



UNIVERSITAT DE
BARCELONA

El volcanismo calcoalcalino y peralcalino del suroeste de Cerdeña (Italia) y mineralizaciones asociadas

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| 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 |
|---------------------|--------|-----------|--------|-----------|----------|-----------|--------|-----------|-------|-----------|--------|-------------------|---------------|-------------|-------------|------------|
| 17D42456 | 1.8 % | 0.0081249 | 9.749 | 0.147184 | 93.796 | 0.02951 | 80.182 | 0.6830 | 8.293 | 3.793 | 10.226 | 2.02113 ± 1.36858 | 5.95 ± 4.02 | 36.40 | 0.01 | 2 ± 4 |
| 17D42458 | 2.0 % | 0.0066210 | 12.009 | 0.016031 | 876.939 | 0.07837 | 31.445 | 0.9931 | 5.665 | 4.905 | 7.906 | 2.96988 ± 0.97348 | 8.74 ± 2.86 | 60.13 | 0.01 | 27 ± 467 |
| 17D42460 | 2.2 % | 0.0051400 | 15.679 | 0.005375 | 2655.524 | 0.09366 | 24.204 | 1.2605 | 4.522 | 6.134 | 6.322 | 3.66376 ± 0.79467 | 10.77 ± 2.33 | 75.29 | 0.01 | 101 ± 5356 |
| 17D42462 | 2.4 % | 0.0039265 | 19.975 | 0.046126 | 309.442 | 0.03661 | 65.347 | 0.8326 | 6.781 | 4.783 | 8.109 | 4.34660 ± 1.23533 | 12.77 ± 3.62 | 75.67 | 0.01 | 8 ± 48 |
| 17D42463 | 2.7 % | 0.0073408 | 10.833 | 0.149191 | 96.066 | 0.14927 | 15.913 | 2.5917 | 2.192 | 15.099 | 2.569 | 4.98535 ± 0.41267 | 14.64 ± 1.21 | 85.58 | 0.03 | 7 ± 14 |
| 17D42464 | 3.0 % | 0.0052398 | 14.951 | 0.104977 | 140.498 | 0.04345 | 56.887 | 1.5769 | 3.595 | 10.190 | 3.805 | 5.47429 ± 0.69504 | 16.07 ± 2.03 | 84.72 | 0.02 | 6 ± 18 |
| 17D42466 | 3.4 % | 0.1242767 | 0.863 | 0.068122 | 203.871 | 0.13397 | 18.680 | 3.4786 | 1.654 | 55.452 | 0.702 | 5.38229 ± 0.34285 | 15.80 ± 1.00 | 33.77 | 0.04 | 22 ± 90 |
| 17D42467 | 3.8 % | 0.0083790 | 9.564 | 0.090441 | 160.721 | 0.12487 | 19.526 | 6.8123 | 0.835 | 41.135 | 0.943 | 5.67343 ± 0.16370 | 16.65 ± 0.48 | 93.96 | 0.07 | 32 ± 104 |
| 17D42468 | 4.2 % | 0.0052269 | 14.941 | 0.271129 | 52.460 | 0.13666 | 17.737 | 9.8294 | 0.579 | 56.996 | 0.681 | 5.64309 ± 0.11275 | 16.56 ± 0.33 | 97.32 | 0.10 | 16 ± 16 |
| 17D42470 | 4.6 % | 0.0090510 | 8.676 | 0.074850 | 188.805 | 0.20944 | 11.079 | 16.0059 | 0.362 | 91.691 | 0.423 | 5.56131 ± 0.06938 | 16.32 ± 0.20 | 97.08 | 0.16 | 92 ± 347 |
| 17D42471 | 5.2 % | 0.0076521 | 10.178 | 0.086188 | 158.626 | 0.28574 | 8.542 | 23.9593 | 0.248 | 133.971 | 0.290 | 5.49695 ± 0.04651 | 16.14 ± 0.14 | 98.31 | 0.25 | 120 ± 379 |
| 17D42472 | 5.8 % | 0.0091778 | 8.535 | 0.203327 | 70.002 | 0.65971 | 3.619 | 51.9641 | 0.132 | 286.763 | 0.135 | 5.46603 ± 0.02262 | 16.04 ± 0.07 | 99.05 | 0.53 | 110 ± 154 |
| 17D42474 | 6.5 % | 0.0189650 | 4.249 | 0.203641 | 74.018 | 0.67602 | 3.581 | 54.3044 | 0.128 | 301.191 | 0.129 | 5.44287 ± 0.02183 | 15.98 ± 0.06 | 98.13 | 0.56 | 115 ± 170 |
| 17D42475 | 7.2 % | 0.0118939 | 6.673 | 0.104921 | 135.839 | 1.00027 | 2.490 | 81.2238 | 0.101 | 445.169 | 0.087 | 5.43701 ± 0.01571 | 15.96 ± 0.05 | 99.20 | 0.83 | 333 ± 904 |
| 17D42476 | 8.0 % | 0.0139665 | 5.663 | 0.217238 | 65.461 | 1.36520 | 1.788 | 112.5130 | 0.088 | 615.716 | 0.063 | 5.43527 ± 0.01256 | 15.95 ± 0.04 | 99.32 | 1.15 | 223 ± 292 |
| 17D42478 | 8.9 % | 0.0170902 | 4.759 | 0.577786 | 24.917 | 1.94260 | 1.250 | 161.5490 | 0.080 | 882.882 | 0.044 | 5.43354 ± 0.01042 | 15.95 ± 0.03 | 99.42 | 1.65 | 120 ± 60 |
| 17D42479 | 9.7 % | 0.0281831 | 3.008 | 0.710966 | 20.875 | 2.80140 | 0.871 | 232.2502 | 0.076 | 1269.882 | 0.031 | 5.43152 ± 0.00922 | 15.94 ± 0.03 | 99.34 | 2.38 | 140 ± 59 |
| 17D42480 | 10.6 % | 0.0544861 | 1.683 | 1.330722 | 11.372 | 4.50840 | 0.554 | 375.1511 | 0.074 | 2052.026 | 0.019 | 5.42664 ± 0.00839 | 15.93 ± 0.02 | 99.21 | 3.84 | 121 ± 28 |
| 17D42482 | 11.3 % | 0.7950475 | 0.362 | 1.832906 | 7.589 | 6.82253 | 0.380 | 555.1674 | 0.073 | 3248.346 | 0.012 | 5.42760 ± 0.00881 | 15.93 ± 0.03 | 92.76 | 5.69 | 130 ± 20 |
| 17D42483 | 12.0 % | 0.1663210 | 0.711 | 2.216615 | 6.412 | 8.47780 | 0.322 | 701.5130 | 0.072 | 3862.829 | 0.010 | 5.43602 ± 0.00801 | 15.96 ± 0.02 | 98.72 | 7.19 | 136 ± 17 |
| 17D42484 | 12.8 % | 0.2213812 | 0.572 | 2.597012 | 5.270 | 10.39869 | 0.267 | 861.9437 | 0.072 | 4746.127 | 0.009 | 5.43006 ± 0.00793 | 15.94 ± 0.02 | 98.61 | 8.83 | 143 ± 15 |
| 17D42486 | 13.5 % | 0.4917785 | 0.421 | 3.094802 | 4.678 | 13.52976 | 0.233 | 1117.3681 | 0.072 | 6216.262 | 0.007 | 5.43288 ± 0.00795 | 15.95 ± 0.02 | 97.66 | 11.45 | 155 ± 15 |
| 17D42487 | 14.4 % | 0.3855309 | 0.437 | 3.951046 | 3.708 | 15.44094 | 0.212 | 1278.3564 | 0.072 | 7066.019 | 0.006 | 5.43796 ± 0.00789 | 15.96 ± 0.02 | 98.38 | 13.10 | 139 ± 10 |
| 17D42488 | 15.3 % | 0.4068592 | 0.415 | 2.776448 | 5.162 | 10.50941 | 0.273 | 867.4654 | 0.072 | 4837.080 | 0.008 | 5.43717 ± 0.00800 | 15.96 ± 0.02 | 97.51 | 8.89 | 134 ± 14 |
| 17D42490 | 16.1 % | 0.4222391 | 0.429 | 2.805038 | 4.922 | 11.39040 | 0.256 | 939.6923 | 0.072 | 5240.050 | 0.008 | 5.44321 ± 0.00799 | 15.98 ± 0.02 | 97.61 | 9.63 | 144 ± 14 |
| 17D42491 | 17.0 % | 0.3971933 | 0.431 | 3.192575 | 4.488 | 12.56752 | 0.243 | 1038.5245 | 0.072 | 5772.547 | 0.007 | 5.44504 ± 0.00795 | 15.98 ± 0.02 | 97.96 | 10.64 | 140 ± 13 |
| 17D42492 | 17.9 % | 0.5264484 | 0.399 | 2.446017 | 5.866 | 9.88448 | 0.284 | 813.3877 | 0.072 | 4581.282 | 0.009 | 5.44073 ± 0.00811 | 15.97 ± 0.02 | 96.60 | 8.33 | 143 ± 17 |
| 17D42494 | 18.5 % | 0.1543312 | 0.724 | 1.544599 | 8.863 | 5.49445 | 0.467 | 451.4034 | 0.073 | 2501.621 | 0.016 | 5.44052 ± 0.00828 | 15.97 ± 0.02 | 98.17 | 4.62 | 126 ± 22 |
| Σ | | 4.3118714 | 0.156 | 29.621129 | 2.550 | 118.79113 | 0.116 | 9761.8010 | 0.021 | 54349.939 | 0.004 | | | | | |

Information on Analysis and Constants Used in Calculations

Project = **ALS GLOBAL (17-25)**
Sample = **15-202**
Material = **Sanidine**
Location = **San Pietro Island**
Region = **SW Sardinia**
Analyst = **Dan Miggins**
Irradiation = **17-OSU-08 (8A13-17)**
Position = **X: 0 | Y: 0 | Z/H: 19.42676 mm**
FCT-NM Age = **28.201 ± 0.023 Ma**
FCT-NM Reference = **Kuiper et al (2008)**
FCT-NM 40Ar/39Ar Ratio = **9.63972 ± 0.00829**
FCT-NM J-value = **0.00163048 ± 0.00000140**
Air Shot 40Ar/36Ar = **302.6740 ± 0.5145**
Air Shot MDF = **0.99406682 ± 0.00071280 (LIN)**
Experiment Type = **Incremental Heating**
Extraction Method = **Bulk Laser Heating**
Heating = **77 sec**
Isolation = **3.00 min**
Instrument = **ARGUS-VI-D**
Preferred Age = **Plateau Age**
Age Classification = **Eruption Age**
IGSN = **Undefined**
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) = **295.50 ± 0.70**
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 | | 5.43599 ± 0.00285 ± 0.05% | 15.96 ± 0.03 ± 0.18% | 1.63 6% | 98.77 16 | 140 ± 5 |
| | | Full External Error ± 0.36 Analytical Error ± 0.01 | | 1.73 1.2754 | 2σ Confidence Limit Error Magnification | |
| Total Fusion Age | | 5.43674 ± 0.00240 ± 0.04% | 15.96 ± 0.03 ± 0.18% | | 28 | 142 ± 7 |
| | | Full External Error ± 0.36 Analytical Error ± 0.01 | | | | |
| Normal Isochron Error Chron | 302.38 ± 11.07 ± 3.66% | 5.43108 ± 0.00564 ± 0.10% | 15.94 ± 0.03 ± 0.20% | 2.44 0% | 98.77 16 | |
| | | Full External Error ± 0.36 Analytical Error ± 0.02 | | 1.76 1.5610 | 2σ Confidence Limit Error Magnification | |
| | | | | 0.0000091144 | 1 Convergence | |
| Inverse Isochron | 293.70 ± 9.35 ± 3.18% | 5.43670 ± 0.00477 ± 0.09% | 15.96 ± 0.03 ± 0.19% | 1.74 4% | 98.77 16 | |
| | | Full External Error ± 0.36 Analytical Error ± 0.01 | | 1.76 1.3207 | 2σ Confidence Limit Error Magnification | |
| | | | | 0.0002259681 | 2 Convergence | |
| | | | | 7% | 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 |
|---------------------|--------|-----------------|------------------|------------------|-----------------|-----------------|------------------|----------------|----------------|------------|
| 17D42456 | 1.8 % | 0.0081619 | 0.147184 | 0.0197577 | 0.6831 | 1.381 | 5.95 ± 4.02 | 36.40 | 0.01 | 2 ± 4 |
| 17D42458 | 2.0 % | 0.0066162 | 0.016031 | 0.0651440 | 0.9931 | 2.949 | 8.74 ± 2.86 | 60.13 | 0.01 | 27 ± 467 |
| 17D42460 | 2.2 % | 0.0051278 | 0.005375 | 0.0774745 | 1.2605 | 4.618 | 10.77 ± 2.33 | 75.29 | 0.01 | 101 ± 5356 |
| 17D42462 | 2.4 % | 0.0039354 | 0.046126 | 0.0258253 | 0.8326 | 3.619 | 12.77 ± 3.62 | 75.67 | 0.01 | 8 ± 48 |
| 17D42463 | 2.7 % | 0.0073648 | 0.149191 | 0.1166192 | 2.5918 | 12.921 | 14.64 ± 1.21 | 85.58 | 0.03 | 7 ± 14 |
| 17D42464 | 3.0 % | 0.0052649 | 0.104977 | 0.0234384 | 1.5770 | 8.633 | 16.07 ± 2.03 | 84.72 | 0.02 | 6 ± 18 |
| 17D42466 | 3.4 % | 0.1242855 | 0.068122 | 0.0687375 | 3.4787 | 18.723 | 15.80 ± 1.00 | 33.77 | 0.04 | 22 ± 90 |
| 17D42467 | 3.8 % | 0.0083977 | 0.090441 | 0.0410479 | 6.8124 | 38.649 | 16.65 ± 0.48 | 93.96 | 0.07 | 32 ± 104 |
| 17D42468 | 4.2 % | 0.0051513 | 0.271129 | 0.0169393 | 9.8293 | 55.467 | 16.56 ± 0.33 | 97.32 | 0.10 | 16 ± 16 |
| 17D42470 | 4.6 % | 0.0090287 | 0.074850 | 0.0144351 | 16.0059 | 89.014 | 16.32 ± 0.20 | 97.08 | 0.16 | 92 ± 347 |
| 17D42471 | 5.2 % | 0.0076288 | 0.086188 | 0.0000000 | 23.9592 | 131.703 | 16.14 ± 0.14 | 98.31 | 0.25 | 120 ± 379 |
| 17D42472 | 5.8 % | 0.0091186 | 0.203327 | 0.0304032 | 51.9640 | 284.037 | 16.04 ± 0.07 | 99.05 | 0.53 | 110 ± 154 |
| 17D42474 | 6.5 % | ✓ 0.0189077 | 0.203641 | 0.0166168 | 54.3043 | 295.571 | 15.98 ± 0.06 | 98.13 | 0.56 | 115 ± 170 |
| 17D42475 | 7.2 % | ✓ 0.0118631 | 0.104921 | 0.0170919 | 81.2237 | 441.614 | 15.96 ± 0.05 | 99.20 | 0.83 | 333 ± 904 |
| 17D42476 | 8.0 % | ✓ 0.0139073 | 0.217238 | 0.0037397 | 112.5128 | 611.538 | 15.95 ± 0.04 | 99.32 | 1.15 | 223 ± 292 |
| 17D42478 | 8.9 % | ✓ 0.0169340 | 0.577786 | 0.0000000 | 161.5486 | 877.780 | 15.95 ± 0.03 | 99.42 | 1.65 | 120 ± 60 |
| 17D42479 | 9.7 % | ✓ 0.0279909 | 0.710966 | 0.0000000 | 232.2497 | 1261.470 | 15.94 ± 0.03 | 99.34 | 2.38 | 140 ± 59 |
| 17D42480 | 10.6 % | ✓ 0.0541264 | 1.330722 | 0.0000000 | 375.1502 | 2035.804 | 15.93 ± 0.02 | 99.21 | 3.84 | 121 ± 28 |
| 17D42482 | 11.3 % | ✓ 0.7945521 | 1.832906 | 0.0000000 | 555.1663 | 3013.219 | 15.93 ± 0.03 | 92.76 | 5.69 | 130 ± 20 |
| 17D42483 | 12.0 % | ✓ 0.1657218 | 2.216615 | 0.0000000 | 701.5116 | 3813.433 | 15.96 ± 0.02 | 98.72 | 7.19 | 136 ± 17 |
| 17D42484 | 12.8 % | ✓ 0.2206792 | 2.597012 | 0.0000000 | 861.9421 | 4680.393 | 15.94 ± 0.02 | 98.61 | 8.83 | 143 ± 15 |
| 17D42486 | 13.5 % | ✓ 0.4909419 | 3.094802 | 0.0000000 | 1117.3661 | 6070.511 | 15.95 ± 0.02 | 97.66 | 11.45 | 155 ± 15 |
| 17D42487 | 14.4 % | ✓ 0.3844630 | 3.951046 | 0.0000000 | 1278.3539 | 6951.634 | 15.96 ± 0.02 | 98.38 | 13.10 | 139 ± 10 |
| 17D42488 | 15.3 % | ✓ 0.4061088 | 2.776448 | 0.0000000 | 867.4636 | 4716.548 | 15.96 ± 0.02 | 97.51 | 8.89 | 134 ± 14 |
| 17D42490 | 16.1 % | ✓ 0.4214809 | 2.805038 | 0.0000000 | 939.6905 | 5114.932 | 15.98 ± 0.02 | 97.61 | 9.63 | 144 ± 14 |
| 17D42491 | 17.0 % | ✓ 0.3963303 | 3.192575 | 0.0000000 | 1038.5224 | 5654.801 | 15.98 ± 0.02 | 97.96 | 10.64 | 140 ± 13 |
| 17D42492 | 17.9 % | ✓ 0.5257872 | 2.446017 | 0.0000000 | 813.3862 | 4425.418 | 15.97 ± 0.02 | 96.60 | 8.33 | 143 ± 17 |
| 17D42494 | 18.5 % | ✓ 0.1539117 | 1.544599 | 0.0138219 | 451.4024 | 2455.866 | 15.97 ± 0.02 | 98.17 | 4.62 | 126 ± 22 |
| Σ | | 4.3037877 | 29.621129 | 0.5510925 | 9761.7819 | 53072.244 | | | | |

| Information on Analysis | Results | 40(r)/39(k) ± 2σ | Age ± 2σ (Ma) | MSWD | 39Ar(k) (%),n | K/Ca ± 2σ |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------------------------------------------|-------------------------|----------------|--------------------------------------------|-----------|
| Project = ALS GLOBAL (17-25) Sample = 15-202 Material = Sanidine Location = San Pietro Island Region = SW Sardinia Analyst = Dan Miggins Irradiation = 17-OSU-08 (8A13-17) J = 0.00163048 ± 0.00000140 FCT-NM = 28.201 ± 0.023 Ma | Age Plateau | 5.43599 ± 0.00285 ± 0.05% | 15.96 ± 0.03 ± 0.18% | 1.63 6% | 98.77 16 | 140 ± 5 |
| | | Full External Error ± 0.36 Analytical Error ± 0.01 | | 1.73 1.2754 | 2σ Confidence Limit Error Magnification | |
| | Total Fusion Age | 5.43674 ± 0.00240 ± 0.04% | 15.96 ± 0.03 ± 0.18% | | 28 | 142 ± 7 |
| | | Full External Error ± 0.36 Analytical Error ± 0.01 | | | | |

| Normal Isochron | | 39(k)/36(a) ± 2σ | 40(a+r)/36(a) ± 2σ | r.i. |
|-----------------|----------|------------------|--------------------|--------|
| 17D42456 | 1.8 % | 83.69 ± 21.38 | 464.64 ± 131.09 | 0.5239 |
| 17D42458 | 2.0 % | 150.10 ± 39.92 | 741.28 ± 213.44 | 0.7561 |
| 17D42460 | 2.2 % | 245.82 ± 80.49 | 1196.12 ± 405.65 | 0.8918 |
| 17D42462 | 2.4 % | 211.58 ± 89.18 | 1215.15 ± 523.47 | 0.8771 |
| 17D42463 | 2.7 % | 351.92 ± 77.64 | 2049.94 ± 455.58 | 0.9535 |
| 17D42464 | 3.0 % | 299.54 ± 91.82 | 1935.25 ± 595.17 | 0.9419 |
| 17D42466 | 3.4 % | 27.99 ± 1.04 | 446.15 ± 9.93 | 0.3590 |
| 17D42467 | 3.8 % | 811.22 ± 155.60 | 4897.91 ± 940.44 | 0.9914 |
| 17D42468 | 4.2 % | 1908.13 ± 579.69 | 11063.23 ± 3361.94 | 0.9983 |
| 17D42470 | 4.6 % | 1772.77 ± 309.01 | 10154.45 ± 1770.54 | 0.9980 |
| 17D42471 | 5.2 % | 3140.65 ± 642.18 | 17559.46 ± 3590.85 | 0.9993 |
| 17D42472 | 5.8 % | 5698.69 ± 980.38 | 31444.72 ± 5409.65 | 0.9998 |
| 17D42474 | 6.5 % ✓ | 2872.08 ± 245.23 | 15927.85 ± 1359.98 | 0.9991 |
| 17D42475 | 7.2 % ✓ | 6846.73 ± 917.34 | 37521.22 ± 5027.00 | 0.9998 |
| 17D42476 | 8.0 % ✓ | 8090.20 ± 921.37 | 44267.93 ± 5041.26 | 0.9998 |
| 17D42478 | 8.9 % ✓ | 9539.88 ± 917.62 | 52130.79 ± 5013.86 | 0.9998 |
| 17D42479 | 9.7 % ✓ | 8297.32 ± 503.38 | 45362.58 ± 2751.33 | 0.9996 |
| 17D42480 | 10.6 % ✓ | 6931.01 ± 235.27 | 37907.54 ± 1285.62 | 0.9990 |
| 17D42482 | 11.3 % ✓ | 698.72 ± 5.16 | 4087.85 ± 29.60 | 0.9799 |
| 17D42483 | 12.0 % ✓ | 4233.07 ± 60.76 | 23306.55 ± 332.86 | 0.9948 |
| 17D42484 | 12.8 % ✓ | 3905.86 ± 45.17 | 21504.54 ± 246.81 | 0.9921 |
| 17D42486 | 13.5 % ✓ | 2275.96 ± 19.49 | 12660.53 ± 106.88 | 0.9857 |
| 17D42487 | 14.4 % ✓ | 3325.04 ± 29.57 | 18376.91 ± 161.28 | 0.9868 |
| 17D42488 | 15.3 % ✓ | 2136.04 ± 18.05 | 11909.50 ± 99.19 | 0.9852 |
| 17D42490 | 16.1 % ✓ | 2229.50 ± 19.42 | 12431.12 ± 106.81 | 0.9861 |
| 17D42491 | 17.0 % ✓ | 2620.35 ± 22.96 | 14563.40 ± 125.89 | 0.9863 |
| 17D42492 | 17.9 % ✓ | 1546.99 ± 12.56 | 8712.25 ± 69.63 | 0.9839 |
| 17D42494 | 18.5 % ✓ | 2932.87 ± 42.80 | 16251.82 ± 236.01 | 0.9947 |

| Results | 40(a)/36(a) ± 2σ | 40(r)/39(k) ± 2σ | Age ± 2σ (Ma) | MSWD |
|-----------------|-----------------------|-------------------|----------------------------|-----------------|
| Normal Isochron | 302.38 ± 11.07 | 5.43108 ± 0.00564 | 15.94 ± 0.03 | 2.44 |
| Error Chron | ± 3.66% | ± 0.10% | ± 0.20% | 0% |
| | | | Full External Error ± 0.36 | |
| | | | Analytical Error ± 0.02 | |
| Statistics | 2σ Confidence Limit | 1.76 | Convergence | 0.000009114406 |
| | Error Magnification | 1.5610 | Number of Iterations | 1 |
| | Number of Data Points | 16 | Calculated Line | Weighted York-2 |

| Inverse Isochron | | 39(k)/40(a+r) ± 2σ | 36(a)/40(a+r) ± 2σ | r.i. |
|------------------|----------|-----------------------|-------------------------|--------|
| 17D42456 | 1.8 % | 0.1801116 ± 0.0474271 | 0.00215218 ± 0.00060718 | 0.5632 |
| 17D42458 | 2.0 % | 0.2024888 ± 0.0393921 | 0.00134901 ± 0.00038843 | 0.4465 |
| 17D42460 | 2.2 % | 0.2055131 ± 0.0319495 | 0.00083604 ± 0.00028354 | 0.3033 |
| 17D42462 | 2.4 % | 0.1741175 ± 0.0368133 | 0.00082294 ± 0.00035452 | 0.2889 |
| 17D42463 | 2.7 % | 0.1716730 ± 0.0115940 | 0.00048782 ± 0.00010841 | 0.1759 |
| 17D42464 | 3.0 % | 0.1547791 ± 0.0162038 | 0.00051673 ± 0.00015892 | 0.1799 |
| 17D42466 | 3.4 % | 0.0627360 ± 0.0022542 | 0.00224141 ± 0.00004989 | 0.2467 |
| 17D42467 | 3.8 % | 0.1656261 ± 0.0041731 | 0.00020417 ± 0.00003920 | 0.0736 |
| 17D42468 | 4.2 % | 0.1724747 ± 0.0030828 | 0.00009039 ± 0.00002747 | 0.0341 |
| 17D42470 | 4.6 % | 0.1745810 ± 0.0019440 | 0.00009848 ± 0.00001717 | 0.0369 |
| 17D42471 | 5.2 % | 0.1788577 ± 0.0013643 | 0.00005695 ± 0.00001165 | 0.0215 |
| 17D42472 | 5.8 % | 0.1812287 ± 0.0006859 | 0.00003180 ± 0.00000547 | 0.0113 |
| 17D42474 | 6.5 % ✓ | 0.1803180 ± 0.0006558 | 0.00006278 ± 0.00000536 | 0.0214 |
| 17D42475 | 7.2 % ✓ | 0.1824762 ± 0.0004885 | 0.00002665 ± 0.00000357 | 0.0085 |
| 17D42476 | 8.0 % ✓ | 0.1827553 ± 0.0003974 | 0.00002259 ± 0.00000257 | 0.0065 |
| 17D42478 | 8.9 % ✓ | 0.1829990 ± 0.0003357 | 0.00001918 ± 0.00000184 | 0.0044 |
| 17D42479 | 9.7 % ✓ | 0.1829111 ± 0.0003014 | 0.00002204 ± 0.00000134 | 0.0038 |
| 17D42480 | 10.6 % ✓ | 0.1828398 ± 0.0002783 | 0.00002638 ± 0.00000089 | 0.0029 |
| 17D42482 | 11.3 % ✓ | 0.1709251 ± 0.0002517 | 0.00024463 ± 0.00000177 | 0.0057 |
| 17D42483 | 12.0 % ✓ | 0.1816257 ± 0.0002652 | 0.00004291 ± 0.00000061 | 0.0021 |
| 17D42484 | 12.8 % ✓ | 0.1816296 ± 0.0002635 | 0.00004650 ± 0.00000053 | 0.0018 |
| 17D42486 | 13.5 % ✓ | 0.1797685 ± 0.0002597 | 0.00007899 ± 0.00000067 | 0.0015 |
| 17D42487 | 14.4 % ✓ | 0.1809356 ± 0.0002608 | 0.00005442 ± 0.00000048 | 0.0011 |
| 17D42488 | 15.3 % ✓ | 0.1793557 ± 0.0002602 | 0.00008397 ± 0.00000070 | 0.0023 |
| 17D42490 | 16.1 % ✓ | 0.1793481 ± 0.0002597 | 0.00008044 ± 0.00000069 | 0.0020 |
| 17D42491 | 17.0 % ✓ | 0.1799268 ± 0.0002601 | 0.00006867 ± 0.00000059 | 0.0016 |
| 17D42492 | 17.9 % ✓ | 0.1775647 ± 0.0002580 | 0.00011478 ± 0.00000092 | 0.0028 |
| 17D42494 | 18.5 % ✓ | 0.1804638 ± 0.0002698 | 0.00006153 ± 0.00000089 | 0.0046 |

| Results | 40(a)/36(a) ± 2σ | 40(r)/39(k) ± 2σ | Age ± 2σ (Ma) | MSWD |
|------------------|-----------------------------------------------------------------------------------------|------------------------------|--------------------------------------------------------|--------------------------------------|
| Inverse Isochron | 293.70 ± 9.35 ± 3.18% | 5.43670 ± 0.00477 ± 0.09% | 15.96 ± 0.03 ± 0.19% | 1.74 4% |
| | | | Full External Error ± 0.36 Analytical Error ± 0.01 | |
| Statistics | 2σ Confidence Limit Error Magnification Number of Data Points Spreading Factor | 1.76 1.3207 16 6.6% | Convergence Number of Iterations Calculated Line | 0.0002259681 2 Weighted York-2 |

| 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 |
|--------------------|--------|-----------------|-------|-----------------|------|------------------|-----------|------------------|-----------|------------------|--------|-----------------|-------|-----------------|------|-----------------|------|------------------|--------|------------------|--------|-----------------|------|------------------|--------|-----------------|-------|-----------------|-------|-----------------|------|-----------------|-------|
| 17D42456 | 1.8 % | 0.0081619 | 9.72 | 0.0000000 | 0.00 | 0.0000398 | 93.80 | 0.0000028 | 119.80 | 0.147184 | 93.80 | 0.0015255 | 9.72 | 0.0000000 | 0.00 | 0.00825 | 8.29 | 0.0000265 | 94.29 | 0.0197577 | 119.81 | 0.6831 | 8.29 | 0.0000946 | 93.80 | 1.381 | 32.83 | 2.4118 | 9.72 | 0.0000000 | 0.00 | 0.0004146 | 12.72 |
| 17D42458 | 2.0 % | 0.0066162 | 12.03 | 0.0000000 | 0.00 | 0.0000043 | 876.94 | 0.0000091 | 37.86 | 0.016031 | 876.94 | 0.0012366 | 12.03 | 0.0000000 | 0.00 | 0.01199 | 5.67 | 0.0000029 | 876.99 | 0.0651440 | 37.87 | 0.9931 | 5.66 | 0.0000103 | 876.94 | 2.949 | 15.38 | 1.9551 | 12.03 | 0.0000000 | 0.00 | 0.0006028 | 11.19 |
| 17D42460 | 2.2 % | 0.0051278 | 15.73 | 0.0000000 | 0.00 | 0.0000015 | ##### | 0.0000108 | 29.29 | 0.005375 | ##### | 0.00009584 | 15.73 | 0.0000000 | 0.00 | 0.01522 | 4.52 | 0.0000010 | ##### | 0.0774745 | 29.30 | 1.2605 | 4.52 | 0.0000035 | ##### | 4.618 | 9.86 | 1.5153 | 15.74 | 0.0000000 | 0.00 | 0.0007651 | 10.66 |
| 17D42462 | 2.4 % | 0.0039354 | 19.95 | 0.0000000 | 0.00 | 0.0000125 | 309.44 | 0.0000036 | 92.68 | 0.046126 | 309.44 | 0.0007355 | 19.95 | 0.0000000 | 0.00 | 0.01006 | 6.78 | 0.0000083 | 309.59 | 0.0258253 | 92.68 | 0.8326 | 6.78 | 0.0000296 | 309.44 | 3.619 | 12.49 | 1.1629 | 19.96 | 0.0000000 | 0.00 | 0.0005054 | 11.79 |
| 17D42463 | 2.7 % | 0.0073648 | 10.81 | 0.0000000 | 0.00 | 0.0000403 | 96.07 | 0.0000163 | 20.40 | 0.149191 | 96.07 | 0.0013765 | 10.81 | 0.0000000 | 0.00 | 0.03130 | 2.19 | 0.0000269 | 96.55 | 0.1166192 | 20.42 | 2.5918 | 2.19 | 0.0000959 | 96.07 | 12.921 | 3.51 | 2.1763 | 10.81 | 0.0000000 | 0.00 | 0.0015732 | 9.90 |
| 17D42464 | 3.0 % | 0.0052649 | 14.90 | 0.0000000 | 0.00 | 0.0000284 | 140.50 | 0.0000033 | 105.50 | 0.104977 | 140.50 | 0.0009840 | 14.90 | 0.0000000 | 0.00 | 0.01905 | 3.60 | 0.0000189 | 140.83 | 0.0234384 | 105.51 | 1.5770 | 3.59 | 0.0000674 | 140.50 | 8.633 | 5.23 | 1.5558 | 14.90 | 0.0000000 | 0.00 | 0.0009572 | 10.30 |
| 17D42466 | 3.4 % | 0.1242855 | 0.86 | 0.0000000 | 0.00 | 0.0000184 | 203.87 | 0.0000096 | 36.43 | 0.068122 | 203.87 | 0.0232290 | 0.86 | 0.0000000 | 0.00 | 0.04201 | 1.66 | 0.0000123 | 204.10 | 0.0687375 | 36.45 | 3.4787 | 1.65 | 0.0000438 | 203.87 | 18.723 | 2.72 | 36.7264 | 0.90 | 0.0000000 | 0.00 | 0.0021116 | 9.79 |
| 17D42467 | 3.8 % | 0.0083977 | 9.55 | 0.0000000 | 0.00 | 0.0000244 | 160.72 | 0.0000057 | 59.43 | 0.090441 | 160.72 | 0.0015695 | 9.55 | 0.0000000 | 0.00 | 0.08227 | 0.84 | 0.0000163 | 161.01 | 0.0410479 | 59.44 | 6.8124 | 0.84 | 0.0000581 | 160.72 | 38.649 | 1.18 | 2.4815 | 9.56 | 0.0000000 | 0.00 | 0.0041351 | 9.69 |
| 17D42468 | 4.2 % | 0.0051513 | 15.18 | 0.0000000 | 0.00 | 0.0000733 | 52.46 | 0.0000024 | 143.17 | 0.271129 | 52.46 | 0.0009628 | 15.18 | 0.0000000 | 0.00 | 0.11871 | 0.59 | 0.0000488 | 53.34 | 0.0169393 | 143.17 | 9.8293 | 0.58 | 0.0001742 | 52.47 | 55.467 | 0.81 | 1.5222 | 15.18 | 0.0000000 | 0.00 | 0.0059664 | 9.67 |
| 17D42470 | 4.6 % | 0.0090287 | 8.71 | 0.0000000 | 0.00 | 0.0000202 | 188.80 | 0.0000020 | 160.83 | 0.074850 | 188.80 | 0.0016875 | 8.71 | 0.0000000 | 0.00 | 0.19330 | 0.37 | 0.0000135 | 189.05 | 0.0144351 | 160.84 | 16.0059 | 0.36 | 0.0000481 | 188.81 | 89.014 | 0.51 | 2.6680 | 8.71 | 0.0000000 | 0.00 | 0.0097156 | 9.66 |
| 17D42471 | 5.2 % | 0.0076288 | 10.22 | 0.0000000 | 0.00 | 0.0000233 | 158.63 | 0.0000000 | 0.00 | 0.086188 | 158.63 | 0.0014258 | 10.22 | 0.0000000 | 0.00 | 0.28936 | 0.26 | 0.0000155 | 158.92 | 0.0000000 | 0.00 | 23.9592 | 0.25 | 0.0000554 | 158.63 | 131.703 | 0.34 | 2.2543 | 10.22 | 0.0000000 | 0.00 | 0.0145432 | 9.65 |
| 17D42472 | 5.8 % | 0.0091186 | 8.60 | 0.0000000 | 0.00 | 0.0000550 | 70.00 | 0.0000043 | 78.60 | 0.203327 | 70.00 | 0.0017043 | 8.60 | 0.0000000 | 0.00 | 0.62757 | 0.16 | 0.0000366 | 70.66 | 0.0304032 | 78.60 | 51.9640 | 0.13 | 0.0001306 | 70.01 | 284.037 | 0.16 | 2.6945 | 8.60 | 0.0000000 | 0.00 | 0.0315421 | 9.65 |
| 17D42474 | 6.5 % | ✓ 0.0189077 | 4.27 | 0.0000000 | 0.00 | 0.0000550 | 74.02 | 0.0000023 | 145.81 | 0.203641 | 74.02 | 0.0035338 | 4.27 | 0.0000000 | 0.00 | 0.65583 | 0.16 | 0.0000367 | 74.64 | 0.0166168 | 145.81 | 54.3043 | 0.13 | 0.0001308 | 74.02 | 295.571 | 0.15 | 5.5872 | 4.27 | 0.0000000 | 0.00 | 0.0329627 | 9.65 |
| 17D42475 | 7.2 % | ✓ 0.0118631 | 6.70 | 0.0000000 | 0.00 | 0.0000284 | 135.84 | 0.0000024 | 145.94 | 0.104921 | 135.84 | 0.0022172 | 6.70 | 0.0000000 | 0.00 | 0.98094 | 0.14 | 0.0000189 | 136.18 | 0.0170919 | 145.94 | 81.2237 | 0.10 | 0.0000674 | 135.84 | 441.614 | 0.10 | 3.5056 | 6.70 | 0.0000000 | 0.00 | 0.0493028 | 9.65 |
| 17D42476 | 8.0 % | ✓ 0.0139073 | 5.69 | 0.0000000 | 0.00 | 0.0000587 | 65.46 | 0.0000005 | 654.43 | 0.217238 | 65.46 | 0.0025993 | 5.69 | 0.0000000 | 0.00 | 1.35882 | 0.13 | 0.0000391 | 66.17 | 0.0037397 | 654.43 | 112.5128 | 0.09 | 0.0001396 | 65.47 | 611.538 | 0.07 | 4.1096 | 5.70 | 0.0000000 | 0.00 | 0.0682953 | 9.65 |
| 17D42478 | 8.9 % | ✓ 0.0169340 | 4.81 | 0.0000000 | 0.00 | 0.0001562 | 24.92 | 0.0000000 | 0.00 | 0.577786 | 24.92 | 0.0031650 | 4.81 | 0.0000000 | 0.00 | 1.95102 | 0.12 | 0.0001040 | 26.71 | 0.0000000 | 0.00 | 161.5486 | 0.08 | 0.0003712 | 24.93 | 877.780 | 0.05 | 5.0040 | 4.81 | 0.0000000 | 0.00 | 0.0980600 | 9.65 |
| 17D42479 | 9.7 % | ✓ 0.0279909 | 3.03 | 0.0000000 | 0.00 | 0.0001922 | 20.88 | 0.0000000 | 0.00 | 0.710966 | 20.87 | 0.0052315 | 3.03 | 0.0000000 | 0.00 | 2.80488 | 0.12 | 0.0001280 | 22.99 | 0.0000000 | 0.00 | 232.2497 | 0.08 | 0.0004568 | 20.90 | 1261.470 | 0.04 | 8.2713 | 3.04 | 0.0000000 | 0.00 | 0.1409756 | 9.65 |
| 17D42480 | 10.6 % | ✓ 0.0541264 | 1.70 | 0.0000000 | 0.00 | 0.0003597 | 11.37 | 0.0000000 | 0.00 | 1.330722 | 11.37 | 0.0101162 | 1.70 | 0.0000000 | 0.00 | 4.53069 | 0.12 | 0.0002395 | 14.90 | 0.0000000 | 0.00 | 375.1502 | 0.07 | 0.0008550 | 11.41 | 2035.804 | 0.02 | 15.9943 | 1.71 | 0.0000000 | 0.00 | 0.2277162 | 9.65 |
| 17D42482 | 11.3 % | ✓ 0.7945521 | 0.36 | 0.0000000 | 0.00 | 0.0004954 | 7.59 | 0.0000000 | 0.00 | 1.832906 | 7.59 | 0.1485018 | 0.36 | 0.0000000 | 0.00 | 6.70474 | 0.12 | 0.0003299 | 12.26 | 0.0000000 | 0.00 | 555.1663 | 0.07 | 0.0011776 | 7.64 | 3013.219 | 0.04 | 234.7901 | 0.43 | 0.0000000 | 0.00 | 0.3369859 | 9.65 |
| 17D42483 | 12.0 % | ✓ 0.1657218 | 0.71 | 0.0000000 | 0.00 | 0.0005992 | 6.41 | 0.0000000 | 0.00 | 2.216615 | 6.41 | 0.0309734 | 0.71 | 0.0000000 | 0.00 | 8.47216 | 0.12 | 0.0003990 | 11.57 | 0.0000000 | 0.00 | 701.5116 | 0.07 | 0.0014242 | 6.48 | 3813.433 | 0.01 | 48.9708 | 0.75 | 0.0000000 | 0.00 | 0.4258176 | 9.65 |
| 17D42484 | 12.8 % | ✓ 0.2206792 | 0.57 | 0.0000000 | 0.00 | 0.0007020 | 5.27 | 0.0000000 | 0.00 | 2.597012 | 5.27 | 0.0412449 | 0.57 | 0.0000000 | 0.00 | 10.40967 | 0.12 | 0.0004675 | 10.98 | 0.0000000 | 0.00 | 861.9421 | 0.07 | 0.0016686 | 5.35 | 4680.393 | 0.01 | 65.2107 | 0.62 | 0.0000000 | 0.00 | 0.5231988 | 9.65 |
| 17D42486 | 13.5 % | ✓ 0.4909419 | 0.42 | 0.0000000 | 0.00 | 0.0008365 | 4.68 | 0.0000000 | 0.00 | 3.094802 | 4.68 | 0.0917570 | 0.42 | 0.0000000 | 0.00 | 13.49443 | 0.12 | 0.0005571 | 10.71 | 0.0000000 | 0.00 | 1117.3661 | 0.07 | 0.0019884 | 4.77 | 6070.511 | 0.01 | 145.0733 | 0.48 | 0.0000000 | 0.00 | 0.6782412 | 9.65 |
| 17D42487 | 14.4 % | ✓ 0.3844630 | 0.44 | 0.0000000 | 0.00 | 0.0010680 | 3.71 | 0.0000000 | 0.00 | 3.951046 | 3.71 | 0.0718561 | 0.44 | 0.0000000 | 0.00 | 15.43868 | 0.12 | 0.0007112 | 10.32 | 0.0000000 | 0.00 | 1278.3539 | 0.07 | 0.0025385 | 3.82 | 6951.634 | 0.01 | 113.6088 | 0.50 | 0.0000000 | 0.00 | 0.7759608 | 9.65 |
| 17D42488 | 15.3 % | ✓ 0.4061088 | 0.42 | 0.0000000 | 0.00 | 0.0007505 | 5.16 | 0.0000000 | 0.00 | 2.776448 | 5.16 | 0.0759017 | 0.42 | 0.0000000 | 0.00 | 10.47636 | 0.12 | 0.0004998 | 10.93 | 0.0000000 | 0.00 | 867.4636 | 0.07 | 0.0017839 | 5.24 | 4716.548 | 0.01 | 120.0051 | 0.48 | 0.0000000 | 0.00 | 0.5265504 | 9.65 |
| 17D42490 | 16.1 % | ✓ 0.4214809 | 0.43 | 0.0000000 | 0.00 | 0.0007582 | 4.93 | 0.0000000 | 0.00 | 2.805038 | 4.92 | 0.0787748 | 0.43 | 0.0000000 | 0.00 | 11.34864 | 0.12 | 0.0005049 | 10.81 | 0.0000000 | 0.00 | 939.6905 | 0.07 | 0.0018022 | 5.01 | 5114.932 | 0.01 | 124.5476 | 0.49 | 0.0000000 | 0.00 | 0.5703921 | 9.65 |
| 17D42491 | 17.0 % | ✓ 0.3963303 | 0.43 | 0.0000000 | 0.00 | 0.0008630 | 4.49 | 0.0000000 | 0.00 | 3.192575 | 4.49 | 0.0740741 | 0.43 | 0.0000000 | 0.00 | 12.54224 | 0.12 | 0.0005747 | 10.62 | 0.0000000 | 0.00 | 1038.5224 | 0.07 | 0.0020512 | 4.58 | 5654.801 | 0.01 | 117.1156 | 0.49 | 0.0000000 | 0.00 | 0.6303831 | 9.65 |
| 17D42492 | 17.9 % | ✓ 0.5257872 | 0.40 | 0.0000000 | 0.00 | 0.0006612 | 5.87 | 0.0000000 | 0.00 | 2.446017 | 5.87 | 0.0982696 | 0.40 | 0.0000000 | 0.00 | 9.82326 | 0.12 | 0.0004403 | 11.28 | 0.0000000 | 0.00 | 813.3862 | 0.07 | 0.0015716 | 5.94 | 4425.418 | 0.02 | 155.3701 | 0.46 | 0.0000000 | 0.00 | 0.4937254 | 9.65 |
| 17D42494 | 18.5 % | ✓ 0.1539117 | 0.73 | 0.0000000 | 0.00 | 0.0004175 | 8.86 | 0.0000019 | 191.05 | 1.544599 | 8.86 | 0.0287661 | 0.73 | 0.0000000 | 0.00 | 5.45159 | 0.12 | 0.0002780 | 13.09 | 0.0138219 | 191.05 | 451.4024 | 0.07 | 0.0009924 | 8.91 | 2455.866 | 0.02 | 45.4809 | 0.76 | 0.0000000 | 0.00 | 0.2740013 | 9.65 |
| Σ | | 4.3037877 | 0.16 | 0.0000000 | 0.00 | 0.0080066 | 2.55 | 0.0000771 | 17.09 | 29.621129 | 2.55 | 0.8043779 | 0.16 | 0.0000000 | 0.00 | 117.89304 | 0.03 | 0.0053318 | 3.83 | 0.5510925 | 17.08 | 9761.7819 | 0.02 | 0.0190316 | 2.56 | 53072.244 | 0.01 | 1271.7693 | 0.17 | 0.0000000 | 0.00 | 5.9254016 | 2.84 |
| Σ | | | | | | | 4.3118714 | 0.16 | 29.621129 | 2.55 | | | | | | | | | | 119.25384 | 0.09 | | | 9761.8010 | 0.02 | | | | | | | 54349.939 | 0.01 |

| Additional Parameters | | 40Ar/39Ar | 1σ | 37Ar/39Ar | 1σ | 36Ar/39Ar | 1σ | Time (days) | 37Ar (decay) | 39Ar (decay) | 40Ar (moles) |
|-----------------------|--------|------------|----------|-----------|----------|-----------|----------|-------------|--------------|--------------|--------------|
| 17D42456 | 1.8 % | 5.553490 | 0.731165 | 0.215510 | 0.202928 | 0.011897 | 0.001523 | 86.053 | 5.485982 | 1.00060826 | 1.821E-13 |
| 17D42458 | 2.0 % | 4.939202 | 0.480398 | 0.016142 | 0.141559 | 0.006667 | 0.000885 | 86.072 | 5.487939 | 1.00060839 | 2.354E-13 |
| 17D42460 | 2.2 % | 4.866464 | 0.378243 | 0.004264 | 0.113234 | 0.004078 | 0.000665 | 86.086 | 5.489520 | 1.00060849 | 2.944E-13 |
| 17D42462 | 2.4 % | 5.744059 | 0.607198 | 0.055399 | 0.171469 | 0.004716 | 0.000995 | 86.100 | 5.491026 | 1.00060859 | 2.296E-13 |
| 17D42463 | 2.7 % | 5.825849 | 0.196716 | 0.057564 | 0.055314 | 0.002832 | 0.000313 | 86.107 | 5.491780 | 1.00060864 | 7.248E-13 |
| 17D42464 | 3.0 % | 6.461705 | 0.338228 | 0.066570 | 0.093560 | 0.003323 | 0.000511 | 86.114 | 5.492533 | 1.00060869 | 4.891E-13 |
| 17D42466 | 3.4 % | 15.940623 | 0.286381 | 0.019583 | 0.039925 | 0.035726 | 0.000666 | 86.128 | 5.494040 | 1.00060878 | 2.662E-12 |
| 17D42467 | 3.8 % | 6.038353 | 0.076066 | 0.013276 | 0.021338 | 0.001230 | 0.000118 | 86.135 | 5.494794 | 1.00060883 | 1.974E-12 |
| 17D42468 | 4.2 % | 5.798456 | 0.051817 | 0.027583 | 0.014471 | 0.000532 | 0.000080 | 86.142 | 5.495547 | 1.00060888 | 2.736E-12 |
| 17D42470 | 4.6 % | 5.728590 | 0.031892 | 0.004676 | 0.008829 | 0.000565 | 0.000049 | 86.156 | 5.497055 | 1.00060898 | 4.401E-12 |
| 17D42471 | 5.2 % | 5.591630 | 0.021325 | 0.003597 | 0.005706 | 0.000319 | 0.000033 | 86.162 | 5.497809 | 1.00060903 | 6.431E-12 |
| 17D42472 | 5.8 % | 5.518482 | 0.010442 | 0.003913 | 0.002739 | 0.000177 | 0.000015 | 86.169 | 5.498563 | 1.00060908 | 1.376E-11 |
| 17D42474 | 6.5 % | ✓ 5.546352 | 0.010084 | 0.003750 | 0.002776 | 0.000349 | 0.000015 | 86.183 | 5.500072 | 1.00060918 | 1.446E-11 |
| 17D42475 | 7.2 % | ✓ 5.480768 | 0.007335 | 0.001292 | 0.001755 | 0.000146 | 0.000010 | 86.191 | 5.500902 | 1.00060923 | 2.137E-11 |
| 17D42476 | 8.0 % | ✓ 5.472397 | 0.005950 | 0.001931 | 0.001264 | 0.000124 | 0.000007 | 86.198 | 5.501657 | 1.00060928 | 2.955E-11 |
| 17D42478 | 8.9 % | ✓ 5.465105 | 0.005012 | 0.003577 | 0.000891 | 0.000106 | 0.000005 | 86.212 | 5.503166 | 1.00060938 | 4.238E-11 |
| 17D42479 | 9.7 % | ✓ 5.467733 | 0.004505 | 0.003061 | 0.000639 | 0.000121 | 0.000004 | 86.219 | 5.503921 | 1.00060943 | 6.095E-11 |
| 17D42480 | 10.6 % | ✓ 5.469864 | 0.004163 | 0.003547 | 0.000403 | 0.000145 | 0.000002 | 86.226 | 5.504676 | 1.00060948 | 9.850E-11 |
| 17D42482 | 11.3 % | ✓ 5.851111 | 0.004308 | 0.003302 | 0.000251 | 0.001432 | 0.000005 | 86.240 | 5.506186 | 1.00060957 | 1.559E-10 |
| 17D42483 | 12.0 % | ✓ 5.506425 | 0.004019 | 0.003160 | 0.000203 | 0.000237 | 0.000002 | 86.247 | 5.506942 | 1.00060962 | 1.854E-10 |
| 17D42484 | 12.8 % | ✓ 5.506307 | 0.003993 | 0.003013 | 0.000159 | 0.000257 | 0.000001 | 86.253 | 5.507697 | 1.00060967 | 2.278E-10 |
| 17D42486 | 13.5 % | ✓ 5.563308 | 0.004019 | 0.002770 | 0.000130 | 0.000440 | 0.000002 | 86.267 | 5.509208 | 1.00060977 | 2.984E-10 |
| 17D42487 | 14.4 % | ✓ 5.527424 | 0.003982 | 0.003091 | 0.000115 | 0.000302 | 0.000001 | 86.274 | 5.509964 | 1.00060982 | 3.392E-10 |
| 17D42488 | 15.3 % | ✓ 5.576107 | 0.004044 | 0.003201 | 0.000165 | 0.000469 | 0.000002 | 86.281 | 5.510720 | 1.00060987 | 2.322E-10 |
| 17D42490 | 16.1 % | ✓ 5.576346 | 0.004037 | 0.002985 | 0.000147 | 0.000449 | 0.000002 | 86.296 | 5.512307 | 1.00060997 | 2.515E-10 |
| 17D42491 | 17.0 % | ✓ 5.558412 | 0.004016 | 0.003074 | 0.000138 | 0.000382 | 0.000002 | 86.303 | 5.513063 | 1.00061002 | 2.771E-10 |
| 17D42492 | 17.9 % | ✓ 5.632347 | 0.004091 | 0.003007 | 0.000176 | 0.000647 | 0.000003 | 86.310 | 5.513820 | 1.00061007 | 2.199E-10 |
| 17D42494 | 18.5 % | ✓ 5.541873 | 0.004142 | 0.003422 | 0.000303 | 0.000342 | 0.000002 | 86.324 | 5.515333 | 1.00061017 | 1.201E-10 |

| Procedure Blanks | | 36Ar ± 1σ (SE) [fA] | 37Ar ± 1σ (SE) [fA] | 38Ar ± 1σ (SE) [fA] | 39Ar ± 1σ (SE) [fA] | 40Ar ± 1σ (SE) [fA] |
|---------------------|--------|------------------------|------------------------|------------------------|------------------------|------------------------|
| 17D42456 | 1.8 % | 0.0069715 ± 0.0007058 | 0.0045279 ± 0.0180408 | 0.0195152 ± 0.0172109 | 0.0334672 ± 0.0540818 | 2.031850 ± 0.387373 |
| 17D42458 | 2.0 % | 0.0061079 ± 0.0007058 | 0.0080799 ± 0.0180408 | 0.0215507 ± 0.0172109 | 0.0056219 ± 0.0540818 | 1.652382 ± 0.387373 |
| 17D42460 | 2.2 % | 0.0055750 ± 0.0007058 | 0.0108944 ± 0.0180408 | 0.0211407 ± 0.0172109 | 0.0093568 ± 0.0540818 | 1.628557 ± 0.387373 |
| 17D42462 | 2.4 % | 0.0051966 ± 0.0007058 | 0.0134355 ± 0.0180408 | 0.0195433 ± 0.0172109 | 0.0375493 ± 0.0540818 | 1.703996 ± 0.387373 |
| 17D42463 | 2.7 % | 0.0050522 ± 0.0007058 | 0.0146302 ± 0.0180408 | 0.0184337 ± 0.0172109 | 0.0514808 ± 0.0540818 | 1.748447 ± 0.387373 |
| 17D42464 | 3.0 % | 0.0049362 ± 0.0007058 | 0.0157618 ± 0.0180408 | 0.0171816 ± 0.0172109 | 0.0632279 ± 0.0540818 | 1.785820 ± 0.387373 |
| 17D42466 | 3.4 % | 0.0047845 ± 0.0007058 | 0.0177999 ± 0.0180408 | 0.0144344 ± 0.0172109 | 0.0759396 ± 0.0540818 | 1.815521 ± 0.387373 |
| 17D42467 | 3.8 % | 0.0047461 ± 0.0007058 | 0.0186892 ± 0.0180408 | 0.0130271 ± 0.0172109 | 0.0756206 ± 0.0540818 | 1.800477 ± 0.387373 |
| 17D42468 | 4.2 % | 0.0047308 ± 0.0007058 | 0.0194809 ± 0.0180408 | 0.0116530 ± 0.0172109 | 0.0705499 ± 0.0540818 | 1.763611 ± 0.387373 |
| 17D42470 | 4.6 % | 0.0047634 ± 0.0007058 | 0.0207399 ± 0.0180408 | 0.0091611 ± 0.0172109 | 0.0472425 ± 0.0540818 | 1.629617 ± 0.387373 |
| 17D42471 | 5.2 % | 0.0048080 ± 0.0007058 | 0.0211921 ± 0.0180408 | 0.0081173 ± 0.0172109 | 0.0303812 ± 0.0540818 | 1.539626 ± 0.387373 |
| 17D42472 | 5.8 % | 0.0048690 ± 0.0007058 | 0.0215163 ± 0.0180408 | 0.0072549 ± 0.0172109 | 0.0115192 ± 0.0540818 | 1.442085 ± 0.387373 |
| 17D42474 | 6.5 % | 0.0050330 ± 0.0007058 | 0.0217538 ± 0.0180408 | 0.0062034 ± 0.0172109 | 0.0257999 ± 0.0540818 | 1.258578 ± 0.387373 |
| 17D42475 | 7.2 % | 0.0051425 ± 0.0007058 | 0.0216356 ± 0.0180408 | 0.0060779 ± 0.0172109 | 0.0413752 ± 0.0540818 | 1.189550 ± 0.387373 |
| 17D42476 | 8.0 % | 0.0052509 ± 0.0007058 | 0.0213660 ± 0.0180408 | 0.0062827 ± 0.0172109 | 0.0489712 ± 0.0540818 | 1.165357 ± 0.387373 |
| 17D42478 | 8.9 % | 0.0054840 ± 0.0007058 | 0.0203402 ± 0.0180408 | 0.0077076 ± 0.0172109 | 0.0332900 ± 0.0540818 | 1.292518 ± 0.387373 |
| 17D42479 | 9.7 % | 0.0056041 ± 0.0007058 | 0.0195731 ± 0.0180408 | 0.0089738 ± 0.0172109 | 0.0032525 ± 0.0540818 | 1.480389 ± 0.387373 |
| 17D42480 | 10.6 % | 0.0057233 ± 0.0007058 | 0.0186297 ± 0.0180408 | 0.0106371 ± 0.0172109 | 0.0466436 ± 0.0540818 | 1.778487 ± 0.387373 |
| 17D42482 | 11.3 % | 0.0059489 ± 0.0007058 | 0.0161952 ± 0.0180408 | 0.0152291 ± 0.0172109 | 0.2231883 ± 0.0540818 | 2.798346 ± 0.387373 |
| 17D42483 | 12.0 % | 0.0060500 ± 0.0007058 | 0.0146953 ± 0.0180408 | 0.0181901 ± 0.0172109 | 0.3592563 ± 0.0540818 | 3.571131 ± 0.387373 |
| 17D42484 | 12.8 % | 0.0061397 ± 0.0007058 | 0.0130017 ± 0.0180408 | 0.0216133 ± 0.0172109 | 0.5340215 ± 0.0540818 | 4.556193 ± 0.387373 |
| 17D42486 | 13.5 % | 0.0062734 ± 0.0007058 | 0.0090185 ± 0.0180408 | 0.0298926 ± 0.0172109 | 1.0221384 ± 0.0540818 | 7.285146 ± 0.387373 |
| 17D42487 | 14.4 % | 0.0063114 ± 0.0007058 | 0.0067222 ± 0.0180408 | 0.0347673 ± 0.0172109 | 1.3475686 ± 0.0540818 | 9.094571 ± 0.387373 |
| 17D42488 | 15.3 % | 0.0063262 ± 0.0007058 | 0.0042190 ± 0.0180408 | 0.0401419 ± 0.0172109 | 1.7358528 ± 0.0540818 | 11.247340 ± 0.387373 |
| 17D42490 | 16.1 % | 0.0062671 ± 0.0007058 | 0.0017233 ± 0.0180408 | 0.0530756 ± 0.0172109 | 2.7868081 ± 0.0540818 | 17.053888 ± 0.387373 |
| 17D42491 | 17.0 % | 0.0061892 ± 0.0007058 | 0.0048842 ± 0.0180408 | 0.0600241 ± 0.0172109 | 3.4150784 ± 0.0540818 | 20.516136 ± 0.387373 |
| 17D42492 | 17.9 % | 0.0060744 ± 0.0007058 | 0.0082613 ± 0.0180408 | 0.0674823 ± 0.0172109 | 4.1364828 ± 0.0540818 | 24.486185 ± 0.387373 |
| 17D42494 | 18.5 % | 0.0057204 ± 0.0007058 | 0.0156702 ± 0.0180408 | 0.0839185 ± 0.0172109 | 5.8919582 ± 0.0540818 | 34.130449 ± 0.387373 |

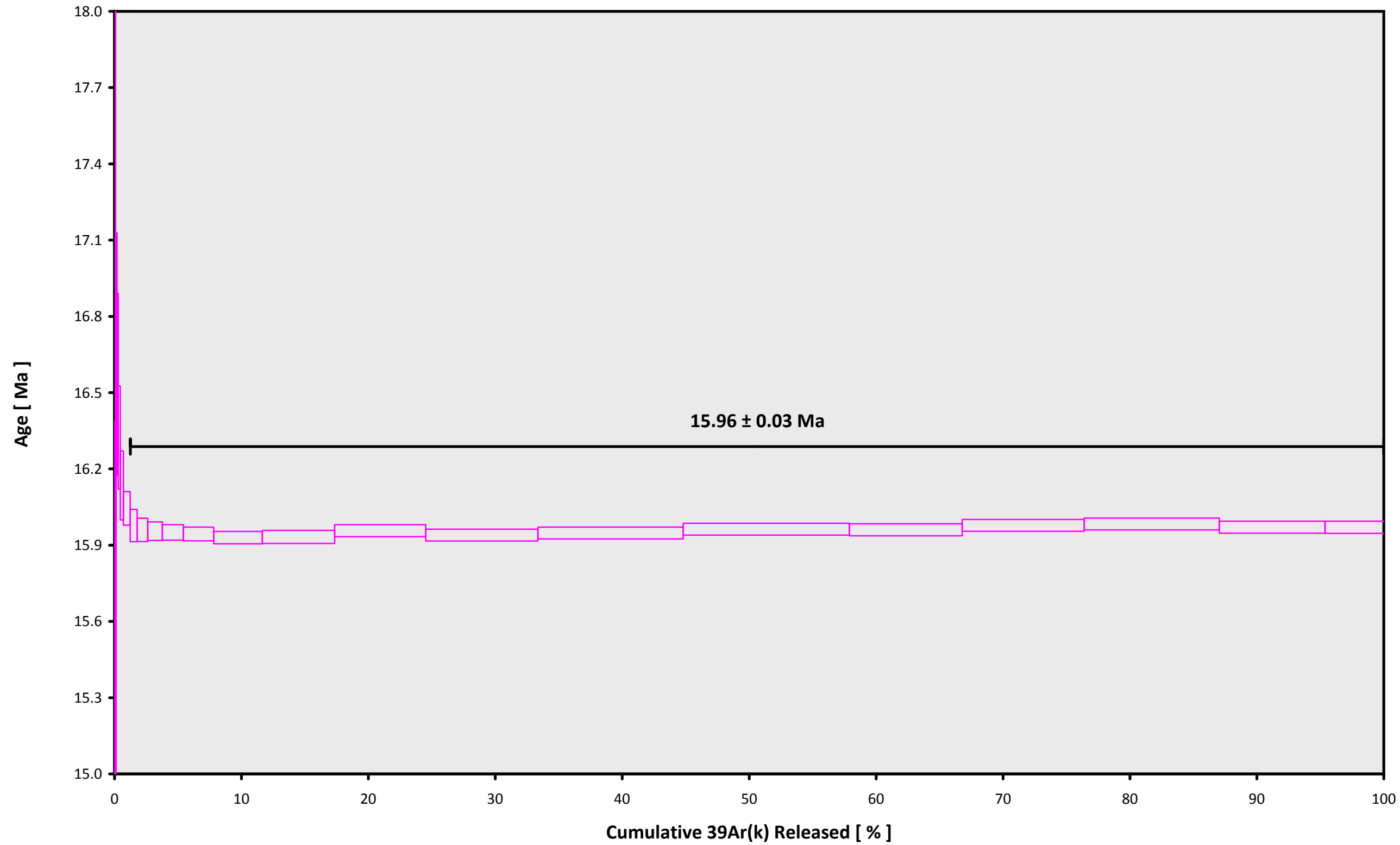
| Intercept Values | | 36Ar ± 1σ (SE) [fA] | r2 | Regression (type,n) | 37Ar ± 1σ (SE) [fA] | r2 | Regression (type,n) | 38Ar ± 1σ (SE) [fA] | r2 | Regression (type,n) | 39Ar ± 1σ (SE) [fA] | r2 | Regression (type,n) | 40Ar ± 1σ (SE) [fA] | r2 | Regression (type,n) |
|------------------|--------|-----------------------|--------|---------------------|-----------------------|--------|---------------------|------------------------|--------|---------------------|----------------------|--------|---------------------|---------------------|--------|---------------------|
| 17D42456 | 1.8 % | 0.0147064 ± 0.0002646 | 0.9413 | EXP 149 of 150 | 0.0308802 ± 0.0168958 | 0.0216 | EXP 150 of 150 | 0.0486710 ± 0.0158211 | 0.0094 | EXP 150 of 150 | 0.71197 ± 0.01552 | 0.3307 | EXP 150 of 150 | 5.8247 ± 0.0191 | 0.9995 | EXP 150 of 150 |
| 17D42458 | 2.0 % | 0.0124111 ± 0.0002729 | 0.9659 | EXP 150 of 150 | 0.0109491 ± 0.0175379 | 0.0005 | EXP 150 of 150 | 0.0989923 ± 0.0172270 | 0.0042 | EXP 150 of 150 | 0.98099 ± 0.01408 | 0.5366 | EXP 150 of 150 | 6.5575 ± 0.0184 | 0.9997 | EXP 150 of 150 |
| 17D42460 | 2.2 % | 0.0104683 ± 0.0003005 | 0.9732 | EXP 150 of 150 | 0.0099327 ± 0.0180759 | 0.0002 | EXP 150 of 150 | 0.1136864 ± 0.0143356 | 0.0115 | EXP 150 of 150 | 1.26162 ± 0.01676 | 0.4326 | EXP 150 of 150 | 7.7627 ± 0.0177 | 0.9998 | EXP 150 of 150 |
| 17D42462 | 2.4 % | 0.0089346 ± 0.0002435 | 0.9580 | EXP 150 of 150 | 0.0216864 ± 0.0180665 | 0.0033 | EXP 150 of 150 | 0.0557173 ± 0.0162038 | 0.0059 | EXP 150 of 150 | 0.86473 ± 0.01486 | 0.2855 | EXP 149 of 150 | 6.4866 ± 0.0190 | 0.9995 | EXP 150 of 150 |
| 17D42463 | 2.7 % | 0.0120406 ± 0.0002733 | 0.9843 | EXP 150 of 150 | 0.0413135 ± 0.0182100 | 0.0194 | EXP 150 of 150 | 0.1659330 ± 0.0159571 | 0.0099 | EXP 150 of 150 | 2.62630 ± 0.01601 | 0.2241 | EXP 150 of 150 | 16.8475 ± 0.0190 | 0.9998 | EXP 150 of 150 |
| 17D42464 | 3.0 % | 0.0099244 ± 0.0002406 | 0.9378 | EXP 149 of 150 | 0.0345347 ± 0.0192406 | 0.0016 | EXP 150 of 150 | 0.0601152 ± 0.0173291 | 0.0001 | EXP 150 of 150 | 1.62988 ± 0.01566 | 0.0316 | EXP 150 of 150 | 11.9756 ± 0.0162 | 0.9995 | EXP 150 of 150 |
| 17D42466 | 3.4 % | 0.1230953 ± 0.0006520 | 0.7494 | EXP 150 of 150 | 0.0299788 ± 0.0170591 | 0.0236 | EXP 150 of 150 | 0.1468113 ± 0.0177548 | 0.0024 | EXP 150 of 150 | 3.53188 ± 0.01830 | 0.0135 | EXP 150 of 150 | 57.2673 ± 0.0398 | 0.9984 | EXP 150 of 150 |
| 17D42467 | 3.8 % | 0.0127228 ± 0.0002887 | 0.9601 | EXP 150 of 150 | 0.0348561 ± 0.0186995 | 0.0178 | EXP 150 of 150 | 0.1364197 ± 0.0168600 | 0.0010 | EXP 150 of 150 | 6.84347 ± 0.01569 | 0.7315 | EXP 150 of 150 | 42.9356 ± 0.0211 | 0.9993 | EXP 150 of 150 |
| 17D42468 | 4.2 % | 0.0097068 ± 0.0002333 | 0.9414 | EXP 149 of 150 | 0.0289784 ± 0.0179102 | 0.0094 | EXP 150 of 150 | 0.1466907 ± 0.0166568 | 0.0013 | EXP 150 of 150 | 9.83584 ± 0.01501 | 0.9224 | EXP 150 of 150 | 58.7592 ± 0.0196 | 0.9984 | EXP 150 of 150 |
| 17D42470 | 4.6 % | 0.0133799 ± 0.0002452 | 0.9117 | EXP 149 of 150 | 0.0073656 ± 0.0176681 | 0.0024 | EXP 150 of 150 | 0.2161150 ± 0.0151462 | 0.0004 | EXP 150 of 150 | 15.94868 ± 0.01607 | 0.9702 | EXP 150 of 150 | 93.3209 ± 0.0195 | 0.9936 | EXP 150 of 150 |
| 17D42471 | 5.2 % | 0.0120927 ± 0.0002263 | 0.9218 | EXP 150 of 150 | 0.0057939 ± 0.0164663 | 0.0039 | EXP 149 of 150 | 0.2904638 ± 0.0168925 | 0.0002 | EXP 150 of 150 | 23.83328 ± 0.01638 | 0.9875 | EXP 150 of 150 | 135.5111 ± 0.0255 | 0.8004 | EXP 150 of 150 |
| 17D42472 | 5.8 % | 0.0136062 ± 0.0002395 | 0.9400 | EXP 150 of 150 | 0.0148046 ± 0.0179153 | 0.0008 | EXP 150 of 150 | 0.6591408 ± 0.0161046 | 0.0595 | EXP 150 of 150 | 51.63645 ± 0.01899 | 0.9965 | EXP 150 of 150 | 288.2050 ± 0.0295 | 0.9972 | EXP 150 of 150 |
| 17D42474 | 6.5 % | 0.0230877 ± 0.0002960 | 0.8839 | EXP 150 of 150 | 0.0146133 ± 0.0199773 | 0.0003 | EXP 150 of 150 | 0.6742032 ± 0.0165810 | 0.0429 | EXP 150 of 150 | 53.92419 ± 0.01901 | 0.9969 | EXP 150 of 150 | 302.4500 ± 0.0308 | 0.9978 | EXP 150 of 150 |
| 17D42475 | 7.2 % | 0.0164655 ± 0.0002678 | 0.9420 | EXP 150 of 150 | 0.0029012 ± 0.0179487 | 0.0149 | EXP 149 of 150 | 0.9944775 ± 0.0175350 | 0.0690 | EXP 150 of 150 | 80.65228 ± 0.02057 | 0.9984 | EXP 150 of 150 | 446.3583 ± 0.0385 | 0.9989 | EXP 150 of 150 |
| 17D42476 | 8.0 % | 0.0185470 ± 0.0002594 | 0.9565 | EXP 150 of 150 | 0.0174180 ± 0.0178627 | 0.0023 | EXP 150 of 150 | 1.3552810 ± 0.0167896 | 0.1768 | EXP 150 of 150 | 111.72961 ± 0.02109 | 0.9991 | EXP 150 of 150 | 616.8809 ± 0.0408 | 0.9995 | EXP 150 of 150 |
| 17D42478 | 8.9 % | 0.0217538 ± 0.0003150 | 0.9543 | EXP 150 of 150 | 0.0827852 ± 0.0182940 | 0.0001 | EXP 150 of 150 | 1.9272613 ± 0.0164930 | 0.1999 | EXP 150 of 150 | 160.46124 ± 0.02259 | 0.9995 | EXP 150 of 150 | 884.1746 ± 0.0480 | 0.9997 | EXP 150 of 150 |
| 17D42479 | 9.7 % | 0.0324343 ± 0.0003838 | 0.9571 | EXP 150 of 150 | 0.1073054 ± 0.0193866 | 0.0030 | EXP 150 of 150 | 2.7771420 ± 0.0163908 | 0.4528 | EXP 150 of 150 | 230.73096 ± 0.02944 | 0.9996 | EXP 150 of 150 | 1271.3622 ± 0.0610 | 0.9998 | EXP 150 of 150 |
| 17D42480 | 10.6 % | 0.0575937 ± 0.0004908 | 0.9633 | EXP 150 of 150 | 0.2188176 ± 0.0200774 | 0.0007 | EXP 150 of 150 | 4.4655470 ± 0.0164862 | 0.6841 | EXP 150 of 150 | 372.74904 ± 0.03544 | 0.9998 | EXP 150 of 150 | 2053.8041 ± 0.0718 | 0.9999 | EXP 150 of 150 |
| 17D42482 | 11.3 % | 0.7628305 ± 0.0014558 | 0.5406 | EXP 150 of 150 | 0.3107695 ± 0.0170034 | 0.0042 | EXP 150 of 150 | 6.7568135 ± 0.0162534 | 0.8236 | EXP 150 of 150 | 551.76687 ± 0.04010 | 0.9999 | EXP 150 of 150 | 3251.1444 ± 0.0963 | 0.9999 | EXP 150 of 150 |
| 17D42483 | 12.0 % | 0.1643868 ± 0.0007458 | 0.9626 | EXP 149 of 150 | 0.3806636 ± 0.0177624 | 0.0001 | EXP 150 of 150 | 8.3954106 ± 0.0168952 | 0.8691 | EXP 150 of 150 | 697.29327 ± 0.04313 | 0.9999 | EXP 150 of 150 | 3866.4004 ± 0.0972 | 1.0000 | EXP 150 of 150 |
| 17D42484 | 12.8 % | 0.2168936 ± 0.0007589 | 0.9725 | EXP 150 of 150 | 0.4501419 ± 0.0163729 | 0.0022 | EXP 150 of 150 | 10.2969305 ± 0.0153794 | 0.9217 | EXP 149 of 150 | 856.85149 ± 0.04257 | 0.9999 | EXP 150 of 150 | 4750.6831 ± 0.1245 | 0.9999 | EXP 150 of 150 |
| 17D42486 | 13.5 % | 0.4744442 ± 0.0012355 | 0.9160 | EXP 150 of 150 | 0.5427480 ± 0.0183704 | 0.0024 | EXP 150 of 150 | 13.3991366 ± 0.0174072 | 0.9422 | EXP 150 of 150 | 1111.09658 ± 0.05775 | 0.9999 | EXP 150 of 150 | 6223.5474 ± 0.1570 | 1.0000 | EXP 150 of 150 |
| 17D42487 | 14.4 % | 0.3733351 ± 0.0009662 | 0.9757 | EXP 150 of 150 | 0.6976058 ± 0.0187447 | 0.0019 | EXP 150 of 150 | 15.2925124 ± 0.0163159 | 0.9602 | EXP 150 of 150 | 1271.35946 ± 0.05151 | 1.0000 | EXP 150 of 150 | 7075.1132 ± 0.1519 | 1.0000 | EXP 150 of 150 |
| 17D42488 | 15.3 % | 0.3936543 ± 0.0009028 | 0.9408 | EXP 149 of 150 | 0.4906531 ± 0.0180126 | 0.0030 | EXP 150 of 150 | 10.4248701 ± 0.0168930 | 0.9086 | EXP 150 of 150 | 863.53876 ± 0.04553 | 0.9999 | EXP 150 of 150 | 4848.3274 ± 0.1146 | 1.0000 | EXP 150 of 150 |
| 17D42490 | 16.1 % | 0.4082368 ± 0.0010471 | 0.9274 | EXP 150 of 150 | 0.5015472 ± 0.0166466 | 0.0000 | EXP 150 of 150 | 11.3083338 ± 0.0164528 | 0.9338 | EXP 150 of 150 | 936.34505 ± 0.04733 | 0.9999 | EXP 150 of 150 | 5257.1037 ± 0.1288 | 1.0000 | EXP 150 of 150 |
| 17D42491 | 17.0 % | 0.3843154 ± 0.0009710 | 0.9610 | EXP 150 of 150 | 0.5736845 ± 0.0179661 | 0.0014 | EXP 150 of 150 | 12.4784403 ± 0.0170413 | 0.9362 | EXP 150 of 150 | 1035.16031 ± 0.04869 | 0.9999 | EXP 150 of 150 | 5793.0633 ± 0.1258 | 1.0000 | EXP 150 of 150 |
| 17D42492 | 17.9 % | 0.5072509 ± 0.0011673 | 0.8457 | EXP 150 of 150 | 0.4439923 ± 0.0180496 | 0.0009 | EXP 150 of 150 | 9.8346862 ± 0.0165124 | 0.9051 | EXP 150 of 150 | 812.21456 ± 0.04338 | 0.9999 | EXP 150 of 150 | 4605.7679 ± 0.1314 | 0.9999 | EXP 150 of 150 |
| 17D42494 | 18.5 % | 0.1526430 ± 0.0006696 | 0.9424 | EXP 150 of 150 | 0.2907481 ± 0.0163753 | 0.1112 | EXP 150 of 150 | 5.5131841 ± 0.0168596 | 0.7404 | EXP 150 of 150 | 454.34867 ± 0.03675 | 0.9998 | EXP 150 of 150 | 2535.7510 ± 0.0835 | 0.9999 | EXP 150 of 150 |

