886401 | 0.045202 | 3.940037 | 0.007151 | 2.681899 | 0.680679 | 45.937383 | 1.227615 | 44.890625 | 1.730181 | NaN | NaN | 45.937383 | 1.227615 | NaN |
| -16NBC-BO1 Spot 6 C3 | 230.068175 | 2356.548148 | 2.673375 | 25.174965 | 3.728365 | 0.039163 | 4.389247 | 0.007154 | 2.316199 | 0.527699 | 45.951979 | 1.060555 | 39.006729 | 1.679634 | NaN | NaN | 45.951979 | 1.060555 | NaN |
| -16NBC-BO1 Spot 23 | 213.115743 | 6218.533189 | 1.171525 | 22.086063 | 2.590661 | 0.044734 | 3.382961 | 0.007169 | 2.175523 | 0.643083 | 46.047759 | 0.99821 | 44.43536 | 1.470814 | NaN | NaN | 46.047759 | 0.99821 | NaN |
| -16NBC-BO1 Spot 4 C2 | 534.069068 | 12757.536785 | 1.355138 | 20.934126 | 1.697418 | 0.047258 | 3.260381 | 0.007178 | 2.783677 | 0.853789 | 46.108296 | 1.278927 | 46.885324 | 1.493886 | 87.861668 | 40.26399 | 46.108296 | 1.278927 | NaN |
| -16NBC-BO1 Spot 14 | 705.45754 | 12666.151857 | 1.924079 | 21.656236 | 1.808572 | 0.045937 | 2.683313 | 0.007218 | 1.982231 | 0.738725 | 46.364504 | 0.915754 | 45.603704 | 1.196618 | 6.845567 | 43.524308 | 46.364504 | 0.915754 | NaN |
| -16NBC-BO1 Spot 21 | 572.895369 | 110513.316138 | 2.628323 | 21.189855 | 1.51362 | 0.046983 | 2.495997 | 0.007224 | 1.98468 | 0.795145 | 46.399492 | 0.917575 | 46.619228 | 1.137307 | 58.996419 | 36.084558 | 46.399492 | 0.917575 | NaN |
| -16NBC-BO1 Spot 19 | 1011.649984 | 59929.521518 | 1.688565 | 21.090242 | 1.540175 | 0.047406 | 2.487967 | 0.007254 | 1.953929 | 0.785352 | 46.595812 | 0.907167 | 47.028761 | 1.143377 | 70.191484 | 36.656188 | 46.595812 | 0.907167 | NaN |
| -16NBC-BO1 Spot 12 | 352.46269 | 5047.426438 | 5.595791 | 22.794963 | 2.734948 | 0.043895 | 3.688186 | 0.00726 | 2.474424 | 0.670905 | 46.632823 | 1.14973 | 43.620101 | 1.574725 | NaN | NaN | 46.632823 | 1.14973 | NaN |
| -16NBC-BO1 Spot 13 | 334.120523 | 56594.015888 | 1.695484 | 22.129259 | 2.056806 | 0.045224 | 2.921726 | 0.007261 | 2.075098 | 0.71023 | 46.641449 | 0.964363 | 44.91186 | 1.283605 | NaN | NaN | 46.641449 | 0.964363 | NaN |
| -16NBC-BO1 Spot 8 C4 | 582.733002 | 11493.365048 | 1.565926 | 21.925084 | 1.853505 | 0.045649 | 2.927829 | 0.007262 | 2.26643 | 0.774099 | 46.644841 | 1.053357 | 45.324134 | 1.297832 | NaN | NaN | 46.644841 | 1.053357 | NaN |
| -16NBC-BO1 Spot 25 | 707.1371 | 6272.940383 | 2.394486 | 21.816541 | 2.092216 | 0.04602 | 3.253815 | 0.007285 | 2.491976 | 0.765863 | 46.791078 | 1.161801 | 45.684781 | 1.453554 | NaN | NaN | 46.791078 | 1.161801 | NaN |
| -16NBC-BO1 Spot 9 R5 | 614.617207 | 14028.593149 | 2.416746 | 21.651818 | 1.487621 | 0.046387 | 2.948658 | 0.007287 | 2.545893 | 0.863407 | 46.807732 | 1.187359 | 46.040656 | 1.327264 | 7.320597 | 35.786795 | 46.807732 | 1.187359 | NaN |
| -16NBC-BO1 Spot 29 | 578.611321 | 17289.361278 | 1.51693 | 21.085506 | 1.537915 | 0.047636 | 2.80097 | 0.007288 | 2.340994 | 0.83578 | 46.810889 | 1.091871 | 47.252001 | 1.293192 | 70.733149 | 36.584677 | 46.810889 | 1.091871 | NaN |
| -16NBC-BO1 Spot 20 | 548.094652 | 166497.469639 | 1.579799 | 20.776128 | 1.449868 | 0.048479 | 2.640421 | 0.007308 | 2.206741 | 0.835753 | 46.940336 | 1.032089 | 48.069229 | 1.239656 | 105.747465 | 34.247671 | 46.940336 | 1.032089 | NaN |
| -16NBC-BO1 Spot 31 | 338.938833 | 12404.726814 | 2.124692 | 20.500052 | 2.380748 | 0.049236 | 3.272195 | 0.007324 | 2.244838 | 0.686034 | 47.038849 | 1.052103 | 48.801456 | 1.559113 | 137.310865 | 55.957089 | 47.038849 | 1.052103 | NaN |
| -16NBC-BO1 Spot 33 | 2655.713564 | 745111.882899 | 0.804623 | 21.073749 | 0.990613 | 0.04792 | 2.035668 | 0.007327 | 1.778379 | 0.873609 | 47.062476 | 0.833901 | 47.526908 | 0.945197 | 72.05024 | 23.563306 | 47.062476 | 0.833901 | NaN |
| -16NBC-BO1 Spot 11 | 611.866961 | 8137.853105 | 1.963472 | 21.931919 | 1.666147 | 0.046121 | 2.781457 | 0.007339 | 2.227208 | 0.800734 | 47.140613 | 1.04609 | 45.782935 | 1.245151 | NaN | NaN | 47.140613 | 1.04609 | NaN |
| -16NBC-BO1 Spot 34 | 234.134652 | 2179.407811 | 0.558004 | 21.652948 | 2.636739 | 0.046802 | 3.800918 | 0.007353 | 2.737624 | 0.720253 | 47.22757 | 1.288189 | 46.443424 | 1.725515 | 7.185132 | 63.467436 | 47.22757 | 1.288189 | NaN |
| -16NBC-BO1 Spot 35 | 2566.532555 | 39298.259131 | 0.689052 | 20.744115 | 0.902206 | 0.048883 | 2.193337 | 0.007358 | 1.999188 | 0.911482 | 47.257434 | 0.94131 | 48.46042 | 1.037935 | 109.390106 | 21.303883 | 47.257434 | 0.94131 | NaN |
| -16NBC-BO1 Spot 15 | 421.514319 | 20760.558862 | 2.536759 | 22.63915 | 1.871443 | 0.04527 | 3.05699 | 0.007436 | 2.417207 | 0.790715 | 47.759779 | 1.150187 | 44.955861 | 1.344318 | NaN | NaN | 47.759779 | 1.150187 | NaN |
| -16NBC-BO1 Spot 26 | 1356.46547 | 108747.884564 | 1.70759 | 21.052776 | 1.503917 | 0.04936 | 2.312205 | 0.00754 | 1.756282 | 0.75957 | 48.423391 | 0.847265 | 48.921274 | 1.104343 | 74.444794 | 35.760864 | 48.423391 | 0.847265 | NaN |
| -16NBC-BO1 Spot 10 C5 | 260.073171 | 10182.951541 | 1.647244 | 13.735866 | 2.19998 | 0.208498 | 9.521331 | 0.02078 | 9.263683 | 0.97294 | 132.583596 | 12.156697 | 192.29133 | 16.681007 | 1008.429426 | 44.625684 | 132.583596 | 12.156697 | NaN |
| -16NBC-BO1 Spot 30 | 22.029159 | 115973.198922 | 1.600894 | 11.269224 | 1.41582 | 2.965273 | 2.477051 | 0.242464 | 2.032545 | 0.82055 | 1399.491769 | 25.569568 | 1398.766077 | 18.810754 | 1398.476366 | 27.140249 | 1398.476366 | 27.140249 | 100.072608 |
| -16NBC-BO1 Spot 17 | 49.101449 | 10783.432995 | 0.865165 | 11.142561 | 0.914519 | 2.927727 | 2.801313 | 0.236703 | 2.647831 | 0.945211 | 1369.532686 | 32.670081 | 1389.10574 | 21.205278 | 1420.111293 | 17.478692 | 1420.111293 | 17.478692 | 96.438405 |
| -16NBC-BO1 Spot 24 | 326.396248 | 5230926.576357 | 5.463454 | 10.497987 | 0.795055 | 3.359666 | 2.282833 | 0.255912 | 2.139909 | 0.937392 | 1468.890624 | 28.109115 | 1495.04544 | 17.864533 | 1533.130203 | 14.965456 | 1533.130203 | 14.965456 | 95.809907 |
| -16NBC-BO1 Spot 2 C1 | 581.604034 | 216684.556779 | 4.169075 | 10.178857 | 0.816551 | 3.545247 | 2.322298 | 0.261838 | 2.174008 | 0.936145 | 1499.240265 | 29.081168 | 1537.373188 | 18.394347 | 1591.019716 | 15.255411 | 1591.019716 | 15.255411 | 94.231407 |
| -16NBC-BO1 Spot 32 | 1168.576043 | 1737472.686969 | 2.08796 | 10.167056 | 0.876605 | 3.819551 | 2.567583 | 0.28177 | 2.413306 | 0.939914 | 1600.2721 | 34.199499 | 1596.873407 | 20.664271 | 1593.186596 | 16.372797 | 1593.186596 | 16.372797 | 100.444738 |
| -16NBC-BO1 Spot 22 | 435.687463 | 526832.195375 | 2.27096 | 9.662999 | 0.862018 | 4.03866 | 2.35152 | 0.283163 | 2.187824 | 0.930387 | 1607.273909 | 31.123539 | 1642.016731 | 19.140457 | 1687.573679 | 15.904569 | 1687.573679 | 15.904569 | 95.241703 |
| 16FM-B06 | Sunset stock | final age = 47.22 ± 0.48 (2σ), n = 33, MSWD = 1.3, probability = 0.11 | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN |
| -16FM-BO1 Spot 37 C1 | 1181.765462 | 17683.98892 | 7.328006 | 21.250906 | 1.247945 | 0.045724 | 2.610793 | 0.00705 | 2.293223 | 0.878363 | 45.289402 | 1.034947 | 45.396769 | 1.159112 | 52.094915 | 29.776466 | 45.289402 | 1.034947 | NaN |
| -16FM-BO1 Spot 41 C3 | 681.19625 | 8578.507983 | 11.444754 | 21.949996 | 2.571898 | 0.044578 | 3.844229 | 0.0071 | 2.857173 | 0.743237 | 45.605718 | 1.298436 | 44.283422 | 1.665769 | NaN | NaN | 45.605718 | 1.298436 | NaN |
| -16FM-BO1 Spot 52 | 2710.756743 | 105719.179672 | 1.797917 | 21.054252 | 1.17433 | 0.046696 | 2.083929 | 0.007134 | 1.721543 | 0.826104 | 45.822751 | 0.786061 | 46.340611 | 0.944 | 74.23157 | 27.896559 | 45.822751 | 0.786061 | NaN |
| -16FM-BO1 Spot 39 C2 | 1518.875555 | 33441.682646 | 5.930008 | 20.87396 | 1.289443 | 0.047185 | 2.959233 | 0.007147 | 2.663531 | 0.900075 | 45.906228 | 1.218383 | 46.81529 | 1.353922 | 94.663581 | 30.512845 | 45.906228 | 1.218383 | NaN |
| -16FM-BO1 Spot 53 | 1649.004468 | 15824.8665 | 3.20172 | 21.589585 | 1.141972 | 0.045691 | 2.619377 | 0.007157 | 2.357337 | 0.899961 | 45.97581 | 1.079949 | 45.364998 | 1.162127 | 14.25263 | 27.452707 | 45.97581 | 1.079949 | NaN |
| -16FM-BO1 Spot 45 C5 | 1231.846889 | 22071.752147 | 8.157452 | 21.185656 | 1.279329 | 0.046566 | 2.329804 | 0.007158 | 1.947128 | 0.835747 | 45.980136 | 0.892107 | 46.214811 | 1.05258 | 59.469447 | 30.492635 | 45.980136 | 0.892107 | NaN |
| -16FM-BO1 Spot 48 | 1644.9499 | 53710.538806 | 8.199149 | 20.857254 | 1.150239 | 0.047547 | 2.4648 | 0.007196 | 2.179951 | 0.884433 | 46.219658 | 1.003963 | 47.165629 | 1.135951 | 96.553292 | 27.215441 | 46.219658 | 1.003963 | NaN |
| -16FM-BO1 Spot 51 | 1134.736323 | 12757.168935 | 2.215728 | 21.844741 | 1.355327 | 0.04564 | 2.657591 | 0.007234 | 2.286019 | 0.860184 | 46.465503 | 1.058391 | 45.315494 | 1.177823 | NaN | NaN | 46.465503 | 1.058391 | NaN |
| -16FM-BO1 Spot 56 | 1617.048913 | 107911.878999 | 3.880057 | 21.137725 | 1.221055 | 0.047365 | 2.456171 | 0.007264 | 2.13115 | 0.867672 | 46.660377 | 0.990812 | 46.989291 | 1.12784 | 64.851683 | 29.098843 | 46.660377 | 0.990812 | NaN |
| -16FM-BO1 Spot 46 | 2354.775986 | 125509.980641 | 4.564469 | 21.018487 | 1.332693 | 0.047682 | 2.093473 | 0.007272 | 1.614484 | 0.771199 | 46.708019 | 0.751368 | 47.297063 | 0.967444 | 78.271501 | 31.647082 | 46.708019 | 0.751368 | NaN |
| -16FM-BO1 Spot 60 | 2392.570121 | 104805.689931 | 4.199712 | 21.178352 | 1.099423 | 0.047373 | 2.865252 | 0.00728 | 2.645928 | 0.923454 | 46.757403 | 1.232691 | 46.99685 | 1.315891 | 60.259196 | 26.201654 | 46.757403 | 1.232691 | NaN |
