

| Relative Abundances | | 36Ar [fA] | %1σ | 37Ar [fA] | %1σ | 38Ar [fA] | %1σ | 39Ar [fA] | %1σ | 40Ar [fA] | %1σ | 40(r)/39(k) ± 2σ | Age ± 2σ (Ma) | 40Ar(r) (%) | 39Ar(k) (%) | K/Ca ± 2σ |
|---------------------|--------|--------------|-------|--------------|-------|--------------|--------|--------------|-------|--------------|-------|-------------------|------------------|----------------|----------------|---------------|
| 18D25651 | 1.8 % | 0.948928 | 0.313 | 38.6131 | 1.316 | 0.3086881 | 7.612 | 8.16305 | 0.285 | 331.1172 | 0.032 | 6.06411 ± 0.47132 | 17.02 ± 1.32 | 14.90 | 2.29 | 0.091 ± 0.002 |
| 18D25653 | 1.9 % | 0.568097 | 0.338 | 26.7462 | 1.734 | 0.1685722 | 14.035 | 4.75453 | 0.462 | 205.8590 | 0.069 | 7.90884 ± 0.49991 | 22.16 ± 1.39 | 18.20 | 1.33 | 0.076 ± 0.003 |
| 18D25654 | 2.0 % | 0.446911 | 0.352 | 20.7869 | 2.096 | 0.1362496 | 18.128 | 3.63173 | 0.616 | 162.3181 | 0.079 | 8.24325 ± 0.52572 | 23.09 ± 1.46 | 18.38 | 1.02 | 0.075 ± 0.003 |
| 18D25655 | 2.1 % | ✓0.687445 | 0.307 | 22.8148 | 1.905 | 0.2160544 | 10.880 | 3.90071 | 0.539 | 237.4187 | 0.048 | 8.46074 ± 0.71821 | 23.70 ± 2.00 | 13.85 | 1.09 | 0.073 ± 0.003 |
| 18D25657 | 2.2 % | ✓0.557950 | 0.353 | 22.4415 | 2.040 | 0.1565066 | 15.086 | 3.66387 | 0.610 | 198.7797 | 0.055 | 9.06594 ± 0.64602 | 25.38 ± 1.80 | 16.64 | 1.03 | 0.070 ± 0.003 |
| 18D25658 | 2.3 % | ✓0.511282 | 0.354 | 19.7692 | 2.423 | 0.1812831 | 13.178 | 3.33182 | 0.691 | 180.7288 | 0.061 | 8.68658 ± 0.65359 | 24.33 ± 1.82 | 15.95 | 0.93 | 0.072 ± 0.004 |
| 18D25659 | 2.4 % | ✓0.807985 | 0.322 | 21.5208 | 2.057 | 0.2488187 | 10.137 | 3.80219 | 0.601 | 273.8983 | 0.035 | 8.72796 ± 0.87422 | 24.44 ± 2.43 | 12.07 | 1.07 | 0.076 ± 0.003 |
| 18D25661 | 2.5 % | ✓0.639985 | 0.327 | 19.9132 | 2.268 | 0.1976318 | 11.716 | 3.57776 | 0.660 | 220.8525 | 0.043 | 8.50664 ± 0.74148 | 23.83 ± 2.06 | 13.73 | 1.00 | 0.077 ± 0.004 |
| 18D25662 | 2.7 % | ✓0.675443 | 0.327 | 22.2871 | 2.083 | 0.1830913 | 13.252 | 4.06269 | 0.555 | 237.0676 | 0.040 | 8.91367 ± 0.68802 | 24.96 ± 1.91 | 15.22 | 1.14 | 0.078 ± 0.003 |
| 18D25663 | 3.0 % | ✓0.971720 | 0.309 | 27.4986 | 1.667 | 0.2851953 | 8.580 | 5.12721 | 0.439 | 334.0747 | 0.029 | 8.72215 ± 0.76976 | 24.42 ± 2.14 | 13.34 | 1.44 | 0.080 ± 0.003 |
| 18D25665 | 3.4 % | ✓1.166797 | 0.305 | 33.6766 | 1.407 | 0.3423210 | 7.253 | 6.67675 | 0.343 | 405.8293 | 0.024 | 8.75319 ± 0.70675 | 24.51 ± 1.97 | 14.35 | 1.87 | 0.085 ± 0.002 |
| 18D25666 | 3.8 % | ✓0.736614 | 0.308 | 36.7245 | 1.264 | 0.2631623 | 8.774 | 7.50407 | 0.296 | 285.4173 | 0.034 | 8.98895 ± 0.39863 | 25.17 ± 1.11 | 23.56 | 2.10 | 0.088 ± 0.002 |
| 18D25667 | 4.2 % | ✓0.596345 | 0.336 | 37.0563 | 1.243 | 0.2219334 | 11.035 | 8.08344 | 0.268 | 248.1041 | 0.039 | 8.94165 ± 0.30624 | 25.04 ± 0.85 | 29.05 | 2.27 | 0.094 ± 0.002 |
| 18D25669 | 4.6 % | ✓0.398218 | 0.371 | 34.1908 | 1.346 | 0.1588611 | 14.634 | 8.00815 | 0.283 | 188.6374 | 0.051 | 8.99681 ± 0.21521 | 25.19 ± 0.60 | 38.09 | 2.25 | 0.100 ± 0.003 |
| 18D25670 | 5.2 % | ✓0.422636 | 0.386 | 36.4658 | 1.339 | 0.1927386 | 12.915 | 8.93069 | 0.265 | 204.6232 | 0.047 | 9.05880 ± 0.20680 | 25.36 ± 0.57 | 39.43 | 2.51 | 0.105 ± 0.003 |
| 18D25671 | 5.8 % | ✓0.446906 | 0.358 | 38.9566 | 1.244 | 0.1994258 | 11.755 | 9.62867 | 0.231 | 218.1034 | 0.043 | 9.06784 ± 0.19733 | 25.39 ± 0.55 | 39.93 | 2.70 | 0.106 ± 0.003 |
| 18D25673 | 6.5 % | ✓0.419521 | 0.366 | 42.3810 | 1.113 | 0.1767814 | 13.878 | 10.29337 | 0.227 | 214.4148 | 0.044 | 8.95129 ± 0.17482 | 25.06 ± 0.49 | 42.86 | 2.89 | 0.104 ± 0.002 |
| 18D25674 | 7.2 % | ✓0.346371 | 0.407 | 43.2508 | 1.175 | 0.1372584 | 19.969 | 9.89119 | 0.246 | 188.3525 | 0.050 | 8.90822 ± 0.15696 | 24.94 ± 0.44 | 46.65 | 2.77 | 0.098 ± 0.002 |
| 18D25675 | 8.0 % | ✓0.421705 | 0.339 | 60.7945 | 0.876 | 0.2327335 | 10.763 | 12.12322 | 0.198 | 227.4449 | 0.042 | 8.75218 ± 0.14530 | 24.51 ± 0.40 | 46.50 | 3.40 | 0.085 ± 0.002 |
| 18D25677 | 8.9 % | ✓0.280400 | 0.396 | 48.2327 | 1.041 | 0.1662051 | 14.718 | 9.27755 | 0.256 | 161.6129 | 0.058 | 8.79647 ± 0.13620 | 24.63 ± 0.38 | 50.33 | 2.60 | 0.082 ± 0.002 |
| 18D25678 | 9.7 % | ✓0.182480 | 0.473 | 26.6011 | 1.781 | 0.0887196 | 27.417 | 6.17381 | 0.369 | 106.1020 | 0.090 | 8.68500 ± 0.15104 | 24.32 ± 0.42 | 50.40 | 1.73 | 0.100 ± 0.004 |
| 18D25679 | 10.6 % | ✓0.424446 | 0.372 | 63.0729 | 0.841 | 0.2153374 | 11.342 | 11.47540 | 0.197 | 222.3490 | 0.043 | 8.74773 ± 0.15751 | 24.50 ± 0.44 | 44.99 | 3.22 | 0.078 ± 0.001 |
| 18D25681 | 11.6 % | ✓0.390432 | 0.363 | 48.5336 | 0.998 | 0.1889082 | 12.950 | 11.26026 | 0.208 | 211.2449 | 0.045 | 8.72355 ± 0.14842 | 24.43 ± 0.41 | 46.37 | 3.16 | 0.099 ± 0.002 |
| 18D25682 | 12.5 % | ✓0.294490 | 0.396 | 29.8660 | 1.570 | 0.1101711 | 22.535 | 8.41010 | 0.274 | 158.3847 | 0.060 | 8.62701 ± 0.15772 | 24.16 ± 0.44 | 45.70 | 2.36 | 0.121 ± 0.004 |
| 18D25683 | 13.4 % | ✓0.913589 | 0.312 | 121.4221 | 0.574 | 0.3918031 | 6.151 | 19.72822 | 0.133 | 439.3732 | 0.022 | 8.90210 ± 0.18512 | 24.93 ± 0.51 | 39.81 | 5.53 | 0.070 ± 0.001 |
| 18D25685 | 14.6 % | ✓0.884652 | 0.304 | 107.4725 | 0.608 | 0.4064650 | 6.051 | 18.66349 | 0.140 | 422.3524 | 0.023 | 8.89856 ± 0.18895 | 24.92 ± 0.53 | 39.18 | 5.23 | 0.074 ± 0.001 |
| 18D25686 | 15.8 % | ✓0.523245 | 0.342 | 49.2562 | 1.013 | 0.2447691 | 9.839 | 11.53852 | 0.206 | 255.8566 | 0.037 | 8.92972 ± 0.18923 | 25.00 ± 0.53 | 40.16 | 3.24 | 0.100 ± 0.002 |
| 18D25687 | 16.8 % | ✓1.045626 | 0.300 | 104.0303 | 0.621 | 0.4444911 | 5.572 | 20.01111 | 0.130 | 484.3326 | 0.020 | 8.96671 ± 0.20796 | 25.10 ± 0.58 | 36.92 | 5.61 | 0.082 ± 0.001 |
| 18D25689 | 17.8 % | 1.868105 | 0.285 | 182.2580 | 0.507 | 0.8038788 | 3.035 | 33.25902 | 0.094 | 850.2592 | 0.012 | 9.17783 ± 0.22047 | 25.69 ± 0.61 | 35.77 | 9.32 | 0.078 ± 0.001 |
| 18D25690 | 18.9 % | 0.714615 | 0.313 | 62.9284 | 0.839 | 0.2897285 | 8.480 | 13.32421 | 0.177 | 330.7263 | 0.029 | 9.12965 ± 0.21730 | 25.56 ± 0.60 | 36.67 | 3.74 | 0.091 ± 0.002 |
| 18D25691 | 19.8 % | 1.411625 | 0.289 | 139.6353 | 0.538 | 0.6026796 | 3.776 | 26.62468 | 0.110 | 658.7091 | 0.016 | 9.27880 ± 0.20908 | 25.97 ± 0.58 | 37.38 | 7.46 | 0.082 ± 0.001 |
| 18D25693 | 20.8 % | 0.713125 | 0.303 | 68.9236 | 0.821 | 0.3348029 | 7.618 | 13.56741 | 0.180 | 333.8518 | 0.029 | 9.26837 ± 0.21145 | 25.94 ± 0.59 | 37.54 | 3.80 | 0.084 ± 0.001 |
| 18D25694 | 21.9 % | 0.860960 | 0.309 | 87.4863 | 0.685 | 0.3572834 | 7.039 | 16.50529 | 0.149 | 406.0638 | 0.024 | 9.40280 ± 0.20963 | 26.32 ± 0.58 | 38.09 | 4.63 | 0.081 ± 0.001 |
| 18D25696 | 22.5 % | 0.574205 | 0.337 | 63.8419 | 0.833 | 0.2642188 | 9.584 | 11.69905 | 0.195 | 278.0912 | 0.035 | 9.51034 ± 0.20296 | 26.62 ± 0.56 | 39.87 | 3.28 | 0.079 ± 0.001 |
| Σ | | 22.852852 | 0.060 | 1809.4489 | 0.172 | 8.9167683 | 1.595 | 356.67323 | 0.039 | 9882.3513 | 0.006 | | | | | |

| Information on Analysis and Constants Used in Calculations | |
|---|---|
| Project = MCCLAUGHRY (18-09) Sample = HBH-295-17 Material = Groundmass Location = Soldier Creek Region = Eastern Cascades Analyst = Dan Miggins Irradiation = 18-OSU-04 (4C23-18) Position = X: 999 Y: 999 Z/H: 36.78 mm FCT-NM Age = 28.201 ± 0.023 Ma FCT-NM Reference = Kuiper et al (2008) FCT-NM 40Ar/39Ar Ratio = 10.08120 ± 0.00746 FCT-NM J-value = 0.00155908 ± 0.00000115 Air Shot 40Ar/36Ar = 305.7650 ± 0.3088 Air Shot MDF = 0.99159627 ± 0.00062324 (LIN) Experiment Type = Incremental Heating Extraction Method = Bulk Laser Heating Heating = 64 sec Isolation = 5.10 min Instrument = ARGUS-VI-D Preferred Age = Plateau Age Age Classification = Eruption Age IGSN = 15.24 Rock Class = Undefined Lithology = Undefined Lat-Lon = Undefined - Undefined | Age Equations = Min et al. (2000) Negative Intensities = Allowed Collector Calibrations = 36Ar Decay 40K = 5.530 ± 0.048 E-10 1/a Decay 39Ar = 2.940 ± 0.016 E-07 1/h Decay 37Ar = 8.230 ± 0.012 E-04 1/h Decay 36Cl = 2.257 ± 0.015 E-06 1/a Decay 40K(EC,β ⁺) = 0.580 ± 0.009 E-10 1/a Decay 40K(β ⁻) = 4.950 ± 0.043 E-10 1/a Atmospheric 40/36(a) = 300.23 ± 1.80 Atmospheric 38/36(a) = 0.1869 Production 39/37(ca) = 0.0006425 ± 0.0000059 Production 38/37(ca) = 0.0001800 ± 0.0000173 Production 36/37(ca) = 0.0002703 ± 0.0000005 Production 40/39(k) = 0.000607 ± 0.000059 Production 38/39(k) = 0.012077 ± 0.000011 Production 36/38(cl) = 262.80 ± 1.71 Scaling Ratio K/Ca = 0.430 Abundance Ratio 40K/K = 1.1700 ± 0.0100 E-04 Atomic Weight K = 39.0983 ± 0.0001 g |

| Results | 40(a)/36(a) ± 2σ | 40(r)/39(k) ± 2σ | Age ± 2σ (Ma) | MSWD | 39Ar(k) (%,n) | K/Ca ± 2σ |
|---|--------------------------|---|-------------------------|-------------------|--|---------------|
| Age Plateau Error Mean | | 8.83871 ± 0.05382 ± 0.61% | 24.75 ± 0.15 ± 0.62% | 1.61 3% | 63.13 25 | 0.082 ± 0.005 |
| | | Full External Error ± 0.58 Analytical Error ± 0.15 | | 1.58 1.2688 | 2σ Confidence Limit Error Magnification | |
| Total Fusion Age | | 8.91082 ± 0.04992 ± 0.56% | 24.95 ± 0.14 ± 0.58% | | 34 | 0.084 ± 0.000 |
| | | Full External Error ± 0.58 Analytical Error ± 0.14 | | | | |
| Normal Isochron Error Chron | 300.56 ± 1.97 ± 0.65% | 8.83414 ± 0.10450 ± 1.18% | 24.74 ± 0.29 ± 1.18% | 4.95 0% | 63.13 25 | |
| | | Full External Error ± 0.63 Analytical Error ± 0.29 | | 1.59 2.2247 | 2σ Confidence Limit Error Magnification | |
| | | | | 8 0.0000554891 | Number of Iterations Convergence | |
| Inverse Isochron Error Chron | 300.55 ± 1.97 ± 0.66% | 8.83743 ± 0.10465 ± 1.18% | 24.75 ± 0.29 ± 1.19% | 4.94 0% | 63.13 25 | |
| | | Full External Error ± 0.63 Analytical Error ± 0.29 | | 1.59 2.2216 | 2σ Confidence Limit Error Magnification | |
| Notes | | | | 2 0.0000219582 | Number of Iterations Convergence | |
| Excess Initial 40Ar/36Ar = 300.23 ± 0.60 (%SD). | | | | 39% | Spreading Factor | |