| Project Info | | Analyst | Irradiation | X-pos | Y-pos | Z/H-pos | Project | Experiment | Nmb |
|--------------|--------|-------------|-------------|-------|-------|---------|--------------------------|------------|-----|
| 17D42456 | 1.8 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 19.43 | Italy\ALS Global (17-25) | 17D42452 | 01 |
| 17D42458 | 2.0 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 19.43 | Italy\ALS Global (17-25) | 17D42452 | 01 |
| 17D42460 | 2.2 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 19.43 | Italy\ALS Global (17-25) | 17D42452 | 01 |
| 17D42462 | 2.4 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 19.43 | Italy\ALS Global (17-25) | 17D42452 | 01 |
| 17D42463 | 2.7 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 19.43 | Italy\ALS Global (17-25) | 17D42452 | 01 |
| 17D42464 | 3.0 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 19.43 | Italy\ALS Global (17-25) | 17D42452 | 01 |
| 17D42466 | 3.4 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 19.43 | Italy\ALS Global (17-25) | 17D42452 | 01 |
| 17D42467 | 3.8 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 19.43 | Italy\ALS Global (17-25) | 17D42452 | 01 |
| 17D42468 | 4.2 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 19.43 | Italy\ALS Global (17-25) | 17D42452 | 01 |
| 17D42470 | 4.6 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 19.43 | Italy\ALS Global (17-25) | 17D42452 | 01 |
| 17D42471 | 5.2 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 19.43 | Italy\ALS Global (17-25) | 17D42452 | 01 |
| 17D42472 | 5.8 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 19.43 | Italy\ALS Global (17-25) | 17D42452 | 01 |
| 17D42474 | 6.5 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 19.43 | Italy\ALS Global (17-25) | 17D42452 | 01 |
| 17D42475 | 7.2 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 19.43 | Italy\ALS Global (17-25) | 17D42452 | 01 |
| 17D42476 | 8.0 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 19.43 | Italy\ALS Global (17-25) | 17D42452 | 01 |
| 17D42478 | 8.9 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 19.43 | Italy\ALS Global (17-25) | 17D42452 | 01 |
| 17D42479 | 9.7 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 19.43 | Italy\ALS Global (17-25) | 17D42452 | 01 |
| 17D42480 | 10.6 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 19.43 | Italy\ALS Global (17-25) | 17D42452 | 01 |
| 17D42482 | 11.3 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 19.43 | Italy\ALS Global (17-25) | 17D42452 | 01 |
| 17D42483 | 12.0 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 19.43 | Italy\ALS Global (17-25) | 17D42452 | 01 |
| 17D42484 | 12.8 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 19.43 | Italy\ALS Global (17-25) | 17D42452 | 01 |
| 17D42486 | 13.5 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 19.43 | Italy\ALS Global (17-25) | 17D42452 | 01 |
| 17D42487 | 14.4 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 19.43 | Italy\ALS Global (17-25) | 17D42452 | 01 |
| 17D42488 | 15.3 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 19.43 | Italy\ALS Global (17-25) | 17D42452 | 01 |
| 17D42490 | 16.1 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 19.43 | Italy\ALS Global (17-25) | 17D42452 | 01 |
| 17D42491 | 17.0 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 19.43 | Italy\ALS Global (17-25) | 17D42452 | 01 |
| 17D42492 | 17.9 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 19.43 | Italy\ALS Global (17-25) | 17D42452 | 01 |
| 17D42494 | 18.5 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 19.43 | Italy\ALS Global (17-25) | 17D42452 | 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 |
|-------------------|--------|--------|----------|-------------------|------------------|------------------|-------|---------------------|--------------------|-------|------------|-------|---------------|------|-----------|-------|--------------|------------------------|-----|-------|------|------|-----|--------|
| 17D42456 | 1.8 % | 15-202 | Sanidine | San Pietro Island | FCT-NM (8A13-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.63972 | 0.086 | 0.00163048 | 0.086 | 302.674 | 0.17 | 0.9940668 | 0.072 | 1 | 4.8E-14 | 27 | DEC | 2017 | 16 | 39 | 1 |
| 17D42458 | 2.0 % | 15-202 | Sanidine | San Pietro Island | FCT-NM (8A13-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.63972 | 0.086 | 0.00163048 | 0.086 | 302.674 | 0.17 | 0.9940668 | 0.072 | 1 | 4.8E-14 | 27 | DEC | 2017 | 17 | 5 | 1 |
| 17D42460 | 2.2 % | 15-202 | Sanidine | San Pietro Island | FCT-NM (8A13-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.63972 | 0.086 | 0.00163048 | 0.086 | 302.674 | 0.17 | 0.9940668 | 0.072 | 1 | 4.8E-14 | 27 | DEC | 2017 | 17 | 26 | 1 |
| 17D42462 | 2.4 % | 15-202 | Sanidine | San Pietro Island | FCT-NM (8A13-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.63972 | 0.086 | 0.00163048 | 0.086 | 302.674 | 0.17 | 0.9940668 | 0.072 | 1 | 4.8E-14 | 27 | DEC | 2017 | 17 | 46 | 1 |
| 17D42463 | 2.7 % | 15-202 | Sanidine | San Pietro Island | FCT-NM (8A13-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.63972 | 0.086 | 0.00163048 | 0.086 | 302.674 | 0.17 | 0.9940668 | 0.072 | 1 | 4.8E-14 | 27 | DEC | 2017 | 17 | 56 | 1 |
| 17D42464 | 3.0 % | 15-202 | Sanidine | San Pietro Island | FCT-NM (8A13-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.63972 | 0.086 | 0.00163048 | 0.086 | 302.674 | 0.17 | 0.9940668 | 0.072 | 1 | 4.8E-14 | 27 | DEC | 2017 | 18 | 6 | 1 |
| 17D42466 | 3.4 % | 15-202 | Sanidine | San Pietro Island | FCT-NM (8A13-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.63972 | 0.086 | 0.00163048 | 0.086 | 302.674 | 0.17 | 0.9940668 | 0.072 | 1 | 4.8E-14 | 27 | DEC | 2017 | 18 | 26 | 1 |
| 17D42467 | 3.8 % | 15-202 | Sanidine | San Pietro Island | FCT-NM (8A13-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.63972 | 0.086 | 0.00163048 | 0.086 | 302.674 | 0.17 | 0.9940668 | 0.072 | 1 | 4.8E-14 | 27 | DEC | 2017 | 18 | 36 | 1 |
| 17D42468 | 4.2 % | 15-202 | Sanidine | San Pietro Island | FCT-NM (8A13-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.63972 | 0.086 | 0.00163048 | 0.086 | 302.674 | 0.17 | 0.9940668 | 0.072 | 1 | 4.8E-14 | 27 | DEC | 2017 | 18 | 46 | 1 |
| 17D42470 | 4.6 % | 15-202 | Sanidine | San Pietro Island | FCT-NM (8A13-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.63972 | 0.086 | 0.00163048 | 0.086 | 302.674 | 0.17 | 0.9940668 | 0.072 | 1 | 4.8E-14 | 27 | DEC | 2017 | 19 | 6 | 1 |
| 17D42471 | 5.2 % | 15-202 | Sanidine | San Pietro Island | FCT-NM (8A13-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.63972 | 0.086 | 0.00163048 | 0.086 | 302.674 | 0.17 | 0.9940668 | 0.072 | 1 | 4.8E-14 | 27 | DEC | 2017 | 19 | 16 | 1 |
| 17D42472 | 5.8 % | 15-202 | Sanidine | San Pietro Island | FCT-NM (8A13-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.63972 | 0.086 | 0.00163048 | 0.086 | 302.674 | 0.17 | 0.9940668 | 0.072 | 1 | 4.8E-14 | 27 | DEC | 2017 | 19 | 26 | 1 |
| 17D42474 | 6.5 % | 15-202 | Sanidine | San Pietro Island | FCT-NM (8A13-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.63972 | 0.086 | 0.00163048 | 0.086 | 302.674 | 0.17 | 0.9940668 | 0.072 | 1 | 4.8E-14 | 27 | DEC | 2017 | 19 | 46 | 1 |
| 17D42475 | 7.2 % | 15-202 | Sanidine | San Pietro Island | FCT-NM (8A13-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.63972 | 0.086 | 0.00163048 | 0.086 | 302.674 | 0.17 | 0.9940668 | 0.072 | 1 | 4.8E-14 | 27 | DEC | 2017 | 19 | 57 | 1 |
| 17D42476 | 8.0 % | 15-202 | Sanidine | San Pietro Island | FCT-NM (8A13-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.63972 | 0.086 | 0.00163048 | 0.086 | 302.674 | 0.17 | 0.9940668 | 0.072 | 1 | 4.8E-14 | 27 | DEC | 2017 | 20 | 7 | 1 |
| 17D42478 | 8.9 % | 15-202 | Sanidine | San Pietro Island | FCT-NM (8A13-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.63972 | 0.086 | 0.00163048 | 0.086 | 302.674 | 0.17 | 0.9940668 | 0.072 | 1 | 4.8E-14 | 27 | DEC | 2017 | 20 | 27 | 1 |
| 17D42479 | 9.7 % | 15-202 | Sanidine | San Pietro Island | FCT-NM (8A13-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.63972 | 0.086 | 0.00163048 | 0.086 | 302.674 | 0.17 | 0.9940668 | 0.072 | 1 | 4.8E-14 | 27 | DEC | 2017 | 20 | 37 | 1 |
| 17D42480 | 10.6 % | 15-202 | Sanidine | San Pietro Island | FCT-NM (8A13-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.63972 | 0.086 | 0.00163048 | 0.086 | 302.674 | 0.17 | 0.9940668 | 0.072 | 1 | 4.8E-14 | 27 | DEC | 2017 | 20 | 47 | 1 |
| 17D42482 | 11.3 % | 15-202 | Sanidine | San Pietro Island | FCT-NM (8A13-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.63972 | 0.086 | 0.00163048 | 0.086 | 302.674 | 0.17 | 0.9940668 | 0.072 | 1 | 4.8E-14 | 27 | DEC | 2017 | 21 | 7 | 1 |
| 17D42483 | 12.0 % | 15-202 | Sanidine | San Pietro Island | FCT-NM (8A13-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.63972 | 0.086 | 0.00163048 | 0.086 | 302.674 | 0.17 | 0.9940668 | 0.072 | 1 | 4.8E-14 | 27 | DEC | 2017 | 21 | 17 | 1 |
| 17D42484 | 12.8 % | 15-202 | Sanidine | San Pietro Island | FCT-NM (8A13-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.63972 | 0.086 | 0.00163048 | 0.086 | 302.674 | 0.17 | 0.9940668 | 0.072 | 1 | 4.8E-14 | 27 | DEC | 2017 | 21 | 27 | 1 |
| 17D42486 | 13.5 % | 15-202 | Sanidine | San Pietro Island | FCT-NM (8A13-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.63972 | 0.086 | 0.00163048 | 0.086 | 302.674 | 0.17 | 0.9940668 | 0.072 | 1 | 4.8E-14 | 27 | DEC | 2017 | 21 | 47 | 1 |
| 17D42487 | 14.4 % | 15-202 | Sanidine | San Pietro Island | FCT-NM (8A13-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.63972 | 0.086 | 0.00163048 | 0.086 | 302.674 | 0.17 | 0.9940668 | 0.072 | 1 | 4.8E-14 | 27 | DEC | 2017 | 21 | 57 | 1 |
| 17D42488 | 15.3 % | 15-202 | Sanidine | San Pietro Island | FCT-NM (8A13-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.63972 | 0.086 | 0.00163048 | 0.086 | 302.674 | 0.17 | 0.9940668 | 0.072 | 1 | 4.8E-14 | 27 | DEC | 2017 | 22 | 7 | 1 |
| 17D42490 | 16.1 % | 15-202 | Sanidine | San Pietro Island | FCT-NM (8A13-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.63972 | 0.086 | 0.00163048 | 0.086 | 302.674 | 0.17 | 0.9940668 | 0.072 | 1 | 4.8E-14 | 27 | DEC | 2017 | 22 | 28 | 1 |
| 17D42491 | 17.0 % | 15-202 | Sanidine | San Pietro Island | FCT-NM (8A13-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.63972 | 0.086 | 0.00163048 | 0.086 | 302.674 | 0.17 | 0.9940668 | 0.072 | 1 | 4.8E-14 | 27 | DEC | 2017 | 22 | 38 | 1 |
| 17D42492 | 17.9 % | 15-202 | Sanidine | San Pietro Island | FCT-NM (8A13-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.63972 | 0.086 | 0.00163048 | 0.086 | 302.674 | 0.17 | 0.9940668 | 0.072 | 1 | 4.8E-14 | 27 | DEC | 2017 | 22 | 48 | 1 |
| 17D42494 | 18.5 % | 15-202 | Sanidine | San Pietro Island | FCT-NM (8A13-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.63972 | 0.086 | 0.00163048 | 0.086 | 302.674 | 0.17 | 0.9940668 | 0.072 | 1 | 4.8E-14 | 27 | DEC | 2017 | 23 | 8 | 1 |

| Irradiation Constants | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|----------|-------|----------|-------|----------|--------|----------|-------|-----------|----------|-----------|---------|-----------|---------|----------|----------|----------|----------|-----------|-----|------|------|------|-----|-------|-----|---|
| | 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 | |
| 17D42456 | 1.8 % | 295.5 | 0.237 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000643 | 0.92 | 0.00018 | 9.63 | 0.00027 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 17D42458 | 2.0 % | 295.5 | 0.237 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000643 | 0.92 | 0.00018 | 9.63 | 0.00027 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 17D42460 | 2.2 % | 295.5 | 0.237 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000643 | 0.92 | 0.00018 | 9.63 | 0.00027 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 17D42462 | 2.4 % | 295.5 | 0.237 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000643 | 0.92 | 0.00018 | 9.63 | 0.00027 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 17D42463 | 2.7 % | 295.5 | 0.237 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000643 | 0.92 | 0.00018 | 9.63 | 0.00027 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 17D42464 | 3.0 % | 295.5 | 0.237 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000643 | 0.92 | 0.00018 | 9.63 | 0.00027 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 17D42466 | 3.4 % | 295.5 | 0.237 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000643 | 0.92 | 0.00018 | 9.63 | 0.00027 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 17D42467 | 3.8 % | 295.5 | 0.237 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000643 | 0.92 | 0.00018 | 9.63 | 0.00027 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 17D42468 | 4.2 % | 295.5 | 0.237 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000643 | 0.92 | 0.00018 | 9.63 | 0.00027 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 17D42470 | 4.6 % | 295.5 | 0.237 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000643 | 0.92 | 0.00018 | 9.63 | 0.00027 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 17D42471 | 5.2 % | 295.5 | 0.237 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000643 | 0.92 | 0.00018 | 9.63 | 0.00027 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 17D42472 | 5.8 % | 295.5 | 0.237 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000643 | 0.92 | 0.00018 | 9.63 | 0.00027 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 17D42474 | 6.5 % | 295.5 | 0.237 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000643 | 0.92 | 0.00018 | 9.63 | 0.00027 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 17D42475 | 7.2 % | 295.5 | 0.237 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000643 | 0.92 | 0.00018 | 9.63 | 0.00027 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 17D42476 | 8.0 % | 295.5 | 0.237 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000643 | 0.92 | 0.00018 | 9.63 | 0.00027 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 17D42478 | 8.9 % | 295.5 | 0.237 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000643 | 0.92 | 0.00018 | 9.63 | 0.00027 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 17D42479 | 9.7 % | 295.5 | 0.237 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000643 | 0.92 | 0.00018 | 9.63 | 0.00027 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 17D42480 | 10.6 % | 295.5 | 0.237 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000643 | 0.92 | 0.00018 | 9.63 | 0.00027 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 17D42482 | 11.3 % | 295.5 | 0.237 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000643 | 0.92 | 0.00018 | 9.63 | 0.00027 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 17D42483 | 12.0 % | 295.5 | 0.237 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000643 | 0.92 | 0.00018 | 9.63 | 0.00027 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 17D42484 | 12.8 % | 295.5 | 0.237 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000643 | 0.92 | 0.00018 | 9.63 | 0.00027 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 17D42486 | 13.5 % | 295.5 | 0.237 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000643 | 0.92 | 0.00018 | 9.63 | 0.00027 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 17D42487 | 14.4 % | 295.5 | 0.237 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000643 | 0.92 | 0.00018 | 9.63 | 0.00027 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 17D42488 | 15.3 % | 295.5 | 0.237 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000643 | 0.92 | 0.00018 | 9.63 | 0.00027 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 17D42490 | 16.1 % | 295.5 | 0.237 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000643 | 0.92 | 0.00018 | 9.63 | 0.00027 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 17D42491 | 17.0 % | 295.5 | 0.237 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000643 | 0.92 | 0.00018 | 9.63 | 0.00027 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 17D42492 | 17.9 % | 295.5 | 0.237 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000643 | 0.92 | 0.00018 | 9.63 | 0.00027 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 17D42494 | 18.5 % | 295.5 | 0.237 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000643 | 0.92 | 0.00018 | 9.63 | 0.00027 | 0.17 | 0.000607 | 9.65 | 0.012077 | 0.09 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |

17D42452.AGE >>> 15-202 >>> ITALY | ALS GLOBAL (17-25) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
15.96 ± 0.03

TOTAL FUSION
15.96 ± 0.03

NORMAL ISOCHRON
15.94 ± 0.03

INVERSE ISOCHRON
15.96 ± 0.03

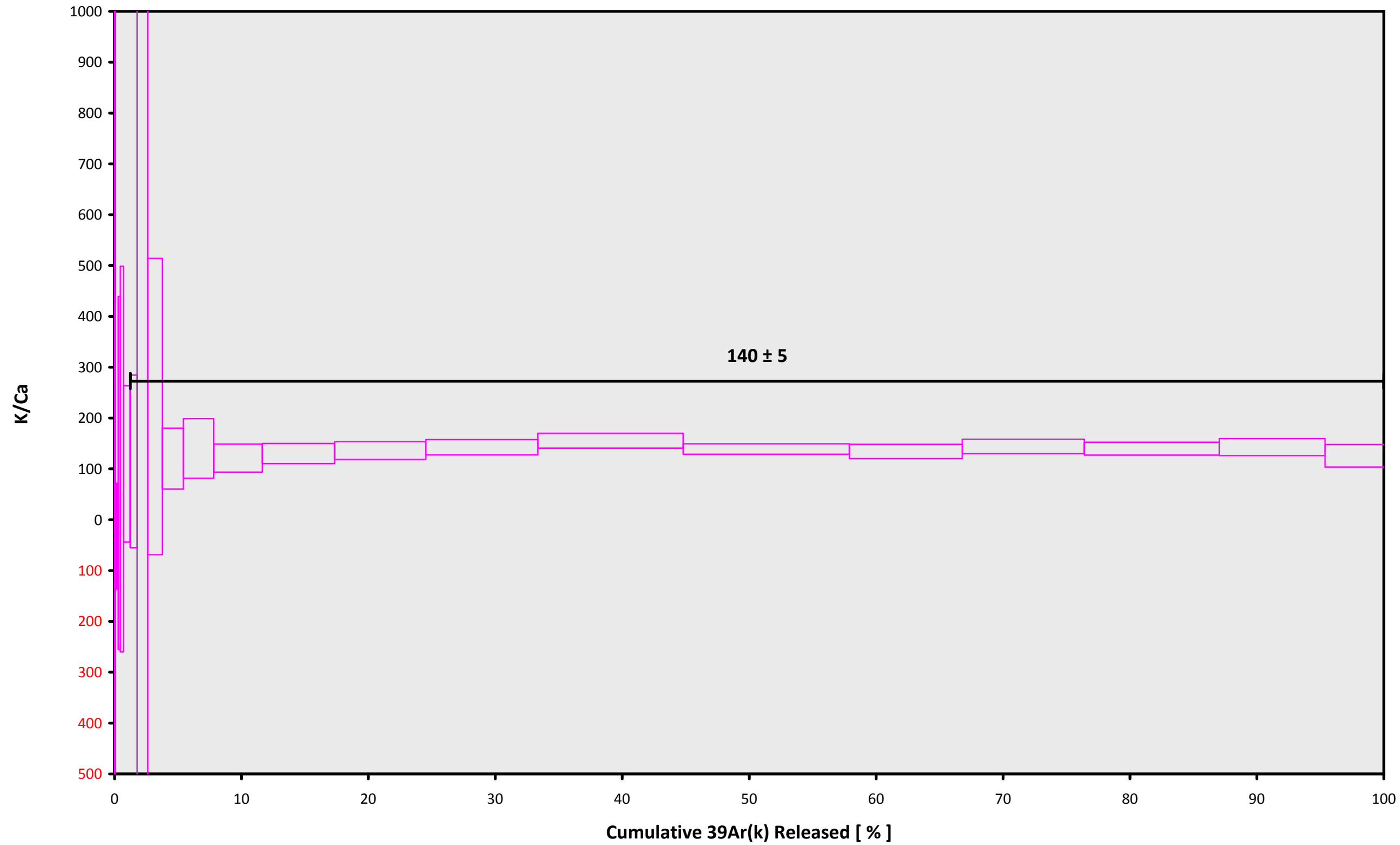
MSWD (PROBABILITY)
1.63 (6%)

Sample Info

Sanidine
San Pietro Island
Dan Miggins

IRR = 17-OSU-08 (8A13-17)
J = 0.00163048 ± 0.00000140

17D42452.AGE >>> 15-202 >>> ITALY | ALS GLOBAL (17-25) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
 15.96 ± 0.03

TOTAL FUSION
 15.96 ± 0.03

NORMAL ISOCHRON
 15.94 ± 0.03

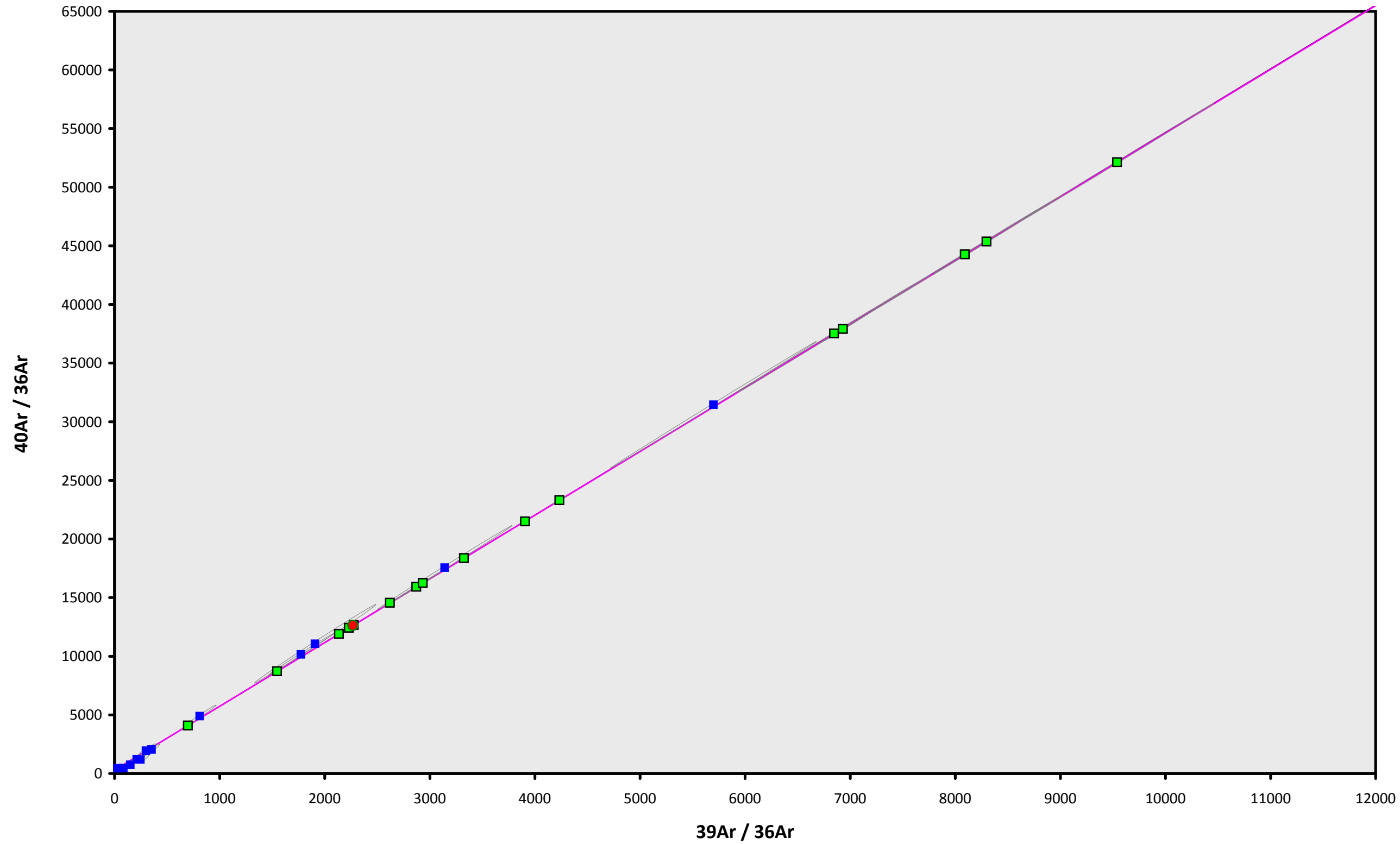
INVERSE ISOCHRON
 15.96 ± 0.03

Sample Info

Sanidine
San Pietro Island
Dan Miggins

IRR = 17-OSU-08 (8A13-17)
J = $0.00163048 \pm 0.00000140$

17D42452.AGE >>> 15-202 >>> ITALY | ALS GLOBAL (17-25) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
15.96 ± 0.03

TOTAL FUSION
15.96 ± 0.03

NORMAL ISOCHRON
15.94 ± 0.03

INVERSE ISOCHRON
15.96 ± 0.03

MSWD (PROBABILITY)
2.44 (0%)

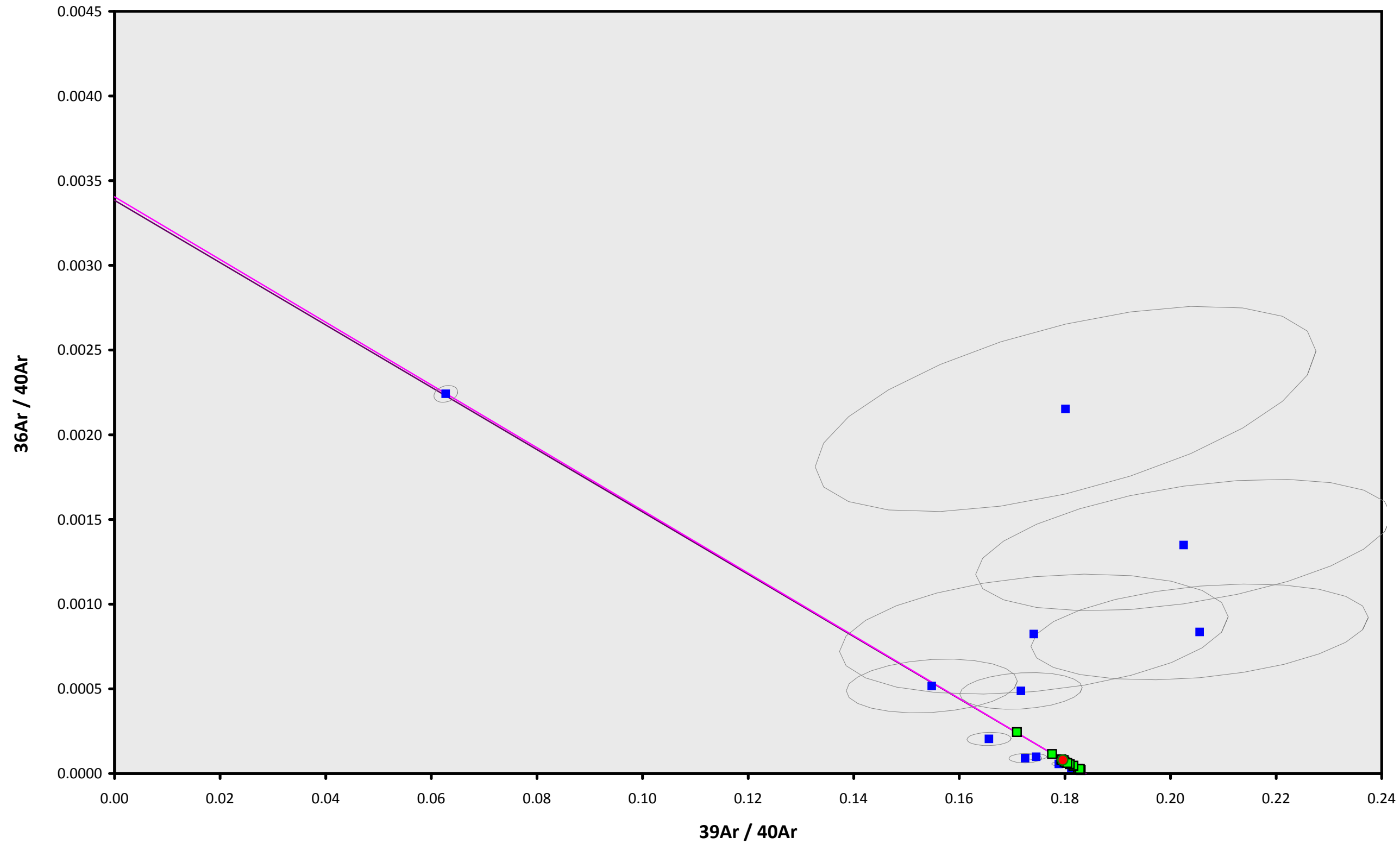
40AR/36AR INTERCEPT
302.4 ± 11.1

Sample Info

Sanidine
San Pietro Island
Dan Miggins

IRR = 17-OSU-08 (8A13-17)
J = 0.00163048 ± 0.00000140

17D42452.AGE >>> 15-202 >>> ITALY | ALS GLOBAL (17-25) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
15.96 ± 0.03

TOTAL FUSION
15.96 ± 0.03

NORMAL ISOCHRON
15.94 ± 0.03

INVERSE ISOCHRON
15.96 ± 0.03

MSWD (PROBABILITY)
1.74 (4%)

SPREADING FACTOR
6.6%

40AR/36AR INTERCEPT
293.7 ± 9.4

Sample Info

Sanidine
San Pietro Island
Dan Miggins

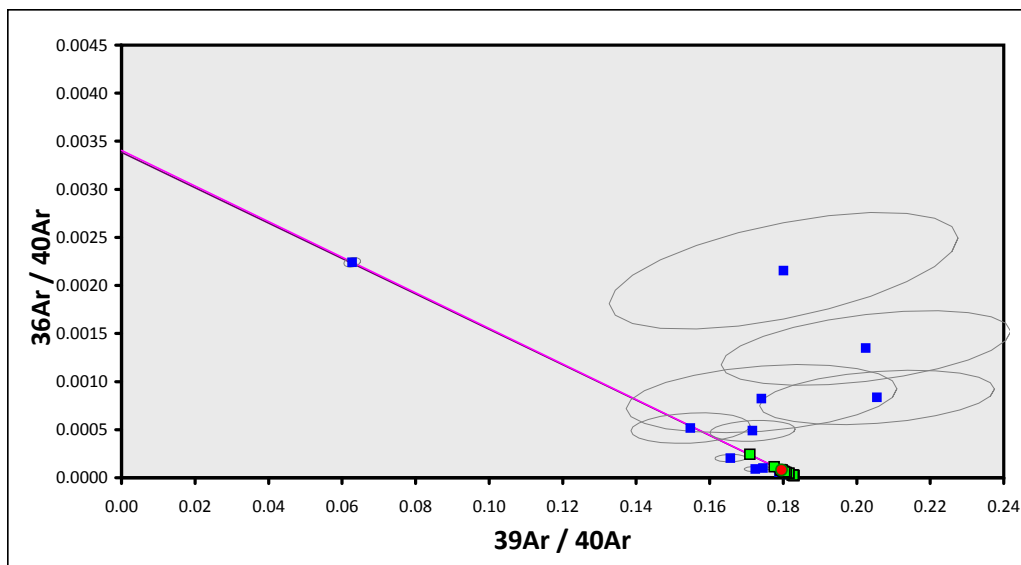
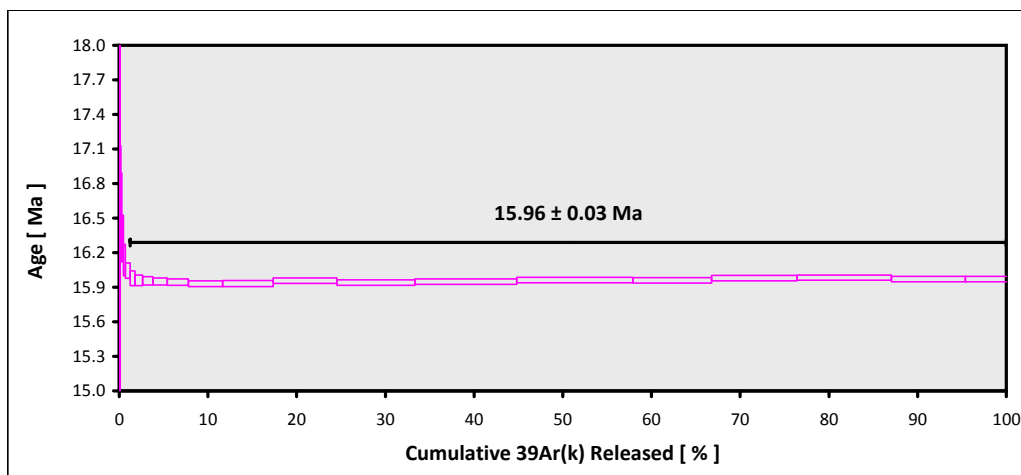
IRR = 17-OSU-08 (8A13-17)
J = 0.00163048 ± 0.00000140

EXP#17D42452 > 15-202 > Sanidine > ALS GLOBAL (17-25)
SW SARDINIA > SAN PIETRO ISLAND
17-OSU-08 (8A13-17) > Incremental Heating > Dan Miggins

**Information on Analysis
 and Constants Used in Calculations**

Project = ALS GLOBAL (17-25)
 Sample = 15-202
 Material = Sanidine
 Location = San Pietro Island
 Region = SW Sardinia
 Analyst = Dan Miggins
 Irradiation = 17-OSU-08 (8A13-17)
 Position = X: 0 | Y: 0 | Z/H: 19.42676 mm
 FCT-NM Age = 28.201 ± 0.023 Ma
 FCT-NM Reference = Kuiper et al (2008)
 FCT-NM 40Ar/39Ar Ratio = 9.63972 ± 0.00829
 FCT-NM J-value = 0.00163048 ± 0.00000140
 Air Shot 40Ar/36Ar = 302.6740 ± 0.5145
 Air Shot MDF = 0.99406682 ± 0.00071280 (LIN)
 Experiment Type = Incremental Heating
 Extraction Method = Bulk Laser Heating
 Heating = 77 sec
 Isolation = 3.00 min
 Instrument = ARGUS-VI-D
 Preferred Age = Plateau Age
 Age Classification = Eruption Age
 IGSN = Undefined
 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) = 295.50 ± 0.70
 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 | | 5.43599 ± 0.00285 ± 0.05% | 15.96 ± 0.03 ± 0.18% | 1.63 | 98.77 | 140 ± 5 |
| | | | Full External Error ± 0.36 | 6% | 16 | |
| | | | Analytical Error ± 0.01 | 1.73 | 2σ Confidence Limit | |
| | | | | 1.2754 | Error Magnification | |
| Total Fusion Age | | 5.43674 ± 0.00240 ± 0.04% | 15.96 ± 0.03 ± 0.18% | | 28 | 142 ± 7 |
| | | | Full External Error ± 0.36 | | | |
| | | | Analytical Error ± 0.01 | | | |
| Normal Isochron Error Chron | 302.38 ± 11.07 ± 3.66% | 5.43108 ± 0.00564 ± 0.10% | 15.94 ± 0.03 ± 0.20% | 2.44 | 98.77 | |
| | | | Full External Error ± 0.36 | 0% | 16 | |
| | | | Analytical Error ± 0.02 | 1.76 | 2σ Confidence Limit | |
| | | | | 1.5610 | Error Magnification | |
| Inverse Isochron | 293.70 ± 9.35 ± 3.18% | 5.43670 ± 0.00477 ± 0.09% | 15.96 ± 0.03 ± 0.19% | 1.74 | 98.77 | |
| | | | Full External Error ± 0.36 | 4% | 16 | |
| | | | Analytical Error ± 0.01 | 1.76 | 2σ Confidence Limit | |
| | | | | 1.3207 | Error Magnification | |
| | | | | 7% | Spreading Factor | |



| 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 |
|---------------------|--------|-----------|-------|-----------|-------|-----------|--------|-----------|-------|-----------|-------|-------------------|---------------|-------------|-------------|---------------|
| 17E28643 | 1.8 % | 0.0110273 | 4.241 | 17.9251 | 0.441 | 0.076461 | 12.279 | 6.0652 | 0.199 | 35.0420 | 0.120 | 5.48621 ± 0.05252 | 15.80 ± 0.15 | 94.78 | 0.50 | 0.145 ± 0.001 |
| 17E28645 | 1.9 % | 0.0100489 | 4.644 | 15.4744 | 0.497 | 0.062863 | 15.728 | 5.2081 | 0.231 | 30.7791 | 0.135 | 5.58704 ± 0.06119 | 16.09 ± 0.18 | 94.36 | 0.43 | 0.144 ± 0.002 |
| 17E28646 | 2.0 % | 0.0060686 | 7.657 | 14.2482 | 0.495 | 0.063448 | 14.881 | 4.7690 | 0.235 | 27.3972 | 0.152 | 5.61764 ± 0.06586 | 16.17 ± 0.19 | 97.60 | 0.39 | 0.144 ± 0.002 |
| 17E28647 | 2.2 % | 0.0064998 | 7.244 | 17.4557 | 0.443 | 0.073977 | 12.806 | 5.8550 | 0.200 | 33.3797 | 0.124 | 5.62132 ± 0.05462 | 16.18 ± 0.16 | 98.41 | 0.48 | 0.144 ± 0.001 |
| 17E28649 | 2.4 % | 0.0066007 | 6.738 | 18.4927 | 0.440 | 0.067330 | 13.826 | 6.2324 | 0.191 | 35.2299 | 0.119 | 5.58679 ± 0.04933 | 16.09 ± 0.14 | 98.65 | 0.51 | 0.145 ± 0.001 |
| 17E28650 | 2.7 % | 0.0125857 | 3.525 | 26.9095 | 0.368 | 0.110291 | 8.370 | 9.0022 | 0.134 | 51.8155 | 0.083 | 5.59160 ± 0.03421 | 16.10 ± 0.10 | 96.96 | 0.74 | 0.144 ± 0.001 |
| 17E28651 | 3.0 % | 0.0051631 | 8.358 | 17.5098 | 0.451 | 0.068017 | 14.206 | 5.8643 | 0.208 | 33.3457 | 0.125 | 5.67478 ± 0.05163 | 16.34 ± 0.15 | 99.61 | 0.48 | 0.144 ± 0.001 |
| 17E28653 | 3.2 % | 0.0093754 | 4.739 | 31.1645 | 0.354 | 0.132564 | 7.172 | 10.4193 | 0.129 | 58.9764 | 0.073 | 5.64354 ± 0.03038 | 16.25 ± 0.09 | 99.51 | 0.86 | 0.143 ± 0.001 |
| 17E28654 | 3.4 % | 0.0164303 | 2.789 | 24.6472 | 0.391 | 0.104001 | 9.274 | 8.2612 | 0.153 | 49.2406 | 0.085 | 5.62125 ± 0.03849 | 16.18 ± 0.11 | 94.13 | 0.68 | 0.144 ± 0.001 |
| 17E28655 | 3.6 % | 0.0094067 | 4.734 | 30.0286 | 0.358 | 0.119915 | 8.123 | 10.0689 | 0.134 | 56.8633 | 0.076 | 5.61972 ± 0.03147 | 16.18 ± 0.09 | 99.32 | 0.83 | 0.144 ± 0.001 |
| 17E28657 | 3.9 % | 0.0102817 | 4.453 | 31.9113 | 0.361 | 0.127216 | 6.715 | 10.7202 | 0.125 | 60.6167 | 0.071 | 5.61893 ± 0.03008 | 16.18 ± 0.09 | 99.18 | 0.88 | 0.144 ± 0.001 |
| 17E28658 | 4.2 % | 0.0219215 | 2.160 | 41.5052 | 0.338 | 0.171030 | 5.632 | 13.9738 | 0.104 | 81.5706 | 0.054 | 5.62118 ± 0.02415 | 16.18 ± 0.07 | 96.11 | 1.15 | 0.144 ± 0.001 |
| 17E28659 | 4.5 % | 0.0239310 | 1.960 | 77.3246 | 0.313 | 0.320572 | 3.058 | 25.9780 | 0.081 | 146.7440 | 0.030 | 5.62446 ± 0.01456 | 16.19 ± 0.04 | 99.38 | 2.14 | 0.144 ± 0.001 |
| 17E28661 | 4.8 % | 0.0258734 | 1.872 | 86.5938 | 0.313 | 0.363997 | 2.699 | 29.2230 | 0.076 | 164.7706 | 0.027 | 5.62353 ± 0.01352 | 16.19 ± 0.04 | 99.55 | 2.40 | 0.145 ± 0.001 |
| 17E28662 | 5.1 % | 0.0478196 | 1.068 | 66.0677 | 0.319 | 0.284169 | 3.497 | 22.2740 | 0.085 | 133.8111 | 0.033 | 5.62013 ± 0.01717 | 16.18 ± 0.05 | 93.37 | 1.83 | 0.145 ± 0.001 |
| 17E28663 | 5.4 % | 0.0222801 | 2.164 | 71.2921 | 0.315 | 0.312997 | 3.086 | 24.1355 | 0.082 | 135.8753 | 0.032 | 5.60288 ± 0.01550 | 16.13 ± 0.04 | 99.33 | 1.98 | 0.145 ± 0.001 |
| 17E28665 | 5.8 % | 0.0238813 | 2.089 | 79.1684 | 0.314 | 0.349846 | 2.603 | 26.8943 | 0.079 | 151.4829 | 0.029 | 5.61528 ± 0.01457 | 16.17 ± 0.04 | 99.51 | 2.21 | 0.146 ± 0.001 |
| 17E28666 | 6.2 % | 0.0345264 | 1.424 | 96.3547 | 0.311 | 0.415106 | 2.210 | 32.8276 | 0.075 | 187.0299 | 0.025 | 5.63101 ± 0.01266 | 16.21 ± 0.04 | 98.65 | 2.70 | 0.146 ± 0.001 |
| 17E28667 | 6.8 % | 0.0529767 | 1.070 | 130.2111 | 0.309 | 0.559973 | 1.738 | 44.3892 | 0.070 | 254.1430 | 0.018 | 5.61695 ± 0.01123 | 16.17 ± 0.03 | 97.92 | 3.65 | 0.146 ± 0.001 |
| 17E28669 | 7.4 % | 0.1204672 | 0.632 | 220.3759 | 0.306 | 0.932395 | 0.975 | 75.1397 | 0.066 | 439.2626 | 0.012 | 5.61642 ± 0.00979 | 16.17 ± 0.03 | 95.89 | 6.18 | 0.146 ± 0.001 |
| 17E28670 | 8.2 % | 0.0984742 | 0.680 | 208.1443 | 0.306 | 0.884766 | 1.084 | 71.7077 | 0.066 | 414.9824 | 0.012 | 5.62307 ± 0.00954 | 16.19 ± 0.03 | 96.98 | 5.89 | 0.148 ± 0.001 |
| 17E28671 | 9.1 % | 1.8747958 | 0.282 | 311.6328 | 0.305 | 1.641073 | 0.594 | 107.4123 | 0.065 | 1129.7252 | 0.006 | 5.60151 ± 0.03014 | 16.13 ± 0.09 | 53.16 | 8.83 | 0.148 ± 0.001 |
| 17E28673 | 10.1 % | 0.3031192 | 0.441 | 330.6549 | 0.305 | 1.450709 | 0.681 | 114.7187 | 0.064 | 714.3765 | 0.008 | 5.68655 ± 0.01025 | 16.37 ± 0.03 | 91.15 | 9.43 | 0.149 ± 0.001 |
| 17E28674 | 11.2 % | 0.3792083 | 0.379 | 336.3424 | 0.305 | 1.466051 | 0.664 | 116.9724 | 0.064 | 744.8038 | 0.007 | 5.64888 ± 0.01047 | 16.26 ± 0.03 | 88.55 | 9.62 | 0.149 ± 0.001 |
| 17E28675 | 12.3 % | 0.6308999 | 0.336 | 328.7189 | 0.305 | 1.514662 | 0.641 | 115.8340 | 0.065 | 814.3156 | 0.008 | 5.65693 ± 0.01323 | 16.29 ± 0.04 | 80.32 | 9.52 | 0.151 ± 0.001 |
| 17E28677 | 13.5 % | 0.6276940 | 0.337 | 275.0231 | 0.305 | 1.289732 | 0.781 | 96.8263 | 0.065 | 720.7470 | 0.008 | 5.76487 ± 0.01510 | 16.60 ± 0.04 | 77.30 | 7.96 | 0.151 ± 0.001 |
| 17E28678 | 14.8 % | 0.7131385 | 0.321 | 240.7445 | 0.306 | 1.162983 | 0.853 | 84.8631 | 0.065 | 680.7135 | 0.008 | 5.77461 ± 0.01779 | 16.62 ± 0.05 | 71.86 | 6.98 | 0.151 ± 0.001 |
| 17E28679 | 15.9 % | 0.2704870 | 0.454 | 134.1108 | 0.308 | 0.614558 | 1.618 | 46.8630 | 0.070 | 333.4558 | 0.015 | 5.64832 ± 0.01764 | 16.26 ± 0.05 | 79.23 | 3.85 | 0.150 ± 0.001 |
| 17E28681 | 17.0 % | 0.2822810 | 0.412 | 133.2020 | 0.308 | 0.583836 | 1.727 | 44.7158 | 0.070 | 325.4027 | 0.015 | 5.65987 ± 0.01753 | 16.30 ± 0.05 | 77.63 | 3.68 | 0.144 ± 0.001 |
| 17E28683 | 18.5 % | 0.2283750 | 0.453 | 116.7868 | 0.309 | 0.519542 | 1.760 | 39.3094 | 0.072 | 280.4298 | 0.017 | 5.66467 ± 0.01781 | 16.31 ± 0.05 | 79.25 | 3.23 | 0.144 ± 0.001 |
| | Σ | 5.8856384 | 0.126 | 3530.0206 | 0.076 | 15.844078 | 0.332 | 1216.5236 | 0.017 | 8326.3283 | 0.003 | | | | | |

Information on Analysis and Constants Used in Calculations

Project = **ALS GLOBAL (17-25)**
 Sample = **15-258**
 Material = **Plagioclase**
 Location = **San Pietro Island**
 Region = **SW Sardinia**
 Analyst = **Dan Miggins**
 Irradiation = **17-OSU-08 (8C23-17)**
 Position = **X: 0 | Y: 0 | Z/H: 35.75094 mm**
 FCT-NM Age = **28.201 ± 0.023 Ma**
 FCT-NM Reference = **Kuiper et al (2008)**
 FCT-NM 40Ar/39Ar Ratio = **9.82740 ± 0.00865**
 FCT-NM J-value = **0.00159934 ± 0.00000141**
 Air Shot 40Ar/36Ar = **305.6420 ± 0.2965**
 Air Shot MDF = **0.99169363 ± 0.00061976 (LIN)**
 Experiment Type = **Incremental Heating**
 Extraction Method = **Bulk Laser Heating**
 Heating = **54 sec**
 Isolation = **3.00 min**
 Instrument = **ARGUS-VI-E**
 Preferred Age = **Mini Plateau**
 Age Classification = **Eruption Age**
 IGSN = **13.4**
 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) = **295.50**
 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 | | 5.62023 ± 0.00437 ± 0.08% | 16.18 ± 0.03 ± 0.19% | 1.24 | 42.69 | 0.145 ± 0.001 |
| | | Full External Error ± 0.37 | | 1.73 | 16 | |
| | | Analytical Error ± 0.01 | | 1.1146 | 2σ Confidence Limit | Error Magnification |
| Total Fusion Age | | 5.65642 ± 0.00413 ± 0.07% | 16.29 ± 0.03 ± 0.19% | | 30 | 0.148 ± 0.000 |
| | | Full External Error ± 0.37 | | | | |
| | | Analytical Error ± 0.01 | | | | |
| Normal Isochron | 290.98 ± 6.70 ± 2.30% | 5.64184 ± 0.01268 ± 0.22% | 16.24 ± 0.05 ± 0.28% | 13.68 | 42.69 | |
| Error Chron | | Full External Error ± 0.37 | | 0% | 16 | |
| | | Analytical Error ± 0.04 | | 1.76 | 2σ Confidence Limit | Error Magnification |
| | | | | 3.6993 | 1 | Number of Iterations |
| | | | | 0.0000010418 | Convergence | |
| Inverse Isochron | 294.32 ± 2.03 ± 0.69% | 5.62110 ± 0.00456 ± 0.08% | 16.18 ± 0.03 ± 0.19% | 1.22 | 42.69 | |
| | | Full External Error ± 0.37 | | 25% | 16 | |
| | | Analytical Error ± 0.01 | | 1.76 | 2σ Confidence Limit | Error Magnification |
| | | | | 1.1031 | 2 | Number of Iterations |
| Notes | | | | 0.0000589546 | Convergence | |
| Slight excess argon | | | | 46% | 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 |
|---------------------|--------|-----------------|------------------|------------------|-----------------|-----------------|------------------|----------------|----------------|---------------|
| 17E28643 | 1.8 % | 0.0061821 | 17.9251 | 0.0000000 | 6.0536 | 33.2115 | 15.80 ± 0.15 | 94.78 | 0.50 | 0.145 ± 0.001 |
| 17E28645 | 1.9 % | 0.0058662 | 15.4744 | 0.0000000 | 5.1982 | 29.0425 | 16.09 ± 0.18 | 94.36 | 0.43 | 0.144 ± 0.002 |
| 17E28646 | 2.0 % | 0.0022169 | 14.2482 | 0.0029840 | 4.7599 | 26.7392 | 16.17 ± 0.19 | 97.60 | 0.39 | 0.144 ± 0.002 |
| 17E28647 | 2.2 % | 0.0017815 | 17.4557 | 0.0000000 | 5.8438 | 32.8497 | 16.18 ± 0.16 | 98.41 | 0.48 | 0.144 ± 0.001 |
| 17E28649 | 2.4 % | 0.0016022 | 18.4927 | 0.0000000 | 6.2205 | 34.7527 | 16.09 ± 0.14 | 98.65 | 0.51 | 0.145 ± 0.001 |
| 17E28650 | 2.7 % | 0.0053120 | 26.9095 | 0.0000000 | 8.9850 | 50.2403 | 16.10 ± 0.10 | 96.96 | 0.74 | 0.144 ± 0.001 |
| 17E28651 | 3.0 % | ✓ 0.0004302 | 17.5098 | 0.0000000 | 5.8531 | 33.2150 | 16.34 ± 0.15 | 99.61 | 0.48 | 0.144 ± 0.001 |
| 17E28653 | 3.2 % | ✓ 0.0009515 | 31.1645 | 0.0011840 | 10.3993 | 58.6889 | 16.25 ± 0.09 | 99.51 | 0.86 | 0.143 ± 0.001 |
| 17E28654 | 3.4 % | ✓ 0.0097682 | 24.6472 | 0.0000000 | 8.2453 | 46.3491 | 16.18 ± 0.11 | 94.13 | 0.68 | 0.144 ± 0.001 |
| 17E28655 | 3.6 % | ✓ 0.0012900 | 30.0286 | 0.0000000 | 10.0496 | 56.4760 | 16.18 ± 0.09 | 99.32 | 0.83 | 0.144 ± 0.001 |
| 17E28657 | 3.9 % | ✓ 0.0016561 | 31.9113 | 0.0000000 | 10.6997 | 60.1208 | 16.18 ± 0.09 | 99.18 | 0.88 | 0.144 ± 0.001 |
| 17E28658 | 4.2 % | ✓ 0.0107026 | 41.5052 | 0.0000000 | 13.9472 | 78.3995 | 16.18 ± 0.07 | 96.11 | 1.15 | 0.144 ± 0.001 |
| 17E28659 | 4.5 % | ✓ 0.0030301 | 77.3246 | 0.0000000 | 25.9283 | 145.8329 | 16.19 ± 0.04 | 99.38 | 2.14 | 0.144 ± 0.001 |
| 17E28661 | 4.8 % | ✓ 0.0024671 | 86.5938 | 0.0000000 | 29.1674 | 164.0238 | 16.19 ± 0.04 | 99.55 | 2.40 | 0.145 ± 0.001 |
| 17E28662 | 5.1 % | ✓ 0.0299616 | 66.0677 | 0.0000000 | 22.2315 | 124.9440 | 16.18 ± 0.05 | 93.37 | 1.83 | 0.145 ± 0.001 |
| 17E28663 | 5.4 % | ✓ 0.0030087 | 71.2921 | 0.0086708 | 24.0897 | 134.9716 | 16.13 ± 0.04 | 99.33 | 1.98 | 0.145 ± 0.001 |
| 17E28665 | 5.8 % | ✓ 0.0024806 | 79.1684 | 0.0109434 | 26.8435 | 150.7336 | 16.17 ± 0.04 | 99.51 | 2.21 | 0.146 ± 0.001 |
| 17E28666 | 6.2 % | ✓ 0.0084817 | 96.3547 | 0.0004658 | 32.7657 | 184.5037 | 16.21 ± 0.04 | 98.65 | 2.70 | 0.146 ± 0.001 |
| 17E28667 | 6.8 % | ✓ 0.0177806 | 130.2111 | 0.0000000 | 44.3055 | 248.8619 | 16.17 ± 0.03 | 97.92 | 3.65 | 0.146 ± 0.001 |
| 17E28669 | 7.4 % | ✓ 0.0608996 | 220.3759 | 0.0000000 | 74.9981 | 421.2213 | 16.17 ± 0.03 | 95.89 | 6.18 | 0.146 ± 0.001 |
| 17E28670 | 8.2 % | ✓ 0.0422128 | 208.1443 | 0.0000000 | 71.5739 | 402.4651 | 16.19 ± 0.03 | 96.98 | 5.89 | 0.148 ± 0.001 |
| 17E28671 | 9.1 % | ✓ 1.7905614 | 311.6328 | 0.0000000 | 107.2121 | 600.5492 | 16.13 ± 0.09 | 53.16 | 8.83 | 0.148 ± 0.001 |
| 17E28673 | 10.1 % | 0.2137432 | 330.6549 | 0.0000000 | 114.5062 | 651.1458 | 16.37 ± 0.03 | 91.15 | 9.43 | 0.149 ± 0.001 |
| 17E28674 | 11.2 % | 0.2882949 | 336.3424 | 0.0000000 | 116.7563 | 659.5418 | 16.26 ± 0.03 | 88.55 | 9.62 | 0.149 ± 0.001 |
| 17E28675 | 12.3 % | 0.5420472 | 328.7189 | 0.0000000 | 115.6228 | 654.0704 | 16.29 ± 0.04 | 80.32 | 9.52 | 0.151 ± 0.001 |
| 17E28677 | 13.5 % | 0.5533553 | 275.0231 | 0.0000000 | 96.6496 | 557.1718 | 16.60 ± 0.04 | 77.30 | 7.96 | 0.151 ± 0.001 |
| 17E28678 | 14.8 % | 0.6480653 | 240.7445 | 0.0000000 | 84.7085 | 489.1587 | 16.62 ± 0.05 | 71.86 | 6.98 | 0.151 ± 0.001 |
| 17E28679 | 15.9 % | 0.2342369 | 134.1108 | 0.0000000 | 46.7768 | 264.2104 | 16.26 ± 0.05 | 79.23 | 3.85 | 0.150 ± 0.001 |
| 17E28681 | 17.0 % | 0.2462765 | 133.2020 | 0.0000000 | 44.6302 | 252.6009 | 16.30 ± 0.05 | 77.63 | 3.68 | 0.144 ± 0.001 |
| 17E28683 | 18.5 % | 0.1968075 | 116.7868 | 0.0000000 | 39.2343 | 222.2494 | 16.31 ± 0.05 | 79.25 | 3.23 | 0.144 ± 0.001 |
| Σ | | 4.9314705 | 3530.0206 | 0.0242479 | 1214.2555 | 6868.3417 | | | | |

| Information on Analysis | Results | 40(r)/39(k) ± 2σ | Age ± 2σ (Ma) | MSWD | 39Ar(k) (%,n) | K/Ca ± 2σ |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------------------------|-------------------------|-------------|---------------------|---------------|
| Project = ALS GLOBAL (17-25) Sample = 15-258 Material = Plagioclase Location = San Pietro Island Region = SW Sardinia Analyst = Dan Miggins Irradiation = 17-OSU-08 (8C23-17) J = 0.00159934 ± 0.00000141 FCT-NM = 28.201 ± 0.023 Ma | Age Plateau | 5.62023 ± 0.00437 ± 0.08% | 16.18 ± 0.03 ± 0.19% | 1.24 23% | 42.69 16 | 0.145 ± 0.001 |
| | | Full External Error ± 0.37 | | 1.73 | 2σ Confidence Limit | |
| | | Analytical Error ± 0.01 | | 1.1146 | Error Magnification | |
| | Total Fusion Age | 5.65642 ± 0.00413 ± 0.07% | 16.29 ± 0.03 ± 0.19% | | 30 | 0.148 ± 0.000 |
| | | Full External Error ± 0.37 | | | | |
| | | Analytical Error ± 0.01 | | | | |

| Normal Isochron | | 39(k)/36(a) ± 2σ | 40(a+r)/36(a) ± 2σ | r.i. |
|-----------------|---------|---------------------|----------------------|--------|
| 17E28643 | 1.8 % | 979.21 ± 148.37 | 5667.68 ± 858.55 | 0.9995 |
| 17E28645 | 1.9 % | 886.12 ± 141.19 | 5246.31 ± 835.70 | 0.9994 |
| 17E28646 | 2.0 % | 2147.07 ± 900.97 | 12356.94 ± 5185.14 | 0.9999 |
| 17E28647 | 2.2 % | 3280.29 ± 1735.94 | 18735.03 ± 9914.48 | 1.0000 |
| 17E28649 | 2.4 % | 3882.54 ± 2158.77 | 21986.45 ± 12224.72 | 1.0000 |
| 17E28650 | 2.7 % | 1691.44 ± 283.16 | 9753.35 ± 1632.67 | 0.9998 |
| 17E28651 | 3.0 % ✓ | 13604.51 ± 27329.96 | 77498.15 ± 155685.02 | 1.0000 |
| 17E28653 | 3.2 % ✓ | 10929.42 ± 10234.84 | 61976.15 ± 58037.37 | 1.0000 |
| 17E28654 | 3.4 % ✓ | 844.10 ± 79.40 | 5040.39 ± 473.94 | 0.9993 |
| 17E28655 | 3.6 % ✓ | 7790.49 ± 5392.93 | 44075.86 ± 30511.17 | 1.0000 |
| 17E28657 | 3.9 % ✓ | 6460.74 ± 3582.50 | 36597.97 ± 20293.57 | 1.0000 |
| 17E28658 | 4.2 % ✓ | 1303.15 ± 115.80 | 7620.75 ± 677.07 | 0.9997 |
| 17E28659 | 4.5 % ✓ | 8556.87 ± 2682.33 | 48423.24 ± 15179.14 | 1.0000 |
| 17E28661 | 4.8 % ✓ | 11822.55 ± 4710.20 | 66779.98 ± 26605.52 | 1.0000 |
| 17E28662 | 5.1 % ✓ | 742.00 ± 25.54 | 4465.64 ± 153.54 | 0.9986 |
| 17E28663 | 5.4 % ✓ | 8006.81 ± 2592.71 | 45156.68 ± 14622.15 | 1.0000 |
| 17E28665 | 5.8 % ✓ | 10821.53 ± 4402.54 | 61061.44 ± 24841.55 | 1.0000 |
| 17E28666 | 6.2 % ✓ | 3863.12 ± 455.71 | 22048.76 ± 2600.76 | 0.9999 |
| 17E28667 | 6.8 % ✓ | 2491.79 ± 162.74 | 14291.76 ± 933.20 | 0.9998 |
| 17E28669 | 7.4 % ✓ | 1231.50 ± 31.96 | 7212.15 ± 186.91 | 0.9987 |
| 17E28670 | 8.2 % ✓ | 1695.55 ± 56.16 | 9829.70 ± 325.30 | 0.9992 |
| 17E28671 | 9.1 % ✓ | 59.88 ± 0.36 | 630.90 ± 3.73 | 0.9762 |
| 17E28673 | 10.1 % | 535.72 ± 6.92 | 3341.89 ± 42.92 | 0.9949 |
| 17E28674 | 11.2 % | 404.99 ± 4.16 | 2583.23 ± 26.36 | 0.9920 |
| 17E28675 | 12.3 % | 213.31 ± 1.71 | 1502.17 ± 11.88 | 0.9866 |
| 17E28677 | 13.5 % | 174.66 ± 1.37 | 1302.40 ± 10.05 | 0.9858 |
| 17E28678 | 14.8 % | 130.71 ± 0.94 | 1050.30 ± 7.45 | 0.9831 |
| 17E28679 | 15.9 % | 199.70 ± 2.13 | 1423.46 ± 15.02 | 0.9908 |
| 17E28681 | 17.0 % | 181.22 ± 1.74 | 1321.18 ± 12.56 | 0.9889 |
| 17E28683 | 18.5 % | 199.35 ± 2.13 | 1424.77 ± 15.07 | 0.9904 |

| Results | 40(a)/36(a) ± 2σ | 40(r)/39(k) ± 2σ | Age ± 2σ (Ma) | MSWD |
|-----------------|-----------------------|-------------------|----------------------------|-----------------|
| Normal Isochron | 290.98 ± 6.70 | 5.64184 ± 0.01268 | 16.24 ± 0.05 | 13.68 |
| Error Chron | ± 2.30% | ± 0.22% | ± 0.28% | 0% |
| | | | Full External Error ± 0.37 | |
| | | | Analytical Error ± 0.04 | |
| Statistics | 2σ Confidence Limit | 1.76 | Convergence | 0.000001041798 |
| | Error Magnification | 3.6993 | Number of Iterations | 1 |
| | Number of Data Points | 16 | Calculated Line | Weighted York-2 |

| Inverse Isochron | | 39(k)/40(a+r) ± 2σ | 36(a)/40(a+r) ± 2σ | r.i. |
|------------------|--------|-------------------------|-------------------------|--------|
| 17E28643 | 1.8 % | 0.1727719 ± 0.0008024 | 0.00017644 ± 0.00002673 | 0.0082 |
| 17E28645 | 1.9 % | 0.1689041 ± 0.0009046 | 0.00019061 ± 0.00003036 | 0.0085 |
| 17E28646 | 2.0 % | 0.1737539 ± 0.0009724 | 0.00008093 ± 0.00003396 | 0.0039 |
| 17E28647 | 2.2 % | 0.1750883 ± 0.0008267 | 0.00005338 ± 0.00002825 | 0.0025 |
| 17E28649 | 2.4 % | 0.1765879 ± 0.0007982 | 0.00004548 ± 0.00002529 | 0.0023 |
| 17E28650 | 2.7 % | 0.1734212 ± 0.0005458 | 0.00010253 ± 0.00001716 | 0.0052 |
| 17E28651 | 3.0 % | ✓ 0.1755462 ± 0.0008530 | 0.00001290 ± 0.00002592 | 0.0006 |
| 17E28653 | 3.2 % | ✓ 0.1763487 ± 0.0005238 | 0.00001614 ± 0.00001511 | 0.0008 |
| 17E28654 | 3.4 % | ✓ 0.1674670 ± 0.0005858 | 0.00019840 ± 0.00001866 | 0.0087 |
| 17E28655 | 3.6 % | ✓ 0.1767519 ± 0.0005446 | 0.00002269 ± 0.00001571 | 0.0011 |
| 17E28657 | 3.9 % | ✓ 0.1765327 ± 0.0005070 | 0.00002732 ± 0.00001515 | 0.0013 |
| 17E28658 | 4.2 % | ✓ 0.1710006 ± 0.0004019 | 0.00013122 ± 0.00001166 | 0.0055 |
| 17E28659 | 4.5 % | ✓ 0.1767099 ± 0.0003059 | 0.00002065 ± 0.00000647 | 0.0007 |
| 17E28661 | 4.8 % | ✓ 0.1770373 ± 0.0002876 | 0.00001497 ± 0.00000597 | 0.0004 |
| 17E28662 | 5.1 % | ✓ 0.1661577 ± 0.0003033 | 0.00022393 ± 0.00000770 | 0.0071 |
| 17E28663 | 5.4 % | ✓ 0.1773118 ± 0.0003120 | 0.00002215 ± 0.00000717 | 0.0007 |
| 17E28665 | 5.8 % | ✓ 0.1772236 ± 0.0002974 | 0.00001638 ± 0.00000666 | 0.0005 |
| 17E28666 | 6.2 % | ✓ 0.1752081 ± 0.0002759 | 0.00004535 ± 0.00000535 | 0.0013 |
| 17E28667 | 6.8 % | ✓ 0.1743516 ± 0.0002523 | 0.00006997 ± 0.00000457 | 0.0014 |
| 17E28669 | 7.4 % | ✓ 0.1707541 ± 0.0002295 | 0.00013865 ± 0.00000359 | 0.0016 |
| 17E28670 | 8.2 % | ✓ 0.1724927 ± 0.0002327 | 0.00010173 ± 0.00000337 | 0.0014 |
| 17E28671 | 9.1 % | ✓ 0.0949065 ± 0.0001248 | 0.00158504 ± 0.00000938 | 0.0019 |
| 17E28673 | 10.1 % | 0.1603040 ± 0.0002086 | 0.00029923 ± 0.00000384 | 0.0016 |
| 17E28674 | 11.2 % | 0.1567760 ± 0.0002039 | 0.00038711 ± 0.00000395 | 0.0017 |
| 17E28675 | 12.3 % | 0.1419999 ± 0.0001856 | 0.00066570 ± 0.00000526 | 0.0022 |
| 17E28677 | 13.5 % | 0.1341073 ± 0.0001761 | 0.00076781 ± 0.00000592 | 0.0024 |
| 17E28678 | 14.8 % | 0.1244501 ± 0.0001645 | 0.00095211 ± 0.00000676 | 0.0030 |
| 17E28679 | 15.9 % | 0.1402908 ± 0.0002016 | 0.00070251 ± 0.00000741 | 0.0061 |
| 17E28681 | 17.0 % | 0.1371651 ± 0.0001960 | 0.00075690 ± 0.00000720 | 0.0066 |
| 17E28683 | 18.5 % | 0.1399197 ± 0.0002061 | 0.00070187 ± 0.00000742 | 0.0070 |

| Results | 40(a)/36(a) ± 2σ | 40(r)/39(k) ± 2σ | Age ± 2σ (Ma) | MSWD |
|------------------|-----------------------------------------------------------------------------------------|-------------------------------|----------------------------------------------------------------------------------|--------------------------------------|
| Inverse Isochron | 294.32 ± 2.03 ± 0.69% | 5.62110 ± 0.00456 ± 0.08% | 16.18 ± 0.03 ± 0.19% Full External Error ± 0.37 Analytical Error ± 0.01 | 1.22 25% |
| Statistics | 2σ Confidence Limit Error Magnification Number of Data Points Spreading Factor | 1.76 1.1031 16 46.3% | Convergence Number of Iterations Calculated Line | 0.0000589546 2 Weighted York-2 |