| -16FM-BO1 Spot 36 R1 | 1332.802678 | 33585.608134 | 2.626449 | 21.421082 | 0.994894 | 0.046889 | 2.36433 | 0.007288 | 2.144817 | 0.907157 | 46.810142 | 1.000356 | 46.52774 | 1.075246 | 33.044483 | 23.814975 | 46.810142 | 1.000356 | NaN |
| -16FM-BO1 Spot 58 | 2294.59714 | 22021.530258 | 2.406089 | 21.084279 | 1.234168 | 0.047659 | 2.65841 | 0.007291 | 2.354564 | 0.885704 | 46.830636 | 1.098662 | 47.274236 | 1.227937 | 70.880896 | 29.347563 | 46.830636 | 1.098662 | NaN |
| -16FM-BO1 Spot 49 | 1422.333891 | 23564.754695 | 2.031868 | 21.781985 | 1.157149 | 0.046143 | 2.310749 | 0.007293 | 2.000142 | 0.865582 | 46.841367 | 0.933498 | 45.803908 | 1.034896 | NaN | NaN | 46.841367 | 0.933498 | NaN |
| -16FM-BO1 Spot 59 | 1283.652783 | 47922.480071 | 5.40529 | 21.546443 | 1.224028 | 0.046792 | 2.960263 | 0.007315 | 2.69535 | 0.91051 | 46.986524 | 1.261847 | 46.434125 | 1.343617 | 19.067809 | 29.38554 | 46.986524 | 1.261847 | NaN |
| -16FM-BO1 Spot 38 R2 | 2828.496414 | 57199.908194 | 2.267614 | 20.825721 | 1.061236 | 0.04856 | 2.423065 | 0.007338 | 2.178307 | 0.898988 | 47.129605 | 1.022884 | 48.146969 | 1.139405 | 100.148668 | 25.092553 | 47.129605 | 1.022884 | NaN |
| -16FM-BO1 Spot 54 | 2101.061205 | 109852.917956 | 2.008351 | 21.196174 | 1.067821 | 0.047739 | 2.371008 | 0.007342 | 2.116941 | 0.892844 | 47.157608 | 0.994656 | 47.352369 | 1.096952 | 58.240298 | 25.452666 | 47.157608 | 0.994656 | NaN |
| -16FM-BO1 Spot 47 | 2223.32282 | 23689.494973 | 1.369389 | 21.367078 | 1.144185 | 0.047399 | 2.569469 | 0.007349 | 2.300654 | 0.895381 | 47.198964 | 1.081919 | 47.022659 | 1.180683 | 39.105722 | 27.386656 | 47.198964 | 1.081919 | NaN |
| -16FM-BO1 Spot 42 R4 | 4260.559137 | 71904.900093 | 1.019637 | 21.126991 | 0.962463 | 0.047954 | 2.295795 | 0.007351 | 2.084308 | 0.907881 | 47.214981 | 0.980511 | 47.560528 | 1.066715 | 66.060624 | 22.926523 | 47.214981 | 0.980511 | NaN |
| -16FM-BO1 Spot 43 C4 | 1564.734038 | 51221.517601 | 2.687116 | 21.443723 | 1.258096 | 0.047246 | 2.604746 | 0.007351 | 2.280766 | 0.87562 | 47.215319 | 1.072937 | 46.874335 | 1.193204 | 30.485173 | 30.161335 | 47.215319 | 1.072937 | NaN |
| -16FM-BO1 Spot 69 | 2798.157014 | 38555.733119 | 1.230193 | 21.302128 | 1.15504 | 0.047685 | 2.426854 | 0.00737 | 2.134363 | 0.879477 | 47.338771 | 1.00668 | 47.299751 | 1.121571 | 46.346657 | 27.582592 | 47.338771 | 1.00668 | NaN |
| -16FM-BO1 Spot 40 R3 | 2462.499081 | 115691.474133 | 4.879264 | 21.235874 | 1.007386 | 0.047851 | 1.988221 | 0.007373 | 1.714117 | 0.862136 | 47.355072 | 0.808747 | 47.459947 | 0.921896 | 53.801849 | 24.024304 | 47.355072 | 0.808747 | NaN |
| -16FM-BO1 Spot 50 | 2304.148487 | 292158.817493 | 1.806751 | 21.17745 | 1.095379 | 0.048414 | 2.536671 | 0.007439 | 2.287979 | 0.901961 | 47.779113 | 1.089135 | 48.005611 | 1.189407 | 60.376139 | 26.119992 | 47.779113 | 1.089135 | NaN |
| -16FM-BO1 Spot 55 | 3290.750473 | 50167.208539 | 4.581235 | 21.383587 | 0.952963 | 0.047995 | 2.573726 | 0.007447 | 2.3908 | 0.928926 | 47.826526 | 1.139206 | 47.599778 | 1.196817 | 37.212035 | 22.80898 | 47.826526 | 1.139206 | NaN |
| -16FM-BO1 Spot 65 | 1585.775875 | 48620.76651 | 3.80698 | 21.326365 | 1.0111 | 0.048235 | 2.658207 | 0.007464 | 2.458402 | 0.924835 | 47.936967 | 1.174113 | 47.83259 | 1.242006 | 43.645451 | 24.185008 | 47.936967 | 1.174113 | NaN |
| -16FM-BO1 Spot 63 | 2003.105306 | 49278.681164 | 7.90575 | 21.242758 | 1.131203 | 0.04849 | 2.473155 | 0.007474 | 2.199289 | 0.889265 | 48.001366 | 1.051768 | 48.079705 | 1.161373 | 53.007208 | 26.972307 | 48.001366 | 1.051768 | NaN |
| -16FM-BO1 Spot 44 R5 | 3110.332784 | 41103.597608 | 3.104026 | 21.39493 | 1.105544 | 0.048181 | 2.675055 | 0.007479 | 2.435917 | 0.910604 | 48.036482 | 1.16578 | 47.7799 | 1.248533 | 35.942087 | 26.475765 | 48.036482 | 1.16578 | NaN |
| -16FM-BO1 Spot 57 | 1892.940491 | 23506.327063 | 2.305377 | 21.506523 | 1.177955 | 0.048012 | 2.36308 | 0.007492 | 2.048552 | 0.866899 | 48.11795 | 0.982052 | 47.616749 | 1.099246 | 23.496817 | 28.25737 | 48.11795 | 0.982052 | NaN |
| -16FM-BO1 Spot 70 | 2650.740351 | 58009.605611 | 1.109216 | 21.18272 | 0.99536 | 0.04892 | 2.500976 | 0.007519 | 2.294372 | 0.91739 | 48.289139 | 1.103793 | 48.496099 | 1.184368 | 59.799614 | 23.723106 | 48.289139 | 1.103793 | NaN |
| -16FM-BO1 Spot 67 | 1421.690976 | 20357.177422 | 1.750148 | 22.538485 | 1.522416 | 0.046663 | 3.180013 | 0.007631 | 2.791904 | 0.877954 | 49.005909 | 1.363011 | 46.308262 | 1.439534 | NaN | NaN | 49.005909 | 1.363011 | NaN |
| -16FM-BO1 Spot 68 | 4188.727646 | 34392.504253 | 3.371721 | 21.272584 | 0.961497 | 0.050215 | 2.077051 | 0.007751 | 1.841104 | 0.886403 | 49.77147 | 0.912816 | 49.748421 | 1.008396 | 49.700658 | 22.972294 | 49.77147 | 0.912816 | NaN |
| -16FM-BO1 Spot 62 | 776.360439 | 31841.082024 | 0.777568 | 21.405695 | 1.744284 | 0.049972 | 2.970906 | 0.007761 | 2.404944 | 0.809499 | 49.840355 | 1.194011 | 49.513525 | 1.435712 | 34.738258 | 41.748504 | 49.840355 | 1.194011 | NaN |
| -16FM-BO1 Spot 66 | 1822.807755 | 46596.03701 | 7.950555 | 20.185066 | 1.167213 | 0.053532 | 2.425718 | 0.00784 | 2.126433 | 0.87662 | 50.344767 | 1.066378 | 52.950729 | 1.25152 | 173.518459 | 27.228011 | 50.344767 | 1.066378 | NaN |
| -16FM-BO1 Spot 64 | 465.787605 | 1419193.681356 | 5.285132 | 11.03144 | 1.166565 | 2.503122 | 2.891719 | 0.200356 | 2.645971 | 0.915017 | 1177.23147 | 28.470696 | 1272.939557 | 20.983336 | 1439.241848 | 22.238525 | 1439.241848 | 22.238525 | 81.79525 |
| 16FM-B05 | Bald Mountain stock | final age = 47.40 ± 0.57 (2σ), n = 25, MSWD = 0.36, probability = 0.998 | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN |
| -16FM-BO5 Spot 45 C5 | 690.066324 | 73267.370041 | 1.768826 | 20.931077 | 1.426838 | 0.047339 | 3.207864 | 0.00719 | 2.873069 | 0.895633 | 46.180897 | 1.322068 | 46.96441 | 1.472245 | 88.20728 | 33.837967 | 46.180897 | 1.322068 | NaN |
| -16FM-BO5 Spot 39 C2 | 1224.247689 | 93335.303889 | 4.824227 | 21.014011 | 1.279044 | 0.047395 | 2.705679 | 0.007226 | 2.38427 | 0.88121 | 46.417244 | 1.102738 | 47.018079 | 1.243154 | 78.778363 | 30.384263 | 46.417244 | 1.102738 | NaN |
| -16FM-BO5 Spot 70 | 2254.263638 | 13756.359253 | 2.604497 | 21.684138 | 1.107182 | 0.046044 | 2.978094 | 0.007244 | 2.764632 | 0.928323 | 46.531798 | 1.281801 | 45.7076 | 1.331033 | 3.699148 | 26.653067 | 46.531798 | 1.281801 | NaN |
| -16FM-BO5 Spot 44 R5 | 1813.02316 | 16432.65917 | 1.018336 | 21.659247 | 1.274589 | 0.046142 | 2.919842 | 0.007252 | 2.626957 | 0.899691 | 46.577691 | 1.219166 | 45.803249 | 1.307668 | 6.49004 | 30.663198 | 46.577691 | 1.219166 | NaN |
| -16FM-BO5 Spot 41 C3 | 1659.999731 | 18950.950371 | 1.382939 | 21.075573 | 1.358062 | 0.047477 | 2.499334 | 0.00726 | 2.098175 | 0.839494 | 46.632978 | 0.974911 | 47.097558 | 1.150243 | 71.871735 | 32.280836 | 46.632978 | 0.974911 | NaN |
| -16FM-BO5 Spot 58 | 2032.792978 | 15362.637871 | 1.147656 | 21.537954 | 1.17665 | 0.046622 | 2.540192 | 0.007286 | 2.251237 | 0.886247 | 46.797926 | 1.049717 | 46.269084 | 1.148947 | 19.993783 | 28.251456 | 46.797926 | 1.049717 | NaN |
| -16FM-BO5 Spot 54 | 565.546907 | 15650.902103 | 1.480874 | 21.208686 | 1.362893 | 0.047407 | 2.998199 | 0.007295 | 2.670528 | 0.890711 | 46.857783 | 1.246813 | 47.029975 | 1.377897 | 56.862392 | 32.508679 | 46.857783 | 1.246813 | NaN |
| -16FM-BO5 Spot 40 R3 | 2438.232894 | 26484.732906 | 1.031404 | 20.234115 | 1.028007 | 0.049762 | 2.577446 | 0.007306 | 2.363563 | 0.917017 | 46.925608 | 1.105089 | 49.31092 | 1.240595 | 167.852185 | 24.026321 | 46.925608 | 1.105089 | NaN |
| -16FM-BO5 Spot 37 C1 | 2053.340878 | 9572.459707 | 1.676876 | 19.436893 | 1.342216 | 0.051804 | 2.260046 | 0.007306 | 1.818313 | 0.804547 | 46.926304 | 0.850169 | 51.283955 | 1.130258 | 260.971726 | 30.838523 | 46.926304 | 0.850169 | NaN |
| -16FM-BO5 Spot 47 | 2446.203241 | 655850.703675 | 5.342141 | 20.821096 | 0.980345 | 0.048811 | 2.701227 | 0.007374 | 2.517052 | 0.931818 | 47.361914 | 1.187755 | 48.390075 | 1.276468 | 100.643295 | 23.188102 | 47.361914 | 1.187755 | NaN |
| -16FM-BO5 Spot 46 | 1684.025986 | 63051.224213 | 1.268753 | 21.461767 | 1.296965 | 0.047428 | 3.031543 | 0.007386 | 2.740098 | 0.903862 | 47.436085 | 1.295025 | 47.050603 | 1.393818 | 28.477844 | 31.095125 | 47.436085 | 1.295025 | NaN |
| -16FM-BO5 Spot 66 | 878.000253 | 5037.178567 | 1.883085 | 22.341787 | 1.349078 | 0.045613 | 2.428595 | 0.007394 | 2.019421 | 0.831518 | 47.491144 | 0.955522 | 45.289539 | 1.075731 | NaN | NaN | 47.491144 | 0.955522 | NaN |
| -16FM-BO5 Spot 57 | 1838.836101 | 16404.407075 | 1.268486 | 21.32117 | 1.24269 | 0.047909 | 2.619045 | 0.007412 | 2.305454 | 0.880265 | 47.602963 | 1.093423 | 47.517094 | 1.215824 | 44.245742 | 29.715359 | 47.602963 | 1.093423 | NaN |
| -16FM-BO5 Spot 49 | 282.747914 | 2290.021341 | 2.217728 | 24.666679 | 2.106684 | 0.041417 | 3.703817 | 0.007413 | 3.046332 | 0.822485 | 47.609002 | 1.444986 | 41.206425 | 1.495658 | NaN | NaN | 47.609002 | 1.444986 | NaN |
| -16FM-BO5 Spot 68 | 928.159715 | 24490.03176 | 2.148986 | 20.134507 | 1.650563 | 0.050829 | 3.378704 | 0.007426 | 2.948097 | 0.872553 | 47.692663 | 1.400838 | 50.342122 | 1.659436 | 179.367975 | 38.496127 | 47.692663 | 1.400838 | NaN |