| Incremental Heating | | 36Ar(a) [fA] | 37Ar(ca) [fA] | 38Ar(cl) [fA] | 39Ar(k) [fA] | 40Ar(r) [fA] | Age ± 2σ (Ma) | 40Ar(r) (%) | 39Ar(k) (%) | K/Ca ± 2σ |
|---------------------|--------|-----------------|------------------|------------------|-----------------|-----------------|------------------|----------------|----------------|---------------|
| 18D25651 | 1.8 % | 0.938484 | 38.6131 | 0.0280496 | 8.13824 | 49.3512 | 17.02 ± 1.32 | 14.90 | 2.29 | 0.091 ± 0.002 |
| 18D25653 | 1.9 % | 0.560867 | 26.7462 | 0.0017188 | 4.73735 | 37.4669 | 22.16 ± 1.39 | 18.20 | 1.33 | 0.076 ± 0.003 |
| 18D25654 | 2.0 % | 0.441291 | 20.7869 | 0.0063316 | 3.61838 | 29.8272 | 23.09 ± 1.46 | 18.38 | 1.02 | 0.075 ± 0.003 |
| 18D25655 | 2.1 % | ✓ 0.681269 | 22.8148 | 0.0376867 | 3.88605 | 32.8788 | 23.70 ± 2.00 | 13.85 | 1.09 | 0.073 ± 0.003 |
| 18D25657 | 2.2 % | ✓ 0.551883 | 22.4415 | 0.0052459 | 3.64945 | 33.0857 | 25.38 ± 1.80 | 16.64 | 1.03 | 0.070 ± 0.003 |
| 18D25658 | 2.3 % | ✓ 0.505929 | 19.7692 | 0.0430816 | 3.31912 | 28.8318 | 24.33 ± 1.82 | 15.95 | 0.93 | 0.072 ± 0.004 |
| 18D25659 | 2.4 % | ✓ 0.802156 | 21.5208 | 0.0492699 | 3.78836 | 33.0647 | 24.44 ± 2.43 | 12.07 | 1.07 | 0.076 ± 0.003 |
| 18D25661 | 2.5 % | ✓ 0.634595 | 19.9132 | 0.0323875 | 3.56497 | 30.3259 | 23.83 ± 2.06 | 13.73 | 1.00 | 0.077 ± 0.004 |
| 18D25662 | 2.7 % | ✓ 0.669418 | 22.2871 | 0.0050732 | 4.04837 | 36.0859 | 24.96 ± 1.91 | 15.22 | 1.14 | 0.078 ± 0.003 |
| 18D25663 | 3.0 % | ✓ 0.964279 | 27.4986 | 0.0383139 | 5.10954 | 44.5662 | 24.42 ± 2.14 | 13.34 | 1.44 | 0.080 ± 0.003 |
| 18D25665 | 3.4 % | ✓ 1.157685 | 33.6766 | 0.0395141 | 6.65511 | 58.2534 | 24.51 ± 1.97 | 14.35 | 1.87 | 0.085 ± 0.002 |
| 18D25666 | 3.8 % | ✓ 0.726680 | 36.7245 | 0.0303937 | 7.48047 | 67.2416 | 25.17 ± 1.11 | 23.56 | 2.10 | 0.088 ± 0.002 |
| 18D25667 | 4.2 % | ✓ 0.586327 | 37.0563 | 0.0083427 | 8.05963 | 72.0664 | 25.04 ± 0.85 | 29.05 | 2.27 | 0.094 ± 0.002 |
| 18D25669 | 4.6 % | ✓ 0.388977 | 34.1908 | 0.0000000 | 7.98618 | 71.8502 | 25.19 ± 0.60 | 38.09 | 2.25 | 0.100 ± 0.003 |
| 18D25670 | 5.2 % | ✓ 0.412779 | 36.4658 | 0.0014533 | 8.90727 | 80.6891 | 25.36 ± 0.57 | 39.43 | 2.51 | 0.105 ± 0.003 |
| 18D25671 | 5.8 % | ✓ 0.436376 | 38.9566 | 0.0000000 | 9.60364 | 87.0842 | 25.39 ± 0.55 | 39.93 | 2.70 | 0.106 ± 0.003 |
| 18D25673 | 6.5 % | ✓ 0.408065 | 42.3810 | 0.0000000 | 10.26614 | 91.8952 | 25.06 ± 0.49 | 42.86 | 2.89 | 0.104 ± 0.002 |
| 18D25674 | 7.2 % | ✓ 0.334681 | 43.2508 | 0.0000000 | 9.86340 | 87.8654 | 24.94 ± 0.44 | 46.65 | 2.77 | 0.098 ± 0.002 |
| 18D25675 | 8.0 % | ✓ 0.405272 | 60.7945 | 0.0001047 | 12.08416 | 105.7627 | 24.51 ± 0.40 | 46.50 | 3.40 | 0.085 ± 0.002 |
| 18D25677 | 8.9 % | ✓ 0.267362 | 48.2327 | 0.0000000 | 9.24656 | 81.3371 | 24.63 ± 0.38 | 50.33 | 2.60 | 0.082 ± 0.002 |
| 18D25678 | 9.7 % | ✓ 0.175289 | 26.6011 | 0.0000000 | 6.15672 | 53.4711 | 24.32 ± 0.42 | 50.40 | 1.73 | 0.100 ± 0.004 |
| 18D25679 | 10.6 % | ✓ 0.407397 | 63.0729 | 0.0000000 | 11.43488 | 100.0292 | 24.50 ± 0.44 | 44.99 | 3.22 | 0.078 ± 0.001 |
| 18D25681 | 11.6 % | ✓ 0.377313 | 48.5336 | 0.0000000 | 11.22908 | 97.9574 | 24.43 ± 0.41 | 46.37 | 3.16 | 0.099 ± 0.002 |
| 18D25682 | 12.5 % | ✓ 0.286418 | 29.8660 | 0.0000000 | 8.39091 | 72.3884 | 24.16 ± 0.44 | 45.70 | 2.36 | 0.121 ± 0.004 |
| 18D25683 | 13.4 % | ✓ 0.880769 | 121.4221 | 0.0000000 | 19.65020 | 174.9281 | 24.93 ± 0.51 | 39.81 | 5.53 | 0.070 ± 0.001 |
| 18D25685 | 14.6 % | ✓ 0.855602 | 107.4725 | 0.0026430 | 18.59443 | 165.4638 | 24.92 ± 0.53 | 39.18 | 5.23 | 0.074 ± 0.001 |
| 18D25686 | 15.8 % | ✓ 0.509931 | 49.2562 | 0.0016285 | 11.50688 | 102.7532 | 25.00 ± 0.53 | 40.16 | 3.24 | 0.100 ± 0.002 |
| 18D25687 | 16.8 % | ✓ 1.017506 | 104.0303 | 0.0000000 | 19.94427 | 178.8346 | 25.10 ± 0.58 | 36.92 | 5.61 | 0.082 ± 0.001 |
| 18D25689 | 17.8 % | 1.818833 | 182.2580 | 0.0308774 | 33.14192 | 304.1708 | 25.69 ± 0.61 | 35.77 | 9.32 | 0.078 ± 0.001 |
| 18D25690 | 18.9 % | 0.697605 | 62.9284 | 0.0000000 | 13.28377 | 121.2762 | 25.56 ± 0.60 | 36.67 | 3.74 | 0.091 ± 0.002 |
| 18D25691 | 19.8 % | 1.373881 | 139.6353 | 0.0003040 | 26.53497 | 246.2126 | 25.97 ± 0.58 | 37.38 | 7.46 | 0.082 ± 0.001 |
| 18D25693 | 20.8 % | 0.694488 | 68.9236 | 0.0292780 | 13.52313 | 125.3374 | 25.94 ± 0.59 | 37.54 | 3.80 | 0.084 ± 0.001 |
| 18D25694 | 21.9 % | 0.837313 | 87.4863 | 0.0000000 | 16.44908 | 154.6675 | 26.32 ± 0.58 | 38.09 | 4.63 | 0.081 ± 0.001 |
| 18D25696 | 22.5 % | 0.556947 | 63.8419 | 0.0078398 | 11.65803 | 110.8719 | 26.62 ± 0.56 | 39.87 | 3.28 | 0.079 ± 0.001 |
| Σ | | 22.363667 | 1809.4489 | 0.3995379 | 355.51066 | 3167.8917 | | | | |

| Information on Analysis | Results | 40(r)/39(k) ± 2σ | Age ± 2σ (Ma) | MSWD | 39Ar(k) (% <i>n</i>) | K/Ca ± 2σ |
|--|---------------------------|---------------------------|---|----------------|--|---------------|
| Project = MCCLAUGHRY (18-09) Sample = HBH-295-17 Material = Groundmass Location = Soldier Creek Region = Eastern Cascades Analyst = Dan Miggins Irradiation = 18-OSU-04 (4C23-18) J = 0.00155908 ± 0.00000115 FCT-NM = 28.201 ± 0.023 Ma | Age Plateau Error Mean | 8.83871 ± 0.05382 ± 0.61% | 24.75 ± 0.15 ± 0.62% | 1.61 3% | 63.13 25 | 0.082 ± 0.005 |
| | | | Full External Error ± 0.58 Analytical Error ± 0.15 | 1.58 1.2688 | 2σ Confidence Limit Error Magnification | |
| | Total Fusion Age | 8.91082 ± 0.04992 ± 0.56% | 24.95 ± 0.14 ± 0.58% | | 34 | 0.084 ± 0.000 |
| | | | Full External Error ± 0.58 Analytical Error ± 0.14 | | | |

| Normal Isochron | | | 39(k)/36(a) ± 2σ | 40(a+r)/36(a) ± 2σ | r.i. |
|-----------------|--------|---|------------------|--------------------|--------|
| 18D25651 | 1.8 % | | 8.67 ± 0.07 | 352.82 ± 2.25 | 0.7395 |
| 18D25653 | 1.9 % | | 8.45 ± 0.10 | 367.03 ± 2.57 | 0.5832 |
| 18D25654 | 2.0 % | | 8.20 ± 0.12 | 367.82 ± 2.69 | 0.4890 |
| 18D25655 | 2.1 % | ✓ | 5.70 ± 0.07 | 348.49 ± 2.19 | 0.4912 |
| 18D25657 | 2.2 % | ✓ | 6.61 ± 0.09 | 360.18 ± 2.61 | 0.4986 |
| 18D25658 | 2.3 % | ✓ | 6.56 ± 0.10 | 357.22 ± 2.60 | 0.4525 |
| 18D25659 | 2.4 % | ✓ | 4.72 ± 0.06 | 341.45 ± 2.23 | 0.4715 |
| 18D25661 | 2.5 % | ✓ | 5.62 ± 0.08 | 348.02 ± 2.32 | 0.4421 |
| 18D25662 | 2.7 % | ✓ | 6.05 ± 0.08 | 354.14 ± 2.36 | 0.5062 |
| 18D25663 | 3.0 % | ✓ | 5.30 ± 0.06 | 346.45 ± 2.17 | 0.5749 |
| 18D25665 | 3.4 % | ✓ | 5.75 ± 0.05 | 350.55 ± 2.17 | 0.6644 |
| 18D25666 | 3.8 % | ✓ | 10.29 ± 0.09 | 392.76 ± 2.47 | 0.7206 |
| 18D25667 | 4.2 % | ✓ | 13.75 ± 0.12 | 423.14 ± 2.92 | 0.7822 |
| 18D25669 | 4.6 % | ✓ | 20.53 ± 0.20 | 484.95 ± 3.73 | 0.7955 |
| 18D25670 | 5.2 % | ✓ | 21.58 ± 0.21 | 495.71 ± 3.96 | 0.8253 |
| 18D25671 | 5.8 % | ✓ | 22.01 ± 0.19 | 499.79 ± 3.70 | 0.8407 |
| 18D25673 | 6.5 % | ✓ | 25.16 ± 0.22 | 525.43 ± 3.99 | 0.8504 |
| 18D25674 | 7.2 % | ✓ | 29.47 ± 0.29 | 562.76 ± 4.80 | 0.8582 |
| 18D25675 | 8.0 % | ✓ | 29.82 ± 0.24 | 561.20 ± 4.01 | 0.8661 |
| 18D25677 | 8.9 % | ✓ | 34.58 ± 0.34 | 604.45 ± 5.11 | 0.8442 |
| 18D25678 | 9.7 % | ✓ | 35.12 ± 0.44 | 605.27 ± 6.12 | 0.7898 |
| 18D25679 | 10.6 % | ✓ | 28.07 ± 0.24 | 545.76 ± 4.27 | 0.8865 |
| 18D25681 | 11.6 % | ✓ | 29.76 ± 0.26 | 559.85 ± 4.26 | 0.8692 |
| 18D25682 | 12.5 % | ✓ | 29.30 ± 0.29 | 552.97 ± 4.58 | 0.8215 |
| 18D25683 | 13.4 % | ✓ | 22.31 ± 0.16 | 498.84 ± 3.24 | 0.9226 |
| 18D25685 | 14.6 % | ✓ | 21.73 ± 0.15 | 493.62 ± 3.12 | 0.9107 |
| 18D25686 | 15.8 % | ✓ | 22.57 ± 0.18 | 501.73 ± 3.55 | 0.8579 |
| 18D25687 | 16.8 % | ✓ | 19.60 ± 0.13 | 475.99 ± 2.94 | 0.9192 |
| 18D25689 | 17.8 % | | 18.22 ± 0.11 | 467.46 ± 2.74 | 0.9512 |
| 18D25690 | 18.9 % | | 19.04 ± 0.14 | 474.08 ± 3.06 | 0.8723 |
| 18D25691 | 19.8 % | | 19.31 ± 0.12 | 479.44 ± 2.86 | 0.9364 |
| 18D25693 | 20.8 % | | 19.47 ± 0.14 | 480.70 ± 3.01 | 0.8615 |
| 18D25694 | 21.9 % | | 19.65 ± 0.14 | 484.95 ± 3.10 | 0.9032 |
| 18D25696 | 22.5 % | | 20.93 ± 0.17 | 499.30 ± 3.50 | 0.8673 |

| Results | 40(a)/36(a) ± 2σ | 40(r)/39(k) ± 2σ | Age ± 2σ (Ma) | MSWD |
|-----------------|-----------------------|-------------------|----------------------------|-----------------|
| Normal Isochron | 300.56 ± 1.97 | 8.83414 ± 0.10450 | 24.74 ± 0.29 | 4.95 |
| Error Chron | ± 0.65% | ± 1.18% | ± 1.18% | 0% |
| | | | Full External Error ± 0.63 | |
| | | | Analytical Error ± 0.29 | |
| Statistics | 2σ Confidence Limit | 1.59 | Convergence | 0.000055489059 |
| | Error Magnification | 2.2247 | Number of Iterations | 8 |
| | Number of Data Points | 25 | Calculated Line | Weighted York-2 |