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| Degassing Patterns | | 36Ar(a) | | 36Ar(c) | | 36Ar(ca) | | 36Ar(cl) | | 37Ar(ca) | | 38Ar(a) | | 38Ar(c) | | 38Ar(k) | | 38Ar(ca) | | 38Ar(cl) | | 39Ar(k) | | 39Ar(ca) | | 40Ar(r) | | 40Ar(a) | | 40Ar(c) | | 40Ar(k) | |
|--------------------|--------|-----------|--------|-----------|------|-----------|------|-----------|--------|-----------|------|-----------|--------|-----------|------|----------|------|-----------|------|-----------|--------|----------|------|-----------|------|----------|------|----------|--------|-----------|------|-----------|------|
| | | [fA] | %1σ | [fA] | %1σ | [fA] | %1σ | [fA] | %1σ | [fA] | %1σ | [fA] | %1σ | [fA] | %1σ | [fA] | %1σ | [fA] | %1σ | [fA] | %1σ | [fA] | %1σ | [fA] | %1σ | [fA] | %1σ | [fA] | %1σ | [fA] | %1σ | [fA] | %1σ |
| 17E28643 | 1.8 % | 0.0061821 | 7.57 | 0.0000000 | 0.00 | 0.0048452 | 0.47 | 0.0000000 | 0.00 | 17.9251 | 0.44 | 0.0011554 | 7.57 | 0.0000000 | 0.00 | 0.073110 | 0.22 | 0.0032265 | 9.64 | 0.0000000 | 0.00 | 6.0536 | 0.20 | 0.0115169 | 1.02 | 33.2115 | 0.44 | 1.8268 | 7.57 | 0.0000000 | 0.00 | 0.0036746 | 9.65 |
| 17E28645 | 1.9 % | 0.0058662 | 7.96 | 0.0000000 | 0.00 | 0.0041827 | 0.53 | 0.0000000 | 0.00 | 15.4744 | 0.50 | 0.0010964 | 7.96 | 0.0000000 | 0.00 | 0.062778 | 0.25 | 0.0027854 | 9.64 | 0.0000000 | 0.00 | 5.1982 | 0.23 | 0.0099423 | 1.05 | 29.0425 | 0.50 | 1.7335 | 7.96 | 0.0000000 | 0.00 | 0.0031553 | 9.65 |
| 17E28646 | 2.0 % | 0.0022169 | 20.98 | 0.0000000 | 0.00 | 0.0038513 | 0.52 | 0.0000004 | 316.59 | 14.2482 | 0.49 | 0.0004143 | 20.98 | 0.0000000 | 0.00 | 0.057485 | 0.25 | 0.0025647 | 9.64 | 0.0029840 | 316.59 | 4.7599 | 0.24 | 0.0091545 | 1.04 | 26.7392 | 0.54 | 0.6551 | 20.98 | 0.0000000 | 0.00 | 0.0028892 | 9.65 |
| 17E28647 | 2.2 % | 0.0017815 | 26.46 | 0.0000000 | 0.00 | 0.0047183 | 0.47 | 0.0000000 | 0.00 | 17.4557 | 0.44 | 0.0003330 | 26.46 | 0.0000000 | 0.00 | 0.070575 | 0.22 | 0.0031420 | 9.64 | 0.0000000 | 0.00 | 5.8438 | 0.20 | 0.0112153 | 1.02 | 32.8497 | 0.44 | 0.5264 | 26.46 | 0.0000000 | 0.00 | 0.0035472 | 9.65 |
| 17E28649 | 2.4 % | 0.0016022 | 27.80 | 0.0000000 | 0.00 | 0.0049986 | 0.47 | 0.0000000 | 0.00 | 18.4927 | 0.44 | 0.0002994 | 27.80 | 0.0000000 | 0.00 | 0.075125 | 0.21 | 0.0033287 | 9.64 | 0.0000000 | 0.00 | 6.2205 | 0.19 | 0.0118815 | 1.02 | 34.7527 | 0.40 | 0.4734 | 27.80 | 0.0000000 | 0.00 | 0.0037759 | 9.65 |
| 17E28650 | 2.7 % | 0.0053120 | 8.37 | 0.0000000 | 0.00 | 0.0072736 | 0.41 | 0.0000000 | 0.00 | 26.9095 | 0.37 | 0.0009928 | 8.37 | 0.0000000 | 0.00 | 0.108511 | 0.16 | 0.0048437 | 9.64 | 0.0000000 | 0.00 | 8.9850 | 0.13 | 0.0172894 | 0.99 | 50.2403 | 0.28 | 1.5697 | 8.37 | 0.0000000 | 0.00 | 0.0054539 | 9.65 |
| 17E28651 | 3.0 % | 0.0004302 | 100.44 | 0.0000000 | 0.00 | 0.0047329 | 0.48 | 0.0000000 | 0.00 | 17.5098 | 0.45 | 0.0000804 | 100.44 | 0.0000000 | 0.00 | 0.070688 | 0.23 | 0.0031518 | 9.64 | 0.0000000 | 0.00 | 5.8531 | 0.21 | 0.0112500 | 1.02 | 33.2150 | 0.40 | 0.1271 | 100.44 | 0.0000000 | 0.00 | 0.0035528 | 9.65 |
| 17E28653 | 3.2 % | 0.0009515 | 46.82 | 0.0000000 | 0.00 | 0.0084238 | 0.39 | 0.0000002 | 804.58 | 31.1645 | 0.35 | 0.0001778 | 46.82 | 0.0000000 | 0.00 | 0.125592 | 0.16 | 0.0056096 | 9.64 | 0.0011840 | 804.58 | 10.3993 | 0.13 | 0.0200232 | 0.99 | 58.6889 | 0.24 | 0.2812 | 46.82 | 0.0000000 | 0.00 | 0.0063124 | 9.65 |
| 17E28654 | 3.4 % | 0.0097682 | 4.70 | 0.0000000 | 0.00 | 0.0066621 | 0.43 | 0.0000000 | 0.00 | 24.6472 | 0.39 | 0.0018257 | 4.70 | 0.0000000 | 0.00 | 0.099579 | 0.18 | 0.0044365 | 9.64 | 0.0000000 | 0.00 | 8.2453 | 0.15 | 0.0158358 | 1.00 | 46.3491 | 0.31 | 2.8865 | 4.70 | 0.0000000 | 0.00 | 0.0050049 | 9.65 |
| 17E28655 | 3.6 % | 0.0012900 | 34.61 | 0.0000000 | 0.00 | 0.0081167 | 0.40 | 0.0000000 | 0.00 | 30.0286 | 0.36 | 0.0002411 | 34.61 | 0.0000000 | 0.00 | 0.121369 | 0.16 | 0.0054051 | 9.64 | 0.0000000 | 0.00 | 10.0496 | 0.13 | 0.0192933 | 0.99 | 56.4760 | 0.25 | 0.3812 | 34.61 | 0.0000000 | 0.00 | 0.0061001 | 9.65 |
| 17E28657 | 3.9 % | 0.0016561 | 27.72 | 0.0000000 | 0.00 | 0.0086256 | 0.40 | 0.0000000 | 0.00 | 31.9113 | 0.36 | 0.0003095 | 27.72 | 0.0000000 | 0.00 | 0.129220 | 0.15 | 0.0057440 | 9.64 | 0.0000000 | 0.00 | 10.6997 | 0.12 | 0.0205030 | 0.99 | 60.1208 | 0.24 | 0.4894 | 27.72 | 0.0000000 | 0.00 | 0.0064947 | 9.65 |
| 17E28658 | 4.2 % | 0.0107026 | 4.44 | 0.0000000 | 0.00 | 0.0112189 | 0.38 | 0.0000000 | 0.00 | 41.5052 | 0.34 | 0.0020003 | 4.44 | 0.0000000 | 0.00 | 0.168440 | 0.14 | 0.0074709 | 9.64 | 0.0000000 | 0.00 | 13.9472 | 0.10 | 0.0266671 | 0.98 | 78.3995 | 0.19 | 3.1626 | 4.44 | 0.0000000 | 0.00 | 0.0084659 | 9.65 |
| 17E28659 | 4.5 % | 0.0030301 | 15.67 | 0.0000000 | 0.00 | 0.0209008 | 0.36 | 0.0000000 | 0.00 | 77.3246 | 0.31 | 0.0005663 | 15.67 | 0.0000000 | 0.00 | 0.313137 | 0.12 | 0.0139184 | 9.64 | 0.0000000 | 0.00 | 25.9283 | 0.08 | 0.0496811 | 0.97 | 145.8329 | 0.10 | 0.8954 | 15.67 | 0.0000000 | 0.00 | 0.0157385 | 9.65 |
| 17E28661 | 4.8 % | 0.0024671 | 19.92 | 0.0000000 | 0.00 | 0.0234063 | 0.36 | 0.0000000 | 0.00 | 86.5938 | 0.31 | 0.0004611 | 19.92 | 0.0000000 | 0.00 | 0.352255 | 0.12 | 0.0155869 | 9.64 | 0.0000000 | 0.00 | 29.1674 | 0.08 | 0.0556365 | 0.97 | 164.0238 | 0.09 | 0.7290 | 19.92 | 0.0000000 | 0.00 | 0.0177046 | 9.65 |
| 17E28662 | 5.1 % | 0.0299616 | 1.72 | 0.0000000 | 0.00 | 0.0178581 | 0.36 | 0.0000000 | 0.00 | 66.0677 | 0.32 | 0.0055998 | 1.72 | 0.0000000 | 0.00 | 0.268490 | 0.12 | 0.0118922 | 9.64 | 0.0000000 | 0.00 | 22.2315 | 0.08 | 0.0424485 | 0.97 | 124.9440 | 0.13 | 8.8536 | 1.72 | 0.0000000 | 0.00 | 0.0134945 | 9.65 |
| 17E28663 | 5.4 % | 0.0030087 | 16.19 | 0.0000000 | 0.00 | 0.0192703 | 0.36 | 0.0000012 | 112.41 | 71.2921 | 0.32 | 0.0005623 | 16.19 | 0.0000000 | 0.00 | 0.290931 | 0.12 | 0.0128326 | 9.64 | 0.0086708 | 112.41 | 24.0897 | 0.08 | 0.0458052 | 0.97 | 134.9716 | 0.11 | 0.8891 | 16.19 | 0.0000000 | 0.00 | 0.0146224 | 9.65 |
| 17E28665 | 5.8 % | 0.0024806 | 20.34 | 0.0000000 | 0.00 | 0.0213992 | 0.36 | 0.0000015 | 84.25 | 79.1684 | 0.31 | 0.0004636 | 20.34 | 0.0000000 | 0.00 | 0.324188 | 0.12 | 0.0142503 | 9.64 | 0.0109434 | 84.26 | 26.8435 | 0.08 | 0.0508657 | 0.97 | 150.7336 | 0.10 | 0.7330 | 20.34 | 0.0000000 | 0.00 | 0.0162940 | 9.65 |
| 17E28666 | 6.2 % | 0.0084817 | 5.90 | 0.0000000 | 0.00 | 0.0260447 | 0.35 | 0.0000001 | ##### | 96.3547 | 0.31 | 0.0015852 | 5.90 | 0.0000000 | 0.00 | 0.395711 | 0.12 | 0.0173438 | 9.64 | 0.0004658 | ##### | 32.7657 | 0.07 | 0.0619079 | 0.97 | 184.5037 | 0.08 | 2.5063 | 5.90 | 0.0000000 | 0.00 | 0.0198888 | 9.65 |
| 17E28667 | 6.8 % | 0.0177806 | 3.26 | 0.0000000 | 0.00 | 0.0351960 | 0.35 | 0.0000000 | 0.00 | 130.2111 | 0.31 | 0.0033232 | 3.26 | 0.0000000 | 0.00 | 0.535078 | 0.11 | 0.0234380 | 9.63 | 0.0000000 | 0.00 | 44.3055 | 0.07 | 0.0836606 | 0.97 | 248.8619 | 0.07 | 5.2542 | 3.26 | 0.0000000 | 0.00 | 0.0268935 | 9.65 |
| 17E28669 | 7.4 % | 0.0608996 | 1.30 | 0.0000000 | 0.00 | 0.0595676 | 0.35 | 0.0000000 | 0.00 | 220.3759 | 0.31 | 0.0113821 | 1.30 | 0.0000000 | 0.00 | 0.905753 | 0.11 | 0.0396677 | 9.63 | 0.0000000 | 0.00 | 74.9981 | 0.07 | 0.1415915 | 0.97 | 421.2213 | 0.06 | 17.9958 | 1.30 | 0.0000000 | 0.00 | 0.0455239 | 9.65 |
| 17E28670 | 8.2 % | 0.0422128 | 1.65 | 0.0000000 | 0.00 | 0.0562614 | 0.35 | 0.0000000 | 0.00 | 208.1443 | 0.31 | 0.0078896 | 1.65 | 0.0000000 | 0.00 | 0.864399 | 0.11 | 0.0374660 | 9.63 | 0.0000000 | 0.00 | 71.5739 | 0.07 | 0.1337327 | 0.97 | 402.4651 | 0.05 | 12.4739 | 1.65 | 0.0000000 | 0.00 | 0.0434454 | 9.65 |
| 17E28671 | 9.1 % | 1.7905614 | 0.30 | 0.0000000 | 0.00 | 0.0842343 | 0.35 | 0.0000000 | 0.00 | 311.6328 | 0.30 | 0.3346559 | 0.30 | 0.0000000 | 0.00 | 1.294800 | 0.11 | 0.0560939 | 9.63 | 0.0000000 | 0.00 | 107.2121 | 0.07 | 0.2002241 | 0.97 | 600.5492 | 0.26 | 529.1109 | 0.30 | 0.0000000 | 0.00 | 0.0650777 | 9.65 |
| 17E28673 | 10.1 % | 0.2137432 | 0.64 | 0.0000000 | 0.00 | 0.0893760 | 0.35 | 0.0000000 | 0.00 | 330.6549 | 0.31 | 0.0399486 | 0.64 | 0.0000000 | 0.00 | 1.382892 | 0.11 | 0.0595179 | 9.63 | 0.0000000 | 0.00 | 114.5062 | 0.06 | 0.2124458 | 0.97 | 651.1458 | 0.06 | 63.1611 | 0.64 | 0.0000000 | 0.00 | 0.0695053 | 9.65 |
| 17E28674 | 11.2 % | 0.2882949 | 0.51 | 0.0000000 | 0.00 | 0.0909133 | 0.35 | 0.0000000 | 0.00 | 336.3424 | 0.31 | 0.0538823 | 0.51 | 0.0000000 | 0.00 | 1.410065 | 0.11 | 0.0605416 | 9.63 | 0.0000000 | 0.00 | 116.7563 | 0.06 | 0.2161000 | 0.97 | 659.5418 | 0.07 | 85.1911 | 0.51 | 0.0000000 | 0.00 | 0.0708710 | 9.65 |
| 17E28675 | 12.3 % | 0.5420472 | 0.40 | 0.0000000 | 0.00 | 0.0888527 | 0.35 | 0.0000000 | 0.00 | 328.7189 | 0.31 | 0.1013086 | 0.40 | 0.0000000 | 0.00 | 1.396376 | 0.11 | 0.0591694 | 9.63 | 0.0000000 | 0.00 | 115.6228 | 0.06 | 0.2112019 | 0.97 | 654.0704 | 0.10 | 160.1749 | 0.40 | 0.0000000 | 0.00 | 0.0701830 | 9.65 |
| 17E28677 | 13.5 % | 0.5533553 | 0.39 | 0.0000000 | 0.00 | 0.0743387 | 0.35 | 0.0000000 | 0.00 | 275.0231 | 0.31 | 0.1034221 | 0.39 | 0.0000000 | 0.00 | 1.167237 | 0.11 | 0.0495041 | 9.63 | 0.0000000 | 0.00 | 96.6496 | 0.07 | 0.1767023 | 0.97 | 557.1718 | 0.11 | 163.5165 | 0.39 | 0.0000000 | 0.00 | 0.0586663 | 9.65 |
| 17E28678 | 14.8 % | 0.6480653 | 0.35 | 0.0000000 | 0.00 | 0.0650732 | 0.35 | 0.0000000 | 0.00 | 240.7445 | 0.31 | 0.1211234 | 0.35 | 0.0000000 | 0.00 | 1.023024 | 0.11 | 0.0433340 | 9.63 | 0.0000000 | 0.00 | 84.7085 | 0.07 | 0.1546783 | 0.97 | 489.1587 | 0.14 | 191.5033 | 0.35 | 0.0000000 | 0.00 | 0.0514180 | 9.65 |
| 17E28679 | 15.9 % | 0.2342369 | 0.53 | 0.0000000 | 0.00 | 0.0362502 | 0.35 | 0.0000000 | 0.00 | 134.1108 | 0.31 | 0.0437789 | 0.53 | 0.0000000 | 0.00 | 0.564924 | 0.11 | 0.0241399 | 9.63 | 0.0000000 | 0.00 | 46.7768 | 0.07 | 0.0861662 | 0.97 | 264.2104 | 0.14 | 69.2170 | 0.53 | 0.0000000 | 0.00 | 0.0283935 | 9.65 |
| 17E28681 | 17.0 % | 0.2462765 | 0.48 | 0.0000000 | 0.00 | 0.0360045 | 0.35 | 0.0000000 | 0.00 | 133.2020 | 0.31 | 0.0460291 | 0.48 | 0.0000000 | 0.00 | 0.538999 | 0.11 | 0.0239764 | 9.63 | 0.0000000 | 0.00 | 44.6302 | 0.07 | 0.0855823 | 0.97 | 252.6009 | 0.14 | 72.7747 | 0.48 | 0.0000000 | 0.00 | 0.0270905 | 9.65 |
| 17E28683 | 18.5 % | 0.1968075 | 0.53 | 0.0000000 | 0.00 | 0.0315675 | 0.35 | 0.0000000 | 0.00 | 116.7868 | 0.31 | 0.0367833 | 0.53 | 0.0000000 | 0.00 | 0.473833 | 0.12 | 0.0210216 | 9.63 | 0.0000000 | 0.00 | 39.2343 | 0.07 | 0.0750355 | 0.97 | 222.2494 | 0.14 | 58.1566 | 0.53 | 0.0000000 | 0.00 | 0.0238152 | 9.65 |
| Σ | | 4.9314705 | 0.15 | 0.0000000 | 0.00 | 0.9541646 | 0.09 | 0.0000033 | 87.19 | 3530.0206 | 0.08 | 0.921691 | | | | | | | | | | | | | | | | | | | | | |

| Additional Parameters | | 40Ar/39Ar | 1σ | 37Ar/39Ar | 1σ | 36Ar/39Ar | 1σ | Time (days) | 37Ar (decay) | 39Ar (decay) | 40Ar (moles) |
|-----------------------|--------|-----------|----------|-----------|----------|-----------|----------|-------------|--------------|--------------|--------------|
| 17E28643 | 1.8 % | 5.777595 | 0.013397 | 2.955429 | 0.014304 | 0.001818 | 0.000077 | 83.600 | 5.226465 | 1.00059094 | 1.240E-12 |
| 17E28645 | 1.9 % | 5.909824 | 0.015803 | 2.971206 | 0.016294 | 0.001929 | 0.000090 | 83.613 | 5.227828 | 1.00059103 | 1.090E-12 |
| 17E28646 | 2.0 % | 5.744823 | 0.016052 | 2.987650 | 0.016354 | 0.001273 | 0.000097 | 83.620 | 5.228545 | 1.00059108 | 9.699E-13 |
| 17E28647 | 2.2 % | 5.701070 | 0.013439 | 2.981340 | 0.014508 | 0.001110 | 0.000080 | 83.627 | 5.229262 | 1.00059113 | 1.182E-12 |
| 17E28649 | 2.4 % | 5.652712 | 0.012756 | 2.967188 | 0.014225 | 0.001059 | 0.000071 | 83.641 | 5.230697 | 1.00059123 | 1.247E-12 |
| 17E28650 | 2.7 % | 5.755839 | 0.009044 | 2.989199 | 0.011713 | 0.001398 | 0.000049 | 83.648 | 5.231414 | 1.00059128 | 1.834E-12 |
| 17E28651 | 3.0 % | 5.686183 | 0.013794 | 2.985809 | 0.014826 | 0.000880 | 0.000074 | 83.655 | 5.232132 | 1.00059133 | 1.180E-12 |
| 17E28653 | 3.2 % | 5.660290 | 0.008393 | 2.991031 | 0.011287 | 0.000900 | 0.000043 | 83.669 | 5.233567 | 1.00059142 | 2.088E-12 |
| 17E28654 | 3.4 % | 5.960485 | 0.010408 | 2.983500 | 0.012514 | 0.001989 | 0.000056 | 83.676 | 5.234285 | 1.00059147 | 1.743E-12 |
| 17E28655 | 3.6 % | 5.647413 | 0.008686 | 2.982304 | 0.011382 | 0.000934 | 0.000044 | 83.683 | 5.235003 | 1.00059152 | 2.013E-12 |
| 17E28657 | 3.9 % | 5.654445 | 0.008107 | 2.976743 | 0.011360 | 0.000959 | 0.000043 | 83.697 | 5.236440 | 1.00059162 | 2.146E-12 |
| 17E28658 | 4.2 % | 5.837380 | 0.006847 | 2.970207 | 0.010513 | 0.001569 | 0.000034 | 83.703 | 5.237158 | 1.00059167 | 2.888E-12 |
| 17E28659 | 4.5 % | 5.648775 | 0.004880 | 2.976540 | 0.009636 | 0.000921 | 0.000018 | 83.710 | 5.237876 | 1.00059172 | 5.195E-12 |
| 17E28661 | 4.8 % | 5.638378 | 0.004570 | 2.963202 | 0.009542 | 0.000885 | 0.000017 | 83.724 | 5.239313 | 1.00059182 | 5.833E-12 |
| 17E28662 | 5.1 % | 6.007516 | 0.005472 | 2.966140 | 0.009800 | 0.002147 | 0.000023 | 83.731 | 5.239960 | 1.00059186 | 4.737E-12 |
| 17E28663 | 5.4 % | 5.629684 | 0.004944 | 2.953828 | 0.009625 | 0.000923 | 0.000020 | 83.738 | 5.240679 | 1.00059191 | 4.810E-12 |
| 17E28665 | 5.8 % | 5.632522 | 0.004716 | 2.943683 | 0.009515 | 0.000888 | 0.000019 | 83.751 | 5.242117 | 1.00059201 | 5.362E-12 |
| 17E28666 | 6.2 % | 5.697341 | 0.004476 | 2.935175 | 0.009392 | 0.001052 | 0.000015 | 83.758 | 5.242836 | 1.00059206 | 6.621E-12 |
| 17E28667 | 6.8 % | 5.725333 | 0.004133 | 2.933395 | 0.009285 | 0.001193 | 0.000013 | 83.765 | 5.243555 | 1.00059210 | 8.997E-12 |
| 17E28669 | 7.4 % | 5.845944 | 0.003919 | 2.932881 | 0.009175 | 0.001603 | 0.000010 | 83.779 | 5.244994 | 1.00059220 | 1.555E-11 |
| 17E28670 | 8.2 % | 5.787141 | 0.003895 | 2.902677 | 0.009090 | 0.001373 | 0.000009 | 83.786 | 5.245713 | 1.00059225 | 1.469E-11 |
| 17E28671 | 9.1 % | 10.517652 | 0.006898 | 2.901277 | 0.009047 | 0.017454 | 0.000051 | 83.793 | 5.246433 | 1.00059230 | 3.999E-11 |
| 17E28673 | 10.1 % | 6.227202 | 0.004041 | 2.882311 | 0.008990 | 0.002642 | 0.000012 | 83.807 | 5.247872 | 1.00059240 | 2.529E-11 |
| 17E28674 | 11.2 % | 6.367350 | 0.004131 | 2.875401 | 0.008964 | 0.003242 | 0.000012 | 83.814 | 5.248592 | 1.00059245 | 2.637E-11 |
| 17E28675 | 12.3 % | 7.030023 | 0.004584 | 2.837845 | 0.008852 | 0.005447 | 0.000019 | 83.821 | 5.249312 | 1.00059250 | 2.883E-11 |
| 17E28677 | 13.5 % | 7.443714 | 0.004875 | 2.840377 | 0.008867 | 0.006483 | 0.000022 | 83.835 | 5.250753 | 1.00059260 | 2.551E-11 |
| 17E28678 | 14.8 % | 8.021309 | 0.005291 | 2.836855 | 0.008864 | 0.008403 | 0.000028 | 83.842 | 5.251473 | 1.00059264 | 2.410E-11 |
| 17E28679 | 15.9 % | 7.115548 | 0.005101 | 2.861765 | 0.009049 | 0.005772 | 0.000027 | 83.848 | 5.252121 | 1.00059269 | 1.180E-11 |
| 17E28681 | 17.0 % | 7.277136 | 0.005189 | 2.978858 | 0.009421 | 0.006313 | 0.000026 | 83.862 | 5.253562 | 1.00059279 | 1.152E-11 |
| 17E28683 | 18.5 % | 7.133921 | 0.005243 | 2.970967 | 0.009415 | 0.005810 | 0.000027 | 83.876 | 5.255004 | 1.00059288 | 9.927E-12 |

| Procedure | | 36Ar ± 1σ (SE) | 37Ar ± 1σ (SE) | 38Ar ± 1σ (SE) | 39Ar ± 1σ (SE) | 40Ar ± 1σ (SE) |
|-----------|--------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Blanks | | [fA] | [fA] | [fA] | [fA] | [fA] |
| 17E28643 | 1.8 % | 0.0247582 ± 0.0002862 | 0.0989849 ± 0.0073435 | 0.0181716 ± 0.0064736 | 0.0036110 ± 0.0076949 | 4.4525234 ± 0.0384297 |
| 17E28645 | 1.9 % | 0.0247862 ± 0.0002862 | 0.0948402 ± 0.0073435 | 0.0152769 ± 0.0064736 | 0.0056595 ± 0.0076949 | 4.4306833 ± 0.0384297 |
| 17E28646 | 2.0 % | 0.0247770 ± 0.0002862 | 0.0935453 ± 0.0073435 | 0.0144550 ± 0.0064736 | 0.0066330 ± 0.0076949 | 4.4201561 ± 0.0384297 |
| 17E28647 | 2.2 % | 0.0247532 ± 0.0002862 | 0.0927626 ± 0.0073435 | 0.0140417 ± 0.0064736 | 0.0075265 ± 0.0076949 | 4.4103156 ± 0.0384297 |
| 17E28649 | 2.4 % | 0.0246676 ± 0.0002862 | 0.0924518 ± 0.0073435 | 0.0142244 ± 0.0064736 | 0.0090547 ± 0.0076949 | 4.3927261 ± 0.0384297 |
| 17E28650 | 2.7 % | 0.0246085 ± 0.0002862 | 0.0927933 ± 0.0073435 | 0.0147194 ± 0.0064736 | 0.0096828 ± 0.0076949 | 4.3849801 ± 0.0384297 |
| 17E28651 | 3.0 % | 0.0245403 ± 0.0002862 | 0.0933857 ± 0.0073435 | 0.0154207 ± 0.0064736 | 0.0102176 ± 0.0076949 | 4.3779271 ± 0.0384297 |
| 17E28653 | 3.2 % | 0.0243812 ± 0.0002862 | 0.0951071 ± 0.0073435 | 0.0172701 ± 0.0064736 | 0.0110058 ± 0.0076949 | 4.3658517 ± 0.0384297 |
| 17E28654 | 3.4 % | 0.0242926 ± 0.0002862 | 0.0961379 ± 0.0073435 | 0.0183390 ± 0.0064736 | 0.0112608 ± 0.0076949 | 4.3607928 ± 0.0384297 |
| 17E28655 | 3.6 % | 0.0241995 ± 0.0002862 | 0.0972236 ± 0.0073435 | 0.0194559 ± 0.0064736 | 0.0114261 ± 0.0076949 | 4.3563539 ± 0.0384297 |
| 17E28657 | 3.9 % | 0.0240037 ± 0.0002862 | 0.0994079 ± 0.0073435 | 0.0217054 ± 0.0064736 | 0.0115027 ± 0.0076949 | 4.3492083 ± 0.0384297 |
| 17E28658 | 4.2 % | 0.0239028 ± 0.0002862 | 0.1004411 ± 0.0073435 | 0.0227808 ± 0.0064736 | 0.0114240 ± 0.0076949 | 4.3464256 ± 0.0384297 |
| 17E28659 | 4.5 % | 0.0238011 ± 0.0002862 | 0.1013979 ± 0.0073435 | 0.0237898 ± 0.0064736 | 0.0112759 ± 0.0076949 | 4.3441106 ± 0.0384297 |
| 17E28661 | 4.8 % | 0.0235985 ± 0.0002862 | 0.1029962 ± 0.0073435 | 0.0255241 ± 0.0064736 | 0.0108032 ± 0.0076949 | 4.3406769 ± 0.0384297 |
| 17E28662 | 5.1 % | 0.0235089 ± 0.0002862 | 0.1035501 ± 0.0073435 | 0.0261511 ± 0.0064736 | 0.0105293 ± 0.0076949 | 4.3395541 ± 0.0384297 |
| 17E28663 | 5.4 % | 0.0234113 ± 0.0002862 | 0.1040307 ± 0.0073435 | 0.0267184 ± 0.0064736 | 0.0101936 ± 0.0076949 | 4.3385354 ± 0.0384297 |
| 17E28665 | 5.8 % | 0.0232246 ± 0.0002862 | 0.1045442 ± 0.0073435 | 0.0274043 ± 0.0064736 | 0.0094696 ± 0.0076949 | 4.3369429 ± 0.0384297 |
| 17E28666 | 6.2 % | 0.0231365 ± 0.0002862 | 0.1045757 ± 0.0073435 | 0.0275090 ± 0.0064736 | 0.0091080 ± 0.0076949 | 4.3362148 ± 0.0384297 |
| 17E28667 | 6.8 % | 0.0230525 ± 0.0002862 | 0.1044630 ± 0.0073435 | 0.0274501 ± 0.0064736 | 0.0087663 ± 0.0076949 | 4.3354210 ± 0.0384297 |
| 17E28669 | 7.4 % | 0.0228985 ± 0.0002862 | 0.1038464 ± 0.0073435 | 0.0268444 ± 0.0064736 | 0.0082072 ± 0.0076949 | 4.3332730 ± 0.0384297 |
| 17E28670 | 8.2 % | 0.0228291 ± 0.0002862 | 0.1033738 ± 0.0073435 | 0.0263055 ± 0.0064736 | 0.0080248 ± 0.0076949 | 4.3317248 ± 0.0384297 |
| 17E28671 | 9.1 % | 0.0227651 ± 0.0002862 | 0.1028191 ± 0.0073435 | 0.0256193 ± 0.0064736 | 0.0079324 ± 0.0076949 | 4.3297230 ± 0.0384297 |
| 17E28673 | 10.1 % | 0.0226539 ± 0.0002862 | 0.1015706 ± 0.0073435 | 0.0238510 ± 0.0064736 | 0.0080990 ± 0.0076949 | 4.3239161 ± 0.0384297 |
| 17E28674 | 11.2 % | 0.0226070 ± 0.0002862 | 0.1009404 ± 0.0073435 | 0.0227990 ± 0.0064736 | 0.0084014 ± 0.0076949 | 4.3198774 ± 0.0384297 |
| 17E28675 | 12.3 % | 0.0225658 ± 0.0002862 | 0.1003554 ± 0.0073435 | 0.0216596 ± 0.0064736 | 0.0088805 ± 0.0076949 | 4.3149179 ± 0.0384297 |
| 17E28677 | 13.5 % | 0.0225007 ± 0.0002862 | 0.0994931 ± 0.0073435 | 0.0192091 ± 0.0064736 | 0.0104675 ± 0.0076949 | 4.3017150 ± 0.0384297 |
| 17E28678 | 14.8 % | 0.0224766 ± 0.0002862 | 0.0993119 ± 0.0073435 | 0.0179499 ± 0.0064736 | 0.0116270 ± 0.0076949 | 4.2931984 ± 0.0384297 |
| 17E28679 | 15.9 % | 0.0224595 ± 0.0002862 | 0.0993503 ± 0.0073435 | 0.0168299 ± 0.0064736 | 0.0129095 ± 0.0076949 | 4.2842832 ± 0.0384297 |
| 17E28681 | 17.0 % | 0.0224361 ± 0.0002862 | 0.1003413 ± 0.0073435 | 0.0145118 ± 0.0064736 | 0.0166781 ± 0.0076949 | 4.2596660 ± 0.0384297 |
| 17E28683 | 18.5 % | 0.0224309 ± 0.0002862 | 0.1030065 ± 0.0073435 | 0.0126739 ± 0.0064736 | 0.0219112 ± 0.0076949 | 4.2273926 ± 0.0384297 |

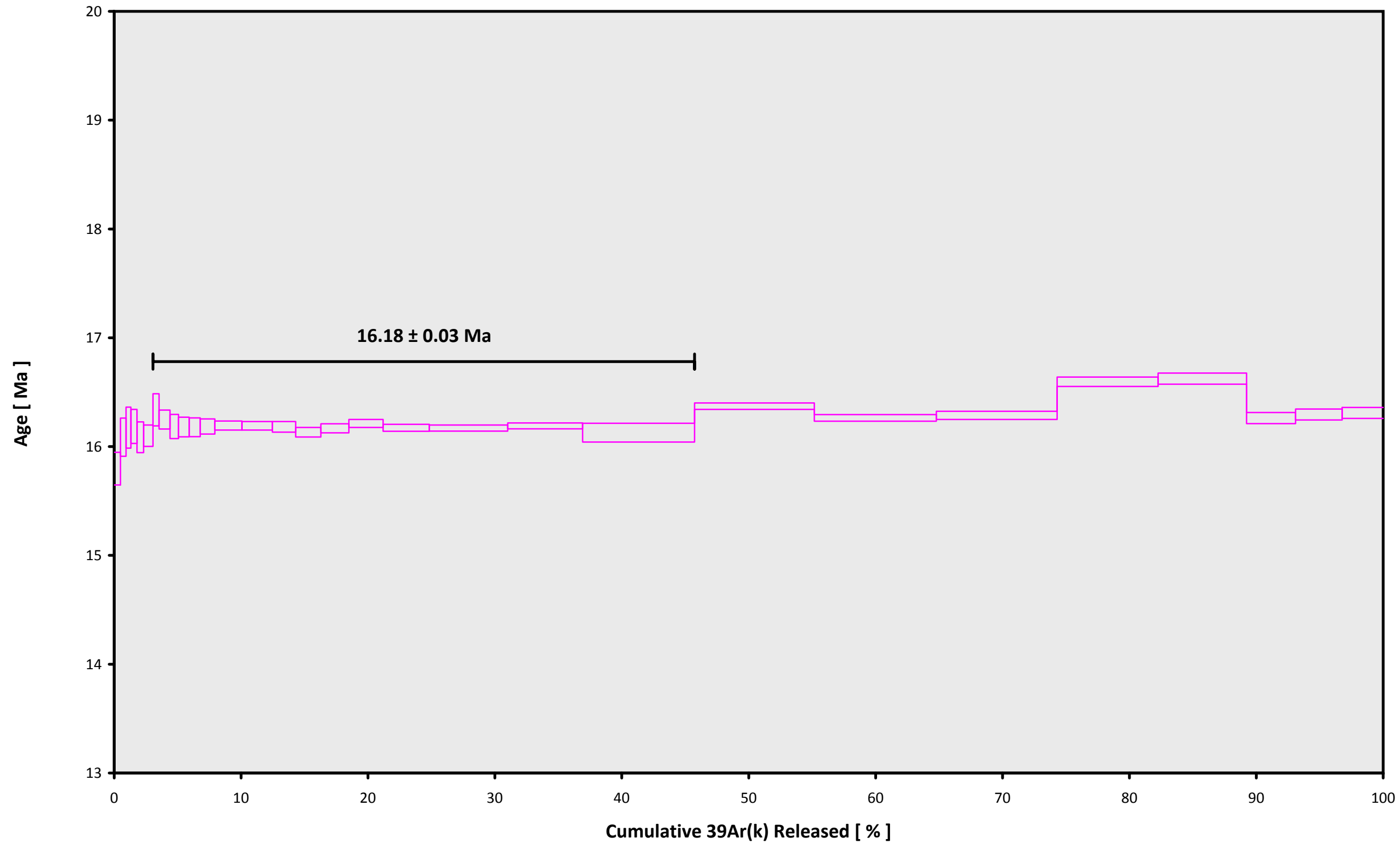
| Intercept Values | | 36Ar ± 1σ (SE) [fA] | r2 | Regression (type,n) | 37Ar ± 1σ (SE) [fA] | r2 | Regression (type,n) | 38Ar ± 1σ (SE) [fA] | r2 | Regression (type,n) | 39Ar ± 1σ (SE) [fA] | r2 | Regression (type,n) | 40Ar ± 1σ (SE) [fA] | r2 | Regression (type,n) |
|------------------|--------|------------------------|--------|------------------------|------------------------|--------|------------------------|------------------------|--------|------------------------|------------------------|--------|------------------------|------------------------|--------|------------------------|
| 17E28643 | 1.8 % | 0.0351379 ± 0.0003333 | 0.6359 | EXP 150 of 150 | 3.245363 ± 0.007801 | 0.9027 | EXP 150 of 150 | 0.0570191 ± 0.0065819 | 0.0082 | EXP 150 of 150 | 6.007713 ± 0.008320 | 0.9733 | EXP 150 of 150 | 39.49455 ± 0.01682 | 0.9983 | EXP 150 of 150 |
| 17E28645 | 1.9 % | 0.0342450 ± 0.0003323 | 0.6932 | EXP 150 of 150 | 2.791513 ± 0.008685 | 0.8484 | EXP 150 of 150 | 0.0465417 ± 0.0072540 | 0.0094 | EXP 150 of 150 | 5.156234 ± 0.008509 | 0.9602 | EXP 150 of 150 | 35.20976 ± 0.01577 | 0.9982 | EXP 150 of 150 |
| 17E28646 | 2.0 % | 0.0304892 ± 0.0003304 | 0.7143 | EXP 150 of 150 | 2.563723 ± 0.007327 | 0.8634 | EXP 150 of 150 | 0.0479390 ± 0.0066557 | 0.0076 | EXP 150 of 150 | 4.720062 ± 0.007419 | 0.9634 | EXP 150 of 150 | 31.81737 ± 0.01591 | 0.9982 | EXP 150 of 150 |
| 17E28647 | 2.2 % | 0.0308712 ± 0.0003380 | 0.7178 | EXP 150 of 150 | 3.162260 ± 0.007532 | 0.9048 | EXP 150 of 150 | 0.0587066 ± 0.0066986 | 0.0221 | EXP 150 of 150 | 5.795490 ± 0.007928 | 0.9725 | EXP 150 of 150 | 37.79000 ± 0.01558 | 0.9976 | EXP 150 of 150 |
| 17E28649 | 2.4 % | 0.0308807 ± 0.0003051 | 0.7315 | EXP 150 of 150 | 3.354993 ± 0.008127 | 0.9024 | EXP 149 of 150 | 0.0519869 ± 0.0064720 | 0.0064 | EXP 150 of 150 | 6.168017 ± 0.008114 | 0.9751 | EXP 150 of 150 | 39.62265 ± 0.01712 | 0.9962 | EXP 150 of 150 |
| 17E28650 | 2.7 % | 0.0364550 ± 0.0003025 | 0.7097 | EXP 150 of 150 | 4.923046 ± 0.007441 | 0.9572 | EXP 150 of 150 | 0.0937396 ± 0.0063625 | 0.0354 | EXP 150 of 150 | 8.912657 ± 0.007212 | 0.9905 | EXP 150 of 150 | 56.20046 ± 0.01886 | 0.9868 | EXP 150 of 150 |
| 17E28651 | 3.0 % | 0.0294001 ± 0.0002880 | 0.7182 | EXP 150 of 150 | 3.169928 ± 0.008028 | 0.8887 | EXP 150 of 150 | 0.0514664 ± 0.0069548 | 0.0112 | EXP 150 of 150 | 5.802061 ± 0.008572 | 0.9681 | EXP 150 of 150 | 37.72360 ± 0.01634 | 0.9962 | EXP 150 of 150 |
| 17E28653 | 3.2 % | 0.0332059 ± 0.0003040 | 0.7105 | EXP 150 of 150 | 5.711456 ± 0.007662 | 0.9674 | EXP 150 of 150 | 0.1130918 ± 0.0067445 | 0.0583 | EXP 150 of 150 | 10.315823 ± 0.008809 | 0.9897 | EXP 150 of 150 | 63.34221 ± 0.01885 | 0.9501 | EXP 150 of 150 |
| 17E28654 | 3.4 % | 0.0397580 ± 0.0003203 | 0.6184 | EXP 150 of 150 | 4.495493 ± 0.008562 | 0.9361 | EXP 150 of 150 | 0.0839349 ± 0.0069317 | 0.0146 | EXP 150 of 150 | 8.176576 ± 0.008427 | 0.9847 | EXP 150 of 150 | 53.60136 ± 0.01623 | 0.9864 | EXP 150 of 150 |
| 17E28655 | 3.6 % | 0.0330538 ± 0.0003054 | 0.7136 | EXP 150 of 150 | 5.496158 ± 0.007564 | 0.9635 | EXP 150 of 150 | 0.0984677 ± 0.0070584 | 0.0184 | EXP 150 of 150 | 9.968108 ± 0.008931 | 0.9886 | EXP 150 of 150 | 61.21966 ± 0.02008 | 0.9453 | EXP 150 of 150 |
| 17E28657 | 3.9 % | 0.0336815 ± 0.0003213 | 0.6552 | EXP 150 of 150 | 5.843030 ± 0.008915 | 0.9564 | EXP 150 of 150 | 0.1033977 ± 0.0053509 | 0.0139 | EXP 150 of 150 | 10.613527 ± 0.008509 | 0.9908 | EXP 150 of 150 | 64.96593 ± 0.01905 | 0.8221 | EXP 150 of 150 |
| 17E28658 | 4.2 % | 0.0445368 ± 0.0003375 | 0.5505 | EXP 150 of 150 | 7.627499 ± 0.008823 | 0.9735 | EXP 150 of 150 | 0.1454089 ± 0.0069125 | 0.0277 | EXP 150 of 150 | 13.838373 ± 0.008669 | 0.9945 | EXP 150 of 150 | 85.91703 ± 0.02072 | 0.9560 | EXP 150 of 150 |
| 17E28659 | 4.5 % | 0.0463265 ± 0.0003312 | 0.5001 | EXP 150 of 150 | 14.293863 ± 0.008316 | 0.9933 | EXP 150 of 150 | 0.2914573 ± 0.0071310 | 0.1129 | EXP 149 of 150 | 25.736149 ± 0.010784 | 0.9975 | EXP 150 of 150 | 151.08812 ± 0.02266 | 0.9980 | EXP 150 of 150 |
| 17E28661 | 4.8 % | 0.0479523 ± 0.0003493 | 0.4809 | EXP 150 of 150 | 16.013445 ± 0.009434 | 0.9930 | EXP 150 of 150 | 0.3324267 ± 0.0071587 | 0.1637 | EXP 150 of 150 | 28.952829 ± 0.010223 | 0.9983 | EXP 150 of 150 | 169.11125 ± 0.02226 | 0.9988 | EXP 150 of 150 |
| 17E28662 | 5.1 % | 0.0685199 ± 0.0003689 | 0.0881 | EXP 150 of 150 | 12.191149 ± 0.009565 | 0.9877 | EXP 150 of 150 | 0.2532975 ± 0.0073135 | 0.1070 | EXP 150 of 150 | 22.065700 ± 0.010068 | 0.9971 | EXP 150 of 150 | 138.15068 ± 0.02261 | 0.9973 | EXP 150 of 150 |
| 17E28663 | 5.4 % | 0.0443828 ± 0.0003481 | 0.4281 | EXP 150 of 150 | 13.161081 ± 0.008470 | 0.9917 | EXP 150 of 150 | 0.2810798 ± 0.0069421 | 0.1478 | EXP 150 of 150 | 23.911063 ± 0.010000 | 0.9976 | EXP 150 of 150 | 140.21381 ± 0.02100 | 0.9978 | EXP 150 of 150 |
| 17E28665 | 5.8 % | 0.0457032 ± 0.0003677 | 0.4781 | EXP 150 of 150 | 14.622035 ± 0.008646 | 0.9930 | EXP 150 of 150 | 0.31666306 ± 0.0061746 | 0.2485 | EXP 150 of 150 | 26.646113 ± 0.010120 | 0.9980 | EXP 150 of 150 | 155.81983 ± 0.02148 | 0.9986 | EXP 150 of 150 |
| 17E28666 | 6.2 % | 0.0556350 ± 0.0003540 | 0.4576 | EXP 150 of 150 | 17.816476 ± 0.009448 | 0.9944 | EXP 150 of 150 | 0.3807021 ± 0.0062648 | 0.3087 | EXP 149 of 150 | 32.527061 ± 0.010810 | 0.9985 | EXP 150 of 150 | 191.36616 ± 0.02621 | 0.9989 | EXP 150 of 150 |
| 17E28667 | 6.8 % | 0.0729177 ± 0.0004321 | 0.1180 | EXP 150 of 150 | 24.110227 ± 0.010794 | 0.9960 | EXP 150 of 150 | 0.5232218 ± 0.0070138 | 0.3569 | EXP 150 of 150 | 43.986388 ± 0.011483 | 0.9991 | EXP 150 of 150 | 258.47840 ± 0.02596 | 0.9995 | EXP 150 of 150 |
| 17E28669 | 7.4 % | 0.1362903 ± 0.0005890 | 0.3719 | EXP 150 of 150 | 40.867097 ± 0.011319 | 0.9985 | EXP 150 of 150 | 0.8900637 ± 0.0060495 | 0.6256 | EXP 149 of 150 | 74.464487 ± 0.014092 | 0.9995 | EXP 150 of 150 | 443.59591 ± 0.03453 | 0.9998 | EXP 150 of 150 |
| 17E28670 | 8.2 % | 0.1155196 ± 0.0005095 | 0.0846 | EXP 150 of 150 | 38.588235 ± 0.011696 | 0.9982 | EXP 150 of 150 | 0.8437651 ± 0.0067716 | 0.5212 | EXP 149 of 150 | 71.063084 ± 0.013624 | 0.9995 | EXP 150 of 150 | 419.31417 ± 0.03456 | 0.9998 | EXP 150 of 150 |
| 17E28671 | 9.1 % | 1.7874475 ± 0.0020707 | 0.9815 | EXP 150 of 150 | 57.818164 ± 0.011182 | 0.9993 | EXP 150 of 150 | 1.5881954 ± 0.0067686 | 0.8105 | EXP 149 of 150 | 106.450822 ± 0.019077 | 0.9996 | EXP 150 of 150 | 1134.05490 ± 0.05752 | 0.9999 | EXP 150 of 150 |
| 17E28673 | 10.1 % | 0.3079699 ± 0.0009834 | 0.7713 | EXP 150 of 150 | 61.338059 ± 0.014223 | 0.9989 | EXP 150 of 150 | 1.4027624 ± 0.0070268 | 0.7423 | EXP 149 of 150 | 113.692179 ± 0.016547 | 0.9997 | EXP 150 of 150 | 718.70037 ± 0.04224 | 0.9999 | EXP 150 of 150 |
| 17E28674 | 11.2 % | 0.3795430 ± 0.0009536 | 0.8588 | EXP 150 of 150 | 62.386918 ± 0.013092 | 0.9991 | EXP 150 of 150 | 1.4189008 ± 0.0068222 | 0.7627 | EXP 149 of 150 | 115.925525 ± 0.017117 | 0.9997 | EXP 150 of 150 | 749.12373 ± 0.04038 | 0.9999 | EXP 150 of 150 |
| 17E28675 | 12.3 % | 0.6164107 ± 0.0012600 | 0.9274 | EXP 150 of 150 | 60.962782 ± 0.013431 | 0.9990 | EXP 150 of 150 | 1.4678440 ± 0.0067608 | 0.7673 | EXP 149 of 150 | 114.796783 ± 0.018467 | 0.9996 | EXP 150 of 150 | 818.63047 ± 0.04798 | 0.9999 | EXP 150 of 150 |
| 17E28677 | 13.5 % | 0.6133280 ± 0.0012669 | 0.9309 | EXP 150 of 150 | 50.975043 ± 0.011738 | 0.9989 | EXP 150 of 150 | 1.2491001 ± 0.0073253 | 0.6699 | EXP 149 of 150 | 95.956200 ± 0.015880 | 0.9996 | EXP 150 of 150 | 725.04869 ± 0.04087 | 0.9999 | EXP 150 of 150 |
| 17E28678 | 14.8 % | 0.6937300 ± 0.0012655 | 0.9473 | EXP 150 of 150 | 44.603213 ± 0.010853 | 0.9988 | EXP 150 of 150 | 1.1257162 ± 0.0071586 | 0.6742 | EXP 149 of 150 | 84.098121 ± 0.014768 | 0.9996 | EXP 150 of 150 | 685.00665 ± 0.04130 | 0.9999 | EXP 150 of 150 |
| 17E28679 | 15.9 % | 0.2770598 ± 0.0009116 | 0.7615 | EXP 150 of 150 | 24.799881 ± 0.010276 | 0.9965 | EXP 150 of 150 | 0.5875200 ± 0.0072907 | 0.3840 | EXP 149 of 150 | 46.434026 ± 0.012659 | 0.9990 | EXP 150 of 150 | 337.74004 ± 0.03314 | 0.9996 | EXP 150 of 150 |
| 17E28681 | 17.0 % | 0.2881378 ± 0.0008087 | 0.8246 | EXP 150 of 150 | 24.623367 ± 0.010348 | 0.9965 | EXP 150 of 150 | 0.5596269 ± 0.0074725 | 0.2934 | EXP 150 of 150 | 44.302113 ± 0.011440 | 0.9991 | EXP 150 of 150 | 329.66240 ± 0.03013 | 0.9997 | EXP 150 of 150 |
| 17E28683 | 18.5 % | 0.2373926 ± 0.0007501 | 0.7852 | EXP 150 of 150 | 21.567925 ± 0.008671 | 0.9967 | EXP 150 of 150 | 0.4982388 ± 0.0062059 | 0.4120 | EXP 148 of 150 | 38.938458 ± 0.011337 | 0.9988 | EXP 150 of 150 | 284.65722 ± 0.02590 | 0.9996 | EXP 150 of 150 |

| Project Info | | Analyst | Irradiation | X-pos | Y-pos | Z/H-pos | Project | Experiment | Nmb |
|--------------|--------|-------------|-------------|-------|-------|---------|--------------------------|------------|-----|
| 17E28643 | 1.8 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 35.75 | Italy\ALS Global (17-25) | 17E28639 | 01 |
| 17E28645 | 1.9 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 35.75 | Italy\ALS Global (17-25) | 17E28639 | 01 |
| 17E28646 | 2.0 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 35.75 | Italy\ALS Global (17-25) | 17E28639 | 01 |
| 17E28647 | 2.2 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 35.75 | Italy\ALS Global (17-25) | 17E28639 | 01 |
| 17E28649 | 2.4 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 35.75 | Italy\ALS Global (17-25) | 17E28639 | 01 |
| 17E28650 | 2.7 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 35.75 | Italy\ALS Global (17-25) | 17E28639 | 01 |
| 17E28651 | 3.0 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 35.75 | Italy\ALS Global (17-25) | 17E28639 | 01 |
| 17E28653 | 3.2 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 35.75 | Italy\ALS Global (17-25) | 17E28639 | 01 |
| 17E28654 | 3.4 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 35.75 | Italy\ALS Global (17-25) | 17E28639 | 01 |
| 17E28655 | 3.6 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 35.75 | Italy\ALS Global (17-25) | 17E28639 | 01 |
| 17E28657 | 3.9 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 35.75 | Italy\ALS Global (17-25) | 17E28639 | 01 |
| 17E28658 | 4.2 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 35.75 | Italy\ALS Global (17-25) | 17E28639 | 01 |
| 17E28659 | 4.5 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 35.75 | Italy\ALS Global (17-25) | 17E28639 | 01 |
| 17E28661 | 4.8 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 35.75 | Italy\ALS Global (17-25) | 17E28639 | 01 |
| 17E28662 | 5.1 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 35.75 | Italy\ALS Global (17-25) | 17E28639 | 01 |
| 17E28663 | 5.4 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 35.75 | Italy\ALS Global (17-25) | 17E28639 | 01 |
| 17E28665 | 5.8 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 35.75 | Italy\ALS Global (17-25) | 17E28639 | 01 |
| 17E28666 | 6.2 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 35.75 | Italy\ALS Global (17-25) | 17E28639 | 01 |
| 17E28667 | 6.8 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 35.75 | Italy\ALS Global (17-25) | 17E28639 | 01 |
| 17E28669 | 7.4 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 35.75 | Italy\ALS Global (17-25) | 17E28639 | 01 |
| 17E28670 | 8.2 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 35.75 | Italy\ALS Global (17-25) | 17E28639 | 01 |
| 17E28671 | 9.1 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 35.75 | Italy\ALS Global (17-25) | 17E28639 | 01 |
| 17E28673 | 10.1 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 35.75 | Italy\ALS Global (17-25) | 17E28639 | 01 |
| 17E28674 | 11.2 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 35.75 | Italy\ALS Global (17-25) | 17E28639 | 01 |
| 17E28675 | 12.3 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 35.75 | Italy\ALS Global (17-25) | 17E28639 | 01 |
| 17E28677 | 13.5 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 35.75 | Italy\ALS Global (17-25) | 17E28639 | 01 |
| 17E28678 | 14.8 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 35.75 | Italy\ALS Global (17-25) | 17E28639 | 01 |
| 17E28679 | 15.9 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 35.75 | Italy\ALS Global (17-25) | 17E28639 | 01 |
| 17E28681 | 17.0 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 35.75 | Italy\ALS Global (17-25) | 17E28639 | 01 |
| 17E28683 | 18.5 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 35.75 | Italy\ALS Global (17-25) | 17E28639 | 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 | |
|-------------------|--------|----------|-------------|-------------------|------------------|--------|--------------------|---------------------|--------|-------|------------|---------------|---------|-----------|------------|--------------|------------------------|----------|-------|------|------|-----|--------|---|
| 17E28643 | 1.8 % | 15-258 | Plagioclase | San Pietro Island | FCT-NM (8C23-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.8274 | 0.088 | 0.00159934 | 0.088 | 305.642 | 0.097 | 0.99169363 | 0.062 | 1 | 3.54E-14 | 25 | DEC | 2017 | 5 | 46 | 1 |
| 17E28645 | 1.9 % | 15-258 | Plagioclase | San Pietro Island | FCT-NM (8C23-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.8274 | 0.088 | 0.00159934 | 0.088 | 305.642 | 0.097 | 0.99169363 | 0.062 | 1 | 3.54E-14 | 25 | DEC | 2017 | 6 | 5 | 1 |
| 17E28646 | 2.0 % | 15-258 | Plagioclase | San Pietro Island | FCT-NM (8C23-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.8274 | 0.088 | 0.00159934 | 0.088 | 305.642 | 0.097 | 0.99169363 | 0.062 | 1 | 3.54E-14 | 25 | DEC | 2017 | 6 | 15 | 1 |
| 17E28647 | 2.2 % | 15-258 | Plagioclase | San Pietro Island | FCT-NM (8C23-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.8274 | 0.088 | 0.00159934 | 0.088 | 305.642 | 0.097 | 0.99169363 | 0.062 | 1 | 3.54E-14 | 25 | DEC | 2017 | 6 | 25 | 1 |
| 17E28649 | 2.4 % | 15-258 | Plagioclase | San Pietro Island | FCT-NM (8C23-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.8274 | 0.088 | 0.00159934 | 0.088 | 305.642 | 0.097 | 0.99169363 | 0.062 | 1 | 3.54E-14 | 25 | DEC | 2017 | 6 | 45 | 1 |
| 17E28650 | 2.7 % | 15-258 | Plagioclase | San Pietro Island | FCT-NM (8C23-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.8274 | 0.088 | 0.00159934 | 0.088 | 305.642 | 0.097 | 0.99169363 | 0.062 | 1 | 3.54E-14 | 25 | DEC | 2017 | 6 | 55 | 1 |
| 17E28651 | 3.0 % | 15-258 | Plagioclase | San Pietro Island | FCT-NM (8C23-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.8274 | 0.088 | 0.00159934 | 0.088 | 305.642 | 0.097 | 0.99169363 | 0.062 | 1 | 3.54E-14 | 25 | DEC | 2017 | 7 | 5 | 1 |
| 17E28653 | 3.2 % | 15-258 | Plagioclase | San Pietro Island | FCT-NM (8C23-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.8274 | 0.088 | 0.00159934 | 0.088 | 305.642 | 0.097 | 0.99169363 | 0.062 | 1 | 3.54E-14 | 25 | DEC | 2017 | 7 | 25 | 1 |
| 17E28654 | 3.4 % | 15-258 | Plagioclase | San Pietro Island | FCT-NM (8C23-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.8274 | 0.088 | 0.00159934 | 0.088 | 305.642 | 0.097 | 0.99169363 | 0.062 | 1 | 3.54E-14 | 25 | DEC | 2017 | 7 | 35 | 1 |
| 17E28655 | 3.6 % | 15-258 | Plagioclase | San Pietro Island | FCT-NM (8C23-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.8274 | 0.088 | 0.00159934 | 0.088 | 305.642 | 0.097 | 0.99169363 | 0.062 | 1 | 3.54E-14 | 25 | DEC | 2017 | 7 | 45 | 1 |
| 17E28657 | 3.9 % | 15-258 | Plagioclase | San Pietro Island | FCT-NM (8C23-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.8274 | 0.088 | 0.00159934 | 0.088 | 305.642 | 0.097 | 0.99169363 | 0.062 | 1 | 3.54E-14 | 25 | DEC | 2017 | 8 | 5 | 1 |
| 17E28658 | 4.2 % | 15-258 | Plagioclase | San Pietro Island | FCT-NM (8C23-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.8274 | 0.088 | 0.00159934 | 0.088 | 305.642 | 0.097 | 0.99169363 | 0.062 | 1 | 3.54E-14 | 25 | DEC | 2017 | 8 | 15 | 1 |
| 17E28659 | 4.5 % | 15-258 | Plagioclase | San Pietro Island | FCT-NM (8C23-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.8274 | 0.088 | 0.00159934 | 0.088 | 305.642 | 0.097 | 0.99169363 | 0.062 | 1 | 3.54E-14 | 25 | DEC | 2017 | 8 | 25 | 1 |
| 17E28661 | 4.8 % | 15-258 | Plagioclase | San Pietro Island | FCT-NM (8C23-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.8274 | 0.088 | 0.00159934 | 0.088 | 305.642 | 0.097 | 0.99169363 | 0.062 | 1 | 3.54E-14 | 25 | DEC | 2017 | 8 | 45 | 1 |
| 17E28662 | 5.1 % | 15-258 | Plagioclase | San Pietro Island | FCT-NM (8C23-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.8274 | 0.088 | 0.00159934 | 0.088 | 305.642 | 0.097 | 0.99169363 | 0.062 | 1 | 3.54E-14 | 25 | DEC | 2017 | 8 | 54 | 1 |
| 17E28663 | 5.4 % | 15-258 | Plagioclase | San Pietro Island | FCT-NM (8C23-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.8274 | 0.088 | 0.00159934 | 0.088 | 305.642 | 0.097 | 0.99169363 | 0.062 | 1 | 3.54E-14 | 25 | DEC | 2017 | 9 | 4 | 1 |
| 17E28665 | 5.8 % | 15-258 | Plagioclase | San Pietro Island | FCT-NM (8C23-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.8274 | 0.088 | 0.00159934 | 0.088 | 305.642 | 0.097 | 0.99169363 | 0.062 | 1 | 3.54E-14 | 25 | DEC | 2017 | 9 | 24 | 1 |
| 17E28666 | 6.2 % | 15-258 | Plagioclase | San Pietro Island | FCT-NM (8C23-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.8274 | 0.088 | 0.00159934 | 0.088 | 305.642 | 0.097 | 0.99169363 | 0.062 | 1 | 3.54E-14 | 25 | DEC | 2017 | 9 | 34 | 1 |
| 17E28667 | 6.8 % | 15-258 | Plagioclase | San Pietro Island | FCT-NM (8C23-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.8274 | 0.088 | 0.00159934 | 0.088 | 305.642 | 0.097 | 0.99169363 | 0.062 | 1 | 3.54E-14 | 25 | DEC | 2017 | 9 | 44 | 1 |
| 17E28669 | 7.4 % | 15-258 | Plagioclase | San Pietro Island | FCT-NM (8C23-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.8274 | 0.088 | 0.00159934 | 0.088 | 305.642 | 0.097 | 0.99169363 | 0.062 | 1 | 3.54E-14 | 25 | DEC | 2017 | 10 | 4 | 1 |
| 17E28670 | 8.2 % | 15-258 | Plagioclase | San Pietro Island | FCT-NM (8C23-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.8274 | 0.088 | 0.00159934 | 0.088 | 305.642 | 0.097 | 0.99169363 | 0.062 | 1 | 3.54E-14 | 25 | DEC | 2017 | 10 | 14 | 1 |
| 17E28671 | 9.1 % | 15-258 | Plagioclase | San Pietro Island | FCT-NM (8C23-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.8274 | 0.088 | 0.00159934 | 0.088 | 305.642 | 0.097 | 0.99169363 | 0.062 | 1 | 3.54E-14 | 25 | DEC | 2017 | 10 | 24 | 1 |
| 17E28673 | 10.1 % | 15-258 | Plagioclase | San Pietro Island | FCT-NM (8C23-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.8274 | 0.088 | 0.00159934 | 0.088 | 305.642 | 0.097 | 0.99169363 | 0.062 | 1 | 3.54E-14 | 25 | DEC | 2017 | 10 | 44 | 1 |
| 17E28674 | 11.2 % | 15-258 | Plagioclase | San Pietro Island | FCT-NM (8C23-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.8274 | 0.088 | 0.00159934 | 0.088 | 305.642 | 0.097 | 0.99169363 | 0.062 | 1 | 3.54E-14 | 25 | DEC | 2017 | 10 | 54 | 1 |
| 17E28675 | 12.3 % | 15-258 | Plagioclase | San Pietro Island | FCT-NM (8C23-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.8274 | 0.088 | 0.00159934 | 0.088 | 305.642 | 0.097 | 0.99169363 | 0.062 | 1 | 3.54E-14 | 25 | DEC | 2017 | 11 | 4 | 1 |
| 17E28677 | 13.5 % | 15-258 | Plagioclase | San Pietro Island | FCT-NM (8C23-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.8274 | 0.088 | 0.00159934 | 0.088 | 305.642 | 0.097 | 0.99169363 | 0.062 | 1 | 3.54E-14 | 25 | DEC | 2017 | 11 | 24 | 1 |
| 17E28678 | 14.8 % | 15-258 | Plagioclase | San Pietro Island | FCT-NM (8C23-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.8274 | 0.088 | 0.00159934 | 0.088 | 305.642 | 0.097 | 0.99169363 | 0.062 | 1 | 3.54E-14 | 25 | DEC | 2017 | 11 | 34 | 1 |
| 17E28679 | 15.9 % | 15-258 | Plagioclase | San Pietro Island | FCT-NM (8C23-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.8274 | 0.088 | 0.00159934 | 0.088 | 305.642 | 0.097 | 0.99169363 | 0.062 | 1 | 3.54E-14 | 25 | DEC | 2017 | 11 | 43 | 1 |
| 17E28681 | 17.0 % | 15-258 | Plagioclase | San Pietro Island | FCT-NM (8C23-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.8274 | 0.088 | 0.00159934 | 0.088 | 305.642 | 0.097 | 0.99169363 | 0.062 | 1 | 3.54E-14 | 25 | DEC | 2017 | 12 | 3 | 1 |
| 17E28683 | 18.5 % | 15-258 | Plagioclase | San Pietro Island | FCT-NM (8C23-17) | 28.201 | 0.082 | Kuiper et al (2008) | 9.8274 | 0.088 | 0.00159934 | 0.088 | 305.642 | 0.097 | 0.99169363 | 0.062 | 1 | 3.54E-14 | 25 | DEC | 2017 | 12 | 23 | 1 |

| Irradiation Constants | 40/36(a) | | 40/36(c) | | 38/36(a) | | 38/36(c) | | 39/37(ca) | | 38/37(ca) | | 36/37(ca) | | 40/39(k) | | 38/39(k) | | 36/38(cl) | | K/Ca | | K/Cl | | Ca/Cl | | |
|-----------------------|----------|-------|----------|-------|----------|--------|----------|-------|-----------|-----------|-----------|---------|-----------|-----------|----------|----------|----------|----------|-----------|---|------|------|------|---|-------|---|---|
| | %1σ | 0 | %1σ | 0 | %1σ | 0 | %1σ | 0 | %1σ | 0 | %1σ | 0 | %1σ | 0 | %1σ | 0 | %1σ | 0 | %1σ | 0 | %1σ | 0 | %1σ | 0 | %1σ | 0 | |
| 17E28643 | 1.8 % | 295.5 | 0 | 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 |
| 17E28645 | 1.9 % | 295.5 | 0 | 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 |
| 17E28646 | 2.0 % | 295.5 | 0 | 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 |
| 17E28647 | 2.2 % | 295.5 | 0 | 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 |
| 17E28649 | 2.4 % | 295.5 | 0 | 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 |
| 17E28650 | 2.7 % | 295.5 | 0 | 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 |
| 17E28651 | 3.0 % | 295.5 | 0 | 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 |
| 17E28653 | 3.2 % | 295.5 | 0 | 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 |
| 17E28654 | 3.4 % | 295.5 | 0 | 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 |
| 17E28655 | 3.6 % | 295.5 | 0 | 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 |
| 17E28657 | 3.9 % | 295.5 | 0 | 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 |
| 17E28658 | 4.2 % | 295.5 | 0 | 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 |
| 17E28659 | 4.5 % | 295.5 | 0 | 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 |
| 17E28661 | 4.8 % | 295.5 | 0 | 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 |
| 17E28662 | 5.1 % | 295.5 | 0 | 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 |
| 17E28663 | 5.4 % | 295.5 | 0 | 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 |
| 17E28665 | 5.8 % | 295.5 | 0 | 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 |
| 17E28666 | 6.2 % | 295.5 | 0 | 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 |
| 17E28667 | 6.8 % | 295.5 | 0 | 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 |
| 17E28669 | 7.4 % | 295.5 | 0 | 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 |
| 17E28670 | 8.2 % | 295.5 | 0 | 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 |
| 17E28671 | 9.1 % | 295.5 | 0 | 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 |
| 17E28673 | 10.1 % | 295.5 | 0 | 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 |
| 17E28674 | 11.2 % | 295.5 | 0 | 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 |
| 17E28675 | 12.3 % | 295.5 | 0 | 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 |
| 17E28677 | 13.5 % | 295.5 | 0 | 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 |
| 17E28678 | 14.8 % | 295.5 | 0 | 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 |
| 17E28679 | 15.9 % | 295.5 | 0 | 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 |
| 17E28681 | 17.0 % | 295.5 | 0 | 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 |
| 17E28683 | 18.5 % | 295.5 | 0 | 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 |

17E28639.AGE >>> 15-258 >>> ITALY | ALS GLOBAL (17-25) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

16.18 ± 0.03

TOTAL FUSION

16.29 ± 0.03

NORMAL ISOCHRON

16.24 ± 0.05

INVERSE ISOCHRON

16.18 ± 0.03

MSWD (PROBABILITY)

1.24 (23%)

Sample Info

Plagioclase

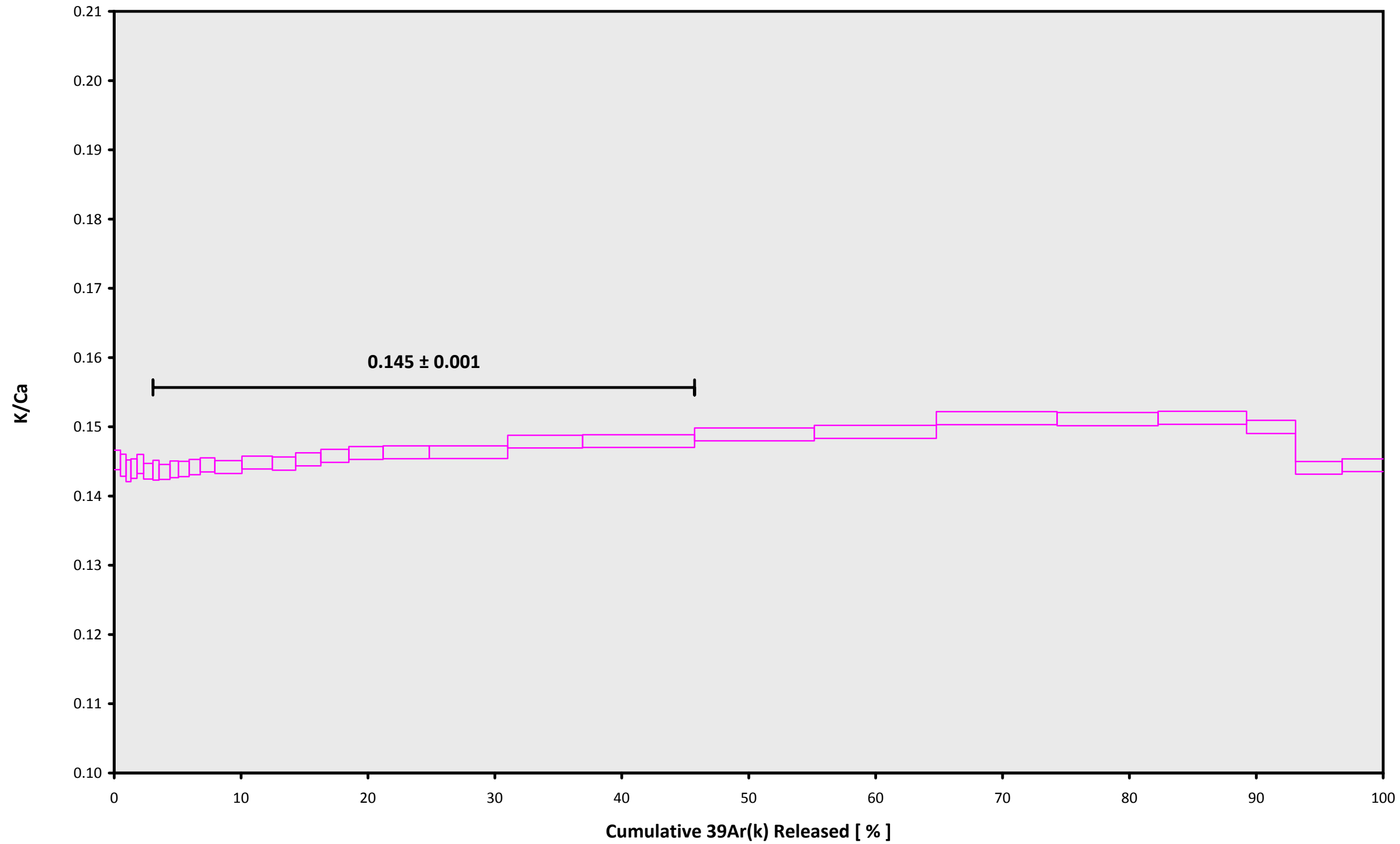
San Pietro Island

Dan Miggins

IRR = 17-OSU-08 (8C23-17)

J = 0.00159934 ± 0.00000141

17E28639.AGE >>> 15-258 >>> ITALY | ALS GLOBAL (17-25) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
 16.18 ± 0.03

TOTAL FUSION
 16.29 ± 0.03

NORMAL ISOCHRON
 16.24 ± 0.05

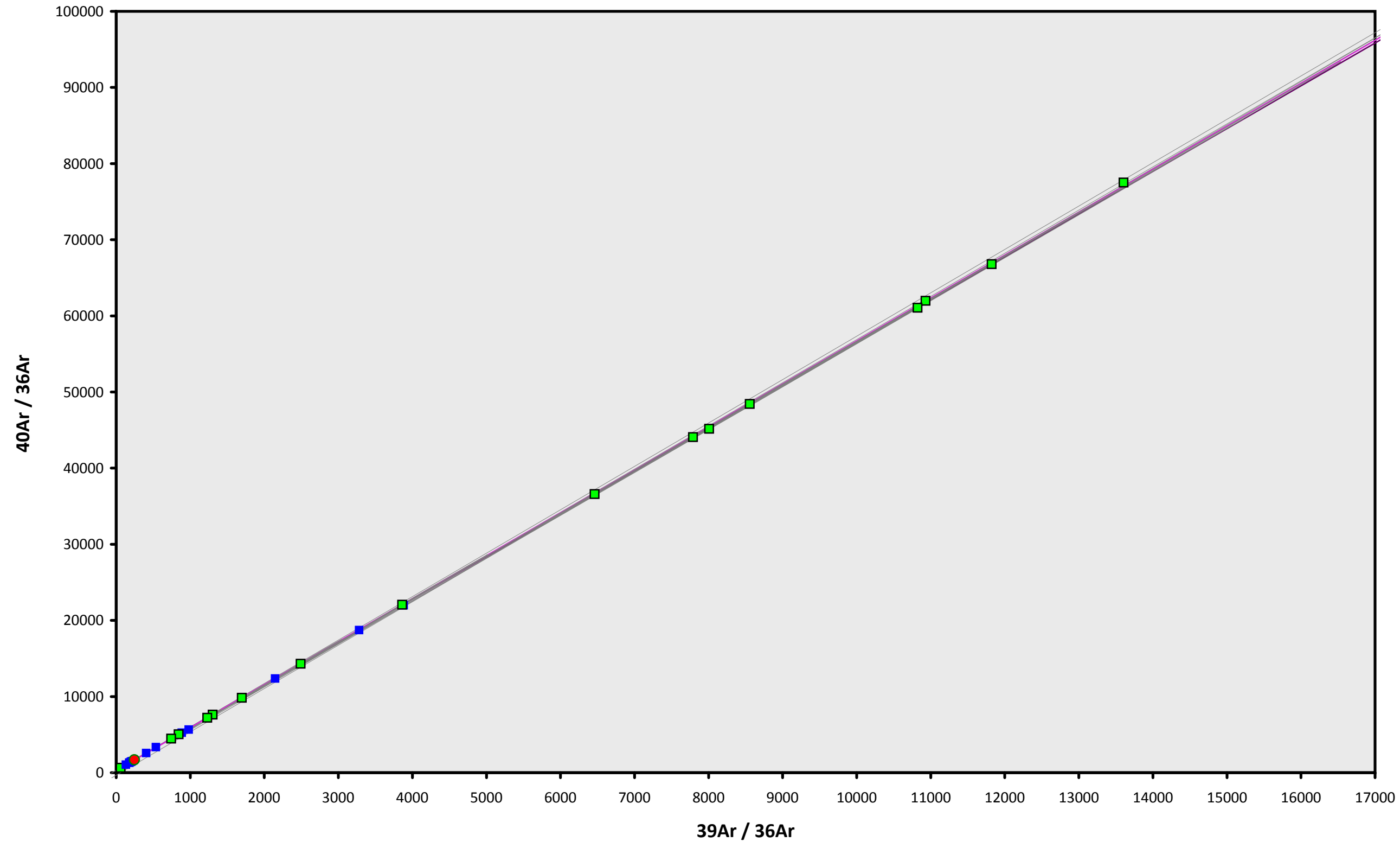
INVERSE ISOCHRON
 16.18 ± 0.03

Sample Info

Plagioclase
San Pietro Island
Dan Miggins

IRR = 17-OSU-08 (8C23-17)
 $J = 0.00159934 \pm 0.00000141$

17E28639.AGE >>> 15-258 >>> ITALY | ALS GLOBAL (17-25) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

16.18 ± 0.03

TOTAL FUSION

16.29 ± 0.03

NORMAL ISOCHRON

16.24 ± 0.05

INVERSE ISOCHRON

16.18 ± 0.03

MSWD (PROBABILITY)

13.68 (0%)

40AR/36AR INTERCEPT

291.0 ± 6.7

Sample Info

Plagioclase

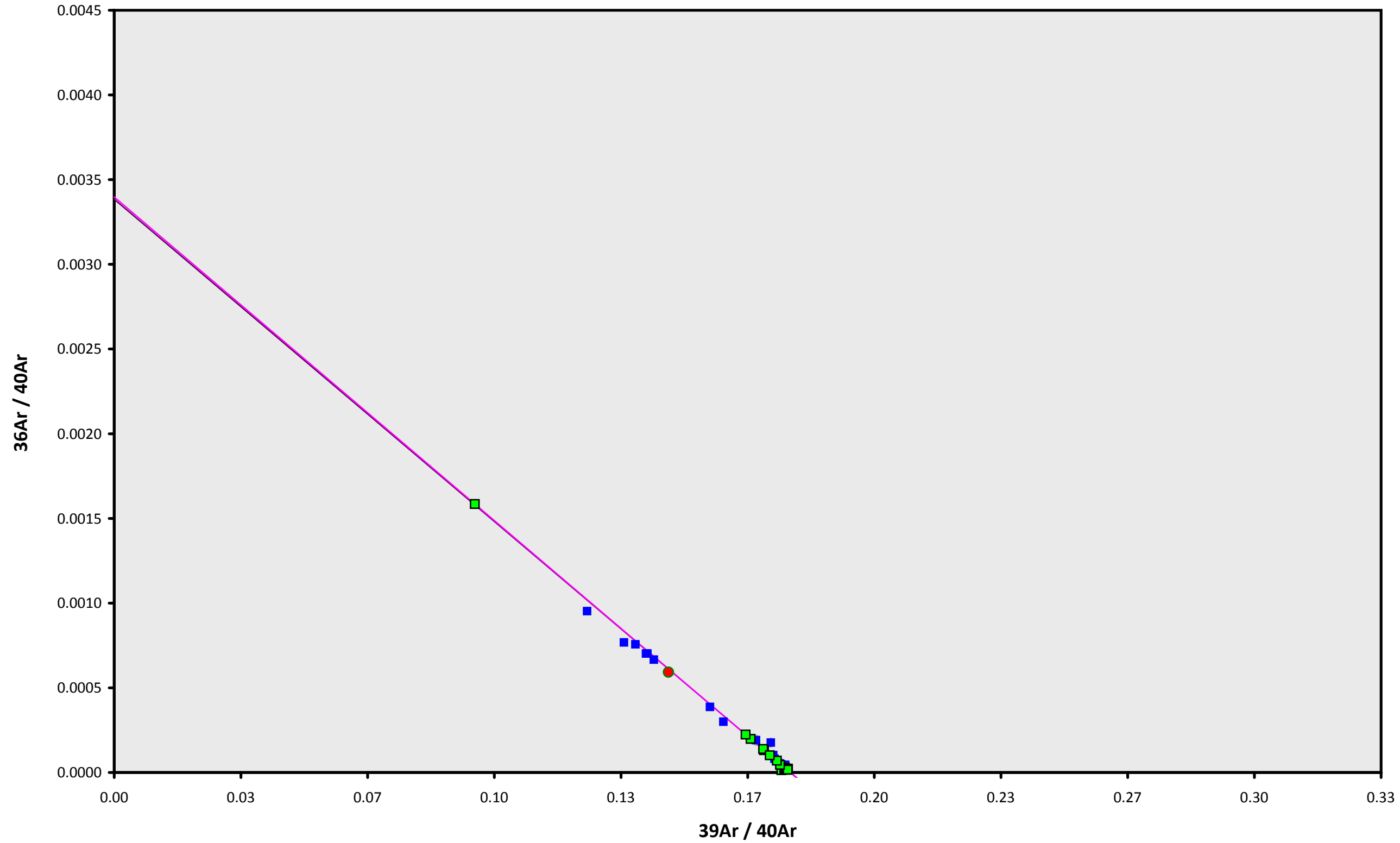
San Pietro Island

Dan Miggins

IRR = 17-OSU-08 (8C23-17)

J = 0.00159934 ± 0.00000141

17E28639.AGE >>> 15-258 >>> ITALY | ALS GLOBAL (17-25) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
16.18 ± 0.03

TOTAL FUSION
16.29 ± 0.03

NORMAL ISOCHRON
16.24 ± 0.05

INVERSE ISOCHRON
16.18 ± 0.03

MSWD (PROBABILITY)
1.22 (25%)

SPREADING FACTOR
46.3%

40AR/36AR INTERCEPT
294.3 ± 2.0

Sample Info

Plagioclase
San Pietro Island
Dan Miggins

IRR = 17-OSU-08 (8C23-17)
J = 0.00159934 ± 0.00000141

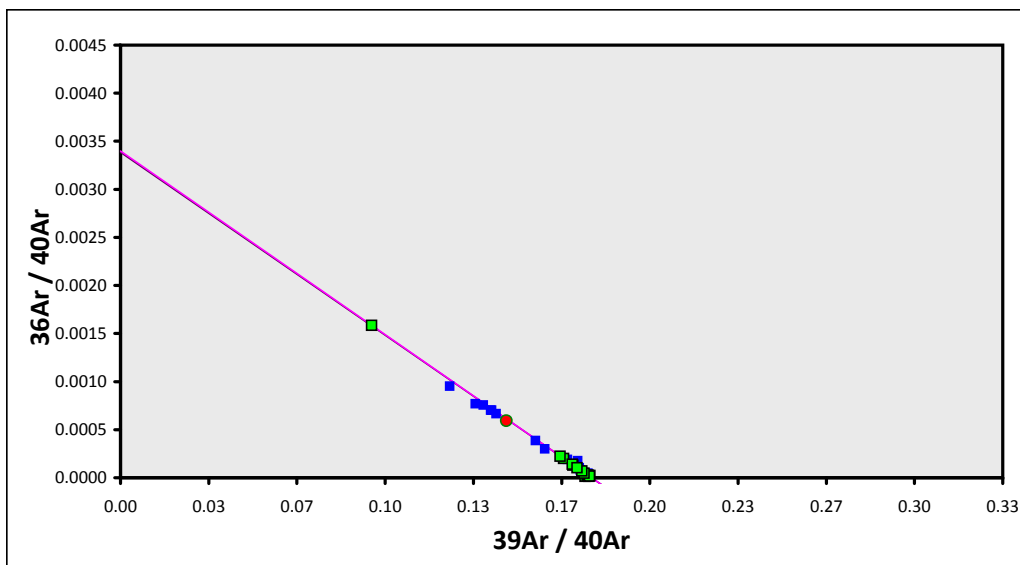
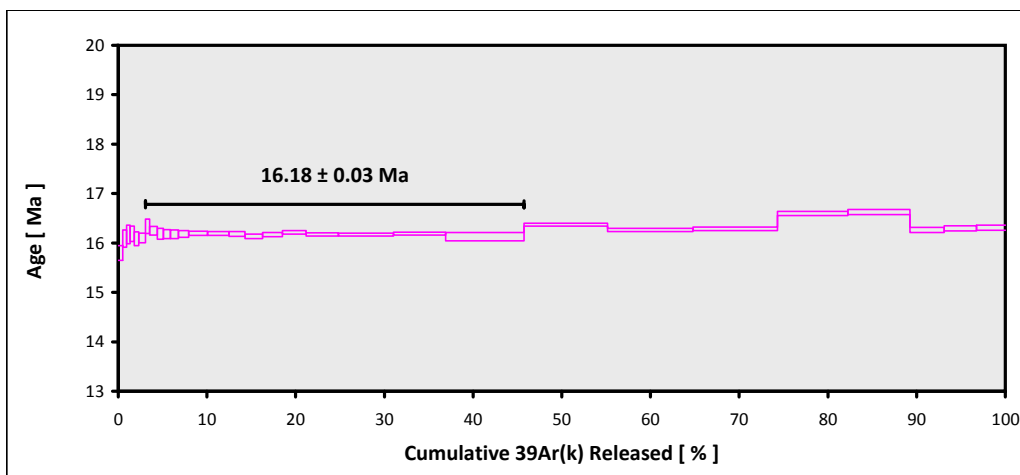
EXP#17E28639 > 15-258 > Plagioclase > ALS GLOBAL (17-25)
SW SARDINIA > SAN PIETRO ISLAND
17-OSU-08 (8C23-17) > Incremental Heating > Dan Miggins

**Information on Analysis
 and Constants Used in Calculations**

Project = ALS GLOBAL (17-25)
 Sample = 15-258
 Material = Plagioclase
 Location = San Pietro Island
 Region = SW Sardinia
 Analyst = Dan Miggins
 Irradiation = 17-OSU-08 (8C23-17)
 Position = X: 0 | Y: 0 | Z/H: 35.75094 mm
 FCT-NM Age = 28.201 ± 0.023 Ma
 FCT-NM Reference = Kuiper et al (2008)
 FCT-NM 40Ar/39Ar Ratio = 9.82740 ± 0.00865
 FCT-NM J-value = 0.00159934 ± 0.00000141
 Air Shot 40Ar/36Ar = 305.6420 ± 0.2965
 Air Shot MDF = 0.99169363 ± 0.00061976 (LIN)
 Experiment Type = Incremental Heating
 Extraction Method = Bulk Laser Heating
 Heating = 54 sec
 Isolation = 3.00 min
 Instrument = ARGUS-VI-E
 Preferred Age = Mini Plateau
 Age Classification = Eruption Age
 IGSN = 13.4
 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) = 295.50
 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

Slight excess argon

| Results | 40(a)/36(a) ± 2σ | 40(r)/39(k) ± 2σ | Age ± 2σ (Ma) | MSWD | 39Ar(k) (%n) | K/Ca ± 2σ |
|------------------|-----------------------|---------------------------|----------------------------|--------|---------------------|---------------|
| Age Plateau | | 5.62023 ± 0.00437 ± 0.08% | 16.18 ± 0.03 ± 0.19% | 1.24 | 42.69 | 0.145 ± 0.001 |
| | | | Full External Error ± 0.37 | 23% | 16 | |
| | | | Analytical Error ± 0.01 | 1.73 | 2σ Confidence Limit | |
| | | | | 1.1146 | Error Magnification | |
| Total Fusion Age | | 5.65642 ± 0.00413 ± 0.07% | 16.29 ± 0.03 ± 0.19% | | 30 | 0.148 ± 0.000 |
| | | | Full External Error ± 0.37 | | | |
| | | | Analytical Error ± 0.01 | | | |
| Normal Isochron | 290.98 ± 6.70 | 5.64184 ± 0.01268 ± 0.22% | 16.24 ± 0.05 ± 0.28% | 13.68 | 42.69 | |
| Error Chron | ± 2.30% | | | 0% | 16 | |
| | | | Full External Error ± 0.37 | 1.76 | 2σ Confidence Limit | |
| | | | Analytical Error ± 0.04 | 3.6993 | Error Magnification | |
| Inverse Isochron | 294.32 ± 2.03 ± 0.69% | 5.62110 ± 0.00456 ± 0.08% | 16.18 ± 0.03 ± 0.19% | 1.22 | 42.69 | |
| | | | Full External Error ± 0.37 | 25% | 16 | |
| | | | Analytical Error ± 0.01 | 1.76 | 2σ Confidence Limit | |
| | | | | 1.1031 | Error Magnification | |
| | | | | 46% | Spreading Factor | |



| 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 |
|---------------------|--------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-------------------|---------------|-------------|-------------|---------------|
| 17E28688 | 1.8 % | 0.4929679 | 0.344 | 16.0993 | 0.464 | 1.817576 | 0.559 | 9.8309 | 0.133 | 186.764 | 0.055 | 4.32118 ± 0.12584 | 12.48 ± 0.36 | 22.72 | 0.42 | 0.262 ± 0.003 |
| 17E28690 | 1.9 % | 0.0288686 | 1.728 | 10.0145 | 0.641 | 0.139752 | 6.871 | 6.5509 | 0.189 | 41.144 | 0.244 | 5.10535 ± 0.05817 | 14.74 ± 0.17 | 81.21 | 0.28 | 0.281 ± 0.004 |
| 17E28691 | 2.0 % | 0.0264838 | 1.946 | 10.8013 | 0.589 | 0.143452 | 6.989 | 7.1305 | 0.167 | 43.443 | 0.232 | 5.12076 ± 0.05429 | 14.78 ± 0.16 | 83.97 | 0.30 | 0.284 ± 0.003 |
| 17E28692 | 2.2 % | 0.0155620 | 2.949 | 8.9460 | 0.680 | 0.095741 | 9.994 | 6.0823 | 0.200 | 35.271 | 0.286 | 5.16475 ± 0.05944 | 14.91 ± 0.17 | 88.98 | 0.26 | 0.292 ± 0.004 |
| 17E28694 | 2.4 % | 0.0229901 | 2.189 | 15.2083 | 0.476 | 0.161531 | 5.996 | 10.5591 | 0.124 | 60.768 | 0.166 | 5.23101 ± 0.03657 | 15.10 ± 0.11 | 90.81 | 0.45 | 0.298 ± 0.003 |
| 17E28695 | 2.7 % | 0.0156944 | 3.102 | 15.1593 | 0.477 | 0.156008 | 5.948 | 10.7133 | 0.130 | 59.730 | 0.169 | 5.25967 ± 0.03562 | 15.18 ± 0.10 | 94.25 | 0.45 | 0.304 ± 0.003 |
| 17E28696 | 3.0 % | 0.0192785 | 2.441 | 21.5599 | 0.402 | 0.210356 | 4.658 | 15.6738 | 0.100 | 86.562 | 0.117 | 5.27326 ± 0.02442 | 15.22 ± 0.07 | 95.40 | 0.66 | 0.312 ± 0.003 |
| 17E28698 | 3.2 % | 0.0168647 | 2.742 | 27.2291 | 0.373 | 0.269201 | 3.512 | 20.5330 | 0.085 | 111.431 | 0.091 | 5.29406 ± 0.01891 | 15.28 ± 0.05 | 97.47 | 0.87 | 0.324 ± 0.002 |
| 17E28699 | 3.4 % | 0.0129469 | 3.398 | 25.7096 | 0.375 | 0.252224 | 3.845 | 19.8025 | 0.091 | 106.532 | 0.095 | 5.29402 ± 0.01928 | 15.28 ± 0.06 | 98.33 | 0.84 | 0.331 ± 0.003 |
| 17E28700 | 3.6 % | 0.0115973 | 3.834 | 27.4163 | 0.377 | 0.270962 | 3.327 | 21.4125 | 0.085 | 114.823 | 0.089 | 5.30841 ± 0.01801 | 15.32 ± 0.05 | 98.91 | 0.90 | 0.336 ± 0.003 |
| 17E28702 | 3.9 % | 0.0123456 | 3.752 | 27.9944 | 0.378 | 0.278672 | 3.547 | 22.1720 | 0.082 | 118.836 | 0.085 | 5.29974 ± 0.01770 | 15.30 ± 0.05 | 98.80 | 0.94 | 0.340 ± 0.003 |
| 17E28703 | 4.2 % | 0.0124939 | 3.522 | 31.4503 | 0.354 | 0.311246 | 3.136 | 25.1257 | 0.081 | 134.687 | 0.076 | 5.31725 ± 0.01575 | 15.35 ± 0.05 | 99.11 | 1.06 | 0.343 ± 0.002 |
| 17E28704 | 4.5 % | 0.0159291 | 3.022 | 41.8356 | 0.334 | 0.413786 | 2.422 | 33.6537 | 0.073 | 179.814 | 0.057 | 5.30613 ± 0.01305 | 15.32 ± 0.04 | 99.23 | 1.42 | 0.346 ± 0.002 |
| 17E28706 | 4.8 % | 0.0175394 | 2.596 | 48.4373 | 0.327 | 0.487762 | 1.901 | 39.5020 | 0.073 | 210.825 | 0.048 | 5.30739 ± 0.01159 | 15.32 ± 0.03 | 99.37 | 1.67 | 0.350 ± 0.002 |
| 17E28707 | 5.1 % | 0.0157215 | 3.067 | 48.0841 | 0.327 | 0.478752 | 2.033 | 39.3497 | 0.072 | 209.788 | 0.049 | 5.31447 ± 0.01178 | 15.34 ± 0.03 | 99.60 | 1.66 | 0.352 ± 0.002 |
| 17E28708 | 5.4 % | 0.0264051 | 1.945 | 60.7536 | 0.321 | 0.612864 | 1.533 | 50.0239 | 0.068 | 267.838 | 0.038 | 5.29874 ± 0.01036 | 15.29 ± 0.03 | 98.89 | 2.11 | 0.354 ± 0.002 |
| 17E28710 | 5.8 % | 0.0363496 | 1.445 | 71.0260 | 0.316 | 0.720613 | 1.352 | 58.4849 | 0.068 | 315.550 | 0.033 | 5.31229 ± 0.00964 | 15.33 ± 0.03 | 98.38 | 2.47 | 0.354 ± 0.002 |
| 17E28711 | 6.2 % | 0.0307635 | 1.677 | 89.5512 | 0.313 | 0.909217 | 1.067 | 73.7179 | 0.066 | 392.640 | 0.026 | 5.30350 ± 0.00862 | 15.31 ± 0.02 | 99.50 | 3.12 | 0.354 ± 0.002 |
| 17E28712 | 6.8 % | 0.0386536 | 1.331 | 114.4033 | 0.309 | 1.141757 | 0.836 | 94.1239 | 0.065 | 500.971 | 0.021 | 5.30173 ± 0.00797 | 15.30 ± 0.02 | 99.53 | 3.98 | 0.354 ± 0.002 |
| 17E28714 | 7.4 % | 0.0437778 | 1.213 | 124.7807 | 0.310 | 1.247971 | 0.798 | 101.8392 | 0.065 | 542.802 | 0.019 | 5.30440 ± 0.00783 | 15.31 ± 0.02 | 99.44 | 4.30 | 0.351 ± 0.002 |
| 17E28715 | 8.2 % | 0.0697813 | 0.805 | 202.9599 | 0.306 | 1.954091 | 0.519 | 162.6162 | 0.064 | 867.402 | 0.012 | 5.31058 ± 0.00724 | 15.33 ± 0.02 | 99.48 | 6.87 | 0.344 ± 0.002 |
| 17E28716 | 9.1 % | 0.0933762 | 0.698 | 250.4398 | 0.306 | 2.434853 | 0.429 | 200.8371 | 0.064 | 1073.686 | 0.010 | 5.31192 ± 0.00716 | 15.33 ± 0.02 | 99.28 | 8.49 | 0.345 ± 0.002 |
| 17E28718 | 10.1 % | 0.0940523 | 0.742 | 244.1554 | 0.306 | 2.375037 | 0.444 | 196.4342 | 0.064 | 1051.308 | 0.011 | 5.31339 ± 0.00722 | 15.34 ± 0.02 | 99.20 | 8.30 | 0.346 ± 0.002 |
| 17E28719 | 11.2 % | 0.1430011 | 0.529 | 309.4909 | 0.305 | 3.005051 | 0.334 | 247.8177 | 0.064 | 1335.012 | 0.008 | 5.31997 ± 0.00710 | 15.35 ± 0.02 | 98.68 | 10.47 | 0.344 ± 0.002 |
| 17E28720 | 12.3 % | 0.1822549 | 0.527 | 281.1225 | 0.306 | 2.759424 | 0.385 | 225.4661 | 0.063 | 1229.886 | 0.009 | 5.31924 ± 0.00732 | 15.35 ± 0.02 | 97.44 | 9.53 | 0.345 ± 0.002 |
| 17E28722 | 13.5 % | 0.2215453 | 0.464 | 242.2678 | 0.306 | 2.388083 | 0.430 | 194.7675 | 0.064 | 1081.927 | 0.010 | 5.32184 ± 0.00768 | 15.36 ± 0.02 | 95.73 | 8.23 | 0.345 ± 0.002 |
| 17E28723 | 14.8 % | 0.2727255 | 0.407 | 219.9664 | 0.306 | 2.158557 | 0.470 | 175.1362 | 0.064 | 993.716 | 0.011 | 5.31781 ± 0.00808 | 15.35 ± 0.02 | 93.65 | 7.40 | 0.342 ± 0.002 |
| 17E28724 | 15.9 % | 0.3070865 | 0.416 | 175.4727 | 0.307 | 1.711994 | 0.585 | 136.5534 | 0.064 | 803.024 | 0.014 | 5.32256 ± 0.00937 | 15.36 ± 0.03 | 90.43 | 5.77 | 0.334 ± 0.002 |
| 17E28726 | 17.0 % | 0.3232902 | 0.384 | 135.6790 | 0.309 | 1.345243 | 0.775 | 106.2673 | 0.065 | 650.306 | 0.016 | 5.32629 ± 0.01068 | 15.37 ± 0.03 | 86.97 | 4.49 | 0.337 ± 0.002 |
| 17E28728 | 18.5 % | 0.1988738 | 0.502 | 72.7501 | 0.317 | 0.699028 | 1.392 | 54.1824 | 0.068 | 340.156 | 0.031 | 5.30457 ± 0.01440 | 15.31 ± 0.04 | 84.42 | 2.29 | 0.320 ± 0.002 |
| | Σ | 2.8192203 | 0.144 | 2970.7646 | 0.077 | 30.950806 | 0.175 | 2366.3597 | 0.016 | 13146.640 | 0.004 | | | | | |

Information on Analysis and Constants Used in Calculations

Project = **ALS GLOBAL (17-25)**
 Sample = **ANT-12**
 Material = **Plagioclase**
 Location = **Sant Antioco Island,1 ...**
 Region = **SW Sardinia**
 Analyst = **Dan Miggins**
 Irradiation = **17-OSU-08 (8C22-17)**
 Position = **X: 0 | Y: 0 | Z/H: 34.23222 mm**
 FCT-NM Age = **28.201 ± 0.023 Ma**
 FCT-NM Reference = **Kuiper et al (2008)**
 FCT-NM 40Ar/39Ar Ratio = **9.80552 ± 0.00863**
 FCT-NM J-value = **0.00160291 ± 0.00000141**
 Air Shot 40Ar/36Ar = **305.5690 ± 0.2903**
 Air Shot MDF = **0.99175144 ± 0.00061809 (LIN)**
 Experiment Type = **Incremental Heating**
 Extraction Method = **Bulk Laser Heating**
 Heating = **54 sec**
 Isolation = **3.00 min**
 Instrument = **ARGUS-VI-E**
 Preferred Age = **Plateau Age**
 Age Classification = **Eruption Age**
 IGSN = **13.4**
 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) = **295.50 ± 0.70**
 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 | | 5.31733 ± 0.00334 ± 0.06% | 15.35 ± 0.03 ± 0.19% Full External Error ± 0.35 Analytical Error ± 0.01 | 1.65 10% | 69.55 9 | 0.342 ± 0.003 |
| Total Fusion Age | | 5.30757 ± 0.00211 ± 0.04% | 15.32 ± 0.03 ± 0.18% Full External Error ± 0.35 Analytical Error ± 0.01 | 2.00 | 30 | 0.342 ± 0.001 |
| Normal Isochron | 302.74 ± 4.11 ± 1.36% | 5.31045 ± 0.00419 ± 0.08% | 15.33 ± 0.03 ± 0.19% Full External Error ± 0.35 Analytical Error ± 0.01 | 1.45 18% | 69.55 9 | 0.342 ± 0.001 |
| Inverse Isochron | 300.31 ± 3.41 ± 1.13% | 5.31415 ± 0.00347 ± 0.07% | 15.34 ± 0.03 ± 0.19% Full External Error ± 0.35 Analytical Error ± 0.01 | 1.2040 1 | 69.55 9 | 0.342 ± 0.001 |
| Notes | | | | 0.0000026255 | 2 2 | Convergence |
| Slight excess argon | | | | 13% | 13% | 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 |
|---------------------|--------|-----------------|------------------|------------------|-----------------|-----------------|------------------|----------------|----------------|---------------|
| 17E28688 | 1.8 % | 0.4883976 | 16.0993 | 1.6047930 | 9.8206 | 42.437 | 12.48 ± 0.36 | 22.72 | 0.42 | 0.262 ± 0.003 |
| 17E28690 | 1.9 % | 0.0261543 | 10.0145 | 0.0540233 | 6.5445 | 33.412 | 14.74 ± 0.17 | 81.21 | 0.28 | 0.281 ± 0.004 |
| 17E28691 | 2.0 % | 0.0235573 | 10.8013 | 0.0510738 | 7.1235 | 36.478 | 14.78 ± 0.16 | 83.97 | 0.30 | 0.284 ± 0.003 |
| 17E28692 | 2.2 % | 0.0131414 | 8.9460 | 0.0182881 | 6.0766 | 31.384 | 14.91 ± 0.17 | 88.98 | 0.26 | 0.292 ± 0.004 |
| 17E28694 | 2.4 % | 0.0188755 | 15.2083 | 0.0278615 | 10.5493 | 55.184 | 15.10 ± 0.11 | 90.81 | 0.45 | 0.298 ± 0.003 |
| 17E28695 | 2.7 % | 0.0115938 | 15.1593 | 0.0218456 | 10.7035 | 56.297 | 15.18 ± 0.10 | 94.25 | 0.45 | 0.304 ± 0.003 |
| 17E28696 | 3.0 % | 0.0134488 | 21.5599 | 0.0148372 | 15.6599 | 82.579 | 15.22 ± 0.07 | 95.40 | 0.66 | 0.312 ± 0.003 |
| 17E28698 | 3.2 % | 0.0095026 | 27.2291 | 0.0147583 | 20.5155 | 108.610 | 15.28 ± 0.05 | 97.47 | 0.87 | 0.324 ± 0.002 |
| 17E28699 | 3.4 % | 0.0059966 | 25.7096 | 0.0075197 | 19.7860 | 104.748 | 15.28 ± 0.06 | 98.33 | 0.84 | 0.331 ± 0.003 |
| 17E28700 | 3.6 % | 0.0041857 | 27.4163 | 0.0068585 | 21.3949 | 113.573 | 15.32 ± 0.05 | 98.91 | 0.90 | 0.336 ± 0.003 |
| 17E28702 | 3.9 % | 0.0047780 | 27.9944 | 0.0051869 | 22.1540 | 117.410 | 15.30 ± 0.05 | 98.80 | 0.94 | 0.340 ± 0.003 |
| 17E28703 | 4.2 % | 0.0039927 | 31.4503 | 0.0016404 | 25.1055 | 133.492 | 15.35 ± 0.05 | 99.11 | 1.06 | 0.343 ± 0.002 |
| 17E28704 | 4.5 % | 0.0046209 | 41.8356 | 0.0000000 | 33.6268 | 178.428 | 15.32 ± 0.04 | 99.23 | 1.42 | 0.346 ± 0.002 |
| 17E28706 | 4.8 % | 0.0044466 | 48.4373 | 0.0015218 | 39.4709 | 209.488 | 15.32 ± 0.03 | 99.37 | 1.67 | 0.350 ± 0.002 |
| 17E28707 | 5.1 % | 0.0027244 | 48.0841 | 0.0000000 | 39.3188 | 208.959 | 15.34 ± 0.03 | 99.60 | 1.66 | 0.352 ± 0.002 |
| 17E28708 | 5.4 % | 0.0099834 | 60.7536 | 0.0000000 | 49.9849 | 264.857 | 15.29 ± 0.03 | 98.89 | 2.11 | 0.354 ± 0.002 |
| 17E28710 | 5.8 % | 0.0171513 | 71.0260 | 0.0000000 | 58.4393 | 310.446 | 15.33 ± 0.03 | 98.38 | 2.47 | 0.354 ± 0.002 |
| 17E28711 | 6.2 % | 0.0065575 | 89.5512 | 0.0022767 | 73.6603 | 390.657 | 15.31 ± 0.02 | 99.50 | 3.12 | 0.354 ± 0.002 |
| 17E28712 | 6.8 % | 0.0077304 | 114.4033 | 0.0000000 | 94.0504 | 498.630 | 15.30 ± 0.02 | 99.53 | 3.98 | 0.354 ± 0.002 |
| 17E28714 | 7.4 % | 0.0100496 | 124.7807 | 0.0000000 | 101.7590 | 539.771 | 15.31 ± 0.02 | 99.44 | 4.30 | 0.351 ± 0.002 |
| 17E28715 | 8.2 % | ✓ 0.0149212 | 202.9599 | 0.0000000 | 162.4858 | 862.894 | 15.33 ± 0.02 | 99.48 | 6.87 | 0.344 ± 0.002 |
| 17E28716 | 9.1 % | ✓ 0.0256823 | 250.4398 | 0.0000000 | 200.6762 | 1065.975 | 15.33 ± 0.02 | 99.28 | 8.49 | 0.345 ± 0.002 |
| 17E28718 | 10.1 % | ✓ 0.0280571 | 244.1554 | 0.0000000 | 196.2773 | 1042.898 | 15.34 ± 0.02 | 99.20 | 8.30 | 0.346 ± 0.002 |
| 17E28719 | 11.2 % | ✓ 0.0593457 | 309.4909 | 0.0000000 | 247.6188 | 1317.325 | 15.35 ± 0.02 | 98.68 | 10.47 | 0.344 ± 0.002 |
| 17E28720 | 12.3 % | ✓ 0.1062675 | 281.1225 | 0.0000000 | 225.2854 | 1198.347 | 15.35 ± 0.02 | 97.44 | 9.53 | 0.345 ± 0.002 |
| 17E28722 | 13.5 % | ✓ 0.1560603 | 242.2678 | 0.0000000 | 194.6119 | 1035.693 | 15.36 ± 0.02 | 95.73 | 8.23 | 0.345 ± 0.002 |
| 17E28723 | 14.8 % | ✓ 0.2132686 | 219.9664 | 0.0000000 | 174.9948 | 930.589 | 15.35 ± 0.02 | 93.65 | 7.40 | 0.342 ± 0.002 |
| 17E28724 | 15.9 % | ✓ 0.2596562 | 175.4727 | 0.0000000 | 136.4406 | 726.213 | 15.36 ± 0.03 | 90.43 | 5.77 | 0.334 ± 0.002 |
| 17E28726 | 17.0 % | ✓ 0.2866161 | 135.6790 | 0.0000000 | 106.1801 | 565.546 | 15.37 ± 0.03 | 86.97 | 4.49 | 0.337 ± 0.002 |
| 17E28728 | 18.5 % | 0.1792095 | 72.7501 | 0.0000000 | 54.1357 | 287.166 | 15.31 ± 0.04 | 84.42 | 2.29 | 0.320 ± 0.002 |
| Σ | | 2.0159729 | 2970.7646 | 1.8324848 | 2364.4509 | 12549.485 | | | | |

| Information on Analysis | Results | 40(r)/39(k) ± 2σ | Age ± 2σ (Ma) | MSWD | 39Ar(k) (%,n) | K/Ca ± 2σ |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------------------------|-------------------------------------------------------|----------------|--------------------------------------------|---------------|
| Project = ALS GLOBAL (17-25) Sample = ANT-12 Material = Plagioclase Location = Sant Antioco Island,1 ... Region = SW Sardinia Analyst = Dan Miggins Irradiation = 17-OSU-08 (8C22-17) J = 0.00160291 ± 0.00000141 FCT-NM = 28.201 ± 0.023 Ma | Age Plateau | 5.31733 ± 0.00334 ± 0.06% | 15.35 ± 0.03 ± 0.19% | 1.65 10% | 69.55 9 | 0.342 ± 0.003 |
| | | | Full External Error ± 0.35 Analytical Error ± 0.01 | 2.00 1.2862 | 2σ Confidence Limit Error Magnification | |
| | Total Fusion Age | 5.30757 ± 0.00211 ± 0.04% | 15.32 ± 0.03 ± 0.18% | | 30 | 0.342 ± 0.001 |
| | | | Full External Error ± 0.35 Analytical Error ± 0.01 | | | |

| Normal Isochron | | 39(k)/36(a) ± 2σ | 40(a+r)/36(a) ± 2σ | r.i. |
|-----------------|----------|--------------------|---------------------|--------|
| 17E28688 | 1.8 % | 20.11 ± 0.15 | 382.39 ± 2.69 | 0.9223 |
| 17E28690 | 1.9 % | 250.23 ± 9.60 | 1572.99 ± 60.54 | 0.9870 |
| 17E28691 | 2.0 % | 302.39 ± 13.28 | 1843.97 ± 81.19 | 0.9915 |
| 17E28692 | 2.2 % | 462.40 ± 32.37 | 2683.68 ± 188.19 | 0.9950 |
| 17E28694 | 2.4 % | 558.89 ± 29.86 | 3219.06 ± 172.10 | 0.9970 |
| 17E28695 | 2.7 % | 923.21 ± 77.63 | 5151.27 ± 433.30 | 0.9987 |
| 17E28696 | 3.0 % | 1164.41 ± 81.65 | 6435.73 ± 451.34 | 0.9990 |
| 17E28698 | 3.2 % | 2158.92 ± 210.60 | 11724.98 ± 1143.80 | 0.9997 |
| 17E28699 | 3.4 % | 3299.55 ± 485.14 | 17763.39 ± 2611.82 | 0.9998 |
| 17E28700 | 3.6 % | 5111.41 ± 1088.62 | 27428.97 ± 5841.79 | 0.9999 |
| 17E28702 | 3.9 % | 4636.64 ± 901.00 | 24868.50 ± 4832.47 | 0.9999 |
| 17E28703 | 4.2 % | 6287.85 ± 1389.97 | 33729.54 ± 7456.11 | 0.9999 |
| 17E28704 | 4.5 % | 7277.13 ± 1522.15 | 38908.89 ± 8138.44 | 1.0000 |
| 17E28706 | 4.8 % | 8876.68 ± 1827.94 | 47407.50 ± 9762.28 | 1.0000 |
| 17E28707 | 5.1 % | 14432.19 ± 5133.04 | 76994.90 ± 27384.34 | 1.0000 |
| 17E28708 | 5.4 % | 5006.78 ± 518.71 | 26825.14 ± 2778.95 | 0.9999 |
| 17E28710 | 5.8 % | 3407.28 ± 210.50 | 18395.97 ± 1136.28 | 0.9997 |
| 17E28711 | 6.2 % | 11233.03 ± 1792.36 | 59869.84 ± 9552.65 | 1.0000 |
| 17E28712 | 6.8 % | 12166.37 ± 1656.10 | 64798.34 ± 8820.05 | 0.9999 |
| 17E28714 | 7.4 % | 10125.71 ± 1096.76 | 54006.36 ± 5849.28 | 0.9999 |
| 17E28715 | 8.2 % ✓ | 10889.60 ± 866.97 | 58125.57 ± 4627.07 | 0.9999 |
| 17E28716 | 9.1 % ✓ | 7813.79 ± 422.27 | 41801.70 ± 2258.40 | 0.9997 |
| 17E28718 | 10.1 % ✓ | 6995.63 ± 366.59 | 37466.02 ± 1962.74 | 0.9997 |
| 17E28719 | 11.2 % ✓ | 4172.48 ± 114.08 | 22492.98 ± 614.32 | 0.9989 |
| 17E28720 | 12.3 % ✓ | 2119.98 ± 39.85 | 11572.20 ± 217.04 | 0.9977 |
| 17E28722 | 13.5 % ✓ | 1247.03 ± 16.91 | 6931.99 ± 93.57 | 0.9954 |
| 17E28723 | 14.8 % ✓ | 820.54 ± 8.75 | 4658.96 ± 49.33 | 0.9926 |
| 17E28724 | 15.9 % ✓ | 525.47 ± 5.26 | 3092.32 ± 30.72 | 0.9913 |
| 17E28726 | 17.0 % ✓ | 370.46 ± 3.26 | 2268.68 ± 19.79 | 0.9885 |
| 17E28728 | 18.5 % | 302.08 ± 3.40 | 1897.91 ± 21.22 | 0.9912 |

| Results | 40(a)/36(a) ± 2σ | 40(r)/39(k) ± 2σ | Age ± 2σ (Ma) | MSWD |
|-----------------|---------------------------------------------------------------------|------------------------------|--------------------------------------------------------|----------------------------------------|
| Normal Isochron | 302.74 ± 4.11 ± 1.36% | 5.31045 ± 0.00419 ± 0.08% | 15.33 ± 0.03 ± 0.19% | 1.45 18% |
| | | | Full External Error ± 0.35 Analytical Error ± 0.01 | |
| Statistics | 2σ Confidence Limit Error Magnification Number of Data Points | 2.07 1.2040 9 | Convergence Number of Iterations Calculated Line | 0.000002625502 1 Weighted York-2 |

| Inverse Isochron | | 39(k)/40(a+r) ± 2σ | 36(a)/40(a+r) ± 2σ | r.i. |
|------------------|--------|-------------------------|-------------------------|--------|
| 17E28688 | 1.8 % | 0.0525845 ± 0.0001514 | 0.00261514 ± 0.00001839 | 0.0602 |
| 17E28690 | 1.9 % | 0.1590765 ± 0.0009842 | 0.00063573 ± 0.00002447 | 0.1004 |
| 17E28691 | 2.0 % | 0.1639890 ± 0.0009385 | 0.00054231 ± 0.00002388 | 0.0854 |
| 17E28692 | 2.2 % | 0.1723005 ± 0.0012030 | 0.00037262 ± 0.00002613 | 0.0668 |
| 17E28694 | 2.4 % | 0.1736192 ± 0.0007201 | 0.00031065 ± 0.00001661 | 0.0497 |
| 17E28695 | 2.7 % | 0.1792195 ± 0.0007640 | 0.00019413 ± 0.00001633 | 0.0319 |
| 17E28696 | 3.0 % | 0.1809289 ± 0.0005568 | 0.00015538 ± 0.00001090 | 0.0254 |
| 17E28698 | 3.2 % | 0.1841303 ± 0.0004591 | 0.00008529 ± 0.00000832 | 0.0136 |
| 17E28699 | 3.4 % | 0.1857502 ± 0.0004896 | 0.00005630 ± 0.00000828 | 0.0094 |
| 17E28700 | 3.6 % | 0.1863508 ± 0.0004588 | 0.00003646 ± 0.00000776 | 0.0060 |
| 17E28702 | 3.9 % | 0.1864465 ± 0.0004422 | 0.00004021 ± 0.00000781 | 0.0063 |
| 17E28703 | 4.2 % | 0.1864196 ± 0.0004133 | 0.00002965 ± 0.00000655 | 0.0047 |
| 17E28704 | 4.5 % | 0.1870299 ± 0.0003482 | 0.00002570 ± 0.00000538 | 0.0033 |
| 17E28706 | 4.8 % | 0.1872420 ± 0.0003289 | 0.00002109 ± 0.00000434 | 0.0026 |
| 17E28707 | 5.1 % | 0.1874435 ± 0.0003260 | 0.00001299 ± 0.00000462 | 0.0015 |
| 17E28708 | 5.4 % | 0.1866451 ± 0.0002935 | 0.00003728 ± 0.00000386 | 0.0036 |
| 17E28710 | 5.8 % | 0.1852190 ± 0.0002784 | 0.00005436 ± 0.00000336 | 0.0046 |
| 17E28711 | 6.2 % | 0.1876241 ± 0.0002662 | 0.00001670 ± 0.00000267 | 0.0012 |
| 17E28712 | 6.8 % | 0.1877574 ± 0.0002566 | 0.00001543 ± 0.00000210 | 0.0010 |
| 17E28714 | 7.4 % | 0.1874911 ± 0.0002531 | 0.00001852 ± 0.00000201 | 0.0010 |
| 17E28715 | 8.2 % | ✓ 0.1873461 ± 0.0002438 | 0.00001720 ± 0.00000137 | 0.0006 |
| 17E28716 | 9.1 % | ✓ 0.1869252 ± 0.0002415 | 0.00002392 ± 0.00000129 | 0.0006 |
| 17E28718 | 10.1 % | ✓ 0.1867194 ± 0.0002412 | 0.00002669 ± 0.00000140 | 0.0007 |
| 17E28719 | 11.2 % | ✓ 0.1855014 ± 0.0002380 | 0.00004446 ± 0.00000121 | 0.0008 |
| 17E28720 | 12.3 % | ✓ 0.1831963 ± 0.0002344 | 0.00008641 ± 0.00000162 | 0.0014 |
| 17E28722 | 13.5 % | ✓ 0.1798948 ± 0.0002326 | 0.00014426 ± 0.00000195 | 0.0024 |
| 17E28723 | 14.8 % | ✓ 0.1761203 ± 0.0002288 | 0.00021464 ± 0.00000227 | 0.0036 |
| 17E28724 | 15.9 % | ✓ 0.1699260 ± 0.0002235 | 0.00032338 ± 0.00000321 | 0.0057 |
| 17E28726 | 17.0 % | ✓ 0.1632933 ± 0.0002176 | 0.00044078 ± 0.00000385 | 0.0093 |
| 17E28728 | 18.5 % | 0.1591651 ± 0.0002370 | 0.00052690 ± 0.00000589 | 0.0224 |

| Results | 40(a)/36(a) ± 2σ | 40(r)/39(k) ± 2σ | Age ± 2σ (Ma) | MSWD |
|------------------|-----------------------------------------------------------------------------------------|------------------------------|--------------------------------------------------------|--------------------------------------|
| Inverse Isochron | 300.31 ± 3.41 ± 1.13% | 5.31415 ± 0.00347 ± 0.07% | 15.34 ± 0.03 ± 0.19% | 0.82 57% |
| | | | Full External Error ± 0.35 Analytical Error ± 0.01 | |
| Statistics | 2σ Confidence Limit Error Magnification Number of Data Points Spreading Factor | 2.07 1.0000 9 12.8% | Convergence Number of Iterations Calculated Line | 0.0000201131 2 Weighted York-2 |

| 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 |
|--------------------|--------|-----------------|-------|-----------------|------|------------------|------|------------------|--------|------------------|------|-----------------|-------|-----------------|------|-----------------|------|------------------|------|------------------|--------|-----------------|------|------------------|------|-----------------|------|-----------------|-------|-----------------|------|-----------------|------|
| 17E28688 | 1.8 % | 0.4883976 | 0.35 | 0.0000000 | 0.00 | 0.0043516 | 0.49 | 0.0002187 | 1.12 | 16.0993 | 0.46 | 0.0912815 | 0.35 | 0.0000000 | 0.00 | 0.118603 | 0.16 | 0.0028979 | 9.64 | 1.6047930 | 1.45 | 9.8206 | 0.13 | 0.0103438 | 1.03 | 42.437 | 1.45 | 144.32149 | 0.42 | 0.0000000 | 0.00 | 0.0059611 | 9.65 |
| 17E28690 | 1.9 % | 0.0261543 | 1.91 | 0.0000000 | 0.00 | 0.0027069 | 0.66 | 0.0000074 | 17.80 | 10.0145 | 0.64 | 0.0048882 | 1.91 | 0.0000000 | 0.00 | 0.079037 | 0.21 | 0.0018026 | 9.65 | 0.0540233 | 17.83 | 6.5445 | 0.19 | 0.0064343 | 1.12 | 33.412 | 0.54 | 7.72859 | 1.92 | 0.0000000 | 0.00 | 0.0039725 | 9.65 |
| 17E28691 | 2.0 % | 0.0235573 | 2.19 | 0.0000000 | 0.00 | 0.0029196 | 0.61 | 0.0000070 | 19.66 | 10.8013 | 0.59 | 0.0044029 | 2.19 | 0.0000000 | 0.00 | 0.086031 | 0.19 | 0.0019442 | 9.65 | 0.0510738 | 19.68 | 7.1235 | 0.17 | 0.0069399 | 1.09 | 36.478 | 0.50 | 6.96118 | 2.20 | 0.0000000 | 0.00 | 0.0043240 | 9.65 |
| 17E28692 | 2.2 % | 0.0131414 | 3.49 | 0.0000000 | 0.00 | 0.0024181 | 0.70 | 0.0000025 | 52.35 | 8.9460 | 0.68 | 0.0024561 | 3.49 | 0.0000000 | 0.00 | 0.073387 | 0.22 | 0.0016103 | 9.65 | 0.0182881 | 52.36 | 6.0766 | 0.20 | 0.0057478 | 1.14 | 31.384 | 0.54 | 3.88328 | 3.50 | 0.0000000 | 0.00 | 0.0036885 | 9.65 |
| 17E28694 | 2.4 % | 0.0188755 | 2.67 | 0.0000000 | 0.00 | 0.0041108 | 0.51 | 0.0000038 | 34.80 | 15.2083 | 0.48 | 0.0035278 | 2.67 | 0.0000000 | 0.00 | 0.127404 | 0.15 | 0.0027375 | 9.64 | 0.0278615 | 34.81 | 10.5493 | 0.12 | 0.0097713 | 1.04 | 55.184 | 0.33 | 5.57770 | 2.68 | 0.0000000 | 0.00 | 0.0064034 | 9.65 |
| 17E28695 | 2.7 % | 0.0115938 | 4.20 | 0.0000000 | 0.00 | 0.0040976 | 0.51 | 0.0000030 | 42.51 | 15.1593 | 0.48 | 0.0021669 | 4.20 | 0.0000000 | 0.00 | 0.129267 | 0.16 | 0.0027287 | 9.64 | 0.0218456 | 42.52 | 10.7035 | 0.13 | 0.0097399 | 1.04 | 56.297 | 0.31 | 3.42598 | 4.21 | 0.0000000 | 0.00 | 0.0064970 | 9.65 |
| 17E28696 | 3.0 % | 0.0134488 | 3.50 | 0.0000000 | 0.00 | 0.0058276 | 0.44 | 0.0000020 | 66.13 | 21.5599 | 0.40 | 0.0025136 | 3.50 | 0.0000000 | 0.00 | 0.189125 | 0.13 | 0.0038808 | 9.64 | 0.0148372 | 66.13 | 15.6599 | 0.10 | 0.0138522 | 1.00 | 82.579 | 0.21 | 3.97412 | 3.51 | 0.0000000 | 0.00 | 0.0095056 | 9.65 |
| 17E28698 | 3.2 % | 0.0095026 | 4.88 | 0.0000000 | 0.00 | 0.0073600 | 0.41 | 0.0000020 | 64.18 | 27.2291 | 0.37 | 0.0017760 | 4.88 | 0.0000000 | 0.00 | 0.247766 | 0.12 | 0.0049012 | 9.64 | 0.0147583 | 64.19 | 20.5155 | 0.09 | 0.0174947 | 0.99 | 108.610 | 0.16 | 2.80803 | 4.88 | 0.0000000 | 0.00 | 0.0124529 | 9.65 |
| 17E28699 | 3.4 % | 0.0059966 | 7.35 | 0.0000000 | 0.00 | 0.0069493 | 0.41 | 0.0000010 | 129.19 | 25.7096 | 0.37 | 0.0011208 | 7.35 | 0.0000000 | 0.00 | 0.238956 | 0.13 | 0.0046277 | 9.64 | 0.0075197 | 129.19 | 19.7860 | 0.09 | 0.0165184 | 0.99 | 104.748 | 0.16 | 1.77199 | 7.35 | 0.0000000 | 0.00 | 0.0120101 | 9.65 |
| 17E28700 | 3.6 % | 0.0041857 | 10.65 | 0.0000000 | 0.00 | 0.0074106 | 0.41 | 0.0000009 | 131.71 | 27.4163 | 0.38 | 0.0007823 | 10.65 | 0.0000000 | 0.00 | 0.258386 | 0.12 | 0.0049349 | 9.64 | 0.0068585 | 131.71 | 21.3949 | 0.09 | 0.0176150 | 0.99 | 113.573 | 0.15 | 1.23688 | 10.65 | 0.0000000 | 0.00 | 0.0129867 | 9.65 |
| 17E28702 | 3.9 % | 0.0047780 | 9.72 | 0.0000000 | 0.00 | 0.0075669 | 0.41 | 0.0000007 | 190.91 | 27.9944 | 0.38 | 0.0008930 | 9.72 | 0.0000000 | 0.00 | 0.267554 | 0.12 | 0.0050390 | 9.64 | 0.0051869 | 190.91 | 22.1540 | 0.08 | 0.0179864 | 0.99 | 117.410 | 0.15 | 1.41190 | 9.72 | 0.0000000 | 0.00 | 0.0134475 | 9.65 |
| 17E28703 | 4.2 % | 0.0039927 | 11.05 | 0.0000000 | 0.00 | 0.0085010 | 0.39 | 0.0000002 | 596.36 | 31.4503 | 0.35 | 0.0007462 | 11.05 | 0.0000000 | 0.00 | 0.303199 | 0.12 | 0.0056611 | 9.64 | 0.0016404 | 596.36 | 25.1055 | 0.08 | 0.0202068 | 0.99 | 133.492 | 0.12 | 1.17984 | 11.06 | 0.0000000 | 0.00 | 0.0152390 | 9.65 |
| 17E28704 | 4.5 % | 0.0046209 | 10.46 | 0.0000000 | 0.00 | 0.0113082 | 0.38 | 0.0000000 | 0.00 | 41.8356 | 0.33 | 0.0008636 | 10.46 | 0.0000000 | 0.00 | 0.406111 | 0.12 | 0.0075304 | 9.64 | 0.0000000 | 0.00 | 33.6268 | 0.07 | 0.0268794 | 0.98 | 178.428 | 0.10 | 1.36547 | 10.46 | 0.0000000 | 0.00 | 0.0204115 | 9.65 |
| 17E28706 | 4.8 % | 0.0044466 | 10.30 | 0.0000000 | 0.00 | 0.0130926 | 0.37 | 0.0000002 | 612.99 | 48.4373 | 0.33 | 0.0008311 | 10.30 | 0.0000000 | 0.00 | 0.476690 | 0.12 | 0.0087187 | 9.64 | 0.0015218 | 612.99 | 39.4709 | 0.07 | 0.0311209 | 0.98 | 209.488 | 0.08 | 1.31397 | 10.30 | 0.0000000 | 0.00 | 0.0239588 | 9.65 |
| 17E28707 | 5.1 % | 0.0027244 | 17.78 | 0.0000000 | 0.00 | 0.0129971 | 0.37 | 0.0000000 | 0.00 | 48.0841 | 0.33 | 0.0005092 | 17.78 | 0.0000000 | 0.00 | 0.474854 | 0.12 | 0.0086551 | 9.64 | 0.0000000 | 0.00 | 39.3188 | 0.07 | 0.0308940 | 0.98 | 208.959 | 0.08 | 0.80506 | 17.78 | 0.0000000 | 0.00 | 0.0238665 | 9.65 |
| 17E28708 | 5.4 % | 0.0099834 | 5.18 | 0.0000000 | 0.00 | 0.0164217 | 0.36 | 0.0000000 | 0.00 | 60.7536 | 0.32 | 0.0018659 | 5.18 | 0.0000000 | 0.00 | 0.603668 | 0.11 | 0.0109356 | 9.64 | 0.0000000 | 0.00 | 49.9849 | 0.07 | 0.0390342 | 0.97 | 264.857 | 0.07 | 2.95011 | 5.19 | 0.0000000 | 0.00 | 0.0303408 | 9.65 |
| 17E28710 | 5.8 % | 0.0171513 | 3.09 | 0.0000000 | 0.00 | 0.0191983 | 0.36 | 0.0000000 | 0.00 | 71.0260 | 0.32 | 0.0032056 | 3.09 | 0.0000000 | 0.00 | 0.705771 | 0.11 | 0.0127847 | 9.64 | 0.0000000 | 0.00 | 58.4393 | 0.07 | 0.0456342 | 0.97 | 310.446 | 0.06 | 5.06820 | 3.10 | 0.0000000 | 0.00 | 0.0354726 | 9.65 |
| 17E28711 | 6.2 % | 0.0065575 | 7.98 | 0.0000000 | 0.00 | 0.0242057 | 0.36 | 0.0000003 | 433.90 | 89.5512 | 0.31 | 0.0012256 | 7.98 | 0.0000000 | 0.00 | 0.889596 | 0.11 | 0.0161192 | 9.64 | 0.0022767 | 433.90 | 73.6603 | 0.07 | 0.0575367 | 0.97 | 390.657 | 0.05 | 1.93773 | 7.98 | 0.0000000 | 0.00 | 0.0447118 | 9.65 |
| 17E28712 | 6.8 % | 0.0077304 | 6.81 | 0.0000000 | 0.00 | 0.0309232 | 0.35 | 0.0000000 | 0.00 | 114.4033 | 0.31 | 0.0014448 | 6.81 | 0.0000000 | 0.00 | 1.135847 | 0.11 | 0.0205926 | 9.63 | 0.0000000 | 0.00 | 94.0504 | 0.07 | 0.0735041 | 0.97 | 498.630 | 0.04 | 2.28432 | 6.81 | 0.0000000 | 0.00 | 0.0570886 | 9.65 |
| 17E28714 | 7.4 % | 0.0100496 | 5.42 | 0.0000000 | 0.00 | 0.0337282 | 0.35 | 0.0000000 | 0.00 | 124.7807 | 0.31 | 0.0018783 | 5.42 | 0.0000000 | 0.00 | 1.228943 | 0.11 | 0.0224605 | 9.63 | 0.0000000 | 0.00 | 101.7590 | 0.06 | 0.0801716 | 0.97 | 539.771 | 0.04 | 2.96965 | 5.42 | 0.0000000 | 0.00 | 0.0617677 | 9.65 |
| 17E28715 | 8.2 % | ✓ 0.0149212 | 3.98 | 0.0000000 | 0.00 | 0.0548601 | 0.35 | 0.0000000 | 0.00 | 202.9599 | 0.31 | 0.0027888 | 3.98 | 0.0000000 | 0.00 | 1.962341 | 0.11 | 0.0365328 | 9.63 | 0.0000000 | 0.00 | 162.4858 | 0.06 | 0.1304017 | 0.97 | 862.894 | 0.02 | 4.40921 | 3.99 | 0.0000000 | 0.00 | 0.0986289 | 9.65 |
| 17E28716 | 9.1 % | ✓ 0.0256823 | 2.70 | 0.0000000 | 0.00 | 0.0676939 | 0.35 | 0.0000000 | 0.00 | 250.4398 | 0.31 | 0.0048000 | 2.70 | 0.0000000 | 0.00 | 2.423566 | 0.11 | 0.0450792 | 9.63 | 0.0000000 | 0.00 | 200.6762 | 0.06 | 0.1609075 | 0.97 | 1065.975 | 0.02 | 7.58912 | 2.71 | 0.0000000 | 0.00 | 0.1218105 | 9.65 |
| 17E28718 | 10.1 % | ✓ 0.0280571 | 2.62 | 0.0000000 | 0.00 | 0.0659952 | 0.35 | 0.0000000 | 0.00 | 244.1554 | 0.31 | 0.0052439 | 2.62 | 0.0000000 | 0.00 | 2.370441 | 0.11 | 0.0439480 | 9.63 | 0.0000000 | 0.00 | 196.2773 | 0.06 | 0.1568698 | 0.97 | 1042.898 | 0.02 | 8.29088 | 2.63 | 0.0000000 | 0.00 | 0.1191403 | 9.65 |
| 17E28719 | 11.2 % | ✓ 0.0593457 | 1.37 | 0.0000000 | 0.00 | 0.0836554 | 0.35 | 0.0000000 | 0.00 | 309.4909 | 0.31 | 0.0110917 | 1.37 | 0.0000000 | 0.00 | 2.990492 | 0.11 | 0.0557084 | 9.63 | 0.0000000 | 0.00 | 247.6188 | 0.06 | 0.1988479 | 0.97 | 1317.325 | 0.02 | 17.53666 | 1.39 | 0.0000000 | 0.00 | 0.1503046 | 9.65 |
| 17E28720 | 12.3 % | ✓ 0.1062675 | 0.94 | 0.0000000 | 0.00 | 0.0759874 | 0.35 | 0.0000000 | 0.00 | 281.1225 | 0.31 | 0.0198614 | 0.94 | 0.0000000 | 0.00 | 2.720772 | 0.11 | 0.0506020 | 9.63 | 0.0000000 | 0.00 | 225.2854 | 0.06 | 0.1806212 | 0.97 | 1198.347 | 0.03 | 31.40206 | 0.97 | 0.0000000 | 0.00 | 0.1367483 | 9.65 |
| 17E28722 | 13.5 % | ✓ 0.1560603 | 0.67 | 0.0000000 | 0.00 | 0.0654850 | 0.35 | 0.0000000 | 0.00 | 242.2678 | 0.31 | 0.0291677 | 0.67 | 0.0000000 | 0.00 | 2.350328 | 0.11 | 0.0436082 | 9.63 | 0.0000000 | 0.00 | 194.6119 | 0.06 | 0.1556570 | 0.97 | 1035.693 | 0.03 | 46.11583 | 0.72 | 0.0000000 | 0.00 | 0.1181294 | 9.65 |
| 17E28723 | 14.8 % | ✓ 0.2132686 | 0.53 | 0.0000000 | 0.00 | 0.0594569 | 0.35 | 0.0000000 | 0.00 | 219.9664 | 0.31 | 0.0398599 | 0.53 | 0.0000000 | 0.00 | 2.113413 | 0.11 | 0.0395939 | 9.63 | 0.0000000 | 0.00 | 174.9948 | 0.06 | 0.1413284 | 0.97 | 930.589 | 0.04 | 63.02087 | 0.58 | 0.0000000 | 0.00 | 0.1062219 | 9.65 |
| 17E28724 | 15.9 % | ✓ 0.2596562 | 0.50 | 0.0000000 | 0.00 | 0.0474303 | 0.35 | 0.0000000 | 0.00 | 175.4727 | 0.31 | 0.0485297 | 0.50 | 0.0000000 | 0.00 | 1.647794 | 0.11 | 0.0315851 | 9.63 | 0.0000000 | 0.00 | 136.4406 | 0.06 | 0.1127412 | 0.97 | 726.213 | 0.06 | 76.72841 | 0.55 | 0.0000000 | 0.00 | 0.0828195 | 9.65 |
| 17E28726 | 17.0 % | ✓ 0.2866161 | 0.44 | 0.0000000 | 0.00 | 0.0366740 | 0.35 | 0.0000000 | 0.00 | 135.6790 | 0.31 | 0.0535686 | 0.44 | 0.0000000 | 0.00 | 1.282337 | 0.11 | 0.0244222 | 9.63 | 0.0000000 | 0.00 | 106.1801 | 0.06 | 0.0871738 | 0.97 | 565.546 | 0.08 | 84.69507 | 0.50 | 0.0000000 | 0.00 | 0.0644513 | 9.65 |
| 17E28728 | 18.5 % | 0.1792095 | 0.56 | 0.0000000 | 0.00 | 0.0196644 | 0.36 | 0.0000000 | 0.00 | 72.7501 | 0.32 | 0.0334943 | 0.56 | 0.0000000 | 0.00 | 0.653797 | 0.11 | 0.0130950 | 9.64 | 0.0000000 | 0.00 | 54.1357 | 0.07 | 0.0467420 | 0.97 | 287.166 | 0.12 | 52.95640 | 0.61 | 0.0000000 | 0.00 | 0.0328604 | 9.65 |
| Σ | | 2.0159729 | 0.20 | 0.0000000 | 0.00 | 0.8029977 | 0.09 | 0.0002497 | 2.13 | 2970.7646 | 0.08 | 0.3767853 | 0.20 | 0.0000000 | 0.00 | 28.555474 | 0. | | | | | | | | | | | | | | | | |

| Additional Parameters | | 40Ar/39Ar | 1σ | 37Ar/39Ar | 1σ | 36Ar/39Ar | 1σ | Time (days) | 37Ar (decay) | 39Ar (decay) | 40Ar (moles) |
|-----------------------|--------|-----------|----------|-----------|----------|-----------|----------|-------------|--------------|--------------|--------------|
| 17E28688 | 1.8 % | 18.997590 | 0.027321 | 1.637620 | 0.007896 | 0.050145 | 0.000185 | 83.902 | 5.257743 | 1.00059307 | 6.611E-12 |
| 17E28690 | 1.9 % | 6.280715 | 0.019421 | 1.528728 | 0.010217 | 0.004407 | 0.000077 | 83.916 | 5.259186 | 1.00059317 | 1.457E-12 |
| 17E28691 | 2.0 % | 6.092641 | 0.017428 | 1.514816 | 0.009273 | 0.003714 | 0.000073 | 83.923 | 5.259907 | 1.00059322 | 1.538E-12 |
| 17E28692 | 2.2 % | 5.798934 | 0.020236 | 1.470814 | 0.010431 | 0.002559 | 0.000076 | 83.930 | 5.260629 | 1.00059327 | 1.249E-12 |
| 17E28694 | 2.4 % | 5.755008 | 0.011930 | 1.440299 | 0.007080 | 0.002177 | 0.000048 | 83.944 | 5.262072 | 1.00059337 | 2.151E-12 |
| 17E28695 | 2.7 % | 5.575284 | 0.011879 | 1.415005 | 0.006994 | 0.001465 | 0.000045 | 83.951 | 5.262794 | 1.00059341 | 2.114E-12 |
| 17E28696 | 3.0 % | 5.522755 | 0.008494 | 1.375539 | 0.005699 | 0.001230 | 0.000030 | 83.958 | 5.263516 | 1.00059346 | 3.064E-12 |
| 17E28698 | 3.2 % | 5.426914 | 0.006762 | 1.326112 | 0.005073 | 0.000821 | 0.000023 | 83.972 | 5.264960 | 1.00059356 | 3.945E-12 |
| 17E28699 | 3.4 % | 5.379690 | 0.007086 | 1.298295 | 0.005010 | 0.000654 | 0.000022 | 83.978 | 5.265683 | 1.00059361 | 3.771E-12 |
| 17E28700 | 3.6 % | 5.362414 | 0.006598 | 1.280388 | 0.004955 | 0.000542 | 0.000021 | 83.985 | 5.266405 | 1.00059366 | 4.065E-12 |
| 17E28702 | 3.9 % | 5.359723 | 0.006353 | 1.262602 | 0.004881 | 0.000557 | 0.000021 | 83.999 | 5.267778 | 1.00059375 | 4.207E-12 |
| 17E28703 | 4.2 % | 5.360535 | 0.005940 | 1.251720 | 0.004545 | 0.000497 | 0.000018 | 84.006 | 5.268500 | 1.00059380 | 4.768E-12 |
| 17E28704 | 4.5 % | 5.343076 | 0.004971 | 1.243123 | 0.004256 | 0.000473 | 0.000014 | 84.013 | 5.269223 | 1.00059385 | 6.365E-12 |
| 17E28706 | 4.8 % | 5.337080 | 0.004684 | 1.226197 | 0.004114 | 0.000444 | 0.000012 | 84.026 | 5.270669 | 1.00059395 | 7.463E-12 |
| 17E28707 | 5.1 % | 5.331359 | 0.004632 | 1.221967 | 0.004086 | 0.000400 | 0.000012 | 84.033 | 5.271392 | 1.00059400 | 7.426E-12 |
| 17E28708 | 5.4 % | 5.354189 | 0.004207 | 1.214491 | 0.003982 | 0.000528 | 0.000010 | 84.040 | 5.272115 | 1.00059405 | 9.481E-12 |
| 17E28710 | 5.8 % | 5.395408 | 0.004052 | 1.214434 | 0.003924 | 0.000622 | 0.000009 | 84.054 | 5.273561 | 1.00059414 | 1.117E-11 |
| 17E28711 | 6.2 % | 5.326251 | 0.003776 | 1.214783 | 0.003882 | 0.000417 | 0.000007 | 84.061 | 5.274285 | 1.00059419 | 1.390E-11 |
| 17E28712 | 6.8 % | 5.322468 | 0.003633 | 1.215455 | 0.003843 | 0.000411 | 0.000005 | 84.068 | 5.275008 | 1.00059424 | 1.773E-11 |
| 17E28714 | 7.4 % | 5.329994 | 0.003594 | 1.225272 | 0.003874 | 0.000430 | 0.000005 | 84.082 | 5.276455 | 1.00059434 | 1.922E-11 |
| 17E28715 | 8.2 % | 5.334042 | 0.003468 | 1.248092 | 0.003905 | 0.000429 | 0.000003 | 84.089 | 5.277179 | 1.00059439 | 3.071E-11 |
| 17E28716 | 9.1 % | 5.346053 | 0.003450 | 1.246980 | 0.003898 | 0.000465 | 0.000003 | 84.096 | 5.277903 | 1.00059444 | 3.801E-11 |
| 17E28718 | 10.1 % | 5.351959 | 0.003453 | 1.242937 | 0.003884 | 0.000479 | 0.000004 | 84.109 | 5.279279 | 1.00059453 | 3.722E-11 |
| 17E28719 | 11.2 % | 5.387075 | 0.003452 | 1.248865 | 0.003896 | 0.000577 | 0.000003 | 84.116 | 5.280003 | 1.00059458 | 4.726E-11 |
| 17E28720 | 12.3 % | 5.454860 | 0.003486 | 1.246850 | 0.003892 | 0.000808 | 0.000004 | 84.123 | 5.280727 | 1.00059463 | 4.354E-11 |
| 17E28722 | 13.5 % | 5.554967 | 0.003587 | 1.243882 | 0.003887 | 0.001137 | 0.000005 | 84.137 | 5.282176 | 1.00059473 | 3.830E-11 |
| 17E28723 | 14.8 % | 5.673963 | 0.003681 | 1.255973 | 0.003930 | 0.001557 | 0.000006 | 84.144 | 5.282901 | 1.00059478 | 3.518E-11 |
| 17E28724 | 15.9 % | 5.880662 | 0.003864 | 1.285012 | 0.004032 | 0.002249 | 0.000009 | 84.151 | 5.283625 | 1.00059483 | 2.843E-11 |
| 17E28726 | 17.0 % | 6.119531 | 0.004073 | 1.276771 | 0.004027 | 0.003042 | 0.000012 | 84.165 | 5.285075 | 1.00059492 | 2.302E-11 |
| 17E28728 | 18.5 % | 6.277969 | 0.004671 | 1.342689 | 0.004349 | 0.003670 | 0.000019 | 84.178 | 5.286525 | 1.00059502 | 1.204E-11 |

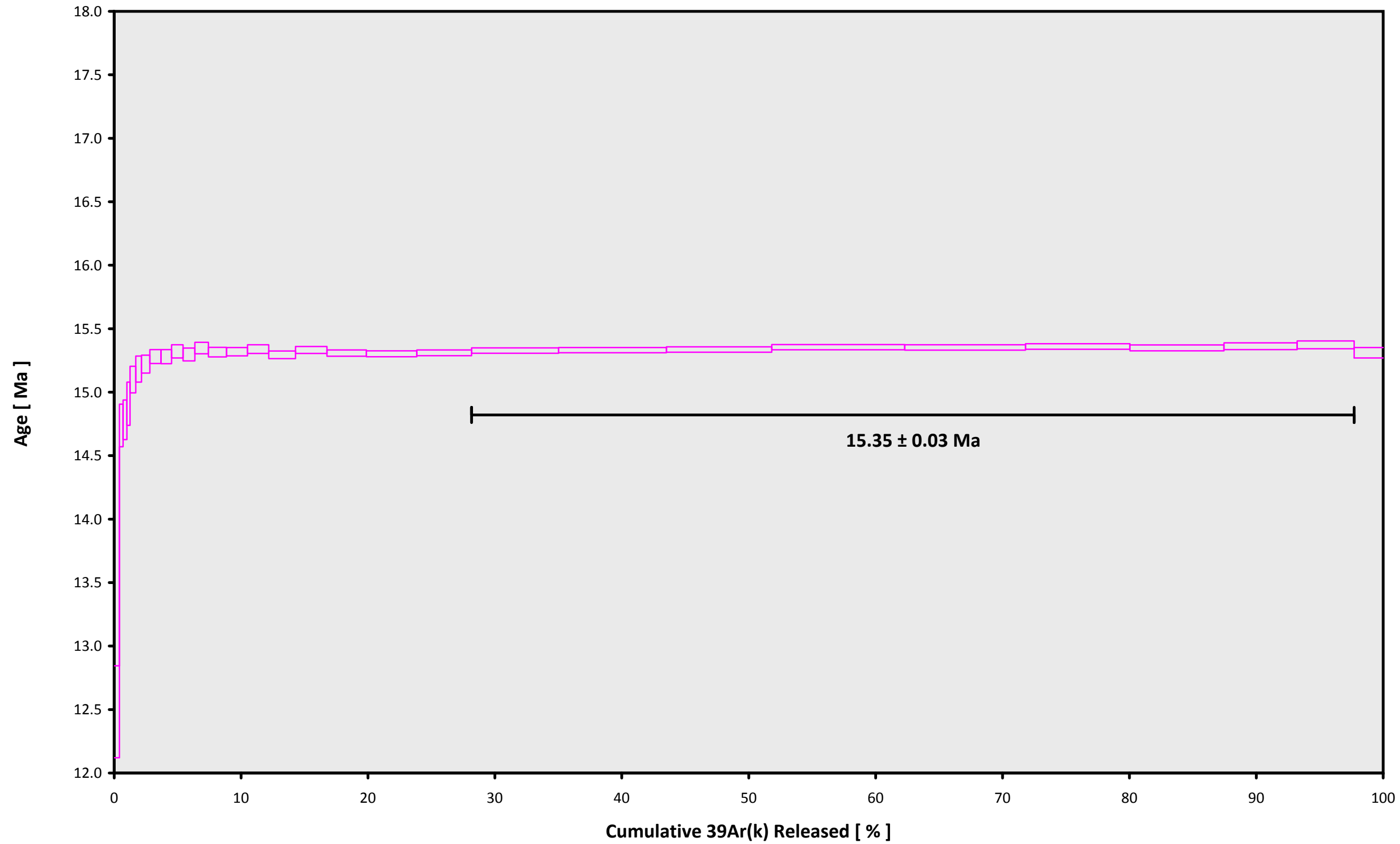
| Procedure | | 36Ar ± 1σ (SE) | 37Ar ± 1σ (SE) | 38Ar ± 1σ (SE) | 39Ar ± 1σ (SE) | 40Ar ± 1σ (SE) |
|-----------|--------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Blanks | | [fA] | [fA] | [fA] | [fA] | [fA] |
| 17E28688 | 1.8 % | 0.0221876 ± 0.0002783 | 0.1043993 ± 0.0074021 | 0.0180591 ± 0.0067051 | 0.0209342 ± 0.0075455 | 4.1996603 ± 0.0990552 |
| 17E28690 | 1.9 % | 0.0225728 ± 0.0002783 | 0.1050387 ± 0.0074021 | 0.0236528 ± 0.0067051 | 0.0172963 ± 0.0075455 | 4.2897450 ± 0.0990552 |
| 17E28691 | 2.0 % | 0.0226911 ± 0.0002783 | 0.1051307 ± 0.0074021 | 0.0255870 ± 0.0067051 | 0.0160444 ± 0.0075455 | 4.3176334 ± 0.0990552 |
| 17E28692 | 2.2 % | 0.0227673 ± 0.0002783 | 0.1051017 ± 0.0074021 | 0.0270339 ± 0.0067051 | 0.0151310 ± 0.0075455 | 4.3360370 ± 0.0990552 |
| 17E28694 | 2.4 % | 0.0228132 ± 0.0002783 | 0.1047648 ± 0.0074021 | 0.0287084 ± 0.0067051 | 0.0142044 ± 0.0075455 | 4.3497395 ± 0.0990552 |
| 17E28695 | 2.7 % | 0.0227925 ± 0.0002783 | 0.1044955 ± 0.0074021 | 0.0290491 ± 0.0067051 | 0.0141353 ± 0.0075455 | 4.3475033 ± 0.0990552 |
| 17E28696 | 3.0 % | 0.0227486 ± 0.0002783 | 0.1041821 ± 0.0074021 | 0.0291287 ± 0.0067051 | 0.0142925 ± 0.0075455 | 4.3407121 ± 0.0990552 |
| 17E28698 | 3.2 % | 0.0226070 ± 0.0002783 | 0.1034848 ± 0.0074021 | 0.0286944 ± 0.0067051 | 0.0151805 ± 0.0075455 | 4.3174710 ± 0.0990552 |
| 17E28699 | 3.4 % | 0.0225167 ± 0.0002783 | 0.1031280 ± 0.0074021 | 0.0282669 ± 0.0067051 | 0.0158601 ± 0.0075455 | 4.3028144 ± 0.0990552 |
| 17E28700 | 3.6 % | 0.0224177 ± 0.0002783 | 0.1027814 ± 0.0074021 | 0.0277513 ± 0.0067051 | 0.0166636 ± 0.0075455 | 4.2871891 ± 0.0990552 |
| 17E28702 | 3.9 % | 0.0222165 ± 0.0002783 | 0.1021860 ± 0.0074021 | 0.0266516 ± 0.0067051 | 0.0184455 ± 0.0075455 | 4.2572242 ± 0.0990552 |
| 17E28703 | 4.2 % | 0.0221086 ± 0.0002783 | 0.1019208 ± 0.0074021 | 0.0260664 ± 0.0067051 | 0.0194740 ± 0.0075455 | 4.2423724 ± 0.0990552 |
| 17E28704 | 4.5 % | 0.0220021 ± 0.0002783 | 0.1016970 ± 0.0074021 | 0.0255106 ± 0.0067051 | 0.0205357 ± 0.0075455 | 4.2287553 ± 0.0990552 |
| 17E28706 | 4.8 % | 0.0218013 ± 0.0002783 | 0.1013899 ± 0.0074021 | 0.0245716 ± 0.0067051 | 0.0226721 ± 0.0075455 | 4.2065776 ± 0.0990552 |
| 17E28707 | 5.1 % | 0.0217099 ± 0.0002783 | 0.1013113 ± 0.0074021 | 0.0242225 ± 0.0067051 | 0.0237051 ± 0.0075455 | 4.1984836 ± 0.0990552 |
| 17E28708 | 5.4 % | 0.0216262 ± 0.0002783 | 0.1012834 ± 0.0074021 | 0.0239707 ± 0.0067051 | 0.0246878 ± 0.0075455 | 4.1925572 ± 0.0990552 |
| 17E28710 | 5.8 % | 0.0214847 ± 0.0002783 | 0.1013739 ± 0.0074021 | 0.0237902 ± 0.0067051 | 0.0264254 ± 0.0075455 | 4.1872168 ± 0.0990552 |
| 17E28711 | 6.2 % | 0.0214279 ± 0.0002783 | 0.1014856 ± 0.0074021 | 0.0238688 ± 0.0067051 | 0.0271433 ± 0.0075455 | 4.1875974 ± 0.0990552 |
| 17E28712 | 6.8 % | 0.0213805 ± 0.0002783 | 0.1016348 ± 0.0074021 | 0.0240595 ± 0.0067051 | 0.0277370 ± 0.0075455 | 4.1897353 ± 0.0990552 |
| 17E28714 | 7.4 % | 0.0213128 ± 0.0002783 | 0.1020167 ± 0.0074021 | 0.0247547 ± 0.0067051 | 0.0284844 ± 0.0075455 | 4.1979485 ± 0.0990552 |
| 17E28715 | 8.2 % | 0.0212913 ± 0.0002783 | 0.1022315 ± 0.0074021 | 0.0252399 ± 0.0067051 | 0.0286060 ± 0.0075455 | 4.2031469 ± 0.0990552 |
| 17E28716 | 9.1 % | 0.0212766 ± 0.0002783 | 0.1024479 ± 0.0074021 | 0.0257986 ± 0.0067051 | 0.0285391 ± 0.0075455 | 4.2083485 ± 0.0990552 |
| 17E28718 | 10.1 % | 0.0212627 ± 0.0002783 | 0.1028171 ± 0.0074021 | 0.0269951 ± 0.0067051 | 0.0278409 ± 0.0075455 | 4.2158507 ± 0.0990552 |
| 17E28719 | 11.2 % | 0.0212596 ± 0.0002783 | 0.1029618 ± 0.0074021 | 0.0276530 ± 0.0067051 | 0.0271470 ± 0.0075455 | 4.2170945 ± 0.0990552 |
| 17E28720 | 12.3 % | 0.0212568 ± 0.0002783 | 0.1030512 ± 0.0074021 | 0.0282954 ± 0.0067051 | 0.0262112 ± 0.0075455 | 4.2153379 ± 0.0990552 |
| 17E28722 | 13.5 % | 0.0212422 ± 0.0002783 | 0.1029900 ± 0.0074021 | 0.0294066 ± 0.0067051 | 0.0235654 ± 0.0075455 | 4.1988364 ± 0.0990552 |
| 17E28723 | 14.8 % | 0.0212250 ± 0.0002783 | 0.1027990 ± 0.0074021 | 0.0298035 ± 0.0067051 | 0.0218327 ± 0.0075455 | 4.1818878 ± 0.0990552 |
| 17E28724 | 15.9 % | 0.0211969 ± 0.0002783 | 0.1024718 ± 0.0074021 | 0.0300412 ± 0.0067051 | 0.0198128 ± 0.0075455 | 4.1575317 ± 0.0990552 |
| 17E28726 | 17.0 % | 0.0210943 ± 0.0002783 | 0.1013124 ± 0.0074021 | 0.0298584 ± 0.0067051 | 0.0148724 ± 0.0075455 | 4.0812658 ± 0.0990552 |
| 17E28728 | 18.5 % | 0.0209036 ± 0.0002783 | 0.0993047 ± 0.0074021 | 0.0284644 ± 0.0067051 | 0.0086727 ± 0.0075455 | 3.9585374 ± 0.0990552 |

| 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) |
|------------------|--------|-----------------------|--------|---------------------|----------------------|--------|---------------------|-----------------------|--------|---------------------|-----------------------|--------|---------------------|----------------------|--------|---------------------|
| 17E28688 | 1.8 % | 0.4861777 ± 0.0010323 | 0.4092 | EXP 150 of 150 | 2.881962 ± 0.007379 | 0.8859 | EXP 150 of 150 | 1.7695369 ± 0.0070656 | 0.9608 | EXP 150 of 150 | 9.723281 ± 0.008591 | 0.9845 | EXP 150 of 150 | 190.96361 ± 0.02836 | 0.9989 | EXP 150 of 150 |
| 17E28690 | 1.9 % | 0.0497444 ± 0.0003718 | 0.5662 | EXP 150 of 150 | 1.752110 ± 0.007418 | 0.7347 | EXP 150 of 150 | 0.1137938 ± 0.0066480 | 0.0904 | EXP 150 of 150 | 6.475820 ± 0.008822 | 0.9728 | EXP 150 of 150 | 45.43407 ± 0.01754 | 0.9907 | EXP 150 of 150 |
| 17E28691 | 2.0 % | 0.0476182 ± 0.0003922 | 0.4837 | EXP 150 of 150 | 1.897648 ± 0.006871 | 0.8001 | EXP 150 of 150 | 0.1154985 ± 0.0072284 | 0.0937 | EXP 150 of 150 | 7.051518 ± 0.007987 | 0.9814 | EXP 150 of 150 | 47.76095 ± 0.01840 | 0.9861 | EXP 150 of 150 |
| 17E28692 | 2.2 % | 0.0374145 ± 0.0003282 | 0.5166 | EXP 150 of 150 | 1.553429 ± 0.006865 | 0.7200 | EXP 150 of 150 | 0.0671282 ± 0.0066024 | 0.0307 | EXP 150 of 150 | 6.013540 ± 0.008635 | 0.9693 | EXP 150 of 150 | 39.60702 ± 0.01885 | 0.9871 | EXP 150 of 150 |
| 17E28694 | 2.4 % | 0.0444519 ± 0.0003792 | 0.4387 | EXP 150 of 150 | 2.713987 ± 0.007178 | 0.8880 | EXP 150 of 150 | 0.1301584 ± 0.0067640 | 0.0619 | EXP 150 of 150 | 10.451760 ± 0.008346 | 0.9912 | EXP 150 of 150 | 65.11746 ± 0.01898 | 0.1902 | EXP 150 of 150 |
| 17E28695 | 2.7 % | 0.0375644 ± 0.0003620 | 0.4753 | EXP 150 of 150 | 2.704803 ± 0.007201 | 0.8821 | EXP 150 of 150 | 0.1243853 ± 0.0061874 | 0.0746 | EXP 149 of 150 | 10.604637 ± 0.009417 | 0.9891 | EXP 150 of 150 | 64.07704 ± 0.01988 | 0.4275 | EXP 150 of 150 |
| 17E28696 | 3.0 % | 0.0408938 ± 0.0003415 | 0.4496 | EXP 150 of 150 | 3.890703 ± 0.007464 | 0.9326 | EXP 150 of 150 | 0.1777579 ± 0.0069181 | 0.0795 | EXP 150 of 150 | 15.521213 ± 0.009491 | 0.9948 | EXP 150 of 150 | 90.90306 ± 0.02117 | 0.9880 | EXP 150 of 150 |
| 17E28698 | 3.2 % | 0.0384803 ± 0.0003322 | 0.4823 | EXP 150 of 150 | 4.940473 ± 0.007987 | 0.9485 | EXP 149 of 150 | 0.2360666 ± 0.0064329 | 0.1217 | EXP 150 of 150 | 20.336691 ± 0.009141 | 0.9972 | EXP 150 of 150 | 115.74826 ± 0.02123 | 0.9967 | EXP 150 of 150 |
| 17E28699 | 3.4 % | 0.0347025 ± 0.0003049 | 0.5933 | EXP 150 of 150 | 4.658703 ± 0.007370 | 0.9513 | EXP 150 of 150 | 0.2197970 ± 0.0067773 | 0.0901 | EXP 150 of 150 | 19.612011 ± 0.010645 | 0.9959 | EXP 150 of 150 | 110.83439 ± 0.02172 | 0.9959 | EXP 150 of 150 |
| 17E28700 | 3.6 % | 0.0333333 ± 0.0003113 | 0.6506 | EXP 150 of 150 | 4.974477 ± 0.008604 | 0.9441 | EXP 150 of 150 | 0.2387415 ± 0.0057902 | 0.1664 | EXP 150 of 150 | 21.206983 ± 0.009858 | 0.9970 | EXP 150 of 150 | 119.11003 ± 0.02320 | 0.9964 | EXP 150 of 150 |
| 17E28702 | 3.9 % | 0.0338364 ± 0.0003342 | 0.5295 | EXP 150 of 150 | 5.080766 ± 0.008941 | 0.9425 | EXP 150 of 150 | 0.2474244 ± 0.0070304 | 0.1269 | EXP 150 of 150 | 21.957940 ± 0.009205 | 0.9976 | EXP 150 of 150 | 123.09283 ± 0.02061 | 0.9977 | EXP 150 of 150 |
| 17E28703 | 4.2 % | 0.0338681 ± 0.0003052 | 0.6170 | EXP 150 of 150 | 5.720076 ± 0.007507 | 0.9674 | EXP 150 of 150 | 0.2800462 ± 0.0068583 | 0.1617 | EXP 150 of 150 | 24.884557 ± 0.010395 | 0.9976 | EXP 150 of 150 | 138.92941 ± 0.02478 | 0.9978 | EXP 150 of 150 |
| 17E28704 | 4.5 % | 0.0369949 ± 0.0003555 | 0.5131 | EXP 150 of 150 | 7.641742 ± 0.007795 | 0.9802 | EXP 150 of 150 | 0.3814505 ± 0.0072041 | 0.1987 | EXP 150 of 150 | 33.336251 ± 0.010652 | 0.9986 | EXP 150 of 150 | 184.04278 ± 0.02669 | 0.9989 | EXP 150 of 150 |
| 17E28706 | 4.8 % | 0.0383097 ± 0.0003231 | 0.5178 | EXP 150 of 150 | 8.861496 ± 0.007938 | 0.9845 | EXP 150 of 150 | 0.4551448 ± 0.0061533 | 0.3313 | EXP 150 of 150 | 39.130892 ± 0.013121 | 0.9985 | EXP 150 of 150 | 215.03205 ± 0.02408 | 0.9994 | EXP 150 of 150 |
| 17E28707 | 5.1 % | 0.0365073 ± 0.0003564 | 0.5989 | EXP 150 of 150 | 8.795006 ± 0.007534 | 0.9858 | EXP 150 of 150 | 0.4466333 ± 0.0068072 | 0.2731 | EXP 150 of 150 | 38.978914 ± 0.012015 | 0.9987 | EXP 150 of 150 | 213.98605 ± 0.02369 | 0.9994 | EXP 150 of 150 |
| 17E28708 | 5.4 % | 0.0464792 ± 0.0003902 | 0.3640 | EXP 150 of 150 | 11.137549 ± 0.008650 | 0.9885 | EXP 149 of 150 | 0.5787846 ± 0.0063088 | 0.3944 | EXP 149 of 150 | 49.557962 ± 0.012047 | 0.9992 | EXP 150 of 150 | 272.03016 ± 0.02861 | 0.9996 | EXP 150 of 150 |
| 17E28710 | 5.8 % | 0.0556977 ± 0.0003991 | 0.3172 | EXP 150 of 150 | 13.034158 ± 0.008372 | 0.9919 | EXP 150 of 150 | 0.6849370 ± 0.0067889 | 0.4449 | EXP 150 of 150 | 57.942567 ± 0.013285 | 0.9993 | EXP 150 of 150 | 319.73723 ± 0.02991 | 0.9997 | EXP 150 of 150 |
| 17E28711 | 6.2 % | 0.0503831 ± 0.0003911 | 0.3916 | EXP 150 of 150 | 16.457816 ± 0.009385 | 0.9935 | EXP 150 of 150 | 0.8703517 ± 0.0066985 | 0.5953 | EXP 150 of 150 | 73.040423 ± 0.013705 | 0.9995 | EXP 150 of 150 | 396.82752 ± 0.03078 | 0.9998 | EXP 150 of 150 |
| 17E28712 | 6.8 % | 0.0577620 ± 0.0003854 | 0.4946 | EXP 150 of 150 | 21.050274 ± 0.009252 | 0.9962 | EXP 150 of 150 | 1.0988654 ± 0.0064164 | 0.6708 | EXP 150 of 150 | 93.265842 ± 0.015726 | 0.9996 | EXP 150 of 150 | 505.16121 ± 0.03531 | 0.9998 | EXP 150 of 150 |
| 17E28714 | 7.4 % | 0.0625173 ± 0.0004016 | 0.4161 | EXP 150 of 150 | 22.962221 ± 0.010713 | 0.9957 | EXP 150 of 150 | 1.2026318 ± 0.0069713 | 0.7008 | EXP 150 of 150 | 100.912284 ± 0.015954 | 0.9997 | EXP 150 of 150 | 547.00011 ± 0.03416 | 0.9999 | EXP 150 of 150 |
| 17E28715 | 8.2 % | 0.0869706 ± 0.0004173 | 0.3293 | EXP 148 of 150 | 37.407368 ± 0.010589 | 0.9984 | EXP 150 of 150 | 1.8966196 ± 0.0069888 | 0.8333 | EXP 149 of 150 | 161.153020 ± 0.021651 | 0.9998 | EXP 150 of 150 | 871.60475 ± 0.04272 | 0.9999 | EXP 150 of 150 |
| 17E28716 | 9.1 % | 0.1091639 ± 0.0004988 | 0.2349 | EXP 150 of 150 | 46.175692 ± 0.012801 | 0.9985 | EXP 150 of 150 | 2.3688934 ± 0.0071845 | 0.8811 | EXP 149 of 150 | 199.036812 ± 0.026549 | 0.9998 | EXP 150 of 150 | 1077.89419 ± 0.04637 | 0.9999 | EXP 150 of 150 |
| 17E28718 | 10.1 % | 0.1097864 ± 0.0005501 | 0.1291 | EXP 150 of 150 | 45.002294 ± 0.011925 | 0.9986 | EXP 150 of 150 | 2.3088677 ± 0.0073519 | 0.8800 | EXP 149 of 150 | 194.673425 ± 0.024757 | 0.9998 | EXP 150 of 150 | 1055.52355 ± 0.05645 | 0.9999 | EXP 150 of 150 |
| 17E28719 | 11.2 % | 0.1558548 ± 0.0005572 | 0.0012 | EXP 149 of 150 | 57.064346 ± 0.012540 | 0.9990 | EXP 150 of 150 | 2.9278320 ± 0.0062147 | 0.9392 | EXP 149 of 150 | 245.604264 ± 0.030911 | 0.9998 | EXP 150 of 150 | 1339.22926 ± 0.05212 | 1.0000 | EXP 150 of 150 |
| 17E28720 | 12.3 % | 0.1927984 ± 0.0007401 | 0.2463 | EXP 150 of 150 | 51.817086 ± 0.012536 | 0.9988 | EXP 150 of 150 | 2.6856141 ± 0.0072402 | 0.8998 | EXP 148 of 150 | 223.450777 ± 0.024576 | 0.9998 | EXP 150 of 150 | 1234.10103 ± 0.05322 | 0.9999 | EXP 150 of 150 |
| 17E28722 | 13.5 % | 0.2297646 ± 0.0007584 | 0.5513 | EXP 150 of 150 | 44.628851 ± 0.011172 | 0.9988 | EXP 150 of 150 | 2.3192871 ± 0.0069631 | 0.8836 | EXP 149 of 150 | 193.025719 ± 0.025962 | 0.9998 | EXP 150 of 150 | 1086.12610 ± 0.04924 | 0.9999 | EXP 150 of 150 |
| 17E28723 | 14.8 % | 0.2779190 ± 0.0007637 | 0.7621 | EXP 150 of 150 | 40.505787 ± 0.011457 | 0.9984 | EXP 150 of 150 | 2.0931496 ± 0.0068841 | 0.8596 | EXP 149 of 150 | 173.569263 ± 0.024498 | 0.9997 | EXP 150 of 150 | 997.89812 ± 0.04770 | 0.9999 | EXP 150 of 150 |
| 17E28724 | 15.9 % | 0.3102321 ± 0.0009089 | 0.7803 | EXP 150 of 150 | 32.287575 ± 0.010690 | 0.9978 | EXP 150 of 150 | 1.6537146 ± 0.0069065 | 0.8001 | EXP 149 of 150 | 135.328858 ± 0.020684 | 0.9997 | EXP 150 of 150 | 807.18174 ± 0.04520 | 0.9999 | EXP 150 of 150 |
| 17E28726 | 17.0 % | 0.3253806 ± 0.0008287 | 0.8549 | EXP 150 of 150 | 24.936448 ± 0.010442 | 0.9965 | EXP 150 of 150 | 1.2931956 ± 0.0075841 | 0.6771 | EXP 150 of 150 | 105.314859 ± 0.016311 | 0.9997 | EXP 150 of 150 | 654.38707 ± 0.03946 | 0.9999 | EXP 150 of 150 |
| 17E28728 | 18.5 % | 0.2080872 ± 0.0007589 | 0.7005 | EXP 150 of 150 | 13.322088 ± 0.009014 | 0.9909 | EXP 150 of 150 | 0.6590341 ± 0.0067778 | 0.4246 | EXP 150 of 150 | 53.695750 ± 0.012450 | 0.9993 | EXP 150 of 150 | 344.11425 ± 0.03093 | 0.9997 | EXP 150 of 150 |

| Project Info | | Analyst | Irradiation | X-pos | Y-pos | Z/H-pos | Project | Experiment | Nmb |
|--------------|--------|-------------|-------------|-------|-------|---------|--------------------------|------------|-----|
| 17E28688 | 1.8 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 34.23 | Italy\ALS Global (17-25) | 17E28684 | 01 |
| 17E28690 | 1.9 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 34.23 | Italy\ALS Global (17-25) | 17E28684 | 01 |
| 17E28691 | 2.0 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 34.23 | Italy\ALS Global (17-25) | 17E28684 | 01 |
| 17E28692 | 2.2 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 34.23 | Italy\ALS Global (17-25) | 17E28684 | 01 |
| 17E28694 | 2.4 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 34.23 | Italy\ALS Global (17-25) | 17E28684 | 01 |
| 17E28695 | 2.7 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 34.23 | Italy\ALS Global (17-25) | 17E28684 | 01 |
| 17E28696 | 3.0 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 34.23 | Italy\ALS Global (17-25) | 17E28684 | 01 |
| 17E28698 | 3.2 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 34.23 | Italy\ALS Global (17-25) | 17E28684 | 01 |
| 17E28699 | 3.4 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 34.23 | Italy\ALS Global (17-25) | 17E28684 | 01 |
| 17E28700 | 3.6 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 34.23 | Italy\ALS Global (17-25) | 17E28684 | 01 |
| 17E28702 | 3.9 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 34.23 | Italy\ALS Global (17-25) | 17E28684 | 01 |
| 17E28703 | 4.2 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 34.23 | Italy\ALS Global (17-25) | 17E28684 | 01 |
| 17E28704 | 4.5 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 34.23 | Italy\ALS Global (17-25) | 17E28684 | 01 |
| 17E28706 | 4.8 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 34.23 | Italy\ALS Global (17-25) | 17E28684 | 01 |
| 17E28707 | 5.1 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 34.23 | Italy\ALS Global (17-25) | 17E28684 | 01 |
| 17E28708 | 5.4 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 34.23 | Italy\ALS Global (17-25) | 17E28684 | 01 |
| 17E28710 | 5.8 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 34.23 | Italy\ALS Global (17-25) | 17E28684 | 01 |
| 17E28711 | 6.2 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 34.23 | Italy\ALS Global (17-25) | 17E28684 | 01 |
| 17E28712 | 6.8 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 34.23 | Italy\ALS Global (17-25) | 17E28684 | 01 |
| 17E28714 | 7.4 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 34.23 | Italy\ALS Global (17-25) | 17E28684 | 01 |
| 17E28715 | 8.2 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 34.23 | Italy\ALS Global (17-25) | 17E28684 | 01 |
| 17E28716 | 9.1 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 34.23 | Italy\ALS Global (17-25) | 17E28684 | 01 |
| 17E28718 | 10.1 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 34.23 | Italy\ALS Global (17-25) | 17E28684 | 01 |
| 17E28719 | 11.2 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 34.23 | Italy\ALS Global (17-25) | 17E28684 | 01 |
| 17E28720 | 12.3 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 34.23 | Italy\ALS Global (17-25) | 17E28684 | 01 |
| 17E28722 | 13.5 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 34.23 | Italy\ALS Global (17-25) | 17E28684 | 01 |
| 17E28723 | 14.8 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 34.23 | Italy\ALS Global (17-25) | 17E28684 | 01 |
| 17E28724 | 15.9 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 34.23 | Italy\ALS Global (17-25) | 17E28684 | 01 |
| 17E28726 | 17.0 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 34.23 | Italy\ALS Global (17-25) | 17E28684 | 01 |
| 17E28728 | 18.5 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 34.23 | Italy\ALS Global (17-25) | 17E28684 | 01 |

| Irradiation Constants | | 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 |
|------------------------------|--------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|------------|------------------|------------|------------------|------------|------------------|------------|-----------------|------------|-----------------|------------|------------------|------------|-------------|------------|-------------|------------|--------------|------------|
| 17E28688 | 1.8 % | 295.5 | 0.237 | 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 |
| 17E28690 | 1.9 % | 295.5 | 0.237 | 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 |
| 17E28691 | 2.0 % | 295.5 | 0.237 | 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 |
| 17E28692 | 2.2 % | 295.5 | 0.237 | 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 |
| 17E28694 | 2.4 % | 295.5 | 0.237 | 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 |
| 17E28695 | 2.7 % | 295.5 | 0.237 | 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 |
| 17E28696 | 3.0 % | 295.5 | 0.237 | 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 |
| 17E28698 | 3.2 % | 295.5 | 0.237 | 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 |
| 17E28699 | 3.4 % | 295.5 | 0.237 | 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 |
| 17E28700 | 3.6 % | 295.5 | 0.237 | 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 |
| 17E28702 | 3.9 % | 295.5 | 0.237 | 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 |
| 17E28703 | 4.2 % | 295.5 | 0.237 | 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 |
| 17E28704 | 4.5 % | 295.5 | 0.237 | 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 |
| 17E28706 | 4.8 % | 295.5 | 0.237 | 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 |
| 17E28707 | 5.1 % | 295.5 | 0.237 | 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 |
| 17E28708 | 5.4 % | 295.5 | 0.237 | 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 |
| 17E28710 | 5.8 % | 295.5 | 0.237 | 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 |
| 17E28711 | 6.2 % | 295.5 | 0.237 | 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 |
| 17E28712 | 6.8 % | 295.5 | 0.237 | 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 |
| 17E28714 | 7.4 % | 295.5 | 0.237 | 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 |
| 17E28715 | 8.2 % | 295.5 | 0.237 | 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 |
| 17E28716 | 9.1 % | 295.5 | 0.237 | 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 |
| 17E28718 | 10.1 % | 295.5 | 0.237 | 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 |
| 17E28719 | 11.2 % | 295.5 | 0.237 | 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 |
| 17E28720 | 12.3 % | 295.5 | 0.237 | 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 |
| 17E28722 | 13.5 % | 295.5 | 0.237 | 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 |
| 17E28723 | 14.8 % | 295.5 | 0.237 | 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 |
| 17E28724 | 15.9 % | 295.5 | 0.237 | 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 |
| 17E28726 | 17.0 % | 295.5 | 0.237 | 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 |
| 17E28728 | 18.5 % | 295.5 | 0.237 | 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 |

17E28684.AGE >>> ANT-12 >>> ITALY | ALS GLOBAL (17-25) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
15.35 ± 0.03

TOTAL FUSION
15.32 ± 0.03

NORMAL ISOCHRON
15.33 ± 0.03

INVERSE ISOCHRON
15.34 ± 0.03

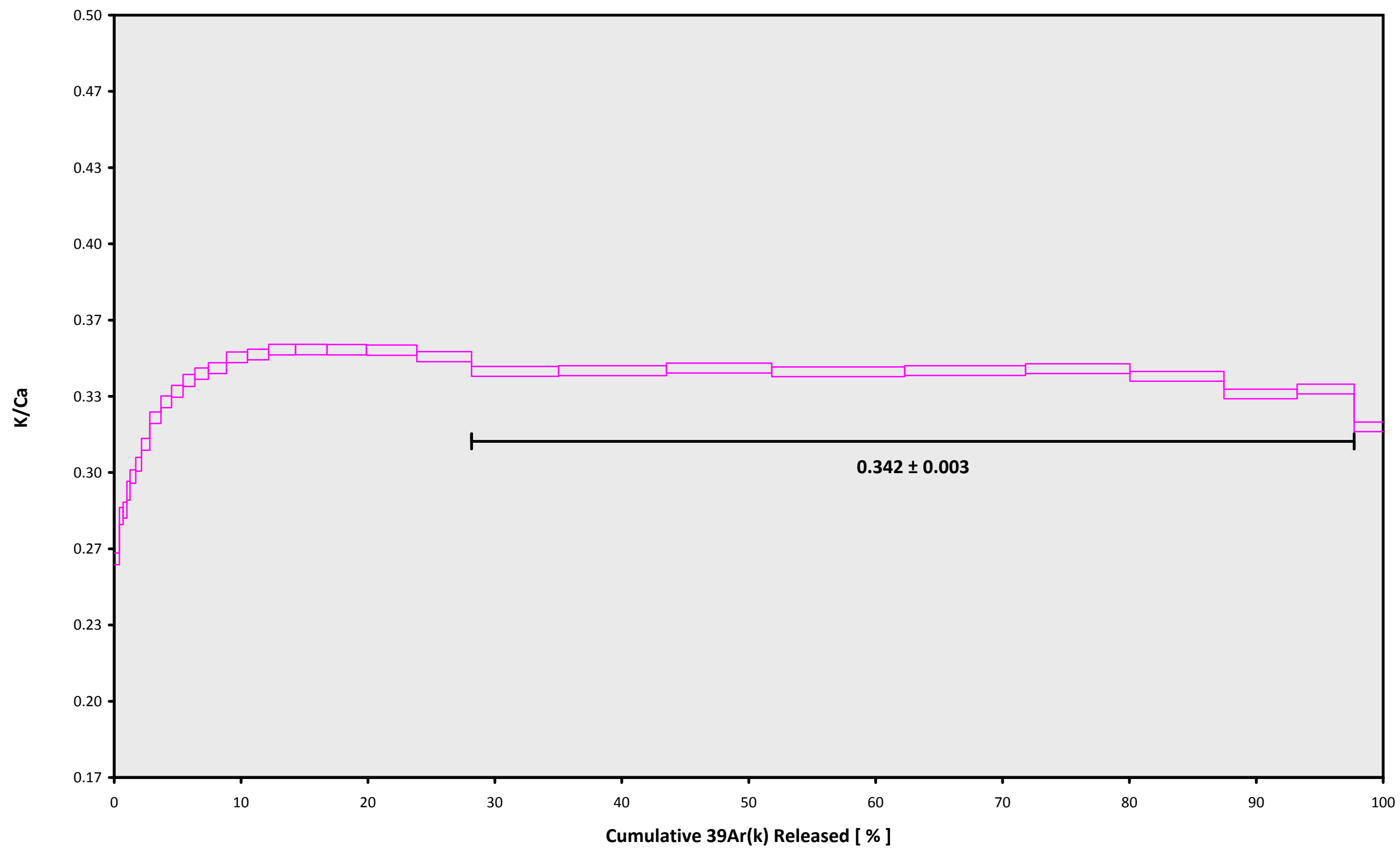
MSWD (PROBABILITY)
1.65 (10%)

Sample Info

Plagioclase
Sant Antioco Island, 18.1, SW
Sardinia, Italy
Dan Miggins

IRR = 17-OSU-08 (8C22-17)
J = 0.00160291 ± 0.00000141

17E28684.AGE >>> ANT-12 >>> ITALY | ALS GLOBAL (17-25) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
15.35 ± 0.03

TOTAL FUSION
15.32 ± 0.03

NORMAL ISOCHRON
15.33 ± 0.03

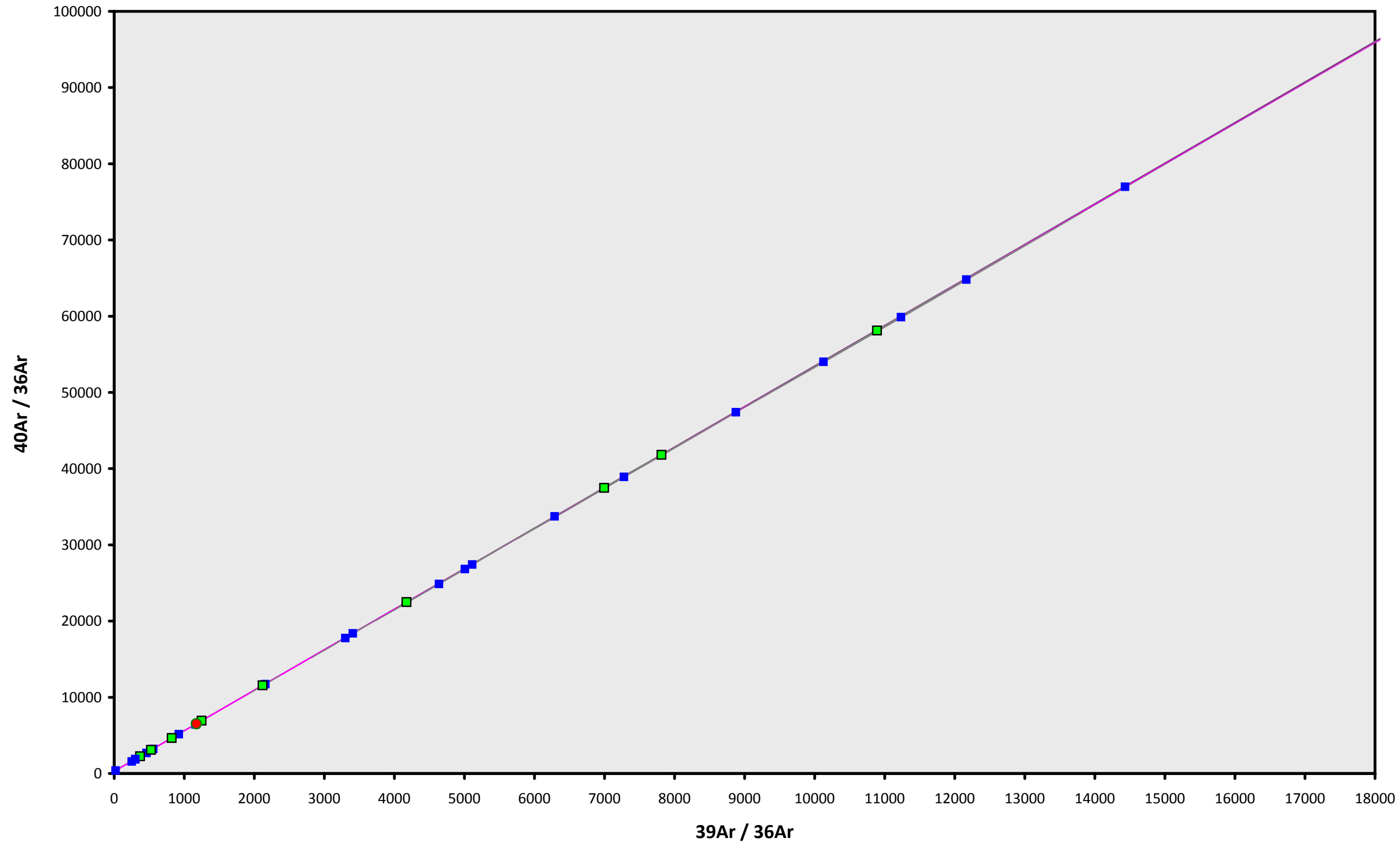
INVERSE ISOCHRON
15.34 ± 0.03

Sample Info

Plagioclase
Sant Antioco Island, 18.1, SW
Sardinia, Italy
Dan Miggins

IRR = 17-OSU-08 (8C22-17)
J = 0.00160291 ± 0.00000141

17E28684.AGE >>> ANT-12 >>> ITALY | ALS GLOBAL (17-25) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
15.35 ± 0.03

TOTAL FUSION
15.32 ± 0.03

NORMAL ISOCHRON
15.33 ± 0.03

INVERSE ISOCHRON
15.34 ± 0.03

MSWD (PROBABILITY)
1.45 (18%)

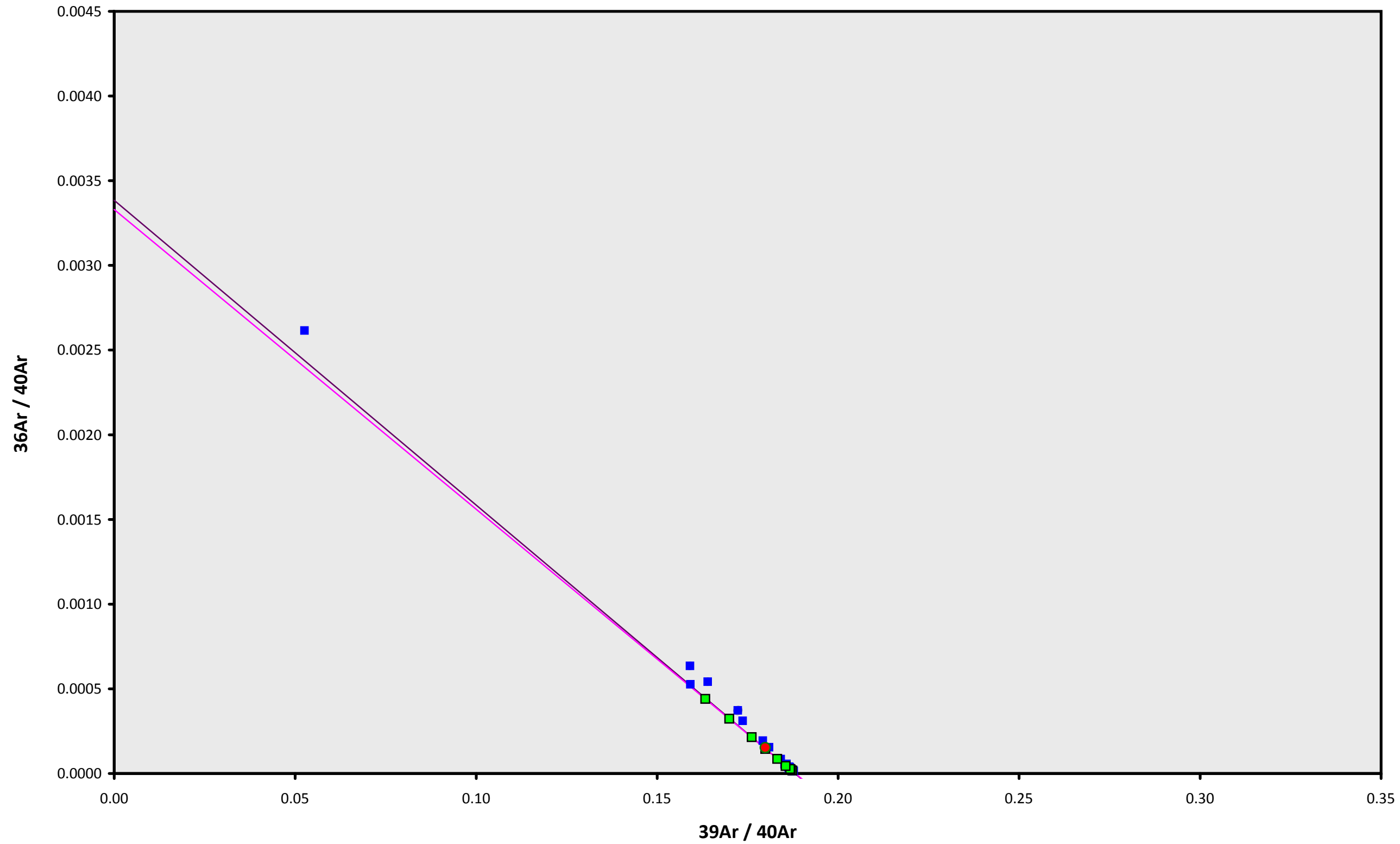
40AR/36AR INTERCEPT
302.7 ± 4.1

Sample Info

Plagioclase
Sant Antioco Island, 18.1, SW
Sardinia, Italy
Dan Miggins

IRR = 17-OSU-08 (8C22-17)
J = 0.00160291 ± 0.00000141

17E28684.AGE >>> ANT-12 >>> ITALY | ALS GLOBAL (17-25) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
15.35 ± 0.03

TOTAL FUSION
15.32 ± 0.03

NORMAL ISOCHRON
15.33 ± 0.03

INVERSE ISOCHRON
15.34 ± 0.03

MSWD (PROBABILITY)
0.82 (57%)

SPREADING FACTOR
12.8%

40AR/36AR INTERCEPT
300.3 ± 3.4

Sample Info

Plagioclase
Sant Antioco Island, 18.1, SW
Sardinia, Italy
Dan Miggins

IRR = 17-OSU-08 (8C22-17)
J = 0.00160291 ± 0.00000141

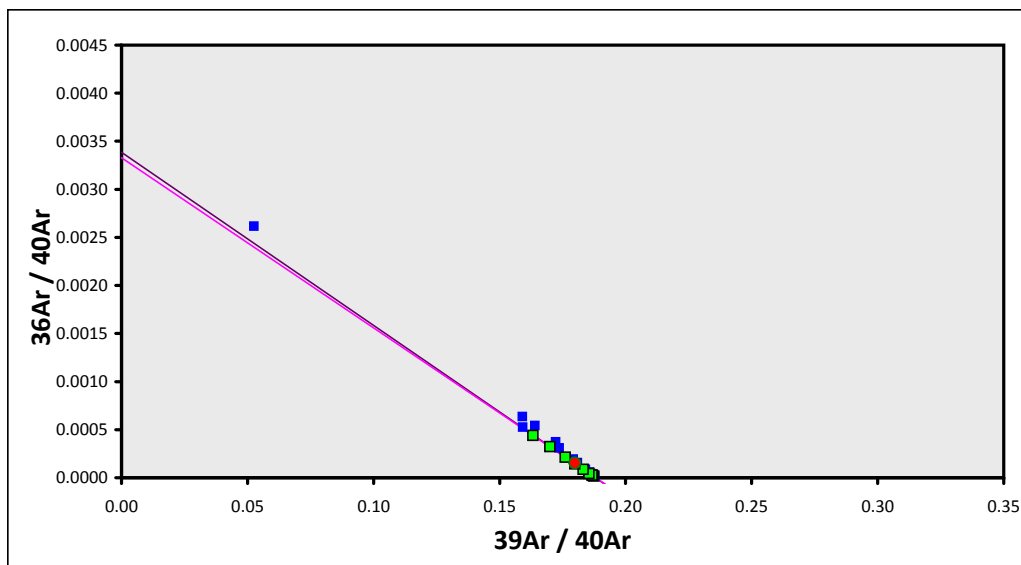
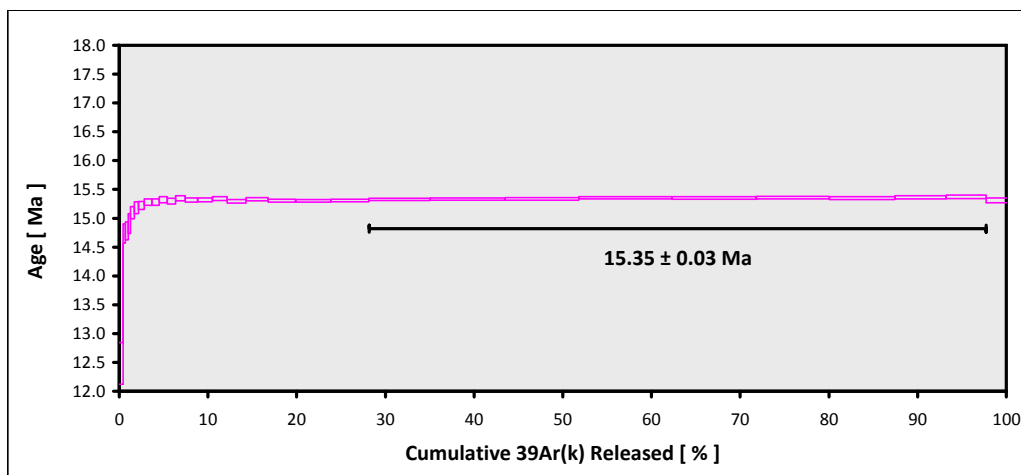
EXP#17E28684 > ANT-12 > Plagioclase > ALS GLOBAL (17-25)
SW SARDINIA > SANT ANTIOCO ISLAND,1 ...
17-OSU-08 (8C22-17) > Incremental Heating > Dan Miggins

**Information on Analysis
 and Constants Used in Calculations**

Project = ALS GLOBAL (17-25)
 Sample = ANT-12
 Material = Plagioclase
 Location = Sant Antioco Island,1 ...
 Region = SW Sardinia
 Analyst = Dan Miggins
 Irradiation = 17-OSU-08 (8C22-17)
 Position = X: 0 | Y: 0 | Z/H: 34.23222 mm
 FCT-NM Age = 28.201 ± 0.023 Ma
 FCT-NM Reference = Kuiper et al (2008)
 FCT-NM 40Ar/39Ar Ratio = 9.80552 ± 0.00863
 FCT-NM J-value = 0.00160291 ± 0.00000141
 Air Shot 40Ar/36Ar = 305.5690 ± 0.2903
 Air Shot MDF = 0.99175144 ± 0.00061809 (LIN)
 Experiment Type = Incremental Heating
 Extraction Method = Bulk Laser Heating
 Heating = 54 sec
 Isolation = 3.00 min
 Instrument = ARGUS-VI-E
 Preferred Age = Plateau Age
 Age Classification = Eruption Age
 IGSN = 13.4
 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) = 295.50 ± 0.70
 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

Slight excess argon

| Results | 40(a)/36(a) ± 2σ | 40(r)/39(k) ± 2σ | Age ± 2σ (Ma) | MSWD | 39Ar(k) (% ,n) | K/Ca ± 2σ |
|------------------|--------------------------|------------------------------|----------------------------------------------------------------------------------|-------------------------------|----------------------------------------------------------------------------------|---------------|
| Age Plateau | | 5.31733 ± 0.00334 ± 0.06% | 15.35 ± 0.03 ± 0.19% Full External Error ± 0.35 Analytical Error ± 0.01 | 1.65 10% 2.00 1.2862 | 69.55 9 2σ Confidence Limit Error Magnification | 0.342 ± 0.003 |
| Total Fusion Age | | 5.30757 ± 0.00211 ± 0.04% | 15.32 ± 0.03 ± 0.18% Full External Error ± 0.35 Analytical Error ± 0.01 | | 30 | 0.342 ± 0.001 |
| Normal Isochron | 302.74 ± 4.11 ± 1.36% | 5.31045 ± 0.00419 ± 0.08% | 15.33 ± 0.03 ± 0.19% Full External Error ± 0.35 Analytical Error ± 0.01 | 1.45 18% 2.07 1.2040 | 69.55 9 2σ Confidence Limit Error Magnification | |
| Inverse Isochron | 300.31 ± 3.41 ± 1.13% | 5.31415 ± 0.00347 ± 0.07% | 15.34 ± 0.03 ± 0.19% Full External Error ± 0.35 Analytical Error ± 0.01 | 0.82 57% 2.07 1.0000 | 69.55 9 2σ Confidence Limit Error Magnification 13% Spreading Factor | |



| 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 |
|---------------------|--------|-------------|---------|-----------|--------|-----------|-------|-----------|-------|-----------|-------|-------------------|---------------|-------------|-------------|-------------|
| 17E28733 | 1.8 % | 0.0027177 | 15.545 | 0.25804 | 22.428 | 0.177915 | 5.378 | 15.1877 | 0.100 | 84.695 | 0.072 | 5.52448 ± 0.02139 | 16.25 ± 0.06 | 99.07 | 0.19 | 25.3 ± 11.4 |
| 17E28735 | 1.9 % | 0.0021545 | 19.470 | 0.13963 | 42.968 | 0.119834 | 8.197 | 10.5301 | 0.127 | 58.078 | 0.105 | 5.45548 ± 0.02969 | 16.04 ± 0.09 | 98.91 | 0.13 | 32.4 ± 27.9 |
| 17E28736 | 2.0 % | 0.0024736 | 16.528 | 0.12620 | 44.402 | 0.120904 | 8.229 | 9.4822 | 0.133 | 52.346 | 0.115 | 5.44393 ± 0.03195 | 16.01 ± 0.09 | 98.61 | 0.12 | 32.3 ± 28.7 |
| 17E28737 | 2.2 % | 0.0024682 | 16.843 | 0.19913 | 28.240 | 0.183117 | 5.379 | 14.4397 | 0.102 | 78.175 | 0.078 | 5.36397 ± 0.02195 | 15.78 ± 0.06 | 99.08 | 0.18 | 31.2 ± 17.6 |
| 17E28739 | 2.4 % | 0.0014982 | 28.614 | 0.26548 | 21.578 | 0.168272 | 5.927 | 13.1347 | 0.109 | 71.201 | 0.085 | 5.38826 ± 0.02443 | 15.85 ± 0.07 | 99.40 | 0.16 | 21.3 ± 9.2 |
| 17E28740 | 2.7 % | 0.0019382 | 22.222 | 0.34314 | 15.954 | 0.253354 | 4.118 | 19.7594 | 0.090 | 106.573 | 0.057 | 5.36543 ± 0.01725 | 15.78 ± 0.05 | 99.48 | 0.25 | 24.8 ± 7.9 |
| 17E28741 | 3.0 % | 0.0033283 | 12.358 | 0.57410 | 9.400 | 0.469172 | 2.198 | 37.2486 | 0.072 | 199.903 | 0.031 | 5.34103 ± 0.01064 | 15.71 ± 0.03 | 99.52 | 0.46 | 27.9 ± 5.2 |
| 17E28743 | 3.2 % | 0.0021040 | 19.966 | 0.69868 | 8.346 | 0.508610 | 1.892 | 41.8705 | 0.071 | 223.950 | 0.028 | 5.33456 ± 0.01009 | 15.69 ± 0.03 | 99.74 | 0.52 | 25.8 ± 4.3 |
| 17E28744 | 3.4 % | 0.0025108 | 16.887 | 0.47467 | 11.822 | 0.361269 | 2.827 | 29.0191 | 0.077 | 155.655 | 0.039 | 5.33909 ± 0.01268 | 15.70 ± 0.04 | 99.54 | 0.36 | 26.3 ± 6.2 |
| 17E28745 | 3.6 % | 0.0023830 | 17.824 | 0.50980 | 11.607 | 0.397784 | 2.375 | 31.7562 | 0.075 | 170.106 | 0.036 | 5.33519 ± 0.01190 | 15.69 ± 0.03 | 99.60 | 0.39 | 26.8 ± 6.2 |
| 17E28747 | 3.9 % | 0.0018141 | 22.596 | 0.62507 | 9.178 | 0.491124 | 1.952 | 40.2987 | 0.071 | 215.551 | 0.029 | 5.33621 ± 0.01017 | 15.70 ± 0.03 | 99.76 | 0.50 | 27.7 ± 5.1 |
| 17E28748 | 4.2 % | 0.0029661 | 13.718 | 1.00201 | 6.025 | 0.761276 | 1.253 | 62.2107 | 0.067 | 332.660 | 0.019 | 5.33396 ± 0.00839 | 15.69 ± 0.02 | 99.75 | 0.77 | 26.7 ± 3.2 |
| 17E28749 | 4.5 % | 0.0015879 | 27.434 | 0.94503 | 6.035 | 0.737744 | 1.338 | 61.1206 | 0.067 | 326.391 | 0.020 | 5.33311 ± 0.00856 | 15.69 ± 0.03 | 99.87 | 0.76 | 27.8 ± 3.4 |
| 17E28751 | 4.8 % | 0.0028875 | 14.954 | 1.40137 | 4.230 | 1.002479 | 0.998 | 85.0163 | 0.065 | 453.986 | 0.015 | 5.33072 ± 0.00776 | 15.68 ± 0.02 | 99.83 | 1.06 | 26.1 ± 2.2 |
| 17E28752 | 5.1 % | 0.0039985 | 10.669 | 1.63553 | 3.588 | 1.204057 | 0.826 | 98.9227 | 0.065 | 528.503 | 0.013 | 5.33141 ± 0.00747 | 15.68 ± 0.02 | 99.79 | 1.23 | 26.0 ± 1.9 |
| 17E28753 | 5.4 % | 0.0034107 | 12.714 | 1.44578 | 4.081 | 1.115776 | 0.966 | 91.9751 | 0.065 | 491.273 | 0.014 | 5.33112 ± 0.00760 | 15.68 ± 0.02 | 99.81 | 1.14 | 27.4 ± 2.2 |
| 17E28755 | 5.8 % | 0.0048543 | 8.770 | 2.59090 | 2.155 | 1.884880 | 0.509 | 157.6315 | 0.064 | 841.936 | 0.008 | 5.33283 ± 0.00706 | 15.69 ± 0.02 | 99.84 | 1.96 | 26.2 ± 1.1 |
| 17E28756 | 6.2 % | 0.0051037 | 8.553 | 2.59776 | 2.380 | 1.928156 | 0.522 | 159.2072 | 0.064 | 850.130 | 0.009 | 5.33105 ± 0.00710 | 15.68 ± 0.02 | 99.84 | 1.98 | 26.4 ± 1.3 |
| 17E28757 | 6.8 % | 0.0064242 | 7.720 | 3.85483 | 1.523 | 2.764098 | 0.385 | 230.4781 | 0.064 | 1231.458 | 0.006 | 5.33561 ± 0.00695 | 15.69 ± 0.02 | 99.86 | 2.86 | 25.7 ± 0.8 |
| 17E28759 | 7.4 % | ✓ 0.0067406 | 7.083 | 4.95622 | 1.215 | 3.557770 | 0.313 | 296.9023 | 0.063 | 1587.255 | 0.005 | 5.34013 ± 0.00685 | 15.71 ± 0.02 | 99.89 | 3.69 | 25.8 ± 0.6 |
| 17E28760 | 8.2 % | ✓ 0.0099792 | 5.136 | 6.91919 | 0.885 | 4.938976 | 0.253 | 412.7787 | 0.063 | 2206.435 | 0.004 | 5.34091 ± 0.00681 | 15.70 ± 0.02 | 99.88 | 5.13 | 25.7 ± 0.5 |
| 17E28761 | 9.1 % | ✓ 0.0252245 | 2.071 | 10.62857 | 0.640 | 7.605041 | 0.189 | 634.8606 | 0.063 | 3398.947 | 0.003 | 5.34289 ± 0.00675 | 15.72 ± 0.02 | 99.79 | 7.88 | 25.7 ± 0.3 |
| 17E28763 | 9.6 % | ✓ 0.0086473 | 5.195 | 6.05760 | 0.977 | 4.405477 | 0.274 | 368.7936 | 0.063 | 1971.949 | 0.004 | 5.34086 ± 0.00684 | 15.71 ± 0.02 | 99.88 | 4.58 | 26.2 ± 0.5 |
| 17E28764 | 10.0 % | ✓ 0.0086547 | 5.544 | 7.30026 | 0.847 | 5.257255 | 0.225 | 439.5585 | 0.063 | 2349.860 | 0.004 | 5.34091 ± 0.00680 | 15.71 ± 0.02 | 99.90 | 5.46 | 25.9 ± 0.4 |
| 17E28765 | 10.5 % | ✓ 0.0189442 | 2.587 | 6.38587 | 0.947 | 4.558464 | 0.257 | 379.6984 | 0.063 | 2033.817 | 0.005 | 5.34245 ± 0.00683 | 15.71 ± 0.02 | 99.74 | 4.72 | 25.6 ± 0.5 |
| 17E28767 | 11.0 % | ✓ 0.0251499 | 2.106 | 8.28399 | 0.785 | 5.958793 | 0.216 | 497.9245 | 0.063 | 2667.812 | 0.004 | 5.34372 ± 0.00679 | 15.72 ± 0.02 | 99.73 | 6.18 | 25.8 ± 0.4 |
| 17E28768 | 11.5 % | ✓ 0.0072692 | 6.407 | 7.21126 | 0.831 | 5.105425 | 0.235 | 427.2890 | 0.063 | 2283.978 | 0.004 | 5.34105 ± 0.00679 | 15.71 ± 0.02 | 99.92 | 5.31 | 25.5 ± 0.4 |
| 17E28769 | 12.0 % | ✓ 0.5453772 | 0.333 | 7.01648 | 0.856 | 5.121585 | 0.234 | 419.4324 | 0.063 | 2401.607 | 0.004 | 5.34240 ± 0.00723 | 15.71 ± 0.02 | 93.30 | 5.21 | 25.7 ± 0.4 |
| 17E28771 | 12.5 % | ✓ 0.1683180 | 0.522 | 6.77826 | 0.901 | 4.894570 | 0.246 | 407.4408 | 0.063 | 2227.848 | 0.004 | 5.34661 ± 0.00689 | 15.73 ± 0.02 | 97.78 | 5.06 | 25.8 ± 0.5 |
| 17E28772 | 13.0 % | ✓ 0.0113572 | 4.285 | 5.85236 | 1.046 | 4.252151 | 0.268 | 355.9197 | 0.063 | 1907.169 | 0.005 | 5.34976 ± 0.00683 | 15.74 ± 0.02 | 99.84 | 4.42 | 26.2 ± 0.5 |
| 17E28773 | 13.7 % | ✓ 0.0262253 | 1.924 | 4.56318 | 1.322 | 3.310969 | 0.340 | 276.5890 | 0.063 | 1485.897 | 0.005 | 5.34497 ± 0.00690 | 15.72 ± 0.02 | 99.49 | 3.43 | 26.1 ± 0.7 |
| 17E28775 | 14.4 % | ✓ 0.0189021 | 2.641 | 5.08927 | 1.161 | 3.695797 | 0.294 | 310.0105 | 0.063 | 1665.258 | 0.005 | 5.35436 ± 0.00687 | 15.75 ± 0.02 | 99.68 | 3.85 | 26.2 ± 0.6 |
| 17E28776 | 15.0 % | ✓ 0.0714161 | 0.938 | 3.71965 | 1.591 | 2.656546 | 0.405 | 221.0554 | 0.064 | 1203.251 | 0.006 | 5.34854 ± 0.00709 | 15.73 ± 0.02 | 98.26 | 2.75 | 25.6 ± 0.8 |
| 17E28777 | 15.7 % | ✓ 0.0053065 | 8.399 | 3.25693 | 1.820 | 2.333619 | 0.446 | 194.2141 | 0.064 | 1040.640 | 0.008 | 5.35093 ± 0.00699 | 15.74 ± 0.02 | 99.86 | 2.41 | 25.6 ± 0.9 |
| 17E28779 | 16.2 % | 0.0032631 | 14.428 | 4.39137 | 1.270 | 3.203742 | 0.344 | 269.8110 | 0.063 | 1448.269 | 0.006 | 5.36489 ± 0.00691 | 15.78 ± 0.02 | 99.95 | 3.35 | 26.4 ± 0.7 |
| 17E28780 | 17.0 % | 0.0025705 | 17.483 | 3.20809 | 1.881 | 2.312269 | 0.440 | 193.8218 | 0.064 | 1040.849 | 0.008 | 5.36699 ± 0.00702 | 15.79 ± 0.02 | 99.94 | 2.41 | 26.0 ± 1.0 |
| 17E28781 | 17.7 % | 0.0033830 | 12.946 | 4.70398 | 1.284 | 3.359462 | 0.333 | 282.6210 | 0.064 | 1520.513 | 0.005 | 5.37728 ± 0.00694 | 15.82 ± 0.02 | 99.95 | 3.51 | 25.8 ± 0.7 |
| 17E28783 | 18.5 % | 0.0020636 | 20.250 | 1.63853 | 3.536 | 1.114817 | 0.891 | 93.2413 | 0.065 | 501.360 | 0.013 | 5.37133 ± 0.00764 | 15.80 ± 0.02 | 99.89 | 1.16 | 24.5 ± 1.7 |
| 17E28784 | 19.0 % | 0.0020976 | 20.073 | 2.00681 | 2.950 | 1.481554 | 0.648 | 124.9797 | 0.064 | 672.551 | 0.010 | 5.37705 ± 0.00727 | 15.82 ± 0.02 | 99.92 | 1.55 | 26.8 ± 1.6 |
| 17E28785 | 19.5 % | 0.0001625 | 253.606 | 0.18148 | 31.162 | 0.114874 | 8.600 | 9.9587 | 0.132 | 53.480 | 0.113 | 5.37595 ± 0.03080 | 15.81 ± 0.09 | 100.11 | 0.12 | 23.6 ± 14.7 |
| 17E28787 | 20.0 % | 0.0014572 | 29.282 | 1.52092 | 4.029 | 1.142232 | 0.871 | 94.8058 | 0.065 | 509.210 | 0.013 | 5.36727 ± 0.00763 | 15.79 ± 0.02 | 99.93 | 1.18 | 26.8 ± 2.2 |
| 17E28788 | 20.5 % | 0.0003521 | 118.098 | 0.33660 | 17.543 | 0.249964 | 3.762 | 20.8055 | 0.086 | 111.822 | 0.054 | 5.37041 ± 0.01613 | 15.80 ± 0.05 | 99.92 | 0.26 | 26.6 ± 9.3 |
| 17E28789 | 21.0 % | 0.0010157 | 40.120 | 0.34135 | 16.295 | 0.262500 | 3.767 | 21.8059 | 0.086 | 117.270 | 0.052 | 5.36483 ± 0.01548 | 15.78 ± 0.05 | 99.76 | 0.27 | 27.5 ± 9.0 |
| 17E28791 | 21.5 % | 0.0232065 | 2.069 | 0.36390 | 16.523 | 0.297663 | 3.121 | 24.5779 | 0.083 | 139.154 | 0.044 | 5.38337 ± 0.01545 | 15.83 ± 0.05 | 95.08 | 0.31 | 29.0 ± 9.6 |
| 17E28793 | 22.0 % | 0.0013360 | 30.797 | 1.02579 | 5.623 | 0.766626 | 1.266 | 64.4740 | 0.068 | 346.956 | 0.019 | 5.37593 ± 0.00846 | 15.81 ± 0.02 | 99.90 | 0.80 | 27.0 ± 3.0 |
| Σ | | 1.0547182 | 0.341 | 133.42507 | 0.297 | 96.607958 | 0.074 | 8052.6593 | 0.013 | 43365.727 | 0.001 | | | | | |

Information on Analysis and Constants Used in Calculations

Project = **ALS GLOBAL (17-25)**
 Sample = **ISP-81**
 Material = **Sanidine**
 Location = **San Pietro Island**
 Region = **SW Sardinia**
 Analyst = **Dan Miggins**
 Irradiation = **17-OSU-08 (8A11-17)**
 Position = **X: 0 | Y: 0 | Z/H: 15.22643 mm**
 FCT-NM Age = **28.201 ± 0.023 Ma**
 FCT-NM Reference = **Kuiper et al (2008)**
 FCT-NM 40Ar/39Ar Ratio = **9.62113 ± 0.00952**
 FCT-NM J-value = **0.00163363 ± 0.00000162**
 Air Shot 40Ar/36Ar = **305.5100 ± 0.2902**
 Air Shot MDF = **0.99179819 ± 0.00061821 (LIN)**
 Experiment Type = **Incremental Heating**
 Extraction Method = **Bulk Laser Heating**
 Heating = **54 sec**
 Isolation = **3.00 min**
 Instrument = **ARGUS-VI-E**
 Preferred Age = **Plateau Age**
 Age Classification = **Eruption Age**
 IGSN = **13.4**
 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(ε,β*) = **0.580 ± 0.009 E-10 1/a**
 Decay 40K(β-) = **4.950 ± 0.043 E-10 1/a**
 Atmospheric 40/36(a) = **295.50**
 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 | | 5.34453 ± 0.00234 ± 0.04% | 15.72 ± 0.03 ± 0.20% | 1.73 4% | 70.07 15 | 25.8 ± 0.1 |
| | | | Full External Error ± 0.36 Analytical Error ± 0.01 | 1.76 1.3150 | 2σ Confidence Limit Error Magnification | |
| Total Fusion Age | | 5.34734 ± 0.00141 ± 0.03% | 15.73 ± 0.03 ± 0.20% | | 45 | 26.0 ± 0.2 |
| | | | Full External Error ± 0.36 Analytical Error ± 0.00 | | | |
| Normal Isochron | 300.48 ± 9.81 ± 3.27% | 5.34052 ± 0.00343 ± 0.06% | 15.71 ± 0.03 ± 0.21% | 2.94 0% | 70.07 15 | |
| Error Chron | | | Full External Error ± 0.36 Analytical Error ± 0.01 | 1.78 1.7152 | 2σ Confidence Limit Error Magnification | |
| | | | | 1 | Number of Iterations | |
| | | | | 0.0000004604 | Convergence | |
| Inverse Isochron | 295.43 ± 7.79 ± 2.64% | 5.34455 ± 0.00270 ± 0.05% | 15.72 ± 0.03 ± 0.20% | 1.86 3% | 70.07 15 | |
| Error Chron | | | Full External Error ± 0.36 Analytical Error ± 0.01 | 1.78 1.3655 | 2σ Confidence Limit Error Magnification | |
| | | | | 2 | Number of Iterations | |

| 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 |
|---------------------|--------|-----------------|------------------|------------------|-----------------|-----------------|------------------|----------------|----------------|-------------|
| 17E28733 | 1.8 % | 0.0026480 | 0.25804 | 0.0000000 | 15.1875 | 83.903 | 16.25 ± 0.06 | 99.07 | 0.19 | 25.3 ± 11.4 |
| 17E28735 | 1.9 % | 0.0021168 | 0.13963 | 0.0000000 | 10.5301 | 57.447 | 16.04 ± 0.09 | 98.91 | 0.13 | 32.4 ± 27.9 |
| 17E28736 | 2.0 % | 0.0024387 | 0.12620 | 0.0059101 | 9.4821 | 51.620 | 16.01 ± 0.09 | 98.61 | 0.12 | 32.3 ± 28.7 |
| 17E28737 | 2.2 % | 0.0024133 | 0.19913 | 0.0082442 | 14.4395 | 77.453 | 15.78 ± 0.06 | 99.08 | 0.18 | 31.2 ± 17.6 |
| 17E28739 | 2.4 % | 0.0014252 | 0.26548 | 0.0093319 | 13.1345 | 70.772 | 15.85 ± 0.07 | 99.40 | 0.16 | 21.3 ± 9.2 |
| 17E28740 | 2.7 % | 0.0018435 | 0.34314 | 0.0143165 | 19.7592 | 106.017 | 15.78 ± 0.05 | 99.48 | 0.25 | 24.8 ± 7.9 |
| 17E28741 | 3.0 % | 0.0031706 | 0.57410 | 0.0186288 | 37.2483 | 198.944 | 15.71 ± 0.03 | 99.52 | 0.46 | 27.9 ± 5.2 |
| 17E28743 | 3.2 % | 0.0019148 | 0.69868 | 0.0024620 | 41.8700 | 223.358 | 15.69 ± 0.03 | 99.74 | 0.52 | 25.8 ± 4.3 |
| 17E28744 | 3.4 % | 0.0023811 | 0.47467 | 0.0102786 | 29.0188 | 154.934 | 15.70 ± 0.04 | 99.54 | 0.36 | 26.3 ± 6.2 |
| 17E28745 | 3.6 % | 0.0022433 | 0.50980 | 0.0137568 | 31.7559 | 169.424 | 15.69 ± 0.03 | 99.60 | 0.39 | 26.8 ± 6.2 |
| 17E28747 | 3.9 % | 0.0016446 | 0.62507 | 0.0040208 | 40.2983 | 215.040 | 15.70 ± 0.03 | 99.76 | 0.50 | 27.7 ± 5.1 |
| 17E28748 | 4.2 % | 0.0026940 | 1.00201 | 0.0092807 | 62.2101 | 331.826 | 15.69 ± 0.02 | 99.75 | 0.77 | 26.7 ± 3.2 |
| 17E28749 | 4.5 % | 0.0013325 | 0.94503 | 0.0000000 | 61.1200 | 325.960 | 15.69 ± 0.03 | 99.87 | 0.76 | 27.8 ± 3.4 |
| 17E28751 | 4.8 % | 0.0025087 | 1.40137 | 0.0000000 | 85.0154 | 453.193 | 15.68 ± 0.02 | 99.83 | 1.06 | 26.1 ± 2.2 |
| 17E28752 | 5.1 % | 0.0035552 | 1.63553 | 0.0084213 | 98.9217 | 527.392 | 15.68 ± 0.02 | 99.79 | 1.23 | 26.0 ± 1.9 |
| 17E28753 | 5.4 % | 0.0030194 | 1.44578 | 0.0041795 | 91.9742 | 490.325 | 15.68 ± 0.02 | 99.81 | 1.14 | 27.4 ± 2.2 |
| 17E28755 | 5.8 % | 0.0041540 | 2.59090 | 0.0000000 | 157.6299 | 840.613 | 15.69 ± 0.02 | 99.84 | 1.96 | 26.2 ± 1.1 |
| 17E28756 | 6.2 % | 0.0044009 | 2.59776 | 0.0041412 | 159.2055 | 848.733 | 15.68 ± 0.02 | 99.84 | 1.98 | 26.4 ± 1.3 |
| 17E28757 | 6.8 % | 0.0053823 | 3.85483 | 0.0000000 | 230.4756 | 1229.728 | 15.69 ± 0.02 | 99.86 | 2.86 | 25.7 ± 0.8 |
| 17E28759 | 7.4 % | ✓ 0.0054010 | 4.95622 | 0.0000000 | 296.8991 | 1585.479 | 15.71 ± 0.02 | 99.89 | 3.69 | 25.8 ± 0.6 |
| 17E28760 | 8.2 % | ✓ 0.0081089 | 6.91919 | 0.0000000 | 412.7743 | 2203.788 | 15.70 ± 0.02 | 99.88 | 5.13 | 25.7 ± 0.5 |
| 17E28761 | 9.1 % | ✓ 0.0223516 | 10.62857 | 0.0000000 | 634.8537 | 3391.957 | 15.72 ± 0.02 | 99.79 | 7.88 | 25.7 ± 0.3 |
| 17E28763 | 9.6 % | ✓ 0.0070099 | 6.05760 | 0.0000000 | 368.7897 | 1969.653 | 15.71 ± 0.02 | 99.88 | 4.58 | 26.2 ± 0.5 |
| 17E28764 | 10.0 % | ✓ 0.0066815 | 7.30026 | 0.0000000 | 439.5539 | 2347.619 | 15.71 ± 0.02 | 99.90 | 5.46 | 25.9 ± 0.4 |
| 17E28765 | 10.5 % | ✓ 0.0172181 | 6.38587 | 0.0000000 | 379.6943 | 2028.499 | 15.71 ± 0.02 | 99.74 | 4.72 | 25.6 ± 0.5 |
| 17E28767 | 11.0 % | ✓ 0.0229107 | 8.28399 | 0.0000000 | 497.9192 | 2660.740 | 15.72 ± 0.02 | 99.73 | 6.18 | 25.8 ± 0.4 |
| 17E28768 | 11.5 % | ✓ 0.0053200 | 7.21126 | 0.0000000 | 427.2843 | 2282.147 | 15.71 ± 0.02 | 99.92 | 5.31 | 25.5 ± 0.4 |
| 17E28769 | 12.0 % | ✓ 0.5434807 | 7.01648 | 0.0000000 | 419.4279 | 2240.754 | 15.71 ± 0.02 | 93.30 | 5.21 | 25.7 ± 0.4 |
| 17E28771 | 12.5 % | ✓ 0.1664858 | 6.77826 | 0.0000000 | 407.4364 | 2178.404 | 15.73 ± 0.02 | 97.78 | 5.06 | 25.8 ± 0.5 |
| 17E28772 | 13.0 % | ✓ 0.0097753 | 5.85236 | 0.0000000 | 355.9160 | 1904.064 | 15.74 ± 0.02 | 99.84 | 4.42 | 26.2 ± 0.5 |
| 17E28773 | 13.7 % | ✓ 0.0249918 | 4.56318 | 0.0000000 | 276.5860 | 1478.344 | 15.72 ± 0.02 | 99.49 | 3.43 | 26.1 ± 0.7 |
| 17E28775 | 14.4 % | ✓ 0.0175265 | 5.08927 | 0.0000000 | 310.0073 | 1659.891 | 15.75 ± 0.02 | 99.68 | 3.85 | 26.2 ± 0.6 |
| 17E28776 | 15.0 % | ✓ 0.0704107 | 3.71965 | 0.0000000 | 221.0530 | 1182.310 | 15.73 ± 0.02 | 98.26 | 2.75 | 25.6 ± 0.8 |
| 17E28777 | 15.7 % | ✓ 0.0044262 | 3.25693 | 0.0000000 | 194.2120 | 1039.214 | 15.74 ± 0.02 | 99.86 | 2.41 | 25.6 ± 0.9 |
| 17E28779 | 16.2 % | 0.0020761 | 4.39137 | 0.0000000 | 269.8082 | 1447.492 | 15.78 ± 0.02 | 99.95 | 3.35 | 26.4 ± 0.7 |
| 17E28780 | 17.0 % | 0.0017033 | 3.20809 | 0.0000000 | 193.8197 | 1040.228 | 15.79 ± 0.02 | 99.94 | 2.41 | 26.0 ± 1.0 |
| 17E28781 | 17.7 % | 0.0021115 | 4.70398 | 0.0000000 | 282.6180 | 1519.717 | 15.82 ± 0.02 | 99.95 | 3.51 | 25.8 ± 0.7 |
| 17E28783 | 18.5 % | 0.0016207 | 1.63853 | 0.0000000 | 93.2403 | 500.825 | 15.80 ± 0.02 | 99.89 | 1.16 | 24.5 ± 1.7 |
| 17E28784 | 19.0 % | 0.0015551 | 2.00681 | 0.0000000 | 124.9784 | 672.015 | 15.82 ± 0.02 | 99.92 | 1.55 | 26.8 ± 1.6 |
| 17E28785 | 19.5 % | 0.0002115 | 0.18148 | 0.0000000 | 9.9586 | 53.537 | 15.81 ± 0.09 | 100.11 | 0.12 | 23.6 ± 14.7 |
| 17E28787 | 20.0 % | 0.0010461 | 1.52092 | 0.0000000 | 94.8049 | 508.844 | 15.79 ± 0.02 | 99.93 | 1.18 | 26.8 ± 2.2 |
| 17E28788 | 20.5 % | 0.0002611 | 0.33660 | 0.0000000 | 20.8052 | 111.733 | 15.80 ± 0.05 | 99.92 | 0.26 | 26.6 ± 9.3 |
| 17E28789 | 21.0 % | 0.0009234 | 0.34135 | 0.0000000 | 21.8057 | 116.984 | 15.78 ± 0.05 | 99.76 | 0.27 | 27.5 ± 9.0 |
| 17E28791 | 21.5 % | 0.0231082 | 0.36390 | 0.0000000 | 24.5776 | 132.310 | 15.83 ± 0.05 | 95.08 | 0.31 | 29.0 ± 9.6 |
| 17E28793 | 22.0 % | 0.0010587 | 1.02579 | 0.0000000 | 64.4733 | 346.604 | 15.81 ± 0.02 | 99.90 | 0.80 | 27.0 ± 3.0 |
| Σ | | 1.0186380 | 133.42507 | 0.1129724 | 8052.5736 | 43059.832 | | | | |

| Information on Analysis | Results | 40(r)/39(k) ± 2σ | Age ± 2σ (Ma) | MSWD | 39Ar(k) (%n) | K/Ca ± 2σ |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------------------------|-------------------------------------------------------|----------------|--------------------------------------------|------------|
| Project = ALS GLOBAL (17-25) Sample = ISP-81 Material = Sanidine Location = San Pietro Island Region = SW Sardinia Analyst = Dan Miggins Irradiation = 17-OSU-08 (8A11-17) J = 0.00163363 ± 0.00000162 FCT-NM = 28.201 ± 0.023 Ma | Age Plateau | 5.34453 ± 0.00234 ± 0.04% | 15.72 ± 0.03 ± 0.20% | 1.73 4% | 70.07 15 | 25.8 ± 0.1 |
| | | | Full External Error ± 0.36 Analytical Error ± 0.01 | 1.76 1.3150 | 2σ Confidence Limit Error Magnification | |
| | Total Fusion Age | 5.34734 ± 0.00141 ± 0.03% | 15.73 ± 0.03 ± 0.20% | | 45 | 26.0 ± 0.2 |
| | | | Full External Error ± 0.36 Analytical Error ± 0.00 | | | |

| Normal Isochron | | 39(k)/36(a) ± 2σ | 40(a+r)/36(a) ± 2σ | r.i. |
|-----------------|----------|----------------------|------------------------|--------|
| 17E28733 | 1.8 % | 5735.57 ± 1831.40 | 31981.54 ± 10211.77 | 1.0000 |
| 17E28735 | 1.9 % | 4974.57 ± 1973.15 | 27434.17 ± 10881.60 | 1.0000 |
| 17E28736 | 2.0 % | 3888.18 ± 1304.59 | 21462.49 ± 7201.20 | 0.9999 |
| 17E28737 | 2.2 % | 5983.36 ± 2062.82 | 32390.08 ± 11166.70 | 1.0000 |
| 17E28739 | 2.4 % | 9216.07 ± 5548.09 | 49954.08 ± 30072.33 | 1.0000 |
| 17E28740 | 2.7 % | 10718.07 ± 5011.37 | 57802.63 ± 27026.23 | 1.0000 |
| 17E28741 | 3.0 % | 11748.10 ± 3050.10 | 63042.37 ± 16367.16 | 1.0000 |
| 17E28743 | 3.2 % | 21866.92 ± 9601.63 | 116945.88 ± 51349.98 | 1.0000 |
| 17E28744 | 3.4 % | 12186.97 ± 4343.06 | 65362.79 ± 23293.11 | 1.0000 |
| 17E28745 | 3.6 % | 14155.56 ± 5364.16 | 75818.11 ± 28730.60 | 1.0000 |
| 17E28747 | 3.9 % | 24503.84 ± 12224.08 | 131053.11 ± 65377.44 | 1.0000 |
| 17E28748 | 4.2 % | 23092.01 ± 6981.29 | 123467.43 ± 37326.93 | 1.0000 |
| 17E28749 | 4.5 % | 45869.28 ± 30011.14 | 244921.44 ± 160245.77 | 1.0000 |
| 17E28751 | 4.8 % | 33888.35 ± 11673.70 | 180944.82 ± 62330.58 | 1.0000 |
| 17E28752 | 5.1 % | 27824.11 ± 6681.77 | 148637.29 ± 35693.74 | 1.0000 |
| 17E28753 | 5.4 % | 30461.54 ± 8756.11 | 162689.55 ± 46764.36 | 1.0000 |
| 17E28755 | 5.8 % | 37946.85 ± 7783.37 | 202659.46 ± 41567.20 | 1.0000 |
| 17E28756 | 6.2 % | 36175.45 ± 7182.14 | 193148.62 ± 38346.25 | 1.0000 |
| 17E28757 | 6.8 % | 42821.20 ± 7895.65 | 228772.74 ± 42181.61 | 1.0000 |
| 17E28759 | 7.4 % ✓ | 54971.48 ± 9724.45 | 293850.19 ± 51980.78 | 1.0000 |
| 17E28760 | 8.2 % ✓ | 50903.75 ± 6439.06 | 272068.92 ± 34413.58 | 0.9999 |
| 17E28761 | 9.1 % ✓ | 28403.07 ± 1328.95 | 152050.10 ± 7111.71 | 0.9996 |
| 17E28763 | 9.6 % ✓ | 52609.91 ± 6747.35 | 281277.51 ± 36072.76 | 1.0000 |
| 17E28764 | 10.0 % ✓ | 65786.97 ± 9454.34 | 351658.04 ± 50535.33 | 1.0000 |
| 17E28765 | 10.5 % ✓ | 22052.10 ± 1256.51 | 118107.80 ± 6728.05 | 0.9998 |
| 17E28767 | 11.0 % ✓ | 21733.01 ± 1005.63 | 116430.55 ± 5385.45 | 0.9996 |
| 17E28768 | 11.5 % ✓ | 80316.86 ± 14071.29 | 429271.82 ± 75205.30 | 1.0000 |
| 17E28769 | 12.0 % ✓ | 771.74 ± 5.26 | 4418.47 ± 29.58 | 0.9826 |
| 17E28771 | 12.5 % ✓ | 2447.27 ± 26.03 | 13380.12 ± 141.34 | 0.9929 |
| 17E28772 | 13.0 % ✓ | 36409.88 ± 3627.83 | 195079.51 ± 19435.89 | 0.9999 |
| 17E28773 | 13.7 % ✓ | 11067.06 ± 447.26 | 59448.58 ± 2401.36 | 0.9995 |
| 17E28775 | 14.4 % ✓ | 17687.94 ± 1008.27 | 95003.13 ± 5414.17 | 0.9998 |
| 17E28776 | 15.0 % ✓ | 3139.48 ± 59.86 | 17087.13 ± 325.06 | 0.9977 |
| 17E28777 | 15.7 % ✓ | 43877.95 ± 8842.63 | 235083.19 ± 47374.90 | 1.0000 |
| 17E28779 | 16.2 % | 129958.66 ± 58971.13 | 697509.61 ± 316506.58 | 1.0000 |
| 17E28780 | 17.0 % | 113789.82 ± 60082.14 | 611004.20 ± 322615.28 | 1.0000 |
| 17E28781 | 17.7 % | 133844.75 ± 55563.07 | 720016.83 ± 298899.74 | 1.0000 |
| 17E28783 | 18.5 % | 57531.21 ± 29688.65 | 309314.85 ± 159619.67 | 1.0000 |
| 17E28784 | 19.0 % | 80365.50 ± 43549.25 | 432424.74 ± 234325.97 | 1.0000 |
| 17E28785 | 19.5 % | 47078.38 ± 183538.90 | 252795.71 ± 985544.54 | 1.0000 |
| 17E28787 | 20.0 % | 90631.27 ± 73992.55 | 486738.24 ± 397378.93 | 1.0000 |
| 17E28788 | 20.5 % | 79684.78 ± 253983.75 | 428235.15 ± 1364937.64 | 1.0000 |
| 17E28789 | 21.0 % | 23614.30 ± 20855.45 | 126982.23 ± 112146.78 | 1.0000 |
| 17E28791 | 21.5 % | 1063.59 ± 44.26 | 6021.20 ± 250.44 | 0.9990 |
| 17E28793 | 22.0 % | 60896.54 ± 47366.32 | 327671.29 ± 254867.67 | 1.0000 |

| Results | 40(a)/36(a) ± 2σ | 40(r)/39(k) ± 2σ | Age ± 2σ (Ma) | MSWD |
|-----------------|-----------------------|-------------------|----------------------------|-----------------|
| Normal Isochron | 300.48 ± 9.81 | 5.34052 ± 0.00343 | 15.71 ± 0.03 | 2.94 |
| Error Chron | ± 3.27% | ± 0.06% | ± 0.21% | 0% |
| | | | Full External Error ± 0.36 | |
| | | | Analytical Error ± 0.01 | |
| Statistics | 2σ Confidence Limit | 1.78 | Convergence | 0.000000460435 |
| | Error Magnification | 1.7152 | Number of Iterations | 1 |
| | Number of Data Points | 15 | Calculated Line | Weighted York-2 |

| Inverse Isochron | | 39(k)/40(a+r) ± 2σ | 36(a)/40(a+r) ± 2σ | r.i. |
|------------------|--------|-------------------------|--------------------------|--------|
| 17E28733 | 1.8 % | 0.1793400 ± 0.0004425 | 0.00003127 ± 0.00000998 | 0.0026 |
| 17E28735 | 1.9 % | 0.1813275 ± 0.0005977 | 0.00003645 ± 0.00001446 | 0.0034 |
| 17E28736 | 2.0 % | 0.1811616 ± 0.0006366 | 0.00004659 ± 0.00001563 | 0.0045 |
| 17E28737 | 2.2 % | 0.1847283 ± 0.0004754 | 0.00003087 ± 0.00001064 | 0.0027 |
| 17E28739 | 2.4 % | 0.1844909 ± 0.0005114 | 0.00002002 ± 0.00001205 | 0.0017 |
| 17E28740 | 2.7 % | 0.1854254 ± 0.0003956 | 0.00001730 ± 0.00000809 | 0.0013 |
| 17E28741 | 3.0 % | 0.1863524 ± 0.0002927 | 0.00001586 ± 0.00000412 | 0.0010 |
| 17E28743 | 3.2 % | 0.1869832 ± 0.0002858 | 0.00000855 ± 0.00000375 | 0.0005 |
| 17E28744 | 3.4 % | 0.1864512 ± 0.0003240 | 0.00001530 ± 0.00000545 | 0.0010 |
| 17E28745 | 3.6 % | 0.1867042 ± 0.0003110 | 0.00001319 ± 0.00000500 | 0.0008 |
| 17E28747 | 3.9 % | 0.1869764 ± 0.0002873 | 0.00000763 ± 0.00000381 | 0.0004 |
| 17E28748 | 4.2 % | 0.1870292 ± 0.0002609 | 0.00000810 ± 0.00000245 | 0.0004 |
| 17E28749 | 4.5 % | 0.1872816 ± 0.0002615 | 0.00000408 ± 0.00000267 | 0.0002 |
| 17E28751 | 4.8 % | 0.1872856 ± 0.0002513 | 0.00000553 ± 0.00000190 | 0.0002 |
| 17E28752 | 5.1 % | 0.1871947 ± 0.0002465 | 0.00000673 ± 0.00000162 | 0.0002 |
| 17E28753 | 5.4 % | 0.1872372 ± 0.0002483 | 0.00000615 ± 0.00000177 | 0.0002 |
| 17E28755 | 5.8 % | 0.1872444 ± 0.0002413 | 0.00000493 ± 0.00000101 | 0.0001 |
| 17E28756 | 6.2 % | 0.1872933 ± 0.0002430 | 0.00000518 ± 0.00000103 | 0.0001 |
| 17E28757 | 6.8 % | 0.1871779 ± 0.0002397 | 0.00000437 ± 0.00000081 | 0.0001 |
| 17E28759 | 7.4 % | ✓ 0.1870732 ± 0.0002375 | 0.00000340 ± 0.00000060 | 0.0001 |
| 17E28760 | 8.2 % | ✓ 0.1870987 ± 0.0002372 | 0.00000368 ± 0.00000046 | 0.0000 |
| 17E28761 | 9.1 % | ✓ 0.1868007 ± 0.0002353 | 0.00000658 ± 0.00000031 | 0.0001 |
| 17E28763 | 9.6 % | ✓ 0.1870391 ± 0.0002382 | 0.00000356 ± 0.00000046 | 0.0001 |
| 17E28764 | 10.0 % | ✓ 0.1870765 ± 0.0002370 | 0.00000284 ± 0.00000041 | 0.0000 |
| 17E28765 | 10.5 % | ✓ 0.1867116 ± 0.0002371 | 0.00000847 ± 0.00000048 | 0.0001 |
| 17E28767 | 11.0 % | ✓ 0.1866607 ± 0.0002361 | 0.00000859 ± 0.00000040 | 0.0001 |
| 17E28768 | 11.5 % | ✓ 0.1871002 ± 0.0002369 | 0.00000233 ± 0.00000041 | 0.0000 |
| 17E28769 | 12.0 % | ✓ 0.1746632 ± 0.0002210 | 0.00022632 ± 0.00000151 | 0.0007 |
| 17E28771 | 12.5 % | ✓ 0.1829037 ± 0.0002318 | 0.00007474 ± 0.00000079 | 0.0006 |
| 17E28772 | 13.0 % | ✓ 0.1866412 ± 0.0002368 | 0.00000513 ± 0.00000051 | 0.0001 |
| 17E28773 | 13.7 % | ✓ 0.1861618 ± 0.0002372 | 0.00001682 ± 0.00000068 | 0.0002 |
| 17E28775 | 14.4 % | ✓ 0.1861827 ± 0.0002366 | 0.00001053 ± 0.00000060 | 0.0002 |
| 17E28776 | 15.0 % | ✓ 0.1837337 ± 0.0002357 | 0.00005852 ± 0.00000111 | 0.0007 |
| 17E28777 | 15.7 % | ✓ 0.1866486 ± 0.0002392 | 0.00000425 ± 0.00000086 | 0.0001 |
| 17E28779 | 16.2 % | 0.1863181 ± 0.0002374 | 0.00000143 ± 0.00000065 | 0.0000 |
| 17E28780 | 17.0 % | 0.1862341 ± 0.0002389 | 0.00000164 ± 0.00000086 | 0.0000 |
| 17E28781 | 17.7 % | 0.1858911 ± 0.0002377 | 0.00000139 ± 0.00000058 | 0.0000 |
| 17E28783 | 18.5 % | 0.1859956 ± 0.0002482 | 0.00000323 ± 0.00000167 | 0.0001 |
| 17E28784 | 19.0 % | 0.1858485 ± 0.0002417 | 0.00000231 ± 0.00000125 | 0.0001 |
| 17E28785 | 19.5 % | 0.1862309 ± 0.0002480 | 0.00000396 ± 0.000001542 | 0.0004 |
| 17E28787 | 20.0 % | 0.1862013 ± 0.0002481 | 0.00000205 ± 0.00000168 | 0.0001 |
| 17E28788 | 20.5 % | 0.1860772 ± 0.0003800 | 0.00000234 ± 0.00000744 | 0.0002 |
| 17E28789 | 21.0 % | 0.1859654 ± 0.0003757 | 0.00000788 ± 0.00000696 | 0.0006 |
| 17E28791 | 21.5 % | 0.1766411 ± 0.0003326 | 0.00016608 ± 0.00000691 | 0.0099 |
| 17E28793 | 22.0 % | 0.1858464 ± 0.0002618 | 0.00000305 ± 0.00000237 | 0.0001 |

| Results | 40(a)/36(a) ± 2σ | 40(r)/39(k) ± 2σ | Age ± 2σ (Ma) | MSWD |
|------------------|-----------------------|-------------------|----------------------------|-----------------|
| Inverse Isochron | 295.43 ± 7.79 | 5.34455 ± 0.00270 | 15.72 ± 0.03 | 1.86 |
| Error Chron | ± 2.64% | ± 0.05% | ± 0.20% | 3% |
| | | | Full External Error ± 0.36 | |
| | | | Analytical Error ± 0.01 | |
| Statistics | 2σ Confidence Limit | 1.78 | Convergence | 0.0000015801 |
| | Error Magnification | 1.3655 | Number of Iterations | 2 |
| | Number of Data Points | 15 | Calculated Line | Weighted York-2 |
| | Spreading Factor | 6.6% | | |

| 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 |
|--------------------|--------|--------------|-------|--------------|------|---------------|-------|---------------|--------|---------------|-------|--------------|-------|--------------|------|--------------|------|---------------|-------|---------------|--------|--------------|------|---------------|-------|--------------|------|--------------|-------|--------------|------|--------------|------|
| 17E28733 | 1.8 % | 0.0026480 | 15.96 | 0.0000000 | 0.00 | 0.0000697 | 22.43 | 0.0000000 | 0.00 | 0.25804 | 22.43 | 0.0004949 | 15.96 | 0.0000000 | 0.00 | 0.183420 | 0.13 | 0.0000464 | 24.41 | 0.0000000 | 0.00 | 15.1875 | 0.10 | 0.0001658 | 22.45 | 83.903 | 0.17 | 0.78247 | 15.96 | 0.0000000 | 0.00 | 0.0092188 | 9.65 |
| 17E28735 | 1.9 % | 0.0021168 | 19.83 | 0.0000000 | 0.00 | 0.0000377 | 42.97 | 0.0000000 | 0.00 | 0.13963 | 42.97 | 0.0003956 | 19.83 | 0.0000000 | 0.00 | 0.127172 | 0.16 | 0.0000251 | 44.03 | 0.0000000 | 0.00 | 10.5301 | 0.13 | 0.0000897 | 42.98 | 57.447 | 0.24 | 0.62551 | 19.83 | 0.0000000 | 0.00 | 0.0063917 | 9.65 |
| 17E28736 | 2.0 % | 0.0024387 | 16.78 | 0.0000000 | 0.00 | 0.0000341 | 44.40 | 0.0000008 | 168.39 | 0.12620 | 44.40 | 0.0004558 | 16.78 | 0.0000000 | 0.00 | 0.114515 | 0.16 | 0.0000227 | 45.43 | 0.0059101 | 168.39 | 9.4821 | 0.13 | 0.0000811 | 44.41 | 51.620 | 0.26 | 0.72064 | 16.78 | 0.0000000 | 0.00 | 0.0057556 | 9.65 |
| 17E28737 | 2.2 % | 0.0024133 | 17.24 | 0.0000000 | 0.00 | 0.0000538 | 28.24 | 0.0000011 | 119.51 | 0.19913 | 28.24 | 0.0004510 | 17.24 | 0.0000000 | 0.00 | 0.174386 | 0.14 | 0.0000358 | 29.84 | 0.0082442 | 119.52 | 14.4395 | 0.10 | 0.0001279 | 28.26 | 77.453 | 0.18 | 0.71312 | 17.24 | 0.0000000 | 0.00 | 0.0087648 | 9.65 |
| 17E28739 | 2.4 % | 0.0014252 | 30.10 | 0.0000000 | 0.00 | 0.0000718 | 21.58 | 0.0000013 | 106.90 | 0.26548 | 21.58 | 0.0002664 | 30.10 | 0.0000000 | 0.00 | 0.158626 | 0.14 | 0.0000478 | 23.63 | 0.0093319 | 106.91 | 13.1345 | 0.11 | 0.0001706 | 21.60 | 70.772 | 0.20 | 0.42114 | 30.10 | 0.0000000 | 0.00 | 0.0079727 | 9.65 |
| 17E28740 | 2.7 % | 0.0018435 | 23.38 | 0.0000000 | 0.00 | 0.0000927 | 15.96 | 0.0000020 | 72.92 | 0.34314 | 15.96 | 0.0003446 | 23.38 | 0.0000000 | 0.00 | 0.238632 | 0.13 | 0.0000618 | 18.64 | 0.0143165 | 72.93 | 19.7592 | 0.09 | 0.0002205 | 15.98 | 106.017 | 0.13 | 0.54477 | 23.38 | 0.0000000 | 0.00 | 0.0119938 | 9.65 |
| 17E28741 | 3.0 % | 0.0031706 | 12.98 | 0.0000000 | 0.00 | 0.0001552 | 9.40 | 0.0000025 | 55.43 | 0.57410 | 9.40 | 0.0005926 | 12.98 | 0.0000000 | 0.00 | 0.449847 | 0.12 | 0.0001033 | 13.46 | 0.0186288 | 55.43 | 37.2483 | 0.07 | 0.0003689 | 9.45 | 198.944 | 0.07 | 0.93691 | 12.98 | 0.0000000 | 0.00 | 0.0226097 | 9.65 |
| 17E28743 | 3.2 % | 0.0019148 | 21.95 | 0.0000000 | 0.00 | 0.0001889 | 8.35 | 0.0000003 | 391.63 | 0.69868 | 8.35 | 0.0003579 | 21.95 | 0.0000000 | 0.00 | 0.505665 | 0.11 | 0.0001258 | 12.74 | 0.0024620 | 391.63 | 41.8700 | 0.07 | 0.0004489 | 8.40 | 223.358 | 0.06 | 0.56581 | 21.95 | 0.0000000 | 0.00 | 0.0254151 | 9.65 |
| 17E28744 | 3.4 % | 0.0023811 | 17.82 | 0.0000000 | 0.00 | 0.0001283 | 11.82 | 0.0000014 | 99.46 | 0.47467 | 11.82 | 0.0004450 | 17.82 | 0.0000000 | 0.00 | 0.350460 | 0.12 | 0.0000854 | 15.25 | 0.0102786 | 99.46 | 29.0188 | 0.08 | 0.0003050 | 11.86 | 154.934 | 0.09 | 0.70362 | 17.82 | 0.0000000 | 0.00 | 0.0176144 | 9.65 |
| 17E28745 | 3.6 % | 0.0022433 | 18.95 | 0.0000000 | 0.00 | 0.0001378 | 11.61 | 0.0000019 | 68.76 | 0.50980 | 11.61 | 0.0004193 | 18.95 | 0.0000000 | 0.00 | 0.383516 | 0.12 | 0.0000918 | 15.08 | 0.0137568 | 68.76 | 31.7559 | 0.07 | 0.0003275 | 11.64 | 169.424 | 0.08 | 0.66291 | 18.95 | 0.0000000 | 0.00 | 0.0192758 | 9.65 |
| 17E28747 | 3.9 % | 0.0016446 | 24.94 | 0.0000000 | 0.00 | 0.0001690 | 9.18 | 0.0000006 | 238.88 | 0.62507 | 9.18 | 0.0003074 | 24.94 | 0.0000000 | 0.00 | 0.486683 | 0.11 | 0.0001125 | 13.30 | 0.0040208 | 238.88 | 40.2983 | 0.07 | 0.0004016 | 9.22 | 215.400 | 0.06 | 0.48597 | 24.94 | 0.0000000 | 0.00 | 0.0244611 | 9.65 |
| 17E28748 | 4.2 % | 0.0026940 | 15.12 | 0.0000000 | 0.00 | 0.0002708 | 6.03 | 0.0000013 | 103.16 | 1.00201 | 6.02 | 0.0005035 | 15.12 | 0.0000000 | 0.00 | 0.751311 | 0.11 | 0.0001804 | 11.36 | 0.0092807 | 103.16 | 62.2101 | 0.07 | 0.0006438 | 6.09 | 331.826 | 0.04 | 0.79608 | 15.12 | 0.0000000 | 0.00 | 0.0377615 | 9.65 |
| 17E28749 | 4.5 % | 0.0013325 | 32.71 | 0.0000000 | 0.00 | 0.0002554 | 6.04 | 0.0000000 | 0.00 | 0.94503 | 6.04 | 0.0002490 | 32.71 | 0.0000000 | 0.00 | 0.738146 | 0.11 | 0.0001701 | 11.36 | 0.0000000 | 0.00 | 61.1200 | 0.07 | 0.0006072 | 6.11 | 325.960 | 0.04 | 0.39375 | 32.71 | 0.0000000 | 0.00 | 0.0370998 | 9.65 |
| 17E28751 | 4.8 % | 0.0025087 | 17.22 | 0.0000000 | 0.00 | 0.0003788 | 4.23 | 0.0000000 | 0.00 | 1.40137 | 4.23 | 0.0004689 | 17.22 | 0.0000000 | 0.00 | 1.026731 | 0.11 | 0.0002522 | 10.52 | 0.0000000 | 0.00 | 85.0154 | 0.07 | 0.0009004 | 4.33 | 453.193 | 0.03 | 0.74132 | 17.22 | 0.0000000 | 0.00 | 0.0516043 | 9.65 |
| 17E28752 | 5.1 % | 0.0035552 | 12.01 | 0.0000000 | 0.00 | 0.0004421 | 3.59 | 0.0000012 | 119.12 | 1.63553 | 3.59 | 0.0006645 | 12.01 | 0.0000000 | 0.00 | 1.194677 | 0.11 | 0.0002944 | 10.28 | 0.0084213 | 119.12 | 98.9217 | 0.06 | 0.0010508 | 3.70 | 527.392 | 0.03 | 1.05058 | 12.01 | 0.0000000 | 0.00 | 0.0600454 | 9.65 |
| 17E28753 | 5.4 % | 0.0030194 | 14.37 | 0.0000000 | 0.00 | 0.0003908 | 4.08 | 0.0000006 | 259.48 | 1.44578 | 4.08 | 0.0005643 | 14.37 | 0.0000000 | 0.00 | 1.110772 | 0.11 | 0.0002602 | 10.46 | 0.0041795 | 259.48 | 91.9742 | 0.06 | 0.0009289 | 4.18 | 490.325 | 0.03 | 0.89222 | 14.37 | 0.0000000 | 0.00 | 0.0558283 | 9.65 |
| 17E28755 | 5.8 % | 0.0041540 | 10.26 | 0.0000000 | 0.00 | 0.0007003 | 2.16 | 0.0000000 | 0.00 | 2.59090 | 2.15 | 0.0007764 | 10.26 | 0.0000000 | 0.00 | 1.903696 | 0.11 | 0.0004664 | 9.87 | 0.0000000 | 0.00 | 157.6299 | 0.06 | 0.0016647 | 2.34 | 840.613 | 0.02 | 1.22750 | 10.26 | 0.0000000 | 0.00 | 0.0956813 | 9.65 |
| 17E28756 | 6.2 % | 0.0044009 | 9.93 | 0.0000000 | 0.00 | 0.0007022 | 2.39 | 0.0000006 | 248.20 | 2.59776 | 2.38 | 0.0008225 | 9.93 | 0.0000000 | 0.00 | 1.922725 | 0.11 | 0.0004676 | 9.92 | 0.0041412 | 248.20 | 159.2055 | 0.06 | 0.0016691 | 2.55 | 848.733 | 0.02 | 1.30047 | 9.93 | 0.0000000 | 0.00 | 0.0966378 | 9.65 |
| 17E28757 | 6.8 % | 0.0053823 | 9.22 | 0.0000000 | 0.00 | 0.0010420 | 1.53 | 0.0000000 | 0.00 | 3.85483 | 1.52 | 0.0010059 | 9.22 | 0.0000000 | 0.00 | 2.783454 | 0.11 | 0.0006939 | 9.75 | 0.0000000 | 0.00 | 230.4756 | 0.06 | 0.0024767 | 1.78 | 1229.728 | 0.01 | 1.59046 | 9.22 | 0.0000000 | 0.00 | 0.1398987 | 9.65 |
| 17E28759 | 7.4 % | ✓ 0.0054010 | 8.84 | 0.0000000 | 0.00 | 0.0013397 | 1.23 | 0.0000000 | 0.00 | 4.95622 | 1.21 | 0.0010094 | 8.84 | 0.0000000 | 0.00 | 3.585651 | 0.11 | 0.0008921 | 9.71 | 0.0000000 | 0.00 | 296.8991 | 0.06 | 0.0031844 | 1.52 | 1585.479 | 0.01 | 1.59599 | 8.84 | 0.0000000 | 0.00 | 0.1802178 | 9.65 |
| 17E28760 | 8.2 % | ✓ 0.0081089 | 6.32 | 0.0000000 | 0.00 | 0.0018703 | 0.90 | 0.0000000 | 0.00 | 6.91919 | 0.88 | 0.0015156 | 6.32 | 0.0000000 | 0.00 | 4.985075 | 0.11 | 0.0012455 | 9.67 | 0.0000000 | 0.00 | 412.7743 | 0.06 | 0.0044456 | 1.28 | 2203.788 | 0.01 | 2.39618 | 6.32 | 0.0000000 | 0.00 | 0.2505540 | 9.65 |
| 17E28761 | 9.1 % | ✓ 0.0223516 | 2.34 | 0.0000000 | 0.00 | 0.0028729 | 0.66 | 0.0000000 | 0.00 | 10.62857 | 0.64 | 0.0041775 | 2.34 | 0.0000000 | 0.00 | 7.667129 | 0.11 | 0.0019131 | 9.65 | 0.0000000 | 0.00 | 634.8537 | 0.06 | 0.0068289 | 1.12 | 3391.957 | 0.01 | 6.60490 | 2.34 | 0.0000000 | 0.00 | 0.3853562 | 9.65 |
| 17E28763 | 9.6 % | ✓ 0.0070099 | 6.41 | 0.0000000 | 0.00 | 0.0016374 | 0.99 | 0.0000000 | 0.00 | 6.05760 | 0.98 | 0.0013101 | 6.41 | 0.0000000 | 0.00 | 4.453873 | 0.11 | 0.0010904 | 9.68 | 0.0000000 | 0.00 | 368.7897 | 0.06 | 0.0038920 | 1.34 | 1969.653 | 0.01 | 2.07142 | 6.41 | 0.0000000 | 0.00 | 0.2238554 | 9.65 |
| 17E28764 | 10.0 % | ✓ 0.0066815 | 7.19 | 0.0000000 | 0.00 | 0.0019733 | 0.86 | 0.0000000 | 0.00 | 7.30026 | 0.85 | 0.0012488 | 7.19 | 0.0000000 | 0.00 | 5.308492 | 0.11 | 0.0013140 | 9.67 | 0.0000000 | 0.00 | 439.5539 | 0.06 | 0.0046904 | 1.25 | 2347.619 | 0.01 | 1.97438 | 7.19 | 0.0000000 | 0.00 | 0.2668092 | 9.65 |
| 17E28765 | 10.5 % | ✓ 0.0172181 | 2.85 | 0.0000000 | 0.00 | 0.0017261 | 0.96 | 0.0000000 | 0.00 | 6.38587 | 0.95 | 0.0032181 | 2.85 | 0.0000000 | 0.00 | 4.585568 | 0.11 | 0.0011495 | 9.68 | 0.0000000 | 0.00 | 379.6943 | 0.06 | 0.0041029 | 1.32 | 2028.499 | 0.01 | 5.08794 | 2.85 | 0.0000000 | 0.00 | 0.2304744 | 9.65 |
| 17E28767 | 11.0 % | ✓ 0.0229107 | 2.31 | 0.0000000 | 0.00 | 0.0022392 | 0.80 | 0.0000000 | 0.00 | 8.28399 | 0.79 | 0.0042820 | 2.31 | 0.0000000 | 0.00 | 6.013370 | 0.11 | 0.0014911 | 9.66 | 0.0000000 | 0.00 | 497.9192 | 0.06 | 0.0053225 | 1.21 | 2660.740 | 0.01 | 6.77012 | 2.31 | 0.0000000 | 0.00 | 0.3022370 | 9.65 |
| 17E28768 | 11.5 % | ✓ 0.0053200 | 8.76 | 0.0000000 | 0.00 | 0.0019492 | 0.85 | 0.0000000 | 0.00 | 7.21126 | 0.83 | 0.0009943 | 8.76 | 0.0000000 | 0.00 | 5.160313 | 0.11 | 0.0012980 | 9.67 | 0.0000000 | 0.00 | 427.2843 | 0.06 | 0.0046332 | 1.24 | 2282.147 | 0.01 | 1.57205 | 8.76 | 0.0000000 | 0.00 | 0.2593616 | 9.65 |
| 17E28769 | 12.0 % | ✓ 0.5434807 | 0.33 | 0.0000000 | 0.00 | 0.0018966 | 0.87 | 0.0000000 | 0.00 | 7.01648 | 0.86 | 0.01015765 | 0.33 | 0.0000000 | 0.00 | 5.065431 | 0.11 | 0.0012630 | 9.67 | 0.0000000 | 0.00 | 419.4279 | 0.06 | 0.0045081 | 1.26 | 2240.754 | 0.02 | 160.59853 | 0.33 | 0.0000000 | 0.00 | 0.2545927 | 9.65 |
| 17E28771 | 12.5 % | ✓ 0.1664858 | 0.53 | 0.0000000 | 0.00 | 0.0018322 | 0.92 | 0.0000000 | 0.00 | 6.77826 | 0.90 | 0.0311162 | 0.53 | 0.0000000 | 0.00 | 4.920610 | 0.11 | 0.0012201 | 9.67 | 0.0000000 | 0.00 | 407.4364 | 0.06 | 0.0043550 | 1.29 | 2178.404 | 0.01 | 49.19655 | 0.53 | 0.0000000 | 0.00 | 0.2473139 | 9.65 |
| 17E28772 | 13.0 % | ✓ 0.0097753 | 4.98 | 0.0000000 | 0.00 | 0.0015819 | 1.06 | 0.0000000 | 0.00 | 5.85236 | 1.05 | 0.0018270 | 4.98 | 0.0000000 | 0.00 | 4.298397 | 0.11 | 0.0010534 | 9.69 | 0.0000000 | 0.00 | 355.9160 | 0.06 | 0.0037601 | 1.39 | 1904.064 | 0.01 | 2.88859 | 4.98 | 0.0000000 | 0.00 | 0.2160410 | 9.65 |
| 17E28773 | 13.7 % | ✓ 0.0249918 | 2.02 | 0.0000000 | 0.00 | 0.0012334 | 1.33 | 0.0000000 | 0.00 | 4.56318 | 1.3 | | | | | | | | | | | | | | | | | | | | | | |

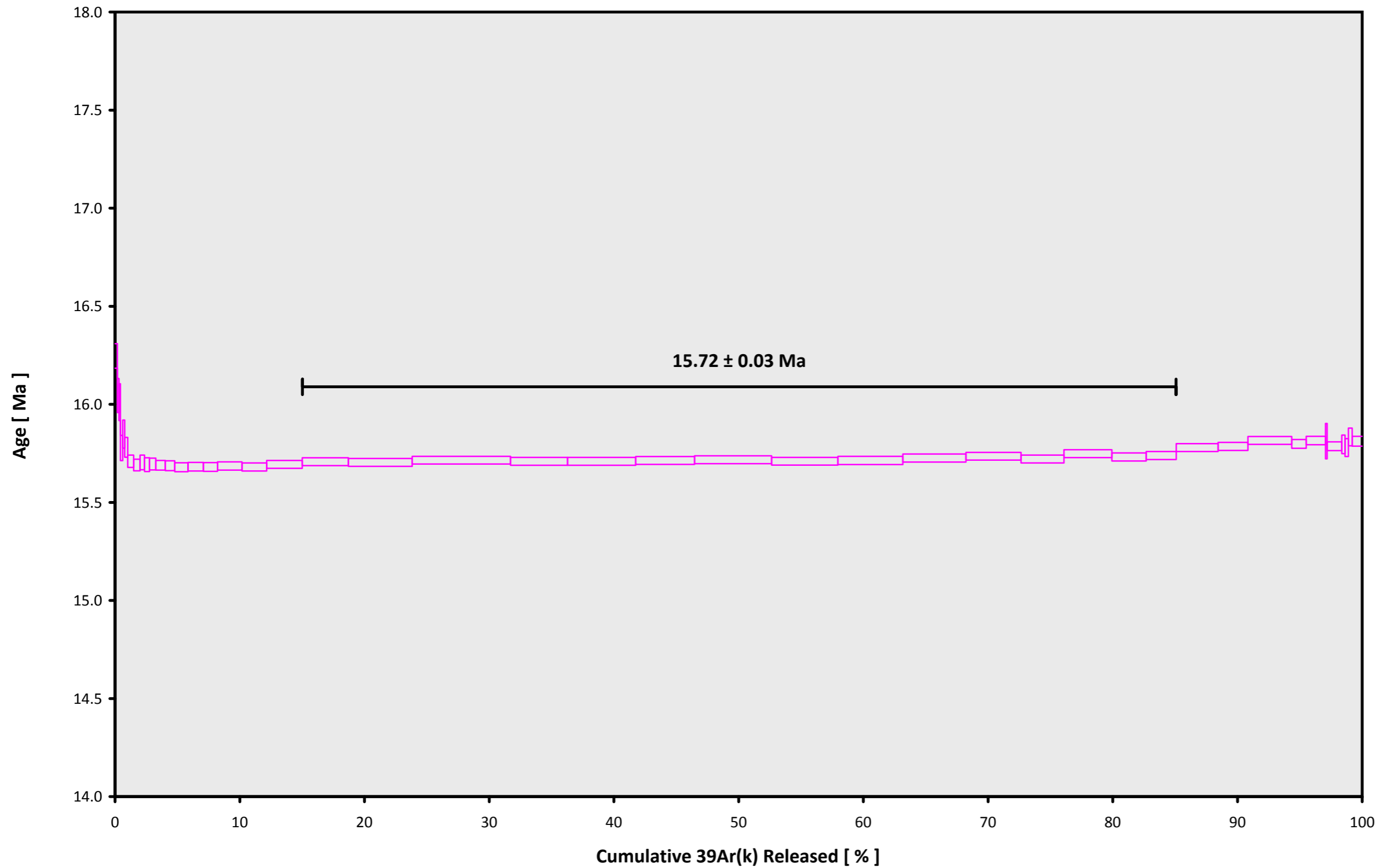
| Additional Parameters | | 40Ar/39Ar | 1σ | 37Ar/39Ar | 1σ | 36Ar/39Ar | 1σ | Time (days) | 37Ar (decay) | 39Ar (decay) | 40Ar (moles) |
|-----------------------|--------|------------|----------|-----------|----------|-----------|----------|-------------|--------------|--------------|--------------|
| 17E28733 | 1.8 % | 5.576548 | 0.006879 | 0.016990 | 0.003811 | 0.000179 | 0.000028 | 84.205 | 5.289281 | 1.00059521 | 2.998E-12 |
| 17E28735 | 1.9 % | 5.515442 | 0.009090 | 0.013260 | 0.005697 | 0.000205 | 0.000040 | 84.219 | 5.290733 | 1.00059531 | 2.056E-12 |
| 17E28736 | 2.0 % | 5.520494 | 0.009698 | 0.013310 | 0.005910 | 0.000261 | 0.000043 | 84.226 | 5.291458 | 1.00059536 | 1.853E-12 |
| 17E28737 | 2.2 % | 5.413915 | 0.006965 | 0.013791 | 0.003895 | 0.000171 | 0.000029 | 84.233 | 5.292184 | 1.00059540 | 2.767E-12 |
| 17E28739 | 2.4 % | 5.420858 | 0.007512 | 0.020212 | 0.004361 | 0.000114 | 0.000033 | 84.247 | 5.293636 | 1.00059550 | 2.521E-12 |
| 17E28740 | 2.7 % | 5.393552 | 0.005753 | 0.017366 | 0.002771 | 0.000098 | 0.000022 | 84.253 | 5.294290 | 1.00059555 | 3.773E-12 |
| 17E28741 | 3.0 % | 5.366732 | 0.004214 | 0.015413 | 0.001449 | 0.000089 | 0.000011 | 84.260 | 5.295016 | 1.00059560 | 7.077E-12 |
| 17E28743 | 3.2 % | 5.348623 | 0.004087 | 0.016687 | 0.001393 | 0.000050 | 0.000010 | 84.274 | 5.296469 | 1.00059569 | 7.928E-12 |
| 17E28744 | 3.4 % | 5.363883 | 0.004659 | 0.016357 | 0.001934 | 0.000087 | 0.000015 | 84.281 | 5.297195 | 1.00059574 | 5.510E-12 |
| 17E28745 | 3.6 % | 5.356617 | 0.004462 | 0.016054 | 0.001863 | 0.000075 | 0.000013 | 84.287 | 5.297922 | 1.00059579 | 6.022E-12 |
| 17E28747 | 3.9 % | 5.348823 | 0.004108 | 0.015511 | 0.001424 | 0.000045 | 0.000010 | 84.301 | 5.299376 | 1.00059589 | 7.630E-12 |
| 17E28748 | 4.2 % | 5.347311 | 0.003729 | 0.016107 | 0.000970 | 0.000048 | 0.000007 | 84.308 | 5.300103 | 1.00059594 | 1.178E-11 |
| 17E28749 | 4.5 % | 5.340106 | 0.003727 | 0.015462 | 0.000933 | 0.000026 | 0.000007 | 84.315 | 5.300830 | 1.00059599 | 1.155E-11 |
| 17E28751 | 4.8 % | 5.339990 | 0.003582 | 0.016484 | 0.000697 | 0.000034 | 0.000005 | 84.329 | 5.302284 | 1.00059609 | 1.607E-11 |
| 17E28752 | 5.1 % | 5.342582 | 0.003518 | 0.016533 | 0.000593 | 0.000040 | 0.000004 | 84.336 | 5.303011 | 1.00059614 | 1.871E-11 |
| 17E28753 | 5.4 % | 5.341371 | 0.003542 | 0.015719 | 0.000642 | 0.000037 | 0.000005 | 84.343 | 5.303739 | 1.00059618 | 1.739E-11 |
| 17E28755 | 5.8 % | 5.341163 | 0.003441 | 0.016436 | 0.000354 | 0.000031 | 0.000003 | 84.357 | 5.305194 | 1.00059628 | 2.980E-11 |
| 17E28756 | 6.2 % | 5.339770 | 0.003463 | 0.016317 | 0.000388 | 0.000032 | 0.000003 | 84.364 | 5.305922 | 1.00059633 | 3.009E-11 |
| 17E28757 | 6.8 % | 5.343060 | 0.003421 | 0.016725 | 0.000255 | 0.000028 | 0.000002 | 84.370 | 5.306577 | 1.00059638 | 4.359E-11 |
| 17E28759 | 7.4 % | ✓ 5.346052 | 0.003394 | 0.016693 | 0.000203 | 0.000023 | 0.000002 | 84.384 | 5.308033 | 1.00059647 | 5.619E-11 |
| 17E28760 | 8.2 % | ✓ 5.345321 | 0.003387 | 0.016762 | 0.000149 | 0.000024 | 0.000001 | 84.391 | 5.308761 | 1.00059652 | 7.811E-11 |
| 17E28761 | 9.1 % | ✓ 5.353848 | 0.003372 | 0.016742 | 0.000108 | 0.000040 | 0.000001 | 84.398 | 5.309489 | 1.00059657 | 1.203E-10 |
| 17E28763 | 9.6 % | ✓ 5.347025 | 0.003404 | 0.016425 | 0.000161 | 0.000023 | 0.000001 | 84.412 | 5.310946 | 1.00059667 | 6.981E-11 |
| 17E28764 | 10.0 % | ✓ 5.345955 | 0.003386 | 0.016608 | 0.000141 | 0.000020 | 0.000001 | 84.419 | 5.311675 | 1.00059672 | 8.319E-11 |
| 17E28765 | 10.5 % | ✓ 5.356403 | 0.003400 | 0.016818 | 0.000160 | 0.000050 | 0.000001 | 84.426 | 5.312403 | 1.00059677 | 7.200E-11 |
| 17E28767 | 11.0 % | ✓ 5.357864 | 0.003388 | 0.016637 | 0.000131 | 0.000051 | 0.000001 | 84.440 | 5.313861 | 1.00059687 | 9.444E-11 |
| 17E28768 | 11.5 % | ✓ 5.345278 | 0.003384 | 0.016877 | 0.000141 | 0.000017 | 0.000001 | 84.447 | 5.314590 | 1.00059691 | 8.085E-11 |
| 17E28769 | 12.0 % | ✓ 5.725849 | 0.003621 | 0.016729 | 0.000144 | 0.001300 | 0.000004 | 84.453 | 5.315319 | 1.00059696 | 8.502E-11 |
| 17E28771 | 12.5 % | ✓ 5.467905 | 0.003464 | 0.016636 | 0.000150 | 0.000413 | 0.000002 | 84.467 | 5.316777 | 1.00059706 | 7.887E-11 |
| 17E28772 | 13.0 % | ✓ 5.358424 | 0.003398 | 0.016443 | 0.000172 | 0.000032 | 0.000001 | 84.474 | 5.317506 | 1.00059711 | 6.751E-11 |
| 17E28773 | 13.7 % | ✓ 5.372220 | 0.003422 | 0.016498 | 0.000218 | 0.000095 | 0.000002 | 84.481 | 5.318236 | 1.00059716 | 5.260E-11 |
| 17E28775 | 14.4 % | ✓ 5.371618 | 0.003412 | 0.016416 | 0.000191 | 0.000061 | 0.000002 | 84.494 | 5.319622 | 1.00059725 | 5.895E-11 |
| 17E28776 | 15.0 % | ✓ 5.443209 | 0.003490 | 0.016827 | 0.000268 | 0.000323 | 0.000003 | 84.501 | 5.320352 | 1.00059730 | 4.260E-11 |
| 17E28777 | 15.7 % | ✓ 5.358210 | 0.003433 | 0.016770 | 0.000305 | 0.000027 | 0.000002 | 84.508 | 5.321082 | 1.00059735 | 3.684E-11 |
| 17E28779 | 16.2 % | 5.367716 | 0.003420 | 0.016276 | 0.000207 | 0.000012 | 0.000002 | 84.522 | 5.322542 | 1.00059745 | 5.127E-11 |
| 17E28780 | 17.0 % | 5.370136 | 0.003444 | 0.016552 | 0.000312 | 0.000013 | 0.000002 | 84.529 | 5.323272 | 1.00059750 | 3.685E-11 |
| 17E28781 | 17.7 % | 5.380042 | 0.003439 | 0.016644 | 0.000214 | 0.000012 | 0.000002 | 84.536 | 5.324002 | 1.00059755 | 5.383E-11 |
| 17E28783 | 18.5 % | 5.377016 | 0.003587 | 0.017573 | 0.000621 | 0.000022 | 0.000004 | 84.550 | 5.325463 | 1.00059765 | 1.775E-11 |
| 17E28784 | 19.0 % | 5.381278 | 0.003498 | 0.016057 | 0.000474 | 0.000017 | 0.000003 | 84.557 | 5.326193 | 1.00059769 | 2.381E-11 |
| 17E28785 | 19.5 % | 5.370221 | 0.009342 | 0.018223 | 0.005679 | 0.000016 | 0.000041 | 84.564 | 5.326924 | 1.00059774 | 1.893E-12 |
| 17E28787 | 20.0 % | 5.371085 | 0.003577 | 0.016042 | 0.000646 | 0.000015 | 0.000005 | 84.578 | 5.328385 | 1.00059784 | 1.803E-11 |
| 17E28788 | 20.5 % | 5.374666 | 0.005488 | 0.016178 | 0.002838 | 0.000017 | 0.000020 | 84.585 | 5.329116 | 1.00059789 | 3.959E-12 |
| 17E28789 | 21.0 % | 5.377897 | 0.005432 | 0.015654 | 0.002551 | 0.000047 | 0.000019 | 84.592 | 5.329847 | 1.00059794 | 4.151E-12 |
| 17E28791 | 21.5 % | 5.661751 | 0.005330 | 0.014806 | 0.002446 | 0.000944 | 0.000020 | 84.605 | 5.331237 | 1.00059803 | 4.926E-12 |
| 17E28793 | 22.0 % | 5.381338 | 0.003790 | 0.015910 | 0.000895 | 0.000021 | 0.000006 | 84.619 | 5.332699 | 1.00059813 | 1.228E-11 |

| Procedure | | 36Ar ± 1σ (SE) | 37Ar ± 1σ (SE) | 38Ar ± 1σ (SE) | 39Ar ± 1σ (SE) | 40Ar ± 1σ (SE) |
|-----------|--------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Blanks | | [fA] | [fA] | [fA] | [fA] | [fA] |
| 17E28733 | 1.8 % | 0.0211347 ± 0.0002918 | 0.1045596 ± 0.0075641 | 0.0268479 ± 0.0067555 | 0.0330884 ± 0.0076686 | 4.0474540 ± 0.0574114 |
| 17E28735 | 1.9 % | 0.0210218 ± 0.0002918 | 0.1052372 ± 0.0075641 | 0.0321352 ± 0.0067555 | 0.0351358 ± 0.0076686 | 4.0800156 ± 0.0574114 |
| 17E28736 | 2.0 % | 0.0209804 ± 0.0002918 | 0.1053645 ± 0.0075641 | 0.0339924 ± 0.0067555 | 0.0357548 ± 0.0076686 | 4.0897598 ± 0.0574114 |
| 17E28737 | 2.2 % | 0.0209478 ± 0.0002918 | 0.1053695 ± 0.0075641 | 0.0353823 ± 0.0067555 | 0.0361328 ± 0.0076686 | 4.0957104 ± 0.0574114 |
| 17E28739 | 2.4 % | 0.0209056 ± 0.0002918 | 0.1050654 ± 0.0075641 | 0.0369231 ± 0.0067555 | 0.0362492 ± 0.0076686 | 4.0978248 ± 0.0574114 |
| 17E28740 | 2.7 % | 0.0208951 ± 0.0002918 | 0.1048133 ± 0.0075641 | 0.0371434 ± 0.0067555 | 0.0360569 ± 0.0076686 | 4.0951615 ± 0.0574114 |
| 17E28741 | 3.0 % | 0.0208886 ± 0.0002918 | 0.1044640 ± 0.0075641 | 0.0370899 ± 0.0067555 | 0.0356887 ± 0.0076686 | 4.0900139 ± 0.0574114 |
| 17E28743 | 3.2 % | 0.0208892 ± 0.0002918 | 0.1035904 ± 0.0075641 | 0.0361772 ± 0.0067555 | 0.0345347 ± 0.0076686 | 4.0741135 ± 0.0574114 |
| 17E28744 | 3.4 % | 0.0208948 ± 0.0002918 | 0.1030872 ± 0.0075641 | 0.0353847 ± 0.0067555 | 0.0337833 ± 0.0076686 | 4.0639903 ± 0.0574114 |
| 17E28745 | 3.6 % | 0.0209031 ± 0.0002918 | 0.1025529 ± 0.0075641 | 0.0344102 ± 0.0067555 | 0.0329374 ± 0.0076686 | 4.0528110 ± 0.0574114 |
| 17E28747 | 3.9 % | 0.0209251 ± 0.0002918 | 0.1014273 ± 0.0075641 | 0.0320327 ± 0.0067555 | 0.0310234 ± 0.0076686 | 4.0283645 ± 0.0574114 |
| 17E28748 | 4.2 % | 0.0209378 ± 0.0002918 | 0.1008528 ± 0.0075641 | 0.0306848 ± 0.0067555 | 0.0299843 ± 0.0076686 | 4.0155967 ± 0.0574114 |
| 17E28749 | 4.5 % | 0.0209507 ± 0.0002918 | 0.1002809 ± 0.0075641 | 0.0292654 ± 0.0067555 | 0.0289087 ± 0.0076686 | 4.0027716 ± 0.0574114 |
| 17E28751 | 4.8 % | 0.0209758 ± 0.0002918 | 0.0991729 ± 0.0075641 | 0.0263065 ± 0.0067555 | 0.0266981 ± 0.0076686 | 3.9777697 ± 0.0574114 |
| 17E28752 | 5.1 % | 0.0209870 ± 0.0002918 | 0.0986493 ± 0.0075641 | 0.0248109 ± 0.0067555 | 0.0255867 ± 0.0076686 | 3.9659620 ± 0.0574114 |
| 17E28753 | 5.4 % | 0.0209968 ± 0.0002918 | 0.0981537 ± 0.0075641 | 0.0233314 ± 0.0067555 | 0.0244857 ± 0.0076686 | 3.9548356 ± 0.0574114 |
| 17E28755 | 5.8 % | 0.0210108 ± 0.0002918 | 0.0972658 ± 0.0075641 | 0.0204923 ± 0.0067555 | 0.0223547 ± 0.0076686 | 3.9351858 ± 0.0574114 |
| 17E28756 | 6.2 % | 0.0210145 ± 0.0002918 | 0.0968819 ± 0.0075641 | 0.0191651 ± 0.0067555 | 0.0213427 ± 0.0076686 | 3.9269016 ± 0.0574114 |
| 17E28757 | 6.8 % | 0.0210155 ± 0.0002918 | 0.0965746 ± 0.0075641 | 0.0180395 ± 0.0067555 | 0.0204715 ± 0.0076686 | 3.9204346 ± 0.0574114 |
| 17E28759 | 7.4 % | 0.0210094 ± 0.0002918 | 0.0960323 ± 0.0075641 | 0.0158177 ± 0.0067555 | 0.0186971 ± 0.0076686 | 3.9097024 ± 0.0574114 |
| 17E28760 | 8.2 % | 0.0210018 ± 0.0002918 | 0.0958379 ± 0.0075641 | 0.0148722 ± 0.0067555 | 0.0179058 ± 0.0076686 | 3.9063270 ± 0.0574114 |
| 17E28761 | 9.1 % | 0.0209908 ± 0.0002918 | 0.0956968 ± 0.0075641 | 0.0140488 ± 0.0067555 | 0.0171858 ± 0.0076686 | 3.9043263 ± 0.0574114 |
| 17E28763 | 9.6 % | 0.0209589 ± 0.0002918 | 0.0955775 ± 0.0075641 | 0.0127949 ± 0.0067555 | 0.0159779 ± 0.0076686 | 3.9044945 ± 0.0574114 |
| 17E28764 | 10.0 % | 0.0209378 ± 0.0002918 | 0.0955995 ± 0.0075641 | 0.0123743 ± 0.0067555 | 0.0154972 ± 0.0076686 | 3.9066452 ± 0.0574114 |
| 17E28765 | 10.5 % | 0.0209133 ± 0.0002918 | 0.0956750 ± 0.0075641 | 0.0120955 ± 0.0067555 | 0.0151025 ± 0.0076686 | 3.9101344 ± 0.0574114 |
| 17E28767 | 11.0 % | 0.0208544 ± 0.0002918 | 0.0959817 ± 0.0075641 | 0.0119672 ± 0.0067555 | 0.0145779 ± 0.0076686 | 3.9209135 ± 0.0574114 |
| 17E28768 | 11.5 % | 0.0208202 ± 0.0002918 | 0.0962089 ± 0.0075641 | 0.0121162 ± 0.0067555 | 0.0144500 ± 0.0076686 | 3.9280551 ± 0.0574114 |
| 17E28769 | 12.0 % | 0.0207830 ± 0.0002918 | 0.0964816 ± 0.0075641 | 0.0124038 ± 0.0067555 | 0.0144117 ± 0.0076686 | 3.9362387 ± 0.0574114 |
| 17E28771 | 12.5 % | 0.0207005 ± 0.0002918 | 0.0971502 ± 0.0075641 | 0.0133763 ± 0.0067555 | 0.0146003 ± 0.0076686 | 3.9552564 ± 0.0574114 |
| 17E28772 | 13.0 % | 0.0206557 ± 0.0002918 | 0.0975379 ± 0.0075641 | 0.0140483 ± 0.0067555 | 0.0148236 ± 0.0076686 | 3.9658121 ± 0.0574114 |
| 17E28773 | 13.7 % | 0.0206089 ± 0.0002918 | 0.0979548 ± 0.0075641 | 0.0148329 ± 0.0067555 | 0.0151294 ± 0.0076686 | 3.9768529 ± 0.0574114 |
| 17E28775 | 14.4 % | 0.0205155 ± 0.0002918 | 0.0988076 ± 0.0075641 | 0.0165972 ± 0.0067555 | 0.0159245 ± 0.0076686 | 3.9985095 ± 0.0574114 |
| 17E28776 | 15.0 % | 0.0204649 ± 0.0002918 | 0.0992767 ± 0.0075641 | 0.0176469 ± 0.0067555 | 0.0164472 ± 0.0076686 | 4.0098814 ± 0.0574114 |
| 17E28777 | 15.7 % | 0.0204136 ± 0.0002918 | 0.0997511 ± 0.0075641 | 0.0187621 ± 0.0067555 | 0.0170349 ± 0.0076686 | 4.0209448 ± 0.0574114 |
| 17E28779 | 16.2 % | 0.0203114 ± 0.0002918 | 0.1006849 ± 0.0075641 | 0.0211250 ± 0.0067555 | 0.0183801 ± 0.0076686 | 4.0411559 ± 0.0574114 |
| 17E28780 | 17.0 % | 0.0202615 ± 0.0002918 | 0.1011279 ± 0.0075641 | 0.0223372 ± 0.0067555 | 0.0191231 ± 0.0076686 | 4.0497682 ± 0.0574114 |
| 17E28781 | 17.7 % | 0.0202130 ± 0.0002918 | 0.1015431 ± 0.0075641 | 0.0235440 ± 0.0067555 | 0.0199025 ± 0.0076686 | 4.0570007 ± 0.0574114 |
| 17E28783 | 18.5 % | 0.0201231 ± 0.0002918 | 0.1022514 ± 0.0075641 | 0.0258542 ± 0.0067555 | 0.0215339 ± 0.0076686 | 4.0660762 ± 0.0574114 |
| 17E28784 | 19.0 % | 0.0200829 ± 0.0002918 | 0.1025238 ± 0.0075641 | 0.0269108 ± 0.0067555 | 0.0223661 ± 0.0076686 | 4.0672535 ± 0.0574114 |
| 17E28785 | 19.5 % | 0.0200468 ± 0.0002918 | 0.1027271 ± 0.0075641 | 0.0278680 ± 0.0067555 | 0.0231951 ± 0.0076686 | 4.0657195 ± 0.0574114 |
| 17E28787 | 20.0 % | 0.0199898 ± 0.0002918 | 0.1028790 ± 0.0075641 | 0.0293748 ± 0.0067555 | 0.0247960 ± 0.0076686 | 4.0530071 ± 0.0574114 |
| 17E28788 | 20.5 % | 0.0199705 ± 0.0002918 | 0.1028028 ± 0.0075641 | 0.0298661 ± 0.0067555 | 0.0255428 ± 0.0076686 | 4.0410328 ± 0.0574114 |
| 17E28789 | 21.0 % | 0.0199585 ± 0.0002918 | 0.1026077 ± 0.0075641 | 0.0301414 ± 0.0067555 | 0.0262357 ± 0.0076686 | 4.0247552 ± 0.0574114 |
| 17E28791 | 21.5 % | 0.0199587 ± 0.0002918 | 0.1018599 ± 0.0075641 | 0.0299510 ± 0.0067555 | 0.0273524 ± 0.0076686 | 3.9803882 ± 0.0574114 |
| 17E28793 | 22.0 % | 0.0199976 ± 0.0002918 | 0.1004455 ± 0.0075641 | 0.0285167 ± 0.0067555 | 0.0281460 ± 0.0076686 | 3.9116905 ± 0.0574114 |

| 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) |
|------------------|--------|-----------------------|--------|---------------------|-----------------------|--------|---------------------|-----------------------|--------|---------------------|-----------------------|--------|---------------------|----------------------|--------|---------------------|
| 17E28733 | 1.8 % | 0.0236932 ± 0.0002701 | 0.7277 | EXP 150 of 150 | 0.0569732 ± 0.0075280 | 0.0038 | EXP 150 of 150 | 0.1481492 ± 0.0065480 | 0.0558 | EXP 150 of 150 | 15.021329 ± 0.009013 | 0.9948 | EXP 150 of 150 | 88.74242 ± 0.02023 | 0.9869 | EXP 150 of 150 |
| 17E28735 | 1.9 % | 0.0230501 ± 0.0002660 | 0.6660 | EXP 150 of 150 | 0.0794946 ± 0.0080700 | 0.0194 | EXP 150 of 150 | 0.0857331 ± 0.0069064 | 0.0063 | EXP 150 of 150 | 10.402598 ± 0.008692 | 0.9898 | EXP 150 of 150 | 62.15843 ± 0.02002 | 0.6554 | EXP 150 of 150 |
| 17E28736 | 2.0 % | 0.0233091 ± 0.0002509 | 0.6998 | EXP 150 of 150 | 0.0821001 ± 0.0070346 | 0.0185 | EXP 150 of 150 | 0.0849285 ± 0.0070791 | 0.0258 | EXP 150 of 150 | 9.363200 ± 0.007964 | 0.9896 | EXP 150 of 150 | 56.43603 ± 0.01758 | 0.0680 | EXP 150 of 150 |
| 17E28737 | 2.2 % | 0.0232715 ± 0.0002607 | 0.6534 | EXP 150 of 150 | 0.0686664 ± 0.0070855 | 0.0238 | EXP 150 of 150 | 0.1447317 ± 0.0069400 | 0.0482 | EXP 150 of 150 | 14.276804 ± 0.008725 | 0.9947 | EXP 150 of 150 | 82.27081 ± 0.02070 | 0.9839 | EXP 150 of 150 |
| 17E28739 | 2.4 % | 0.0223160 ± 0.0002788 | 0.6746 | EXP 150 of 150 | 0.0561470 ± 0.0073610 | 0.0006 | EXP 150 of 150 | 0.1285889 ± 0.0071092 | 0.0391 | EXP 150 of 150 | 12.983174 ± 0.008825 | 0.9933 | EXP 150 of 150 | 75.29916 ± 0.01975 | 0.9788 | EXP 150 of 150 |
| 17E28740 | 2.7 % | 0.0227198 ± 0.0002815 | 0.6899 | EXP 150 of 150 | 0.0415932 ± 0.0066694 | 0.0012 | EXP 150 of 150 | 0.2120558 ± 0.0077191 | 0.0855 | EXP 150 of 150 | 19.549927 ± 0.010122 | 0.9962 | EXP 150 of 150 | 110.66850 ± 0.02134 | 0.9964 | EXP 150 of 150 |
| 17E28741 | 3.0 % | 0.0240220 ± 0.0002544 | 0.7426 | EXP 150 of 150 | 0.0012954 ± 0.0064436 | 0.0010 | EXP 150 of 150 | 0.4243875 ± 0.0075410 | 0.2779 | EXP 149 of 150 | 36.886048 ± 0.010983 | 0.9988 | EXP 150 of 150 | 203.99350 ± 0.02473 | 0.9993 | EXP 150 of 150 |
| 17E28743 | 3.2 % | 0.0228699 ± 0.0002669 | 0.7167 | EXP 150 of 150 | 0.0250831 ± 0.0076125 | 0.0064 | EXP 150 of 150 | 0.4640914 ± 0.0066012 | 0.2744 | EXP 150 of 150 | 41.468489 ± 0.012045 | 0.9988 | EXP 150 of 150 | 228.02362 ± 0.02538 | 0.9995 | EXP 150 of 150 |
| 17E28744 | 3.4 % | 0.0232586 ± 0.0002723 | 0.7132 | EXP 149 of 150 | 0.0156807 ± 0.0070352 | 0.0047 | EXP 149 of 150 | 0.3199588 ± 0.0074219 | 0.1872 | EXP 150 of 150 | 28.730596 ± 0.024833 | 0.9980 | EXP 150 of 150 | 159.71886 ± 0.02122 | 0.9990 | EXP 150 of 150 |
| 17E28745 | 3.6 % | 0.0231466 ± 0.0002733 | 0.7198 | EXP 150 of 150 | 0.0086906 ± 0.0078356 | 0.0036 | EXP 150 of 150 | 0.3568495 ± 0.0063604 | 0.2685 | EXP 149 of 150 | 31.444562 ± 0.010705 | 0.9984 | EXP 150 of 150 | 174.15865 ± 0.02267 | 0.9991 | EXP 150 of 150 |
| 17E28747 | 3.9 % | 0.0226330 ± 0.0002525 | 0.7795 | EXP 150 of 150 | 0.0136261 ± 0.0073592 | 0.0021 | EXP 150 of 150 | 0.4510362 ± 0.0065525 | 0.2952 | EXP 149 of 150 | 39.914028 ± 0.011488 | 0.9989 | EXP 150 of 150 | 219.57918 ± 0.02404 | 0.9995 | EXP 150 of 150 |
| 17E28748 | 4.2 % | 0.0237301 ± 0.0002481 | 0.7814 | EXP 150 of 150 | 0.0835568 ± 0.0081177 | 0.0117 | EXP 150 of 150 | 0.7181054 ± 0.0064378 | 0.5090 | EXP 150 of 150 | 61.634737 ± 0.013208 | 0.9994 | EXP 150 of 150 | 336.67570 ± 0.03012 | 0.9997 | EXP 150 of 150 |
| 17E28749 | 4.5 % | 0.0224456 ± 0.0002881 | 0.7856 | EXP 150 of 150 | 0.0736182 ± 0.0072565 | 0.0006 | EXP 150 of 150 | 0.6963786 ± 0.0069179 | 0.4694 | EXP 150 of 150 | 60.555265 ± 0.012991 | 0.9994 | EXP 150 of 150 | 330.39334 ± 0.02767 | 0.9997 | EXP 150 of 150 |
| 17E28751 | 4.8 % | 0.0236941 ± 0.0002829 | 0.7967 | EXP 150 of 150 | 0.1586295 ± 0.0078150 | 0.0406 | EXP 150 of 150 | 0.9597314 ± 0.0070528 | 0.5425 | EXP 150 of 150 | 84.243404 ± 0.015232 | 0.9996 | EXP 150 of 150 | 457.96386 ± 0.03509 | 0.9998 | EXP 150 of 150 |
| 17E28752 | 5.1 % | 0.0247513 ± 0.0002757 | 0.8317 | EXP 150 of 150 | 0.2021884 ± 0.0076469 | 0.0605 | EXP 150 of 150 | 1.1594986 ± 0.0069132 | 0.6793 | EXP 150 of 150 | 98.028882 ± 0.015231 | 0.9997 | EXP 150 of 150 | 532.46861 ± 0.03519 | 0.9999 | EXP 150 of 150 |
| 17E28753 | 5.4 % | 0.0242077 ± 0.0002854 | 0.8286 | EXP 150 of 150 | 0.1677449 ± 0.0077365 | 0.0146 | EXP 150 of 150 | 1.0741450 ± 0.0080477 | 0.5731 | EXP 150 of 150 | 91.143335 ± 0.014862 | 0.9996 | EXP 150 of 150 | 495.22790 ± 0.03586 | 0.9998 | EXP 150 of 150 |
| 17E28755 | 5.8 % | 0.0255808 ± 0.0002745 | 0.8902 | EXP 150 of 150 | 0.3791048 ± 0.0067853 | 0.1413 | EXP 150 of 150 | 1.8334741 ± 0.0061752 | 0.8747 | EXP 150 of 150 | 156.225626 ± 0.021319 | 0.9997 | EXP 150 of 150 | 845.87089 ± 0.04077 | 0.9999 | EXP 150 of 150 |
| 17E28756 | 6.2 % | 0.0258192 ± 0.0002891 | 0.8853 | EXP 150 of 150 | 0.3806862 ± 0.0083546 | 0.0817 | EXP 150 of 150 | 1.8773681 ± 0.0068194 | 0.8475 | EXP 150 of 150 | 157.788476 ± 0.024336 | 0.9997 | EXP 150 of 150 | 854.05661 ± 0.04568 | 0.9999 | EXP 150 of 150 |
| 17E28757 | 6.8 % | 0.0270634 ± 0.0003641 | 0.8954 | EXP 150 of 150 | 0.6120027 ± 0.0073873 | 0.3048 | EXP 150 of 150 | 2.7007248 ± 0.0072396 | 0.9117 | EXP 150 of 150 | 228.434713 ± 0.030437 | 0.9998 | EXP 150 of 150 | 1235.37888 ± 0.05199 | 1.0000 | EXP 150 of 150 |
| 17E28759 | 7.4 % | 0.0273552 ± 0.0003415 | 0.9280 | EXP 150 of 150 | 0.8147479 ± 0.0075814 | 0.3977 | EXP 150 of 150 | 3.4836020 ± 0.0073951 | 0.9372 | EXP 150 of 150 | 294.277631 ± 0.032761 | 0.9998 | EXP 150 of 150 | 1591.16482 ± 0.06209 | 1.0000 | EXP 150 of 150 |
| 17E28760 | 8.2 % | 0.0303964 ± 0.0003836 | 0.9410 | EXP 150 of 150 | 1.1754933 ± 0.0073709 | 0.5679 | EXP 150 of 150 | 4.8431010 ± 0.0082596 | 0.9589 | EXP 150 of 150 | 409.137743 ± 0.045532 | 0.9998 | EXP 150 of 150 | 2210.34122 ± 0.07463 | 1.0000 | EXP 150 of 150 |
| 17E28761 | 9.1 % | 0.0447378 ± 0.0003912 | 0.9678 | EXP 150 of 150 | 1.8569261 ± 0.0079716 | 0.7426 | EXP 150 of 150 | 7.4662638 ± 0.0080615 | 0.9833 | EXP 150 of 150 | 629.271015 ± 0.057944 | 0.9999 | EXP 150 of 150 | 3402.85122 ± 0.08944 | 1.0000 | EXP 150 of 150 |
| 17E28763 | 9.6 % | 0.0290996 ± 0.0003054 | 0.9569 | EXP 150 of 150 | 1.0169861 ± 0.0070329 | 0.4860 | EXP 150 of 150 | 4.3204287 ± 0.0080831 | 0.9520 | EXP 150 of 150 | 365.540568 ± 0.045847 | 0.9998 | EXP 150 of 150 | 1975.85305 ± 0.06623 | 1.0000 | EXP 150 of 150 |
| 17E28764 | 10.0 % | 0.0290856 ± 0.0003441 | 0.9622 | EXP 150 of 150 | 1.2450135 ± 0.0074076 | 0.6056 | EXP 150 of 150 | 5.1586579 ± 0.0069144 | 0.9751 | EXP 150 of 150 | 435.684837 ± 0.047542 | 0.9998 | EXP 150 of 150 | 2353.76704 ± 0.08354 | 1.0000 | EXP 150 of 150 |
| 17E28765 | 10.5 % | 0.0387478 ± 0.0003545 | 0.9447 | EXP 150 of 150 | 1.0768588 ± 0.0073045 | 0.5404 | EXP 150 of 150 | 4.4716063 ± 0.0074362 | 0.9631 | EXP 150 of 150 | 376.350454 ± 0.043581 | 0.9998 | EXP 150 of 150 | 2037.72755 ± 0.07473 | 1.0000 | EXP 150 of 150 |
| 17E28767 | 11.0 % | 0.0445311 ± 0.0003997 | 0.9474 | EXP 150 of 150 | 1.4246570 ± 0.0079954 | 0.5951 | EXP 150 of 150 | 5.8490975 ± 0.0077622 | 0.9750 | EXP 150 of 150 | 493.539378 ± 0.052278 | 0.9998 | EXP 150 of 150 | 2671.73290 ± 0.07901 | 1.0000 | EXP 150 of 150 |
| 17E28768 | 11.5 % | 0.0276636 ± 0.0003268 | 0.9661 | EXP 150 of 150 | 1.2273337 ± 0.0068854 | 0.6468 | EXP 150 of 150 | 5.0095763 ± 0.0073396 | 0.9703 | EXP 150 of 150 | 423.523913 ± 0.046025 | 0.9998 | EXP 150 of 150 | 2287.90613 ± 0.06966 | 1.0000 | EXP 150 of 150 |
| 17E28769 | 12.0 % | 0.5342145 ± 0.0010620 | 0.8809 | EXP 150 of 150 | 1.1911350 ± 0.0069946 | 0.5906 | EXP 150 of 150 | 5.0251831 ± 0.0072854 | 0.9700 | EXP 150 of 150 | 415.736352 ± 0.044088 | 0.9998 | EXP 150 of 150 | 2405.54292 ± 0.06848 | 1.0000 | EXP 150 of 150 |
| 17E28771 | 12.5 % | 0.1791592 ± 0.0006604 | 0.1370 | EXP 150 of 150 | 1.1464089 ± 0.0073403 | 0.5782 | EXP 150 of 150 | 4.8009188 ± 0.0076308 | 0.9653 | EXP 150 of 150 | 403.849763 ± 0.044264 | 0.9998 | EXP 150 of 150 | 2231.80298 ± 0.07865 | 1.0000 | EXP 150 of 150 |
| 17E28772 | 13.0 % | 0.0313476 ± 0.0003522 | 0.9507 | EXP 150 of 150 | 0.9760048 ± 0.0076211 | 0.4188 | EXP 150 of 150 | 4.1683639 ± 0.0072652 | 0.9594 | EXP 150 of 150 | 352.780699 ± 0.039200 | 0.9998 | EXP 150 of 150 | 1911.13468 ± 0.07260 | 1.0000 | EXP 150 of 150 |
| 17E28773 | 13.7 % | 0.0452980 ± 0.0003694 | 0.9071 | EXP 150 of 150 | 0.7389896 ± 0.0076651 | 0.3470 | EXP 150 of 150 | 3.2418336 ± 0.0077800 | 0.9222 | EXP 150 of 150 | 274.145968 ± 0.033450 | 0.9998 | EXP 150 of 150 | 1489.87371 ± 0.05755 | 1.0000 | EXP 150 of 150 |
| 17E28775 | 14.4 % | 0.0383104 ± 0.0003655 | 0.9201 | EXP 150 of 150 | 0.8343847 ± 0.0072187 | 0.4113 | EXP 150 of 150 | 3.6185857 ± 0.0069099 | 0.9504 | EXP 150 of 150 | 307.273344 ± 0.034984 | 0.9998 | EXP 150 of 150 | 1669.25669 ± 0.06774 | 1.0000 | EXP 150 of 150 |
| 17E28776 | 15.0 % | 0.0876977 ± 0.0005317 | 0.4732 | EXP 150 of 150 | 0.5826812 ± 0.0074937 | 0.3078 | EXP 149 of 150 | 2.5953297 ± 0.0074566 | 0.8946 | EXP 150 of 150 | 219.098545 ± 0.030034 | 0.9997 | EXP 150 of 150 | 1207.26077 ± 0.05190 | 0.9999 | EXP 150 of 150 |
| 17E28777 | 15.7 % | 0.0254093 ± 0.0003012 | 0.9169 | EXP 150 of 150 | 0.4972906 ± 0.0075845 | 0.2222 | EXP 150 of 150 | 2.2765841 ± 0.0071266 | 0.8765 | EXP 150 of 150 | 192.492225 ± 0.024316 | 0.9998 | EXP 150 of 150 | 1044.66081 ± 0.05517 | 0.9999 | EXP 150 of 150 |
| 17E28779 | 16.2 % | 0.0233834 ± 0.0003335 | 0.9319 | EXP 150 of 150 | 0.7040957 ± 0.0064245 | 0.3920 | EXP 150 of 150 | 3.1300732 ± 0.0074962 | 0.9261 | EXP 149 of 150 | 267.424189 ± 0.032398 | 0.9998 | EXP 150 of 150 | 1452.31016 ± 0.06165 | 0.9999 | EXP 150 of 150 |
| 17E28780 | 17.0 % | 0.0226814 ± 0.0003063 | 0.9205 | EXP 149 of 150 | 0.4867184 ± 0.0078669 | 0.2433 | EXP 150 of 150 | 2.2520087 ± 0.0068076 | 0.8838 | EXP 150 of 150 | 192.101237 ± 0.025064 | 0.9998 | EXP 150 of 150 | 1044.89900 ± 0.05306 | 0.9999 | EXP 150 of 150 |
| 17E28781 | 17.7 % | 0.0233979 ± 0.0002912 | 0.9523 | EXP 150 of 150 | 0.7602903 ± 0.0076393 | 0.4151 | EXP 150 of 150 | 3.2808199 ± 0.0076139 | 0.9269 | EXP 150 of 150 | 280.120174 ± 0.037296 | 0.9998 | EXP 150 of 150 | 1524.56982 ± 0.06073 | 1.0000 | EXP 150 of 150 |
| 17E28783 | 18.5 % | 0.0220658 ± 0.0002638 | 0.8847 | EXP 150 of 150 | 0.1978684 ± 0.0073856 | 0.0934 | EXP 148 of 150 | 1.0706787 ± 0.0069294 | 0.6005 | EXP 150 of 150 | 92.401262 ± 0.017076 | 0.9995 | EXP 150 of 150 | 505.42610 ± 0.03147 | 0.9998 | EXP 150 of 150 |
| 17E28784 | 19.0 % | 0.0220576 ± 0.0002682 | 0.9005 | EXP 150 of 150 | 0.2650001 ± 0.0076862 | 0.0558 | EXP 150 of 150 | 1.4303442 ± 0.0063419 | 0.7832 | EXP 149 of 150 | 123.860217 ± 0.017907 | 0.9997 | EXP 150 of 150 | 676.61776 ± 0.04005 | 0.9999 | EXP 150 of 150 |
| 17E28785 | 19.5 % | 0.0198938 ± 0.0002556 | 0.7926 | EXP 149 of 150 | 0.0694958 ± 0.0070720 | 0.0013 | EXP 150 of 150 | 0.0851220 ± 0.0069838 | 0.0093 | EXP 150 of 150 | 9.848070 ± 0.008628 | 0.9859 | EXP 150 of 150 | 57.54607 ± 0.01847 | 0.9944 | EXP 150 of 150 |
| 17E28787 | 20.0 % | 0.0213616 ± 0.0002760 | 0.8735 | EXP 150 of 150 | 0.1755456 ± 0.0082410 | 0.0448 | EXP 150 of 150 | 1.0941233 ± 0.0069379 | 0.6492 | EXP 150 of 150 | 93.948792 ± 0.016938 | 0.9996 | EXP 150 of 150 | 513.26323 ± 0.03477 | 0.9998 | EXP 150 of 150 |
| 17E28788 | 20.5 % | 0.0203020 ± 0.0002609 | 0.7877 | EXP 150 of 150 | 0.0411931 ± 0.0077183 | 0.0001 | EXP 150 of 150 | 0.2159984 ± 0.0063119 | 0.0690 | EXP 150 of 150 | 20.597274 ± 0.009721 | 0.9966 | EXP 150 of 150 | 115.86342 ± 0.01982 | 0.9898 | EXP 150 of 150 |
| 17E28789 | 21.0 % | 0.0209147 ± 0.0002490 | 0.7394 | EXP 150 of 150 | 0.0401355 ± 0.0068098 | 0.0001 | EXP 150 of 150 | 0.2280533 ± 0.0069904 | 0.0733 | EXP 150 of 150 | 21.588247 ± 0.010427 | 0.9965 | EXP 150 of 150 | 121.29468 ± 0.02190 | 0.9929 | EXP 150 of 150 |
| 17E28791 | 21.5 % | | | | | | | | | | | | | | | |

| Project Info | | Analyst | Irradiation | X-pos | Y-pos | Z/H-pos | Project | Experiment | Nmb |
|--------------|--------|-------------|-------------|-------|-------|---------|--------------------------|------------|-----|
| 17E28733 | 1.8 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 15.23 | Italy\ALS Global (17-25) | 17E28729 | 01 |
| 17E28735 | 1.9 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 15.23 | Italy\ALS Global (17-25) | 17E28729 | 01 |
| 17E28736 | 2.0 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 15.23 | Italy\ALS Global (17-25) | 17E28729 | 01 |
| 17E28737 | 2.2 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 15.23 | Italy\ALS Global (17-25) | 17E28729 | 01 |
| 17E28739 | 2.4 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 15.23 | Italy\ALS Global (17-25) | 17E28729 | 01 |
| 17E28740 | 2.7 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 15.23 | Italy\ALS Global (17-25) | 17E28729 | 01 |
| 17E28741 | 3.0 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 15.23 | Italy\ALS Global (17-25) | 17E28729 | 01 |
| 17E28743 | 3.2 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 15.23 | Italy\ALS Global (17-25) | 17E28729 | 01 |
| 17E28744 | 3.4 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 15.23 | Italy\ALS Global (17-25) | 17E28729 | 01 |
| 17E28745 | 3.6 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 15.23 | Italy\ALS Global (17-25) | 17E28729 | 01 |
| 17E28747 | 3.9 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 15.23 | Italy\ALS Global (17-25) | 17E28729 | 01 |
| 17E28748 | 4.2 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 15.23 | Italy\ALS Global (17-25) | 17E28729 | 01 |
| 17E28749 | 4.5 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 15.23 | Italy\ALS Global (17-25) | 17E28729 | 01 |
| 17E28751 | 4.8 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 15.23 | Italy\ALS Global (17-25) | 17E28729 | 01 |
| 17E28752 | 5.1 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 15.23 | Italy\ALS Global (17-25) | 17E28729 | 01 |
| 17E28753 | 5.4 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 15.23 | Italy\ALS Global (17-25) | 17E28729 | 01 |
| 17E28755 | 5.8 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 15.23 | Italy\ALS Global (17-25) | 17E28729 | 01 |
| 17E28756 | 6.2 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 15.23 | Italy\ALS Global (17-25) | 17E28729 | 01 |
| 17E28757 | 6.8 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 15.23 | Italy\ALS Global (17-25) | 17E28729 | 01 |
| 17E28759 | 7.4 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 15.23 | Italy\ALS Global (17-25) | 17E28729 | 01 |
| 17E28760 | 8.2 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 15.23 | Italy\ALS Global (17-25) | 17E28729 | 01 |
| 17E28761 | 9.1 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 15.23 | Italy\ALS Global (17-25) | 17E28729 | 01 |
| 17E28763 | 9.6 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 15.23 | Italy\ALS Global (17-25) | 17E28729 | 01 |
| 17E28764 | 10.0 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 15.23 | Italy\ALS Global (17-25) | 17E28729 | 01 |
| 17E28765 | 10.5 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 15.23 | Italy\ALS Global (17-25) | 17E28729 | 01 |
| 17E28767 | 11.0 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 15.23 | Italy\ALS Global (17-25) | 17E28729 | 01 |
| 17E28768 | 11.5 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 15.23 | Italy\ALS Global (17-25) | 17E28729 | 01 |
| 17E28769 | 12.0 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 15.23 | Italy\ALS Global (17-25) | 17E28729 | 01 |
| 17E28771 | 12.5 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 15.23 | Italy\ALS Global (17-25) | 17E28729 | 01 |
| 17E28772 | 13.0 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 15.23 | Italy\ALS Global (17-25) | 17E28729 | 01 |
| 17E28773 | 13.7 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 15.23 | Italy\ALS Global (17-25) | 17E28729 | 01 |
| 17E28775 | 14.4 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 15.23 | Italy\ALS Global (17-25) | 17E28729 | 01 |
| 17E28776 | 15.0 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 15.23 | Italy\ALS Global (17-25) | 17E28729 | 01 |
| 17E28777 | 15.7 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 15.23 | Italy\ALS Global (17-25) | 17E28729 | 01 |
| 17E28779 | 16.2 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 15.23 | Italy\ALS Global (17-25) | 17E28729 | 01 |
| 17E28780 | 17.0 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 15.23 | Italy\ALS Global (17-25) | 17E28729 | 01 |
| 17E28781 | 17.7 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 15.23 | Italy\ALS Global (17-25) | 17E28729 | 01 |
| 17E28783 | 18.5 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 15.23 | Italy\ALS Global (17-25) | 17E28729 | 01 |
| 17E28784 | 19.0 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 15.23 | Italy\ALS Global (17-25) | 17E28729 | 01 |
| 17E28785 | 19.5 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 15.23 | Italy\ALS Global (17-25) | 17E28729 | 01 |
| 17E28787 | 20.0 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 15.23 | Italy\ALS Global (17-25) | 17E28729 | 01 |
| 17E28788 | 20.5 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 15.23 | Italy\ALS Global (17-25) | 17E28729 | 01 |
| 17E28789 | 21.0 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 15.23 | Italy\ALS Global (17-25) | 17E28729 | 01 |
| 17E28791 | 21.5 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 15.23 | Italy\ALS Global (17-25) | 17E28729 | 01 |
| 17E28793 | 22.0 % | Dan Miggins | 17-OSU-08 | 0.00 | 0.00 | 15.23 | Italy\ALS Global (17-25) | 17E28729 | 01 |

17E28729.AGE >>> ISP-81 >>> ITALY | ALS GLOBAL (17-25) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

15.72 ± 0.03

TOTAL FUSION

15.73 ± 0.03

NORMAL ISOCHRON

15.71 ± 0.03

INVERSE ISOCHRON

15.72 ± 0.03

MSWD (PROBABILITY)

1.73 (4%)

Sample Info

Sanidine

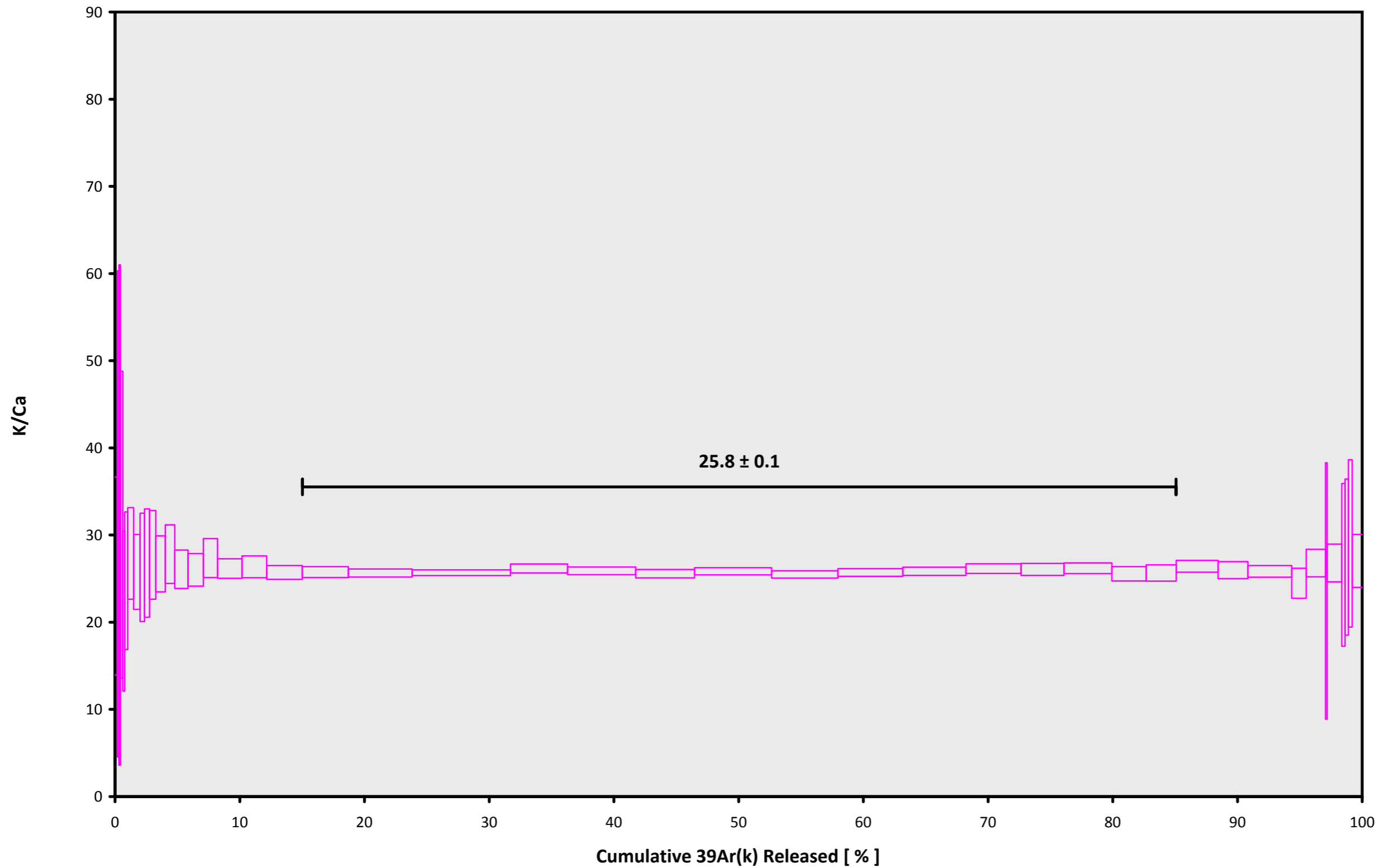
San Pietro Island

Dan Miggins

IRR = 17-OSU-08 (8A11-17)

J = 0.00163363 ± 0.00000162

17E28729.AGE >>> ISP-81 >>> ITALY | ALS GLOBAL (17-25) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

15.72 ± 0.03

TOTAL FUSION

15.73 ± 0.03

NORMAL ISOCHRON

15.71 ± 0.03

INVERSE ISOCHRON

15.72 ± 0.03

Sample Info

Sanidine

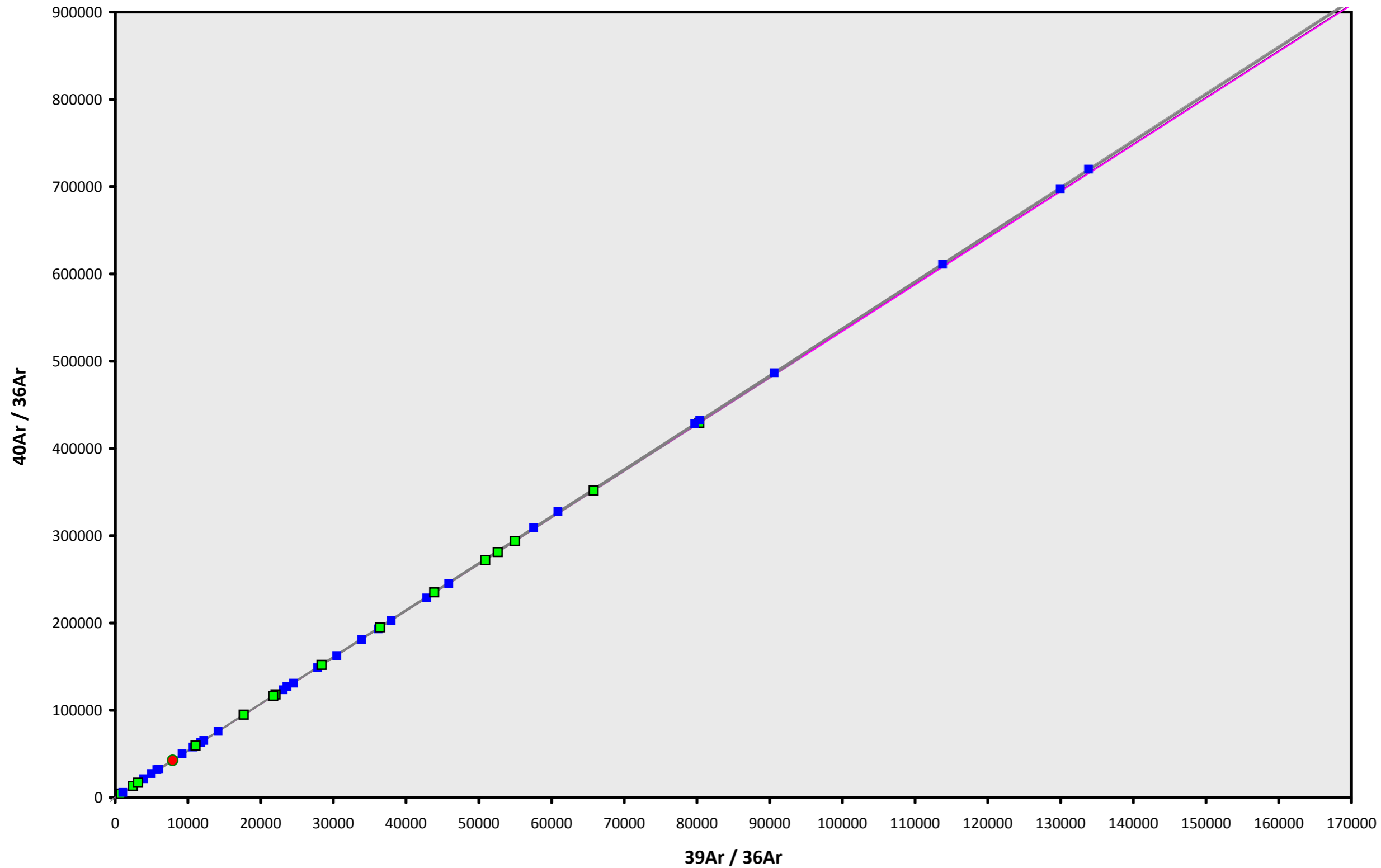
San Pietro Island

Dan Miggins

IRR = 17-OSU-08 (8A11-17)

J = 0.00163363 ± 0.00000162

17E28729.AGE >>> ISP-81 >>> ITALY | ALS GLOBAL (17-25) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

15.72 ± 0.03

TOTAL FUSION

15.73 ± 0.03

NORMAL ISOCHRON

15.71 ± 0.03

INVERSE ISOCHRON

15.72 ± 0.03

MSWD (PROBABILITY)

2.94 (0%)

40AR/36AR INTERCEPT

300.5 ± 9.8

Sample Info

Sanidine

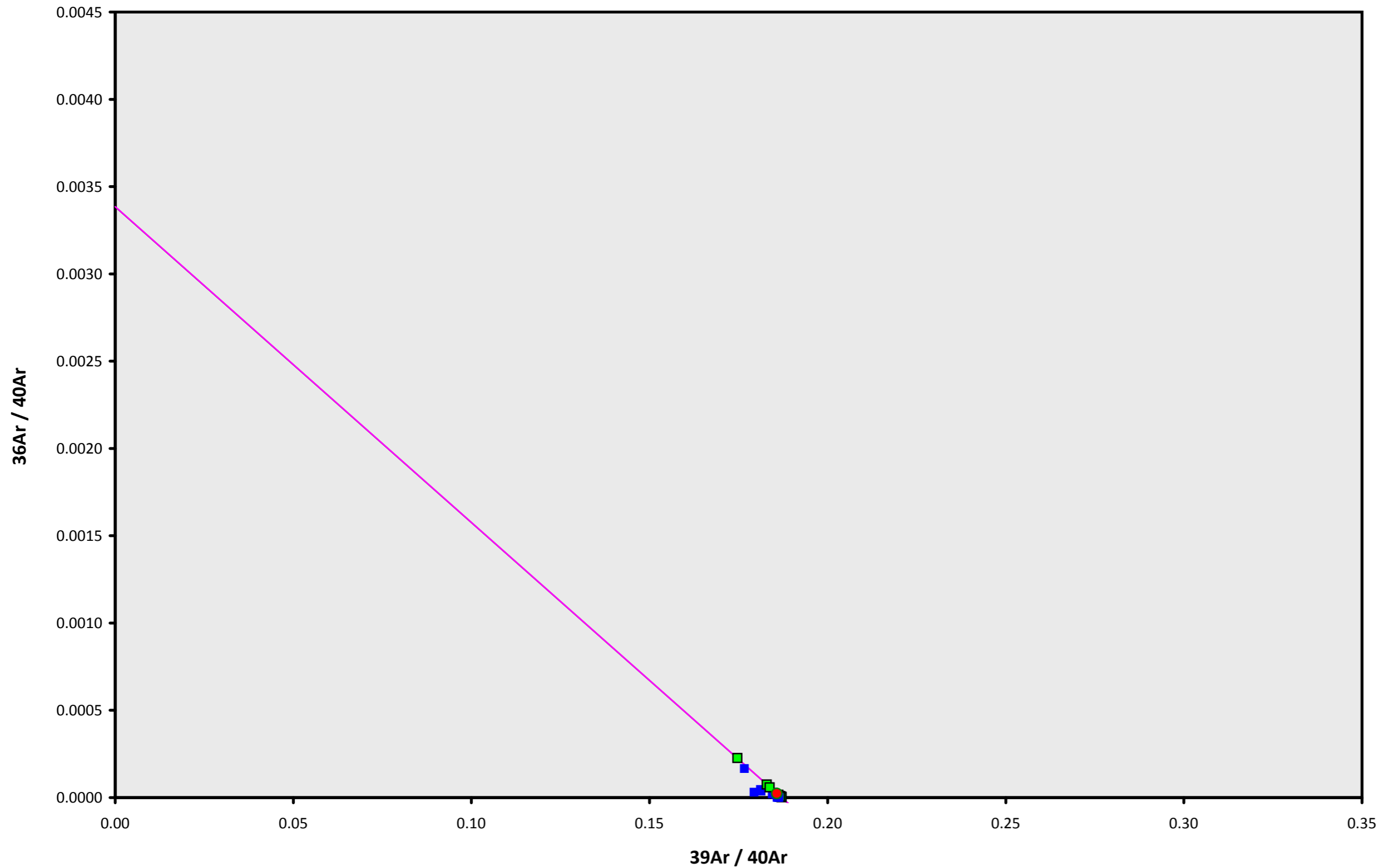
San Pietro Island

Dan Miggins

IRR = 17-OSU-08 (8A11-17)

J = $0.00163363 \pm 0.00000162$

17E28729.AGE >>> ISP-81 >>> ITALY | ALS GLOBAL (17-25) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

15.72 ± 0.03

TOTAL FUSION

15.73 ± 0.03

NORMAL ISOCHRON

15.71 ± 0.03

INVERSE ISOCHRON

15.72 ± 0.03

MSWD (PROBABILITY)

1.86 (3%)

SPREADING FACTOR

6.6%

40AR/36AR INTERCEPT

295.4 ± 7.8

Sample Info

Sanidine

San Pietro Island

Dan Miggins

IRR = 17-OSU-08 (8A11-17)

J = 0.00163363 ± 0.00000162

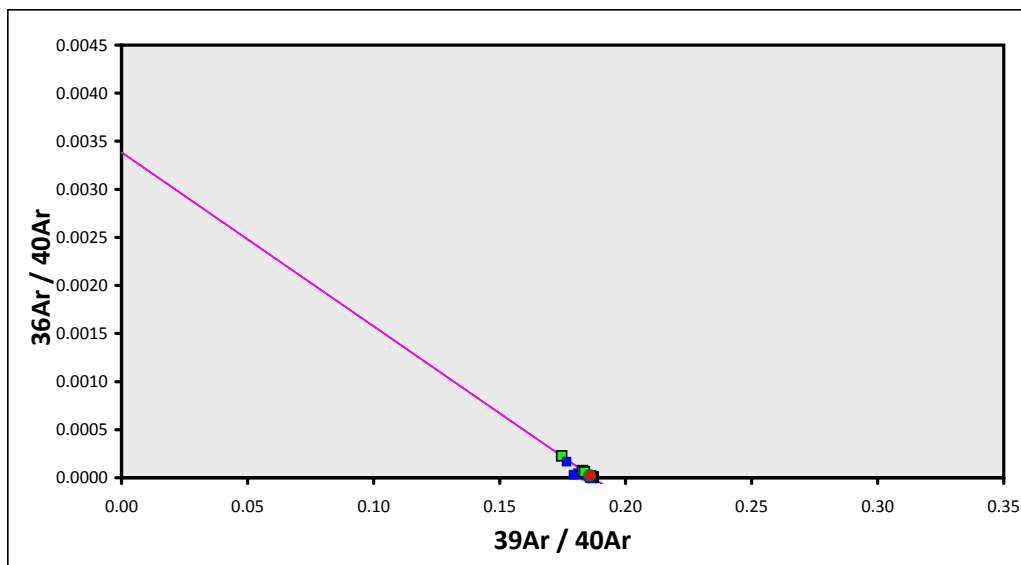
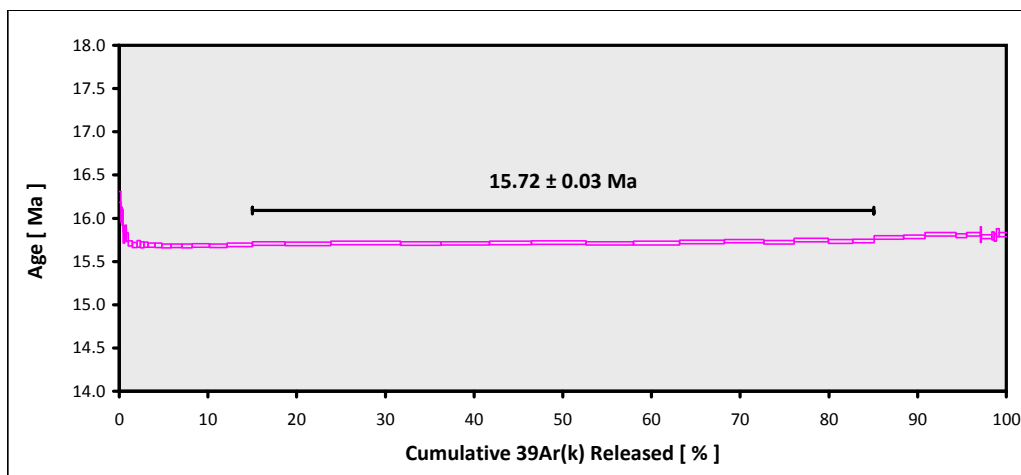
EXP#17E28729 > ISP-81 > Sanidine > ALS GLOBAL (17-25)
SW SARDINIA > SAN PIETRO ISLAND
17-OSU-08 (8A11-17) > Incremental Heating > Dan Miggins

**Information on Analysis
 and Constants Used in Calculations**

Project = **ALS GLOBAL (17-25)**
 Sample = **ISP-81**
 Material = **Sanidine**
 Location = **San Pietro Island**
 Region = **SW Sardinia**
 Analyst = **Dan Miggins**
 Irradiation = **17-OSU-08 (8A11-17)**
 Position = **X: 0 | Y: 0 | Z/H: 15.22643 mm**
 FCT-NM Age = **28.201 ± 0.023 Ma**
 FCT-NM Reference = **Kuiper et al (2008)**
 FCT-NM 40Ar/39Ar Ratio = **9.62113 ± 0.00952**
 FCT-NM J-value = **0.00163363 ± 0.00000162**
 Air Shot 40Ar/36Ar = **305.5100 ± 0.2902**
 Air Shot MDF = **0.99179819 ± 0.00061821 (LIN)**
 Experiment Type = **Incremental Heating**
 Extraction Method = **Bulk Laser Heating**
 Heating = **54 sec**
 Isolation = **3.00 min**
 Instrument = **ARGUS-VI-E**
 Preferred Age = **Plateau Age**
 Age Classification = **Eruption Age**
 IGSN = **13.4**
 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) = **295.50**
 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**

Slight excess argon

| Results | 40(a)/36(a) ± 2σ | 40(r)/39(k) ± 2σ | Age ± 2σ (Ma) | MSWD | 39Ar(k) (%n) | K/Ca ± 2σ |
|------------------|------------------|------------------------------|----------------------------|--------|---------------------|------------|
| Age Plateau | | 5.34453 ± 0.00234 ± 0.04% | 15.72 ± 0.03 ± 0.20% | 1.73 | 70.07 | 25.8 ± 0.1 |
| | | | Full External Error ± 0.36 | 4% | 15 | |
| | | | Analytical Error ± 0.01 | 1.76 | 2σ Confidence Limit | |
| | | | | 1.3150 | Error Magnification | |
| Total Fusion Age | | 5.34734 ± 0.00141 ± 0.03% | 15.73 ± 0.03 ± 0.20% | | 45 | 26.0 ± 0.2 |
| | | | Full External Error ± 0.36 | | | |
| | | | Analytical Error ± 0.00 | | | |
| Normal Isochron | 300.48 ± 9.81 | 5.34052 ± 0.00343 ± 0.06% | 15.71 ± 0.03 ± 0.21% | 2.94 | 70.07 | |
| Error Chron | ± 3.27% | | | 0% | 15 | |
| | | | Full External Error ± 0.36 | 1.78 | 2σ Confidence Limit | |
| | | | Analytical Error ± 0.01 | 1.7152 | Error Magnification | |
| Inverse Isochron | 295.43 ± 7.79 | 5.34455 ± 0.00270 ± 0.05% | 15.72 ± 0.03 ± 0.20% | 1.86 | 70.07 | |
| Error Chron | ± 2.64% | | | 3% | 15 | |
| | | | Full External Error ± 0.36 | 1.78 | 2σ Confidence Limit | |
| | | | Analytical Error ± 0.01 | 1.3655 | Error Magnification | |
| | | | | 7% | Spreading Factor | |



| Series | Units | Subunits | Place | Phase | Author | Age | Method | [I] Age (Ma) | [I] ±1σ (Ma) | [II] Age (Ma) | [II] ±1σ (Ma) | [III] Age (Ma) | [III] ±1σ (Ma) | [I] Old K Decay Constants | [II] New K Decay Constants | [III] New K Decay Constants | [I] Old Monitor Mineral Age | [II] New Monitor Mineral Age | [III] New Monitor Mineral Age |
|--------|-------|----------|----------------|-------|-----------------------|-----|------------------------------------|--------------|--------------|---------------|---------------|----------------|----------------|---------------------------|----------------------------|-----------------------------|-----------------------------|------------------------------|-------------------------------|
| LRH | LE | LE | Sulcis | Sa | Pioli 2003 | | ⁴⁰ Ar/ ³⁹ Ar | 16.68 | 0.02 | 16.83 | 0.02 | 16.81 | 0.02 | Min et al., 2000 | Present in this work | Renne et al., 2011 | FCs Renne et al., 1994* | FCs Kuiper et al., 2008 | FCs Jicha et al., 2016 |
| LRH | SE | SE | Sulcis | Sa? | Pioli 2003 | | ⁴⁰ Ar/ ³⁹ Ar | 16.70 | 0.85 | 16.85 | 0.86 | 16.84 | 0.86 | Min et al., 2000 | Present in this work | Renne et al., 2011 | FCs Renne et al., 1994* | FCs Kuiper et al., 2008 | FCs Jicha et al., 2016 |
| MRH | MC | MC | Sulcis | Sa | Pioli 2003 | | ⁴⁰ Ar/ ³⁹ Ar | 16.38 | 0.06 | 16.53 | 0.06 | 16.51 | 0.06 | Min et al., 2000 | Present in this work | Renne et al., 2011 | FCs Renne et al., 1994* | FCs Kuiper et al., 2008 | FCs Jicha et al., 2016 |
| MRH | NUR | NUR | Sulcis | Sa | Pioli 2003 | | ⁴⁰ Ar/ ³⁹ Ar | 16.27 | 0.02 | 16.42 | 0.02 | 16.40 | 0.02 | Min et al., 2000 | Present in this work | Renne et al., 2011 | FCs Renne et al., 1994* | FCs Kuiper et al., 2008 | FCs Jicha et al., 2016 |
| LCO | CO | LCO2?Δ | San Pietro | Sa | Pioli 2003 | | ⁴⁰ Ar/ ³⁹ Ar | 15.98 | 0.02 | 16.12 | 0.02 | 16.11 | 0.02 | Min et al., 2000 | Present in this work | Renne et al., 2011 | FCs Renne et al., 1994* | FCs Kuiper et al., 2008 | FCs Jicha et al., 2016 |
| LCO | CO | LCO4?Δ | San Pietro | Sa | Pioli 2003 | | ⁴⁰ Ar/ ³⁹ Ar | 16.06 | 0.04 | 16.20 | 0.04 | 16.19 | 0.04 | Min et al., 2000 | Present in this work | Renne et al., 2011 | FCs Renne et al., 1994* | FCs Kuiper et al., 2008 | FCs Jicha et al., 2016 |
| LCO | CO | LCO3-LΔ | San Pietro | Sa | Pioli 2003 | | ⁴⁰ Ar/ ³⁹ Ar | 15.85 | 0.04 | 16.00 | 0.04 | 15.98 | 0.04 | Min et al., 2000 | Present in this work | Renne et al., 2011 | FCs Renne et al., 1994* | FCs Kuiper et al., 2008 | FCs Jicha et al., 2016 |
| UCO | MU | UCO1Δ | San Pietro | Sa | Pioli 2003 | | ⁴⁰ Ar/ ³⁹ Ar | 15.82 | 0.03 | 15.97 | 0.03 | 15.95 | 0.03 | Min et al., 2000 | Present in this work | Renne et al., 2011 | FCs Renne et al., 1994* | FCs Kuiper et al., 2008 | FCs Jicha et al., 2016 |
| URH | PA | PA | Sant'Antioco | Sa | Pioli 2003 | | ⁴⁰ Ar/ ³⁹ Ar | 13.72 | 0.47 | 13.84 | 0.47 | 13.83 | 0.47 | Min et al., 2000 | Present in this work | Renne et al., 2011 | FCs Renne et al., 1994* | FCs Kuiper et al., 2008 | FCs Jicha et al., 2016 |
| URH | CT | CT | Sant'Antioco | Sa | Pioli 2003 | | ⁴⁰ Ar/ ³⁹ Ar | 16.41 | 0.13 | 16.56 | 0.13 | 16.54 | 0.13 | Min et al., 2000 | Present in this work | Renne et al., 2011 | FCs Renne et al., 1994* | FCs Kuiper et al., 2008 | FCs Jicha et al., 2016 |
| URH | PM | PM | San Pietro | Sa | Pioli 2003 | | ⁴⁰ Ar/ ³⁹ Ar | 15.72 | 0.12 | 15.86 | 0.12 | 15.85 | 0.12 | Min et al., 2000 | Present in this work | Renne et al., 2011 | FCs Renne et al., 1994* | FCs Kuiper et al., 2008 | FCs Jicha et al., 2016 |
| MRH | NUR | NUR | Sulcis | Sa | Pasci et al., 2001 | | ⁴⁰ Ar/ ³⁹ Ar | 15.79 | 0.08 | 15.89 | 0.08 | 15.88 | 0.08 | Min et al., 2000^ | Present in this work | Renne et al., 2011 | FCs Renne et al., 1998^ | FCs Kuiper et al., 2008 | FCs Jicha et al., 2016 |
| URH | CT | CT | Sant'Antioco# | Sa | Pasci et al., 2001 | | ⁴⁰ Ar/ ³⁹ Ar | 15.10 | 0.10 | 15.20 | 0.10 | 15.18 | 0.10 | Min et al., 2000^ | Present in this work | Renne et al., 2011 | FCs Renne et al., 1998^ | FCs Kuiper et al., 2008 | FCs Jicha et al., 2016 |
| LRH | CM | CM | Sulcis | PI | Pasci et al., 2001 | | ⁴⁰ Ar/ ³⁹ Ar | 18.60 | 0.20 | 18.72 | 0.20 | 18.70 | 0.20 | Min et al., 2000^ | Present in this work | Renne et al., 2011 | FCs Renne et al., 1998^ | FCs Kuiper et al., 2008 | FCs Jicha et al., 2016 |
| BAND | BAND | BAND | Sulcis | PI | Pasci et al., 2001 | | ⁴⁰ Ar/ ³⁹ Ar | 16.80 | 0.45 | 16.91 | 0.45 | 16.89 | 0.45 | Min et al., 2000^ | Present in this work | Renne et al., 2011 | FCs Renne et al., 1998^ | FCs Kuiper et al., 2008 | FCs Jicha et al., 2016 |
| AND | AND | AND | Sulcis | PI | Pasci et al., 2001 | | ⁴⁰ Ar/ ³⁹ Ar | 18.80 | 0.45 | 18.92 | 0.45 | 18.91 | 0.45 | Min et al., 2000^ | Present in this work | Renne et al., 2011 | FCs Renne et al., 1998^ | FCs Kuiper et al., 2008 | FCs Jicha et al., 2016 |
| TRQ | TRQ | TRQ | Isola del Toro | Ano | Lustrino et al., 2007 | | ⁴⁰ Ar/ ³⁹ Ar | 11.83 | 0.05 | 11.91 | 0.05 | 11.90 | 0.05 | Steiger and Jäger, 1977 | Present in this work | Renne et al., 2011 | FCs Renne et al., 1998• | FCs Kuiper et al., 2008 | FCs Jicha et al., 2016 |

Subunit Code^Δ: We interpreted the levels in this column based on the sample locations reported in the literature. We find this necessary to adapt the samples and ages to our detailed stratigraphic column.

Place[#]: The sample location is inferred by the photograph and description of the geological map of Carbonia (Foglio 564), although the exact location is not recorded.

Min et al., 2000^ & FCs Renne et al., 1998^: The constants and the mineral monitor used for the ages reported in Pasci et al. 2001 are unknown and they are not mentioned in the Carbonia geological map as well (Foglio 564). We assumed the decay constants of Min et al., 2000 and the FC monitor of Renne et al., 1998 are used since they are the most recent reference data according to the publication date of the article by Pasci et al 2001.

FCs Renne et al., 1994*: The data of Pioli 2003 are presented in her Ph.D. thesis, the constants are those of Min et al., 2000, and the reported mineral monitor is FCT-3 biotite, Baksi et al., 1996 related with MMhb-1, Renne et al., 1998. To recalculate all data, it was assumed that the FC standard was reported in Renne et al., 1994 in order to incorporate the value of error 1σ. The age of Baski et al., 1996 is the same.

FCs Renne et al., 1998•: The mineral monitor used in Lustrino et al., 2007 was biotite FCT-3 (without age reference) Renne et al., 1998. We interpreted that is FCT related to GA-1550 Renne et al., 1998 whose values are provided in the calculation software references.

[I]: Ages and original data reported by the reference authors (Author Age column).

[II]: Recalculated ages based on data from the OSU Argon Geochronology Lab (the same way our samples were measured).

[III]: Recalculated ages according to the most recent data in the literature.

Reference:

Min, K., Mundil, R., Renne, P.R., Ludwig, K.R., 2000. A test for systematic errors in ⁴⁰Ar/³⁹Ar geochronology through comparison with U/Pb analysis of a 1.1-Ga rhyolite. *Geochim. Cosmochim. Acta* 64, 73–98. [https://doi.org/10.1016/S0016-7037\(99\)00204-5](https://doi.org/10.1016/S0016-7037(99)00204-5)

Renne, P.R., Swisher, C.C., Deino, A.L., Karner, D.B., Owens, T.L., DePaolo, D.J., 1998. Intercalibration of standards, absolute ages and uncertainties in ⁴⁰Ar/³⁹Ar dating. *Chem. Geol.* 145, 117–152. [https://doi.org/10.1016/S0009-2541\(97\)00159-9](https://doi.org/10.1016/S0009-2541(97)00159-9)

Kuiper, K.F., Deino, A., Hilgen, F.J., Krijgsman, W., Renne, P.R., Wijbrans, J.R., 2008. Synchronizing Rock Clocks of Earth History. *Science* (80) 320, 500–504. <https://doi.org/10.1126/science.1154339>

Renne, P.R., Balco, G., Ludwig, K.R., Mundil, R., Min, K., 2011. Response to the comment by W.H. Schwarz et al. on "Joint determination of 40K decay constants and ⁴⁰Ar /⁴⁰K for the Fish Canyon sanidine standard, and improved accuracy for ⁴⁰Ar/³⁹Ar geochronology" by P.R. Renne et al. (2010). *Geochim. Cosmochim. Acta* 75, 5097–5100. <https://doi.org/10.1016/j.gca.2011.06.021>

Jicha, B.R., Singer, B.S., Sobol, P., 2016. Re-evaluation of the ages of ⁴⁰Ar/³⁹Ar sanidine standards and supereruptions in the western U.S. using a Noblesse multi-collector mass spectrometer. *Chem. Geol.* 431, 54–66. <https://doi.org/10.1016/j.chemgeo.2016.03.024>

Software for correction age: **Argon Age Recalculator - ArAR v1.00.01** <http://group18software.asu.edu/>

Mercer, C.M., Hodges, K. V., 2016. ArAR-A software tool to promote the robust comparison of K–Ar and ⁴⁰Ar/³⁹Ar dates published using different decay, isotopic, and monitor-age parameters. *Chem. Geol.* 440, 148–163. <https://doi.org/10.1016/j.chemgeo.2016.06.020>

| Series | Units | Subunits | Place | Phase | Author Age | Method | [I] Age (Ma) | [I] ±1σ (Ma) | [II] Age (Ma) | [II] ±1σ (Ma) | [I] Old K decay Constants | [II] New K Decay Constants | [I] Old K Isotopic Abundance Values | [II] New K Isotopic Abundance Values |
|--------|-------|---------------------|-----------------|-------|-----------------------------------------------|--------|--------------|--------------|---------------|---------------|------------------------------|----------------------------|-------------------------------------|--------------------------------------|
| AND | AND | AND | Sant'Antioco | WR | Araña et al., 1974 | K/Ar | 14.0 | 0.4 | 14.50 | 0.41 | Aldrich and Whetherill, 1958 | Renne et al., 2011 | Nier, 1950 | Böhke et al., 2005 |
| LCO | CO | LCO1-D ^Δ | San Pietro | Glass | Araña et al., 1974 | K/Ar | 14.8 | 0.4 | 15.33 | 0.41 | Aldrich and Whetherill, 1958 | Renne et al., 2011 | Nier, 1950 | Böhke et al., 2005 |
| LCO | CO | LCO1-D ^Δ | San Pietro | Afs | Araña et al., 1974 | K/Ar | 13.8 | 0.4 | 14.29 | 0.41 | Aldrich and Whetherill, 1958 | Renne et al., 2011 | Nier, 1950 | Böhke et al., 2005 |
| LCO | CO | LCO3-L ^Δ | San Pietro | Afs | Araña et al., 1974 | K/Ar | 14.6 | 0.4 | 15.12 | 0.41 | Aldrich and Whetherill, 1958 | Renne et al., 2011 | Nier, 1950 | Böhke et al., 2005 |
| MRH | MZ | MZ | San Pietro | Afs | Araña et al., 1974 | K/Ar | 15.5 | 0.5 | 16.05 | 0.52 | Aldrich and Whetherill, 1958 | Renne et al., 2011 | Nier, 1950 | Böhke et al., 2005 |
| AND | AND | AND | Sant'Antioco | WR | Coulon 1977 | K/Ar | 17.6 | 0.4 | 17.88 | 0.41 | Aldrich and Whetherill, 1958 | Renne et al., 2011 | Garner et al., 1975 | Böhke et al., 2005 |
| AND | AND | AND | Sulcis | WR | Coulon 1977 | K/Ar | 28.5 | 1.0 | 28.94 | 1.02 | Aldrich and Whetherill, 1958 | Renne et al., 2011 | Garner et al., 1975 | Böhke et al., 2005 |
| AND | AND | AND | Cixerri | WR | Savelli et al., 1979 | K/Ar | 18.8 | 0.8 | 19.10 | 0.81 | Aldrich and Whetherill, 1958 | Renne et al., 2011 | Steiger and Jäger, 1977 | Böhke et al., 2005 |
| AND | AND | AND | Cixerri | WR | Savelli et al., 1979 | K/Ar | 13.5 | 0.6 | 13.71 | 0.61 | Aldrich and Whetherill, 1958 | Renne et al., 2011 | Steiger and Jäger, 1977 | Böhke et al., 2005 |
| AND | AND | AND | Cixerri | WR | Savelli et al., 1979 | K/Ar | 19.1 | 0.8 | 19.40 | 0.81 | Aldrich and Whetherill, 1958 | Renne et al., 2011 | Steiger and Jäger, 1977 | Böhke et al., 2005 |
| AND | AND | AND | Cixerri | WR | Savelli et al., 1979 | K/Ar | 21.5 | 0.9 | 21.84 | 0.91 | Aldrich and Whetherill, 1958 | Renne et al., 2011 | Steiger and Jäger, 1977 | Böhke et al., 2005 |
| AND | AND | AND | Sarroch | WR | Savelli et al., 1979 | K/Ar | 24.0 | 1.0 | 24.37 | 1.02 | Aldrich and Whetherill, 1958 | Renne et al., 2011 | Steiger and Jäger, 1977 | Böhke et al., 2005 |
| AND | AND | AND | Sarroch | WR | Savelli et al., 1979 | K/Ar | 21.6 | 0.9 | 21.94 | 0.91 | Aldrich and Whetherill, 1958 | Renne et al., 2011 | Steiger and Jäger, 1977 | Böhke et al., 2005 |
| AND | AND | AND | Sulcis | PI | Montigny et al., 1981 | K/Ar | 25.6 | 0.9 | 26.00 | 0.91 | Aldrich and Whetherill, 1958 | Renne et al., 2011 | Steiger and Jäger, 1977 | Böhke et al., 2005 |
| AND | AND | AND | Sulcis | Hb | Montigny et al., 1981 | K/Ar | 23.2 | 0.9 | 23.56 | 0.91 | Aldrich and Whetherill, 1958 | Renne et al., 2011 | Steiger and Jäger, 1977 | Böhke et al., 2005 |
| AND | AND | AND | Sulcis | Hb | Montigny et al., 1981 | K/Ar | 22.8 | 0.8 | 23.16 | 0.81 | Aldrich and Whetherill, 1958 | Renne et al., 2011 | Steiger and Jäger, 1977 | Böhke et al., 2005 |
| AND | AND | AND | Sulcis | PI | Montigny et al., 1981 | K/Ar | 18.6 | 0.7 | 18.89 | 0.71 | Aldrich and Whetherill, 1958 | Renne et al., 2011 | Steiger and Jäger, 1977 | Böhke et al., 2005 |
| AND | AND | AND | Villamassargia | WR | Montigny et al., 1981 | K/Ar | 18.8 | 0.8 | 19.10 | 0.81 | Aldrich and Whetherill, 1958 | Renne et al., 2011 | Steiger and Jäger, 1977 | Böhke et al., 2005 |
| AND | AND | AND | Villamassargia | WR | Montigny et al., 1981 | K/Ar | 13.5 | 0.6 | 13.71 | 0.61 | Aldrich and Whetherill, 1958 | Renne et al., 2011 | Steiger and Jäger, 1977 | Böhke et al., 2005 |
| AND | AND | AND | Villamassargia | WR | Montigny et al., 1981 | K/Ar | 19.1 | 0.8 | 19.40 | 0.81 | Aldrich and Whetherill, 1958 | Renne et al., 2011 | Steiger and Jäger, 1977 | Böhke et al., 2005 |
| AND | AND | AND | Villamassargia | WR | Montigny et al., 1981 | K/Ar | 21.5 | 0.9 | 21.84 | 0.91 | Aldrich and Whetherill, 1958 | Renne et al., 2011 | Steiger and Jäger, 1977 | Böhke et al., 2005 |
| LRH | LE | LE | Sulcis | Sa | Boni et al., 1990 | K/Ar | 17.0 | 0.8 | 17.15 | 0.81 | Steiger and Jäger, 1977 | Renne et al., 2011 | Steiger and Jäger, 1977 | Böhke et al., 2005 |
| MRH | NUR | NUR-v | Sulcis | WR | Boni et al., 1990 | K/Ar | 17.6 | 0.8 | 17.76 | 0.81 | Steiger and Jäger, 1977 | Renne et al., 2011 | Steiger and Jäger, 1977 | Böhke et al., 2005 |
| MRH | NUR | NUR-v | Sulcis | WR | Boni et al., 1990 | K/Ar | 17.3 | 0.8 | 17.46 | 0.81 | Steiger and Jäger, 1977 | Renne et al., 2011 | Steiger and Jäger, 1977 | Böhke et al., 2005 |
| URH | CT | CT-v | San Pietro | WR | Boni et al., 1990 | K/Ar | 16.9 | 0.8 | 17.05 | 0.81 | Steiger and Jäger, 1977 | Renne et al., 2011 | Steiger and Jäger, 1977 | Böhke et al., 2005 |
| URH | CT | CT-v | Sant'Antioco | WR | Boni et al., 1990 | K/Ar | 16.2 | 0.7 | 16.35 | 0.71 | Steiger and Jäger, 1977 | Renne et al., 2011 | Steiger and Jäger, 1977 | Böhke et al., 2005 |
| URH | PA | PA | Sulcis | WR | Boni et al., 1990 | K/Ar | 15.8 | 0.7 | 15.94 | 0.71 | Steiger and Jäger, 1977 | Renne et al., 2011 | Steiger and Jäger, 1977 | Böhke et al., 2005 |
| URH | PM | PM | San Pietro | WR | Boni et al., 1990 & Garbarino et al., 1990 | K/Ar | 15.0 | 0.7 | 15.14 | 0.71 | Steiger and Jäger, 1977 | Renne et al., 2011 | Steiger and Jäger, 1977 | Böhke et al., 2005 |
| MRH | PC | PC | San Pietro | WR | Garbarino et al., 1990 | K/Ar | 18.2 | 0.8 | 18.36 | 0.81 | Steiger and Jäger, 1977 | Renne et al., 2011 | Steiger and Jäger, 1977 | Böhke et al., 2005 |
| LCO | CO | LCO1-D ^Δ | San Pietro | WR | Garbarino et al., 1990 | K/Ar | 18.1 | 0.8 | 18.26 | 0.81 | Steiger and Jäger, 1977 | Renne et al., 2011 | Steiger and Jäger, 1977 | Böhke et al., 2005 |
| LCO | CO | LCO4 ^Δ | San Pietro | WR | Garbarino et al., 1990 | K/Ar | 16.5 | 0.8 | 16.65 | 0.81 | Steiger and Jäger, 1977 | Renne et al., 2011 | Steiger and Jäger, 1977 | Böhke et al., 2005 |
| UCO | MU | UCO1 ^Δ | San Pietro | WR | Garbarino et al., 1990 | K/Ar | 16.0 | 0.7 | 16.14 | 0.71 | Steiger and Jäger, 1977 | Renne et al., 2011 | Steiger and Jäger, 1977 | Böhke et al., 2005 |
| URH | PA | PA | San Pietro | WR | Garbarino et al., 1990 | K/Ar | 15.1 | 0.7 | 15.24 | 0.71 | Steiger and Jäger, 1977 | Renne et al., 2011 | Steiger and Jäger, 1977 | Böhke et al., 2005 |
| BAND | BAND | BAND | Sant'Antioco | WR | Maccioni et al., 1990 | K/Ar | 18.3 | 1.1 | 18.46 | 1.11 | Steiger and Jäger, 1977 | Renne et al., 2011 | Steiger and Jäger, 1977 | Böhke et al., 2005 |
| BAND | BAND | BAND | Sant'Antioco | WR | Maccioni et al., 1990 | K/Ar | 18.0 | 1.3 | 18.16 | 1.31 | Steiger and Jäger, 1977 | Renne et al., 2011 | Steiger and Jäger, 1977 | Böhke et al., 2005 |
| BAND | BAND | BAND | Sant'Antioco | WR | Maccioni et al., 1990 | K/Ar | 16.7 | 1.0 | 16.85 | 1.01 | Steiger and Jäger, 1977 | Renne et al., 2011 | Steiger and Jäger, 1977 | Böhke et al., 2005 |
| BAND | BAND | BAND | Sant'Antioco | WR | Maccioni et al., 1990 | K/Ar | 17.3 | 0.9 | 17.46 | 0.91 | Steiger and Jäger, 1977 | Renne et al., 2011 | Steiger and Jäger, 1977 | Böhke et al., 2005 |
| MRH | MC | MC | Sant'Antioco | WR | Maccioni et al., 1990 | K/Ar | 17.6 | 0.8 | 17.76 | 0.81 | Steiger and Jäger, 1977 | Renne et al., 2011 | Steiger and Jäger, 1977 | Böhke et al., 2005 |
| MRH | NUR | NUR | Sant'Antioco | WR | Maccioni et al., 1990 | K/Ar | 16.6 | 0.7 | 16.75 | 0.71 | Steiger and Jäger, 1977 | Renne et al., 2011 | Steiger and Jäger, 1977 | Böhke et al., 2005 |
| LCO | CO | LCO6 ^Δ | Sant'Antioco | WR | Maccioni et al., 1990 | K/Ar | 17.7 | 0.8 | 17.86 | 0.81 | Steiger and Jäger, 1977 | Renne et al., 2011 | Steiger and Jäger, 1977 | Böhke et al., 2005 |
| URH | CT | CT | Sant'Antioco | WR | Maccioni et al., 1990 | K/Ar | 16.7 | 0.7 | 16.85 | 0.71 | Steiger and Jäger, 1977 | Renne et al., 2011 | Steiger and Jäger, 1977 | Böhke et al., 2005 |
| URH | CT | CT | Sant'Antioco | WR | Maccioni et al., 1990 | K/Ar | 16.0 | 0.7 | 16.14 | 0.71 | Steiger and Jäger, 1977 | Renne et al., 2011 | Steiger and Jäger, 1977 | Böhke et al., 2005 |
| TRQ | TRQ | TRQ | Isola del Toro | WR | Maccioni et al., 1990 | K/Ar | 13.0 | 0.6 | 13.12 | 0.61 | Steiger and Jäger, 1977 | Renne et al., 2011 | Steiger and Jäger, 1977 | Böhke et al., 2005 |
| LRH | AC | AC | Sulcis | PI | Cincotti et al., 1994 & Assorgia et al., 1995 | K/Ar | 16.6 | 0.8 | 16.79 | 0.81 | Steiger and Jäger, 1977 | Renne et al., 2011 | Endt, 1990 | Böhke et al., 2005 |
| UCO | MU | UCO3? ^Δ | Sant'Antioco | Sa | Cincotti et al., 1994 | K/Ar | 15.5 | 0.5 | 15.68 | 0.51 | Steiger and Jäger, 1977 | Renne et al., 2011 | Endt, 1990 | Böhke et al., 2005 |
| AND | AND | AND | Monte Sa Perda | WR | Lecca et al., 1997 | K/Ar | 22.8 | 1.3 | 23.06 | 1.31 | Steiger and Jäger, 1977 | Renne et al., 2011 | Endt, 1990 | Böhke et al., 2005 |
| AND | AND | AND | Monte Truxionis | WR | Lecca et al., 1997 | K/Ar | 27.0 | 1.1 | 27.31 | 1.11 | Steiger and Jäger, 1977 | Renne et al., 2011 | Endt, 1990 | Böhke et al., 2005 |

Subunit Code^Δ : We interpreted the levels in this column based on the sample locations reported in the literature. We find this necessary to adapt the samples and ages to our detailed stratigraphic column.

[I]: Ages and original data reported by the reference authors (Author Age column).

[II]: Recalculated ages according to the most recent data in the literature.

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Software for correction age: **Argon Age Recalculator - ArAR v1.00.01** <http://group18software.asu.edu/>

Mercer, C.M., Hodges, K. V., 2016. ArAR-A software tool to promote the robust comparison of K–Ar and 40Ar/39Ar dates published using different decay, isotopic, and monitor-age parameters. *Chem. Geol.* 440, 148–163. <https://doi.org/10.1016/j.chemgeo.2016.06.020>

| Series | Units | Subunits | Place | Phase | Method | [I] Age (Ma) | [I] ±1σ (Ma) | [II] Age (Ma) | [II] ±1σ (Ma) | [I] This Work K Decay Constants | [II] New K Decay Constants | [I] This Work Monitor Mineral Age | [II] New Monitor Mineral Age |
|--------|-------|----------|--------------|-------|------------------------------------|--------------|--------------|---------------|---------------|---------------------------------------|----------------------------|-----------------------------------|------------------------------|
| URH | CT | CT | Sant'Antioco | Pl | ⁴⁰ Ar/ ³⁹ Ar | 15.346 | 0.020 | 15.332 | 0.020 | - | Renne et al., 2011 | FCs Kuiper et al., 2008 | FCs Jicha et al., 2016 |
| UCO | MU | UCO1-C | San Pietro | Sa | ⁴⁰ Ar/ ³⁹ Ar | 15.719 | 0.020 | 15.705 | 0.020 | Decay 40K(λ) = 0.580 ± 0.009 E-10 1/a | Renne et al., 2011 | FCs Kuiper et al., 2008 | FCs Jicha et al., 2016 |
| LCO | CO | LCO1-D | San Pietro | Sa | ⁴⁰ Ar/ ³⁹ Ar | 15.956 | 0.020 | 15.941 | 0.020 | Decay 40K(λ) = 4.950 ± 0.043 E-10 1/a | Renne et al., 2011 | FCs Kuiper et al., 2008 | FCs Jicha et al., 2016 |
| MRH | MZ | MZ | San Pietro | Pl | ⁴⁰ Ar/ ³⁹ Ar | 16.180 | 0.021 | 16.165 | 0.021 | Decay 40K = 5.530 ± 0.048 E-10 1/a | Renne et al., 2011 | FCs Kuiper et al., 2008 | FCs Jicha et al., 2016 |

Sample point in Fig.1, URH: sample ANT-12 (Calasetta Unit: CT); UCO: sample ISP-81 (Monte Ulmus Unit: MU); LCO: sample 15-202 (Comendite Unit: CO); MRH: Sample 15-258 (Matzaccara Unit: MZ)

[I]: Age calculation with IsoplotR, K decay constants used by OSU Argon Geochronology Lab (this work).

[II]: Recalculated ages according to the most recent data in the literature.

Reference:

Kuiper, K.F., Deino, A., Hilgen, F.J., Krijgsman, W., Renne, P.R., Wijbrans, J.R., 2008. Synchronizing Rock Clocks of Earth History. *Science* (80) 320, 500–504. <https://doi.org/10.1126/science.1154339>

Renne, P.R., Balco, G., Ludwig, K.R., Mundil, R., Min, K., 2011. Response to the comment by W.H. Schwarz et al. on "Joint determination of 40K decay constants and 40Ar /40K for the Fish Canyon sanidine standard, and improved accuracy for 40Ar/39Ar geochronology" by P.R. Renne et al. (2010). *Geochim. Cosmochim. Acta* 75, 5097–5100. <https://doi.org/10.1016/j.gca.2011.06.021>

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Software for correction age: **Argon Age Recalculator - ArAR v1.00.01** <http://group18software.asu.edu/>

Mercer, C.M., Hodges, K. V., 2016. ArAR-A software tool to promote the robust comparison of K–Ar and 40Ar/39Ar dates published using different decay, isotopic, and monitor-age parameters. *Chem. Geol.* 440, 148–163. <https://doi.org/10.1016/j.chemgeo.2016.06.020>

| Spot | 204Pb /206Pb | ±% | 207Pb /206Pb | ±% | 208Pb /206Pb | ±% | 206Pb /238U | ±% | 206Pb _c | ppm U | ppm Th | 4-corr ppm 206Pb | 4-corr ppm 208Pb | 232Th /238U | ±% | (1) 206Pb /238U Age | (2) 206Pb /238U Age | (3) 206Pb /238U Age | (1) 207Pb /206Pb Age | (1) 208Pb /232Th Age | (2) 208Pb /232Th Age | (3) 207Pb /206Pb Age | Di s- cor- dant | % | 7corr 208Pb /232Th | ±% | (1) 238U /206Pb | ±% | (1) 207Pb /206Pb | ±% | (1) 207Pb /235U | ±% | (1) 206Pb /238U | ±% | err corr | (3) 238U /206Pb | ±% | (3) 207Pb /206Pb | ±% | (3) 207Pb /235U | ±% | (3) 206Pb /238U | ±% | err. corr. |
|----------|-----------------|-----|-----------------|------|-----------------|------|----------------|-----|--------------------|----------|-----------|------------------------|------------------------|----------------|------|------------------------------|------------------------------|------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-----------------------|--------|--------------------------|-----|-----------------------|--------|------------------------|---------|-----------------------|----------|-----------------------|------|-------------|-----------------------|--------|------------------------|--------|-----------------------|----------|-----------------------|------|---------------|
| 176-1.1 | 1.5E-3 | 58 | 0.0677 | 5.6 | 0.274 | 6.7 | 0.00585 | 3.3 | 2.83 | 226 | 155 | 0.48 | 0.107 | 0.707 | 0.21 | 15.9 0.5 | 15.9 0.4 | 15.9 0.5 | -42 ±746 | 15.6 ±3 | 15.8 ±1 | 45.1 ±276 | +138 | 7.8E-4 | 8.6 | 405 | 2.9 | 0.0452 | 31 | 0.01542 | 31 | 0.002471 | 2.9 | 0.10 | 404 | 3.0 | 0.0469 | 11.5 | 0.0160 | 12.6 | 0.002476 | 3.0 | 0.46 | |
| 176-2.1 | 2.8E-3 | 45 | 0.0871 | 5.1 | 0.282 | 7.1 | 0.00606 | 2.0 | 5.18 | 202 | 109 | 0.41 | 0.077 | 0.557 | 0.24 | 15.3 0.7 | 15.3 0.5 | 15.3 0.6 | 5.4 ±1039 | 15.9 ±5 | 16.0 ±2 | -149 ±303 | -184 | 7.9E-4 | 11.1 | 420 | 4.3 | 0.0461 | 43 | 0.01516 | 43 | 0.002382 | 4.3 | 0.10 | 421 | 4.2 | 0.0433 | 12.2 | 0.0142 | 13.3 | 0.002374 | 4.2 | 0.40 | |
| 176-3.1 | 1.3E-3 | 71 | 0.0653 | 12.3 | 0.195 | 9.3 | 0.00557 | 3.5 | 2.39 | 190 | 99 | 0.40 | 0.061 | 0.536 | 0.26 | 15.9 0.4 | 15.9 0.4 | 16.1 0.4 | 19.7 ±827 | 14.0 ±4 | 13.9 ±2 | 420 ±328 | +19 | 6.9E-4 | 17.6 | 404 | 2.8 | 0.0464 | 34 | 0.01586 | 35 | 0.002477 | 2.8 | 0.08 | 399 | 2.6 | 0.0552 | 14.7 | 0.0191 | 15.5 | 0.002505 | 2.6 | 0.38 | |
| 176-4.1 | 1.5E-3 | 71 | 0.0740 | 6.7 | 0.224 | 9.2 | 0.00602 | 4.0 | 2.84 | 153 | 78 | 0.31 | 0.052 | 0.529 | 0.28 | 15.0 0.4 | 14.9 0.2 | 15.0 0.3 | 272 ±753 | 15.1 ±4 | 13.9 ±2 | 249 ±235 | +95 | 6.9E-4 | 13.2 | 429 | 2.5 | 0.0517 | 33 | 0.01661 | 33 | 0.002330 | 2.5 | 0.08 | 430 | 1.9 | 0.0512 | 10.2 | 0.0164 | 11.2 | 0.002328 | 1.9 | 0.60 | |
| 176-5.1 | 2.6E-3 | 50 | 0.0871 | 12.6 | 0.253 | 8.2 | 0.00588 | 3.6 | 4.93 | 182 | 97 | 0.37 | 0.059 | 0.549 | 0.26 | 15.0 0.7 | 15.0 0.6 | 15.1 0.7 | 111 ±1149 | 13.6 ±5 | 13.2 ±3 | 407 ±467 | +87 | 6.5E-4 | 22.3 | 429 | 4.4 | 0.0482 | 49 | 0.01552 | 49 | 0.002332 | 4.4 | 0.09 | 425 | 4.3 | 0.0549 | 20.9 | 0.0178 | 21.8 | 0.002352 | 4.3 | 0.32 | |
| 176-6.1 | 1.5E-3 | 71 | 0.0678 | 12.0 | 0.199 | 9.5 | 0.00512 | 3.9 | 2.78 | 184 | 91 | 0.38 | 0.056 | 0.510 | 0.27 | 15.5 0.7 | 15.5 0.6 | 15.6 0.7 | -13 ±952 | 13.9 ±4 | 14.0 ±3 | 313 ±359 | +219 | 7.0E-4 | 18.3 | 416 | 4.3 | 0.0458 | 39 | 0.01520 | 40 | 0.002407 | 4.3 | 0.11 | 412 | 4.3 | 0.0526 | 15.8 | 0.0176 | 16.7 | 0.002427 | 4.3 | 0.34 | |
| 176-7.1 | 7.5E-4 | 100 | 0.0596 | 7.2 | 0.194 | 16.1 | 0.00530 | 4.1 | 1.40 | 174 | 91 | 0.35 | 0.060 | 0.540 | 0.47 | 15.2 0.6 | 15.2 0.5 | 15.3 0.6 | 128 ±592 | 14.9 ±4 | 14.3 ±3 | 215 ±250 | +88 | 7.1E-4 | 18.2 | 422 | 3.7 | 0.0486 | 25 | 0.01586 | 25 | 0.002368 | 3.7 | 0.15 | 421 | 4.2 | 0.0504 | 10.8 | 0.0165 | 12.3 | 0.002373 | 4.2 | 0.52 | |
| 176-8.1 | 2.0E-3 | 58 | 0.0789 | 6.0 | 0.251 | 8.3 | 0.00526 | 2.2 | 3.76 | 201 | 111 | 0.43 | 0.078 | 0.574 | 0.25 | 16.0 0.5 | 15.9 0.3 | 16.0 0.4 | 160 ±876 | 15.7 ±4 | 15.1 ±2 | 220 ±245 | +90 | 7.5E-4 | 12.0 | 403 | 3.0 | 0.0493 | 37 | 0.01688 | 38 | 0.002484 | 3.0 | 0.08 | 402 | 2.5 | 0.0505 | 10.6 | 0.0173 | 11.7 | 0.002488 | 2.5 | 0.52 | |
| 176-9.1 | 7.8E-4 | 71 | 0.0594 | 5.2 | 0.289 | 5.7 | 0.00581 | 1.7 | 1.45 | 299 | 258 | 0.65 | 0.173 | 0.892 | 0.55 | 16.3 0.2 | 16.3 0.2 | 16.5 0.3 | 96.4 ±434 | 15.1 ±2 | 14.9 1.0 | 494 ±246 | +83 | 7.4E-4 | 6.6 | 394 | 1.5 | 0.0479 | 18 | 0.01677 | 18 | 0.002538 | 1.5 | 0.08 | 390 | 1.5 | 0.0571 | 11.2 | 0.0202 | 12.1 | 0.002567 | 1.5 | 0.67 | |
| 176-10.1 | 7.2E-4 | 100 | 0.0610 | 7.0 | 0.237 | 8.7 | 0.00529 | 3.7 | 1.34 | 171 | 100 | 0.37 | 0.079 | 0.602 | 0.26 | 16.2 0.6 | 16.2 0.6 | 16.1 0.7 | 214 ±530 | 17.9 ±3 | 17.0 ±2 | -235 ±321 | +93 | 8.4E-4 | 11.2 | 396 | 4.0 | 0.0504 | 23 | 0.01753 | 23 | 0.002522 | 4.0 | 0.17 | 401 | 4.4 | 0.0419 | 12.7 | 0.0144 | 13.8 | 0.002495 | 4.4 | 0.40 | |
| 176-11.1 | 9.4E-5 | 100 | 0.0498 | 2.7 | 0.295 | 4.4 | 0.00615 | 3.1 | 0.18 | 1132 | 1041 | 2.50 | 0.736 | 0.950 | 0.11 | 16.5 0.3 | 16.5 0.3 | 16.6 0.4 | 121 ±94 | 15.9 0.8 | 15.6 0.8 | 340 ±225 | +86 | 7.7E-4 | 4.9 | 390 | 1.9 | 0.0484 | 4 | 0.01715 | 4 | 0.002567 | 1.9 | 0.42 | 387 | 2.3 | 0.0533 | 9.9 | 0.0190 | 10.9 | 0.002583 | 2.3 | 0.50 | |
| 176-12.1 | 6.8E-4 | 100 | 0.0579 | 6.9 | 0.201 | 15.4 | 0.00513 | 2.3 | 1.27 | 183 | 95 | 0.41 | 0.073 | 0.534 | 0.26 | 16.6 0.3 | 16.6 0.2 | 16.6 0.3 | 91.4 ±542 | 17.3 ±4 | 16.9 ±3 | -59 ±271 | +82 | 8.4E-4 | 16.8 | 387 | 1.6 | 0.0478 | 23 | 0.01702 | 23 | 0.002581 | 1.6 | 0.07 | 389 | 1.9 | 0.0449 | 11.1 | 0.0159 | 12.7 | 0.002571 | 1.9 | 0.85 | |
| 176-13.1 | 2.4E-3 | 58 | 0.0883 | 6.4 | 0.212 | 9.9 | 0.00540 | 2.4 | 4.48 | 154 | 71 | 0.32 | 0.041 | 0.476 | 0.30 | 15.7 0.7 | 15.6 0.5 | 16.0 0.6 | 337 ±938 | 13.0 ±6 | 11.2 ±2 | 734 ±194 | +95 | 5.5E-4 | 20.1 | 409 | 4.2 | 0.0532 | 41 | 0.01792 | 42 | 0.002444 | 4.2 | 0.10 | 404 | 3.8 | 0.0638 | 9.2 | 0.0218 | 10.2 | 0.002478 | 3.8 | 0.45 | |
| 176-14.1 | 8.3E-3 | 30 | 0.1732 | 4.8 | 0.464 | 6.4 | 0.00645 | 2.4 | 15.53 | 136 | 63 | 0.29 | 0.050 | 0.480 | 0.31 | 16.1 1.0 | 16.0 0.4 | 15.9 0.6 | 250 ±2011 | 17.8 ±12 | 16.5 ±4 | -90 ±536 | +94 | 8.2E-4 | 23.3 | 401 | 6.1 | 0.0512 | 87 | 0.01762 | 88 | 0.002496 | 6.1 | 0.07 | 404 | 3.7 | 0.0444 | 21.9 | 0.0151 | 23.7 | 0.002474 | 3.7 | 0.56 | |
| 176-15.1 | 1.9E-3 | 71 | 0.0739 | 7.3 | 0.199 | 10.8 | 0.00575 | 2.7 | 3.54 | 121 | 48 | 0.25 | 0.033 | 0.408 | 0.38 | 15.4 0.6 | 15.4 0.4 | 15.4 0.5 | -7 ±1119 | 15.5 ±7 | 15.6 ±3 | -19 ±290 | +320 | 7.7E-4 | 16.7 | 417 | 3.7 | 0.0459 | 46 | 0.01517 | 47 | 0.002396 | 3.7 | 0.08 | 418 | 3.1 | 0.0457 | 12.0 | 0.0151 | 13.1 | 0.002395 | 3.1 | 0.44 | |
| 176-16.1 | 6.3E-4 | 71 | 0.0589 | 8.8 | 0.354 | 4.7 | 0.00551 | 2.7 | 1.18 | 391 | 409 | 0.83 | 0.279 | 1.082 | 0.16 | 15.9 0.5 | 15.8 0.4 | 16.0 0.6 | 179 ±398 | 15.4 ±1 | 15.0 ±1 | 395 ±424 | +91 | 7.4E-4 | 6.9 | 406 | 2.9 | 0.0497 | 17 | 0.01687 | 17 | 0.002463 | 2.9 | 0.17 | 403 | 3.5 | 0.0546 | 18.9 | 0.0187 | 20.1 | 0.002479 | 3.5 | 0.42 | |

Errors are 1-sigma; Pb and Pb' indicate the common and radiogenic portions, respectively.
 Error in Standard calibration was 0.21% (not included in above errors but required when comparing data from different mounts).
 (1) Common Pb corrected using measured 204Pb.
 (2) Common Pb corrected by assuming 206Pb/238U-207Pb/235U age-concordance
 (3) Common Pb corrected by assuming 206Pb/238U-208Pb/232Th age-concordance

| Spot | 204Pb /206Pb | ±% | 207Pb /206Pb | ±% | 208Pb /206Pb | ±% | 206Pb /238U | ±% | 206Pb _c | ppm U | ppm Th | 4-corr ppm 206Pb | 4-corr ppm 208Pb | 232Th /238U | ±% | (1) 206Pb /238U Age | (2) 206Pb /238U Age | (3) 206Pb /238U Age | (1) 207Pb /206Pb Age | (1) 208Pb /232Th Age | (2) 208Pb /232Th Age | (3) 207Pb /206Pb Age | Dis- cor- dant | % | 7corr 208Pb /232Th | ±% | (1) 238U /206Pb | ±% | (1) 207Pb /206Pb | ±% | (1) 207Pb /235U | ±% | (1) 206Pb /238U | ±% | err corr | (3) 238U /206Pb | ±% | (3) 207Pb /206Pb | ±% | (3) 207Pb /235U | ±% | (3) 206Pb /238U | ±% | err. corr. |
|----------|-----------------|-----|-----------------|-----|-----------------|-----|----------------|-----|--------------------|----------|-----------|------------------------|------------------------|----------------|------|------------------------------|------------------------------|------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|----------------------|--------|--------------------------|-----|-----------------------|--------|------------------------|---------|-----------------------|----------|-----------------------|------|-------------|-----------------------|--------|------------------------|--------|-----------------------|----------|-----------------------|------|---------------|
| 201-1.1 | 9.4E-4 | 58 | 0.0605 | 4.7 | 0.189 | 6.3 | 0.00511 | 1.5 | 1.76 | 406 | 170 | 0.85 | 0.133 | 0.432 | 0.20 | 15.6 0.3 | 15.6 0.3 | 15.5 0.4 | 32.0 ±445 | 17.6 ±3 | 17.5 ±1 | -383 ±194 | +51 | 8.7E-4 | 8.4 | 412 | 2.2 | 0.0467 | 19 | 0.01563 | 19 | 0.002429 | 2.2 | 0.12 | 415 | 2.3 | 0.0395 | 7.5 | 0.0131 | 8.0 | 0.002407 | 2.3 | 0.39 | |
| 201-2.1 | 3.8E-4 | 71 | 0.0528 | 7.4 | 0.235 | 4.4 | 0.00625 | 1.2 | 0.71 | 574 | 355 | 1.21 | 0.271 | 0.639 | 0.15 | 15.8 0.2 | 15.8 0.2 | 15.6 0.2 | 58.1 ±285 | 17.2 ±1 | 17.0 ±1 | -397 ±283 | +73 | 8.4E-4 | 6.5 | 408 | 1.3 | 0.0472 | 12 | 0.01593 | 12 | 0.002450 | 1.3 | 0.11 | 412 | 1.5 | 0.0393 | 10.9 | 0.0131 | 11.4 | 0.002425 | 1.5 | 0.39 | |
| 201-3.1 | 6.5E-4 | 58 | 0.0580 | 4.0 | 0.208 | 4.9 | 0.00657 | 2.5 | 1.21 | 480 | 292 | 1.01 | 0.189 | 0.628 | 0.26 | 15.7 0.4 | 15.7 0.3 | 15.9 0.4 | 121 ±294 | 14.6 ±1 | 14.2 0.9 | 393 ±118 | +87 | 7.0E-4 | 6.4 | 409 | 2.3 | 0.0484 | 12 | 0.01632 | 13 | 0.002444 | 2.3 | 0.18 | 406 | 2.5 | 0.0545 | 5.3 | 0.0185 | 5.8 | 0.002463 | 2.5 | 0.43 | |
| 201-4.1 | 1.2E-3 | 58 | 0.0663 | 5.0 | 0.201 | 6.9 | 0.00574 | 3.8 | 2.25 | 294 | 178 | 0.60 | 0.096 | 0.625 | 0.31 | 15.3 0.4 | 15.3 0.4 | 15.7 0.4 | 128 ±534 | 12.1 ±2 | 11.7 ±1 | 797 ±126 | +88 | 5.8E-4 | 9.7 | 420 | 2.8 | 0.0486 | 23 | 0.01595 | 23 | 0.002381 | 2.8 | 0.12 | 411 | 2.9 | 0.0657 | 6.0 | 0.0221 | 6.8 | 0.002434 | 2.9 | 0.46 | |
| 201-5.1 | 6.3E-4 | 71 | 0.0555 | 4.8 | 0.196 | 6.2 | 0.00540 | 1.7 | 1.17 | 384 | 203 | 0.80 | 0.139 | 0.546 | 0.19 | 15.5 0.3 | 15.5 0.3 | 15.5 0.3 | 9.6 ±372 | 15.5 ±2 | 15.5 ±1 | 20.7 ±153 | -62 | 7.7E-4 | 7.7 | 414 | 1.8 | 0.0462 | 15 | 0.01539 | 16 | 0.002414 | 1.8 | 0.12 | 414 | 1.9 | 0.0464 | 6.4 | 0.0155 | 7.0 | 0.002415 | 1.9 | 0.45 | |
| 201-6.1 | 5.3E-4 | 71 | 0.0540 | 4.4 | 0.215 | 5.5 | 0.00523 | 2.4 | 0.99 | 470 | 292 | 0.97 | 0.194 | 0.642 | 0.40 | 15.5 0.3 | 15.5 0.3 | 15.6 0.4 | 4.4 ±319 | 15.0 ±1 | 15.0 ±1 | 165 ±148 | -252 | 7.4E-4 | 6.7 | 415 | 2.2 | 0.0461 | 13 | 0.01534 | 13 | 0.002412 | 2.2 | 0.16 | 413 | 2.4 | 0.0494 | 6.3 | 0.0165 | 7.0 | 0.002422 | 2.4 | 0.43 | |
| 201-7.1 | 1.8E-4 | 100 | 0.0495 | 3.9 | 0.244 | 4.2 | 0.00596 | 2.6 | 0.34 | 611 | 412 | 1.31 | 0.314 | 0.696 | 0.15 | 16.1 0.3 | 16.1 0.2 | 15.9 0.3 | 38.1 ±170 | 17.2 0.9 | 17.1 0.9 | -342 ±181 | +58 | 8.5E-4 | 5.0 | 401 | 1.6 | 0.0468 | 7 | 0.01609 | 7 | 0.002495 | 1.6 | 0.22 | 404 | 1.8 | 0.0401 | 7.0 | 0.0137 | 7.6 | 0.002474 | 1.8 | 0.43 | |
| 201-8.1 | 1.6E-4 | 100 | 0.0502 | 3.6 | 0.254 | 4.0 | 0.00553 | 1.1 | 0.31 | 623 | 442 | 1.30 | 0.328 | 0.734 | 0.31 | 15.7 0.2 | 15.7 0.2 | 15.6 0.2 | 87.7 ±150 | 16.7 0.8 | 16.5 0.8 | -273 ±179 | +82 | 8.1E-4 | 4.6 | 410 | 1.3 | 0.0478 | 6 | 0.01605 | 6 | 0.002438 | 1.3 | 0.20 | 414 | 1.5 | 0.0412 | 7.0 | 0.0137 | 7.6 | 0.002418 | 1.5 | 0.47 | |
| 201-9.1 | 5.9E-4 | 71 | 0.0559 | 4.6 | 0.185 | 6.2 | 0.00539 | 2.8 | 1.10 | 417 | 219 | 0.89 | 0.148 | 0.543 | 0.18 | 16.1 0.4 | 16.0 0.4 | 16.1 0.4 | 60.2 ±339 | 15.2 ±2 | 15.0 ±1 | 240 ±133 | +73 | 7.4E-4 | 7.9 | 401 | 2.5 | 0.0472 | 14 | 0.01623 | 14 | 0.002494 | 2.5 | 0.18 | 399 | 2.7 | 0.0510 | 5.8 | 0.0176 | 6.3 | 0.002505 | 2.7 | 0.42 | |
| 201-10.1 | 5.7E-4 | 71 | 0.0544 | 4.6 | 0.230 | 5.4 | 0.00590 | 2.6 | 1.07 | 407 | 232 | 0.83 | 0.176 | 0.588 | 0.30 | 15.3 0.2 | 15.3 0.2 | 15.1 0.2 | -3 ±344 | 17.1 ±2 | 17.2 ±1 | -597 ±226 | +627 | 8.5E-4 | 6.4 | 422 | 1.5 | 0.0460 | 14 | 0.01504 | 14 | 0.002372 | 1.5 | 0.11 | 427 | 1.7 | 0.0364 | 8.3 | 0.0118 | 9.0 | 0.002344 | 1.7 | 0.48 | |
| 201-11.1 | 8.8E-4 | 58 | 0.0625 | 4.4 | 0.190 | 6.2 | 0.00633 | 4.0 | 1.64 | 366 | 202 | 0.77 | 0.124 | 0.569 | 0.32 | 15.8 0.5 | 15.8 0.5 | 16.0 0.5 | 175 ±380 | 13.8 ±2 | 13.1 ±1 | 567 ±124 | +91 | 6.5E-4 | 8.7 | 407 | 3.2 | 0.0496 | 16 | 0.01680 | 17 | 0.002458 | 3.2 | 0.19 | 402 | 3.4 | 0.0590 | 5.7 | 0.0202 | 6.3 | 0.002488 | 3.4 | 0.45 | |
| 201-12.1 | 1.3E-3 | 45 | 0.0660 | 4.0 | 0.200 | 5.6 | 0.00615 | 1.4 | 2.42 | 429 | 231 | 0.87 | 0.135 | 0.556 | 0.50 | 15.3 0.3 | 15.3 0.2 | 15.5 0.2 | 43.3 ±467 | 13.2 ±2 | 13.1 ±1.0 | 479 ±111 | +65 | 6.5E-4 | 7.6 | 421 | 1.7 | 0.0469 | 20 | 0.01535 | 20 | 0.002374 | 1.7 | 0.09 | 416 | 1.5 | 0.0567 | 5.0 | 0.0188 | 5.6 | 0.002404 | 1.5 | 0.49 | |
| 201-13.1 | --- | 100 | 0.0497 | 5.4 | 0.197 | 6.4 | 0.00566 | 3.3 | 0.00 | 364 | 198 | 0.74 | 0.148 | 0.562 | 0.19 | 15.3 0.4 | 15.2 0.4 | 15.1 0.4 | 181 ±126 | 16.8 ±1 | 16.1 ±1 | -222 ±187 | +92 | 8.0E-4 | 7.7 | 422 | 2.3 | 0.0497 | 5 | 0.01626 | 6 | 0.002372 | 2.3 | 0.40 | 426 | 2.7 | 0.0421 | 7.4 | 0.0136 | 8.1 | 0.002350 | 2.7 | 0.40 | |
| 201-14.1 | 5.2E-4 | 71 | 0.0564 | 8.5 | 0.172 | 6.1 | 0.00557 | 1.4 | 0.97 | 479 | 253 | 1.04 | 0.162 | 0.546 | 0.18 | 16.3 0.3 | 16.3 0.3 | 16.5 0.4 | 138 ±350 | 14.4 ±2 | 13.8 ±1 | 501 ±185 | +88 | 6.8E-4 | 10.7 | 394 | 2.1 | 0.0488 | 15 | 0.01706 | 15 | 0.002535 | 2.1 | 0.14 | 390 | 2.2 | 0.0573 | 8.4 | 0.0202 | 8.9 | 0.002563 | 2.2 | 0.35 | |
| 201-15.1 | 5.5E-4 | 71 | 0.0570 | 4.4 | 0.183 | 6.0 | 0.00631 | 1.4 | 1.03 | 400 | 212 | 0.88 | 0.145 | 0.546 | 0.19 | 16.4 0.2 | 16.4 0.1 | 16.5 0.2 | 141 ±305 | 15.4 ±2 | 14.8 ±1 | 348 ±113 | +88 | 7.3E-4 | 7.5 | 392 | 1.1 | 0.0489 | 13 | 0.01721 | 13 | 0.002554 | 1.1 | 0.09 | 389 | 1.1 | 0.0534 | 5.0 | 0.0189 | 5.5 | 0.002569 | 1.1 | 0.57 | |
| 201-16.1 | 5.1E-4 | 71 | 0.0563 | 7.5 | 0.184 | 5.9 | 0.00592 | 2.3 | 0.95 | 461 | 256 | 0.98 | 0.164 | 0.575 | 0.17 | 16.0 0.3 | 15.9 0.3 | 16.1 0.3 | 139 ±329 | 14.4 ±2 | 13.9 ±1 | 455 ±170 | +89 | 6.9E-4 | 9.3 | 403 | 1.7 | 0.0488 | 14 | 0.01670 | 14 | 0.002482 | 1.7 | 0.12 | 399 | 1.8 | 0.0561 | 7.7 | 0.0194 | 8.2 | 0.002505 | 1.8 | 0.39 | |

Errors are 1-sigma; Pb_c and Pb_r indicate the common and radiogenic portions, respectively.
Error in Standard calibration was 0.21% (not included in above errors but required when comparing data from different mounts).
(1) Common Pb corrected using measured 204Pb.
(2) Common Pb corrected by assuming 206Pb/238U-207Pb/235U age-concordance
(3) Common Pb corrected by assuming 206Pb/238U-208Pb/232Th age-concordance

| Spot | 204Pb /206Pb | ±% | 207Pb /206Pb | ±% | 208Pb /206Pb | ±% | 206Pb /238U | ±% | 206Pb _c | ppm U | ppm Th | 4-corr ppm 206Pb* | 4-corr ppm 208Pb* | 232Th /238U | ±% | (1) 206Pb /238U Age | (2) 206Pb /238U Age | (3) 206Pb /238U Age | (1) 207Pb /206Pb Age | (1) 208Pb /232Th Age | (2) 208Pb /232Th Age | (3) 207Pb /206Pb Age | % Di s- cor- dant | 7corr 208Pb* /232Th | ±% | (1) 238U /206Pb* | ±% | (1) 207Pb* /206Pb* | ±% | (1) 207Pb* /235U | ±% | (1) 206Pb* /238U | ±% | err corr | (3) 238U /206Pb* | ±% | (3) 207Pb* /206Pb* | ±% | (3) 207Pb* /235U | ±% | (3) 206Pb* /238U | ±% | err. corr. |
|----------|-----------------|-----|-----------------|------|-----------------|------|----------------|------|--------------------|----------|-----------|-------------------------|-------------------------|----------------|------|------------------------------|------------------------------|------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|----------------------------|---------------------------|------|------------------------|------|--------------------------|-----|------------------------|-----|------------------------|------|-------------|------------------------|------|--------------------------|-----|------------------------|-----|------------------------|------|---------------|
| 229-1.1 | 2.5E-3 | 33 | 0.0966 | 9.4 | 0.530 | 3.6 | 0.00610 | 1.5 | 4.63 | 421 | 579 | 0.90 | 0.42 | 1.42 | 0.81 | 16.1 0.5 | 15.8 0.5 | 16.1 0.6 | 628 ±560 | 16.2 ±1 | 14.9 ±1 | 579 ±817 | +98 | 7.4E-4 | 7.6 | 400 | 3.1 | 0.0607 | 26 | 0.0209 | 26 | 0.002500 | 3.1 | 0.12 | 401 | 3.9 | 0.0593 | 38 | 0.0204 | 39 | 0.002496 | 3.9 | 0.42 |
| 229-2.1 | 2.3E-2 | 60 | 0.3323 | 11.0 | 0.931 | 13.9 | 0.00462 | 11.9 | 42.65 | 201 | 229 | 0.69 | 0.06 | 1.18 | 1.63 | 25.7 ±10 | 28.7 ±4 | 30.1 ±8 | -156 ±15064 | 5.9 ±53 | 22.0 ±16 | 1326 ±2943 | +117 | 1.1E-3 | 74.3 | 250 | 39.1 | 0.0432 | 606 | 0.0238 | 608 | 0.004001 | 39.1 | 0.06 | 213 | 25.3 | 0.0854 | 152 | 0.0552 | 168 | 0.004685 | 25.3 | 0.68 |
| 229-3.1 | 3.0E-2 | 6 | 0.4944 | 1.2 | 1.467 | 1.5 | 0.01247 | 0.9 | 56.90 | 663 | 1346 | 1.49 | 1.02 | 2.10 | 0.47 | 16.9 ±1 | 17.0 ±4 | 16.8 ±2 | -201 ±3877 | 17.1 ±4 | 17.3 ±1 | -483 ±9090 | +109 | 8.6E-4 | 8.1 | 382 | 8.3 | 0.0424 | 155 | 0.0153 | 155 | 0.002620 | 8.3 | 0.05 | 384 | 9.1 | 0.0380 | 343 | 0.0137 | 350 | 0.002606 | 9.1 | 0.81 |
| 229-4.1 | 5.5E-4 | 100 | 0.0563 | 6.5 | 0.450 | 6.2 | 0.00466 | 2.3 | 1.03 | 241 | 266 | 0.52 | 0.23 | 1.14 | 0.32 | 16.2 0.6 | 16.1 0.6 | 15.5 0.7 | 109 ±440 | 19.3 ±2 | 19.1 ±1 | 380 ±601 | +85 | 9.5E-4 | 7.5 | 398 | 3.6 | 0.0482 | 19 | 0.0167 | 19 | 0.002510 | 3.6 | 0.19 | 416 | 4.8 | 0.0141 | 134 | 0.0047 | 136 | 0.002406 | 4.8 | 0.46 |
| 229-5.1 | --- | --- | 0.0509 | 8.2 | 0.333 | 8.1 | 0.00505 | 2.5 | 0.00 | 159 | 165 | 0.33 | 0.11 | 1.07 | 0.22 | 15.3 0.4 | 15.2 0.4 | 15.4 0.5 | 238 ±189 | 15.0 ±1 | 14.4 ±1 | 380 ±601 | +94 | 7.1E-4 | 9.1 | 421 | 2.4 | 0.0509 | 8 | 0.0167 | 9 | 0.002378 | 2.4 | 0.28 | 419 | 3.3 | 0.0542 | 27 | 0.0179 | 29 | 0.002388 | 3.3 | 0.59 |
| 229-6.1 | 6.7E-4 | 100 | 0.0600 | 6.8 | 0.356 | 6.9 | 0.00452 | 2.3 | 1.25 | 218 | 230 | 0.45 | 0.15 | 1.09 | 0.20 | 15.5 0.5 | 15.4 0.5 | 15.6 0.6 | 206 ±496 | 14.9 ±2 | 14.4 ±1 | 451 ±549 | +93 | 7.1E-4 | 8.3 | 417 | 3.4 | 0.0502 | 21 | 0.0166 | 22 | 0.002400 | 3.4 | 0.16 | 414 | 4.1 | 0.0560 | 25 | 0.0187 | 27 | 0.002418 | 4.1 | 0.51 |
| 229-7.1 | 4.0E-4 | 100 | 0.0552 | 5.5 | 0.382 | 5.1 | 0.00511 | 3.5 | 0.75 | 322 | 334 | 0.70 | 0.26 | 1.07 | 0.19 | 16.3 0.3 | 16.2 0.3 | 16.0 0.4 | 163 ±317 | 17.6 ±1 | 17.2 ±1 | -610 ±838 | +90 | 8.5E-4 | 5.9 | 396 | 1.9 | 0.0493 | 14 | 0.0172 | 14 | 0.002526 | 1.9 | 0.14 | 402 | 2.5 | 0.0363 | 31 | 0.0124 | 32 | 0.002485 | 2.5 | 0.58 |
| 229-8.1 | 6.1E-4 | 58 | 0.0576 | 3.8 | 0.730 | 2.7 | 0.00540 | 2.3 | 1.14 | 551 | 1182 | 1.24 | 0.90 | 2.22 | 0.55 | 16.9 0.3 | 16.9 0.2 | 16.8 0.5 | 127 ±277 | 17.1 0.6 | 17.0 0.6 | -117 ±3405 | +87 | 8.4E-4 | 3.3 | 380 | 1.6 | 0.0486 | 12 | 0.0176 | 12 | 0.002629 | 1.6 | 0.13 | 383 | 2.8 | 0.0439 | 138 | 0.0158 | 140 | 0.002613 | 2.8 | 0.75 |
| 229-9.1 | --- | --- | 0.0498 | 5.9 | 0.398 | 5.3 | 0.00543 | 3.5 | --- | 251 | 319 | 0.55 | 0.22 | 1.31 | 0.17 | 16.5 0.1 | 16.4 0.2 | 16.7 0.3 | 185 ±138 | 15.7 0.8 | 15.3 0.9 | 583 ±644 | +91 | 7.6E-4 | 5.7 | 391 | 0.9 | 0.0498 | 6 | 0.0176 | 6 | 0.002558 | 0.9 | 0.14 | 386 | 1.7 | 0.0594 | 30 | 0.0212 | 31 | 0.002590 | 1.7 | 0.82 |
| 229-10.1 | --- | --- | 0.0490 | 5.0 | 0.531 | 3.8 | 0.00553 | 1.5 | 0.00 | 388 | 621 | 0.84 | 0.45 | 1.65 | 0.40 | 16.2 0.3 | 16.2 0.3 | 16.2 0.4 | 148 ±117 | 16.4 0.7 | 16.2 0.7 | 38.0 ±1499 | +89 | 8.0E-4 | 4.3 | 397 | 1.6 | 0.0490 | 5 | 0.0170 | 5 | 0.002521 | 1.6 | 0.31 | 398 | 2.6 | 0.0468 | 63 | 0.0162 | 64 | 0.002514 | 2.6 | 0.66 |
| 229-11.1 | 5.1E-4 | 100 | 0.0582 | 5.9 | 0.405 | 5.6 | 0.00475 | 2.0 | 0.95 | 267 | 330 | 0.60 | 0.24 | 1.28 | 0.17 | 16.9 0.4 | 16.8 0.3 | 17.1 0.5 | 230 ±377 | 16.2 ±1 | 15.7 ±1 | 557 ±666 | +93 | 7.8E-4 | 6.4 | 380 | 2.2 | 0.0508 | 16 | 0.0184 | 16 | 0.002628 | 2.2 | 0.13 | 377 | 2.8 | 0.0587 | 31 | 0.0215 | 32 | 0.002655 | 2.8 | 0.63 |
| 229-12.1 | 2.0E-4 | 100 | 0.0512 | 3.9 | 0.579 | 3.0 | 0.00523 | 3.7 | 0.36 | 611 | 1135 | 1.30 | 0.75 | 1.92 | 0.24 | 16.0 0.3 | 15.9 0.3 | 16.4 0.4 | 115 ±171 | 15.0 0.5 | 14.8 0.5 | 883 ±1041 | +86 | 7.3E-4 | 3.5 | 403 | 1.7 | 0.0483 | 7 | 0.0165 | 7 | 0.002479 | 1.7 | 0.23 | 393 | 2.7 | 0.0685 | 50 | 0.0240 | 52 | 0.002544 | 2.7 | 0.65 |
| 229-13.1 | 2.9E-4 | 100 | 0.0498 | 4.9 | 0.470 | 4.0 | 0.00465 | 1.5 | 0.54 | 441 | 617 | 0.94 | 0.44 | 1.45 | 0.39 | 16.0 0.3 | 16.0 0.3 | 16.0 0.5 | -26 ±264 | 16.0 0.8 | 16.1 0.8 | -17 ±1064 | +162 | 8.0E-4 | 4.7 | 402 | 2.1 | 0.0456 | 11 | 0.0156 | 11 | 0.002489 | 2.1 | 0.19 | 402 | 2.9 | 0.0457 | 44 | 0.0157 | 46 | 0.002490 | 2.9 | 0.56 |
| 229-14.1 | 1.2E-3 | 41 | 0.0650 | 7.1 | 0.525 | 3.1 | 0.00527 | 3.7 | 2.28 | 534 | 762 | 1.14 | 0.56 | 1.47 | 0.28 | 16.0 0.4 | 16.0 0.4 | 15.8 0.6 | 47.9 ±453 | 16.7 1.0 | 16.6 0.8 | -558 ±1415 | +67 | 8.2E-4 | 4.8 | 402 | 2.8 | 0.0470 | 19 | 0.0161 | 19 | 0.002487 | 2.8 | 0.15 | 407 | 3.8 | 0.0370 | 53 | 0.0125 | 54 | 0.002456 | 3.8 | 0.42 |
| 229-15.1 | -2.8E-4 | 100 | 0.0465 | 4.9 | 0.389 | 4.2 | 0.00528 | 2.7 | --- | 396 | 488 | 0.85 | 0.34 | 1.27 | 0.53 | 16.0 0.4 | 15.9 0.4 | 16.1 0.5 | 222 ±211 | 15.7 0.9 | 15.3 0.8 | 379 ±526 | +93 | 7.6E-4 | 5.0 | 402 | 2.3 | 0.0506 | 9 | 0.0174 | 9 | 0.002489 | 2.3 | 0.24 | 400 | 2.9 | 0.0542 | 23 | 0.0187 | 25 | 0.002500 | 2.9 | 0.51 |
| 229-16.1 | 4.1E-4 | 100 | 0.0523 | 5.6 | 0.429 | 4.9 | 0.00494 | 2.9 | 0.76 | 292 | 373 | 0.60 | 0.25 | 1.32 | 0.16 | 15.5 0.3 | 15.5 0.3 | 15.5 0.4 | 14.0 ±349 | 15.4 1.0 | 15.4 0.8 | 104 ±900 | -10 | 7.6E-4 | 5.5 | 415 | 1.9 | 0.0463 | 15 | 0.0154 | 15 | 0.002407 | 1.9 | 0.13 | 415 | 2.5 | 0.0481 | 38 | 0.0160 | 40 | 0.002412 | 2.5 | 0.64 |
| 229-17.1 | --- | --- | 0.0527 | 12.8 | 0.463 | 5.7 | 0.00486 | 2.1 | --- | 201 | 263 | 0.43 | 0.20 | 1.35 | 0.18 | 15.9 0.4 | 15.8 0.4 | 15.6 0.5 | 317 ±291 | 17.2 ±1 | 16.5 ±1 | -574 ±1882 | +95 | 8.2E-4 | 7.3 | 404 | 2.3 | 0.0527 | 13 | 0.0180 | 13 | 0.002477 | 2.3 | 0.17 | 412 | 3.4 | 0.0368 | 70 | 0.0123 | 72 | 0.002427 | 3.4 | 0.57 |
| 229-18.1 | 6.1E-4 | 100 | 0.0604 | 6.5 | 0.342 | 6.6 | 0.00549 | 4.0 | 1.15 | 169 | 188 | 0.36 | 0.12 | 1.15 | 0.32 | 16.2 0.4 | 16.1 0.4 | 16.6 0.5 | 257 ±445 | 14.2 ±1 | 13.6 ±1 | 973 ±397 | +94 | 6.7E-4 | 7.8 | 398 | 2.6 | 0.0514 | 19 | 0.0178 | 20 | 0.002510 | 2.6 | 0.13 | 388 | 3.1 | 0.0716 | 19 | 0.0254 | 21 | 0.002577 | 3.1 | 0.58 |
| 229-19.1 | 5.1E-4 | 100 | 0.0563 | 6.1 | 0.367 | 5.9 | 0.00528 | 2.1 | 0.95 | 223 | 242 | 0.48 | 0.17 | 1.12 | 0.42 | 16.2 0.6 | 16.2 0.6 | 16.3 0.7 | 137 ±402 | 15.9 ±1 | 15.6 ±1 | 284 ±576 | +88 | 7.7E-4 | 7.3 | 397 | 3.5 | 0.0488 | 17 | 0.0170 | 17 | 0.002521 | 3.5 | 0.20 | 395 | 4.4 | 0.0520 | 25 | 0.0181 | 27 | 0.002531 | 4.4 | 0.48 |
| 229-20.1 | -2.4E-4 | 100 | 0.0502 | 4.6 | 0.292 | 4.5 | 0.00569 | 2.1 | --- | 420 | 387 | 0.89 | 0.27 | 0.95 | 1.00 | 15.9 0.2 | 15.8 0.2 | 15.9 0.3 | 361 ±177 | 15.7 0.9 | 14.7 0.8 | 424 ±236 | +96 | 7.3E-4 | 5.3 | 405 | 1.5 | 0.0538 | 8 | 0.0183 | 8 | 0.002471 | 1.5 | 0.19 | 404 | 1.8 | 0.0553 | 11 | 0.0189 | 11 | 0.002476 | 1.8 | 0.54 |

Errors are 1-sigma. Pb_c and Pb* indicate the common and radiogenic portions, respectively.
 Error in Standard calibration was 0.32% (not included in above errors but required when comparing data from different mounts).
 (1) Common Pb corrected using measured 204Pb.
 (2) Common Pb corrected by assuming 206Pb/238U-207Pb/235U age-concordance
 (3) Common Pb corrected by assuming 206Pb/238U-208Pb/232Th age-concordance

| Spot | 204Pb /206Pb | ±% | 207Pb /206Pb | ±% | 208Pb /206Pb | ±% | 206Pb /238U | ±% | 206Pb _c | ppm U | ppm Th | 4-corr ppm 206Pb' | 4-corr ppm 208Pb' | 232Th /238U | ±% | (1) 206Pb /238U Age | (2) 206Pb /238U Age | (3) 206Pb /238U Age | (1) 207Pb /206Pb Age | (1) 208Pb /232Th Age | (2) 208Pb /232Th Age | (3) 207Pb /206Pb Age | Di s- cor- dant | % | 7corr 208Pb' /232Th | ±% | (1) 238U /206Pb' | ±% | (1) 207Pb' /206Pb' | ±% | (1) 207Pb' /235U | ±% | (1) 206Pb' /238U | ±% | err corr | (3) 238U /206Pb' | ±% | (3) 207Pb' /206Pb' | ±% | (3) 207Pb' /235U | ±% | (3) 206Pb' /238U | ±% | err. corr. |
|----------|-----------------|-----|-----------------|------|-----------------|------|----------------|------|--------------------|----------|-----------|-------------------------|-------------------------|----------------|------|------------------------------|------------------------------|------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-----------------------|---------|---------------------------|-----|------------------------|--------|--------------------------|---------|------------------------|----------|------------------------|------|-------------|------------------------|--------|--------------------------|--------|------------------------|----------|------------------------|------|---------------|
| 308-1.1 | ---- | --- | 0.0509 | 6.0 | 0.206 | 7.5 | 0.00398 | 1.8 | -- | 424 | 198 | 0.85 | 0.176 | 0.48 | 0.21 | 15.0 0.3 | 14.9 0.3 | 14.6 0.3 | 235 ±139 | 20.0 ±2 | 18.8 ±2 | 891 ±290 | +88 | 9.3E-4 | 8.7 | 430 | 1.8 | 0.0509 | 6 | 0.01630 | 6 | 0.002324 | 1.8 | 0.28 | 442 | 2.1 | 0.0290 | 12 | 0.0090 | 12 | 0.002261 | 2.1 | 0.45 | |
| 308-2.1 | 2.4E-3 | 71 | 0.0842 | 8.4 | 0.278 | 10.7 | 0.00472 | 3.0 | 4.53 | 122 | 89 | 0.25 | 0.049 | 0.76 | 0.29 | 15.3 0.6 | 15.3 0.3 | 15.7 0.4 | 127 ±1329 | 12.3 ±5 | 11.9 ±2 | 891 ±290 | +88 | 5.9E-4 | 15.8 | 420 | 3.7 | 0.0486 | 56 | 0.01595 | 57 | 0.002381 | 3.7 | 0.06 | 409 | 2.4 | 0.0688 | 14 | 0.0232 | 16 | 0.002444 | 2.4 | 0.70 | |
| 308-3.1 | 1.5E-3 | 100 | 0.0793 | 15.5 | 0.292 | 11.9 | 0.00583 | 7.1 | 2.85 | 78 | 46 | 0.16 | 0.039 | 0.61 | 0.37 | 15.4 ±1 | 15.2 ±1 | 15.0 ±2 | 495 ±1009 | 19.0 ±6 | 16.8 ±4 | -508 ±986 | +97 | 8.3E-4 | 21.9 | 418 | 9.0 | 0.0571 | 46 | 0.01881 | 47 | 0.002390 | 9.0 | 0.19 | 429 | 10.2 | 0.0377 | 37 | 0.0121 | 39 | 0.002331 | 10.2 | 0.32 | |
| 308-4.1 | 3.2E-3 | 71 | 0.1050 | 13.7 | 0.359 | 10.8 | 0.00529 | 5.6 | 5.99 | 90 | 59 | 0.18 | 0.046 | 0.68 | 1.02 | 15.0 ±1 | 14.8 ±1 | 14.8 ±1 | 543 ±1436 | 17.5 ±7 | 15.3 ±4 | -146 ±981 | +97 | 7.6E-4 | 23.4 | 428 | 7.9 | 0.0583 | 66 | 0.01879 | 66 | 0.002335 | 7.9 | 0.12 | 436 | 8.3 | 0.0434 | 40 | 0.0137 | 42 | 0.002291 | 8.3 | 0.36 | |
| 308-5.1 | 3.7E-3 | 50 | 0.1042 | 6.2 | 0.446 | 7.2 | 0.00575 | 4.5 | 6.85 | 128 | 113 | 0.26 | 0.085 | 0.91 | 0.26 | 15.1 0.8 | 15.0 0.6 | 14.8 0.8 | 210 ±1371 | 16.9 ±4 | 16.4 ±2 | -786 ±1231 | +93 | 8.1E-4 | 10.6 | 428 | 5.3 | 0.0503 | 59 | 0.01623 | 59 | 0.002338 | 5.3 | 0.09 | 437 | 5.4 | 0.0340 | 44 | 0.0108 | 46 | 0.002291 | 5.4 | 0.49 | |
| 308-6.1 | ---- | --- | 0.0533 | 7.9 | 0.109 | 11.9 | 0.00521 | 2.2 | -- | 208 | 74 | 0.42 | 0.046 | 0.37 | 0.29 | 15.0 0.4 | 14.9 0.5 | 15.1 0.5 | 344 ±178 | 14.0 ±2 | 11.6 ±2 | 474 ±164 | +96 | 5.8E-4 | 17.4 | 429 | 3.0 | 0.0533 | 8 | 0.01714 | 8 | 0.002330 | 3.0 | 0.35 | 427 | 3.2 | 0.0566 | 7 | 0.0182 | 8 | 0.002339 | 3.2 | 0.40 | |
| 308-7.1 | ---- | --- | 0.0564 | 8.8 | 0.205 | 10.2 | 0.00451 | 2.5 | -- | 173 | 112 | 0.35 | 0.073 | 0.67 | 0.78 | 15.3 0.5 | 15.1 0.5 | 15.4 0.6 | 467 ±196 | 14.6 ±2 | 12.7 ±2 | 621 ±220 | +97 | 6.3E-4 | 13.0 | 422 | 3.3 | 0.0564 | 9 | 0.01844 | 9 | 0.002372 | 3.3 | 0.35 | 419 | 3.9 | 0.0605 | 10 | 0.0199 | 11 | 0.002384 | 3.9 | 0.45 | |
| 308-8.1 | 1.7E-3 | 71 | 0.0771 | 10.9 | 0.290 | 8.8 | 0.00498 | 2.5 | 3.13 | 155 | 96 | 0.34 | 0.080 | 0.64 | 0.27 | 16.5 0.4 | 16.4 0.2 | 16.3 0.3 | 307 ±865 | 18.8 ±4 | 17.5 ±2 | -330 ±613 | +95 | 8.7E-4 | 14.0 | 390 | 2.5 | 0.0525 | 38 | 0.01855 | 38 | 0.002564 | 2.5 | 0.07 | 396 | 1.8 | 0.0403 | 24 | 0.0140 | 25 | 0.002525 | 1.8 | 0.69 | |
| 308-9.1 | 4.9E-4 | 100 | 0.0526 | 6.2 | 0.270 | 6.6 | 0.00528 | 1.9 | 0.92 | 272 | 239 | 0.53 | 0.136 | 0.91 | 0.30 | 14.6 0.4 | 14.6 0.4 | 14.9 0.5 | -35 ±430 | 12.8 ±1 | 12.9 ±1 | 650 ±246 | +142 | 6.4E-4 | 7.8 | 440 | 2.7 | 0.0454 | 18 | 0.01421 | 18 | 0.002270 | 2.7 | 0.15 | 432 | 3.1 | 0.0613 | 11 | 0.0196 | 13 | 0.002317 | 3.1 | 0.50 | |
| 308-10.1 | 2.5E-2 | 30 | 0.4146 | 30.1 | 0.864 | 40.8 | 0.00635 | 24.4 | 46.50 | 237 | 214 | 0.71 | -0.129 | 0.93 | 1.09 | 22.3 ±7 | 22.3 ±7 | 28.3 ±11 | 71.3 ±15692 | -14 ±61 | -14 ±61 | 2948 ±1689 | +69 | -6.8E-4 | -437.7 | 289 | 29.9 | 0.0474 | 660 | 0.02266 | 660 | 0.002465 | 29.9 | 0.05 | 227 | 39.2 | 0.2156 | 105 | 0.1309 | 131 | 0.004402 | 39.2 | 0.76 | |
| 308-11.1 | 2.4E-4 | 100 | 0.0492 | 4.4 | 0.519 | 3.5 | 0.00481 | 1.3 | 0.45 | 575 | 855 | 1.20 | 0.622 | 1.54 | 0.60 | 15.7 0.1 | 15.7 0.1 | 15.5 0.3 | -26 ±225 | 16.4 0.7 | 16.5 0.6 | -778 ±1877 | +161 | 8.1E-4 | 3.8 | 411 | 0.9 | 0.0456 | 9 | 0.01530 | 9 | 0.002435 | 0.9 | 0.10 | 417 | 1.6 | 0.0341 | 66 | 0.0113 | 68 | 0.002401 | 1.6 | 0.82 | |
| 308-12.1 | 1.1E-3 | 100 | 0.0754 | 7.8 | 0.292 | 9.8 | 0.00451 | 2.8 | 2.01 | 141 | 110 | 0.31 | 0.080 | 0.80 | 0.27 | 16.4 0.5 | 16.1 0.4 | 16.4 0.6 | 594 ±618 | 16.4 ±3 | 14.1 ±2 | 591 ±350 | +97 | 7.0E-4 | 12.7 | 394 | 3.3 | 0.0597 | 29 | 0.02093 | 29 | 0.002541 | 3.3 | 0.11 | 394 | 3.4 | 0.0597 | 16 | 0.0209 | 18 | 0.002540 | 3.4 | 0.57 | |
| 308-13.1 | 2.2E-3 | 58 | 0.0777 | 7.0 | 0.266 | 8.3 | 0.00497 | 2.4 | 4.17 | 180 | 123 | 0.35 | 0.067 | 0.70 | 0.24 | 14.7 0.7 | 14.7 0.6 | 15.0 0.7 | -72 ±1132 | 12.3 ±4 | 12.6 ±2 | 609 ±254 | +120 | 6.2E-4 | 12.4 | 438 | 4.6 | 0.0447 | 46 | 0.01406 | 47 | 0.002282 | 4.6 | 0.10 | 430 | 4.6 | 0.0601 | 12 | 0.0193 | 13 | 0.002328 | 4.6 | 0.45 | |
| 308-14.1 | 7.1E-4 | 100 | 0.0620 | 7.7 | 0.320 | 7.5 | 0.00411 | 3.6 | 1.32 | 240 | 219 | 0.48 | 0.144 | 0.94 | 0.63 | 15.1 0.6 | 15.0 0.6 | 15.1 0.7 | 270 ±515 | 14.8 ±2 | 14.1 ±1 | 355 ±447 | +95 | 7.0E-4 | 9.6 | 427 | 4.0 | 0.0517 | 22 | 0.01666 | 23 | 0.002340 | 4.0 | 0.17 | 426 | 4.7 | 0.0536 | 20 | 0.0173 | 22 | 0.002346 | 4.7 | 0.46 | |
| 308-15.1 | 8.8E-4 | 100 | 0.0705 | 7.2 | 0.255 | 9.2 | 0.00435 | 2.6 | 1.64 | 168 | 106 | 0.35 | 0.079 | 0.65 | 0.26 | 15.6 0.4 | 15.4 0.3 | 15.5 0.3 | 519 ±533 | 16.9 ±3 | 14.7 ±2 | 213 ±294 | +97 | 7.3E-4 | 12.0 | 412 | 2.3 | 0.0577 | 24 | 0.01932 | 24 | 0.002428 | 2.3 | 0.09 | 416 | 2.2 | 0.0504 | 13 | 0.0167 | 14 | 0.002406 | 2.2 | 0.62 | |
| 308-16.1 | 9.6E-3 | 35 | 0.1967 | 8.8 | 0.483 | 8.6 | 0.00643 | 3.0 | 17.96 | 88 | 66 | 0.17 | 0.024 | 0.78 | 0.36 | 14.6 ±1 | 14.4 0.5 | 15.5 0.5 | 474 ±2509 | 8.0 ±9 | 6.4 ±4 | 1663 ±397 | +97 | 3.2E-4 | 61.8 | 440 | 7.9 | 0.0566 | 113 | 0.01772 | 114 | 0.002273 | 7.9 | 0.07 | 414 | 3.4 | 0.0201 | 21 | 0.0340 | 24 | 0.002414 | 3.4 | 0.65 | |
| 308-17.1 | 5.0E-4 | 100 | 0.0557 | 6.1 | 0.222 | 7.6 | 0.00477 | 3.7 | 0.94 | 246 | 181 | 0.49 | 0.101 | 0.76 | 0.20 | 14.9 0.4 | 14.9 0.4 | 15.2 0.5 | 115 ±402 | 12.6 ±2 | 12.3 ±1 | 738 ±171 | +87 | 6.1E-4 | 9.3 | 432 | 2.8 | 0.0483 | 17 | 0.01543 | 17 | 0.002316 | 2.8 | 0.16 | 423 | 3.1 | 0.0639 | 8 | 0.0208 | 9 | 0.002362 | 3.1 | 0.48 | |
| 308-18.1 | 1.3E-2 | 19 | 0.2381 | 18.1 | 0.783 | 13.8 | 0.00656 | 7.1 | 23.47 | 275 | 307 | 0.57 | 0.226 | 1.15 | 0.63 | 15.6 ±1 | 15.4 ±1 | 15.4 ±2 | 393 ±2958 | 16.6 ±6 | 15.7 ±7 | -123 ±5952 | +96 | 7.8E-4 | 47.8 | 413 | 8.5 | 0.0645 | 132 | 0.01821 | 132 | 0.002423 | 8.5 | 0.06 | 418 | 13.8 | 0.0438 | 241 | 0.0144 | 250 | 0.002390 | 13.8 | 0.64 | |
| 308-19.1 | ---- | --- | 0.0472 | 5.6 | 0.333 | 5.2 | 0.00508 | 1.6 | -- | 334 | 352 | 0.69 | 0.231 | 1.09 | 0.16 | 15.4 0.3 | 15.4 0.3 | 15.6 0.4 | 57.3 ±132 | 14.8 0.8 | 14.7 0.9 | 341 ±408 | +73 | 7.3E-4 | 6.0 | 417 | 2.2 | 0.0472 | 6 | 0.01559 | 6 | 0.002398 | 2.2 | 0.37 | 414 | 2.9 | 0.0533 | 18 | 0.0177 | 19 | 0.002416 | 2.9 | 0.51 | |
| 308-20.1 | 3.3E-4 | 71 | 0.0499 | 7.4 | 0.287 | 3.7 | 0.00502 | 2.7 | 0.63 | 739 | 648 | 1.48 | 0.412 | 0.90 | 0.25 | 15.0 0.2 | 15.0 0.2 | 15.1 0.3 | -59 ±278 | 14.3 0.7 | 14.5 0.8 | 210 ±243 | +126 | 7.2E-4 | 5.3 | 430 | 1.5 | 0.0449 | 11 | 0.01441 | 11 | 0.002325 | 1.5 | 0.13 | 427 | 1.8 | 0.0503 | 10 | 0.0162 | 11 | 0.002341 | 1.8 | 0.41 | |

Errors are 1-sigma: Pb_c and Pb' indicate the common and radiogenic portions, respectively.
Error in Standard calibration was 0.21% (not included in above errors but required when comparing data from different mounts).
(1) Common Pb corrected using measured 204Pb.
(2) Common Pb corrected by assuming 206Pb/238U-207Pb/235U age-concordance
(3) Common Pb corrected by assuming 206Pb/238U-208Pb/232Th age-concordance

| Spot | 204Pb /206Pb | ±% | 207Pb /206Pb | ±% | 208Pb /206Pb | ±% | 206Pb /238U | ±% | 206Pb _c | ppm U | ppm Th | 4-corr ppm 206Pb | 4-corr ppm 208Pb | 232Th /238U | ±% | (1) 206Pb /238U Age | (2) 206Pb /238U Age | (3) 206Pb /238U Age | (1) 207Pb /206Pb Age | (1) 208Pb /232Th Age | (2) 208Pb /232Th Age | (3) 207Pb /206Pb Age | % Dis-corr-dant | 7corr 208Pb /232Th | ±% | (1) 238U /206Pb | ±% | (1) 207Pb /206Pb | ±% | (1) 207Pb /235U | ±% | (1) 206Pb /238U | ±% | err corr | (3) 238U /206Pb | ±% | (3) 207Pb /206Pb | ±% | (3) 207Pb /235U | ±% | (3) 206Pb /238U | ±% | err. corr. |
|----------|--------------|-----|--------------|------|--------------|------|-------------|-----|--------------------|-------|--------|------------------|------------------|-------------|------|---------------------|---------------------|---------------------|----------------------|----------------------|----------------------|----------------------|-----------------|--------------------|----|-----------------|-----|------------------|----|-----------------|----|-----------------|-----|----------|-----------------|-----|------------------|----|-----------------|----|-----------------|-----|------------|
| 356-1.1 | 1.8E-3 | 71 | 0.078 | 7.0 | 0.234 | 9.5 | 0.00703 | 2.6 | 3.29 | 173 | 101 | 0.37 | 0.064 | 0.600 | 0.31 | 16.1 0.5 | 15.9 0.3 | 16.2 0.4 | 278 ±872 | 14.4 ±4 | 13.2 ±2 | 596 ±220 | +94 | 6.6E-4 | 14 | 401 | 2.9 | 0.0518 | 38 | 0.01781 | 38 | 0.002493 | 2.9 | 0.08 | 397 | 2.2 | 0.0598 | 10 | 0.0208 | 11 | 0.002519 | 2.2 | 0.59 |
| 356-2.1 | 3.6E-3 | 45 | 0.099 | 13.2 | 0.267 | 14.1 | 0.00754 | 2.3 | 6.70 | 197 | 117 | 0.42 | 0.059 | 0.612 | 0.29 | 16.0 0.7 | 16.0 0.6 | 16.5 0.7 | -17 ±1534 | 11.3 ±6 | 11.5 ±4 | 904 ±415 | +195 | 5.7E-4 | 33 | 402 | 4.4 | 0.0457 | 63 | 0.01568 | 64 | 0.002487 | 4.4 | 0.07 | 390 | 4.1 | 0.0692 | 20 | 0.0244 | 22 | 0.002563 | 4.1 | 0.53 |
| 356-3.1 | --- | --- | 0.052 | 8.5 | 0.245 | 15.0 | 0.00674 | 4.2 | -- | 223 | 133 | 0.48 | 0.118 | 0.616 | 0.27 | 16.1 0.5 | 16.0 0.5 | 15.7 0.7 | 281 ±194 | 20.1 ±3 | 18.9 ±3 | -1048 ±698 | +94 | 9.3E-4 | 16 | 400 | 3.3 | 0.0519 | 8 | 0.01790 | 9 | 0.002502 | 3.3 | 0.36 | 410 | 4.3 | 0.0311 | 23 | 0.0105 | 25 | 0.002437 | 4.3 | 0.55 |
| 356-4.1 | 3.6E-3 | 50 | 0.106 | 9.8 | 0.267 | 22.1 | 0.00720 | 2.6 | 6.65 | 167 | 85 | 0.35 | 0.049 | 0.525 | 0.33 | 15.8 0.7 | 15.6 0.5 | 16.0 0.8 | 349 ±1270 | 13.1 ±8 | 11.3 ±5 | 781 ±366 | +96 | 5.6E-4 | 41 | 408 | 4.7 | 0.0535 | 56 | 0.01808 | 56 | 0.002452 | 4.7 | 0.08 | 402 | 4.8 | 0.0652 | 17 | 0.0224 | 21 | 0.002489 | 4.8 | 0.73 |
| 356-5.1 | 3.6E-3 | 50 | 0.100 | 6.2 | 0.363 | 8.0 | 0.00777 | 5.4 | 6.76 | 155 | 92 | 0.34 | 0.083 | 0.611 | 0.54 | 16.6 0.9 | 16.6 0.7 | 16.2 0.8 | 55.6 ±1489 | 20.4 ±7 | 20.3 ±3 | | +70 | 1.0E-3 | 12 | 388 | 5.3 | 0.0471 | 62 | 0.01675 | 63 | 0.002577 | 5.3 | 0.08 | 398 | 5.1 | 0.0276 | 30 | 0.0096 | 32 | 0.002515 | 5.1 | 0.43 |
| 356-6.1 | 3.7E-3 | 45 | 0.106 | 13.8 | 0.318 | 7.8 | 0.00784 | 4.1 | 6.90 | 186 | 112 | 0.39 | 0.074 | 0.623 | 0.29 | 15.7 0.6 | 15.6 0.5 | 15.8 0.5 | 273 ±1350 | 14.9 ±6 | 13.8 ±4 | 446 ±630 | +94 | 6.8E-4 | 26 | 410 | 4.1 | 0.0517 | 59 | 0.01740 | 59 | 0.002441 | 4.1 | 0.07 | 408 | 3.2 | 0.0558 | 28 | 0.0189 | 29 | 0.002453 | 3.2 | 0.36 |
| 356-7.1 | 5.5E-4 | 71 | 0.056 | 7.1 | 0.286 | 4.8 | 0.00711 | 2.8 | 1.02 | 567 | 486 | 1.24 | 0.336 | 0.886 | 0.17 | 16.4 0.5 | 16.4 0.5 | 16.6 0.6 | 82.3 ±348 | 15.6 ±1 | 15.4 ±1 | 371 ±252 | +80 | 7.6E-4 | 7 | 392 | 2.9 | 0.0477 | 15 | 0.01676 | 15 | 0.002551 | 2.9 | 0.20 | 389 | 3.4 | 0.0540 | 11 | 0.0191 | 12 | 0.002572 | 3.4 | 0.41 |
| 356-8.1 | 3.0E-3 | 35 | 0.091 | 9.3 | 0.345 | 5.3 | 0.00783 | 2.9 | 5.63 | 382 | 275 | 0.85 | 0.209 | 0.743 | 0.21 | 16.7 0.5 | 16.7 0.5 | 16.7 0.5 | 6.9 ±986 | 17.2 ±3 | 17.2 ±2 | -133 ±558 | -143 | 8.5E-4 | 12 | 385 | 3.2 | 0.0462 | 41 | 0.01655 | 41 | 0.002600 | 3.2 | 0.08 | 386 | 3.2 | 0.0436 | 23 | 0.0156 | 24 | 0.002592 | 3.2 | 0.36 |
| 356-9.1 | 5.3E-3 | 41 | 0.131 | 12.5 | 0.313 | 13.8 | 0.00652 | 6.0 | 9.86 | 188 | 100 | 0.38 | 0.047 | 0.549 | 0.31 | 15.1 1.0 | 14.9 0.8 | 15.5 0.9 | 370 ±1647 | 10.5 ±8 | 8.8 ±5 | 1079 ±465 | +96 | 4.3E-4 | 57 | 427 | 6.3 | 0.0540 | 73 | 0.01741 | 73 | 0.002340 | 6.3 | 0.09 | 416 | 5.9 | 0.0754 | 23 | 0.0250 | 25 | 0.002405 | 5.9 | 0.47 |
| 356-10.1 | 4.8E-3 | 50 | 0.117 | 11.0 | 0.272 | 17.7 | 0.00720 | 7.2 | 9.02 | 124 | 57 | 0.24 | 0.023 | 0.473 | 0.74 | 14.7 ±1 | 14.8 0.8 | 15.2 1.0 | -47 ±2246 | 9.2 ±10 | 9.5 ±5 | 861 ±405 | +131 | 4.7E-4 | 52 | 437 | 7.0 | 0.0452 | 92 | 0.01424 | 93 | 0.002288 | 7.0 | 0.08 | 425 | 6.3 | 0.0678 | 20 | 0.0220 | 22 | 0.002355 | 6.3 | 0.52 |
| 356-11.1 | 2.8E-3 | 50 | 0.087 | 11.2 | 0.280 | 17.5 | 0.00705 | 2.3 | 5.20 | 219 | 133 | 0.49 | 0.090 | 0.624 | 0.28 | 16.7 0.7 | 16.7 0.5 | 16.8 0.7 | 15.1 ±1245 | 15.3 ±5 | 15.3 ±4 | 348 ±517 | -11 | 7.6E-4 | 25 | 386 | 3.9 | 0.0463 | 52 | 0.01655 | 52 | 0.002590 | 3.9 | 0.08 | 383 | 4.3 | 0.0534 | 23 | 0.0193 | 26 | 0.002613 | 4.3 | 0.68 |
| 356-12.1 | 2.9E-3 | 50 | 0.095 | 13.7 | 0.298 | 7.9 | 0.00708 | 2.4 | 5.37 | 215 | 127 | 0.45 | 0.090 | 0.611 | 0.28 | 15.7 0.6 | 15.6 0.5 | 15.7 0.6 | 318 ±1127 | 16.0 ±5 | 14.6 ±3 | 261 ±623 | +95 | 7.2E-4 | 22 | 410 | 4.1 | 0.0528 | 50 | 0.01775 | 50 | 0.002440 | 4.1 | 0.08 | 410 | 3.7 | 0.0514 | 27 | 0.0173 | 28 | 0.002436 | 3.7 | 0.34 |
| 356-13.1 | 5.4E-3 | 38 | 0.130 | 13.6 | 0.329 | 15.7 | 0.00701 | 3.8 | 10.14 | 194 | 104 | 0.39 | 0.053 | 0.554 | 0.30 | 15.1 0.8 | 15.0 0.7 | 15.5 0.8 | 207 ±1796 | 11.4 ±8 | 10.5 ±6 | 866 ±582 | +93 | 5.2E-4 | 52 | 426 | 5.6 | 0.0503 | 77 | 0.01627 | 78 | 0.002348 | 5.6 | 0.07 | 416 | 5.3 | 0.0679 | 28 | 0.0225 | 31 | 0.002402 | 5.3 | 0.56 |
| 356-14.1 | 5.0E-3 | 38 | 0.119 | 11.8 | 0.280 | 8.1 | 0.00762 | 6.5 | 9.36 | 198 | 107 | 0.42 | 0.040 | 0.561 | 0.61 | 15.8 ±1 | 15.8 1.0 | 16.5 ±1 | -35 ±1852 | 8.4 ±7 | 8.6 ±4 | 1170 ±374 | +146 | 4.3E-4 | 46 | 408 | 7.0 | 0.0454 | 76 | 0.01534 | 77 | 0.002451 | 7.0 | 0.09 | 391 | 6.9 | 0.0789 | 19 | 0.0279 | 20 | 0.002560 | 6.9 | 0.36 |
| 356-15.1 | 3.0E-3 | 50 | 0.096 | 17.0 | 0.371 | 7.3 | 0.00787 | 7.2 | 5.61 | 175 | 117 | 0.38 | 0.103 | 0.688 | 0.28 | 16.1 1.0 | 16.0 0.9 | 15.7 ±1 | 276 ±1285 | 19.9 ±5 | 18.9 ±4 | | +94 | 9.3E-4 | 20 | 399 | 6.1 | 0.0518 | 56 | 0.01789 | 56 | 0.002506 | 6.1 | 0.11 | 411 | 6.8 | 0.0293 | 63 | 0.0098 | 65 | 0.002436 | 6.8 | 0.24 |
| 356-16.1 | 2.9E-3 | 71 | 0.095 | 8.6 | 0.226 | 12.9 | 0.00659 | 3.3 | 5.41 | 114 | 53 | 0.23 | 0.028 | 0.482 | 0.41 | 15.1 1.0 | 15.0 0.8 | 15.4 0.9 | 295 ±1438 | 11.9 ±8 | 10.4 ±3 | 785 ±276 | +95 | 5.2E-4 | 29 | 426 | 6.5 | 0.0522 | 63 | 0.01691 | 63 | 0.002350 | 6.5 | 0.10 | 418 | 5.9 | 0.0653 | 13 | 0.0215 | 15 | 0.002390 | 5.9 | 0.44 |

Errors are 1-sigma: Pb_c and Pb_i indicate the common and radiogenic portions, respectively.
Error in Standard calibration was 0.29% (not included in above errors but required when comparing data from different mounts).
(1) Common Pb corrected using measured 204Pb.
(2) Common Pb corrected by assuming 206Pb/238U-207Pb/235U age-concordance
(3) Common Pb corrected by assuming 206Pb/238U-208Pb/232Th age-concordance

| Spot | 204Pb /206Pb | ±% | 207Pb /206Pb | ±% | 208Pb /206Pb | ±% | 206Pb /238U | ±% | 206Pb _c | ppm U | ppm Th | 4-corr ppm 206Pb [*] | 4-corr ppm 208Pb [*] | 232Th /238U | ±% | (1) 206Pb /238U Age | (2) 206Pb /238U Age | (3) 206Pb /238U Age | (1) 207Pb /206Pb Age | (1) 208Pb /232Th Age | (2) 208Pb /232Th Age | (3) 207Pb /206Pb Age | Di s-corr-dant | % | 7corr 208Pb /232Th | ±% | (1) 238U /206Pb [*] | ±% | (1) 207Pb /206Pb [*] | ±% | (1) 207Pb /235U | ±% | (1) 206Pb /238U | ±% | err corr | (3) 238U /206Pb [*] | ±% | (3) 207Pb /206Pb [*] | ±% | (3) 207Pb /235U | ±% | (3) 206Pb /238U | ±% | err. corr. |
|----------|--------------|-----|--------------|------|--------------|------|-------------|-----|--------------------|-------|--------|-------------------------------|-------------------------------|-------------|------|---------------------|---------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------|--------|--------------------|-----|------------------------------|--------|-------------------------------|---------|-----------------|----------|-----------------|------|----------|------------------------------|--------|-------------------------------|--------|-----------------|----------|-----------------|------|------------|
| 392-1.1 | 1.9E-3 | 45 | 0.076 | 12.5 | 0.179 | 19.0 | 0.00637 | 1.7 | 3.53 | 491 | 220 | 1.05 | 0.116 | 0.464 | 0.23 | 16.0 0.5 | 16.0 0.5 | 16.3 0.6 | 92.0 ±804 | 11.9 ±4 | 11.5 ±4 | 716 ±313 | +83 | 5.7E-4 | 33 | 402 | 3.1 | 0.0479 | 34 | 0.01640 | 34 | 0.002485 | 3.1 | 0.09 | 395 | 3.4 | 0.0632 | 15 | 0.0221 | 16 | 0.002535 | 3.4 | 0.55 | |
| 392-2.1 | 1.5E-3 | 58 | 0.070 | 10.5 | 0.157 | 9.0 | 0.00721 | 5.8 | 2.84 | 311 | 136 | 0.67 | 0.069 | 0.453 | 0.27 | 16.1 0.8 | 16.1 0.8 | 16.4 0.9 | 97.9 ±756 | 11.3 ±4 | 10.8 ±3 | 779 ±242 | +84 | 5.4E-4 | 24 | 400 | 5.1 | 0.0480 | 32 | 0.01653 | 32 | 0.002499 | 5.1 | 0.16 | 391 | 5.3 | 0.0651 | 12 | 0.0229 | 13 | 0.002555 | 5.3 | 0.40 | |
| 392-3.1 | --- | --- | 0.047 | 7.9 | 0.177 | 10.0 | 0.00634 | 4.0 | -- | 249 | 126 | 0.52 | 0.093 | 0.524 | 0.56 | 15.7 0.6 | 15.7 0.6 | 15.6 0.6 | 49.3 ±189 | 16.7 ±2 | 16.5 ±2 | -175 ±246 | +68 | 8.2E-4 | 12 | 409 | 3.5 | 0.0470 | 8 | 0.01583 | 9 | 0.002443 | 3.5 | 0.41 | 412 | 4.0 | 0.0429 | 10 | 0.0144 | 11 | 0.002430 | 4.0 | 0.39 | |
| 392-4.1 | 1.4E-3 | 71 | 0.073 | 6.2 | 0.190 | 9.3 | 0.00691 | 2.3 | 2.57 | 241 | 129 | 0.52 | 0.074 | 0.556 | 0.28 | 16.2 0.4 | 16.1 0.3 | 16.5 0.3 | 336 ±654 | 12.9 ±4 | 11.3 ±2 | 866 ±144 | +95 | 5.6E-4 | 15 | 397 | 2.5 | 0.0532 | 29 | 0.01847 | 29 | 0.002519 | 2.5 | 0.09 | 390 | 2.1 | 0.0679 | 7 | 0.0240 | 8 | 0.002567 | 2.1 | 0.53 | |
| 392-5.1 | 5.5E-4 | 100 | 0.055 | 6.2 | 0.169 | 8.8 | 0.00616 | 2.0 | 1.03 | 320 | 167 | 0.67 | 0.102 | 0.539 | 0.25 | 15.8 0.3 | 15.8 0.2 | 16.0 0.3 | 38.3 ±457 | 13.7 ±2 | 13.6 ±1 | 449 ±143 | +59 | 6.7E-4 | 11 | 408 | 1.8 | 0.0468 | 19 | 0.01580 | 19 | 0.002449 | 1.8 | 0.09 | 404 | 1.8 | 0.0559 | 6 | 0.0191 | 7 | 0.002478 | 1.8 | 0.52 | |
| 392-6.1 | 9.5E-4 | 71 | 0.063 | 5.8 | 0.194 | 13.4 | 0.00618 | 1.9 | 1.78 | 392 | 208 | 0.81 | 0.131 | 0.547 | 0.23 | 15.5 0.4 | 15.5 0.4 | 15.6 0.5 | 142 ±517 | 14.3 ±3 | 13.7 ±2 | 400 ±185 | +89 | 6.8E-4 | 15 | 415 | 2.8 | 0.0489 | 22 | 0.01624 | 22 | 0.002410 | 2.8 | 0.12 | 412 | 3.0 | 0.0547 | 8 | 0.0183 | 10 | 0.002428 | 3.0 | 0.56 | |
| 392-7.1 | 5.1E-4 | 100 | 0.057 | 6.0 | 0.179 | 8.5 | 0.00635 | 5.0 | 0.94 | 352 | 190 | 0.76 | 0.123 | 0.559 | 0.24 | 16.2 0.7 | 16.1 0.7 | 16.3 0.7 | 195 ±384 | 14.6 ±2 | 13.7 ±2 | 495 ±161 | +92 | 6.8E-4 | 11 | 398 | 4.1 | 0.0500 | 17 | 0.01731 | 17 | 0.002510 | 4.1 | 0.24 | 395 | 4.5 | 0.0571 | 7 | 0.0199 | 8 | 0.002533 | 4.5 | 0.45 | |
| 392-8.1 | 9.1E-4 | 71 | 0.061 | 9.2 | 0.218 | 7.1 | 0.00651 | 1.9 | 1.70 | 380 | 219 | 0.82 | 0.154 | 0.594 | 0.39 | 16.2 0.4 | 16.2 0.4 | 16.2 0.4 | 81.1 ±561 | 15.9 ±2 | 15.6 ±2 | 156 ±284 | +80 | 7.7E-4 | 11 | 398 | 2.5 | 0.0476 | 24 | 0.01651 | 24 | 0.002514 | 2.5 | 0.10 | 397 | 2.6 | 0.0492 | 12 | 0.0171 | 13 | 0.002519 | 2.6 | 0.39 | |
| 392-9.1 | 4.5E-4 | 71 | 0.053 | 4.1 | 0.242 | 4.7 | 0.00645 | 1.3 | 0.84 | 745 | 511 | 1.59 | 0.362 | 0.709 | 0.17 | 16.0 0.2 | 16.0 0.2 | 16.0 0.2 | 1.2 ±274 | 16.0 ±1 | 16.0 0.9 | -2 ±166 | -1206 | 7.9E-4 | 5 | 404 | 1.1 | 0.0461 | 11 | 0.01574 | 11 | 0.002478 | 1.1 | 0.10 | 404 | 1.3 | 0.0460 | 7 | 0.0157 | 8 | 0.002478 | 1.3 | 0.57 | |
| 392-10.1 | 1.2E-3 | 58 | 0.065 | 5.2 | 0.202 | 7.0 | 0.00699 | 3.3 | 2.31 | 381 | 196 | 0.81 | 0.129 | 0.532 | 0.23 | 15.9 0.4 | 15.9 0.3 | 16.0 0.4 | 18.5 ±586 | 14.8 ±3 | 14.8 ±1 | 260 ±163 | +14 | 7.3E-4 | 10 | 404 | 2.5 | 0.0464 | 24 | 0.01582 | 25 | 0.002473 | 2.5 | 0.10 | 402 | 2.5 | 0.0514 | 7 | 0.0176 | 8 | 0.002489 | 2.5 | 0.43 | |
| 392-11.1 | 1.4E-3 | 58 | 0.067 | 5.3 | 0.165 | 8.1 | 0.00720 | 1.9 | 2.56 | 336 | 148 | 0.73 | 0.085 | 0.456 | 0.26 | 16.4 0.5 | 16.4 0.4 | 16.6 0.5 | 52.1 ±634 | 13.0 ±4 | 12.8 ±2 | 580 ±135 | +69 | 6.3E-4 | 13 | 393 | 3.0 | 0.0471 | 27 | 0.01652 | 27 | 0.002546 | 3.0 | 0.11 | 387 | 2.9 | 0.0593 | 6 | 0.0212 | 7 | 0.002586 | 2.9 | 0.43 | |
| 392-12.1 | 1.8E-3 | 45 | 0.075 | 4.6 | 0.241 | 6.2 | 0.00715 | 3.1 | 3.39 | 418 | 242 | 0.90 | 0.160 | 0.599 | 0.21 | 16.1 0.3 | 16.1 0.2 | 16.2 0.2 | 101 ±634 | 14.9 ±3 | 14.5 ±1 | 371 ±162 | +84 | 7.2E-4 | 9 | 400 | 1.8 | 0.0480 | 27 | 0.01657 | 27 | 0.002502 | 1.8 | 0.07 | 397 | 1.3 | 0.0540 | 7 | 0.0188 | 8 | 0.002521 | 1.3 | 0.65 | |
| 392-13.1 | 1.4E-3 | 58 | 0.069 | 9.3 | 0.158 | 8.6 | 0.00700 | 3.6 | 2.60 | 330 | 157 | 0.69 | 0.075 | 0.492 | 0.25 | 15.8 0.4 | 15.7 0.4 | 16.2 0.4 | 102 ±681 | 10.8 ±3 | 10.3 ±2 | 872 ±192 | +85 | 5.1E-4 | 20 | 408 | 2.8 | 0.0481 | 29 | 0.01623 | 29 | 0.002449 | 2.8 | 0.10 | 398 | 2.6 | 0.0681 | 9 | 0.0236 | 10 | 0.002513 | 2.6 | 0.37 | |
| 392-14.1 | 2.1E-3 | 58 | 0.078 | 20.1 | 0.185 | 17.1 | 0.00702 | 2.3 | 3.89 | 241 | 105 | 0.51 | 0.057 | 0.452 | 0.57 | 16.0 0.4 | 16.0 0.4 | 16.3 0.3 | 80.2 ±1230 | 12.1 ±6 | 11.8 ±5 | 664 ±544 | +80 | 5.8E-4 | 46 | 402 | 2.5 | 0.0476 | 52 | 0.01632 | 52 | 0.002486 | 2.5 | 0.05 | 395 | 2.0 | 0.0617 | 25 | 0.0215 | 27 | 0.002532 | 2.0 | 0.59 | |
| 392-15.1 | -4.8E-4 | 71 | 0.060 | 9.9 | 0.244 | 4.9 | 0.00718 | 1.3 | -- | 636 | 425 | 1.36 | 0.359 | 0.691 | 0.17 | 16.1 0.3 | 15.6 0.3 | 15.7 0.4 | 846 ±238 | 19.0 ±1 | 15.0 ±1 | 196 ±297 | +98 | 7.4E-4 | 9 | 401 | 2.2 | 0.0673 | 11 | 0.02314 | 12 | 0.002494 | 2.2 | 0.19 | 410 | 2.5 | 0.0500 | 13 | 0.0168 | 13 | 0.002440 | 2.5 | 0.32 | |
| 392-16.1 | 8.8E-4 | 58 | 0.059 | 5.0 | 0.271 | 8.1 | 0.00681 | 1.5 | 1.65 | 546 | 345 | 1.15 | 0.280 | 0.654 | 0.19 | 15.8 0.2 | 15.8 0.2 | 15.6 0.3 | 6.1 ±430 | 18.3 ±2 | 18.3 ±2 | -953 ±453 | -161 | 9.1E-4 | 9 | 407 | 1.4 | 0.0462 | 18 | 0.01565 | 18 | 0.002459 | 1.4 | 0.08 | 414 | 1.7 | 0.0321 | 15 | 0.0107 | 17 | 0.002416 | 1.7 | 0.77 | |

Errors are 1-sigma: Pb_c and Pb_r indicate the common and radiogenic portions, respectively.
Error in Standard calibration was 0.29% (not included in above errors but required when comparing data from different mounts).
(1) Common Pb corrected using measured 204Pb.
(2) Common Pb corrected by assuming 206Pb/238U-207Pb/235U age-concordance
(3) Common Pb corrected by assuming 206Pb/238U-208Pb/232Th age-concordance

| Spot | 204Pb /206Pb ±% | 207Pb /206Pb ±% | 208Pb /206Pb ±% | 206Pb /238U ±% | 206Pb _c /206Pb _t ±% | ppm U | ppm Th | 4-corr ppm 206Pb _c /206Pb _t | 4-corr ppm 208Pb _c /208Pb _t | 232Th /238U ±% | (1) 206Pb /238U Age | (2) 206Pb /238U Age | (3) 206Pb /238U Age | (1) 207Pb /206Pb Age | (1) 208Pb /232Th Age | (2) 208Pb /232Th Age | (3) 207Pb /206Pb Age | % Di s-corr-dant | 7corr 208Pb /232Th ±% | (1) 238U /206Pb _c ±% | (1) 207Pb _c /206Pb _c ±% | (1) 207Pb _c /235U ±% | (1) 206Pb _c /238U ±% | err corr | (3) 238U /206Pb _c ±% | (3) 207Pb _c /206Pb _c ±% | (3) 207Pb _c /235U ±% | (3) 206Pb _c /238U ±% | err. corr. | |
|----------|-----------------|-----------------|-----------------|----------------|-------------------------------------------|-------|--------|---------------------------------------------------|---------------------------------------------------|----------------|---------------------|---------------------|---------------------|----------------------|----------------------|----------------------|----------------------|------------------|-----------------------|---------------------------------|-----------------------------------------------|---------------------------------|---------------------------------|--------------|---------------------------------|-----------------------------------------------|---------------------------------|---------------------------------|--------------|------|
| 395-1.1 | ---- | --- | 0.0484 8.9 | 0.359 5.1 | 0.00499 1.8 | -- | 332 | 383 | 0.69 | 0.250 | 1.19 0.49 | 15.6 0.3 | 15.5 0.3 | 15.8 0.4 | 120 ±211 | 14.7 0.8 | 14.5 0.9 | 521 ±481 | +87 | 7.2E-4 6.3 | 414 1.9 | 0.0484 9 | 0.01614 9 | 0.002417 1.9 | 0.21 | 409 2.6 | 0.0578 22 | 0.0195 23 | 0.002446 2.6 | 0.53 |
| 395-2.1 | 1.4E-3 | 45 | 0.0653 10.8 | 0.485 3.8 | 0.00542 3.0 | 2.54 | 393 | 567 | 0.83 | 0.372 | 1.49 1.48 | 15.8 0.3 | 15.9 0.3 | 16.1 0.4 | -45 ±629 | 14.8 ±1 | 14.9 0.9 | 615 ±794 | +135 | 7.4E-4 6.0 | 407 1.9 | 0.0452 26 | 0.01532 26 | 0.002458 1.9 | 0.07 | 399 2.3 | 0.0603 37 | 0.0208 38 | 0.002506 2.3 | 0.59 |
| 395-3.1 | ---- | --- | 0.0458 4.4 | 0.413 3.6 | 0.00516 2.9 | -- | 525 | 655 | 1.15 | 0.481 | 1.29 0.13 | 16.5 0.2 | 16.5 0.2 | 16.5 0.3 | -15 ±106 | 16.6 0.6 | 16.6 0.7 | -72 ±674 | +208 | 8.2E-4 4.1 | 391 1.4 | 0.0458 4 | 0.01614 5 | 0.002559 1.4 | 0.30 | 391 2.0 | 0.0447 28 | 0.0157 29 | 0.002556 2.0 | 0.59 |
| 395-4.1 | 8.0E-4 | 100 | 0.0576 7.8 | 0.261 8.8 | 0.00481 2.4 | 1.49 | 148 | 100 | 0.30 | 0.072 | 0.70 0.25 | 15.4 0.4 | 15.4 0.3 | 15.3 0.4 | -15 ±677 | 16.2 ±3 | 16.4 ±2 | -305 ±404 | +205 | 8.1E-4 10.4 | 417 2.4 | 0.0458 28 | 0.01513 28 | 0.002397 2.4 | 0.08 | 420 2.4 | 0.0407 16 | 0.0134 17 | 0.002382 2.4 | 0.58 |
| 395-5.1 | 5.7E-4 | 71 | 0.0557 4.5 | 0.439 4.1 | 0.00502 4.1 | 1.07 | 387 | 470 | 0.80 | 0.340 | 1.25 0.27 | 15.5 0.5 | 15.4 0.5 | 15.3 0.6 | 65.6 ±329 | 16.3 ±1 | 16.2 0.9 | -573 ±1039 | +77 | 8.0E-4 5.3 | 416 3.0 | 0.0473 14 | 0.01567 14 | 0.002401 3.0 | 0.21 | 422 4.0 | 0.0368 38 | 0.0120 40 | 0.002370 4.0 | 0.44 |
| 395-6.1 | 7.3E-3 | 45 | 0.1619 6.5 | 0.485 8.9 | 0.00640 8.3 | 13.64 | 119 | 142 | 0.26 | 0.067 | 1.24 0.58 | 16.4 ±2 | 16.2 ±1 | 17.9 ±2 | 427 ±2280 | 9.8 ±6 | 8.8 ±2 | 2004 ±460 | +96 | 4.3E-4 23.1 | 393 9.7 | 0.0554 102 | 0.01944 103 | 0.002546 9.7 | 0.09 | 359 9.2 | 0.1233 26 | 0.0474 30 | 0.002788 9.2 | 0.61 |
| 395-7.1 | ---- | --- | 0.0522 8.2 | 0.151 11.5 | 0.00530 2.4 | -- | 135 | 64 | 0.28 | 0.043 | 0.49 0.29 | 15.8 0.3 | 15.7 0.3 | 15.8 0.4 | 293 ±188 | 15.3 ±2 | 13.7 ±2 | 387 ±179 | +95 | 6.8E-4 14.3 | 408 2.1 | 0.0522 8 | 0.01765 8 | 0.002454 2.1 | 0.24 | 406 2.4 | 0.0544 8 | 0.0185 9 | 0.002461 2.4 | 0.46 |
| 395-8.1 | 3.0E-4 | 100 | 0.0539 4.8 | 0.409 4.3 | 0.00582 4.1 | 0.57 | 315 | 395 | 0.65 | 0.264 | 1.30 0.61 | 15.6 0.5 | 15.5 0.4 | 15.7 0.6 | 167 ±245 | 15.0 0.9 | 14.7 0.8 | 454 ±570 | +91 | 7.3E-4 5.5 | 413 2.9 | 0.0494 11 | 0.01648 11 | 0.002419 2.9 | 0.27 | 410 3.8 | 0.0560 26 | 0.0189 27 | 0.002440 3.8 | 0.49 |
| 395-9.1 | 7.6E-3 | 19 | 0.1642 2.8 | 0.630 3.4 | 0.00673 1.4 | 14.13 | 328 | 402 | 0.68 | 0.272 | 1.26 0.49 | 15.6 0.6 | 15.5 0.4 | 15.7 0.6 | 351 ±1062 | 15.2 ±3 | 14.5 0.9 | 523 ±745 | +96 | 7.2E-4 6.4 | 413 3.8 | 0.0535 47 | 0.01788 47 | 0.002423 3.8 | 0.08 | 410 3.6 | 0.0578 34 | 0.0194 36 | 0.002437 3.6 | 0.59 |
| 395-10.1 | 4.9E-4 | 50 | 0.0535 3.0 | 0.249 3.4 | 0.00551 1.9 | 0.91 | 849 | 581 | 1.86 | 0.436 | 0.71 0.13 | 16.4 0.2 | 16.5 0.2 | 16.4 0.3 | 14.7 ±207 | 16.9 0.7 | 16.9 0.7 | -139 ±135 | -12 | 8.4E-4 4.1 | 391 1.4 | 0.0463 9 | 0.01632 9 | 0.002555 1.4 | 0.16 | 393 1.5 | 0.0435 5 | 0.0153 6 | 0.002546 1.5 | 0.44 |
| 395-11.1 | 2.0E-4 | 100 | 0.0484 4.0 | 0.488 3.2 | 0.00551 1.3 | 0.37 | 538 | 819 | 1.11 | 0.539 | 1.57 0.12 | 15.4 0.4 | 15.4 0.4 | 15.6 0.5 | -29 ±187 | 14.8 0.6 | 14.9 0.6 | 414 ±803 | +154 | 7.4E-4 4.2 | 417 2.4 | 0.0455 8 | 0.01503 8 | 0.002396 2.4 | 0.30 | 412 3.4 | 0.0551 36 | 0.0184 38 | 0.002425 3.4 | 0.51 |
| 395-12.1 | 1.1E-3 | 45 | 0.0613 3.9 | 0.560 3.2 | 0.00509 1.4 | 2.10 | 466 | 692 | 1.00 | 0.531 | 1.53 0.61 | 16.0 0.3 | 16.0 0.2 | 15.6 0.4 | -73 ±437 | 17.3 0.9 | 17.4 0.7 | | +122 | 8.6E-4 3.8 | 402 1.7 | 0.0447 18 | 0.01532 18 | 0.002486 1.7 | 0.09 | 412 2.3 | 0.0247 95 | 0.0082 96 | 0.002425 2.3 | 0.66 |
| 395-13.1 | ---- | --- | 0.0483 8.1 | 0.149 10.9 | 0.00558 2.4 | -- | 140 | 63 | 0.32 | 0.048 | 0.46 0.29 | 17.2 0.3 | 17.1 0.3 | 17.1 0.3 | 115 ±190 | 17.3 ±2 | 16.7 ±2 | | +85 | 8.3E-4 13.1 | 375 1.5 | 0.0483 8 | 0.01776 8 | 0.002665 1.5 | 0.19 | 375 1.9 | 0.0479 8 | 0.0176 9 | 0.002663 1.9 | 0.50 |
| 395-14.1 | 3.6E-3 | 41 | 0.1007 13.8 | 0.503 5.6 | 0.00509 2.1 | 6.77 | 192 | 226 | 0.38 | 0.149 | 1.21 0.19 | 14.8 0.6 | 14.8 0.4 | 14.7 0.5 | 63.6 ±1399 | 14.9 ±3 | 14.8 ±2 | 7.4 ±1363 | +77 | 7.3E-4 12.0 | 436 3.7 | 0.0473 59 | 0.01496 59 | 0.002294 3.7 | 0.06 | 437 3.6 | 0.0462 57 | 0.0146 58 | 0.002291 3.6 | 0.48 |
| 395-15.1 | 5.6E-4 | 100 | 0.0555 6.3 | 0.392 6.0 | 0.00455 5.3 | 1.06 | 241 | 275 | 0.54 | 0.204 | 1.18 1.12 | 16.8 0.8 | 16.8 0.8 | 16.8 ±1 | 56.0 ±462 | 16.7 ±2 | 16.8 ±1 | 94.7 ±791 | +70 | 8.2E-4 8.3 | 384 5.1 | 0.0471 19 | 0.01694 20 | 0.002606 5.1 | 0.25 | 383 6.4 | 0.0479 33 | 0.0172 36 | 0.002608 6.4 | 0.44 |
| 395-16.1 | 1.6E-3 | 71 | 0.0670 7.0 | 0.455 7.0 | 0.00425 2.5 | 2.99 | 176 | 189 | 0.37 | 0.150 | 1.11 0.22 | 15.6 0.4 | 15.7 0.2 | 15.2 0.3 | -155 ±1033 | 17.9 ±2 | 18.3 ±1 | | +110 | 9.0E-4 7.7 | 412 2.4 | 0.0432 42 | 0.01448 42 | 0.002430 2.4 | 0.06 | 424 2.3 | 0.0188 110 | 0.0061 112 | 0.002357 2.3 | 0.88 |

Errors are 1-sigma; Pb_c and Pb_t indicate the common and radiogenic portions, respectively.
Error in Standard calibration was 0.21% (not included in above errors but required when comparing data from different mounts).
(1) Common Pb corrected using measured 204Pb.
(2) Common Pb corrected by assuming 206Pb/238U-207Pb/235U age-concordance
(3) Common Pb corrected by assuming 206Pb/238U-208Pb/232Th age-concordance

| Spot | 204Pb /206Pb ±% | 207Pb /206Pb ±% | 208Pb /206Pb ±% | 206Pb /238U ±% | 206Pb /238U ±% | 206Pb _c % | ppm U | ppm Th | 4-corr ppm 206Pb [*] | 4-corr ppm 208Pb [*] | 232Th /238U ±% | (1) 206Pb /238U Age | (2) 206Pb /238U Age | (3) 206Pb /238U Age | (1) 207Pb /206Pb Age | (1) 208Pb /232Th Age | (2) 208Pb /232Th Age | (3) 207Pb /206Pb Age | % Dis-corr-dant | 7corr 208Pb [*] /232Th ±% | (1) 238U /206Pb [*] ±% | (1) 207Pb [*] /206Pb [*] ±% | (1) 207Pb /235U ±% | (1) 206Pb [*] /238U ±% | err corr | (3) 238U /206Pb [*] ±% | (3) 207Pb [*] /206Pb [*] ±% | (3) 207Pb /235U ±% | (3) 206Pb [*] /238U ±% | err. corr. |
|----------|-----------------|-----------------|-----------------|----------------|----------------|----------------------|-------|--------|-------------------------------|-------------------------------|----------------|---------------------|---------------------|---------------------|----------------------|----------------------|----------------------|----------------------|-----------------|------------------------------------|---------------------------------|-----------------------------------------------|--------------------|---------------------------------|----------|---------------------------------|-----------------------------------------------|--------------------|---------------------------------|------------|
| 398-1.1 | --- | 0.0498 5.7 | 0.172 7.5 | 0.00519 1.7 | 0.00 | 297 | 148 | 0.63 | 0.109 | 0.51 0.55 | 15.8 0.4 | 15.7 0.4 | 15.7 0.5 | 187 ±134 | 16.6 ±1 | 15.7 ±1 | 15.1 ±166 | +92 | 7.8E-4 9.2 | 407 2.7 | 0.0498 6 | 0.01686 6 | 0.002455 2.7 | 0.42 | 409 3.0 | 0.0463 7 | 0.0156 8 | 0.002444 3.0 | 0.40 | |
| 398-2.1 | 2.0E-4 100 | 0.0485 4.0 | 0.233 7.1 | 0.00480 1.2 | 0.37 | 618 | 395 | 1.32 | 0.301 | 0.66 0.15 | 16.0 0.2 | 16.0 0.2 | 15.9 0.3 | -26 ±189 | 17.2 ±1 | 17.3 ±1 | -420 ±237 | +162 | 8.6E-4 7.6 | 402 1.6 | 0.0456 8 | 0.01561 8 | 0.002485 1.6 | 0.20 | 406 1.9 | 0.0389 9 | 0.0132 10 | 0.002465 1.9 | 0.56 | |
| 398-3.1 | 2.5E-4 100 | 0.0494 4.5 | 0.169 9.1 | 0.00538 2.8 | 0.46 | 464 | 235 | 0.96 | 0.155 | 0.52 0.17 | 15.4 0.3 | 15.4 0.3 | 15.5 0.3 | -14 ±225 | 14.9 ±2 | 15.0 ±1 | 113 ±129 | +207 | 7.4E-4 10.0 | 417 1.7 | 0.0458 9 | 0.01513 9 | 0.002397 1.7 | 0.18 | 416 2.0 | 0.0483 5 | 0.0160 6 | 0.002405 2.0 | 0.51 | |
| 398-4.1 | 1.8E-3 50 | 0.0703 5.1 | 0.234 6.8 | 0.00528 1.8 | 3.30 | 250 | 125 | 0.53 | 0.092 | 0.52 0.22 | 16.0 0.4 | 16.1 0.3 | 16.0 0.4 | -100 ±780 | 16.7 ±4 | 17.2 ±2 | -255 ±241 | +116 | 8.5E-4 9.3 | 402 2.7 | 0.0442 32 | 0.01517 32 | 0.002491 2.7 | 0.08 | 403 2.5 | 0.0415 10 | 0.0142 10 | 0.002482 2.5 | 0.44 | |
| 398-5.1 | 3.2E-4 100 | 0.0527 4.9 | 0.183 13.2 | 0.00543 3.5 | 0.59 | 379 | 204 | 0.81 | 0.139 | 0.56 0.65 | 15.9 0.3 | 15.9 0.3 | 16.0 0.4 | 98.2 ±266 | 15.4 ±2 | 15.0 ±2 | 215 ±171 | +84 | 7.4E-4 14.0 | 405 2.2 | 0.0480 11 | 0.01634 11 | 0.002471 2.2 | 0.19 | 403 2.6 | 0.0504 7 | 0.0172 9 | 0.002478 2.6 | 0.59 | |
| 398-6.1 | --- | 0.0484 5.6 | 0.197 6.9 | 0.00479 1.7 | --- | 352 | 187 | 0.75 | 0.149 | 0.55 0.20 | 15.9 0.3 | 15.9 0.3 | 15.8 0.4 | 120 ±132 | 17.9 ±1 | 17.4 ±1 | -396 ±208 | +87 | 8.6E-4 8.1 | 404 2.0 | 0.0484 6 | 0.01654 6 | 0.002477 2.0 | 0.34 | 408 2.4 | 0.0393 8 | 0.0133 9 | 0.002449 2.4 | 0.42 | |
| 398-7.1 | 1.8E-4 71 | 0.0472 2.8 | 0.348 2.5 | 0.00573 2.1 | 0.34 | 1227 | 1350 | 2.63 | 0.910 | 1.14 0.23 | 16.1 0.1 | 16.1 0.1 | 16.2 0.2 | -86 ±129 | 15.2 0.5 | 15.4 0.4 | 348 ±228 | +119 | 7.6E-4 2.9 | 401 0.9 | 0.0445 5 | 0.01529 5 | 0.002494 0.9 | 0.17 | 396 1.2 | 0.0534 10 | 0.0186 11 | 0.002523 1.2 | 0.57 | |
| 398-8.1 | --- | 0.0460 4.4 | 0.205 5.1 | 0.00493 3.0 | 0.00 | 622 | 406 | 1.31 | 0.272 | 0.67 0.28 | 15.8 0.1 | 15.8 0.1 | 15.9 0.2 | -2 ±107 | 15.1 0.8 | 15.2 0.9 | 199 ±125 | +900 | 7.5E-4 5.8 | 407 0.8 | 0.0460 4 | 0.01560 5 | 0.002459 0.8 | 0.18 | 405 1.1 | 0.0501 5 | 0.0171 6 | 0.002472 1.1 | 0.59 | |
| 398-9.1 | 2.5E-4 100 | 0.0510 4.4 | 0.170 6.0 | 0.00493 2.5 | 0.47 | 511 | 256 | 1.07 | 0.174 | 0.52 0.17 | 15.7 0.3 | 15.7 0.3 | 15.8 0.4 | 64.7 ±220 | 15.4 ±1 | 15.1 ±1 | 141 ±121 | +76 | 7.5E-4 7.4 | 409 2.2 | 0.0473 9 | 0.01594 9 | 0.002443 2.2 | 0.23 | 408 2.4 | 0.0489 5 | 0.0165 6 | 0.002448 2.4 | 0.41 | |
| 398-10.1 | 1.9E-3 45 | 0.0739 4.6 | 0.214 6.6 | 0.00504 2.8 | 3.56 | 324 | 146 | 0.69 | 0.101 | 0.46 0.21 | 16.0 0.4 | 16.0 0.3 | 16.0 0.3 | -13 ±713 | 15.7 ±4 | 15.9 ±2 | 37.9 ±181 | +228 | 7.8E-4 9.8 | 404 2.3 | 0.0458 30 | 0.01565 30 | 0.002478 2.3 | 0.08 | 403 1.9 | 0.0468 8 | 0.0160 8 | 0.002481 1.9 | 0.47 | |
| 398-11.1 | 4.0E-4 71 | 0.0524 4.0 | 0.211 4.7 | 0.00518 1.2 | 0.75 | 599 | 401 | 1.29 | 0.256 | 0.69 0.15 | 16.1 0.2 | 16.1 0.1 | 16.3 0.2 | 23.6 ±244 | 14.4 ±1 | 14.3 0.8 | 473 ±107 | +32 | 7.1E-4 5.6 | 400 1.0 | 0.0465 10 | 0.01602 10 | 0.002498 1.0 | 0.09 | 395 1.1 | 0.0565 5 | 0.0197 5 | 0.002530 1.1 | 0.58 | |
| 398-12.1 | 2.3E-4 100 | 0.0484 4.5 | 0.217 5.0 | 0.00529 2.8 | 0.42 | 527 | 333 | 1.11 | 0.234 | 0.65 0.42 | 15.7 0.2 | 15.8 0.2 | 15.7 0.2 | -53 ±217 | 15.9 ±1 | 16.1 0.9 | -93 ±157 | +130 | 8.0E-4 5.8 | 409 1.1 | 0.0451 9 | 0.01518 9 | 0.002443 1.1 | 0.12 | 410 1.3 | 0.0443 6 | 0.0149 7 | 0.002441 1.3 | 0.53 | |
| 398-13.1 | 3.6E-4 100 | 0.0520 5.2 | 0.176 6.9 | 0.00490 3.2 | 0.67 | 346 | 184 | 0.71 | 0.117 | 0.55 0.19 | 15.4 0.4 | 15.4 0.4 | 15.5 0.5 | 33.4 ±307 | 14.3 ±2 | 14.2 ±1 | 280 ±137 | +54 | 7.0E-4 8.6 | 418 2.7 | 0.0467 13 | 0.01541 13 | 0.002394 2.7 | 0.20 | 415 2.9 | 0.0519 6 | 0.0172 7 | 0.002410 2.9 | 14.10 | |
| 398-14.1 | 3.3E-4 100 | 0.0527 5.1 | 0.173 6.9 | 0.00486 2.8 | 0.63 | 374 | 193 | 0.78 | 0.126 | 0.53 0.19 | 15.6 0.3 | 15.6 0.3 | 15.7 0.3 | 89.8 ±281 | 14.8 ±2 | 14.4 ±1 | 260 ±132 | +83 | 7.1E-4 8.5 | 413 2.0 | 0.0478 12 | 0.01597 12 | 0.002423 2.0 | 0.17 | 411 2.2 | 0.0514 6 | 0.0173 6 | 0.002434 2.2 | 0.43 | |
| 398-15.1 | 2.1E-4 100 | 0.0484 4.2 | 0.228 7.9 | 0.00480 1.3 | 0.39 | 598 | 382 | 1.29 | 0.288 | 0.66 0.29 | 16.2 0.2 | 16.2 0.2 | 16.1 0.3 | -38 ±200 | 17.0 ±2 | 17.2 ±1 | -298 ±234 | +142 | 8.5E-4 8.4 | 397 1.5 | 0.0453 8 | 0.01573 8 | 0.002517 1.5 | 0.18 | 400 1.9 | 0.0408 9 | 0.0141 10 | 0.002503 1.9 | 0.60 | |
| 398-16.1 | 5.2E-4 100 | 0.0552 6.3 | 0.168 8.8 | 0.00505 2.0 | 0.96 | 237 | 113 | 0.49 | 0.073 | 0.49 0.55 | 15.3 0.5 | 15.3 0.5 | 15.4 0.5 | 78.3 ±421 | 14.6 ±2 | 14.3 ±2 | 221 ±174 | +80 | 7.1E-4 11.3 | 420 3.3 | 0.0476 18 | 0.01564 18 | 0.002384 3.3 | 0.18 | 418 3.5 | 0.0506 8 | 0.0167 8 | 0.002393 3.5 | 0.41 | |

Errors are 1-sigma; Pb and Pb^{*} indicate the common and radiogenic portions, respectively.
Error in Standard calibration was 0.21% (not included in above errors but required when comparing data from different mounts).
(1) Common Pb corrected using measured 204Pb.
(2) Common Pb corrected by assuming 206Pb/238U-207Pb/235U age-concordance
(3) Common Pb corrected by assuming 206Pb/238U-208Pb/232Th age-concordance

| Spot | 204Pb /206Pb | ±% | 207Pb /206Pb | ±% | 208Pb /206Pb | ±% | 206Pb /238U | ±% | 206Pb _c | ppm U | ppm Th | 4-corr ppm /206Pb | 4-corr ppm /208Pb | 232Th /238U | ±% | (1) 206Pb /238U Age | (2) 206Pb /238U Age | (3) 206Pb /238U Age | (1) 207Pb /206Pb Age | (1) 208Pb /232Th Age | (2) 208Pb /232Th Age | (3) 207Pb /206Pb Age | % Dis-cordant | 7corr 208Pb /232Th | ±% | (1) 238U /206Pb | ±% | (1) 207Pb /206Pb | ±% | (1) 207Pb /235U | ±% | (1) 206Pb /238U | ±% | err corr | (3) 238U /206Pb | ±% | (3) 207Pb /206Pb | ±% | (3) 207Pb /235U | ±% | (3) 206Pb /238U | ±% | err. corr. |
|----------|--------------|-----|--------------|------|--------------|------|-------------|------|--------------------|-------|--------|-------------------|-------------------|-------------|------|---------------------|---------------------|---------------------|----------------------|----------------------|----------------------|----------------------|---------------|--------------------|-------|-----------------|------|------------------|-----|-----------------|-----|-----------------|------|----------|-----------------|------|------------------|----|-----------------|----|-----------------|------|------------|
| 400-1.1 | 1.3E-3 | 100 | 0.0752 | 8.8 | 0.250 | 11.7 | 0.00615 | 3.2 | 2.48 | 85 | 60 | 0.18 | 0.04 | 0.73 | 0.33 | 15.8 0.8 | 15.6 0.7 | 16.1 0.8 | 444 ±837 | 13.9 ±4 | 12.2 ±2 | 852 ±278 | +97 | 6.1E-4 | 16.5 | 407 | 4.9 | 0.0558 | 38 | 0.0189 | 38 | 0.002456 | 4.9 | 0.13 | 401 | 5.1 | 0.0674 | 13 | 0.0232 | 15 | 0.002493 | 5.1 | 0.49 |
| 400-2.1 | --- | --- | 0.0544 | 11.5 | 0.200 | 26.4 | 0.00490 | 3.3 | -- | 91 | 59 | 0.20 | 0.04 | 0.66 | 0.34 | 16.0 0.4 | 15.9 0.4 | 16.2 0.6 | 388 ±257 | 15.2 ±4 | 13.6 ±4 | 580 ±386 | +96 | 6.7E-4 | 28.1 | 401 | 2.2 | 0.0544 | 11 | 0.0187 | 12 | 0.002493 | 2.2 | 0.19 | 399 | 3.7 | 0.0593 | 18 | 0.0205 | 21 | 0.002509 | 3.7 | 0.79 |
| 400-3.1 | 9.2E-4 | 50 | 0.0599 | 3.9 | 0.365 | 3.9 | 0.00660 | 1.3 | 1.72 | 446 | 464 | 0.96 | 0.33 | 1.08 | 0.15 | 16.2 0.3 | 16.2 0.3 | 16.3 0.4 | 12.7 ±380 | 15.8 ±1 | 15.9 0.7 | 174 ±375 | -27 | 7.8E-4 | 4.7 | 398 | 1.9 | 0.0463 | 16 | 0.0160 | 16 | 0.002514 | 1.9 | 0.12 | 396 | 2.2 | 0.0496 | 16 | 0.0172 | 17 | 0.002524 | 2.2 | 0.52 |
| 400-4.1 | 1.6E-3 | 58 | 0.0771 | 5.4 | 0.332 | 6.4 | 0.00595 | 2.0 | 3.06 | 200 | 177 | 0.43 | 0.12 | 0.91 | 0.41 | 16.0 0.4 | 15.8 0.3 | 16.1 0.4 | 332 ±639 | 15.3 ±2 | 14.3 ±1 | 560 ±326 | +95 | 7.1E-4 | 8.2 | 403 | 2.5 | 0.0531 | 28 | 0.0182 | 28 | 0.002481 | 2.5 | 0.09 | 400 | 2.4 | 0.0588 | 15 | 0.0203 | 16 | 0.002499 | 2.4 | 0.61 |
| 400-5.1 | 2.7E-3 | 35 | 0.0885 | 7.5 | 0.461 | 7.3 | 0.00584 | 3.3 | 5.09 | 334 | 413 | 0.75 | 0.28 | 1.28 | 0.34 | 16.9 0.4 | 16.8 0.3 | 17.2 0.5 | 120 ±804 | 15.5 ±2 | 15.3 ±1 | 731 ±934 | +86 | 7.6E-4 | 9.2 | 381 | 2.5 | 0.0484 | 34 | 0.0175 | 34 | 0.002623 | 2.5 | 0.07 | 374 | 3.0 | 0.0637 | 44 | 0.0235 | 46 | 0.002674 | 3.0 | 0.76 |
| 400-6.1 | 4.0E-3 | 58 | 0.1102 | 7.4 | 0.454 | 8.8 | 0.00530 | 3.2 | 7.50 | 95 | 91 | 0.20 | 0.06 | 0.98 | 0.29 | 15.3 0.9 | 15.2 0.5 | 15.3 0.7 | 254 ±1695 | 15.8 ±5 | 15.2 ±2 | 44.3 ±1049 | +94 | 7.5E-4 | 12.8 | 420 | 5.7 | 0.0513 | 74 | 0.0169 | 74 | 0.002383 | 5.7 | 0.08 | 422 | 4.8 | 0.0469 | 44 | 0.0153 | 47 | 0.002369 | 4.8 | 0.62 |
| 400-7.1 | 2.2E-3 | 100 | 0.0995 | 9.7 | 0.354 | 12.7 | 0.00436 | 4.1 | 4.11 | 72 | 44 | 0.16 | 0.04 | 0.63 | 0.41 | 16.5 ±1 | 16.0 0.7 | 15.8 1.0 | 865 ±1053 | 22.9 ±8 | 18.3 ±4 | -792 ±1076 | +98 | 9.1E-4 | 19.3 | 391 | 6.2 | 0.0679 | 51 | 0.0239 | 51 | 0.002556 | 6.2 | 0.12 | 408 | 6.0 | 0.0340 | 38 | 0.0115 | 41 | 0.002448 | 6.0 | 0.51 |
| 400-8.1 | 7.3E-3 | 38 | 0.1594 | 9.1 | 0.501 | 7.5 | 0.00629 | 2.9 | 13.58 | 99 | 98 | 0.21 | 0.06 | 1.02 | 0.27 | 16.1 ±1 | 16.0 0.9 | 16.7 ±1 | 327 ±2127 | 12.7 ±6 | 11.8 ±3 | 1267 ±576 | +95 | 5.8E-4 | 22.9 | 400 | 7.9 | 0.0530 | 94 | 0.0183 | 94 | 0.002500 | 7.9 | 0.08 | 385 | 7.5 | 0.0829 | 29 | 0.0297 | 32 | 0.002599 | 7.5 | 0.47 |
| 400-9.1 | 1.8E-2 | 21 | 0.3193 | 13.0 | 0.870 | 5.0 | 0.00868 | 6.7 | 33.82 | 105 | 102 | 0.22 | 0.06 | 1.04 | 0.27 | 15.7 ±2 | 15.5 ±1 | 16.2 ±2 | 406 ±4210 | 12.6 ±11 | 11.6 ±8 | 1237 ±1581 | +96 | 5.7E-4 | 72.7 | 411 | 11.5 | 0.0548 | 188 | 0.0184 | 188 | 0.002432 | 11.5 | 0.06 | 397 | 9.5 | 0.0817 | 81 | 0.0284 | 83 | 0.002519 | 9.5 | 0.32 |
| 400-10.1 | 2.7E-4 | 100 | 0.0525 | 4.6 | 0.524 | 3.7 | 0.00511 | 3.9 | 0.51 | 495 | 727 | 1.05 | 0.55 | 1.52 | 0.14 | 15.9 0.4 | 15.9 0.4 | 15.6 0.5 | 124 ±230 | 17.0 0.8 | 16.8 0.8 | -970 ±2159 | +87 | 8.3E-4 | 4.5 | 404 | 2.4 | 0.0485 | 10 | 0.0165 | 10 | 0.002472 | 2.4 | 0.24 | 413 | 3.5 | 0.0319 | 73 | 0.0107 | 75 | 0.002421 | 3.5 | 0.52 |
| 400-11.1 | 8.2E-4 | 100 | 0.0703 | 7.2 | 0.251 | 8.9 | 0.00468 | 4.2 | 1.53 | 183 | 126 | 0.38 | 0.09 | 0.71 | 0.25 | 15.7 0.6 | 15.5 0.6 | 15.7 0.7 | 546 ±492 | 15.5 ±3 | 13.3 ±2 | 594 ±249 | +97 | 6.6E-4 | 12.3 | 410 | 4.1 | 0.0584 | 23 | 0.0197 | 23 | 0.002441 | 4.1 | 0.18 | 409 | 4.5 | 0.0597 | 12 | 0.0201 | 13 | 0.002445 | 4.5 | 0.46 |
| 400-12.1 | 5.4E-3 | 45 | 0.1331 | 11.0 | 0.431 | 8.1 | 0.00691 | 4.9 | 10.12 | 93 | 61 | 0.20 | 0.05 | 0.67 | 0.32 | 16.5 ±1 | 16.4 0.7 | 16.2 0.9 | 363 ±1791 | 19.0 ±8 | 17.5 ±4 | -347 ±1139 | +96 | 8.7E-4 | 22.3 | 390 | 6.3 | 0.0538 | 79 | 0.0190 | 80 | 0.002566 | 6.3 | 0.08 | 397 | 5.4 | 0.0401 | 44 | 0.0139 | 46 | 0.002521 | 5.4 | 0.41 |
| 400-13.1 | 3.8E-3 | 58 | 0.1036 | 7.6 | 0.375 | 21.2 | 0.00547 | 3.1 | 7.06 | 99 | 85 | 0.22 | 0.05 | 0.88 | 0.33 | 16.4 0.8 | 16.4 0.3 | 16.7 0.8 | 93.6 ±1764 | 14.4 ±6 | 14.1 ±4 | 709 ±974 | +83 | 7.0E-4 | 25.9 | 392 | 4.6 | 0.0479 | 74 | 0.0168 | 75 | 0.002548 | 4.6 | 0.06 | 385 | 5.1 | 0.0630 | 46 | 0.0226 | 51 | 0.002598 | 5.1 | 0.94 |
| 400-14.1 | 1.5E-3 | 100 | 0.0618 | 10.0 | 0.326 | 11.0 | 0.00504 | 3.3 | 2.71 | 92 | 77 | 0.20 | 0.05 | 0.86 | 0.31 | 15.9 0.6 | 16.1 0.5 | 15.9 0.6 | -337 ±1478 | 16.1 ±4 | 17.0 ±2 | -405 ±897 | +105 | 8.4E-4 | 12.7 | 404 | 4.0 | 0.0402 | 57 | 0.0137 | 58 | 0.002474 | 4.0 | 0.07 | 405 | 4.0 | 0.0392 | 34 | 0.0133 | 37 | 0.002471 | 4.0 | 0.60 |
| 400-15.1 | 2.8E-2 | 17 | 0.4702 | 7.3 | 1.187 | 4.4 | 0.00898 | 10.5 | 52.32 | 247 | 347 | 0.79 | 0.16 | 1.45 | 2.21 | 21.2 ±4 | 20.6 ±3 | 24.4 ±5 | 861 ±4985 | 10.1 ±18 | 7.6 ±10 | 2544 ±1082 | +98 | 3.7E-4 | 129.0 | 303 | 20.5 | 0.0677 | 240 | 0.0308 | 241 | 0.003297 | 20.5 | 0.09 | 264 | 22.1 | 0.1687 | 65 | 0.0882 | 73 | 0.003794 | 22.1 | 0.50 |
| 400-16.1 | 1.2E-3 | 100 | 0.0673 | 15.0 | 0.302 | 10.0 | 0.00536 | 5.9 | 2.33 | 101 | 99 | 0.21 | 0.06 | 1.02 | 0.45 | 16.0 ±1 | 15.9 ±1 | 16.6 ±1 | 145 ±1028 | 12.8 ±3 | 12.5 ±2 | 1128 ±429 | +89 | 6.2E-4 | 16.1 | 403 | 6.8 | 0.0489 | 44 | 0.0168 | 44 | 0.002483 | 6.8 | 0.15 | 388 | 7.7 | 0.0773 | 22 | 0.0274 | 24 | 0.002575 | 7.7 | 0.47 |

Errors are 1-sigma; Pb_c and Pb_i indicate the common and radiogenic portions, respectively.
Error in Standard calibration was 0.32% (not included in above errors but required when comparing data from different mounts).
(1) Common Pb corrected using measured 204Pb.
(2) Common Pb corrected by assuming 206Pb/238U-207Pb/235U age-concordance
(3) Common Pb corrected by assuming 206Pb/238U-208Pb/232Th age-concordance