| -16FM-BO5 Spot 38 R2 | 1891.780844 | 53185.742958 | 2.013167 | 21.184571 | 1.126038 | 0.048328 | 2.656523 | 0.007429 | 2.406066 | 0.90572 | 47.711132 | 1.143724 | 47.922907 | 1.243508 | 59.591109 | 26.841439 | 47.711132 | 1.143724 | NaN |
| -16FM-BO5 Spot 50 | 1075.39585 | 12470.504058 | 1.762555 | 18.127653 | 1.440917 | 0.056562 | 2.465332 | 0.00744 | 2.000405 | 0.811414 | 47.781389 | 0.952288 | 55.866244 | 1.340086 | 418.868487 | 32.180266 | 47.781389 | 0.952288 | NaN |
| -16FM-BO5 Spot 42 R4 | 1873.184349 | 46309.169369 | 4.294011 | 21.09334 | 1.161977 | 0.048778 | 2.997732 | 0.007465 | 2.763369 | 0.92182 | 47.946636 | 1.320027 | 48.358188 | 1.415671 | 69.840126 | 27.642775 | 47.946636 | 1.320027 | NaN |
| -16FM-BO5 Spot 65 | 815.673795 | 6842.15722 | 1.769215 | 21.811765 | 1.877918 | 0.047197 | 3.014441 | 0.007469 | 2.358024 | 0.782242 | 47.972249 | 1.126998 | 46.826055 | 1.379491 | NaN | NaN | 47.972249 | 1.126998 | NaN |
| -16FM-BO5 Spot 67 | 1514.055496 | 62968.980833 | 1.322691 | 20.991612 | 0.98371 | 0.049118 | 2.761928 | 0.007481 | 2.580807 | 0.934422 | 48.047808 | 1.235411 | 48.687496 | 1.312984 | 81.310426 | 23.366047 | 48.047808 | 1.235411 | NaN |
| -16FM-BO5 Spot 61 | 548.79033 | 2426.452077 | 1.729212 | 24.251543 | 1.96397 | 0.042626 | 3.669863 | 0.007501 | 3.100115 | 0.84475 | 48.171791 | 1.487815 | 42.384328 | 1.523431 | NaN | NaN | 48.171791 | 1.487815 | NaN |
| -16FM-BO5 Spot 51 | 1247.40955 | 56217.052446 | 1.466308 | 21.046812 | 1.248332 | 0.049238 | 2.483972 | 0.007519 | 2.147507 | 0.864545 | 48.29041 | 1.033165 | 48.803108 | 1.183584 | 75.097869 | 29.674595 | 48.29041 | 1.033165 | NaN |
| -16FM-BO5 Spot 55 | 1021.78382 | 11861.074891 | 1.40646 | 21.044551 | 1.940072 | 0.049254 | 3.509089 | 0.007521 | 2.924008 | 0.833267 | 48.300894 | 1.407044 | 48.818613 | 1.67256 | 75.32761 | 46.120283 | 48.300894 | 1.407044 | NaN |
| -16FM-BO5 Spot 59 | 554.434588 | 8941.360152 | 1.664365 | 21.817513 | 2.46174 | 0.048114 | 3.690522 | 0.007617 | 2.749508 | 0.745019 | 48.914423 | 1.339816 | 47.715566 | 1.72022 | NaN | NaN | 48.914423 | 1.339816 | NaN |
| -16FM-BO5 Spot 60 | 493.663746 | 35046.907578 | 2.400291 | 21.091351 | 1.360439 | 0.04978 | 4.06704 | 0.007618 | 3.832756 | 0.942395 | 48.923089 | 1.868005 | 49.327674 | 1.958228 | 70.069377 | 32.38555 | 48.923089 | 1.868005 | NaN |
| -16FM-BO5 Spot 62 | 2518.074083 | 321054.378906 | 1.153656 | 12.541357 | 1.494289 | 0.319123 | 3.136935 | 0.02904 | 2.758163 | 0.879254 | 184.534338 | 5.017599 | 281.22741 | 7.705773 | 1190.48056 | 29.508661 | 184.534338 | 5.017599 | NaN |
| -16FM-BO5 Spot 53 | 143.692631 | 39868.851788 | 0.696792 | 11.109464 | 1.260758 | 3.165423 | 2.754672 | 0.25516 | 2.449226 | 0.889117 | 1465.031815 | 32.096985 | 1448.766609 | 21.258664 | 1425.794357 | 24.078049 | 1425.794357 | 24.078049 | 102.751972 |
| -16FM-BO5 Spot 56 | 154.890091 | 1750556.947284 | 1.530218 | 11.098818 | 0.821098 | 3.046783 | 1.994263 | 0.245361 | 1.817383 | 0.911306 | 1414.508826 | 23.082204 | 1419.426617 | 15.246724 | 1427.625097 | 15.677155 | 1427.625097 | 15.677155 | 99.081252 |
| -16FM-BO5 Spot 69 | 416.390859 | 676590.812132 | 1.43014 | 11.050019 | 1.006476 | 3.072193 | 2.911509 | 0.24632 | 2.732012 | 0.938349 | 1419.46844 | 34.807658 | 1425.78237 | 22.306837 | 1436.03352 | 19.194862 | 1436.03352 | 19.194862 | 98.84647 |
| -16FM-BO5 Spot 48 | 254.330547 | 59276.956598 | 6.729011 | 11.047647 | 0.921296 | 2.902915 | 2.882404 | 0.232698 | 2.731202 | 0.947543 | 1348.621505 | 33.236192 | 1382.671163 | 21.771911 | 1436.442903 | 17.569325 | 1436.442903 | 17.569325 | 93.886189 |
| -16FM-BO5 Spot 52 | 579.28575 | 227444.260019 | 2.062239 | 9.75303 | 0.828241 | 4.190827 | 2.833249 | 0.29657 | 2.709487 | 0.956318 | 1674.27691 | 39.95231 | 1672.227239 | 23.230236 | 1670.442732 | 15.314662 | 1670.442732 | 15.314662 | 100.229531 |
| 16MBC-B05 | North Fork stock | final age = 66.29 ± 0.75 (2σ), n = 34, MSWD = 0.68, probability = 0.91 | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN |
| -16MBC-BO5 Spot 35 | 244.127521 | 1878.788877 | 0.745856 | 24.082214 | 2.313315 | 0.056986 | 3.95436 | 0.009957 | 3.207107 | 0.811031 | 63.872652 | 2.03835 | 56.273726 | 2.164729 | NaN | NaN | 63.872652 | 2.03835 | NaN |
| -16MBC-BO5 Spot 3 C5 | 186.748573 | 2850.75652 | 0.851207 | 22.647225 | 2.748978 | 0.060662 | 3.705205 | 0.009968 | 2.484284 | 0.670485 | 63.941199 | 1.580629 | 59.799029 | 2.151698 | NaN | NaN | 63.941199 | 1.580629 | NaN |
| -16MBC-BO5 Spot 2 C1 | 174.815531 | 4909.894323 | 0.751048 | 23.399231 | 2.289797 | 0.05904 | 3.180406 | 0.010024 | 2.207218 | 0.694005 | 64.296616 | 1.412112 | 58.245495 | 1.800316 | NaN | NaN | 64.296616 | 1.412112 | NaN |
| -16MBC-BO5 Spot 28 | 277.205318 | 3147.204541 | 0.782734 | 22.539388 | 3.051911 | 0.061673 | 3.786746 | 0.010086 | 2.241713 | 0.591989 | 64.693209 | 1.442984 | 60.76611 | 2.233561 | NaN | NaN | 64.693209 | 1.442984 | NaN |
| -16MBC-BO5 Spot 20 C2 | 197.477636 | 157250.733466 | 0.723777 | 21.256089 | 2.784294 | 0.065682 | 3.729842 | 0.01013 | 2.48182 | 0.665396 | 64.974643 | 1.604455 | 64.593378 | 2.334203 | 51.506864 | 66.461417 | 64.974643 | 1.604455 | NaN |
| -16MBC-BO5 Spot 13 | 98.446903 | 1216.029029 | 0.897387 | 27.693397 | 5.123283 | 0.050429 | 5.764168 | 0.010133 | 2.641516 | 0.458265 | 64.993172 | 1.708179 | 49.955064 | 2.809816 | NaN | NaN | 64.993172 | 1.708179 | NaN |
| -16MBC-BO5 Spot 18 C3 | 150.940029 | 18677.669009 | 0.813021 | 20.086988 | 2.584779 | 0.069735 | 3.589494 | 0.010164 | 2.49066 | 0.693875 | 65.189028 | 1.615455 | 68.448042 | 2.37596 | 184.873631 | 60.206396 | 65.189028 | 1.615455 | NaN |
| -16MBC-BO5 Spot 29 | 216.791194 | 3693.119718 | 0.715799 | 22.485295 | 2.871889 | 0.062346 | 4.111634 | 0.010172 | 2.942411 | 0.715631 | 65.239797 | 1.909942 | 61.409883 | 2.450117 | NaN | NaN | 65.239797 | 1.909942 | NaN |
| -16MBC-BO5 Spot 19 | 224.510545 | 2121.939384 | 0.71055 | 24.464782 | 2.364534 | 0.05748 | 3.57701 | 0.010203 | 2.684023 | 0.750354 | 65.442106 | 1.747596 | 56.748393 | 1.974216 | NaN | NaN | 65.442106 | 1.747596 | NaN |
| -16MBC-BO5 Spot 9 | 177.523675 | 1838.33646 | 0.769324 | 25.935902 | 7.177679 | 0.054357 | 7.540066 | 0.010229 | 2.309441 | 0.306289 | 65.607613 | 1.507485 | 53.745743 | 3.947101 | NaN | NaN | 65.607613 | 1.507485 | NaN |
| -16MBC-BO5 Spot 11 | 274.052425 | 6591.804819 | 0.667316 | 22.059362 | 3.29798 | 0.064238 | 4.290537 | 0.010282 | 2.744456 | 0.639653 | 65.942753 | 1.800545 | 63.21669 | 2.629633 | NaN | NaN | 65.942753 | 1.800545 | NaN |
| -16MBC-BO5 Spot 31 | 125.053207 | 1604.092537 | 1.302541 | 22.558691 | 4.159375 | 0.062818 | 4.915982 | 0.010282 | 2.620396 | 0.533036 | 65.944924 | 1.71921 | 61.861158 | 2.950307 | NaN | NaN | 65.944924 | 1.71921 | NaN |
| -16MBC-BO5 Spot 1 R1 | 133.00859 | 56298.941992 | 0.899835 | 19.723969 | 3.554053 | 0.071863 | 4.781917 | 0.010285 | 3.199287 | 0.669039 | 65.960411 | 2.099503 | 70.46605 | 3.255374 | 227.197702 | 82.133478 | 65.960411 | 2.099503 | NaN |
| -16MBC-BO5 Spot 27 | 178.449428 | 3922.419687 | 0.90731 | 21.310598 | 2.824194 | 0.066625 | 4.221925 | 0.010302 | 3.138245 | 0.743321 | 66.07127 | 2.062889 | 65.491853 | 2.677739 | 45.436056 | 67.489884 | 66.07127 | 2.062889 | NaN |
| -16MBC-BO5 Spot 15 C4 | 194.723796 | 21585.600519 | 0.852175 | 21.196045 | 1.990251 | 0.066991 | 3.403022 | 0.010303 | 2.760336 | 0.811143 | 66.077029 | 1.814632 | 65.840155 | 2.169461 | 58.254574 | 47.436826 | 66.077029 | 1.814632 | NaN |
| -16MBC-BO5 Spot 22 | 220.509304 | 1932.562318 | 0.795662 | 25.067006 | 2.644071 | 0.056674 | 4.183209 | 0.010308 | 3.241623 | 0.774913 | 66.109489 | 2.13207 | 55.974289 | 2.278155 | NaN | NaN | 66.109489 | 2.13207 | NaN |
| -16MBC-BO5 Spot 25 | 178.059958 | 34579.697659 | 0.765411 | 21.231416 | 2.406788 | 0.066975 | 4.021124 | 0.010318 | 3.221305 | 0.801096 | 66.170512 | 2.120652 | 65.824453 | 2.562917 | 54.277652 | 57.427312 | 66.170512 | 2.120652 | NaN |
| -16MBC-BO5 Spot 4 R5 | 151.951225 | 25879.604105 | 1.162781 | 21.212188 | 1.784866 | 0.067058 | 3.039732 | 0.010321 | 2.460533 | 0.809457 | 66.193111 | 1.62037 | 65.904123 | 1.939682 | 56.47469 | 42.582882 | 66.193111 | 1.62037 | NaN |
| -16MBC-BO5 Spot 7 | 195.97644 | 4800.660785 | 0.94075 | 22.628019 | 2.761624 | 0.062873 | 3.62682 | 0.010323 | 2.351011 | 0.648229 | 66.203674 | 1.548491 | 61.913249 | 2.178396 | NaN | NaN | 66.203674 | 1.548491 | NaN |
| -16MBC-BO5 Spot 23 | 245.540097 | 9099.322136 | 0.691963 | 22.601632 | 2.373127 | 0.063102 | 3.183233 | 0.010348 | 2.121613 | 0.666496 | 66.367389 | 1.400836 | 62.13282 | 1.918537 | NaN | NaN | 66.367389 | 1.400836 | NaN |
| -16MBC-BO5 Spot 5 R3 | 169.792032 | 1845.237766 | 1.212141 | 25.331478 | 3.703351 | 0.056369 | 4.776068 | 0.010361 | 3.01596 | 0.631474 | 66.445297 | 1.993672 | 55.68082 | 2.587758 | NaN | NaN | 66.445297 | 1.993672 | NaN |
| -16MBC-BO5 Spot 30 | 285.017444 | 8525.950361 | 0.866005 | 21.388415 | 2.472167 | 0.066835 | 3.113501 | 0.010372 | 1.892691 | 0.607898 | 66.519461 | 1.252534 | 65.691963 | 1.980564 | 36.6708 | 59.185029 | 66.519461 | 1.252534 | NaN |
| -16MBC-BO5 Spot 6 | 171.466463 | 15796.459057 | 0.864991 | 21.094872 | 3.286375 | 0.067802 | 4.374878 | 0.010378 | 2.887785 | 0.660084 | 66.554723 | 1.91207 | 66.611099 | 2.820631 | 69.648787 | 78.188302 | 66.554723 | 1.91207 | NaN |