| Inverse Isochron | | 39(k)/40(a+r) ± 2σ | | 36(a)/40(a+r) ± 2σ | r.i. |
|------------------|--------|--------------------|-----------------------|-------------------------|--------|
| 18D25651 | 1.8 % | | 0.0245785 ± 0.0001413 | 0.00283434 ± 0.00001807 | 0.0110 |
| 18D25653 | 1.9 % | | 0.0230129 ± 0.0002159 | 0.00272456 ± 0.00001909 | 0.0290 |
| 18D25654 | 2.0 % | | 0.0222922 ± 0.0002779 | 0.00271871 ± 0.00001991 | 0.0271 |
| 18D25655 | 2.1 % | ✓ | 0.0163681 ± 0.0001778 | 0.00286951 ± 0.00001800 | 0.0133 |
| 18D25657 | 2.2 % | ✓ | 0.0183595 ± 0.0002257 | 0.00277639 ± 0.00002010 | 0.0138 |
| 18D25658 | 2.3 % | ✓ | 0.0183654 ± 0.0002557 | 0.00279941 ± 0.00002036 | 0.0149 |
| 18D25659 | 2.4 % | ✓ | 0.0138314 ± 0.0001671 | 0.00292869 ± 0.00001914 | 0.0063 |
| 18D25661 | 2.5 % | ✓ | 0.0161420 ± 0.0002143 | 0.00287342 ± 0.00001912 | 0.0084 |
| 18D25662 | 2.7 % | ✓ | 0.0170771 ± 0.0001908 | 0.00282377 ± 0.00001879 | 0.0088 |
| 18D25663 | 3.0 % | ✓ | 0.0152947 ± 0.0001349 | 0.00288644 ± 0.00001805 | 0.0061 |
| 18D25665 | 3.4 % | ✓ | 0.0163990 ± 0.0001133 | 0.00285267 ± 0.00001763 | 0.0053 |
| 18D25666 | 3.8 % | ✓ | 0.0262093 ± 0.0001568 | 0.00254607 ± 0.00001602 | 0.0123 |
| 18D25667 | 4.2 % | ✓ | 0.0324855 ± 0.0001763 | 0.00236327 ± 0.00001631 | 0.0161 |
| 18D25669 | 4.6 % | ✓ | 0.0423372 ± 0.0002440 | 0.00206209 ± 0.00001587 | 0.0231 |
| 18D25670 | 5.2 % | ✓ | 0.0435312 ± 0.0002349 | 0.00201732 ± 0.00001613 | 0.0205 |
| 18D25671 | 5.8 % | ✓ | 0.0440337 ± 0.0002073 | 0.00200083 ± 0.00001483 | 0.0217 |
| 18D25673 | 6.5 % | ✓ | 0.0478812 ± 0.0002222 | 0.00190321 ± 0.00001447 | 0.0222 |
| 18D25674 | 7.2 % | ✓ | 0.0523684 ± 0.0002635 | 0.00177694 ± 0.00001515 | 0.0236 |
| 18D25675 | 8.0 % | ✓ | 0.0531318 ± 0.0002161 | 0.00178190 ± 0.00001273 | 0.0239 |
| 18D25677 | 8.9 % | ✓ | 0.0572163 ± 0.0003013 | 0.00165440 ± 0.00001398 | 0.0307 |
| 18D25678 | 9.7 % | ✓ | 0.0580284 ± 0.0004419 | 0.00165214 ± 0.00001671 | 0.0418 |
| 18D25679 | 10.6 % | ✓ | 0.0514292 ± 0.0002077 | 0.00183230 ± 0.00001434 | 0.0230 |
| 18D25681 | 11.6 % | ✓ | 0.0531584 ± 0.0002269 | 0.00178620 ± 0.00001359 | 0.0253 |
| 18D25682 | 12.5 % | ✓ | 0.0529797 ± 0.0002982 | 0.00180843 ± 0.00001497 | 0.0304 |
| 18D25683 | 13.4 % | ✓ | 0.0447245 ± 0.0001210 | 0.00200466 ± 0.00001303 | 0.0111 |
| 18D25685 | 14.6 % | ✓ | 0.0440271 ± 0.0001254 | 0.00202585 ± 0.00001280 | 0.0120 |
| 18D25686 | 15.8 % | ✓ | 0.0449751 ± 0.0001886 | 0.00199309 ± 0.00001411 | 0.0186 |
| 18D25687 | 16.8 % | ✓ | 0.0411799 ± 0.0001086 | 0.00210089 ± 0.00001299 | 0.0101 |
| 18D25689 | 17.8 % | | 0.0389795 ± 0.0000740 | 0.00213920 ± 0.00001254 | 0.0049 |
| 18D25690 | 18.9 % | | 0.0401664 ± 0.0001443 | 0.00210936 ± 0.00001362 | 0.0144 |
| 18D25691 | 19.8 % | | 0.0402843 ± 0.0000897 | 0.00208577 ± 0.00001243 | 0.0074 |
| 18D25693 | 20.8 % | | 0.0405074 ± 0.0001485 | 0.00208028 ± 0.00001304 | 0.0143 |
| 18D25694 | 21.9 % | | 0.0405096 ± 0.0001224 | 0.00206207 ± 0.00001318 | 0.0120 |
| 18D25696 | 22.5 % | | 0.0419227 ± 0.0001670 | 0.00200280 ± 0.00001403 | 0.0171 |

| Results | 40(a)/36(a) ± 2σ | 40(r)/39(k) ± 2σ | Age ± 2σ (Ma) | MSWD |
|------------------|-----------------------|-------------------|----------------------------|-----------------|
| Inverse Isochron | 300.55 ± 1.97 | 8.83743 ± 0.10465 | 24.75 ± 0.29 | 4.94 |
| Error Chron | ± 0.66% | ± 1.18% | ± 1.19% | 0% |
| | | | Full External Error ± 0.63 | |
| | | | Analytical Error ± 0.29 | |
| Statistics | 2σ Confidence Limit | 1.59 | Convergence | 0.0000219582 |
| | Error Magnification | 2.2216 | Number of Iterations | 2 |
| | Number of Data Points | 25 | Calculated Line | Weighted York-2 |
| | Spreading Factor | 39.1% | | |

| Degassing Patterns | | 36Ar(a) [fA] | %1σ | 36Ar(c) [fA] | %1σ | 36Ar(ca) [fA] | %1σ | 36Ar(cl) [fA] | %1σ | 37Ar(ca) [fA] | %1σ | 38Ar(a) [fA] | %1σ | 38Ar(c) [fA] | %1σ | 38Ar(k) [fA] | %1σ | 38Ar(ca) [fA] | %1σ | 38Ar(cl) [fA] | %1σ | 39Ar(k) [fA] | %1σ | 39Ar(ca) [fA] | %1σ | 40Ar(r) [fA] | %1σ | 40Ar(a) [fA] | %1σ | 40Ar(c) [fA] | %1σ | 40Ar(k) [fA] | %1σ |
|--------------------|--------|-----------------|------|-----------------|------|------------------|------|------------------|--------|------------------|------|-----------------|------|-----------------|------|-----------------|------|------------------|------|------------------|--------|-----------------|------|------------------|------|-----------------|------|-----------------|------|-----------------|------|-----------------|------|
| 18D25651 | 1.8 % | 0.938484 | 0.32 | 0.0000000 | 0.00 | 0.0104371 | 1.33 | 0.0000064 | 83.85 | 38.6131 | 1.32 | 0.1754027 | 0.32 | 0.0000000 | 0.00 | 0.0982855 | 0.30 | 0.0069504 | 9.72 | 0.0280496 | 83.85 | 8.13824 | 0.29 | 0.0248089 | 1.61 | 49.3512 | 3.88 | 281.7611 | 0.68 | 0.0000000 | 0.00 | 0.0049399 | 9.65 |
| 18D25653 | 1.9 % | 0.560867 | 0.34 | 0.0000000 | 0.00 | 0.0072295 | 1.74 | 0.0000004 | ##### | 26.7462 | 1.73 | 0.1048261 | 0.34 | 0.0000000 | 0.00 | 0.0572129 | 0.47 | 0.0048143 | 9.78 | 0.0017188 | ##### | 4.73735 | 0.46 | 0.0171844 | 1.96 | 37.4669 | 3.13 | 168.3892 | 0.69 | 0.0000000 | 0.00 | 0.0028756 | 9.66 |
| 18D25654 | 2.0 % | 0.441291 | 0.36 | 0.0000000 | 0.00 | 0.0056187 | 2.10 | 0.0000014 | 390.22 | 20.7869 | 2.10 | 0.0824772 | 0.36 | 0.0000000 | 0.00 | 0.0436992 | 0.62 | 0.0037416 | 9.86 | 0.0063316 | 390.22 | 3.61838 | 0.62 | 0.0133556 | 2.29 | 29.8272 | 3.13 | 132.4887 | 0.70 | 0.0000000 | 0.00 | 0.0021964 | 9.67 |
| 18D25655 | 2.1 % | ✓0.681269 | 0.31 | 0.0000000 | 0.00 | 0.0061668 | 1.91 | 0.0000086 | 62.41 | 22.8148 | 1.90 | 0.1273292 | 0.31 | 0.0000000 | 0.00 | 0.0469318 | 0.55 | 0.0041067 | 9.82 | 0.0376867 | 62.41 | 3.88605 | 0.54 | 0.0146585 | 2.12 | 32.8788 | 4.21 | 204.5375 | 0.67 | 0.0000000 | 0.00 | 0.0023588 | 9.67 |
| 18D25657 | 2.2 % | ✓0.551883 | 0.36 | 0.0000000 | 0.00 | 0.0060659 | 2.05 | 0.0000012 | 450.24 | 22.4415 | 2.04 | 0.1031469 | 0.36 | 0.0000000 | 0.00 | 0.0440744 | 0.62 | 0.0040395 | 9.84 | 0.0052459 | 450.24 | 3.64945 | 0.61 | 0.0144187 | 2.24 | 33.0857 | 3.51 | 165.6918 | 0.70 | 0.0000000 | 0.00 | 0.0022152 | 9.67 |
| 18D25658 | 2.3 % | ✓0.505929 | 0.36 | 0.0000000 | 0.00 | 0.0053436 | 2.43 | 0.0000098 | 55.48 | 19.7692 | 2.42 | 0.0945581 | 0.36 | 0.0000000 | 0.00 | 0.0400850 | 0.70 | 0.0035585 | 9.93 | 0.0430816 | 55.49 | 3.31912 | 0.69 | 0.0127017 | 2.59 | 28.8318 | 3.70 | 151.8950 | 0.70 | 0.0000000 | 0.00 | 0.0020147 | 9.67 |
| 18D25659 | 2.4 % | ✓0.802156 | 0.32 | 0.0000000 | 0.00 | 0.0058171 | 2.06 | 0.0000112 | 51.22 | 21.5208 | 2.06 | 0.1499230 | 0.32 | 0.0000000 | 0.00 | 0.0457520 | 0.61 | 0.0038737 | 9.85 | 0.0492699 | 51.23 | 3.78836 | 0.60 | 0.0138271 | 2.25 | 33.0647 | 4.97 | 240.8314 | 0.68 | 0.0000000 | 0.00 | 0.0022995 | 9.67 |
| 18D25661 | 2.5 % | ✓0.634595 | 0.33 | 0.0000000 | 0.00 | 0.0053825 | 2.27 | 0.0000074 | 71.52 | 19.9132 | 2.27 | 0.1186058 | 0.33 | 0.0000000 | 0.00 | 0.0430541 | 0.67 | 0.0035844 | 9.89 | 0.0323875 | 71.53 | 3.56497 | 0.66 | 0.0127942 | 2.45 | 30.3259 | 4.31 | 190.5244 | 0.68 | 0.0000000 | 0.00 | 0.0021639 | 9.67 |
| 18D25662 | 2.7 % | ✓0.669418 | 0.33 | 0.0000000 | 0.00 | 0.0060242 | 2.09 | 0.0000012 | 478.45 | 22.2871 | 2.08 | 0.1251142 | 0.33 | 0.0000000 | 0.00 | 0.0488922 | 0.56 | 0.0040117 | 9.85 | 0.0050732 | 478.45 | 4.04837 | 0.56 | 0.0143195 | 2.28 | 36.0859 | 3.82 | 200.9793 | 0.68 | 0.0000000 | 0.00 | 0.0024574 | 9.67 |
| 18D25663 | 3.0 % | ✓0.964279 | 0.31 | 0.0000000 | 0.00 | 0.0074329 | 1.68 | 0.0000087 | 63.91 | 27.4986 | 1.67 | 0.1802237 | 0.31 | 0.0000000 | 0.00 | 0.0617079 | 0.45 | 0.0049497 | 9.77 | 0.0383139 | 63.92 | 5.10954 | 0.44 | 0.0176679 | 1.90 | 44.5662 | 4.39 | 289.5054 | 0.68 | 0.0000000 | 0.00 | 0.0031015 | 9.66 |
| 18D25665 | 3.4 % | ✓1.157685 | 0.31 | 0.0000000 | 0.00 | 0.0091028 | 1.42 | 0.0000090 | 62.89 | 33.6766 | 1.41 | 0.2163713 | 0.31 | 0.0000000 | 0.00 | 0.0803737 | 0.36 | 0.0060618 | 9.73 | 0.0395141 | 62.90 | 6.65511 | 0.34 | 0.0216372 | 1.68 | 58.2534 | 4.02 | 347.5718 | 0.67 | 0.0000000 | 0.00 | 0.0040397 | 9.66 |
| 18D25666 | 3.8 % | ✓0.726680 | 0.31 | 0.0000000 | 0.00 | 0.0099266 | 1.28 | 0.0000069 | 76.02 | 36.7245 | 1.26 | 0.1358165 | 0.31 | 0.0000000 | 0.00 | 0.0903417 | 0.31 | 0.0066104 | 9.71 | 0.0303937 | 76.03 | 7.48047 | 0.30 | 0.0235955 | 1.56 | 67.2416 | 2.20 | 218.1711 | 0.68 | 0.0000000 | 0.00 | 0.0045406 | 9.65 |
| 18D25667 | 4.2 % | ✓0.586327 | 0.34 | 0.0000000 | 0.00 | 0.0100163 | 1.25 | 0.0000019 | 293.71 | 37.0563 | 1.24 | 0.1095845 | 0.34 | 0.0000000 | 0.00 | 0.0973361 | 0.28 | 0.0066701 | 9.71 | 0.0083427 | 293.71 | 8.05963 | 0.27 | 0.0238087 | 1.55 | 72.0664 | 1.69 | 176.0329 | 0.69 | 0.0000000 | 0.00 | 0.0048922 | 9.65 |
| 18D25669 | 4.6 % | ✓0.388977 | 0.38 | 0.0000000 | 0.00 | 0.0092418 | 1.36 | 0.0000000 | 0.00 | 34.1908 | 1.35 | 0.0726997 | 0.38 | 0.0000000 | 0.00 | 0.0964491 | 0.30 | 0.0061543 | 9.72 | 0.0000000 | 0.00 | 7.98618 | 0.28 | 0.0219676 | 1.63 | 71.8502 | 1.16 | 116.7824 | 0.71 | 0.0000000 | 0.00 | 0.0048476 | 9.65 |
| 18D25670 | 5.2 % | ✓0.412779 | 0.40 | 0.0000000 | 0.00 | 0.0098567 | 1.35 | 0.0000003 | ##### | 36.4658 | 1.34 | 0.0771484 | 0.40 | 0.0000000 | 0.00 | 0.1075730 | 0.28 | 0.0065638 | 9.72 | 0.0014533 | ##### | 8.90727 | 0.27 | 0.0234293 | 1.62 | 80.6891 | 1.11 | 123.9286 | 0.72 | 0.0000000 | 0.00 | 0.0054067 | 9.65 |
| 18D25671 | 5.8 % | ✓0.436376 | 0.37 | 0.0000000 | 0.00 | 0.0105300 | 1.26 | 0.0000000 | 0.00 | 38.9566 | 1.24 | 0.0815587 | 0.37 | 0.0000000 | 0.00 | 0.1159831 | 0.25 | 0.0070122 | 9.71 | 0.0000000 | 0.00 | 9.60364 | 0.23 | 0.0250296 | 1.55 | 87.0842 | 1.06 | 131.0133 | 0.70 | 0.0000000 | 0.00 | 0.0058294 | 9.65 |
| 18D25673 | 6.5 % | ✓0.408065 | 0.38 | 0.0000000 | 0.00 | 0.0114556 | 1.13 | 0.0000000 | 0.00 | 42.3810 | 1.11 | 0.0762673 | 0.38 | 0.0000000 | 0.00 | 0.1239842 | 0.24 | 0.0076286 | 9.69 | 0.0000000 | 0.00 | 10.26614 | 0.23 | 0.0272298 | 1.44 | 91.8952 | 0.95 | 122.5133 | 0.71 | 0.0000000 | 0.00 | 0.0062315 | 9.65 |
| 18D25674 | 7.2 % | ✓0.334681 | 0.42 | 0.0000000 | 0.00 | 0.0116907 | 1.19 | 0.0000000 | 0.00 | 43.2508 | 1.18 | 0.0625518 | 0.42 | 0.0000000 | 0.00 | 0.1191203 | 0.26 | 0.0077851 | 9.70 | 0.0000000 | 0.00 | 9.86340 | 0.25 | 0.0277886 | 1.49 | 87.8654 | 0.85 | 100.4812 | 0.73 | 0.0000000 | 0.00 | 0.0059871 | 9.65 |
| 18D25675 | 8.0 % | ✓0.405272 | 0.35 | 0.0000000 | 0.00 | 0.0164328 | 0.89 | 0.0000000 | ##### | 60.7945 | 0.88 | 0.0757454 | 0.35 | 0.0000000 | 0.00 | 0.1459404 | 0.22 | 0.0109430 | 9.67 | 0.0001047 | ##### | 12.08416 | 0.20 | 0.0390605 | 1.27 | 105.7627 | 0.81 | 121.6748 | 0.70 | 0.0000000 | 0.00 | 0.0073351 | 9.65 |
| 18D25677 | 8.9 % | ✓0.267362 | 0.42 | 0.0000000 | 0.00 | 0.0130373 | 1.05 | 0.0000000 | 0.00 | 48.2327 | 1.04 | 0.0499700 | 0.42 | 0.0000000 | 0.00 | 0.1116708 | 0.27 | 0.0086819 | 9.69 | 0.0000000 | 0.00 | 9.24656 | 0.26 | 0.0309895 | 1.39 | 81.3371 | 0.73 | 80.2702 | 0.73 | 0.0000000 | 0.00 | 0.0056127 | 9.65 |
| 18D25678 | 9.7 % | ✓0.175289 | 0.50 | 0.0000000 | 0.00 | 0.0071903 | 1.79 | 0.0000000 | 0.00 | 26.6011 | 1.78 | 0.0327616 | 0.50 | 0.0000000 | 0.00 | 0.0743547 | 0.38 | 0.0047882 | 9.79 | 0.0000000 | 0.00 | 6.15672 | 0.37 | 0.0170912 | 2.00 | 53.4711 | 0.79 | 52.6272 | 0.78 | 0.0000000 | 0.00 | 0.0037371 | 9.66 |
| 18D25679 | 10.6 % | ✓0.407397 | 0.39 | 0.0000000 | 0.00 | 0.0170486 | 0.86 | 0.0000000 | 0.00 | 63.0729 | 0.84 | 0.0761425 | 0.39 | 0.0000000 | 0.00 | 0.1380990 | 0.22 | 0.0113531 | 9.67 | 0.0000000 | 0.00 | 11.43488 | 0.20 | 0.0405244 | 1.25 | 100.0292 | 0.88 | 122.3129 | 0.71 | 0.0000000 | 0.00 | 0.0069410 | 9.65 |
| 18D25681 | 11.6 % | ✓0.377313 | 0.38 | 0.0000000 | 0.00 | 0.0131186 | 1.01 | 0.0000000 | 0.00 | 48.5336 | 1.00 | 0.0705198 | 0.38 | 0.0000000 | 0.00 | 0.1356136 | 0.23 | 0.0087360 | 9.68 | 0.0000000 | 0.00 | 11.22908 | 0.21 | 0.0311828 | 1.36 | 97.9574 | 0.82 | 113.2807 | 0.71 | 0.0000000 | 0.00 | 0.0068161 | 9.65 |
| 18D25682 | 12.5 % | ✓0.286418 | 0.41 | 0.0000000 | 0.00 | 0.0080728 | 1.58 | 0.0000000 | 0.00 | 29.8660 | 1.57 | 0.0535314 | 0.41 | 0.0000000 | 0.00 | 0.1013370 | 0.29 | 0.0053759 | 9.76 | 0.0000000 | 0.00 | 8.39091 | 0.28 | 0.0191889 | 1.82 | 72.3884 | 0.87 | 85.9911 | 0.73 | 0.0000000 | 0.00 | 0.0050933 | 9.65 |
| 18D25683 | 13.4 % | ✓0.880769 | 0.32 | 0.0000000 | 0.00 | 0.0328204 | 0.60 | 0.0000000 | 0.00 | 121.4221 | 0.57 | 0.1646157 | 0.32 | 0.0000000 | 0.00 | 0.2373155 | 0.16 | 0.0218560 | 9.65 | 0.0000000 | 0.00 | 19.65020 | 0.13 | 0.0780137 | 1.08 | 174.9281 | 1.03 | 264.4332 | 0.68 | 0.0000000 | 0.00 | 0.0119277 | 9.65 |
| 18D25685 | 14.6 % | ✓0.855602 | 0.31 | 0.0000000 | 0.00 | 0.0290498 | 0.63 | 0.0000006 | 933.63 | 107.4725 | 0.61 | 0.1599120 | 0.31 | 0.0000000 | 0.00 | 0.2245650 | 0.17 | 0.0193450 | 9.65 | 0.0026430 | 933.63 | 18.59443 | 0.14 | 0.0690511 | 1.10 | 165.4638 | 1.05 | 256.8773 | 0.68 | 0.0000000 | 0.00 | 0.0112868 | 9.65 |
| 18D25686 | 15.8 % | ✓0.509931 | 0.35 | 0.0000000 | 0.00 | 0.0133140 | 1.03 | 0.0000004 | ##### | 49.2562 | 1.01 | 0.0953060 | 0.35 | 0.0000000 | 0.00 | 0.1389685 | 0.23 | 0.0088661 | 9.68 | 0.0016285 | ##### | 11.50688 | 0.21 | 0.0316471 | 1.37 | 102.7532 | 1.04 | 153.0965 | 0.69 | 0.0000000 | 0.00 | 0.0069847 | 9.65 |
| 18D25687 | 16.8 % | ✓1.017506 | 0.31 | 0.0000000 | 0.00 | 0.0281194 | 0.64 | 0.0000000 | 0.00 | 104.0303 | 0.62 | 0.1901719 | 0.31 | 0.0000000 | 0.00 | 0.2408670 | 0.16 | 0.0187255 | 9.65 | 0.0000000 | 0.00 | 19.94427 | 0.13 | 0.0668395 | 1.11 | 178.8346 | 1.15 | 305.4859 | 0.67 | 0.0000000 | 0.00 | 0.0121062 | 9.65 |
| 18D25689 | 17.8 % | 1.818833 | 0.29 | 0.0000000 | 0.00 | 0.0492643 | 0.53 | 0.0000071 | 79.76 | 182.2580 | 0.51 | 0.3399399 | 0.29 | 0.0000000 | 0.00 | 0.4002550 | 0.13 | 0.0328064 | 9.64 | 0.0308774 | 79.76 | 33.14192 | 0.09 | 0.1171007 | 1.05 | 304.1708 | 1.20 | 546.0683 | 0.67 | 0.0000000 | 0.00 | 0.0201171 | 9.65 |
| 18D25690 | 18.9 % | 0.697605 | 0.32 | 0.0000000 | 0.00 | 0.0170095 | 0.86 | 0.0000000 | 0.00 | 62.9284 | 0.84 | 0.1303824 | 0.32 | 0.0000000 | 0.00 | 0.1604281 | 0.20 | 0.0113271 | 9.67 | 0.0000000 | 0.00 | 13.28377 | 0.18 | 0.0404315 | 1.25 | 121.2762 | 1.18 | 209.4420 | 0.68 | 0.0000000 | 0.00 | 0.0080633 | 9.65 |
| 18D25691 | 19.8 % | 1.373881 | 0.30 | 0.0000000 | 0.00 | 0.0377434 | 0.56 | 0.0000001 | ##### | 139.6353 | 0.54 | 0.2567784 | 0.30 | 0.0000000 | 0.00 | 0.3204628 | 0.14 | 0.0251344 | 9.65 | 0.0003040 | ##### | 26.53497 | 0.11 | 0.0 | | | | | | | | | |

| Additional Parameters | | | 40Ar/39Ar | 1σ | 37Ar/39Ar | 1σ | 36Ar/39Ar | 1σ | Time (days) | 37Ar (decay) | 39Ar (decay) | 40Ar (moles) |
|-----------------------|--------|---|-----------|----------|-----------|----------|-----------|----------|-------------|--------------|--------------|--------------|
| 18D25651 | 1.8 % | | 40.562934 | 0.116190 | 4.730229 | 0.063690 | 0.116247 | 0.000492 | 140.414 | 16.053439 | 1.00099213 | 1.589E-11 |
| 18D25653 | 1.9 % | | 43.297418 | 0.202343 | 5.625415 | 0.100962 | 0.119485 | 0.000684 | 140.432 | 16.059166 | 1.00099226 | 9.881E-12 |
| 18D25654 | 2.0 % | | 44.694374 | 0.277533 | 5.723673 | 0.125055 | 0.123057 | 0.000873 | 140.441 | 16.062029 | 1.00099233 | 7.791E-12 |
| 18D25655 | 2.1 % | ✓ | 60.865571 | 0.329393 | 5.848877 | 0.115784 | 0.176236 | 0.001093 | 140.450 | 16.064894 | 1.00099239 | 1.140E-11 |
| 18D25657 | 2.2 % | ✓ | 54.254057 | 0.332200 | 6.125081 | 0.130399 | 0.152284 | 0.001073 | 140.468 | 16.070624 | 1.00099252 | 9.541E-12 |
| 18D25658 | 2.3 % | ✓ | 54.243246 | 0.376193 | 5.933450 | 0.149511 | 0.153454 | 0.001191 | 140.477 | 16.073490 | 1.00099258 | 8.675E-12 |
| 18D25659 | 2.4 % | ✓ | 72.037042 | 0.433534 | 5.660102 | 0.121316 | 0.212505 | 0.001449 | 140.487 | 16.076577 | 1.00099265 | 1.315E-11 |
| 18D25661 | 2.5 % | ✓ | 61.729212 | 0.408173 | 5.565816 | 0.131461 | 0.178878 | 0.001317 | 140.505 | 16.082311 | 1.00099278 | 1.060E-11 |
| 18D25662 | 2.7 % | ✓ | 58.352312 | 0.324729 | 5.485798 | 0.118249 | 0.166255 | 0.001071 | 140.514 | 16.085179 | 1.00099284 | 1.138E-11 |
| 18D25663 | 3.0 % | ✓ | 65.157243 | 0.286428 | 5.363271 | 0.092445 | 0.189522 | 0.001016 | 140.523 | 16.088048 | 1.00099290 | 1.604E-11 |
| 18D25665 | 3.4 % | ✓ | 60.782498 | 0.209278 | 5.043864 | 0.073035 | 0.174755 | 0.000803 | 140.541 | 16.093787 | 1.00099303 | 1.948E-11 |
| 18D25666 | 3.8 % | ✓ | 38.034998 | 0.113441 | 4.893948 | 0.063518 | 0.098162 | 0.000420 | 140.550 | 16.096657 | 1.00099310 | 1.370E-11 |
| 18D25667 | 4.2 % | ✓ | 30.692899 | 0.083053 | 4.584227 | 0.058277 | 0.073774 | 0.000317 | 140.559 | 16.099527 | 1.00099316 | 1.191E-11 |
| 18D25669 | 4.6 % | ✓ | 23.555692 | 0.067691 | 4.269496 | 0.058730 | 0.049727 | 0.000232 | 140.578 | 16.105491 | 1.00099329 | 9.055E-12 |
| 18D25670 | 5.2 % | ✓ | 22.912346 | 0.061643 | 4.083199 | 0.055736 | 0.047324 | 0.000222 | 140.587 | 16.108363 | 1.00099336 | 9.822E-12 |
| 18D25671 | 5.8 % | ✓ | 22.651458 | 0.053180 | 4.045895 | 0.051203 | 0.046414 | 0.000198 | 140.596 | 16.111235 | 1.00099342 | 1.047E-11 |
| 18D25673 | 6.5 % | ✓ | 20.830379 | 0.048201 | 4.117307 | 0.046781 | 0.040756 | 0.000176 | 140.614 | 16.116982 | 1.00099355 | 1.029E-11 |
| 18D25674 | 7.2 % | ✓ | 19.042456 | 0.047770 | 4.372658 | 0.052496 | 0.035018 | 0.000167 | 140.623 | 16.119856 | 1.00099361 | 9.041E-12 |
| 18D25675 | 8.0 % | ✓ | 18.761093 | 0.038026 | 5.014718 | 0.045046 | 0.034785 | 0.000137 | 140.632 | 16.122731 | 1.00099367 | 1.092E-11 |
| 18D25677 | 8.9 % | ✓ | 17.419776 | 0.045711 | 5.198859 | 0.055720 | 0.030223 | 0.000142 | 140.651 | 16.128703 | 1.00099381 | 7.757E-12 |
| 18D25678 | 9.7 % | ✓ | 17.185827 | 0.065257 | 4.308699 | 0.078349 | 0.029557 | 0.000177 | 140.660 | 16.131580 | 1.00099387 | 5.093E-12 |
| 18D25679 | 10.6 % | ✓ | 19.376141 | 0.038979 | 5.496358 | 0.047447 | 0.036987 | 0.000156 | 140.669 | 16.134456 | 1.00099393 | 1.067E-11 |
| 18D25681 | 11.6 % | ✓ | 18.760209 | 0.039921 | 4.310164 | 0.043956 | 0.034673 | 0.000145 | 140.687 | 16.140212 | 1.00099406 | 1.014E-11 |
| 18D25682 | 12.5 % | ✓ | 18.832682 | 0.052875 | 3.551208 | 0.056602 | 0.035016 | 0.000169 | 140.696 | 16.143090 | 1.00099413 | 7.602E-12 |
| 18D25683 | 13.4 % | ✓ | 22.271311 | 0.030000 | 6.154743 | 0.036257 | 0.046309 | 0.000157 | 140.705 | 16.145969 | 1.00099419 | 2.109E-11 |
| 18D25685 | 14.6 % | ✓ | 22.629879 | 0.032110 | 5.758436 | 0.035948 | 0.047400 | 0.000159 | 140.724 | 16.151949 | 1.00099432 | 2.027E-11 |
| 18D25686 | 15.8 % | ✓ | 22.174125 | 0.046368 | 4.268852 | 0.044120 | 0.045348 | 0.000181 | 140.733 | 16.154830 | 1.00099439 | 1.228E-11 |
| 18D25687 | 16.8 % | ✓ | 24.203185 | 0.031805 | 5.198626 | 0.032983 | 0.052252 | 0.000171 | 140.742 | 16.157711 | 1.00099445 | 2.325E-11 |
| 18D25689 | 17.8 % | | 25.564768 | 0.024164 | 5.479956 | 0.028236 | 0.056168 | 0.000168 | 140.760 | 16.163474 | 1.00099458 | 4.081E-11 |
| 18D25690 | 18.9 % | | 24.821461 | 0.044433 | 4.722863 | 0.040503 | 0.053633 | 0.000193 | 140.769 | 16.166357 | 1.00099464 | 1.587E-11 |
| 18D25691 | 19.8 % | | 24.740543 | 0.027442 | 5.244580 | 0.028817 | 0.053019 | 0.000164 | 140.778 | 16.169240 | 1.00099470 | 3.162E-11 |
| 18D25693 | 20.8 % | | 24.606894 | 0.044936 | 5.080082 | 0.042697 | 0.052562 | 0.000185 | 140.797 | 16.175229 | 1.00099484 | 1.602E-11 |
| 18D25694 | 21.9 % | | 24.602038 | 0.037036 | 5.300497 | 0.037145 | 0.052163 | 0.000179 | 140.806 | 16.178114 | 1.00099490 | 1.949E-11 |
| 18D25696 | 22.5 % | | 23.770404 | 0.047178 | 5.457018 | 0.046686 | 0.049081 | 0.000191 | 140.824 | 16.183884 | 1.00099503 | 1.335E-11 |