| -16MBC-BO5 Spot 8 | 195.618548 | 15832.678612 | 0.834811 | 21.575681 | 2.00339 | 0.066359 | 3.516958 | 0.010388 | 2.890575 | 0.821896 | 66.622522 | 1.915857 | 65.237949 | 2.222241 | 15.782109 | 48.12717 | 66.622522 | 1.915857 | NaN |
| -16MBC-BO5 Spot 17 | 173.356649 | 10930.954195 | 0.782393 | 20.536517 | 1.861334 | 0.070182 | 3.40242 | 0.010458 | 2.84814 | 0.837092 | 67.065006 | 1.900204 | 68.871915 | 2.265611 | 133.110087 | 43.739892 | 67.065006 | 1.900204 | NaN |
| -16MBC-BO5 Spot 16 R4 | 353.976447 | 21552.311824 | 1.325281 | 21.122075 | 2.335648 | 0.0683 | 3.278445 | 0.010468 | 2.300642 | 0.701748 | 67.127499 | 1.53635 | 67.084993 | 2.128268 | 66.597574 | 55.611043 | 67.127499 | 1.53635 | NaN |
| -16MBC-BO5 Spot 26 | 130.589299 | 1811.581096 | 1.168131 | 23.544048 | 4.099533 | 0.061367 | 5.105409 | 0.010483 | 3.042865 | 0.596008 | 67.228787 | 2.035051 | 60.473859 | 2.997305 | NaN | NaN | 67.228787 | 2.035051 | NaN |
| -16MBC-BO5 Spot 24 | 135.9801 | 25761.710933 | 1.150014 | 21.544174 | 2.602055 | 0.067293 | 3.636274 | 0.010519 | 2.540039 | 0.698528 | 67.457507 | 1.704513 | 66.127199 | 2.327944 | 19.319438 | 62.477258 | 67.457507 | 1.704513 | NaN |
| -16MBC-BO5 Spot 32 | 278.331565 | 4355.79308 | 1.048911 | 21.965883 | 2.422638 | 0.06621 | 3.685064 | 0.010553 | 2.776782 | 0.753524 | 67.669706 | 1.869213 | 65.096156 | 2.323561 | NaN | NaN | 67.669706 | 1.869213 | NaN |
| -16MBC-BO5 Spot 21 R2 | 137.44429 | 24733.141298 | 1.154808 | 21.350972 | 2.407862 | 0.068384 | 3.512323 | 0.010594 | 2.557071 | 0.728029 | 67.934066 | 1.728002 | 67.164752 | 2.282717 | 40.909977 | 57.588836 | 67.934066 | 1.728002 | NaN |
| -16MBC-BO5 Spot 33 | 187.116603 | 9888.232894 | 0.750322 | 21.663095 | 2.211964 | 0.067457 | 3.448259 | 0.010603 | 2.645318 | 0.767146 | 67.992903 | 1.789176 | 66.28374 | 2.212633 | 6.082955 | 53.262078 | 67.992903 | 1.789176 | NaN |
| -16MBC-BO5 Spot 10 | 213.409079 | 34103.908825 | 1.261096 | 21.369287 | 2.183852 | 0.069028 | 3.195894 | 0.010703 | 2.333351 | 0.730109 | 68.628524 | 1.592851 | 67.776213 | 2.095349 | 38.812022 | 52.250323 | 68.628524 | 1.592851 | NaN |
| -16MBC-BO5 Spot 34 | 226.4224 | 2541.810841 | 1.414208 | 21.825348 | 2.586478 | 0.068163 | 3.546106 | 0.010794 | 2.425901 | 0.684103 | 69.212045 | 1.670034 | 66.954615 | 2.297697 | NaN | NaN | 69.212045 | 1.670034 | NaN |
| -16MBC-BO5 Spot 12 | 96.103157 | 7183.304282 | 0.935394 | 21.083477 | 2.948432 | 0.071703 | 4.040882 | 0.010969 | 2.763237 | 0.68382 | 70.325787 | 1.932707 | 70.314255 | 2.745176 | 70.957534 | 70.146701 | 70.325787 | 1.932707 | NaN |
| -16MBC-BO5 Spot 14 | 189.588497 | 203.320363 | 1.875372 | 2.151217 | 20.42084 | 1.637748 | 27.06133 | 0.025563 | 17.756826 | 0.65617 | 162.721278 | 28.532695 | 984.845824 | 172.238612 | NaN | NaN | 162.721278 | 28.532695 | NaN |
| 16MBC-B08 | Caribou stock | final age = 66.59 ± 0.79 (2σ), n = 25, MSWD = 0.25, probability = 1.000 | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN |
| -16MBC-BO8 Spot 14 | 1136.11702 | 12211.327654 | 2.110042 | 21.425014 | 1.652093 | 0.064632 | 3.373859 | 0.010047 | 2.941686 | 0.871905 | 64.446578 | 1.886371 | 63.592326 | 2.079714 | 32.576486 | 39.577383 | 64.446578 | 1.886371 | NaN |
| -16MBC-BO8 Spot 1 R1 | 562.234879 | 6867.448249 | 2.136553 | 21.834932 | 1.273045 | 0.063957 | 2.957693 | 0.010133 | 2.669701 | 0.90263 | 64.991581 | 1.726364 | 62.948969 | 1.805301 | NaN | NaN | 64.991581 | 1.726364 | NaN |
| -16MBC-BO8 Spot 34 | 294.799466 | 3116.351411 | 1.393378 | 22.427736 | 1.798783 | 0.062406 | 3.720854 | 0.010155 | 3.257166 | 0.875381 | 65.136272 | 2.110914 | 61.467531 | 2.21927 | NaN | NaN | 65.136272 | 2.110914 | NaN |
| -16MBC-BO8 Spot 4 C2 | 622.470796 | 20217.422411 | 1.607982 | 21.390494 | 1.337624 | 0.065528 | 3.109733 | 0.01017 | 2.807347 | 0.902762 | 65.230652 | 1.822017 | 64.446413 | 1.941838 | 36.438699 | 32.034873 | 65.230652 | 1.822017 | NaN |
| -16MBC-BO8 Spot 25 | 303.172067 | 44275.096495 | 1.753868 | 21.140658 | 1.730689 | 0.066387 | 4.484179 | 0.010183 | 4.136735 | 0.922518 | 65.313641 | 2.688211 | 65.264824 | 2.834527 | 64.518006 | 41.202163 | 65.313641 | 2.688211 | NaN |
| -16MBC-BO8 Spot 20 | 354.409404 | 68571.971274 | 3.140361 | 20.531341 | 1.799151 | 0.06869 | 4.084556 | 0.010233 | 3.666968 | 0.897764 | 65.630347 | 2.394434 | 67.455632 | 2.665741 | 133.713167 | 42.272885 | 65.630347 | 2.394434 | NaN |
| -16MBC-BO8 Spot 29 | 799.998431 | 27581.182078 | 0.927862 | 20.821089 | 1.636078 | 0.06794 | 3.364821 | 0.010264 | 2.940284 | 0.873831 | 65.828991 | 1.92571 | 66.742946 | 2.173566 | 100.643695 | 38.708259 | 65.828991 | 1.92571 | NaN |
| -16MBC-BO8 Spot 33 | 466.580583 | 11567.852991 | 1.558167 | 21.243424 | 2.002326 | 0.06659 | 4.272847 | 0.010264 | 3.774641 | 0.883402 | 65.829341 | 2.472177 | 65.458244 | 2.708689 | 52.952094 | 47.778092 | 65.829341 | 2.472177 | NaN |
| -16MBC-BO8 Spot 15 | 713.89417 | 76679.563892 | 1.032936 | 20.891339 | 1.733467 | 0.067878 | 3.158892 | 0.010289 | 2.640775 | 0.835981 | 65.990141 | 1.733762 | 66.684139 | 2.038802 | 92.671859 | 41.06111 | 65.990141 | 1.733762 | NaN |
| -16MBC-BO8 Spot 10 C5 | 533.498126 | 22978.306727 | 1.858518 | 21.511163 | 1.62347 | 0.066113 | 3.216977 | 0.010319 | 2.77728 | 0.86332 | 66.179821 | 1.828597 | 65.004144 | 2.025639 | 22.955522 | 38.95234 | 66.179821 | 1.828597 | NaN |
| -16MBC-BO8 Spot 19 | 1136.019736 | 27611.604062 | 1.27791 | 21.195302 | 1.651111 | 0.067099 | 3.066653 | 0.010319 | 2.584219 | 0.842684 | 66.180915 | 1.701511 | 65.943132 | 1.957981 | 58.3839 | 39.364219 | 66.180915 | 1.701511 | NaN |
| -16MBC-BO8 Spot 22 | 464.476849 | 5340.349185 | 1.350325 | 22.060296 | 3.127615 | 0.064521 | 4.213643 | 0.010328 | 2.823617 | 0.670113 | 66.234355 | 1.860629 | 63.486466 | 2.593185 | NaN | NaN | 66.234355 | 1.860629 | NaN |
| -16MBC-BO8 Spot 24 | 537.533653 | 7476.341854 | 1.26421 | 21.961462 | 1.709551 | 0.064889 | 3.570157 | 0.01034 | 3.134239 | 0.877899 | 66.313185 | 2.06776 | 63.837322 | 2.20893 | NaN | NaN | 66.313185 | 2.06776 | NaN |
| -16MBC-BO8 Spot 16 | 382.120799 | 3472.151587 | 2.721774 | 22.909416 | 1.627206 | 0.062206 | 3.051018 | 0.01034 | 2.580874 | 0.845906 | 66.315991 | 1.702759 | 61.276455 | 1.814263 | NaN | NaN | 66.315991 | 1.702759 | NaN |
| -16MBC-BO8 Spot 7 R4 | 704.831437 | 9589.120158 | 2.241479 | 21.452363 | 1.488237 | 0.066441 | 2.962439 | 0.010342 | 2.561483 | 0.864653 | 66.325198 | 1.690199 | 65.316099 | 1.874031 | 29.565936 | 35.650964 | 66.325198 | 1.690199 | NaN |
| -16MBC-BO8 Spot 5 R3 | 513.417289 | 50219.241311 | 1.238561 | 20.729301 | 1.435548 | 0.068892 | 2.795677 | 0.010362 | 2.398961 | 0.858096 | 66.45326 | 1.585999 | 67.647047 | 1.829573 | 111.077342 | 33.889128 | 66.45326 | 1.585999 | NaN |
| -16MBC-BO8 Spot 21 | 227.736252 | 6509.508047 | 1.700597 | 21.529154 | 1.947226 | 0.06642 | 3.428584 | 0.010376 | 2.821968 | 0.823071 | 66.540825 | 1.868103 | 65.296448 | 2.168282 | 20.97744 | 46.753687 | 66.540825 | 1.868103 | NaN |
| -16MBC-BO8 Spot 32 | 1505.263978 | 5482660.021421 | 1.088621 | 20.920956 | 0.949384 | 0.068441 | 2.434383 | 0.010389 | 2.241626 | 0.920819 | 66.628591 | 1.485872 | 67.219411 | 1.58339 | 89.352963 | 22.513164 | 66.628591 | 1.485872 | NaN |
| -16MBC-BO8 Spot 26 | 702.132757 | 16706.733289 | 1.054521 | 21.625549 | 1.440496 | 0.066241 | 3.007175 | 0.010394 | 2.639711 | 0.877804 | 66.658507 | 1.750526 | 65.126462 | 1.896983 | 10.233876 | 34.632987 | 66.658507 | 1.750526 | NaN |
| -16MBC-BO8 Spot 35 | 265.6049 | 2535.603617 | 1.824077 | 24.330932 | 2.672512 | 0.058888 | 3.55136 | 0.010396 | 2.338769 | 0.658556 | 66.671985 | 1.551268 | 58.099463 | 2.005403 | NaN | NaN | 66.671985 | 1.551268 | NaN |
| -16MBC-BO8 Spot 8 C4 | 879.223441 | 288024.973124 | 1.506696 | 21.446657 | 1.343112 | 0.066818 | 2.939089 | 0.010398 | 2.614248 | 0.889476 | 66.682449 | 1.734259 | 65.67546 | 1.869161 | 30.183679 | 32.182537 | 66.682449 | 1.734259 | NaN |
| -16MBC-BO8 Spot 27 | 646.71312 | 22343.669941 | 2.285859 | 21.44031 | 1.456136 | 0.066973 | 3.202253 | 0.010419 | 2.852033 | 0.890633 | 66.817022 | 1.895802 | 65.823326 | 2.040964 | 30.913218 | 34.888027 | 66.817022 | 1.895802 | NaN |
| -16MBC-BO8 Spot 12 | 660.799868 | 9205.0422 | 1.609037 | 21.652158 | 1.406908 | 0.066444 | 3.099126 | 0.010439 | 2.761375 | 0.891017 | 66.943277 | 1.83899 | 65.31948 | 1.960597 | 7.299488 | 33.867003 | 66.943277 | 1.83899 | NaN |
| -16MBC-BO8 Spot 3 R2 | 450.497441 | 8176.076791 | 1.810819 | 21.462997 | 2.502884 | 0.067051 | 4.387195 | 0.010442 | 3.6032 | 0.821299 | 66.964302 | 2.400369 | 65.897021 | 2.799223 | 28.331008 | 60.014309 | 66.964302 | 2.400369 | NaN |
| -16MBC-BO8 Spot 31 | 777.82818 | 169156.868883 | 1.020768 | 20.88805 | 1.343315 | 0.069045 | 2.351193 | 0.010465 | 1.929666 | 0.820718 | 67.108299 | 1.288249 | 67.793185 | 1.541904 | 93.036743 | 31.816661 | 67.108299 | 1.288249 | NaN |
| -16MBC-BO8 Spot 28 | 512.834113 | 12676.893136 | 1.828987 | 17.830838 | 4.045508 | 0.081124 | 5.17308 | 0.010496 | 3.224069 | 0.62324 | 67.3069 | 2.158732 | 79.201439 | 3.941457 | 455.619306 | 89.802421 | 67.3069 | 2.158732 | NaN |
| -16MBC-BO8 Spot 17 | 546.279429 | 4550.659975 | 1.792801 | 21.994559 | 1.741549 | 0.065821 | 3.988116 | 0.010504 | 3.587768 | 0.899615 | 67.36222 | 2.404217 | 64.726248 | 2.500809 | NaN | NaN | 67.36222 | 2.404217 | NaN |