| Procedure Blanks | | 36Ar ± 1σ (SE) [fA] | 37Ar ± 1σ (SE) [fA] | 38Ar ± 1σ (SE) [fA] | 39Ar ± 1σ (SE) [fA] | 40Ar ± 1σ (SE) [fA] |
|---------------------|--------|------------------------|------------------------|------------------------|------------------------|------------------------|
| 18D25651 | 1.8 % | 0.0230759 ± 0.0002701 | 0.0353364 ± 0.0193227 | 0.0320925 ± 0.0172200 | 0.0047713 ± 0.0151770 | 6.5177628 ± 0.0908802 |
| 18D25653 | 1.9 % | 0.0239644 ± 0.0002701 | 0.0328545 ± 0.0193227 | 0.0453464 ± 0.0172200 | 0.0102177 ± 0.0151770 | 6.8375510 ± 0.0908802 |
| 18D25654 | 2.0 % | 0.0242553 ± 0.0002701 | 0.0315910 ± 0.0193227 | 0.0501712 ± 0.0172200 | 0.0141764 ± 0.0151770 | 6.9379447 ± 0.0908802 |
| 18D25655 | 2.1 % | 0.0244595 ± 0.0002701 | 0.0303587 ± 0.0193227 | 0.0539462 ± 0.0172200 | 0.0161957 ± 0.0151770 | 7.0050595 ± 0.0908802 |
| 18D25657 | 2.2 % | 0.0246508 ± 0.0002701 | 0.0281078 ± 0.0193227 | 0.0587728 ± 0.0172200 | 0.0155698 ± 0.0151770 | 7.0571482 ± 0.0908802 |
| 18D25658 | 2.3 % | 0.0246580 ± 0.0002701 | 0.0271413 ± 0.0193227 | 0.0600255 ± 0.0172200 | 0.0134592 ± 0.0151770 | 7.0503585 ± 0.0908802 |
| 18D25659 | 2.4 % | 0.0246139 ± 0.0002701 | 0.0262525 ± 0.0193227 | 0.0606529 ± 0.0172200 | 0.0102197 ± 0.0151770 | 7.0243533 ± 0.0908802 |
| 18D25661 | 2.5 % | 0.0244247 ± 0.0002701 | 0.0250920 ± 0.0193227 | 0.0601967 ± 0.0172200 | 0.0024664 ± 0.0151770 | 6.9389934 ± 0.0908802 |
| 18D25662 | 2.7 % | 0.0242934 ± 0.0002701 | 0.0247777 ± 0.0193227 | 0.0593437 ± 0.0172200 | 0.0018511 ± 0.0151770 | 6.8846153 ± 0.0908802 |
| 18D25663 | 3.0 % | 0.0241470 ± 0.0002701 | 0.0246530 ± 0.0193227 | 0.0581740 ± 0.0172200 | 0.0062253 ± 0.0151770 | 6.8261912 ± 0.0908802 |
| 18D25665 | 3.4 % | 0.0238332 ± 0.0002701 | 0.0249902 ± 0.0193227 | 0.0551561 ± 0.0172200 | 0.0145332 ± 0.0151770 | 6.7069955 ± 0.0908802 |
| 18D25666 | 3.8 % | 0.0236766 ± 0.0002701 | 0.0254530 ± 0.0193227 | 0.0534316 ± 0.0172200 | 0.0182035 ± 0.0151770 | 6.6505074 ± 0.0908802 |
| 18D25667 | 4.2 % | 0.0235263 ± 0.0002701 | 0.0261076 ± 0.0193227 | 0.0516379 ± 0.0172200 | 0.0214038 ± 0.0151770 | 6.5985404 ± 0.0908802 |
| 18D25669 | 4.6 % | 0.0232510 ± 0.0002701 | 0.0280434 ± 0.0193227 | 0.0479025 ± 0.0172200 | 0.0261786 ± 0.0151770 | 6.5114122 ± 0.0908802 |
| 18D25670 | 5.2 % | 0.0231425 ± 0.0002701 | 0.0292275 ± 0.0193227 | 0.0461880 ± 0.0172200 | 0.0274427 ± 0.0151770 | 6.4818898 ± 0.0908802 |
| 18D25671 | 5.8 % | 0.0230529 ± 0.0002701 | 0.0305532 ± 0.0193227 | 0.0445777 ± 0.0172200 | 0.0279763 ± 0.0151770 | 6.4615913 ± 0.0908802 |
| 18D25673 | 6.5 % | 0.0229357 ± 0.0002701 | 0.0335454 ± 0.0193227 | 0.0417861 ± 0.0172200 | 0.0267836 ± 0.0151770 | 6.4505512 ± 0.0908802 |
| 18D25674 | 7.2 % | 0.0229097 ± 0.0002701 | 0.0351618 ± 0.0193227 | 0.0406513 ± 0.0172200 | 0.0250651 ± 0.0151770 | 6.4601402 ± 0.0908802 |
| 18D25675 | 8.0 % | 0.0229053 ± 0.0002701 | 0.0368198 ± 0.0193227 | 0.0397134 ± 0.0172200 | 0.0226318 ± 0.0151770 | 6.4796146 ± 0.0908802 |
| 18D25677 | 8.9 % | 0.0229618 ± 0.0002701 | 0.0402496 ± 0.0193227 | 0.0384376 ± 0.0172200 | 0.0155125 ± 0.0151770 | 6.5494236 ± 0.0908802 |
| 18D25678 | 9.7 % | 0.0230171 ± 0.0002701 | 0.0418153 ± 0.0193227 | 0.0381551 ± 0.0172200 | 0.0112403 ± 0.0151770 | 6.5954523 ± 0.0908802 |
| 18D25679 | 10.6 % | 0.0230876 ± 0.0002701 | 0.0432686 ± 0.0193227 | 0.0380850 ± 0.0172200 | 0.0065455 ± 0.0151770 | 6.6480119 ± 0.0908802 |
| 18D25681 | 11.6 % | 0.0232610 ± 0.0002701 | 0.0456513 ± 0.0193227 | 0.0385447 ± 0.0172200 | 0.0036373 ± 0.0151770 | 6.7667027 ± 0.0908802 |
| 18D25682 | 12.5 % | 0.0233561 ± 0.0002701 | 0.0464797 ± 0.0193227 | 0.0390433 ± 0.0172200 | 0.0088464 ± 0.0151770 | 6.8292121 ± 0.0908802 |
| 18D25683 | 13.4 % | 0.0234506 ± 0.0002701 | 0.0469934 ± 0.0193227 | 0.0396926 ± 0.0172200 | 0.0139199 ± 0.0151770 | 6.8910081 ± 0.0908802 |
| 18D25685 | 14.6 % | 0.0236206 ± 0.0002701 | 0.0467972 ± 0.0193227 | 0.0413974 ± 0.0172200 | 0.0232162 ± 0.0151770 | 7.0062684 ± 0.0908802 |
| 18D25686 | 15.8 % | 0.0236769 ± 0.0002701 | 0.0459622 ± 0.0193227 | 0.0423169 ± 0.0172200 | 0.0266613 ± 0.0151770 | 7.0496114 ± 0.0908802 |
| 18D25687 | 16.8 % | 0.0237069 ± 0.0002701 | 0.0445544 ± 0.0193227 | 0.0432451 ± 0.0172200 | 0.0291256 ± 0.0151770 | 7.0808290 ± 0.0908802 |
| 18D25689 | 17.8 % | 0.0236569 ± 0.0002701 | 0.0397317 ± 0.0193227 | 0.0449344 ± 0.0172200 | 0.0300951 ± 0.0151770 | 7.0929619 ± 0.0908802 |
| 18D25690 | 18.9 % | 0.0235597 ± 0.0002701 | 0.0361646 ± 0.0193227 | 0.0455872 ± 0.0172200 | 0.0280501 ± 0.0151770 | 7.0663025 ± 0.0908802 |
| 18D25691 | 19.8 % | 0.0234019 ± 0.0002701 | 0.0317203 ± 0.0193227 | 0.0460319 ± 0.0172200 | 0.0239238 ± 0.0151770 | 7.0123681 ± 0.0908802 |
| 18D25693 | 20.8 % | 0.0228363 ± 0.0002701 | 0.0193187 ± 0.0193227 | 0.0459978 ± 0.0172200 | 0.0073069 ± 0.0151770 | 6.7938116 ± 0.0908802 |
| 18D25694 | 21.9 % | 0.0224265 ± 0.0002701 | 0.0116348 ± 0.0193227 | 0.0453666 ± 0.0172200 | 0.0052853 ± 0.0151770 | 6.6272997 ± 0.0908802 |
| 18D25696 | 22.5 % | 0.0212793 ± 0.0002701 | 0.0075481 ± 0.0193227 | 0.0424952 ± 0.0172200 | 0.0412934 ± 0.0151770 | 6.1486453 ± 0.0908802 |

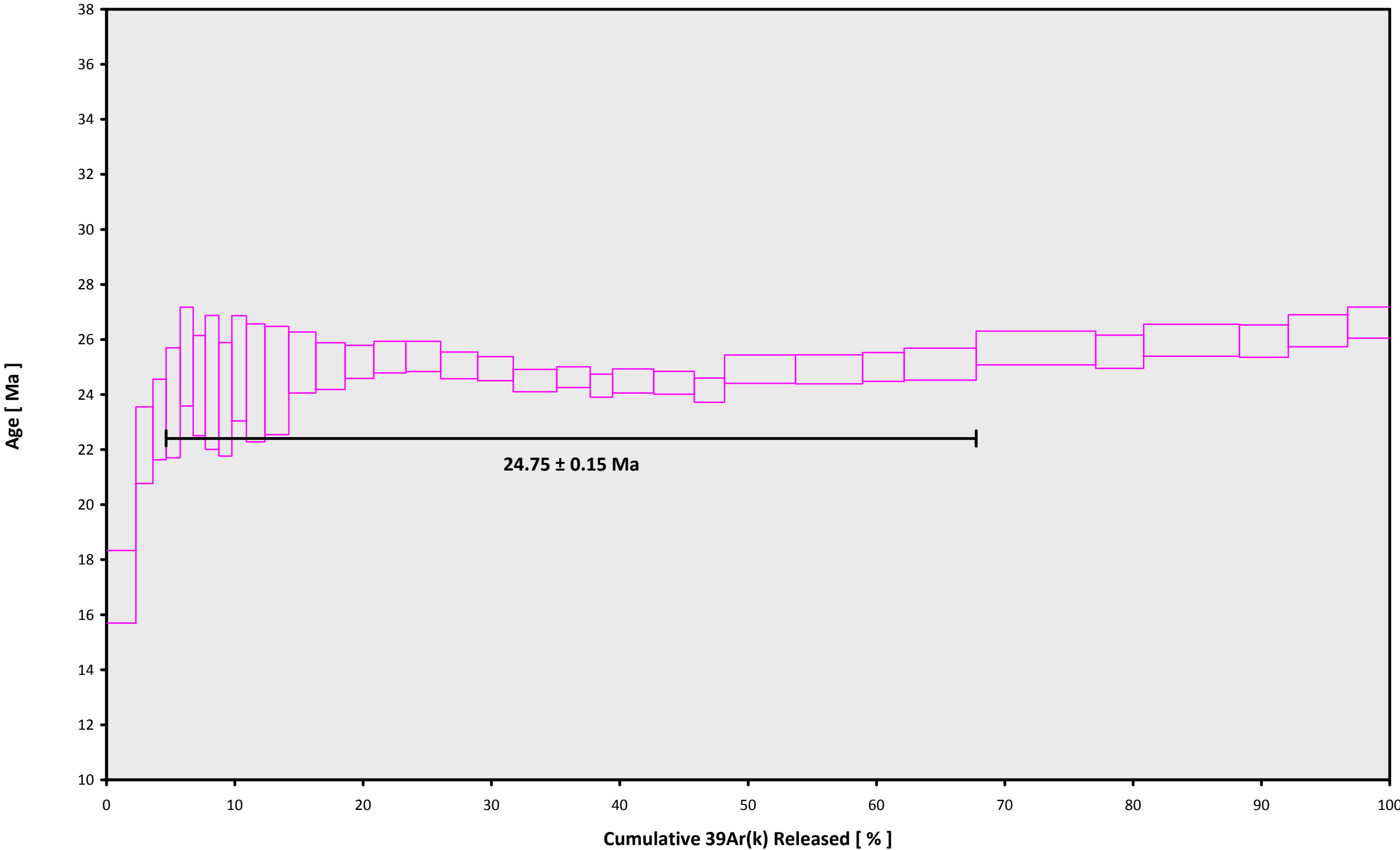
| Intercept Values | | 36Ar ± 1σ (SE) [fA] | r2 | Regression (type,n) | 37Ar ± 1σ (SE) [fA] | r2 | Regression (type,n) | 38Ar ± 1σ (SE) [fA] | r2 | Regression (type,n) | 39Ar ± 1σ (SE) [fA] | r2 | Regression (type,n) | 40Ar ± 1σ (SE) [fA] | r2 | Regression (type,n) |
|---------------------|--------|------------------------|--------|------------------------|------------------------|--------|------------------------|------------------------|--------|------------------------|------------------------|--------|------------------------|------------------------|--------|------------------------|
| 18D25651 | 1.8 % | 0.9138611 ± 0.0015660 | 0.9327 | EXP 150 of 150 | 2.3093972 ± 0.0217249 | 0.3530 | EXP 150 of 150 | 0.2714083 ± 0.0153972 | 0.0327 | EXP 148 of 150 | 8.081787 ± 0.016549 | 0.8535 | EXP 150 of 150 | 337.63498 ± 0.05295 | 0.9871 | EXP 150 of 150 |
| 18D25653 | 1.9 % | 0.5572532 ± 0.0011375 | 0.8909 | EXP 149 of 150 | 1.5906980 ± 0.0191877 | 0.2048 | EXP 150 of 150 | 0.1203930 ± 0.0156374 | 0.0001 | EXP 149 of 150 | 4.720198 ± 0.015325 | 0.5852 | EXP 148 of 150 | 212.69652 ± 0.10931 | 0.0251 | EXP 150 of 150 |
| 18D25654 | 2.0 % | 0.4437832 ± 0.0009704 | 0.8372 | EXP 150 of 150 | 1.2299909 ± 0.0171782 | 0.1047 | EXP 150 of 150 | 0.0837889 ± 0.0171229 | 0.0029 | EXP 149 of 150 | 3.611880 ± 0.015989 | 0.3375 | EXP 149 of 150 | 169.25605 ± 0.08958 | 0.8146 | EXP 149 of 150 |
| 18D25655 | 2.1 % | 0.6697835 ± 0.0010393 | 0.9396 | EXP 149 of 150 | 1.3540518 ± 0.0168748 | 0.2449 | EXP 149 of 150 | 0.1584776 ± 0.0154137 | 0.0270 | EXP 149 of 150 | 3.880350 ± 0.014061 | 0.4963 | EXP 147 of 150 | 244.42378 ± 0.06702 | 0.9048 | EXP 150 of 150 |
| 18D25657 | 2.2 % | 0.5484144 ± 0.0012362 | 0.8533 | EXP 150 of 150 | 1.3331675 ± 0.0190153 | 0.2402 | EXP 150 of 150 | 0.0951038 ± 0.0155658 | 0.0002 | EXP 150 of 150 | 3.645105 ± 0.015948 | 0.2958 | EXP 150 of 150 | 205.83687 ± 0.06218 | 0.8216 | EXP 150 of 150 |
| 18D25658 | 2.3 % | 0.5046132 ± 0.0011318 | 0.8694 | EXP 150 of 150 | 1.1718217 ± 0.0210431 | 0.1400 | EXP 150 of 150 | 0.1182112 ± 0.0159728 | 0.0057 | EXP 150 of 150 | 3.314059 ± 0.016889 | 0.2715 | EXP 150 of 150 | 187.77918 ± 0.06356 | 0.5813 | EXP 150 of 150 |
| 18D25659 | 2.4 % | 0.7830920 ± 0.0014419 | 0.9219 | EXP 150 of 150 | 1.2786895 ± 0.0177301 | 0.1812 | EXP 149 of 150 | 0.1839845 ± 0.0178430 | 0.0164 | EXP 150 of 150 | 3.776777 ± 0.016618 | 0.4083 | EXP 150 of 150 | 280.92270 ± 0.03265 | 0.9962 | EXP 148 of 150 |
| 18D25661 | 2.5 % | 0.6251966 ± 0.0011750 | 0.9209 | EXP 150 of 150 | 1.1819404 ± 0.0186454 | 0.1335 | EXP 150 of 150 | 0.1341140 ± 0.0148874 | 0.0046 | EXP 150 of 150 | 3.546702 ± 0.017653 | 0.3077 | EXP 150 of 150 | 227.79150 ± 0.02766 | 0.9937 | EXP 150 of 150 |
| 18D25662 | 2.7 % | 0.6583510 ± 0.0012461 | 0.9082 | EXP 150 of 150 | 1.3259101 ± 0.0195606 | 0.1417 | EXP 149 of 150 | 0.1206708 ± 0.0165083 | 0.0031 | EXP 150 of 150 | 4.022771 ± 0.016195 | 0.3620 | EXP 148 of 150 | 243.95220 ± 0.03021 | 0.9950 | EXP 149 of 150 |
| 18D25663 | 3.0 % | 0.9363285 ± 0.0015269 | 0.9479 | EXP 150 of 150 | 1.6415743 ± 0.0185491 | 0.2337 | EXP 150 of 150 | 0.2222287 ± 0.0167975 | 0.0065 | EXP 150 of 150 | 5.072934 ± 0.015996 | 0.6442 | EXP 150 of 150 | 340.90087 ± 0.03371 | 0.9985 | EXP 150 of 150 |
| 18D25665 | 3.4 % | 1.1191386 ± 0.0017771 | 0.9519 | EXP 149 of 150 | 2.0148539 ± 0.0192097 | 0.2582 | EXP 150 of 150 | 0.2814124 ± 0.0172996 | 0.0257 | EXP 150 of 150 | 6.599643 ± 0.016388 | 0.8071 | EXP 150 of 150 | 412.53628 ± 0.03382 | 0.9992 | EXP 150 of 150 |
| 18D25666 | 3.8 % | 0.7151566 ± 0.0011367 | 0.9402 | EXP 150 of 150 | 2.1986121 ± 0.0178946 | 0.4643 | EXP 149 of 150 | 0.2053084 ± 0.0147892 | 0.0276 | EXP 148 of 150 | 7.415543 ± 0.015267 | 0.8609 | EXP 150 of 150 | 292.06778 ± 0.03445 | 0.9973 | EXP 150 of 150 |
| 18D25667 | 4.2 % | 0.5833322 ± 0.0011813 | 0.9015 | EXP 150 of 150 | 2.2176508 ± 0.0174979 | 0.3745 | EXP 150 of 150 | 0.1665660 ± 0.0168268 | 0.0013 | EXP 150 of 150 | 7.986280 ± 0.014293 | 0.8933 | EXP 150 of 150 | 254.70265 ± 0.03158 | 0.9960 | EXP 150 of 150 |
| 18D25669 | 4.6 % | 0.3970698 ± 0.0009624 | 0.8449 | EXP 148 of 150 | 2.0414389 ± 0.0178716 | 0.3149 | EXP 150 of 150 | 0.1082891 ± 0.0150291 | 0.0014 | EXP 150 of 150 | 7.906920 ± 0.015763 | 0.8809 | EXP 150 of 150 | 195.14886 ± 0.02931 | 0.9898 | EXP 150 of 150 |
| 18D25670 | 5.2 % | 0.4198830 ± 0.0011104 | 0.8327 | EXP 149 of 150 | 2.1775643 ± 0.0201257 | 0.2641 | EXP 150 of 150 | 0.1433117 ± 0.0173900 | 0.0027 | EXP 149 of 150 | 8.819557 ± 0.016974 | 0.8798 | EXP 150 of 150 | 211.10505 ± 0.03122 | 0.9922 | EXP 143 of 150 |
| 18D25671 | 5.8 % | 0.4425765 ± 0.0010078 | 0.8607 | EXP 150 of 150 | 2.3265518 ± 0.0194614 | 0.3625 | EXP 150 of 150 | 0.1514969 ± 0.0153192 | 0.0032 | EXP 149 of 150 | 9.510455 ± 0.014770 | 0.9326 | EXP 150 of 150 | 224.56495 ± 0.02708 | 0.9956 | EXP 148 of 150 |
| 18D25673 | 6.5 % | 0.4167516 ± 0.0009869 | 0.8461 | EXP 150 of 150 | 2.5298408 ± 0.0176943 | 0.4866 | EXP 149 of 150 | 0.1320245 ± 0.0168901 | 0.0022 | EXP 150 of 150 | 10.170118 ± 0.016282 | 0.9270 | EXP 150 of 150 | 220.86531 ± 0.02737 | 0.9960 | EXP 149 of 150 |
| 18D25674 | 7.2 % | 0.3480584 ± 0.0009890 | 0.7505 | EXP 150 of 150 | 2.5803688 ± 0.0209309 | 0.2541 | EXP 150 of 150 | 0.0943005 ± 0.0207283 | 0.0151 | EXP 150 of 150 | 9.773426 ± 0.017656 | 0.9109 | EXP 150 of 150 | 194.81269 ± 0.02712 | 0.9928 | EXP 150 of 150 |
| 18D25675 | 8.0 % | 0.4187717 ± 0.0008302 | 0.8843 | EXP 147 of 150 | 3.6389890 ± 0.0200144 | 0.5922 | EXP 150 of 150 | 0.1891091 ± 0.0176065 | 0.0205 | EXP 150 of 150 | 11.986973 ± 0.016746 | 0.9453 | EXP 150 of 150 | 233.92452 ± 0.02648 | 0.9972 | EXP 147 of 150 |
| 18D25677 | 8.9 % | 0.2861808 ± 0.0007440 | 0.7957 | EXP 148 of 150 | 2.8749549 ± 0.0195368 | 0.4992 | EXP 149 of 150 | 0.1249745 ± 0.0167891 | 0.0020 | EXP 150 of 150 | 9.175092 ± 0.017005 | 0.9098 | EXP 150 of 150 | 168.16233 ± 0.02583 | 0.9886 | EXP 149 of 150 |
| 18D25678 | 9.7 % | 0.1943160 ± 0.0006232 | 0.5406 | EXP 149 of 150 | 1.5656791 ± 0.0198882 | 0.1252 | EXP 150 of 150 | 0.0490736 ± 0.0165953 | 0.0031 | EXP 147 of 150 | 6.104708 ± 0.016253 | 0.7925 | EXP 150 of 150 | 112.69748 ± 0.02820 | 0.0343 | EXP 150 of 150 |
| 18D25679 | 10.6 % | 0.4215269 ± 0.0010328 | 0.8428 | EXP 149 of 150 | 3.7675266 ± 0.0192286 | 0.6054 | EXP 150 of 150 | 0.1736337 ± 0.0167338 | 0.0016 | EXP 150 of 150 | 11.361309 ± 0.014774 | 0.9517 | EXP 150 of 150 | 228.99706 ± 0.02706 | 0.9972 | EXP 150 of 150 |
| 18D25681 | 11.6 % | 0.3897702 ± 0.0009002 | 0.8534 | EXP 150 of 150 | 2.8856468 ± 0.0177675 | 0.4790 | EXP 149 of 150 | 0.1471890 ± 0.0167908 | 0.0003 | EXP 150 of 150 | 11.158365 ± 0.016081 | 0.9447 | EXP 150 of 150 | 218.01156 ± 0.02994 | 0.9962 | EXP 150 of 150 |
| 18D25682 | 12.5 % | 0.2998025 ± 0.0007860 | 0.8063 | EXP 146 of 150 | 1.7570253 ± 0.0191070 | 0.1332 | EXP 150 of 150 | 0.0692764 ± 0.0173001 | 0.0446 | EXP 150 of 150 | 8.340120 ± 0.016275 | 0.8900 | EXP 150 of 150 | 165.21387 ± 0.02513 | 0.9896 | EXP 148 of 150 |
| 18D25683 | 13.4 % | 0.8810626 ± 0.0014825 | 0.9423 | EXP 150 of 150 | 7.2839630 ± 0.0186879 | 0.8218 | EXP 149 of 150 | 0.3455265 ± 0.0162673 | 0.0004 | EXP 150 of 150 | 19.557235 ± 0.017137 | 0.9803 | EXP 150 of 150 | 446.26423 ± 0.03439 | 0.9995 | EXP 148 of 150 |
| 18D25685 | 14.6 % | 0.8540688 ± 0.0013114 | 0.9539 | EXP 150 of 150 | 6.4395367 ± 0.0190687 | 0.7892 | EXP 150 of 150 | 0.3582372 ± 0.0169713 | 0.0165 | EXP 150 of 150 | 18.511778 ± 0.017463 | 0.9755 | EXP 150 of 150 | 429.35868 ± 0.03672 | 0.9994 | EXP 150 of 150 |
| 18D25686 | 15.8 % | 0.5148618 ± 0.0010713 | 0.9021 | EXP 150 of 150 | 2.9262917 ± 0.0189903 | 0.4539 | EXP 147 of 150 | 0.1983390 ± 0.0162493 | 0.0124 | EXP 148 of 150 | 11.457038 ± 0.016477 | 0.9433 | EXP 150 of 150 | 262.90624 ± 0.02807 | 0.9984 | EXP 150 of 150 |
| 18D25687 | 16.8 % | 1.0052654 ± 0.0014796 | 0.9579 | EXP 150 of 150 | 6.2317925 ± 0.0194361 | 0.8041 | EXP 150 of 150 | 0.3937766 ± 0.0172060 | 0.0173 | EXP 150 of 150 | 19.852679 ± 0.016657 | 0.9807 | EXP 150 of 150 | 491.41342 ± 0.03743 | 0.9995 | EXP 150 of 150 |
| 18D25689 | 17.8 % | 1.7772997 ± 0.0021081 | 0.9738 | EXP 150 of 150 | 10.9523210 ± 0.0192799 | 0.9252 | EXP 150 of 150 | 0.7454356 ± 0.0166651 | 0.1368 | EXP 148 of 150 | 32.977388 ± 0.017246 | 0.9930 | EXP 150 of 150 | 857.35215 ± 0.04028 | 0.9999 | EXP 150 of 150 |
| 18D25690 | 18.9 % | 0.6943889 ± 0.0011654 | 0.9414 | EXP 146 of 150 | 3.7583962 ± 0.0189690 | 0.6142 | EXP 149 of 150 | 0.2392726 ± 0.0169355 | 0.0001 | EXP 150 of 150 | 13.227371 ± 0.015647 | 0.9593 | EXP 149 of 150 | 337.79257 ± 0.02979 | 0.9991 | EXP 149 of 150 |
| 18D25691 | 19.8 % | 1.3485342 ± 0.0017190 | 0.9709 | EXP 149 of 150 | 8.3867378 ± 0.0172708 | 0.8935 | EXP 148 of 150 | 0.5465199 ± 0.0142670 | 0.0252 | EXP 150 of 150 | 26.399058 ± 0.018296 | 0.9872 | EXP 150 of 150 | 665.72150 ± 0.04825 | 0.9996 | EXP 150 of 150 |
| 18D25693 | 20.8 % | 0.6922671 ± 0.0010362 | 0.9515 | EXP 148 of 150 | 4.1344682 ± 0.0212760 | 0.5295 | EXP 150 of 150 | 0.2831789 ± 0.0182232 | 0.0234 | EXP 150 of 150 | 13.447550 ± 0.016916 | 0.9595 | EXP 149 of 150 | 340.64564 ± 0.02986 | 0.9992 | EXP 149 of 150 |
| 18D25694 | 21.9 % | 0.8306342 ± 0.0013585 | 0.9469 | EXP 150 of 150 | 5.2599225 ± 0.0196904 | 0.7064 | EXP 148 of 150 | 0.3059128 ± 0.0177399 | 0.0004 | EXP 150 of 150 | 16.345301 ± 0.015963 | 0.9740 | EXP 150 of 150 | 412.69114 ± 0.03604 | 0.9993 | EXP 150 of 150 |
| 18D25696 | 22.5 % | 0.5603021 ± 0.0011413 | 0.9169 | EXP 150 of 150 | 3.8530251 ± 0.0190753 | 0.5886 | EXP 150 of 150 | 0.2172835 ± 0.0179804 | 0.0009 | EXP 150 of 150 | 11.548100 ± 0.015160 | 0.9497 | EXP 150 of 150 | 284.23980 ± 0.03149 | 0.9986 | EXP 150 of 150 |