| -16MBC-BO8 Spot 18 | 714.132455 | 9183.831045 | 1.613851 | 21.698843 | 1.307361 | 0.06673 | 2.675612 | 0.010506 | 2.334461 | 0.872496 | 67.373916 | 1.564628 | 65.591548 | 1.699494 | 2.082616 | 31.485803 | 67.373916 | 1.564628 | NaN |
| -16MBC-BO8 Spot 30 | 493.212047 | 6969.094839 | 1.682163 | 21.623268 | 1.499518 | 0.067287 | 3.284711 | 0.010557 | 2.92246 | 0.889716 | 67.698155 | 1.968099 | 66.121772 | 2.102705 | 10.492634 | 36.055129 | 67.698155 | 1.968099 | NaN |
| -16MBC-BO8 Spot 11 | 525.917952 | 43454.914351 | 2.702261 | 21.339544 | 1.447969 | 0.06831 | 3.468261 | 0.010577 | 3.151542 | 0.908681 | 67.825115 | 2.126332 | 67.094719 | 2.251807 | 42.18612 | 34.603315 | 67.825115 | 2.126332 | NaN |
| -16MBC-BO8 Spot 2 C1 | 152.82879 | 4211.577908 | 1.819252 | 22.292806 | 2.676855 | 0.065453 | 4.627461 | 0.010587 | 3.774631 | 0.815702 | 67.890778 | 2.54918 | 64.375267 | 2.88648 | NaN | NaN | 67.890778 | 2.54918 | NaN |
| -16MBC-BO8 Spot 6 C3 | 328.316052 | 4218.751896 | 3.045074 | 22.932314 | 1.578827 | 0.063786 | 3.655062 | 0.010614 | 3.29648 | 0.901895 | 68.058954 | 2.231748 | 62.785532 | 2.225343 | NaN | NaN | 68.058954 | 2.231748 | NaN |
| -16MBC-BO8 Spot 23 | 631.143461 | 20388.205324 | 1.286635 | 21.28363 | 1.517775 | 0.068851 | 3.447855 | 0.010633 | 3.095813 | 0.897896 | 68.180594 | 2.099621 | 67.608141 | 2.255124 | 48.435103 | 36.248468 | 68.180594 | 2.099621 | NaN |
| -16MBC-BO8 Spot 13 | 461.615952 | 48652.9975 | 1.290553 | 20.564523 | 1.354738 | 0.071496 | 3.403224 | 0.010668 | 3.121958 | 0.917353 | 68.407323 | 2.124356 | 70.118496 | 2.305764 | 129.911597 | 31.861318 | 68.407323 | 2.124356 | NaN |
| -16MBC-BO8 Spot 9 R5 | 464.124874 | 2842.68667 | 2.184708 | 12.131479 | 7.145144 | 0.122537 | 8.05538 | 0.010786 | 3.719685 | 0.461764 | 69.159992 | 2.558784 | 117.369377 | 8.928807 | 1255.775026 | 139.887442 | 69.159992 | 2.558784 | NaN |
| 16MBC-B07 | Eldora (Bryan Mountain) stock | final age = 67.22 ± 0.87 (2σ), n = 26, MSWD = 0.32, probability = 0.999 | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN |
| -16MBC-B07 Spot 42 R4 | 431.843649 | 19495.241677 | 0.604221 | 21.083416 | 1.649107 | 0.067047 | 3.769869 | 0.010257 | 3.390038 | 0.899246 | 65.782152 | 2.218701 | 65.893236 | 2.405206 | 70.961239 | 39.214638 | 65.782152 | 2.218701 | NaN |
| -16MBC-B07 Spot 68 | 538.520519 | 6372.628163 | 0.601057 | 21.898008 | 3.179999 | 0.064567 | 4.013641 | 0.010259 | 2.448861 | 0.610135 | 65.796188 | 1.603062 | 63.53032 | 2.471751 | NaN | NaN | 65.796188 | 1.603062 | NaN |
| -16MBC-B07 Spot 64 | 215.635958 | 4543.687637 | 0.745206 | 21.801663 | 3.349075 | 0.064915 | 4.407123 | 0.010269 | 2.864688 | 0.650013 | 65.860018 | 1.877079 | 63.862726 | 2.727833 | NaN | NaN | 65.860018 | 1.877079 | NaN |
| -16MBC-B07 Spot 37 R2 | 226.588206 | 4820.563362 | 0.716647 | 22.29022 | 3.983634 | 0.063587 | 5.152942 | 0.010284 | 3.268558 | 0.634309 | 65.957722 | 2.144875 | 62.595574 | 3.128113 | NaN | NaN | 65.957722 | 2.144875 | NaN |
| -16MBC-B07 Spot 46 | 391.42406 | 11124.745554 | 0.523173 | 21.050515 | 2.290233 | 0.067518 | 3.485302 | 0.010313 | 2.627196 | 0.753793 | 66.139535 | 1.728732 | 66.341798 | 2.238298 | 74.664579 | 54.433408 | 66.139535 | 1.728732 | NaN |
| -16MBC-B07 Spot 56 | 651.968672 | 17187.16431 | 0.674609 | 20.506754 | 1.444219 | 0.069502 | 2.621043 | 0.010342 | 2.187258 | 0.834499 | 66.323474 | 1.443229 | 68.227227 | 1.72951 | 136.497373 | 33.921122 | 66.323474 | 1.443229 | NaN |
| -16MBC-B07 Spot 57 | 961.325766 | 16186.245926 | 0.729132 | 21.005328 | 1.217582 | 0.067942 | 3.164506 | 0.010355 | 2.920889 | 0.923016 | 66.409778 | 1.929799 | 66.744197 | 2.044205 | 79.758812 | 28.917609 | 66.409778 | 1.929799 | NaN |
| -16MBC-B07 Spot 52 | 316.4052 | 11462.22478 | 1.422017 | 21.443433 | 2.797561 | 0.066603 | 3.977891 | 0.010363 | 2.827945 | 0.710915 | 66.459173 | 1.869774 | 65.470926 | 2.52218 | 30.561653 | 67.054857 | 66.459173 | 1.869774 | NaN |
| -16MBC-B07 Spot 55 | 538.581895 | 12011.109325 | 0.565252 | 20.98027 | 1.748766 | 0.068345 | 2.891548 | 0.010404 | 2.302795 | 0.796389 | 66.722615 | 1.528561 | 67.127523 | 1.878256 | 82.593507 | 41.481763 | 66.722615 | 1.528561 | NaN |
| -16MBC-B07 Spot 53 | 313.394194 | 4158.298621 | 0.846487 | 22.942907 | 2.642748 | 0.062578 | 3.576927 | 0.010417 | 2.410455 | 0.67389 | 66.807 | 1.602037 | 61.631507 | 2.138946 | NaN | NaN | 66.807 | 1.602037 | NaN |
| -16MBC-B07 Spot 67 | 386.320366 | 5178.334958 | 0.505738 | 22.117423 | 2.143861 | 0.064969 | 3.616071 | 0.010426 | 2.912014 | 0.805298 | 66.863692 | 1.937017 | 63.913692 | 2.239932 | NaN | NaN | 66.863692 | 1.937017 | NaN |
| -16MBC-B07 Spot 50 | 763.701164 | 11462.257602 | 0.729877 | 21.81555 | 1.811172 | 0.066132 | 3.427222 | 0.010468 | 2.909554 | 0.848954 | 67.130441 | 1.943062 | 65.022083 | 2.158602 | NaN | NaN | 67.130441 | 1.943062 | NaN |
| -16MBC-B07 Spot 69 | 438.045757 | 24460.55607 | 0.434477 | 21.026016 | 1.465609 | 0.068752 | 3.179117 | 0.010489 | 2.82113 | 0.887394 | 67.263981 | 1.887739 | 67.514763 | 2.076574 | 77.420587 | 34.805715 | 67.263981 | 1.887739 | NaN |
| -16MBC-B07 Spot 66 | 520.725045 | 46411.100063 | 0.828883 | 20.536034 | 1.274268 | 0.070465 | 2.872927 | 0.0105 | 2.574869 | 0.896253 | 67.332715 | 1.724706 | 69.140647 | 1.920243 | 133.144418 | 29.959143 | 67.332715 | 1.724706 | NaN |
| -16MBC-B07 Spot 61 | 317.133146 | 60978.834606 | 0.922455 | 18.491997 | 3.35413 | 0.078363 | 5.038495 | 0.010514 | 3.75982 | 0.746219 | 67.425626 | 2.521871 | 76.604267 | 3.717717 | 374.254877 | 75.512238 | 67.425626 | 2.521871 | NaN |
| -16MBC-B07 Spot 40 R3 | 332.395763 | 26434.158508 | 0.824393 | 20.840638 | 1.988808 | 0.069629 | 3.877116 | 0.010529 | 3.328163 | 0.858412 | 67.519691 | 2.235438 | 68.347275 | 2.562691 | 98.422737 | 47.062637 | 67.519691 | 2.235438 | NaN |
| -16MBC-B07 Spot 60 | 428.351715 | 13187.961832 | 0.698053 | 20.162247 | 1.658449 | 0.07219 | 3.062179 | 0.010561 | 2.574197 | 0.840642 | 67.723708 | 1.734216 | 70.775861 | 2.093478 | 176.157517 | 38.688688 | 67.723708 | 1.734216 | NaN |
| -16MBC-B07 Spot 43 C4 | 241.48337 | 10893.973426 | 0.605264 | 22.179789 | 2.219302 | 0.065704 | 3.743218 | 0.010574 | 3.014362 | 0.805286 | 67.805747 | 2.033199 | 64.614143 | 2.343304 | NaN | NaN | 67.805747 | 2.033199 | NaN |
| -16MBC-B07 Spot 47 | 509.832745 | 20569.675228 | 0.528373 | 21.17659 | 1.472081 | 0.068877 | 3.546488 | 0.010583 | 3.226539 | 0.909784 | 67.865262 | 2.178213 | 67.633112 | 2.320465 | 60.443831 | 35.083073 | 67.865262 | 2.178213 | NaN |
| -16MBC-B07 Spot 63 | 467.43103 | 6784.100754 | 0.720604 | 21.368654 | 1.466983 | 0.068423 | 3.369257 | 0.010609 | 3.033126 | 0.900236 | 68.028136 | 2.05253 | 67.201369 | 2.19089 | 38.883989 | 35.117787 | 68.028136 | 2.05253 | NaN |
| -16MBC-B07 Spot 54 | 481.125612 | 12724.913811 | 0.587126 | 21.183279 | 1.513116 | 0.069057 | 3.615393 | 0.010614 | 3.283527 | 0.908207 | 68.063624 | 2.223131 | 67.804631 | 2.371351 | 59.736369 | 36.052309 | 68.063624 | 2.223131 | NaN |
| -16MBC-B07 Spot 65 | 331.588586 | 7113.892294 | 0.512504 | 22.210684 | 1.940345 | 0.066061 | 3.645466 | 0.010646 | 3.086176 | 0.846579 | 68.266735 | 2.095716 | 64.954275 | 2.293742 | NaN | NaN | 68.266735 | 2.095716 | NaN |
| -16MBC-B07 Spot 48 | 389.921199 | 8405.120808 | 1.024972 | 21.721449 | 1.911616 | 0.06776 | 3.112636 | 0.01068 | 2.456466 | 0.789192 | 68.479584 | 1.673275 | 66.571812 | 2.005673 | NaN | NaN | 68.479584 | 1.673275 | NaN |
| -16MBC-B07 Spot 70 | 672.323566 | 16419.163187 | 0.640678 | 21.226966 | 1.343989 | 0.069752 | 2.591899 | 0.010743 | 2.21622 | 0.855057 | 68.885264 | 1.518521 | 68.463808 | 1.716012 | 54.793278 | 32.086613 | 68.885264 | 1.518521 | NaN |
| -16MBC-B07 Spot 49 | 513.949211 | 18044.456567 | 0.688033 | 20.39814 | 2.048324 | 0.072825 | 3.923375 | 0.010779 | 3.346228 | 0.852895 | 69.111113 | 2.300263 | 71.376864 | 2.704228 | 148.960065 | 48.021003 | 69.111113 | 2.300263 | NaN |
| -16MBC-B07 Spot 62 | 641.427909 | 59395.072588 | 0.793849 | 20.53245 | 1.681868 | 0.073174 | 3.678108 | 0.010902 | 3.271055 | 0.889331 | 69.895615 | 2.273974 | 71.707445 | 2.546506 | 133.575703 | 39.521627 | 69.895615 | 2.273974 | NaN |
| -16MBC-B07 Spot 51 | 236.234901 | 1001220.826557 | 2.486568 | 11.311381 | 0.873932 | 2.315778 | 2.996485 | 0.190064 | 2.866211 | 0.956524 | 1121.722806 | 29.50933 | 1217.131825 | 21.252838 | 1391.315601 | 16.768498 | 1391.315601 | 16.768498 | 80.623175 |
| -16MBC-B07 Spot 58 | 388.786695 | 163030.959268 | 2.166119 | 11.269539 | 0.964095 | 2.836881 | 3.137423 | 0.231972 | 2.985623 | 0.951616 | 1344.824556 | 36.240324 | 1365.344774 | 23.558289 | 1398.42278 | 18.480668 | 1398.42278 | 18.480668 | 96.167238 |
| -16MBC-B07 Spot 59 | 85.620067 | 415976.19189 | 0.720656 | 11.223315 | 0.688464 | 3.083001 | 2.29277 | 0.251063 | 2.186964 | 0.953852 | 1443.954958 | 28.292159 | 1428.473595 | 17.580371 | 1406.297101 | 13.182835 | 1406.297101 | 13.182835 | 102.677802 |
| -16MBC-B07 Spot 44 R5 | 710.626925 | 1983182.230948 | 55.656852 | 10.469006 | 0.761912 | 3.107498 | 1.995021 | 0.23605 | 1.8438 | 0.924201 | 1366.129352 | 22.698747 | 1434.547382 | 15.326532 | 1538.332388 | 14.33321 | 1538.332388 | 14.33321 | 88.805863 |
| -16MBC-B07 Spot 39 C2 | 89.372974 | 62306.438242 | 0.937741 | 9.836888 | 1.26725 | 4.168325 | 2.989163 | 0.297514 | 2.707244 | 0.905686 | 1678.968291 | 40.017164 | 1667.816128 | 24.483607 | 1654.598046 | 23.481095 | 1654.598046 | 23.481095 | 101.47288 |
| -16MBC-B07 Spot 45 C5 | 443.846447 | 314445.083013 | 2.608436 | 9.085917 | 0.933652 | 4.472432 | 2.787191 | 0.294849 | 2.626163 | 0.942225 | 1665.717435 | 38.550146 | 1725.870148 | 23.133174 | 1800.386159 | 16.985533 | 1800.386159 | 16.985533 | 92.520009 |
| -16MBC-B07 Spot 36 C1 | 539.666049 | 173216.035518 | 4.447756 | 9.02543 | 0.912763 | 4.551216 | 3.603707 | 0.298046 | 3.486197 | 0.967392 | 1681.611419 | 51.602702 | 1740.383851 | 30.008557 | 1812.529673 | 16.580768 | 1812.529673 | 16.580768 | 92.777042 |
| -16MBC-B07 Spot 41 C3 | 466.360455 | 368440.268538 | 1.911485 | 7.69213 | 1.409443 | 6.757994 | 3.013041 | 0.377183 | 2.663059 | 0.883844 | 2063.111322 | 47.018337 | 2080.239366 | 26.656496 | 2097.988787 | 24.75827 | 2097.988787 | 24.75827 | 98.337576 |

## Table 3. Tava Data
| Table S3. Complete U-Pb geochronologic analyses Tava sample AP6314, courtesy of Christine Smith Siddoway. | Unnamed: 1 | Unnamed: 2 | Unnamed: 3 | Unnamed: 4 | Unnamed: 5 | Unnamed: 6 | Unnamed: 7 | Unnamed: 8 | Unnamed: 9 | Unnamed: 10 | Unnamed: 11 | Unnamed: 12 | Unnamed: 13 | Unnamed: 14 | Unnamed: 15 | Unnamed: 16 | Unnamed: 17 | Unnamed: 18 | Unnamed: 19 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NaN | NaN | Isotope ratios | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | Apparent ages (Ma) | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN |
| Analysis | U | 206Pb | U/Th | 206Pb\* | ± | 207Pb\* | ± | 206Pb\* | ± | error | 206Pb\* | ± | 207Pb\* | ± | 206Pb\* | ± | Best age | ± | Conc |
| NaN | (ppm) | 204Pb | NaN | 207Pb\* | (%) | 235U\* | (%) | 238U | (%) | corr. | 238U\* | (Ma) | 235U | (Ma) | 207Pb\* | (Ma) | (Ma) | (Ma) | (%) |
| AP6314-1-39 <> | 275.537061 | 14773.960927 | 0.494796 | 14.531425 | 0.807721 | 1.462791 | 1.068986 | 0.154166 | 0.700227 | 0.655039 | 924.27545 | 6.029455 | 915.16011 | 6.447071 | 893.230155 | 16.670878 | 893.230155 | 16.670878 | 103.475621 |
| AP6314-1-6 <> | 175.056102 | 83716.38293 | 2.371009 | 13.902293 | 0.6339 | 1.660141 | 0.695359 | 0.16739 | 0.285823 | 0.411043 | 997.716119 | 2.641978 | 993.429649 | 4.406381 | 983.97358 | 12.905012 | 983.97358 | 12.905012 | 101.396637 |
| AP6314-1-87 <> | 98.444108 | 44759.837036 | 1.104023 | 13.839154 | 1.043633 | 1.69929 | 1.383869 | 0.170559 | 0.908803 | 0.656712 | 1015.192734 | 8.53632 | 1008.263889 | 8.846142 | 993.218191 | 21.217238 | 993.218191 | 21.217238 | 102.212459 |
| AP6314-1-89 <> | 22.885098 | 15470.025172 | 1.462967 | 13.696588 | 5.446964 | 1.767267 | 5.716271 | 0.175555 | 1.73388 | 0.303324 | 1042.645919 | 16.692006 | 1033.518163 | 37.084031 | 1014.234582 | 110.457498 | 1014.234582 | 110.457498 | 102.801259 |
| AP6314-1-7 <> | 69.761687 | 46765.710633 | 1.764321 | 13.673327 | 2.458261 | 1.806469 | 2.487033 | 0.179145 | 0.377211 | 0.151671 | 1062.29933 | 3.694354 | 1047.801408 | 16.256194 | 1017.679779 | 49.806331 | 1017.679779 | 49.806331 | 104.384439 |
| AP6314-1-26 <> | 162.805588 | 91167.557758 | 2.245755 | 13.63153 | 0.547589 | 1.747737 | 0.681891 | 0.17279 | 0.40635 | 0.595917 | 1027.466671 | 3.859384 | 1026.326389 | 4.404009 | 1023.877879 | 11.0802 | 1023.877879 | 11.0802 | 100.35051 |
| AP6314-1-50 <> | 130.108785 | 46917.572364 | 1.846127 | 13.624012 | 0.965593 | 1.772122 | 1.068117 | 0.175105 | 0.456623 | 0.427503 | 1040.174794 | 4.386283 | 1035.29794 | 6.933247 | 1024.993401 | 19.535226 | 1024.993401 | 19.535226 | 101.481121 |
| AP6314-1-71 <> | 65.828418 | 67309.053585 | 1.310735 | 13.623817 | 1.919648 | 1.771395 | 2.396772 | 0.17503 | 1.435086 | 0.598758 | 1039.766633 | 13.780361 | 1035.031385 | 15.556348 | 1025.022311 | 38.85867 | 1025.022311 | 38.85867 | 101.438439 |
| AP6314-1-17 <> | 162.446364 | 91136.300061 | 2.346096 | 13.571198 | 0.651407 | 1.766707 | 2.404947 | 0.173893 | 2.315046 | 0.962618 | 1033.523891 | 22.10715 | 1033.312656 | 15.594484 | 1032.84741 | 13.182123 | 1032.84741 | 13.182123 | 100.065497 |
| AP6314-1-16 <> | 204.634888 | 225156.707767 | 1.686615 | 13.557933 | 0.539713 | 1.765104 | 0.61508 | 0.173565 | 0.295013 | 0.479635 | 1031.724574 | 2.812648 | 1032.724123 | 3.98678 | 1034.8224 | 10.922109 | 1034.8224 | 10.922109 | 99.700642 |
| AP6314-1-92 <> | 42.753335 | 39485.289763 | 1.416219 | 13.492556 | 2.039663 | 1.842034 | 2.27555 | 0.180256 | 1.008912 | 0.443371 | 1068.374773 | 9.933125 | 1060.587758 | 14.976699 | 1044.578939 | 41.156105 | 1044.578939 | 41.156105 | 102.278031 |
| AP6314-1-5 <> | 293.694474 | 153249.539064 | 4.035265 | 13.457297 | 0.317136 | 1.806182 | 0.648321 | 0.176286 | 0.56546 | 0.872191 | 1046.653242 | 5.462923 | 1047.697367 | 4.237095 | 1049.89433 | 6.411155 | 1049.89433 | 6.411155 | 99.691294 |
| AP6314-1-19 <> | 97.148404 | 69101.426182 | 2.367797 | 13.450802 | 1.041657 | 1.801159 | 1.368614 | 0.175711 | 0.887724 | 0.64863 | 1043.50082 | 8.552529 | 1045.878287 | 8.935859 | 1050.866553 | 21.011316 | 1050.866553 | 21.011316 | 99.29908 |
| AP6314-1-78 <> | 54.140945 | 53650.374018 | 1.135687 | 13.425443 | 2.12667 | 1.866552 | 2.372397 | 0.181747 | 1.051447 | 0.4432 | 1076.512025 | 10.424348 | 1069.309992 | 15.686715 | 1054.669976 | 42.850283 | 1054.669976 | 42.850283 | 102.070984 |
| AP6314-1-73 <> | 86.656713 | 59572.187418 | 3.338815 | 13.420363 | 1.810413 | 1.828776 | 2.15241 | 0.178001 | 1.164163 | 0.540865 | 1056.047192 | 11.339927 | 1055.840156 | 14.130091 | 1055.431415 | 36.462655 | 1055.431415 | 36.462655 | 100.058344 |
| AP6314-1-63 <> | 323.252558 | 345203.118114 | 1.926297 | 13.408726 | 0.537314 | 1.855225 | 1.622686 | 0.180419 | 1.531144 | 0.943586 | 1069.264625 | 15.086263 | 1065.289884 | 10.706232 | 1057.178986 | 10.817826 | 1057.178986 | 10.817826 | 101.143197 |
| AP6314-1-40 <> | 51.280765 | 10796.828 | 0.615136 | 13.395274 | 1.904387 | 1.827809 | 2.066905 | 0.177575 | 0.803371 | 0.388683 | 1053.711651 | 7.809576 | 1055.493022 | 13.566162 | 1059.197361 | 38.350966 | 1059.197361 | 38.350966 | 99.482088 |
| AP6314-1-3 <> | 41.365992 | 39330.432655 | 1.515002 | 13.382379 | 3.389429 | 1.884644 | 3.728654 | 0.18292 | 1.553907 | 0.416748 | 1082.907529 | 15.489954 | 1075.698359 | 24.740304 | 1061.135642 | 68.230604 | 1061.135642 | 68.230604 | 102.051753 |
| AP6314-1-94 <> | 160.686706 | 107955.298366 | 1.931252 | 13.376656 | 0.92417 | 1.823085 | 1.113304 | 0.17687 | 0.62077 | 0.557592 | 1049.850377 | 6.014142 | 1053.795288 | 7.300189 | 1061.997579 | 18.612832 | 1061.997579 | 18.612832 | 98.856193 |
| AP6314-1-20 <> | 93.329094 | 14334.119349 | 3.015249 | 13.359323 | 5.051041 | 1.772398 | 5.151409 | 0.171729 | 1.01193 | 0.196437 | 1021.632168 | 9.560618 | 1035.39888 | 33.451737 | 1064.604317 | 101.624916 | 1064.604317 | 101.624916 | 95.963557 |
| AP6314-1-59 <> | 85.681075 | 54856.229518 | 2.355035 | 13.358937 | 1.859198 | 1.852737 | 2.29178 | 0.179508 | 1.340015 | 0.584705 | 1064.28753 | 13.146554 | 1064.404575 | 15.114265 | 1064.662362 | 37.411591 | 1064.662362 | 37.411591 | 99.964793 |
| AP6314-1-25 <> | 184.055191 | 92816.552446 | 1.380155 | 13.352628 | 0.771994 | 1.900768 | 1.284501 | 0.184075 | 1.026629 | 0.799244 | 1089.197624 | 10.288392 | 1081.358011 | 8.546547 | 1065.613111 | 15.519495 | 1065.613111 | 15.519495 | 102.213234 |
| AP6314-1-31 <> | 157.94745 | 126891.394872 | 2.298885 | 13.289122 | 1.02614 | 1.864154 | 1.085985 | 0.17967 | 0.355529 | 0.327379 | 1065.174253 | 3.490677 | 1068.46012 | 7.177058 | 1075.193888 | 20.588254 | 1075.193888 | 20.588254 | 99.068109 |
| AP6314-1-57 <> | 150.94256 | 79220.197549 | 0.867804 | 13.285278 | 1.086992 | 1.93567 | 1.212562 | 0.186509 | 0.537359 | 0.443161 | 1102.438161 | 5.445187 | 1093.502304 | 8.118337 | 1075.773572 | 21.817655 | 1075.773572 | 21.817655 | 102.478643 |
| AP6314-1-56 <> | 148.306133 | 7840.789375 | 1.845553 | 13.23689 | 1.691053 | 1.967393 | 1.754984 | 0.188876 | 0.469368 | 0.267449 | 1115.280913 | 4.806969 | 1104.41564 | 11.815134 | 1083.058489 | 33.916796 | 1083.058489 | 33.916796 | 102.975132 |
| AP6314-1-1 <> | 127.615469 | 75191.614462 | 1.63783 | 13.174725 | 0.710231 | 1.928327 | 1.062612 | 0.184256 | 0.79039 | 0.743818 | 1090.181878 | 7.927483 | 1090.959216 | 7.105142 | 1092.493297 | 14.231765 | 1092.493297 | 14.231765 | 99.788427 |
| AP6314-1-84 <> | 232.6196 | 162275.616533 | 1.071555 | 13.160815 | 0.41943 | 1.894682 | 0.702887 | 0.18085 | 0.564029 | 0.802446 | 1071.614969 | 5.568557 | 1079.225509 | 4.671473 | 1094.64471 | 8.388233 | 1094.64471 | 8.388233 | 97.896145 |
| AP6314-1-100 <> | 44.01257 | 26868.08849 | 1.831244 | 13.083496 | 2.99156 | 2.029476 | 3.212207 | 0.192578 | 1.169976 | 0.364228 | 1135.324607 | 12.179101 | 1125.439927 | 21.853294 | 1106.43188 | 59.783138 | 1106.43188 | 59.783138 | 102.611343 |
| AP6314-1-44 <> | 63.109624 | 37510.431919 | 1.517854 | 12.989433 | 1.404423 | 2.05166 | 1.672923 | 0.193283 | 0.908993 | 0.543356 | 1139.136777 | 9.49139 | 1132.848453 | 11.42072 | 1120.836367 | 28.028216 | 1120.836367 | 28.028216 | 101.632746 |
| AP6314-1-60 <> | 86.802895 | 62008.486696 | 2.369972 | 12.844962 | 0.858359 | 2.08087 | 0.990325 | 0.193855 | 0.493927 | 0.498752 | 1142.223098 | 5.170179 | 1142.521153 | 6.791815 | 1143.08871 | 17.052838 | 1143.08871 | 17.052838 | 99.924274 |