| Project Info | | Analyst | Irradiation | X-pos | Y-pos | Z/H-pos | Project | Experiment | Nmb |
|--------------|--------|-------------|-------------|--------|--------|---------|---------------------------|------------|-----|
| 18D25651 | 1.8 % | Dan Miggins | 18-OSU-04 | 999.00 | 999.00 | 36.78 | Oregon\McCloughry (18-09) | 18D25647 | 01 |
| 18D25653 | 1.9 % | Dan Miggins | 18-OSU-04 | 999.00 | 999.00 | 36.78 | Oregon\McCloughry (18-09) | 18D25647 | 01 |
| 18D25654 | 2.0 % | Dan Miggins | 18-OSU-04 | 999.00 | 999.00 | 36.78 | Oregon\McCloughry (18-09) | 18D25647 | 01 |
| 18D25655 | 2.1 % | Dan Miggins | 18-OSU-04 | 999.00 | 999.00 | 36.78 | Oregon\McCloughry (18-09) | 18D25647 | 01 |
| 18D25657 | 2.2 % | Dan Miggins | 18-OSU-04 | 999.00 | 999.00 | 36.78 | Oregon\McCloughry (18-09) | 18D25647 | 01 |
| 18D25658 | 2.3 % | Dan Miggins | 18-OSU-04 | 999.00 | 999.00 | 36.78 | Oregon\McCloughry (18-09) | 18D25647 | 01 |
| 18D25659 | 2.4 % | Dan Miggins | 18-OSU-04 | 999.00 | 999.00 | 36.78 | Oregon\McCloughry (18-09) | 18D25647 | 01 |
| 18D25661 | 2.5 % | Dan Miggins | 18-OSU-04 | 999.00 | 999.00 | 36.78 | Oregon\McCloughry (18-09) | 18D25647 | 01 |
| 18D25662 | 2.7 % | Dan Miggins | 18-OSU-04 | 999.00 | 999.00 | 36.78 | Oregon\McCloughry (18-09) | 18D25647 | 01 |
| 18D25663 | 3.0 % | Dan Miggins | 18-OSU-04 | 999.00 | 999.00 | 36.78 | Oregon\McCloughry (18-09) | 18D25647 | 01 |
| 18D25665 | 3.4 % | Dan Miggins | 18-OSU-04 | 999.00 | 999.00 | 36.78 | Oregon\McCloughry (18-09) | 18D25647 | 01 |
| 18D25666 | 3.8 % | Dan Miggins | 18-OSU-04 | 999.00 | 999.00 | 36.78 | Oregon\McCloughry (18-09) | 18D25647 | 01 |
| 18D25667 | 4.2 % | Dan Miggins | 18-OSU-04 | 999.00 | 999.00 | 36.78 | Oregon\McCloughry (18-09) | 18D25647 | 01 |
| 18D25669 | 4.6 % | Dan Miggins | 18-OSU-04 | 999.00 | 999.00 | 36.78 | Oregon\McCloughry (18-09) | 18D25647 | 01 |
| 18D25670 | 5.2 % | Dan Miggins | 18-OSU-04 | 999.00 | 999.00 | 36.78 | Oregon\McCloughry (18-09) | 18D25647 | 01 |
| 18D25671 | 5.8 % | Dan Miggins | 18-OSU-04 | 999.00 | 999.00 | 36.78 | Oregon\McCloughry (18-09) | 18D25647 | 01 |
| 18D25673 | 6.5 % | Dan Miggins | 18-OSU-04 | 999.00 | 999.00 | 36.78 | Oregon\McCloughry (18-09) | 18D25647 | 01 |
| 18D25674 | 7.2 % | Dan Miggins | 18-OSU-04 | 999.00 | 999.00 | 36.78 | Oregon\McCloughry (18-09) | 18D25647 | 01 |
| 18D25675 | 8.0 % | Dan Miggins | 18-OSU-04 | 999.00 | 999.00 | 36.78 | Oregon\McCloughry (18-09) | 18D25647 | 01 |
| 18D25677 | 8.9 % | Dan Miggins | 18-OSU-04 | 999.00 | 999.00 | 36.78 | Oregon\McCloughry (18-09) | 18D25647 | 01 |
| 18D25678 | 9.7 % | Dan Miggins | 18-OSU-04 | 999.00 | 999.00 | 36.78 | Oregon\McCloughry (18-09) | 18D25647 | 01 |
| 18D25679 | 10.6 % | Dan Miggins | 18-OSU-04 | 999.00 | 999.00 | 36.78 | Oregon\McCloughry (18-09) | 18D25647 | 01 |
| 18D25681 | 11.6 % | Dan Miggins | 18-OSU-04 | 999.00 | 999.00 | 36.78 | Oregon\McCloughry (18-09) | 18D25647 | 01 |
| 18D25682 | 12.5 % | Dan Miggins | 18-OSU-04 | 999.00 | 999.00 | 36.78 | Oregon\McCloughry (18-09) | 18D25647 | 01 |
| 18D25683 | 13.4 % | Dan Miggins | 18-OSU-04 | 999.00 | 999.00 | 36.78 | Oregon\McCloughry (18-09) | 18D25647 | 01 |
| 18D25685 | 14.6 % | Dan Miggins | 18-OSU-04 | 999.00 | 999.00 | 36.78 | Oregon\McCloughry (18-09) | 18D25647 | 01 |
| 18D25686 | 15.8 % | Dan Miggins | 18-OSU-04 | 999.00 | 999.00 | 36.78 | Oregon\McCloughry (18-09) | 18D25647 | 01 |
| 18D25687 | 16.8 % | Dan Miggins | 18-OSU-04 | 999.00 | 999.00 | 36.78 | Oregon\McCloughry (18-09) | 18D25647 | 01 |
| 18D25689 | 17.8 % | Dan Miggins | 18-OSU-04 | 999.00 | 999.00 | 36.78 | Oregon\McCloughry (18-09) | 18D25647 | 01 |
| 18D25690 | 18.9 % | Dan Miggins | 18-OSU-04 | 999.00 | 999.00 | 36.78 | Oregon\McCloughry (18-09) | 18D25647 | 01 |
| 18D25691 | 19.8 % | Dan Miggins | 18-OSU-04 | 999.00 | 999.00 | 36.78 | Oregon\McCloughry (18-09) | 18D25647 | 01 |
| 18D25693 | 20.8 % | Dan Miggins | 18-OSU-04 | 999.00 | 999.00 | 36.78 | Oregon\McCloughry (18-09) | 18D25647 | 01 |
| 18D25694 | 21.9 % | Dan Miggins | 18-OSU-04 | 999.00 | 999.00 | 36.78 | Oregon\McCloughry (18-09) | 18D25647 | 01 |
| 18D25696 | 22.5 % | Dan Miggins | 18-OSU-04 | 999.00 | 999.00 | 36.78 | Oregon\McCloughry (18-09) | 18D25647 | 01 |

| Sample Parameters | | Sample | Material | Location | Standard Name | Standard (in Ma) | %1σ | Standard Reference | Standard 40Ar/39Ar | %1σ | J | %1σ | Air 40Ar/36Ar | %1σ | MDF (lin) | %1σ | Volume Ratio | Sensitivity (mol/volt) | Day | Month | Year | Hour | Min | Resist |
|-------------------|--------|------------|------------|---------------|------------------|------------------|-------|---------------------|--------------------|-------|------------|-------|---------------|-------|------------|-------|--------------|------------------------|-----|-------|------|------|-----|--------|
| 18D25651 | 1.8 % | HBH-295-17 | Groundmass | Soldier Creek | FCT-NM (4C23-18) | 28.201 | 0.082 | Kuiper et al (2008) | 10.0812 | 0.074 | 0.00155908 | 0.074 | 305.765 | 0.101 | 0.99159627 | 0.063 | 1 | 4.8E-14 | 23 | OCT | 2018 | 1 | 26 | 1 |
| 18D25653 | 1.9 % | HBH-295-17 | Groundmass | Soldier Creek | FCT-NM (4C23-18) | 28.201 | 0.082 | Kuiper et al (2008) | 10.0812 | 0.074 | 0.00155908 | 0.074 | 305.765 | 0.101 | 0.99159627 | 0.063 | 1 | 4.8E-14 | 23 | OCT | 2018 | 1 | 52 | 1 |
| 18D25654 | 2.0 % | HBH-295-17 | Groundmass | Soldier Creek | FCT-NM (4C23-18) | 28.201 | 0.082 | Kuiper et al (2008) | 10.0812 | 0.074 | 0.00155908 | 0.074 | 305.765 | 0.101 | 0.99159627 | 0.063 | 1 | 4.8E-14 | 23 | OCT | 2018 | 2 | 5 | 1 |
| 18D25655 | 2.1 % | HBH-295-17 | Groundmass | Soldier Creek | FCT-NM (4C23-18) | 28.201 | 0.082 | Kuiper et al (2008) | 10.0812 | 0.074 | 0.00155908 | 0.074 | 305.765 | 0.101 | 0.99159627 | 0.063 | 1 | 4.8E-14 | 23 | OCT | 2018 | 2 | 18 | 1 |
| 18D25657 | 2.2 % | HBH-295-17 | Groundmass | Soldier Creek | FCT-NM (4C23-18) | 28.201 | 0.082 | Kuiper et al (2008) | 10.0812 | 0.074 | 0.00155908 | 0.074 | 305.765 | 0.101 | 0.99159627 | 0.063 | 1 | 4.8E-14 | 23 | OCT | 2018 | 2 | 44 | 1 |
| 18D25658 | 2.3 % | HBH-295-17 | Groundmass | Soldier Creek | FCT-NM (4C23-18) | 28.201 | 0.082 | Kuiper et al (2008) | 10.0812 | 0.074 | 0.00155908 | 0.074 | 305.765 | 0.101 | 0.99159627 | 0.063 | 1 | 4.8E-14 | 23 | OCT | 2018 | 2 | 57 | 1 |
| 18D25659 | 2.4 % | HBH-295-17 | Groundmass | Soldier Creek | FCT-NM (4C23-18) | 28.201 | 0.082 | Kuiper et al (2008) | 10.0812 | 0.074 | 0.00155908 | 0.074 | 305.765 | 0.101 | 0.99159627 | 0.063 | 1 | 4.8E-14 | 23 | OCT | 2018 | 3 | 11 | 1 |
| 18D25661 | 2.5 % | HBH-295-17 | Groundmass | Soldier Creek | FCT-NM (4C23-18) | 28.201 | 0.082 | Kuiper et al (2008) | 10.0812 | 0.074 | 0.00155908 | 0.074 | 305.765 | 0.101 | 0.99159627 | 0.063 | 1 | 4.8E-14 | 23 | OCT | 2018 | 3 | 37 | 1 |
| 18D25662 | 2.7 % | HBH-295-17 | Groundmass | Soldier Creek | FCT-NM (4C23-18) | 28.201 | 0.082 | Kuiper et al (2008) | 10.0812 | 0.074 | 0.00155908 | 0.074 | 305.765 | 0.101 | 0.99159627 | 0.063 | 1 | 4.8E-14 | 23 | OCT | 2018 | 3 | 50 | 1 |
| 18D25663 | 3.0 % | HBH-295-17 | Groundmass | Soldier Creek | FCT-NM (4C23-18) | 28.201 | 0.082 | Kuiper et al (2008) | 10.0812 | 0.074 | 0.00155908 | 0.074 | 305.765 | 0.101 | 0.99159627 | 0.063 | 1 | 4.8E-14 | 23 | OCT | 2018 | 4 | 3 | 1 |
| 18D25665 | 3.4 % | HBH-295-17 | Groundmass | Soldier Creek | FCT-NM (4C23-18) | 28.201 | 0.082 | Kuiper et al (2008) | 10.0812 | 0.074 | 0.00155908 | 0.074 | 305.765 | 0.101 | 0.99159627 | 0.063 | 1 | 4.8E-14 | 23 | OCT | 2018 | 4 | 29 | 1 |
| 18D25666 | 3.8 % | HBH-295-17 | Groundmass | Soldier Creek | FCT-NM (4C23-18) | 28.201 | 0.082 | Kuiper et al (2008) | 10.0812 | 0.074 | 0.00155908 | 0.074 | 305.765 | 0.101 | 0.99159627 | 0.063 | 1 | 4.8E-14 | 23 | OCT | 2018 | 4 | 42 | 1 |
| 18D25667 | 4.2 % | HBH-295-17 | Groundmass | Soldier Creek | FCT-NM (4C23-18) | 28.201 | 0.082 | Kuiper et al (2008) | 10.0812 | 0.074 | 0.00155908 | 0.074 | 305.765 | 0.101 | 0.99159627 | 0.063 | 1 | 4.8E-14 | 23 | OCT | 2018 | 4 | 55 | 1 |
| 18D25669 | 4.6 % | HBH-295-17 | Groundmass | Soldier Creek | FCT-NM (4C23-18) | 28.201 | 0.082 | Kuiper et al (2008) | 10.0812 | 0.074 | 0.00155908 | 0.074 | 305.765 | 0.101 | 0.99159627 | 0.063 | 1 | 4.8E-14 | 23 | OCT | 2018 | 5 | 22 | 1 |
| 18D25670 | 5.2 % | HBH-295-17 | Groundmass | Soldier Creek | FCT-NM (4C23-18) | 28.201 | 0.082 | Kuiper et al (2008) | 10.0812 | 0.074 | 0.00155908 | 0.074 | 305.765 | 0.101 | 0.99159627 | 0.063 | 1 | 4.8E-14 | 23 | OCT | 2018 | 5 | 35 | 1 |
| 18D25671 | 5.8 % | HBH-295-17 | Groundmass | Soldier Creek | FCT-NM (4C23-18) | 28.201 | 0.082 | Kuiper et al (2008) | 10.0812 | 0.074 | 0.00155908 | 0.074 | 305.765 | 0.101 | 0.99159627 | 0.063 | 1 | 4.8E-14 | 23 | OCT | 2018 | 5 | 48 | 1 |
| 18D25673 | 6.5 % | HBH-295-17 | Groundmass | Soldier Creek | FCT-NM (4C23-18) | 28.201 | 0.082 | Kuiper et al (2008) | 10.0812 | 0.074 | 0.00155908 | 0.074 | 305.765 | 0.101 | 0.99159627 | 0.063 | 1 | 4.8E-14 | 23 | OCT | 2018 | 6 | 14 | 1 |
| 18D25674 | 7.2 % | HBH-295-17 | Groundmass | Soldier Creek | FCT-NM (4C23-18) | 28.201 | 0.082 | Kuiper et al (2008) | 10.0812 | 0.074 | 0.00155908 | 0.074 | 305.765 | 0.101 | 0.99159627 | 0.063 | 1 | 4.8E-14 | 23 | OCT | 2018 | 6 | 27 | 1 |
| 18D25675 | 8.0 % | HBH-295-17 | Groundmass | Soldier Creek | FCT-NM (4C23-18) | 28.201 | 0.082 | Kuiper et al (2008) | 10.0812 | 0.074 | 0.00155908 | 0.074 | 305.765 | 0.101 | 0.99159627 | 0.063 | 1 | 4.8E-14 | 23 | OCT | 2018 | 6 | 40 | 1 |
| 18D25677 | 8.9 % | HBH-295-17 | Groundmass | Soldier Creek | FCT-NM (4C23-18) | 28.201 | 0.082 | Kuiper et al (2008) | 10.0812 | 0.074 | 0.00155908 | 0.074 | 305.765 | 0.101 | 0.99159627 | 0.063 | 1 | 4.8E-14 | 23 | OCT | 2018 | 7 | 7 | 1 |
| 18D25678 | 9.7 % | HBH-295-17 | Groundmass | Soldier Creek | FCT-NM (4C23-18) | 28.201 | 0.082 | Kuiper et al (2008) | 10.0812 | 0.074 | 0.00155908 | 0.074 | 305.765 | 0.101 | 0.99159627 | 0.063 | 1 | 4.8E-14 | 23 | OCT | 2018 | 7 | 20 | 1 |
| 18D25679 | 10.6 % | HBH-295-17 | Groundmass | Soldier Creek | FCT-NM (4C23-18) | 28.201 | 0.082 | Kuiper et al (2008) | 10.0812 | 0.074 | 0.00155908 | 0.074 | 305.765 | 0.101 | 0.99159627 | 0.063 | 1 | 4.8E-14 | 23 | OCT | 2018 | 7 | 33 | 1 |
| 18D25681 | 11.6 % | HBH-295-17 | Groundmass | Soldier Creek | FCT-NM (4C23-18) | 28.201 | 0.082 | Kuiper et al (2008) | 10.0812 | 0.074 | 0.00155908 | 0.074 | 305.765 | 0.101 | 0.99159627 | 0.063 | 1 | 4.8E-14 | 23 | OCT | 2018 | 7 | 59 | 1 |
| 18D25682 | 12.5 % | HBH-295-17 | Groundmass | Soldier Creek | FCT-NM (4C23-18) | 28.201 | 0.082 | Kuiper et al (2008) | 10.0812 | 0.074 | 0.00155908 | 0.074 | 305.765 | 0.101 | 0.99159627 | 0.063 | 1 | 4.8E-14 | 23 | OCT | 2018 | 8 | 12 | 1 |
| 18D25683 | 13.4 % | HBH-295-17 | Groundmass | Soldier Creek | FCT-NM (4C23-18) | 28.201 | 0.082 | Kuiper et al (2008) | 10.0812 | 0.074 | 0.00155908 | 0.074 | 305.765 | 0.101 | 0.99159627 | 0.063 | 1 | 4.8E-14 | 23 | OCT | 2018 | 8 | 25 | 1 |
| 18D25685 | 14.6 % | HBH-295-17 | Groundmass | Soldier Creek | FCT-NM (4C23-18) | 28.201 | 0.082 | Kuiper et al (2008) | 10.0812 | 0.074 | 0.00155908 | 0.074 | 305.765 | 0.101 | 0.99159627 | 0.063 | 1 | 4.8E-14 | 23 | OCT | 2018 | 8 | 52 | 1 |
| 18D25686 | 15.8 % | HBH-295-17 | Groundmass | Soldier Creek | FCT-NM (4C23-18) | 28.201 | 0.082 | Kuiper et al (2008) | 10.0812 | 0.074 | 0.00155908 | 0.074 | 305.765 | 0.101 | 0.99159627 | 0.063 | 1 | 4.8E-14 | 23 | OCT | 2018 | 9 | 5 | 1 |
| 18D25687 | 16.8 % | HBH-295-17 | Groundmass | Soldier Creek | FCT-NM (4C23-18) | 28.201 | 0.082 | Kuiper et al (2008) | 10.0812 | 0.074 | 0.00155908 | 0.074 | 305.765 | 0.101 | 0.99159627 | 0.063 | 1 | 4.8E-14 | 23 | OCT | 2018 | 9 | 18 | 1 |
| 18D25689 | 17.8 % | HBH-295-17 | Groundmass | Soldier Creek | FCT-NM (4C23-18) | 28.201 | 0.082 | Kuiper et al (2008) | 10.0812 | 0.074 | 0.00155908 | 0.074 | 305.765 | 0.101 | 0.99159627 | 0.063 | 1 | 4.8E-14 | 23 | OCT | 2018 | 9 | 44 | 1 |
| 18D25690 | 18.9 % | HBH-295-17 | Groundmass | Soldier Creek | FCT-NM (4C23-18) | 28.201 | 0.082 | Kuiper et al (2008) | 10.0812 | 0.074 | 0.00155908 | 0.074 | 305.765 | 0.101 | 0.99159627 | 0.063 | 1 | 4.8E-14 | 23 | OCT | 2018 | 9 | 57 | 1 |
| 18D25691 | 19.8 % | HBH-295-17 | Groundmass | Soldier Creek | FCT-NM (4C23-18) | 28.201 | 0.082 | Kuiper et al (2008) | 10.0812 | 0.074 | 0.00155908 | 0.074 | 305.765 | 0.101 | 0.99159627 | 0.063 | 1 | 4.8E-14 | 23 | OCT | 2018 | 10 | 10 | 1 |
| 18D25693 | 20.8 % | HBH-295-17 | Groundmass | Soldier Creek | FCT-NM (4C23-18) | 28.201 | 0.082 | Kuiper et al (2008) | 10.0812 | 0.074 | 0.00155908 | 0.074 | 305.765 | 0.101 | 0.99159627 | 0.063 | 1 | 4.8E-14 | 23 | OCT | 2018 | 10 | 37 | 1 |
| 18D25694 | 21.9 % | HBH-295-17 | Groundmass | Soldier Creek | FCT-NM (4C23-18) | 28.201 | 0.082 | Kuiper et al (2008) | 10.0812 | 0.074 | 0.00155908 | 0.074 | 305.765 | 0.101 | 0.99159627 | 0.063 | 1 | 4.8E-14 | 23 | OCT | 2018 | 10 | 50 | 1 |
| 18D25696 | 22.5 % | HBH-295-17 | Groundmass | Soldier Creek | FCT-NM (4C23-18) | 28.201 | 0.082 | Kuiper et al (2008) | 10.0812 | 0.074 | 0.00155908 | 0.074 | 305.765 | 0.101 | 0.99159627 | 0.063 | 1 | 4.8E-14 | 23 | OCT | 2018 | 11 | 16 | 1 |

| Irradiation Constants | | Table 1: Irradiation Constants for 18D25651 to 18D25696 | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|--------|---|-------|----------|-----|----------|-----|----------|-----|-----------|------|-----------|------|-----------|------|----------|------|----------|------|-----------|-----|------|-----|------|-----|-------|-----|
| | | 40/36(a) | %1σ | 40/36(c) | %1σ | 38/36(a) | %1σ | 38/36(c) | %1σ | 39/37(ca) | %1σ | 38/37(ca) | %1σ | 36/37(ca) | %1σ | 40/39(k) | %1σ | 38/39(k) | %1σ | 36/38(cl) | %1σ | K/Ca | %1σ | K/Cl | %1σ | Ca/Cl | %1σ |
| 18D25651 | 1.8 % | 300.23 | 0.599 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006425 | 0.92 | 0.00018 | 9.63 | 0.0002703 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 18D25653 | 1.9 % | 300.23 | 0.599 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006425 | 0.92 | 0.00018 | 9.63 | 0.0002703 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 18D25654 | 2.0 % | 300.23 | 0.599 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006425 | 0.92 | 0.00018 | 9.63 | 0.0002703 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 18D25655 | 2.1 % | 300.23 | 0.599 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006425 | 0.92 | 0.00018 | 9.63 | 0.0002703 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 18D25657 | 2.2 % | 300.23 | 0.599 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006425 | 0.92 | 0.00018 | 9.63 | 0.0002703 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 18D25658 | 2.3 % | 300.23 | 0.599 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006425 | 0.92 | 0.00018 | 9.63 | 0.0002703 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 18D25659 | 2.4 % | 300.23 | 0.599 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006425 | 0.92 | 0.00018 | 9.63 | 0.0002703 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 18D25661 | 2.5 % | 300.23 | 0.599 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006425 | 0.92 | 0.00018 | 9.63 | 0.0002703 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 18D25662 | 2.7 % | 300.23 | 0.599 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006425 | 0.92 | 0.00018 | 9.63 | 0.0002703 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 18D25663 | 3.0 % | 300.23 | 0.599 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006425 | 0.92 | 0.00018 | 9.63 | 0.0002703 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 18D25665 | 3.4 % | 300.23 | 0.599 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006425 | 0.92 | 0.00018 | 9.63 | 0.0002703 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 18D25666 | 3.8 % | 300.23 | 0.599 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006425 | 0.92 | 0.00018 | 9.63 | 0.0002703 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 18D25667 | 4.2 % | 300.23 | 0.599 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006425 | 0.92 | 0.00018 | 9.63 | 0.0002703 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 18D25669 | 4.6 % | 300.23 | 0.599 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006425 | 0.92 | 0.00018 | 9.63 | 0.0002703 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 18D25670 | 5.2 % | 300.23 | 0.599 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006425 | 0.92 | 0.00018 | 9.63 | 0.0002703 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 18D25671 | 5.8 % | 300.23 | 0.599 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006425 | 0.92 | 0.00018 | 9.63 | 0.0002703 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 18D25673 | 6.5 % | 300.23 | 0.599 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006425 | 0.92 | 0.00018 | 9.63 | 0.0002703 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 18D25674 | 7.2 % | 300.23 | 0.599 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006425 | 0.92 | 0.00018 | 9.63 | 0.0002703 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 18D25675 | 8.0 % | 300.23 | 0.599 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006425 | 0.92 | 0.00018 | 9.63 | 0.0002703 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 18D25677 | 8.9 % | 300.23 | 0.599 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006425 | 0.92 | 0.00018 | 9.63 | 0.0002703 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 18D25678 | 9.7 % | 300.23 | 0.599 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006425 | 0.92 | 0.00018 | 9.63 | 0.0002703 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 18D25679 | 10.6 % | 300.23 | 0.599 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006425 | 0.92 | 0.00018 | 9.63 | 0.0002703 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 18D25681 | 11.6 % | 300.23 | 0.599 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006425 | 0.92 | 0.00018 | 9.63 | 0.0002703 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 18D25682 | 12.5 % | 300.23 | 0.599 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006425 | 0.92 | 0.00018 | 9.63 | 0.0002703 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 18D25683 | 13.4 % | 300.23 | 0.599 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006425 | 0.92 | 0.00018 | 9.63 | 0.0002703 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 18D25685 | 14.6 % | 300.23 | 0.599 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006425 | 0.92 | 0.00018 | 9.63 | 0.0002703 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 18D25686 | 15.8 % | 300.23 | 0.599 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006425 | 0.92 | 0.00018 | 9.63 | 0.0002703 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 18D25687 | 16.8 % | 300.23 | 0.599 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006425 | 0.92 | 0.00018 | 9.63 | 0.0002703 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 18D25689 | 17.8 % | 300.23 | 0.599 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006425 | 0.92 | 0.00018 | 9.63 | 0.0002703 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 18D25690 | 18.9 % | 300.23 | 0.599 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006425 | 0.92 | 0.00018 | 9.63 | 0.0002703 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 18D25691 | 19.8 % | 300.23 | 0.599 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006425 | 0.92 | 0.00018 | 9.63 | 0.0002703 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 18D25693 | 20.8 % | 300.23 | 0.599 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006425 | 0.92 | 0.00018 | 9.63 | 0.0002703 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 18D25694 | 21.9 % | 300.23 | 0.599 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006425 | 0.92 | 0.00018 | 9.63 | 0.0002703 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 18D25696 | 22.5 % | 300.23 | 0.599 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006425 | 0.92 | 0.00018 | 9.63 | 0.0002703 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |

18D25647.AGE >>> HBH-295-17 >>> OREGON | MCCLAUGHRY (18-09) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

24.75 ± 0.15

TOTAL FUSION

24.95 ± 0.14

NORMAL ISOCHRON

24.74 ± 0.29

INVERSE ISOCHRON

24.75 ± 0.29

MSWD (PROBABILITY)

1.61 (3%)

Sample Info

Groundmass

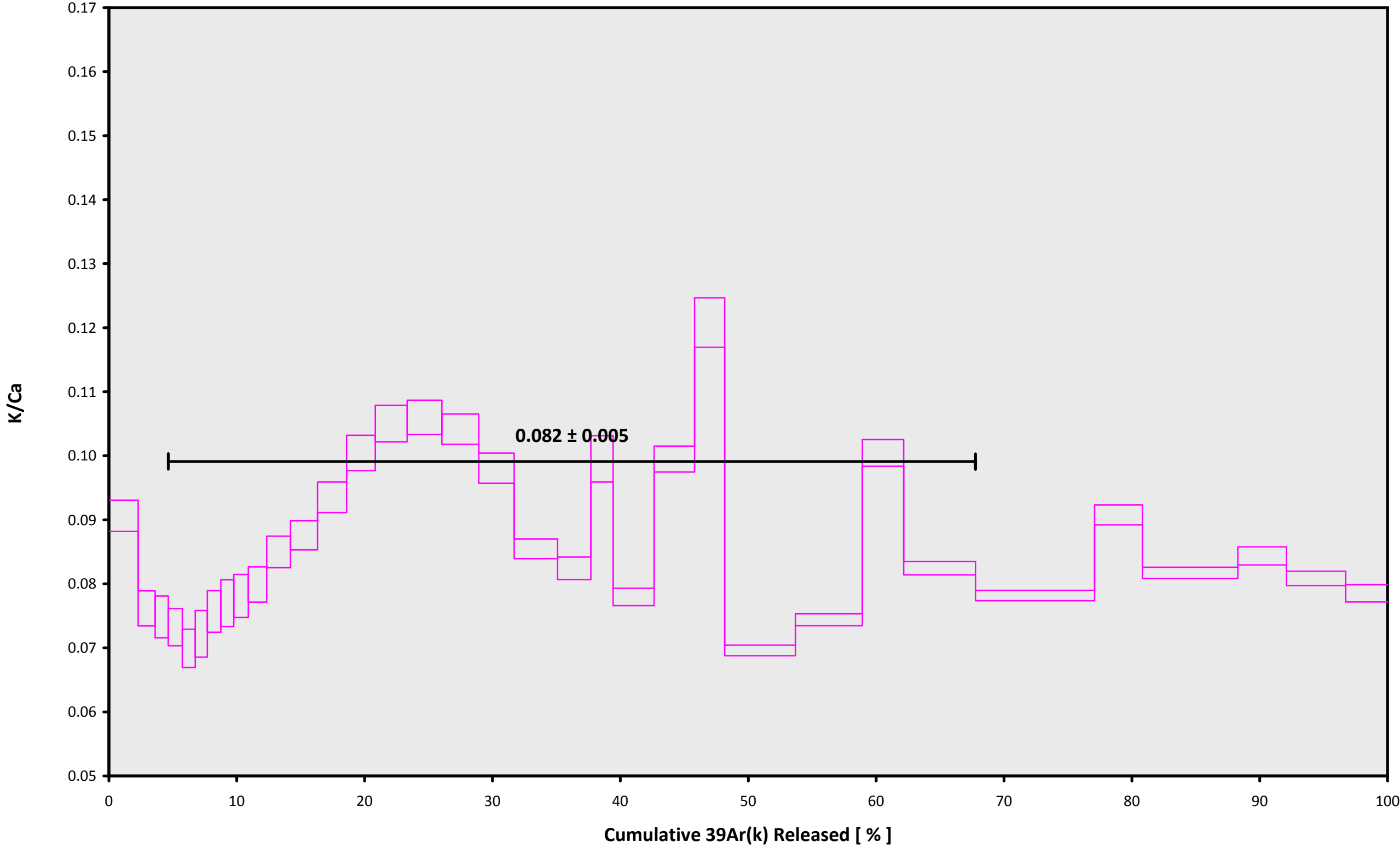
Soldier Creek

Dan Miggins

IRR = 18-OSU-04 (4C23-18)

J = 0.00155908 ± 0.00000115

18D25647.AGE >>> HBH-295-17 >>> OREGON | MCCLAUGHRY (18-09) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

24.75 ± 0.15

TOTAL FUSION

24.95 ± 0.14

NORMAL ISOCHRON

24.74 ± 0.29

INVERSE ISOCHRON

24.75 ± 0.29

Sample Info

Groundmass

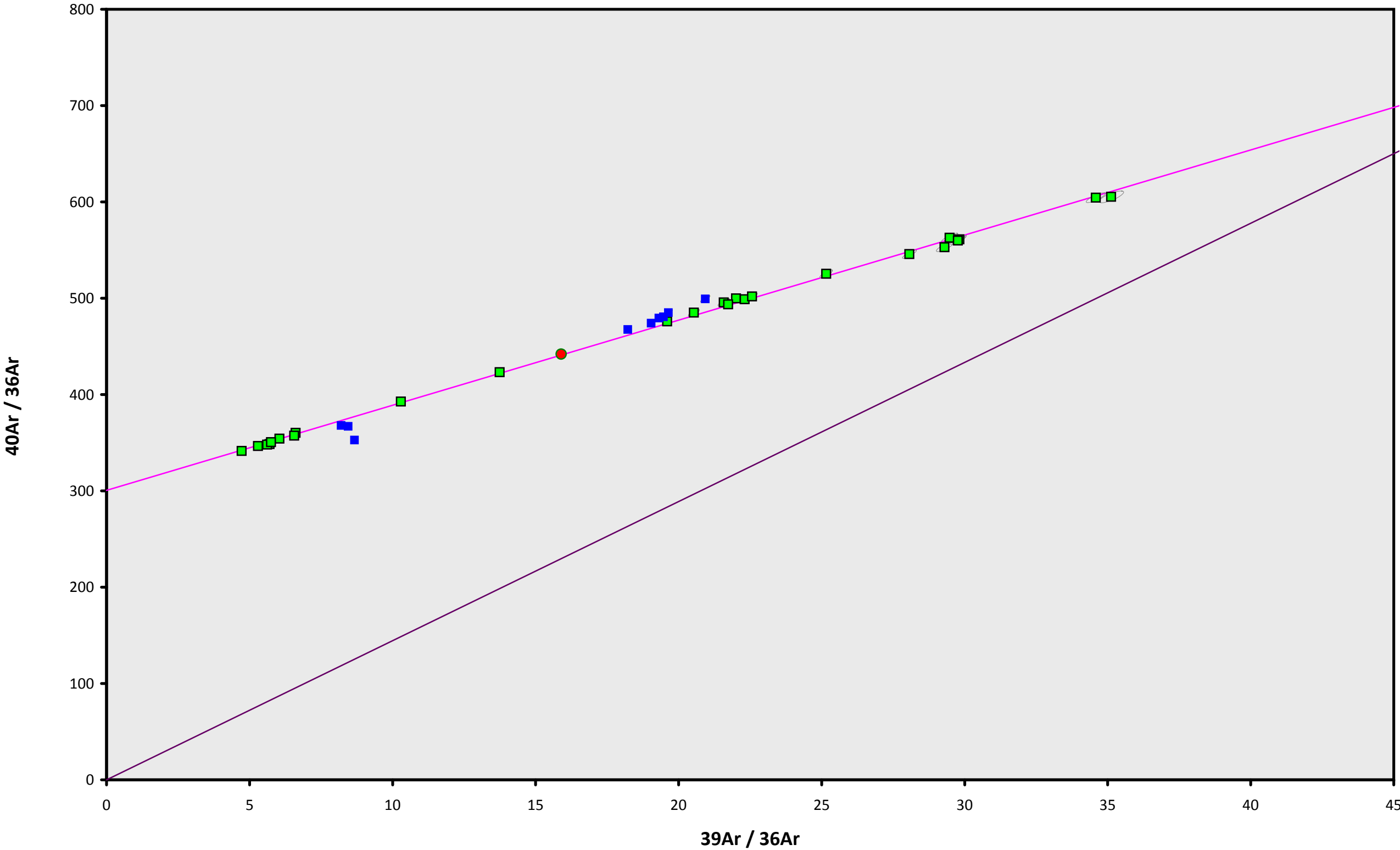
Soldier Creek

Dan Miggins

IRR = 18-OSU-04 (4C23-18)

J = 0.00155908 ± 0.00000115

18D25647.AGE >>> HBH-295-17 >>> OREGON | MCCLAUGHRY (18-09) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

24.75 ± 0.15

TOTAL FUSION

24.95 ± 0.14

NORMAL ISOCHRON

24.74 ± 0.29

INVERSE ISOCHRON

24.75 ± 0.29

MSWD (PROBABILITY)

4.95 (0%)

40AR/36AR INTERCEPT

300.6 ± 2.0

Sample Info

Groundmass

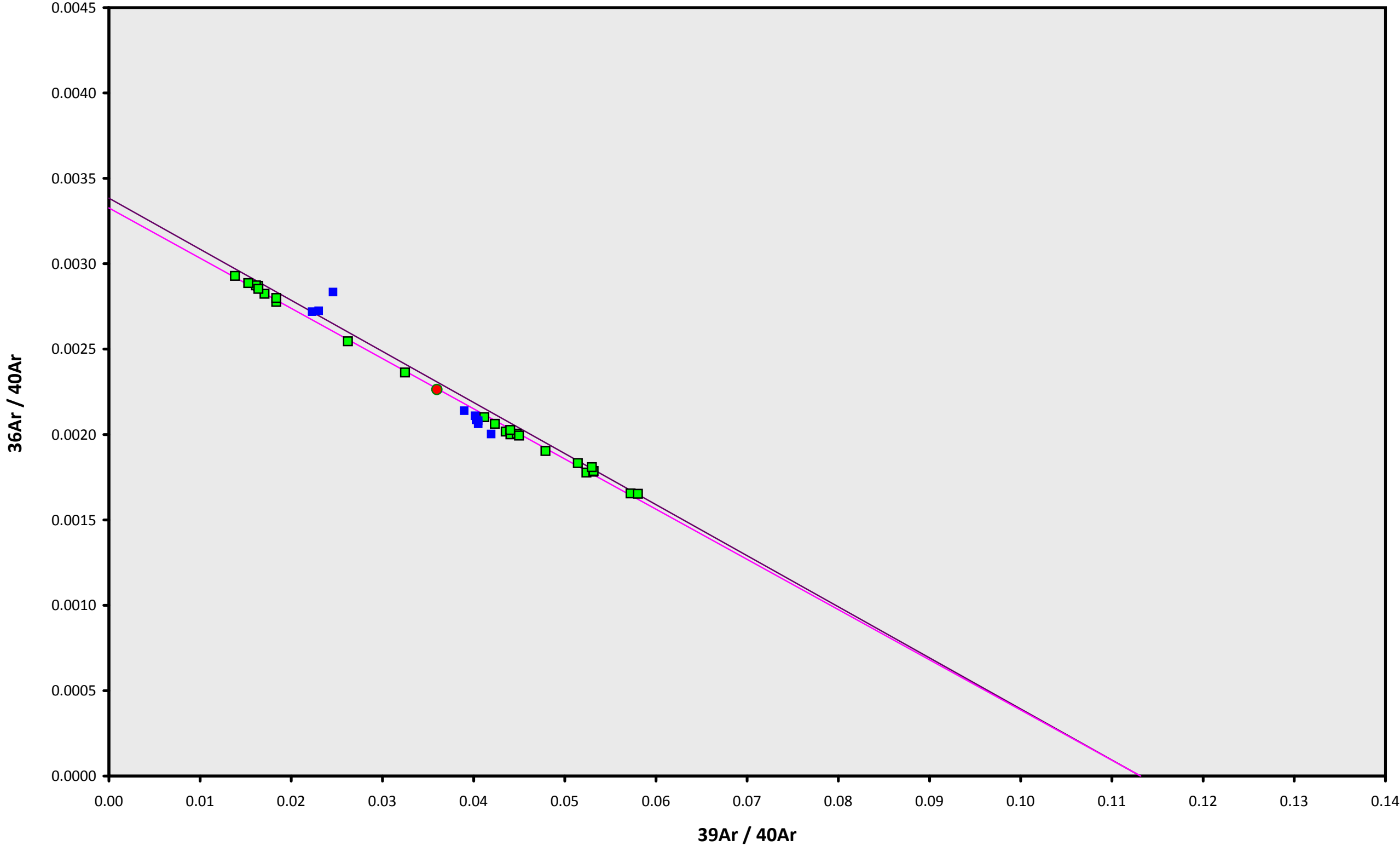
Soldier Creek

Dan Miggins

IRR = 18-OSU-04 (4C23-18)

$J = 0.00155908 \pm 0.00000115$

18D25647.AGE >>> HBH-295-17 >>> OREGON | MCCLAUGHRY (18-09) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

24.75 ± 0.15

TOTAL FUSION

24.95 ± 0.14

NORMAL ISOCHRON

24.74 ± 0.29

INVERSE ISOCHRON

24.75 ± 0.29

MSWD (PROBABILITY)

4.94 (0%)

SPREADING FACTOR

39.1%

40AR/36AR INTERCEPT

300.6 ± 2.0

Sample Info

Groundmass

Soldier Creek

Dan Miggins

IRR = 18-OSU-04 (4C23-18)

$J = 0.00155908 \pm 0.00000115$