| AP6314-1-11 <> | 110.957821 | 84030.267045 | 2.350373 | 12.823199 | 1.485636 | 2.115039 | 1.545646 | 0.196704 | 0.426505 | 0.275939 | 1157.590659 | 4.519275 | 1153.720673 | 10.656408 | 1146.459341 | 29.518553 | 1146.459341 | 29.518553 | 100.97093 |
| AP6314-1-69 <> | 79.210288 | 75562.404767 | 2.174596 | 12.812707 | 1.121428 | 2.096881 | 1.557387 | 0.194856 | 1.080673 | 0.693901 | 1147.626498 | 11.360852 | 1147.784534 | 10.707592 | 1148.089485 | 22.276561 | 1148.089485 | 22.276561 | 99.959673 |
| AP6314-1-29 <> | 52.781027 | 29342.75169 | 1.325674 | 12.805197 | 2.481272 | 2.10338 | 2.559769 | 0.195345 | 0.629053 | 0.245746 | 1150.26617 | 6.626967 | 1149.913147 | 17.618022 | 1149.251722 | 49.293926 | 1149.251722 | 49.293926 | 100.08827 |
| AP6314-1-80 <> | 148.956608 | 164911.12502 | 1.361956 | 12.804776 | 0.613804 | 2.121547 | 1.087659 | 0.197026 | 0.897912 | 0.825546 | 1159.32366 | 9.52735 | 1155.839686 | 7.50608 | 1149.296963 | 12.171839 | 1149.296963 | 12.171839 | 100.87242 |
| AP6314-1-62 <> | 74.248189 | 125922.787581 | 1.70549 | 12.73214 | 1.677435 | 2.154207 | 2.188659 | 0.198924 | 1.40586 | 0.642338 | 1169.538414 | 15.036851 | 1166.408239 | 15.178808 | 1160.581401 | 33.271343 | 1160.581401 | 33.271343 | 100.771769 |
| AP6314-1-36 <> | 90.541207 | 59851.127487 | 1.790431 | 12.687422 | 1.374208 | 2.151222 | 1.537337 | 0.197951 | 0.689172 | 0.448289 | 1164.302688 | 7.341155 | 1165.446783 | 10.656664 | 1167.554027 | 27.218241 | 1167.554027 | 27.218241 | 99.721526 |
| AP6314-1-18 <> | 39.67447 | 63404.065673 | 1.231708 | 12.669281 | 4.414735 | 2.170971 | 4.470121 | 0.199482 | 0.701494 | 0.15693 | 1172.539604 | 7.520616 | 1171.790563 | 31.084695 | 1170.387329 | 87.446958 | 1170.387329 | 87.446958 | 100.183894 |
| AP6314-1-48 <> | 87.61613 | 39157.646827 | 1.142138 | 12.652315 | 0.853737 | 2.2889 | 0.914926 | 0.210037 | 0.328972 | 0.359561 | 1229.014473 | 3.681068 | 1208.867657 | 6.465435 | 1173.078159 | 16.915116 | 1173.078159 | 16.915116 | 104.768337 |
| AP6314-1-82 <> | 110.079766 | 75872.278664 | 1.288678 | 12.621744 | 1.153756 | 2.165627 | 1.309899 | 0.198245 | 0.620229 | 0.473494 | 1165.884176 | 6.61495 | 1170.077744 | 9.099204 | 1177.862917 | 22.837438 | 1177.862917 | 22.837438 | 98.983011 |
| AP6314-1-38 <> | 51.802826 | 9826.506154 | 1.151295 | 12.609584 | 2.811411 | 2.283813 | 2.893226 | 0.208862 | 0.683174 | 0.236129 | 1222.753609 | 7.609088 | 1207.295765 | 20.433984 | 1179.7708 | 55.611513 | 1179.7708 | 55.611513 | 103.643319 |
| AP6314-1-13 <> | 31.837503 | 21479.465617 | 1.467631 | 12.598383 | 5.925854 | 2.166539 | 6.000392 | 0.197961 | 0.94285 | 0.157131 | 1164.358345 | 10.043804 | 1170.370263 | 41.709541 | 1181.526668 | 117.214976 | 1181.526668 | 117.214976 | 98.546937 |
| AP6314-1-66 <> | 25.835202 | 40178.413813 | 1.446943 | 12.578114 | 5.431055 | 2.127166 | 5.609359 | 0.194051 | 1.403051 | 0.250127 | 1143.28219 | 14.698911 | 1157.665844 | 38.761851 | 1184.710179 | 107.38077 | 1184.710179 | 107.38077 | 96.503112 |
| AP6314-1-90 <> | 145.94824 | 104242.090971 | 1.842177 | 12.566598 | 1.101028 | 2.155527 | 1.822595 | 0.196458 | 1.452443 | 0.796909 | 1156.265115 | 15.374131 | 1166.833127 | 12.642241 | 1186.517235 | 21.766799 | 1186.517235 | 21.766799 | 97.450343 |
| AP6314-1-45 <> | 149.076888 | 88176.988226 | 2.165456 | 12.298872 | 0.559206 | 2.364081 | 0.700344 | 0.210876 | 0.421628 | 0.60203 | 1233.480965 | 4.733415 | 1231.816797 | 4.997362 | 1228.887689 | 10.969224 | 1228.887689 | 10.969224 | 100.373775 |
| AP6314-1-51 <> | 44.759736 | 44790.405602 | 0.691188 | 12.288624 | 2.300923 | 2.477772 | 3.252345 | 0.220833 | 2.298587 | 0.706747 | 1286.273504 | 26.803335 | 1265.565291 | 23.532309 | 1230.560424 | 45.148053 | 1230.560424 | 45.148053 | 104.527456 |
| AP6314-1-4 <> | 53.946664 | 30737.090112 | 19.115206 | 12.243391 | 1.99938 | 2.394469 | 2.450319 | 0.212623 | 1.416525 | 0.578098 | 1242.775375 | 16.011328 | 1240.947614 | 17.552267 | 1237.793848 | 39.20475 | 1237.793848 | 39.20475 | 100.402452 |
| AP6314-1-70 <> | 40.153407 | 32826.904033 | 1.040348 | 12.151794 | 1.418602 | 2.496613 | 2.003955 | 0.220034 | 1.415417 | 0.706312 | 1282.056067 | 16.455903 | 1271.051183 | 14.529515 | 1252.46486 | 27.756726 | 1252.46486 | 27.756726 | 102.362638 |
| AP6314-1-55 <> | 148.388613 | 18753.59595 | 1.13805 | 12.048724 | 0.777518 | 2.624535 | 1.742697 | 0.229347 | 1.559634 | 0.894954 | 1331.073303 | 18.756849 | 1307.535207 | 12.813709 | 1269.140056 | 15.176842 | 1269.140056 | 15.176842 | 104.879938 |
| AP6314-1-37 <> | 160.753458 | 12821.20675 | 1.613394 | 11.938203 | 0.955918 | 2.329185 | 1.545315 | 0.20167 | 1.214175 | 0.785713 | 1184.286004 | 13.135793 | 1221.229009 | 10.978171 | 1287.074874 | 18.594272 | 1287.074874 | 18.594272 | 92.013761 |
| AP6314-1-47 <> | 93.604464 | 61017.166451 | 1.9458 | 11.75161 | 1.088089 | 2.704943 | 1.256389 | 0.230544 | 0.628153 | 0.499967 | 1337.350776 | 7.586495 | 1329.814665 | 9.314142 | 1317.678934 | 21.093 | 1317.678934 | 21.093 | 101.492916 |
| AP6314-1-54 <> | 73.333807 | 34277.045087 | 1.470391 | 11.602852 | 1.265098 | 2.749859 | 1.40775 | 0.231406 | 0.617485 | 0.438632 | 1341.861976 | 7.480271 | 1342.050434 | 10.482538 | 1342.331803 | 24.440848 | 1342.331803 | 24.440848 | 99.964999 |
| AP6314-1-97 <> | 58.204006 | 55008.986968 | 1.555337 | 11.520799 | 1.261511 | 2.75521 | 1.358893 | 0.230216 | 0.505155 | 0.37174 | 1335.632378 | 6.093926 | 1343.498128 | 10.123954 | 1356.030041 | 24.325051 | 1356.030041 | 24.325051 | 98.495781 |
| AP6314-1-10 <> | 44.262933 | 46161.018269 | 2.261233 | 11.519826 | 2.3342 | 2.89389 | 2.432785 | 0.241784 | 0.68553 | 0.281788 | 1395.962377 | 8.604503 | 1380.320575 | 18.360281 | 1356.192954 | 45.011906 | 1356.192954 | 45.011906 | 102.932431 |
| AP6314-1-8 <> | 78.125756 | 50798.424628 | 1.23778 | 11.47931 | 1.473708 | 2.910126 | 1.545235 | 0.242285 | 0.464688 | 0.300723 | 1398.56435 | 5.842308 | 1384.545365 | 11.677896 | 1362.98233 | 28.389753 | 1362.98233 | 28.389753 | 102.6106 |
| AP6314-1-98 <> | 89.016371 | 100921.400975 | 2.691581 | 11.364987 | 0.751687 | 2.829601 | 1.921055 | 0.233235 | 1.767885 | 0.920268 | 1351.429179 | 21.553665 | 1363.41646 | 14.413536 | 1382.23845 | 14.440753 | 1382.23845 | 14.440753 | 97.77106 |
| AP6314-1-34 <> | 33.275884 | 3563.527306 | 1.132467 | 11.296388 | 8.098109 | 2.579319 | 8.194226 | 0.211321 | 1.251391 | 0.152716 | 1235.853492 | 14.073296 | 1294.788504 | 60.02719 | 1393.860011 | 155.575396 | 1393.860011 | 155.575396 | 88.664104 |
| AP6314-1-14 <> | 231.964945 | 427556.317182 | 1.578359 | 11.249679 | 0.45096 | 2.987479 | 0.597368 | 0.243749 | 0.391769 | 0.655826 | 1406.160201 | 4.949477 | 1404.436412 | 4.544447 | 1401.803041 | 8.640296 | 1401.803041 | 8.640296 | 100.310825 |
| AP6314-1-32 <> | 74.641475 | 48612.767658 | 0.905983 | 11.045774 | 1.030447 | 3.074265 | 1.185871 | 0.246284 | 0.586913 | 0.494922 | 1419.28328 | 7.476726 | 1426.298795 | 9.08596 | 1436.766147 | 19.650108 | 1436.766147 | 19.650108 | 98.783179 |
| AP6314-1-85 <> | 159.902521 | 117639.27372 | 2.21922 | 10.899731 | 0.438696 | 3.156207 | 0.798303 | 0.249505 | 0.666959 | 0.83547 | 1435.924629 | 8.585376 | 1446.517597 | 6.155616 | 1462.103198 | 8.336996 | 1462.103198 | 8.336996 | 98.209527 |
| AP6314-1-46 <> | 166.610879 | 366693.155498 | 1.201107 | 10.888459 | 0.426959 | 3.196609 | 0.505435 | 0.252438 | 0.270499 | 0.535181 | 1451.036262 | 3.514655 | 1456.340289 | 3.909202 | 1464.069291 | 8.111808 | 1464.069291 | 8.111808 | 99.109808 |
| AP6314-1-68 <> | 77.699799 | 4751.574135 | 0.771664 | 10.812735 | 1.000023 | 3.058113 | 2.859664 | 0.239821 | 2.67911 | 0.936862 | 1385.768143 | 33.407302 | 1422.265416 | 21.884747 | 1477.316538 | 18.966064 | 1477.316538 | 18.966064 | 93.803062 |
| AP6314-1-75 <> | 238.584 | 156576.7894 | 1.663542 | 10.773743 | 0.387829 | 3.353877 | 1.361363 | 0.262067 | 1.304951 | 0.958562 | 1500.40879 | 17.468018 | 1493.696212 | 10.648557 | 1484.164821 | 7.348526 | 1484.164821 | 7.348526 | 101.094486 |
| AP6314-1-43 <> | 330.315078 | 210025.114189 | 2.526581 | 10.668688 | 0.243805 | 3.442325 | 0.425701 | 0.266355 | 0.348971 | 0.819755 | 1522.276045 | 4.731656 | 1514.116767 | 3.349485 | 1502.708424 | 4.608151 | 1502.708424 | 4.608151 | 101.302157 |
| AP6314-1-72 <> | 92.650878 | 85952.768997 | 1.347632 | 10.290702 | 0.718226 | 3.666897 | 1.303674 | 0.27368 | 1.087988 | 0.834555 | 1559.452526 | 15.070422 | 1564.191998 | 10.401229 | 1570.579393 | 13.452581 | 1570.579393 | 13.452581 | 99.291544 |
| AP6314-1-65 <> | 23.223726 | 32683.237293 | 1.08648 | 10.23002 | 2.204784 | 3.660555 | 2.817191 | 0.271595 | 1.753708 | 0.622502 | 1548.894181 | 24.146317 | 1562.811128 | 22.471209 | 1581.646899 | 41.242741 | 1581.646899 | 41.242741 | 97.929202 |
| AP6314-1-99 <> | 66.26325 | 55927.438078 | 0.939457 | 10.162723 | 0.89874 | 3.623407 | 1.590736 | 0.267071 | 1.312519 | 0.825102 | 1525.914948 | 17.834055 | 1554.685384 | 12.659177 | 1593.982732 | 16.784503 | 1593.982732 | 16.784503 | 95.729704 |
| AP6314-1-27 <> | 40.038343 | 80710.994464 | 0.912441 | 10.021011 | 0.841359 | 3.895625 | 1.120143 | 0.283131 | 0.739483 | 0.660168 | 1607.111605 | 10.518727 | 1612.775504 | 9.050735 | 1620.162597 | 15.657952 | 1620.162597 | 15.657952 | 99.194464 |
| AP6314-1-61 <> | 75.917296 | 88266.420377 | 1.095528 | 9.937419 | 0.902442 | 4.069193 | 1.660067 | 0.293279 | 1.393349 | 0.839333 | 1657.893093 | 20.368916 | 1648.151073 | 13.531648 | 1635.734288 | 16.761241 | 1635.734288 | 16.761241 | 101.35467 |
| AP6314-1-24 <> | 59.882493 | 4817.597444 | 0.906092 | 9.883573 | 1.170491 | 4.038915 | 1.781747 | 0.289519 | 1.343344 | 0.753948 | 1639.126463 | 19.442688 | 1642.068211 | 14.502175 | 1645.819816 | 21.712361 | 1645.819816 | 21.712361 | 99.593312 |
| AP6314-1-2 <> | 111.1881 | 215389.719531 | 1.761378 | 9.860012 | 3.615732 | 3.419056 | 5.818072 | 0.244502 | 4.558118 | 0.783441 | 1410.059105 | 57.730077 | 1508.784114 | 45.738223 | 1650.246083 | 67.053098 | 1650.246083 | 67.053098 | 85.445384 |
| AP6314-1-76 <> | 235.619367 | 340576.706997 | 1.093876 | 9.856445 | 0.201047 | 4.051914 | 0.757462 | 0.289654 | 0.730293 | 0.964132 | 1639.799105 | 10.57358 | 1644.684239 | 6.168795 | 1650.916956 | 3.727107 | 1650.916956 | 3.727107 | 99.326565 |
| AP6314-1-12 <> | 91.474006 | 97485.405465 | 0.502024 | 9.853704 | 0.381803 | 3.967949 | 0.952656 | 0.283573 | 0.8728 | 0.916175 | 1609.330107 | 12.43018 | 1627.666284 | 7.726155 | 1651.432441 | 7.077589 | 1651.432441 | 7.077589 | 97.450557 |
| AP6314-1-28 <> | 69.54539 | 95684.789616 | 1.684017 | 9.343177 | 0.875691 | 4.684345 | 1.17202 | 0.317426 | 0.778971 | 0.66464 | 1777.14526 | 12.099189 | 1764.447336 | 9.80724 | 1749.43045 | 16.03175 | 1749.43045 | 16.03175 | 101.584219 |
| AP6314-1-35 <> | 223.233781 | 60705.684463 | 2.703375 | 9.185867 | 0.254613 | 4.870119 | 0.964102 | 0.324458 | 0.929873 | 0.964497 | 1811.463458 | 14.684628 | 1797.100916 | 8.121845 | 1780.456343 | 4.642051 | 1780.456343 | 4.642051 | 101.741526 |
| AP6314-1-21 <> | 143.144583 | 97236.598966 | 2.480519 | 9.14063 | 0.459204 | 4.867683 | 0.901937 | 0.322699 | 0.776287 | 0.860689 | 1802.894869 | 12.208918 | 1796.679453 | 7.597482 | 1789.455418 | 8.366166 | 1789.455418 | 8.366166 | 100.751036 |
| AP6314-1-33 <> | 134.726439 | 11859.822186 | 1.670175 | 9.119583 | 0.5281 | 4.73644 | 0.837057 | 0.313275 | 0.649442 | 0.775864 | 1756.802739 | 9.98686 | 1773.710558 | 7.017805 | 1793.654301 | 9.616383 | 1793.654301 | 9.616383 | 97.945448 |
| AP6314-1-88 <> | 96.948272 | 31506.632587 | 1.617342 | 9.047744 | 0.562663 | 4.937755 | 1.536407 | 0.324018 | 1.42967 | 0.930528 | 1809.319679 | 22.554371 | 1808.733383 | 12.973798 | 1808.042554 | 10.225761 | 1808.042554 | 10.225761 | 100.070636 |
| AP6314-1-83 <> | 56.07416 | 52120.978724 | 1.07504 | 8.970547 | 0.815947 | 4.979965 | 1.045936 | 0.323999 | 0.65438 | 0.62564 | 1809.230316 | 10.322971 | 1815.925977 | 8.844511 | 1823.599535 | 14.801779 | 1823.599535 | 14.801779 | 99.212041 |
| AP6314-1-58 <> | 228.622666 | 26953.947028 | 1.591305 | 8.924492 | 0.366463 | 5.089455 | 1.391343 | 0.329423 | 1.342215 | 0.96469 | 1835.582759 | 21.440365 | 1834.348945 | 11.808004 | 1832.932676 | 6.641046 | 1832.932676 | 6.641046 | 100.144582 |
| AP6314-1-52 <> | 130.152773 | 16402.621256 | 0.630343 | 8.915546 | 0.535359 | 5.052932 | 0.675391 | 0.326731 | 0.411757 | 0.609657 | 1822.516447 | 6.536816 | 1828.240551 | 5.724891 | 1834.750067 | 9.699673 | 1834.750067 | 9.699673 | 99.333227 |
| AP6314-1-22 <> | 54.723818 | 18383.032922 | 2.986636 | 8.843019 | 0.832315 | 5.454913 | 1.44423 | 0.349854 | 1.180275 | 0.817235 | 1933.902397 | 19.71983 | 1893.528546 | 12.393248 | 1849.535678 | 15.051171 | 1849.535678 | 15.051171 | 104.561508 |
| AP6314-1-30 <> | 108.041264 | 135792.715992 | 2.026947 | 8.808565 | 0.193821 | 5.215616 | 0.340384 | 0.333203 | 0.279812 | 0.822048 | 1853.890012 | 4.50815 | 1855.170745 | 2.900161 | 1856.58897 | 3.500475 | 1856.58897 | 3.500475 | 99.854628 |
| AP6314-1-77 <> | 7.716175 | 8444.295449 | 1.564898 | 8.788649 | 6.820381 | 5.16271 | 7.157289 | 0.329078 | 2.170066 | 0.303197 | 1833.910267 | 34.637263 | 1846.490996 | 60.954494 | 1860.678232 | 123.319271 | 1860.678232 | 123.319271 | 98.561387 |
| AP6314-1-79 <> | 59.762432 | 61065.920456 | 1.331457 | 8.713676 | 0.655849 | 5.365105 | 1.262229 | 0.339061 | 1.078464 | 0.854412 | 1882.152571 | 17.60365 | 1879.302099 | 10.803319 | 1876.137254 | 11.823444 | 1876.137254 | 11.823444 | 100.320622 |
| AP6314-1-23 <> | 47.819964 | 74789.23312 | 1.176351 | 8.710211 | 0.877072 | 5.349238 | 1.423621 | 0.337924 | 1.121358 | 0.78768 | 1876.675799 | 18.257925 | 1876.767845 | 12.179111 | 1876.854246 | 15.808418 | 1876.854246 | 15.808418 | 99.990492 |
| AP6314-1-42 <> | 34.768516 | 32711.593911 | 0.633179 | 8.686519 | 1.20317 | 5.301507 | 1.353101 | 0.333998 | 0.619083 | 0.457529 | 1857.730297 | 9.992085 | 1869.105739 | 11.559358 | 1881.762708 | 21.674423 | 1881.762708 | 21.674423 | 98.722878 |
| AP6314-1-91 <> | 42.648265 | 67072.773181 | 0.466368 | 8.657639 | 1.1101 | 5.280613 | 1.578262 | 0.331576 | 1.121869 | 0.710825 | 1846.013835 | 18.008526 | 1865.733477 | 13.474632 | 1887.759948 | 19.98318 | 1887.759948 | 19.98318 | 97.78859 |
| AP6314-1-15 <> | 146.735103 | 5951.282586 | 0.915275 | 8.609951 | 0.525792 | 5.430055 | 0.892833 | 0.339081 | 0.721591 | 0.808204 | 1882.247478 | 11.778956 | 1889.610651 | 7.655933 | 1897.693745 | 9.452448 | 1897.693745 | 9.452448 | 99.186051 |
| AP6314-1-93 <> | 111.971741 | 212137.139263 | 1.823714 | 8.55579 | 0.400442 | 5.551067 | 1.032668 | 0.344457 | 0.951867 | 0.921754 | 1908.076665 | 15.721119 | 1908.542328 | 8.88518 | 1909.032687 | 7.190663 | 1909.032687 | 7.190663 | 99.949921 |
| AP6314-1-64 <> | 33.411278 | 40425.732698 | 0.358447 | 8.367154 | 0.777236 | 5.890067 | 1.892816 | 0.357435 | 1.725879 | 0.911805 | 1970.002739 | 29.296062 | 1959.771331 | 16.431344 | 1948.967634 | 13.891025 | 1948.967634 | 13.891025 | 101.079295 |
| AP6314-1-9 <> | 25.368622 | 22703.968661 | 0.585868 | 8.355921 | 0.744445 | 6.064105 | 1.140339 | 0.367502 | 0.863814 | 0.757507 | 2017.635798 | 14.964811 | 1985.100603 | 9.940023 | 1951.368275 | 13.299145 | 1951.368275 | 13.299145 | 103.395952 |
| AP6314-1-95 <> | 44.61674 | 81492.579468 | 1.073671 | 6.098924 | 0.994085 | 10.314717 | 1.980162 | 0.456257 | 1.712553 | 0.864855 | 2423.008727 | 34.588969 | 2463.425142 | 18.331224 | 2496.934474 | 16.738245 | 2496.934474 | 16.738245 | 97.03934 |
| AP6314-1-41 <> | 15.743303 | 73045.819104 | 0.97901 | 5.370671 | 1.606669 | 13.308718 | 1.787961 | 0.518398 | 0.784487 | 0.438761 | 2692.383192 | 17.265645 | 2701.801286 | 16.887429 | 2708.840161 | 26.504608 | 2708.840161 | 26.504608 | 99.392472 |
| AP6314-1-67 <> | 30.973804 | 72323.179727 | 0.659342 | 5.057827 | 0.332303 | 14.875266 | 1.642934 | 0.545667 | 1.608977 | 0.979331 | 2807.125522 | 36.617132 | 2807.292805 | 15.632487 | 2807.400677 | 5.433512 | 2807.400677 | 5.433512 | 99.990199 |
| Notes: | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN |
| 1.     Analyses with >10% uncertainty (1-sigma) in 206Pb/238U age are not included. | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN |
| 2.     Analyses with >10% uncertainty (1-sigma) in 206Pb/207Pb age are not included, unless 206Pb/238U age is <400 Ma. | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN |
| 3.     Best age is determined from 206Pb/238U age for analyses with 206Pb/238U age <900 Ma and from 206Pb/207Pb age for analyses with 206Pb/238Uage >900 Ma. | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN |
| 4.     Concordance is based on 206Pb/238U age / 206Pb/207Pb age.  Value is not reported for 206Pb/238U ages <400 Ma because of large uncertainty in 206Pb/207Pb age. | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN |
| 5.     Analyses with 206Pb/238U age >400 Ma and with >20% discordance (<80% concordance) are not included. | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN |
| 6.     Analyses with 206Pb/238U age >400 Ma and with >5% reverse discordance (<105% concordance) are not included. | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN |
| 7.     All uncertainties are reported at the 1-sigma level, and include only measurement errors. | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN |
| 8.     Systematic errors are as follows (at 2-sigma level): [sample 1: xxx% (206Pb/238U) & xxx% (206Pb/207Pb)] These values are reported on cells U1 and W1 of E2agecalc. | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN |
| 9.     Analyses conducted by LA-ICPMS, as described by Gehrels et al. (2008) and Gehrels and Pecha (2014). | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN |
| 10.  U concentration and U/Th are calibrated relative to FC-1 zircon standard and are accurate to ~20%. | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN |
| 11.  Common Pb correction is from measured 204Pb with common Pb composition interpreted from Stacey and Kramers (1975). | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN |
| 12.  Common Pb composition assigned uncertainties of 1.5 for 206Pb/204Pb, 0.3 for 207Pb/204Pb, and 2.0 for 208Pb/204Pb. | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN |
| 13.  U/Pb and 206Pb/207Pb fractionation is calibrated relative to fragments of large Sri Lanka zircons and individual crystals of FC-1, and R33. | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN |
| 14.  U decay constants and composition as follows: 238U = 9.8485 x 10-10, 235U = 1.55125 x 10-10, 238U/235U = 137.88. | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN |