| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14D25679 | 1.8 % | ✓ | 0.1140638 | 1.422 | 120.06445 | 1.805 | 1.946993 | 2.094 | 155.98292 | 0.073 | 2756.496 | 0.007 | 17.52159 ± 0.02662 | 54.68 ± 0.08 | 99.10 | 18.35 | 0.558 ± 0.020 |
| 14D25681 | 1.9 % | ✓ | 0.0428509 | 3.227 | 58.02156 | 3.585 | 0.937942 | 3.932 | 78.56054 | 0.084 | 1384.794 | 0.011 | 17.52896 ± 0.03170 | 54.70 ± 0.10 | 99.39 | 9.24 | 0.582 ± 0.042 |
| 14D25682 | 2.0 % | ✓ | 0.0158249 | 8.374 | 19.46565 | 9.966 | 0.404097 | 9.285 | 28.94925 | 0.149 | 511.820 | 0.027 | 17.57563 ± 0.06072 | 54.84 ± 0.19 | 99.36 | 3.41 | 0.639 ± 0.127 |
| 14D25684 | 2.1 % | ✓ | 0.0179271 | 7.389 | 25.46618 | 7.829 | 0.513599 | 7.018 | 40.52770 | 0.117 | 711.650 | 0.020 | 17.48199 ± 0.04641 | 54.55 ± 0.14 | 99.52 | 4.77 | 0.684 ± 0.107 |
| 14D25685 | 2.2 % | ✓ | 0.0203152 | 6.437 | 24.99858 | 8.237 | 0.488875 | 7.603 | 38.29409 | 0.121 | 674.639 | 0.021 | 17.51589 ± 0.04833 | 54.66 ± 0.15 | 99.38 | 4.50 | 0.658 ± 0.108 |
| 14D25686 | 2.3 % | ✓ | 0.0181482 | 7.214 | 19.96563 | 10.401 | 0.468568 | 7.760 | 36.71039 | 0.126 | 645.219 | 0.022 | 17.47529 ± 0.05015 | 54.53 ± 0.15 | 99.39 | 4.32 | 0.790 ± 0.164 |
| 14D25688 | 2.4 % | ✓ | 0.0146830 | 8.873 | 15.36490 | 12.830 | 0.395433 | 9.603 | 29.48025 | 0.147 | 519.011 | 0.026 | 17.50168 ± 0.05942 | 54.61 ± 0.18 | 99.38 | 3.47 | 0.825 ± 0.212 |
| 14D25689 | 2.5 % | ✓ | 0.0119350 | 10.850 | 15.68646 | 12.608 | 0.312480 | 12.028 | 26.10929 | 0.171 | 459.138 | 0.031 | 17.50070 ± 0.06848 | 54.61 ± 0.21 | 99.48 | 3.07 | 0.715 ± 0.180 |
| 14D25690 | 2.6 % | | 0.0085997 | 14.845 | 5.93415 | 33.462 | 0.166162 | 22.272 | 13.71232 | 0.272 | 240.080 | 0.056 | 17.35834 ± 0.11350 | 54.17 ± 0.35 | 99.11 | 1.61 | 0.993 ± 0.665 |
| 14D25692 | 2.7 % | | 0.0131842 | 9.741 | 12.41293 | 15.988 | 0.323618 | 12.232 | 26.27683 | 0.164 | 459.545 | 0.029 | 17.37925 ± 0.06577 | 54.24 ± 0.20 | 99.34 | 3.09 | 0.910 ± 0.291 |
| 14D25693 | 2.8 % | | 0.0127017 | 10.378 | 12.22797 | 16.616 | 0.300973 | 12.306 | 24.17178 | 0.170 | 424.484 | 0.033 | 17.44785 ± 0.06983 | 54.45 ± 0.21 | 99.32 | 2.84 | 0.850 ± 0.282 |
| 14D25694 | 2.9 % | | 0.0131394 | 9.919 | 13.09603 | 14.966 | 0.312617 | 12.313 | 23.45558 | 0.191 | 408.661 | 0.034 | 17.30398 ± 0.07601 | 54.01 ± 0.23 | 99.28 | 2.76 | 0.770 ± 0.230 |
| 14D25696 | 3.0 % | | 0.0121759 | 10.562 | 9.44912 | 20.031 | 0.175094 | 20.752 | 20.04078 | 0.197 | 349.137 | 0.039 | 17.28059 ± 0.08060 | 53.93 ± 0.25 | 99.16 | 2.36 | 0.912 ± 0.365 |
| 14D25697 | 3.2 % | | 0.0070222 | 18.042 | 6.83180 | 28.386 | 0.101879 | 35.760 | 12.09679 | 0.312 | 210.510 | 0.063 | 17.27779 ± 0.12894 | 53.93 ± 0.40 | 99.25 | 1.42 | 0.761 ± 0.432 |
| 14D25698 | 3.4 % | | 0.0123916 | 10.471 | 10.90158 | 19.462 | 0.170585 | 21.698 | 16.31634 | 0.241 | 282.156 | 0.047 | 17.12488 ± 0.09859 | 53.46 ± 0.30 | 98.98 | 1.92 | 0.643 ± 0.250 |
| 14D25700 | 3.6 % | | 0.0175998 | 7.445 | 14.91357 | 13.787 | 0.314374 | 11.632 | 26.15440 | 0.164 | 450.274 | 0.030 | 17.06477 ± 0.06534 | 53.27 ± 0.20 | 99.08 | 3.08 | 0.754 ± 0.208 |
| 14D25701 | 3.9 % | | 0.0296290 | 4.365 | 18.30192 | 10.712 | 0.339819 | 11.493 | 26.63304 | 0.171 | 460.223 | 0.030 | 17.00961 ± 0.06662 | 53.10 ± 0.20 | 98.39 | 3.13 | 0.625 ± 0.134 |
| 14D25702 | 4.2 % | | 0.0075474 | 16.800 | 10.67678 | 18.510 | 0.134640 | 28.384 | 11.97788 | 0.321 | 206.857 | 0.064 | 17.16039 ± 0.13127 | 53.56 ± 0.40 | 99.31 | 1.41 | 0.482 ± 0.179 |
| 14D25704 | 4.5 % | | 0.0262242 | 4.979 | 19.56249 | 10.823 | 0.384227 | 9.782 | 27.56130 | 0.152 | 466.606 | 0.029 | 16.70880 ± 0.06021 | 52.17 ± 0.19 | 98.65 | 3.24 | 0.606 ± 0.131 |
| 14D25705 | 4.8 % | | 0.0130157 | 9.985 | 9.38115 | 21.816 | 0.154567 | 25.647 | 13.46113 | 0.289 | 231.782 | 0.058 | 16.99193 ± 0.11794 | 53.05 ± 0.36 | 98.64 | 1.58 | 0.617 ± 0.269 |
| 14D25706 | 5.1 % | | 0.0295726 | 4.424 | 24.77125 | 7.585 | 0.394134 | 9.352 | 25.31793 | 0.168 | 425.932 | 0.031 | 16.56261 ± 0.06541 | 51.72 ± 0.20 | 98.39 | 2.98 | 0.439 ± 0.067 |
| 14D25708 | 5.4 % | | 0.0281014 | 4.687 | 19.96952 | 9.843 | 0.270219 | 13.514 | 19.15671 | 0.212 | 322.955 | 0.042 | 16.51513 ± 0.08374 | 51.58 ± 0.26 | 97.89 | 2.25 | 0.412 ± 0.081 |
| 14D25709 | 5.8 % | | 0.0382043 | 3.426 | 24.08675 | 7.785 | 0.343706 | 10.962 | 21.73688 | 0.200 | 364.150 | 0.038 | 16.32920 ± 0.07666 | 51.01 ± 0.24 | 97.40 | 2.56 | 0.388 ± 0.060 |
| 14D25710 | 6.2 % | | 0.0185782 | 7.054 | 12.58489 | 15.523 | 0.134196 | 29.090 | 9.59818 | 0.399 | 162.276 | 0.082 | 16.44905 ± 0.15990 | 51.38 ± 0.49 | 97.21 | 1.13 | 0.328 ± 0.102 |
| 14D25712 | 6.8 % | | 0.0310996 | 4.284 | 25.98000 | 7.555 | 0.350770 | 10.854 | 18.10606 | 0.212 | 297.455 | 0.045 | 16.04621 ± 0.08406 | 50.13 ± 0.26 | 97.58 | 2.13 | 0.299 ± 0.045 |
| 14D25713 | 7.4 % | | 0.0292164 | 4.495 | 23.02195 | 8.366 | 0.260027 | 14.225 | 13.46985 | 0.280 | 221.514 | 0.060 | 15.95396 ± 0.11064 | 49.85 ± 0.34 | 96.90 | 1.58 | 0.251 ± 0.042 |
| 14D25714 | 8.3 % | | 0.0393051 | 3.447 | 34.43970 | 5.935 | 0.232311 | 15.696 | 13.60343 | 0.314 | 218.707 | 0.061 | 15.44582 ± 0.11786 | 48.28 ± 0.36 | 95.91 | 1.60 | 0.170 ± 0.020 |
| 14D25716 | 9.3 % | | 0.0482759 | 2.887 | 46.83340 | 4.188 | 0.295510 | 12.835 | 16.30201 | 0.242 | 262.298 | 0.051 | 15.46766 ± 0.09410 | 48.35 ± 0.29 | 95.95 | 1.91 | 0.149 ± 0.013 |
| 14D25717 | 10.4 % | | 0.0495690 | 2.680 | 51.33643 | 3.745 | 0.242904 | 16.040 | 13.86966 | 0.285 | 223.157 | 0.060 | 15.35978 ± 0.10861 | 48.02 ± 0.34 | 95.23 | 1.63 | 0.116 ± 0.009 |
| 14D25718 | 11.7 % | | 0.0495029 | 2.767 | 45.57863 | 4.288 | 0.169569 | 22.633 | 10.23779 | 0.378 | 165.577 | 0.079 | 15.13671 ± 0.14518 | 47.33 ± 0.45 | 93.31 | 1.20 | 0.096 ± 0.008 |
| 14D25720 | 13.5 % | | 0.0452323 | 3.008 | 36.89757 | 5.534 | 0.122656 | 30.532 | 7.10461 | 0.553 | 119.888 | 0.111 | 15.45282 ± 0.21411 | 48.30 ± 0.66 | 91.25 | 0.83 | 0.083 ± 0.009 |
| 14D25721 | 15.5 % | | 0.0261843 | 5.103 | 21.86151 | 9.328 | 0.061489 | 60.697 | 3.06452 | 1.223 | 51.582 | 0.252 | 14.93733 ± 0.46936 | 46.71 ± 1.45 | 88.32 | 0.36 | 0.060 ± 0.011 |
| 14D25722 | 17.6 % | | 0.0210462 | 6.469 | 15.08104 | 13.030 | 0.065048 | 56.906 | 2.32405 | 1.612 | 40.116 | 0.323 | 15.15986 ± 0.62664 | 47.40 ± 1.93 | 87.44 | 0.27 | 0.066 ± 0.017 |
| | | Σ | 0.8828669 | 0.864 | 825.16556 | 1.390 | 11.289080 | 1.916 | 850.36428 | 0.031 | 14728.691 | 0.005 | | | | | |

## Information on Analysis and Constants Used in Calculations

Project = **RURUTU (13-INT-08)**
Sample = **RR1310-D07-22B**
Material = **Groundmass**
Location = **Rurutu Hotspot**
Region = **Tuvalu**
Analyst = **Kevin Konrad**
Irradiation = **14-OSU-02 (2A43-14)**
Position = **X: 0 | Y: 0 | Z/H: 51.8 mm**
FCT-NM Age = **28.201 ± 0.023 Ma**
FCT-NM Reference = **Kuiper et al. (2008)**
FCT-NM 40Ar/39Ar Ratio = **8.97135 ± 0.00843**
FCT-NM J-value = **0.00175195 ± 0.00000165**
Air Shot 40Ar/36Ar = **304.0620 ± 0.4044**
Air Shot MDF = **0.99295122 ± 0.00066114 (LIN)**
Experiment Type = **Incremental Heating**
Extraction Method = **Bulk Laser Heating**
Heating = **77 sec**
Isolation = **10.00 min**
Instrument = **ARGUS-VI-D**
Preferred Age = **Plateau Age**
Age Classification = **Eruption Age**
IGSN = **IEKK1-RR1310-D07-22BGM1**
Rock Class = **Igneous>Volcanic>Mafic**
Lithology = **Basalt**
Lat-Lon = **5°58.1'S - 176°57.6'E**

Age Equations = **Min et al. (2000)**
Negative Intensities = **Allowed**
Collector Calibrations = **40Ar 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) = **0.0006756 ± 0.0000089**
Production 38/37(ca) = **0.0000718 ± 0.0000092**
Production 36/37(ca) = **0.0002663 ± 0.0000004**
Production 40/39(k) = **0.003823 ± 0.000102**
Production 38/39(k) = **0.012031 ± 0.000019**
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** | | 17.51547 ± 0.01781 (± 0.10%) | **54.66 ± 0.12 (± 0.21%)** | 1.42 | 51.12 | 0.575 ± 0.033 |
| | | Full External Error ± 1.23 | | 2.07 | 2σ Confidence Limit | |
| | | Analytical Error ± 0.05 | | 1.1901 | Error Magnification | |
| **Total Fusion Age** | | 17.09752 ± 0.01225 (± 0.07%) | **53.37 ± 0.11 (± 0.20%)** | | 33 | 0.443 ± 0.012 |
| | | Full External Error ± 1.20 | | | | |
| | | Analytical Error ± 0.04 | | | | |
| **Normal Isochron** | **490.19 ± 196.28 (± 40.04%)** | 17.43275 ± 0.08207 (± 0.47%) | **54.40 ± 0.27 (± 0.50%)** | 1.22 | 51.12 | |
| | | Full External Error ± 1.25 | | 2.15 | 2σ Confidence Limit | |
| | | Analytical Error ± 0.25 | | 1.1041 | Error Magnification | |
| | | | | 1 | Number of Iterations | |
| | | | | 0.0000074867 | Convergence | |
| **Inverse Isochron** | **417.37 ± 183.91 (± 44.06%)** | 17.46692 ± 0.08023 (± 0.46%) | **54.51 ± 0.27 (± 0.49%)** | 1.28 | 51.12 | |
| Clustered Points | | Full External Error ± 1.25 | | 2.15 | 2σ Confidence Limit | |
| | | Analytical Error ± 0.25 | | 1.1310 | Error Magnification | |
| | | | | 4 | Number of Iterations | |
| | | | | 0.0000180448 | Convergence | |
| | | | | 1% | Spreading Factor | |

**Notes**
There was a miscommunication, which led to the belief that this sample was preheted a higher temperature then it was and consequently some of the low temperature steps were lost. However, this samples still produced a long and reliable plateau.

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 14D25679 | 1.8 % | ✓ | 0.0820756 | 120.06445 | 0.0473777 | 155.90180 | 2731.647 | 54.68 ± 0.08 | 99.10 | 18.35 | 0.558 ± 0.020 |
| 14D25681 | 1.9 % | ✓ | 0.0273998 | 58.02156 | 0.0000000 | 78.52134 | 1376.398 | 54.70 ± 0.10 | 99.39 | 9.24 | 0.582 ± 0.042 |
| 14D25682 | 2.0 % | ✓ | 0.0106245 | 19.46565 | 0.0525834 | 28.93610 | 508.570 | 54.84 ± 0.19 | 99.36 | 3.41 | 0.639 ± 0.127 |
| 14D25684 | 2.1 % | ✓ | 0.0111384 | 25.46618 | 0.0223067 | 40.51049 | 708.204 | 54.55 ± 0.14 | 99.52 | 4.77 | 0.684 ± 0.107 |
| 14D25685 | 2.2 % | ✓ | 0.0136505 | 24.99858 | 0.0240162 | 38.27720 | 670.459 | 54.66 ± 0.15 | 99.38 | 4.50 | 0.658 ± 0.108 |
| 14D25686 | 2.3 % | ✓ | 0.0128240 | 19.96563 | 0.0232372 | 36.69690 | 641.289 | 54.53 ± 0.15 | 99.39 | 4.32 | 0.790 ± 0.164 |
| 14D25688 | 2.4 % | ✓ | 0.0105793 | 15.36490 | 0.0378002 | 29.46987 | 515.772 | 54.61 ± 0.18 | 99.38 | 3.47 | 0.825 ± 0.212 |
| 14D25689 | 2.5 % | ✓ | 0.0077576 | 15.68646 | 0.0000000 | 26.09869 | 456.746 | 54.61 ± 0.21 | 99.48 | 3.07 | 0.715 ± 0.180 |
| 14D25690 | 2.6 % | | 0.0070194 | 5.93415 | 0.0000000 | 13.70831 | 237.954 | 54.17 ± 0.35 | 99.11 | 1.61 | 0.993 ± 0.665 |
| 14D25692 | 2.7 % | | 0.0098771 | 12.41293 | 0.0048449 | 26.26844 | 456.526 | 54.24 ± 0.20 | 99.34 | 3.09 | 0.910 ± 0.291 |
| 14D25693 | 2.8 % | | 0.0094430 | 12.22797 | 0.0076190 | 24.16352 | 421.601 | 54.45 ± 0.21 | 99.32 | 2.84 | 0.850 ± 0.282 |
| 14D25694 | 2.9 % | | 0.0096431 | 13.09603 | 0.0277870 | 23.44673 | 405.722 | 54.01 ± 0.23 | 99.28 | 2.76 | 0.770 ± 0.230 |
| 14D25696 | 3.0 % | | 0.0096596 | 9.44912 | 0.0000000 | 20.03439 | 346.206 | 53.93 ± 0.25 | 99.16 | 2.36 | 0.912 ± 0.365 |
| 14D25697 | 3.2 % | | 0.0052029 | 6.83180 | 0.0000000 | 12.09218 | 208.926 | 53.93 ± 0.40 | 99.25 | 1.42 | 0.761 ± 0.432 |
| 14D25698 | 3.4 % | | 0.0094885 | 10.90158 | 0.0000000 | 16.30898 | 279.289 | 53.46 ± 0.30 | 98.98 | 1.92 | 0.643 ± 0.250 |
| 14D25700 | 3.6 % | | 0.0136283 | 14.91357 | 0.0000000 | 26.14432 | 446.147 | 53.27 ± 0.20 | 99.08 | 3.08 | 0.754 ± 0.208 |
| 14D25701 | 3.9 % | | 0.0247509 | 18.30192 | 0.0136056 | 26.62068 | 452.807 | 53.10 ± 0.20 | 98.39 | 3.13 | 0.625 ± 0.134 |
| 14D25702 | 4.2 % | | 0.0047042 | 10.67678 | 0.0000000 | 11.97066 | 205.421 | 53.56 ± 0.40 | 99.31 | 1.41 | 0.482 ± 0.179 |
| 14D25704 | 4.5 % | | 0.0209996 | 19.56249 | 0.0474667 | 27.54808 | 460.295 | 52.17 ± 0.19 | 98.65 | 3.24 | 0.606 ± 0.131 |
| 14D25705 | 4.8 % | | 0.0105175 | 9.38115 | 0.0000000 | 13.45479 | 228.623 | 53.05 ± 0.36 | 98.64 | 1.58 | 0.617 ± 0.269 |
| 14D25706 | 5.1 % | | 0.0229494 | 24.77125 | 0.0836674 | 25.30119 | 419.054 | 51.72 ± 0.20 | 98.39 | 2.98 | 0.439 ± 0.067 |
| 14D25708 | 5.4 % | | 0.0227726 | 19.96952 | 0.0342164 | 19.14322 | 316.153 | 51.58 ± 0.26 | 97.89 | 2.25 | 0.412 ± 0.081 |
| 14D25709 | 5.8 % | | 0.0317662 | 24.08675 | 0.0747192 | 21.72061 | 354.680 | 51.01 ± 0.24 | 97.40 | 2.56 | 0.388 ± 0.060 |
| 14D25710 | 6.2 % | | 0.0152220 | 12.58489 | 0.0150742 | 9.58968 | 157.741 | 51.38 ± 0.49 | 97.21 | 1.13 | 0.328 ± 0.102 |
| 14D25712 | 6.8 % | | 0.0241408 | 25.98000 | 0.1267697 | 18.08851 | 290.252 | 50.13 ± 0.26 | 97.58 | 2.13 | 0.299 ± 0.045 |
| 14D25713 | 7.4 % | | 0.0230564 | 23.02195 | 0.0921966 | 13.45429 | 214.649 | 49.85 ± 0.34 | 96.90 | 1.58 | 0.251 ± 0.042 |
| 14D25714 | 8.3 % | | 0.0301144 | 34.43970 | 0.0608264 | 13.58016 | 209.757 | 48.28 ± 0.36 | 95.91 | 1.60 | 0.170 ± 0.020 |
| 14D25716 | 9.3 % | | 0.0357756 | 46.83340 | 0.0897122 | 16.27037 | 251.664 | 48.35 ± 0.29 | 95.95 | 1.91 | 0.149 ± 0.013 |
| 14D25717 | 10.4 % | | 0.0358770 | 51.33643 | 0.0660638 | 13.83498 | 212.502 | 48.02 ± 0.34 | 95.23 | 1.63 | 0.116 ± 0.009 |
| 14D25718 | 11.7 % | | 0.0373537 | 45.57863 | 0.0365143 | 10.20700 | 154.500 | 47.33 ± 0.45 | 93.31 | 1.20 | 0.096 ± 0.008 |
| 14D25720 | 13.5 % | | 0.0353975 | 36.89757 | 0.0282153 | 7.07968 | 109.401 | 48.30 ± 0.66 | 91.25 | 0.83 | 0.083 ± 0.009 |
| 14D25721 | 15.5 % | | 0.0203564 | 21.86151 | 0.0194227 | 3.04975 | 45.555 | 46.71 ± 1.45 | 88.32 | 0.36 | 0.060 ± 0.011 |
| 14D25722 | 17.6 % | | 0.0170196 | 15.08104 | 0.0329466 | 2.31386 | 35.078 | 47.40 ± 1.93 | 87.44 | 0.27 | 0.066 ± 0.017 |
| | | Σ | 0.6627854 | 825.16556 | 1.0689894 | 849.80680 | 14529.589 | | | | |

| Information on Analysis |
|---|
| Project = **RURUTU (13-INT-08)** |
| Sample = **RR1310-D07-22B** |
| Material = **Groundmass** |
| Location = **Rurutu Hotspot** |
| Region = **Tuvalu** |
| Analyst = **Kevin Konrad** |
| Irradiation = **14-OSU-02 (2A43-14)** |
| J = **0.00175195 ± 0.00000165** |
| FCT-NM = **28.201 ± 0.023 Ma** |

| Results | 40(r)/39(k) ± 2σ | | Age ± 2σ (Ma) | | MSWD | 39Ar(k) (%,n) | K/Ca ± 2σ |
|---|---|---|---|---|---|---|---|
| **Age Plateau** | 17.51547 | ± 0.01781 | **54.66** | **± 0.12** | 1.42 | 51.12 | 0.575 ± 0.033 |
| | | ± 0.10% | | **± 0.21%** | 19% | 8 | |
| | | Full External Error | | ± 1.23 | 2.07 | 2σ Confidence Limit | |
| | | Analytical Error | | ± 0.05 | 1.1901 | Error Magnification | |
| **Total Fusion Age** | 17.09752 | ± 0.01225 | **53.37** | **± 0.11** | | 33 | 0.443 ± 0.012 |
| | | ± 0.07% | | **± 0.20%** | | | |
| | | Full External Error | | ± 1.20 | | | |
| | | Analytical Error | | ± 0.04 | | | |

| Normal Isochron | | | 39(k)/36(a) ± 2σ | 40(a+r)/36(a) ± 2σ | r.i. |
|---|---|---|---|---|---|
| 14D25679 | 1.8 % | ✓ | 1899.49 ± 79.77 | 33577.58 ± 1409.21 | 0.9994 |
| 14D25681 | 1.9 % | ✓ | 2865.76 ± 311.68 | 50529.35 ± 5494.95 | 0.9999 |
| 14D25682 | 2.0 % | ✓ | 2723.52 ± 729.27 | 48163.11 ± 12895.70 | 0.9999 |
| 14D25684 | 2.1 % | ✓ | 3637.02 ± 932.10 | 63877.87 ± 16369.97 | 1.0000 |
| 14D25685 | 2.2 % | ✓ | 2804.10 ± 582.65 | 49411.78 ± 10266.41 | 0.9999 |
| 14D25686 | 2.3 % | ✓ | 2861.59 ± 634.30 | 50302.61 ± 11149.45 | 0.9999 |
| 14D25688 | 2.4 % | ✓ | 2785.61 ± 739.76 | 49048.35 ± 13024.73 | 0.9999 |
| 14D25689 | 2.5 % | ✓ | 3364.25 ± 1212.55 | 59172.30 ± 21325.98 | 1.0000 |
| 14D25690 | 2.6 % | | 1952.91 ± 768.96 | 34194.76 ± 13463.00 | 0.9999 |
| 14D25692 | 2.7 % | | 2659.54 ± 747.95 | 46516.34 ± 13081.13 | 0.9999 |
| 14D25693 | 2.8 % | | 2558.89 ± 772.36 | 44942.65 ± 13564.37 | 0.9999 |
| 14D25694 | 2.9 % | | 2431.45 ± 708.08 | 42369.33 ± 12337.69 | 0.9999 |
| 14D25696 | 3.0 % | | 2074.03 ± 593.22 | 36136.02 ± 10334.81 | 0.9999 |
| 14D25697 | 3.2 % | | 2324.14 ± 1222.40 | 40451.44 ± 21274.29 | 0.9999 |
| 14D25698 | 3.4 % | | 1718.81 ± 512.78 | 29729.99 ± 8868.41 | 0.9999 |
| 14D25700 | 3.6 % | | 1918.38 ± 399.86 | 33032.19 ± 6884.33 | 0.9999 |
| 14D25701 | 3.9 % | | 1075.55 ± 121.28 | 18590.10 ± 2095.26 | 0.9995 |
| 14D25702 | 4.2 % | | 2544.69 ± 1485.39 | 43963.37 ± 25660.87 | 0.9999 |
| 14D25704 | 4.5 % | | 1311.84 ± 177.75 | 22214.70 ± 3009.25 | 0.9997 |
| 14D25705 | 4.8 % | | 1279.27 ± 342.92 | 22032.85 ± 5904.77 | 0.9998 |
| 14D25706 | 5.1 % | | 1102.48 ± 134.63 | 18555.42 ± 2265.13 | 0.9996 |
| 14D25708 | 5.4 % | | 840.62 ± 104.69 | 14178.51 ± 1764.85 | 0.9994 |
| 14D25709 | 5.8 % | | 683.76 ± 60.37 | 11460.82 ± 1010.85 | 0.9989 |
| 14D25710 | 6.2 % | | 629.99 ± 116.83 | 10658.20 ± 1974.70 | 0.9990 |
| 14D25712 | 6.8 % | | 749.29 ± 88.90 | 12318.82 ± 1460.65 | 0.9993 |
| 14D25713 | 7.4 % | | 583.54 ± 71.45 | 9605.26 ± 1174.85 | 0.9989 |
| 14D25714 | 8.3 % | | 450.95 ± 43.83 | 7260.82 ± 704.20 | 0.9978 |
| 14D25716 | 9.3 % | | 454.79 ± 37.91 | 7330.03 ± 610.05 | 0.9982 |
| 14D25717 | 10.4 % | | 385.62 ± 30.69 | 6218.57 ± 493.63 | 0.9973 |
| 14D25718 | 11.7 % | | 273.25 ± 21.54 | 4431.65 ± 347.84 | 0.9951 |
| 14D25720 | 13.5 % | | 200.00 ± 16.71 | 3386.14 ± 280.44 | 0.9908 |
| 14D25721 | 15.5 % | | 149.82 ± 21.55 | 2533.39 ± 359.27 | 0.9847 |
| 14D25722 | 17.6 % | | 135.95 ± 23.72 | 2356.52 ± 404.20 | 0.9819 |

| Results | 40(a)/36(a) ± 2σ | 40(r)/39(k) ± 2σ | Age ± 2σ (Ma) | MSWD |
|---|---|---|---|---|
| **Normal Isochron** | **490.19 ± 196.28 ± 40.04%** | 17.43275 ± 0.08207 ± 0.47% | **54.40 ± 0.27 ± 0.50%** | 1.22 29% |
| | | | Full External Error ± 1.25 | |
| | | | Analytical Error ± 0.25 | |

| Statistics | | | | |
|---|---|---|---|---|
| | 2σ Confidence Limit | 2.15 | Convergence | 0.000007486736 |
| | Error Magnification | 1.1041 | Number of Iterations | 1 |
| | Number of Data Points | 8 | Calculated Line | Weighted York-2 |

| Inverse Isochron | | | 39(k)/40(a+r) ± 2σ | | 36(a)/40(a+r) ± 2σ | | r.i. |
|---|---|---|---|---|---|---|---|
| 14D25679 | 1.8 % | ✓ | 0.0565702 | ± 0.0000833 | 0.00002978 | ± 0.00000125 | 0.0003 |
| 14D25681 | 1.9 % | ✓ | 0.0567148 | ± 0.0000959 | 0.00001979 | ± 0.00000215 | 0.0003 |
| 14D25682 | 2.0 % | ✓ | 0.0565479 | ± 0.0001715 | 0.00002076 | ± 0.00000556 | 0.0004 |
| 14D25684 | 2.1 % | ✓ | 0.0569371 | ± 0.0001351 | 0.00001565 | ± 0.00000401 | 0.0003 |
| 14D25685 | 2.2 % | ✓ | 0.0567496 | ± 0.0001396 | 0.00002024 | ± 0.00000420 | 0.0004 |
| 14D25686 | 2.3 % | ✓ | 0.0568875 | ± 0.0001452 | 0.00001988 | ± 0.00000441 | 0.0003 |
| 14D25688 | 2.4 % | ✓ | 0.0567931 | ± 0.0001698 | 0.00002039 | ± 0.00000541 | 0.0004 |
| 14D25689 | 2.5 % | ✓ | 0.0568552 | ± 0.0001972 | 0.00001690 | ± 0.00000609 | 0.0003 |
| 14D25690 | 2.6 % | | 0.0571114 | ± 0.0003177 | 0.00002924 | ± 0.00001151 | 0.0006 |
| 14D25692 | 2.7 % | | 0.0571744 | ± 0.0001903 | 0.00002150 | ± 0.00000605 | 0.0004 |
| 14D25693 | 2.8 % | | 0.0569368 | ± 0.0001974 | 0.00002225 | ± 0.00000672 | 0.0004 |
| 14D25694 | 2.9 % | | 0.0573871 | ± 0.0002230 | 0.00002360 | ± 0.00000687 | 0.0004 |
| 14D25696 | 3.0 % | | 0.0573952 | ± 0.0002309 | 0.00002767 | ± 0.00000791 | 0.0005 |
| 14D25697 | 3.2 % | | 0.0574550 | ± 0.0003665 | 0.00002472 | ± 0.00001300 | 0.0005 |
| 14D25698 | 3.4 % | | 0.0578142 | ± 0.0002842 | 0.00003364 | ± 0.00001003 | 0.0006 |
| 14D25700 | 3.6 % | | 0.0580760 | ± 0.0001936 | 0.00003027 | ± 0.00000631 | 0.0005 |
| 14D25701 | 3.9 % | | 0.0578558 | ± 0.0002005 | 0.00005379 | ± 0.00000606 | 0.0009 |
| 14D25702 | 4.2 % | | 0.0578820 | ± 0.0003791 | 0.00002275 | ± 0.00001328 | 0.0004 |
| 14D25704 | 4.5 % | | 0.0590526 | ± 0.0001834 | 0.00004502 | ± 0.00000610 | 0.0008 |
| 14D25705 | 4.8 % | | 0.0580622 | ± 0.0003429 | 0.00004539 | ± 0.00001216 | 0.0008 |
| 14D25706 | 5.1 % | | 0.0594154 | ± 0.0002031 | 0.00005389 | ± 0.00000658 | 0.0010 |
| 14D25708 | 5.4 % | | 0.0592886 | ± 0.0002561 | 0.00007053 | ± 0.00000878 | 0.0013 |
| 14D25709 | 5.8 % | | 0.0596610 | ± 0.0002428 | 0.00008725 | ± 0.00000770 | 0.0016 |
| 14D25710 | 6.2 % | | 0.0591083 | ± 0.0004818 | 0.00009382 | ± 0.00001738 | 0.0018 |
| 14D25712 | 6.8 % | | 0.0608251 | ± 0.0002645 | 0.00008118 | ± 0.00000963 | 0.0016 |
| 14D25713 | 7.4 % | | 0.0607521 | ± 0.0003486 | 0.00010411 | ± 0.00001273 | 0.0021 |
| 14D25714 | 8.3 % | | 0.0621076 | ± 0.0003985 | 0.00013773 | ± 0.00001336 | 0.0024 |
| 14D25716 | 9.3 % | | 0.0620447 | ± 0.0003083 | 0.00013643 | ± 0.00001135 | 0.0026 |
| 14D25717 | 10.4 % | | 0.0620114 | ± 0.0003625 | 0.00016081 | ± 0.00001277 | 0.0031 |
| 14D25718 | 11.7 % | | 0.0616594 | ± 0.0004783 | 0.00022565 | ± 0.00001771 | 0.0041 |
| 14D25720 | 13.5 % | | 0.0590658 | ± 0.0006691 | 0.00029532 | ± 0.00002446 | 0.0053 |
| 14D25721 | 15.5 % | | 0.0591376 | ± 0.0014843 | 0.00039473 | ± 0.00005598 | 0.0071 |
| 14D25722 | 17.6 % | | 0.0576920 | ± 0.0019063 | 0.00042435 | ± 0.00007279 | 0.0074 |

| Results | 40(a)/36(a) ± 2σ | | 40(r)/39(k) ± 2σ | | Age ± 2σ (Ma) | | MSWD |
|---|---|---|---|---|---|---|---|
| **Inverse Isochron** | **417.37** | **± 183.91** | 17.46692 | ± 0.08023 | **54.51** | **± 0.27** | 1.28 |
| **Clustered Points** | | **± 44.06%** | | ± 0.46% | | **± 0.49%** | 26% |
| | | | | | Full External Error | ± 1.25 | |
| | | | | | Analytical Error | ± 0.25 | |

| Statistics | | | | |
|---|---|---|---|---|
| | 2σ Confidence Limit | 2.15 | Convergence | 0.0000180448 |
| | Error Magnification | 1.1310 | Number of Iterations | 4 |
| | Number of Data Points | 8 | Calculated Line | Weighted York-2 |
| | Spreading Factor | 0.7% | | |

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14D25679 | 1.8 % | ✓ | 0.0820756 | 2.10 | 0.0000000 | 0.00 | 0.0319732 | 1.81 | 0.0000150 | 86.40 | 120.06445 | 1.80 | 0.0153399 | 2.10 | 0.0000000 | 0.00 | 1.875655 | 0.18 | 0.0086206 | 12.95 | 0.0473777 | 86.40 | 155.90180 | 0.07 | 0.0811155 | 2.24 | 2731.647 | 0.02 | 24.25334 | 2.10 | 0.0000000 | 0.00 | 0.5960126 | 2.66 |
| 14D25681 | 1.9 % | ✓ | 0.0273998 | 5.44 | 0.0000000 | 0.00 | 0.0154511 | 3.59 | 0.0000000 | 0.00 | 58.02156 | 3.58 | 0.0051210 | 5.44 | 0.0000000 | 0.00 | 0.944690 | 0.18 | 0.0041659 | 13.31 | 0.0000000 | 0.00 | 78.52134 | 0.08 | 0.0391994 | 3.82 | 1376.398 | 0.03 | 8.09664 | 5.44 | 0.0000000 | 0.00 | 0.3001871 | 2.66 |
| 14D25682 | 2.0 % | ✓ | 0.0106245 | 13.39 | 0.0000000 | 0.00 | 0.0051837 | 9.97 | 0.0000167 | 71.39 | 19.46565 | 9.97 | 0.0019857 | 13.39 | 0.0000000 | 0.00 | 0.348130 | 0.22 | 0.0013976 | 16.24 | 0.0525834 | 71.39 | 28.93610 | 0.15 | 0.0131510 | 10.05 | 508.570 | 0.09 | 3.13954 | 13.39 | 0.0000000 | 0.00 | 0.1106227 | 2.66 |
| 14D25684 | 2.1 % | ✓ | 0.0111384 | 12.81 | 0.0000000 | 0.00 | 0.0067816 | 7.83 | 0.0000071 | 161.66 | 25.46618 | 7.83 | 0.0020818 | 12.81 | 0.0000000 | 0.00 | 0.487382 | 0.20 | 0.0018285 | 15.02 | 0.0223067 | 161.66 | 40.51049 | 0.12 | 0.0172050 | 7.94 | 708.204 | 0.06 | 3.29139 | 12.81 | 0.0000000 | 0.00 | 0.1548716 | 2.66 |
| 14D25685 | 2.2 % | ✓ | 0.0136505 | 10.39 | 0.0000000 | 0.00 | 0.0066571 | 8.24 | 0.0000076 | 154.84 | 24.99858 | 8.24 | 0.0025513 | 10.39 | 0.0000000 | 0.00 | 0.460513 | 0.20 | 0.0017949 | 15.24 | 0.0240162 | 154.84 | 38.27720 | 0.12 | 0.0168890 | 8.34 | 670.459 | 0.07 | 4.03371 | 10.39 | 0.0000000 | 0.00 | 0.1463337 | 2.66 |
| 14D25686 | 2.3 % | ✓ | 0.0128240 | 11.08 | 0.0000000 | 0.00 | 0.0053168 | 10.40 | 0.0000074 | 156.55 | 19.96563 | 10.40 | 0.0023968 | 11.08 | 0.0000000 | 0.00 | 0.441500 | 0.20 | 0.0014335 | 16.51 | 0.0232372 | 156.55 | 36.69690 | 0.13 | 0.0134888 | 10.48 | 641.289 | 0.07 | 3.78948 | 11.08 | 0.0000000 | 0.00 | 0.1402923 | 2.66 |
| 14D25688 | 2.4 % | ✓ | 0.0105793 | 13.28 | 0.0000000 | 0.00 | 0.0040917 | 12.83 | 0.0000120 | 100.49 | 15.36490 | 12.83 | 0.0019773 | 13.28 | 0.0000000 | 0.00 | 0.354552 | 0.22 | 0.0011032 | 18.14 | 0.0378002 | 100.50 | 29.46987 | 0.15 | 0.0103805 | 12.90 | 515.772 | 0.08 | 3.12619 | 13.28 | 0.0000000 | 0.00 | 0.1126633 | 2.66 |
| 14D25689 | 2.5 % | ✓ | 0.0077576 | 18.02 | 0.0000000 | 0.00 | 0.0041773 | 12.61 | 0.0000000 | 0.00 | 15.68646 | 12.61 | 0.0014499 | 18.02 | 0.0000000 | 0.00 | 0.313993 | 0.23 | 0.0011263 | 17.98 | 0.0000000 | 0.00 | 26.09869 | 0.17 | 0.0105978 | 12.68 | 456.746 | 0.10 | 2.29239 | 18.02 | 0.0000000 | 0.00 | 0.0997753 | 2.67 |
| 14D25690 | 2.6 % | | 0.0070194 | 19.69 | 0.0000000 | 0.00 | 0.0015803 | 33.46 | 0.0000000 | 0.00 | 5.93415 | 33.46 | 0.0013119 | 19.69 | 0.0000000 | 0.00 | 0.164925 | 0.32 | 0.0004261 | 35.83 | 0.0000000 | 0.00 | 13.70831 | 0.27 | 0.0040091 | 33.49 | 237.954 | 0.18 | 2.07424 | 19.69 | 0.0000000 | 0.00 | 0.0524069 | 2.67 |
| 14D25692 | 2.7 % | | 0.0098771 | 14.06 | 0.0000000 | 0.00 | 0.0033056 | 15.99 | 0.0000015 | 817.24 | 12.41293 | 15.99 | 0.0018460 | 14.06 | 0.0000000 | 0.00 | 0.316036 | 0.23 | 0.0008912 | 20.49 | 0.0048449 | 817.24 | 26.26844 | 0.16 | 0.0083862 | 16.04 | 456.526 | 0.09 | 2.91867 | 14.06 | 0.0000000 | 0.00 | 0.1004243 | 2.67 |
| 14D25693 | 2.8 % | | 0.0094430 | 15.09 | 0.0000000 | 0.00 | 0.0032563 | 16.62 | 0.0000024 | 486.24 | 12.22797 | 16.62 | 0.0017649 | 15.09 | 0.0000000 | 0.00 | 0.290711 | 0.23 | 0.0008780 | 20.99 | 0.0076190 | 486.25 | 24.16352 | 0.17 | 0.0082612 | 16.67 | 421.601 | 0.11 | 2.79040 | 15.09 | 0.0000000 | 0.00 | 0.0923771 | 2.67 |
| 14D25694 | 2.9 % | | 0.0096431 | 14.56 | 0.0000000 | 0.00 | 0.0034875 | 14.97 | 0.0000088 | 138.56 | 13.09603 | 14.97 | 0.0018023 | 14.56 | 0.0000000 | 0.00 | 0.282088 | 0.25 | 0.0009403 | 19.71 | 0.0277870 | 138.57 | 23.44673 | 0.19 | 0.0088477 | 15.02 | 405.722 | 0.11 | 2.84953 | 14.56 | 0.0000000 | 0.00 | 0.0896369 | 2.67 |
| 14D25696 | 3.0 % | | 0.0096596 | 14.30 | 0.0000000 | 0.00 | 0.0025163 | 20.03 | 0.0000000 | 0.00 | 9.44912 | 20.03 | 0.0018054 | 14.30 | 0.0000000 | 0.00 | 0.241034 | 0.25 | 0.0006784 | 23.78 | 0.0000000 | 0.00 | 20.03439 | 0.20 | 0.0063838 | 20.07 | 346.206 | 0.12 | 2.85442 | 14.30 | 0.0000000 | 0.00 | 0.0765915 | 2.67 |
| 14D25697 | 3.2 % | | 0.0052029 | 26.30 | 0.0000000 | 0.00 | 0.0018193 | 28.39 | 0.0000000 | 0.00 | 6.83180 | 28.39 | 0.0009724 | 26.30 | 0.0000000 | 0.00 | 0.145481 | 0.35 | 0.0004905 | 31.15 | 0.0000000 | 0.00 | 12.09218 | 0.31 | 0.0046156 | 28.42 | 208.926 | 0.20 | 1.53745 | 26.30 | 0.0000000 | 0.00 | 0.0462284 | 2.68 |
| 14D25698 | 3.4 % | | 0.0094885 | 14.91 | 0.0000000 | 0.00 | 0.0029031 | 19.46 | 0.0000000 | 0.00 | 10.90158 | 19.46 | 0.0017734 | 14.91 | 0.0000000 | 0.00 | 0.196213 | 0.29 | 0.0007827 | 23.31 | 0.0000000 | 0.00 | 16.30898 | 0.24 | 0.0073651 | 19.51 | 279.289 | 0.16 | 2.80385 | 14.91 | 0.0000000 | 0.00 | 0.0623492 | 2.67 |
| 14D25700 | 3.6 % | | 0.0136283 | 10.42 | 0.0000000 | 0.00 | 0.0039715 | 13.79 | 0.0000000 | 0.00 | 14.91357 | 13.79 | 0.0025471 | 10.42 | 0.0000000 | 0.00 | 0.314542 | 0.23 | 0.0010708 | 18.83 | 0.0000000 | 0.00 | 26.14432 | 0.16 | 0.0100756 | 13.85 | 446.147 | 0.10 | 4.02718 | 10.42 | 0.0000000 | 0.00 | 0.0999497 | 2.67 |
| 14D25701 | 3.9 % | | 0.0247509 | 5.64 | 0.0000000 | 0.00 | 0.0048738 | 10.71 | 0.0000043 | 287.13 | 18.30192 | 10.71 | 0.0046259 | 5.64 | 0.0000000 | 0.00 | 0.320273 | 0.23 | 0.0013141 | 16.71 | 0.0136056 | 287.13 | 26.62068 | 0.17 | 0.0123648 | 10.79 | 452.807 | 0.10 | 7.31388 | 5.64 | 0.0000000 | 0.00 | 0.1017709 | 2.67 |
| 14D25702 | 4.2 % | | 0.0047042 | 29.18 | 0.0000000 | 0.00 | 0.0028432 | 18.51 | 0.0000000 | 0.00 | 10.67678 | 18.51 | 0.0008792 | 29.18 | 0.0000000 | 0.00 | 0.144019 | 0.36 | 0.0007666 | 22.52 | 0.0000000 | 0.00 | 11.97066 | 0.32 | 0.0072132 | 18.56 | 205.421 | 0.21 | 1.39008 | 29.18 | 0.0000000 | 0.00 | 0.0457638 | 2.68 |
| 14D25704 | 4.5 % | | 0.0209996 | 6.77 | 0.0000000 | 0.00 | 0.0052095 | 10.82 | 0.0000151 | 79.21 | 19.56249 | 10.82 | 0.0039248 | 6.77 | 0.0000000 | 0.00 | 0.331431 | 0.22 | 0.0014046 | 16.78 | 0.0474667 | 79.22 | 27.54808 | 0.15 | 0.0132164 | 10.90 | 460.295 | 0.10 | 6.20540 | 6.77 | 0.0000000 | 0.00 | 0.1053163 | 2.66 |
| 14D25705 | 4.8 % | | 0.0105175 | 13.40 | 0.0000000 | 0.00 | 0.0024982 | 21.82 | 0.0000000 | 0.00 | 9.38115 | 21.82 | 0.0019657 | 13.40 | 0.0000000 | 0.00 | 0.161875 | 0.33 | 0.0006736 | 25.30 | 0.0000000 | 0.00 | 13.45479 | 0.29 | 0.0063379 | 21.86 | 228.623 | 0.19 | 3.10793 | 13.40 | 0.0000000 | 0.00 | 0.0514377 | 2.68 |
| 14D25706 | 5.1 % | | 0.0229494 | 6.10 | 0.0000000 | 0.00 | 0.0065966 | 7.59 | 0.0000266 | 44.08 | 24.77125 | 7.59 | 0.0042892 | 6.10 | 0.0000000 | 0.00 | 0.304399 | 0.23 | 0.0017786 | 14.90 | 0.0836674 | 44.09 | 25.30119 | 0.17 | 0.0167355 | 7.70 | 419.054 | 0.10 | 6.78154 | 6.10 | 0.0000000 | 0.00 | 0.0967265 | 2.67 |
| 14D25708 | 5.4 % | | 0.0227726 | 6.22 | 0.0000000 | 0.00 | 0.0053179 | 9.84 | 0.0000109 | 106.75 | 19.96952 | 9.84 | 0.0042562 | 6.22 | 0.0000000 | 0.00 | 0.230312 | 0.27 | 0.0014338 | 16.16 | 0.0342164 | 106.76 | 19.14322 | 0.21 | 0.0134914 | 9.93 | 316.153 | 0.14 | 6.72932 | 6.22 | 0.0000000 | 0.00 | 0.0731845 | 2.67 |
| 14D25709 | 5.8 % | | 0.0317662 | 4.41 | 0.0000000 | 0.00 | 0.0064143 | 7.79 | 0.0000238 | 50.44 | 24.08675 | 7.79 | 0.0059371 | 4.41 | 0.0000000 | 0.00 | 0.261321 | 0.26 | 0.0017294 | 15.00 | 0.0747192 | 50.45 | 21.72061 | 0.20 | 0.0162730 | 7.90 | 354.680 | 0.12 | 9.38693 | 4.41 | 0.0000000 | 0.00 | 0.0830379 | 2.67 |
| 14D25710 | 6.2 % | | 0.0152220 | 9.26 | 0.0000000 | 0.00 | 0.0033514 | 15.52 | 0.0000048 | 259.02 | 12.58489 | 15.52 | 0.0028450 | 9.26 | 0.0000000 | 0.00 | 0.115373 | 0.43 | 0.0009036 | 20.13 | 0.0150742 | 259.02 | 9.58968 | 0.40 | 0.0085024 | 15.58 | 157.741 | 0.28 | 4.49810 | 9.26 | 0.0000000 | 0.00 | 0.0366614 | 2.69 |
| 14D25712 | 6.8 % | | 0.0241408 | 5.93 | 0.0000000 | 0.00 | 0.0069185 | 7.56 | 0.0000403 | 30.05 | 25.98000 | 7.56 | 0.0045119 | 5.93 | 0.0000000 | 0.00 | 0.217623 | 0.27 | 0.0018654 | 14.88 | 0.1267697 | 30.07 | 18.08851 | 0.21 | 0.0175521 | 7.67 | 290.252 | 0.15 | 7.13359 | 5.93 | 0.0000000 | 0.00 | 0.0691524 | 2.67 |
| 14D25713 | 7.4 % | | 0.0230564 | 6.12 | 0.0000000 | 0.00 | 0.0061307 | 8.37 | 0.0000293 | 40.14 | 23.02195 | 8.37 | 0.0043092 | 6.12 | 0.0000000 | 0.00 | 0.161869 | 0.32 | 0.0016530 | 15.31 | 0.0921966 | 40.15 | 13.45429 | 0.28 | 0.0155536 | 8.47 | 214.649 | 0.20 | 6.81316 | 6.12 | 0.0000000 | 0.00 | 0.0514358 | 2.67 |
| 14D25714 | 8.3 % | | 0.0301144 | 4.85 | 0.0000000 | 0.00 | 0.0091713 | 5.94 | 0.0000194 | 59.97 | 34.43970 | 5.93 | 0.0056284 | 4.85 | 0.0000000 | 0.00 | 0.163383 | 0.35 | 0.0024728 | 14.13 | 0.0608264 | 59.98 | 13.58016 | 0.31 | 0.0232675 | 6.08 | 209.757 | 0.22 | 8.89882 | 4.85 | 0.0000000 | 0.00 | 0.0519170 | 2.68 |
| 14D25716 | 9.3 % | | 0.0357756 | 4.16 | 0.0000000 | 0.00 | 0.0124717 | 4.19 | 0.0000285 | 42.30 | 46.83340 | 4.19 | 0.0066865 | 4.16 | 0.0000000 | 0.00 | 0.195749 | 0.29 | 0.0033626 | 13.49 | 0.0897122 | 42.31 | 16.27037 | 0.24 | 0.0316406 | 4.39 | 251.664 | 0.18 | 10.57169 | 4.16 | 0.0000000 | 0.00 | 0.0622016 | 2.67 |
| 14D25717 | 10.4 % | | 0.0358770 | 3.97 | 0.0000000 | 0.00 | 0.0136709 | 3.75 | 0.0000210 | 59.00 | 51.33643 | 3.74 | 0.0067054 | 3.97 | 0.0000000 | 0.00 | 0.166449 | 0.33 | 0.0036860 | 13.36 | 0.0660638 | 59.00 | 13.83498 | 0.29 | 0.0346829 | 3.97 | 212.502 | 0.21 | 10.60167 | 3.97 | 0.0000000 | 0.00 | 0.0528911 | 2.68 |
| 14D25718 | 11.7 % | | 0.0373537 | 3.92 | 0.0000000 | 0.00 | 0.0121376 | 4.29 | 0.0000116 | 105.14 | 45.57863 | 4.29 | 0.0069814 | 3.92 | 0.0000000 | 0.00 | 0.122800 | 0.41 | 0.0032725 | 13.52 | 0.0365143 | 105.14 | 10.20700 | 0.38 | 0.0307929 | 4.49 | 154.500 | 0.29 | 11.03802 | 3.92 | 0.0000000 | 0.00 | 0.0390214 | 2.69 |
| 14D25720 | 13.5 % | | 0.0353975 | 4.14 | 0.0000000 | 0.00 | 0.0098258 | 5.54 | 0.0000090 | 132.76 | 36.89757 | 5.53 | 0.0066158 | 4.14 | 0.0000000 | 0.00 | 0.085176 | 0.58 | 0.0026492 | 13.96 | 0.0282153 | 132.76 | 7.07968 | 0.56 | 0.0249280 | 5.69 | 109.401 | 0.41 | 10.45996 | 4.14 | 0.0000000 | 0.00 | 0.0270656 | 2.72 |
| 14D25721 | 15.5 % | | 0.0203564 | 7.09 | 0.0000000 | 0.00 | 0.0058217 | 9.33 | 0.0000062 | 192.19 | 21.86151 | 9.33 | 0.0038046 | 7.09 | 0.0000000 | 0.00 | 0.036692 | 1.24 | 0.0015697 | 15.85 | 0.0194227 | 192.19 | 3.04975 | 1.23 | 0.0147696 | 9.42 | 45.555 | 0.98 | 6.01530 | 7.09 | 0.0000000 | 0.00 | 0.0116592 | 2.93 |
| 14D25722 | 17.6 % | | 0.0170196 | 8.57 | 0.0000000 | 0.00 | 0.0040161 | 13.03 | 0.0000105 | 112.38 | 15.08104 | 13.03 | 0.0031810 | 8.57 | 0.0000000 | 0.00 | 0.027838 | 1.63 | 0.0010828 | 18.28 | 0.0329466 | 112.38 | 2.31386 | 1.62 | 0.0101887 | 13.10 | 35.078 | 1.28 | 5.02929 | 8.57 | 0.0000000 | 0.00 | 0.0088459 | 3.11 |
| | | Σ | 0.6627854 | 1.24 | 0.0000000 | 0.00 | 0.2197416 | 1.39 | 0.0003399 | 17.32 | 825.16556 | 1.39 | 0.1238746 | 1.24 | 0.0000000 | 0.00 | 10.224026 | 0.05 | 0.0592469 | 3.23 | 1.0689894 | 17.32 | 849.80680 | 0.03 | 0.5574819 | 1.42 | 14529.589 | 0.02 | 195.85308 | 1.24 | 0.0000000 | 0.00 | 3.2488114 | 0.67 |
| | | Σ | | | | | | | 0.8828669 | 0.99 | 825.16556 | 1.39 | | | | | | | | | 11.476136 | 1.61 | | | 850.36428 | 0.03 | | | | | | | 14728.691 | 0.02 |

| Additional Parameters | | | 40Ar/39Ar | 1σ | 37Ar/39Ar | 1σ | 36Ar/39Ar | 1σ | Time (days) | 37Ar (decay) | 39Ar (decay) | 40Ar (moles) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14D25679 | 1.8 % | ✓ | 17.671782 | 0.013006 | 0.769728 | 0.013902 | 0.000731 | 0.000010 | 195.510 | 47.663982 | 1.00138135 | 1.323E-10 |
| 14D25681 | 1.9 % | ✓ | 17.627099 | 0.014894 | 0.738559 | 0.026483 | 0.000545 | 0.000018 | 195.533 | 47.685562 | 1.00138151 | 6.647E-11 |
| 14D25682 | 2.0 % | ✓ | 17.679917 | 0.026786 | 0.672406 | 0.067017 | 0.000547 | 0.000046 | 195.544 | 47.696028 | 1.00138159 | 2.457E-11 |
| 14D25684 | 2.1 % | ✓ | 17.559600 | 0.020809 | 0.628365 | 0.049203 | 0.000442 | 0.000033 | 195.567 | 47.717623 | 1.00138175 | 3.416E-11 |
| 14D25685 | 2.2 % | ✓ | 17.617322 | 0.021645 | 0.652805 | 0.053777 | 0.000531 | 0.000034 | 195.578 | 47.728751 | 1.00138184 | 3.238E-11 |
| 14D25686 | 2.3 % | ✓ | 17.575920 | 0.022417 | 0.543869 | 0.056570 | 0.000494 | 0.000036 | 195.590 | 47.739227 | 1.00138192 | 3.097E-11 |
| 14D25688 | 2.4 % | ✓ | 17.605383 | 0.026290 | 0.521193 | 0.066874 | 0.000498 | 0.000044 | 195.613 | 47.760841 | 1.00138208 | 2.491E-11 |
| 14D25689 | 2.5 % | ✓ | 17.585222 | 0.030476 | 0.600800 | 0.075758 | 0.000457 | 0.000050 | 195.624 | 47.771324 | 1.00138216 | 2.204E-11 |
| 14D25690 | 2.6 % | | 17.508355 | 0.048661 | 0.432761 | 0.144816 | 0.000627 | 0.000093 | 195.635 | 47.782465 | 1.00138224 | 1.152E-11 |
| 14D25692 | 2.7 % | | 17.488600 | 0.029088 | 0.472391 | 0.075531 | 0.000502 | 0.000049 | 195.658 | 47.804099 | 1.00138240 | 2.206E-11 |
| 14D25693 | 2.8 % | | 17.561150 | 0.030419 | 0.505878 | 0.084063 | 0.000525 | 0.000055 | 195.669 | 47.814591 | 1.00138248 | 2.038E-11 |
| 14D25694 | 2.9 % | | 17.422759 | 0.033829 | 0.558333 | 0.083568 | 0.000560 | 0.000056 | 195.681 | 47.825742 | 1.00138256 | 1.962E-11 |
| 14D25696 | 3.0 % | | 17.421337 | 0.035015 | 0.471495 | 0.094449 | 0.000608 | 0.000064 | 195.703 | 47.846739 | 1.00138272 | 1.676E-11 |
| 14D25697 | 3.2 % | | 17.402117 | 0.055453 | 0.564761 | 0.160322 | 0.000580 | 0.000105 | 195.715 | 47.857897 | 1.00138280 | 1.010E-11 |
| 14D25698 | 3.4 % | | 17.292817 | 0.042450 | 0.668139 | 0.130043 | 0.000759 | 0.000080 | 195.726 | 47.868402 | 1.00138288 | 1.354E-11 |
| 14D25700 | 3.6 % | | 17.215996 | 0.028672 | 0.570213 | 0.078621 | 0.000673 | 0.000050 | 195.749 | 47.890074 | 1.00138304 | 2.161E-11 |
| 14D25701 | 3.9 % | | 17.280149 | 0.029922 | 0.687189 | 0.073623 | 0.001112 | 0.000049 | 195.761 | 47.901243 | 1.00138313 | 2.209E-11 |
| 14D25702 | 4.2 % | | 17.269931 | 0.056488 | 0.891375 | 0.165016 | 0.000630 | 0.000106 | 195.772 | 47.911757 | 1.00138321 | 9.929E-12 |
| 14D25704 | 4.5 % | | 16.929757 | 0.026258 | 0.709781 | 0.076830 | 0.000951 | 0.000047 | 195.795 | 47.933449 | 1.00138337 | 2.240E-11 |
| 14D25705 | 4.8 % | | 17.218632 | 0.050785 | 0.696907 | 0.152048 | 0.000967 | 0.000097 | 195.806 | 47.943970 | 1.00138345 | 1.113E-11 |
| 14D25706 | 5.1 % | | 16.823334 | 0.028720 | 0.978407 | 0.074234 | 0.001168 | 0.000052 | 195.818 | 47.955151 | 1.00138353 | 2.044E-11 |
| 14D25708 | 5.4 % | | 16.858601 | 0.036371 | 1.042429 | 0.102631 | 0.001467 | 0.000069 | 195.841 | 47.976863 | 1.00138369 | 1.550E-11 |
| 14D25709 | 5.8 % | | 16.752641 | 0.034048 | 1.108105 | 0.086297 | 0.001758 | 0.000060 | 195.852 | 47.987393 | 1.00138377 | 1.748E-11 |
| 14D25710 | 6.2 % | | 16.906941 | 0.068801 | 1.311174 | 0.203600 | 0.001936 | 0.000137 | 195.863 | 47.997926 | 1.00138385 | 7.789E-12 |
| 14D25712 | 6.8 % | | 16.428467 | 0.035669 | 1.434879 | 0.108450 | 0.001718 | 0.000074 | 195.886 | 48.019657 | 1.00138401 | 1.428E-11 |
| 14D25713 | 7.4 % | | 16.445161 | 0.047104 | 1.709147 | 0.143068 | 0.002169 | 0.000098 | 195.898 | 48.030856 | 1.00138409 | 1.063E-11 |
| 14D25714 | 8.3 % | | 16.077378 | 0.051468 | 2.531693 | 0.150456 | 0.002889 | 0.000100 | 195.909 | 48.041398 | 1.00138417 | 1.050E-11 |
| 14D25716 | 9.3 % | | 16.089939 | 0.039883 | 2.872860 | 0.120528 | 0.002961 | 0.000086 | 195.932 | 48.063149 | 1.00138434 | 1.259E-11 |
| 14D25717 | 10.4 % | | 16.089558 | 0.046891 | 3.701347 | 0.139010 | 0.003574 | 0.000096 | 195.943 | 48.073698 | 1.00138441 | 1.071E-11 |
| 14D25718 | 11.7 % | | 16.173160 | 0.062515 | 4.451996 | 0.191625 | 0.004835 | 0.000135 | 195.955 | 48.084910 | 1.00138450 | 7.948E-12 |
| 14D25720 | 13.5 % | | 16.874685 | 0.095195 | 5.193473 | 0.288835 | 0.006367 | 0.000195 | 195.978 | 48.106680 | 1.00138466 | 5.755E-12 |
| 14D25721 | 15.5 % | | 16.832031 | 0.210117 | 7.133739 | 0.671125 | 0.008544 | 0.000448 | 195.989 | 48.117239 | 1.00138474 | 2.476E-12 |
| 14D25722 | 17.6 % | | 17.261227 | 0.283807 | 6.489123 | 0.851985 | 0.009056 | 0.000604 | 196.001 | 48.128461 | 1.00138482 | 1.926E-12 |

| Procedure Blanks | | 36Ar ± 1σ (SE) [fA] | 37Ar ± 1σ (SE) [fA] | 38Ar ± 1σ (SE) [fA] | 39Ar ± 1σ (SE) [fA] | 40Ar ± 1σ (SE) [fA] |
|---|---|---|---|---|---|---|
| 14D25679 | 1.8 % | 0.0296922 ± 0.0011074 | 0.0246001 ± 0.0280872 | 0.0747819 ± 0.0257012 | 0.0029065 ± 0.0279128 | 8.6095055 ± 0.1262121 |
| 14D25681 | 1.9 % | 0.0293381 ± 0.0011074 | 0.0111827 ± 0.0280872 | 0.0753066 ± 0.0257012 | 0.0000545 ± 0.0279128 | 8.5721800 ± 0.1262121 |
| 14D25682 | 2.0 % | 0.0291895 ± 0.0011074 | 0.0066396 ± 0.0280872 | 0.0740994 ± 0.0257012 | 0.0012680 ± 0.0279128 | 8.5553359 ± 0.1262121 |
| 14D25684 | 2.1 % | 0.0289253 ± 0.0011074 | 0.0007310 ± 0.0280872 | 0.0694587 ± 0.0257012 | 0.0033829 ± 0.0279128 | 8.5232578 ± 0.1262121 |
| 14D25685 | 2.2 % | 0.0288092 ± 0.0011074 | 0.0007280 ± 0.0280872 | 0.0662689 ± 0.0257012 | 0.0042956 ± 0.0279128 | 8.5081555 ± 0.1262121 |
| 14D25686 | 2.3 % | 0.0287109 ± 0.0011074 | 0.0012557 ± 0.0280872 | 0.0629585 ± 0.0257012 | 0.0050603 ± 0.0279128 | 8.4948345 ± 0.1262121 |
| 14D25688 | 2.4 % | 0.0285386 ± 0.0011074 | 0.0001549 ± 0.0280872 | 0.0556984 ± 0.0257012 | 0.0063909 ± 0.0279128 | 8.4701025 ± 0.1262121 |
| 14D25689 | 2.5 % | 0.0284680 ± 0.0011074 | 0.0012593 ± 0.0280872 | 0.0521871 ± 0.0257012 | 0.0069346 ± 0.0279128 | 8.4594375 ± 0.1262121 |
| 14D25690 | 2.6 % | 0.0284013 ± 0.0011074 | 0.0032675 ± 0.0280872 | 0.0486026 ± 0.0257012 | 0.0074514 ± 0.0279128 | 8.4490467 ± 0.1262121 |
| 14D25692 | 2.7 % | 0.0282930 ± 0.0011074 | 0.0083133 ± 0.0280872 | 0.0424204 ± 0.0257012 | 0.0083049 ± 0.0279128 | 8.4315997 ± 0.1262121 |
| 14D25693 | 2.8 % | 0.0282493 ± 0.0011074 | 0.0111538 ± 0.0280872 | 0.0399296 ± 0.0257012 | 0.0086594 ± 0.0279128 | 8.4244060 ± 0.1262121 |
| 14D25694 | 2.9 % | 0.0282084 ± 0.0011074 | 0.0143530 ± 0.0280872 | 0.0377255 ± 0.0257012 | 0.0090006 ± 0.0279128 | 8.4176423 ± 0.1262121 |
| 14D25696 | 3.0 % | 0.0281446 ± 0.0011074 | 0.0206274 ± 0.0280872 | 0.0349715 ± 0.0257012 | 0.0095583 ± 0.0279128 | 8.4072787 ± 0.1262121 |
| 14D25697 | 3.2 % | 0.0281169 ± 0.0011074 | 0.0239688 ± 0.0280872 | 0.0343071 ± 0.0257012 | 0.0098152 ± 0.0279128 | 8.4029744 ± 0.1262121 |
| 14D25698 | 3.4 % | 0.0280942 ± 0.0011074 | 0.0270469 ± 0.0280872 | 0.0342066 ± 0.0257012 | 0.0100343 ± 0.0279128 | 8.3996442 ± 0.1262121 |
| 14D25700 | 3.6 % | 0.0280565 ± 0.0011074 | 0.0329920 ± 0.0280872 | 0.0356004 ± 0.0257012 | 0.0104178 ± 0.0279128 | 8.3948384 ± 0.1262121 |
| 14D25701 | 3.9 % | 0.0280413 ± 0.0011074 | 0.0357495 ± 0.0280872 | 0.0371279 ± 0.0257012 | 0.0105781 ± 0.0279128 | 8.3933621 ± 0.1262121 |
| 14D25702 | 4.2 % | 0.0280294 ± 0.0011074 | 0.0381040 ± 0.0280872 | 0.0390310 ± 0.0257012 | 0.0107035 ± 0.0279128 | 8.3925354 ± 0.1262121 |
| 14D25704 | 4.5 % | 0.0280115 ± 0.0011074 | 0.0420921 ± 0.0280872 | 0.0442015 ± 0.0257012 | 0.0108723 ± 0.0279128 | 8.3923575 ± 0.1262121 |
| 14D25705 | 4.8 % | 0.0280061 ± 0.0011074 | 0.0435521 ± 0.0280872 | 0.0472005 ± 0.0257012 | 0.0109029 ± 0.0279128 | 8.3929100 ± 0.1262121 |
| 14D25706 | 5.1 % | 0.0280026 ± 0.0011074 | 0.0447336 ± 0.0280872 | 0.0506395 ± 0.0257012 | 0.0108914 ± 0.0279128 | 8.3938747 ± 0.1262121 |
| 14D25708 | 5.4 % | 0.0280029 ± 0.0011074 | 0.0458743 ± 0.0280872 | 0.0576975 ± 0.0257012 | 0.0107142 ± 0.0279128 | 8.3966053 ± 0.1262121 |
| 14D25709 | 5.8 % | 0.0280067 ± 0.0011074 | 0.0458588 ± 0.0280872 | 0.0611042 ± 0.0257012 | 0.0105401 ± 0.0279128 | 8.3982089 ± 0.1262121 |
| 14D25710 | 6.2 % | 0.0280131 ± 0.0011074 | 0.0454651 ± 0.0280872 | 0.0643572 ± 0.0257012 | 0.0102979 ± 0.0279128 | 8.3999077 ± 0.1262121 |
| 14D25712 | 6.8 % | 0.0280357 ± 0.0011074 | 0.0434621 ± 0.0280872 | 0.0700645 ± 0.0257012 | 0.0095443 ± 0.0279128 | 8.4034178 ± 0.1262121 |
| 14D25713 | 7.4 % | 0.0280531 ± 0.0011074 | 0.0418168 ± 0.0280872 | 0.0721736 ± 0.0257012 | 0.0089999 ± 0.0279128 | 8.4050637 ± 0.1262121 |
| 14D25714 | 8.3 % | 0.0280734 ± 0.0011074 | 0.0399019 ± 0.0280872 | 0.0734358 ± 0.0257012 | 0.0083749 ± 0.0279128 | 8.4064038 ± 0.1262121 |
| 14D25716 | 9.3 % | 0.0281298 ± 0.0011074 | 0.0349009 ± 0.0280872 | 0.0731281 ± 0.0257012 | 0.0066884 ± 0.0279128 | 8.4081775 ± 0.1262121 |
| 14D25717 | 10.4 % | 0.0281651 ± 0.0011074 | 0.0320100 ± 0.0280872 | 0.0712085 ± 0.0257012 | 0.0056508 ± 0.0279128 | 8.4083823 ± 0.1262121 |
| 14D25718 | 11.7 % | 0.0282092 ± 0.0011074 | 0.0286438 ± 0.0280872 | 0.0676228 ± 0.0257012 | 0.0043698 ± 0.0279128 | 8.4079985 ± 0.1262121 |
| 14D25720 | 13.5 % | 0.0283169 ± 0.0011074 | 0.0213833 ± 0.0280872 | 0.0552263 ± 0.0257012 | 0.0012903 ± 0.0279128 | 8.4050744 ± 0.1262121 |
| 14D25721 | 15.5 % | 0.0283810 ± 0.0011074 | 0.0175950 ± 0.0280872 | 0.0461847 ± 0.0257012 | 0.0005186 ± 0.0279128 | 8.4024188 ± 0.1262121 |
| 14D25722 | 17.6 % | 0.0284588 ± 0.0011074 | 0.0134405 ± 0.0280872 | 0.0340696 ± 0.0257012 | 0.0026926 ± 0.0279128 | 8.3985610 ± 0.1262121 |

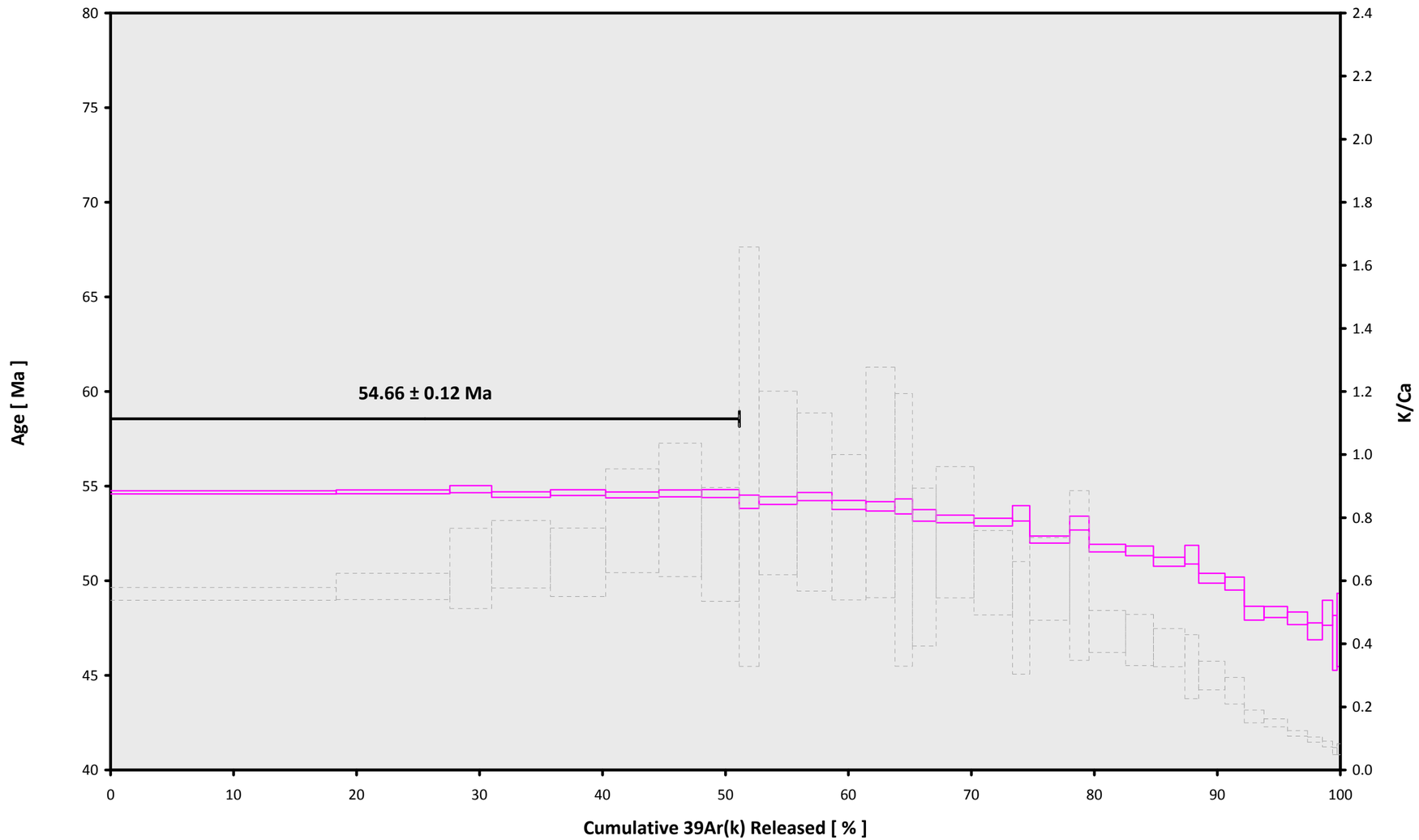
| Intercept Values | | 36Ar ± 1σ (SE) [fA] | r2 | Regression (type,n) | 37Ar ± 1σ (SE) [fA] | r2 | Regression (type,n) | 38Ar ± 1σ (SE) [fA] | r2 | Regression (type,n) | 39Ar ± 1σ (SE) [fA] | r2 | Regression (type,n) | 40Ar ± 1σ (SE) [fA] | r2 | Regression (type,n) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14D25679 | 1.8 % | 0.1389499 ± 0.0010485 | 0.9023 | EXP 150 of 150 | 2.4411872 ± 0.0313165 | 0.1774 | EXP 150 of 150 | 1.8447678 ± 0.0308087 | 0.0915 | EXP 150 of 150 | 154.6689871 ± 0.0387888 | 0.9985 | EXP 150 of 150 | 2772.085451 ± 0.137327 | 0.9999 | EXP 150 of 150 |
| 14D25681 | 1.9 % | 0.0703835 ± 0.0007181 | 0.8958 | EXP 150 of 150 | 1.1798783 ± 0.0313851 | 0.0608 | EXP 150 of 150 | 0.8494148 ± 0.0256894 | 0.0005 | EXP 150 of 150 | 77.9002884 ± 0.0281643 | 0.9969 | EXP 150 of 150 | 1396.873103 ± 0.097158 | 0.9997 | EXP 150 of 150 |
| 14D25682 | 2.0 % | 0.0443477 ± 0.0006189 | 0.8309 | EXP 149 of 150 | 0.3928617 ± 0.0281180 | 0.0044 | EXP 150 of 150 | 0.3243018 ± 0.0266018 | 0.0057 | EXP 150 of 150 | 28.7071913 ± 0.0262477 | 0.9798 | EXP 150 of 150 | 521.671612 ± 0.055190 | 0.9991 | EXP 150 of 150 |
| 14D25684 | 2.1 % | 0.0460971 ± 0.0006176 | 0.8451 | EXP 150 of 150 | 0.5216851 ± 0.0295744 | 0.0043 | EXP 150 of 150 | 0.4369007 ± 0.0245310 | 0.0117 | EXP 150 of 150 | 40.1904300 ± 0.0266184 | 0.9896 | EXP 150 of 150 | 721.975371 ± 0.072165 | 0.9993 | EXP 150 of 150 |
| 14D25685 | 2.2 % | 0.0482684 ± 0.0005829 | 0.8587 | EXP 150 of 150 | 0.5134320 ± 0.0313924 | 0.0211 | EXP 150 of 150 | 0.4157156 ± 0.0261142 | 0.0146 | EXP 150 of 150 | 37.9765073 ± 0.0263764 | 0.9886 | EXP 150 of 150 | 684.855751 ± 0.068361 | 0.9993 | EXP 150 of 150 |
| 14D25686 | 2.3 % | 0.0460945 ± 0.0005864 | 0.8624 | EXP 150 of 150 | 0.4106476 ± 0.0319105 | 0.0006 | EXP 150 of 150 | 0.3990049 ± 0.0249844 | 0.0108 | EXP 150 of 150 | 36.4068833 ± 0.0270098 | 0.9865 | EXP 150 of 150 | 655.347507 ± 0.059461 | 0.9994 | EXP 150 of 150 |
| 14D25688 | 2.4 % | 0.0426029 ± 0.0005740 | 0.8397 | EXP 150 of 150 | 0.3150669 ± 0.0289851 | 0.0001 | EXP 150 of 150 | 0.3341607 ± 0.0272179 | 0.0127 | EXP 150 of 150 | 29.2388445 ± 0.0262572 | 0.9801 | EXP 150 of 150 | 528.795471 ± 0.054062 | 0.9992 | EXP 150 of 150 |
| 14D25689 | 2.5 % | 0.0399001 ± 0.0005578 | 0.8433 | EXP 150 of 150 | 0.3201729 ± 0.0291549 | 0.0466 | EXP 150 of 150 | 0.2558888 ± 0.0266925 | 0.0001 | EXP 149 of 150 | 25.8967589 ± 0.0295909 | 0.9665 | EXP 150 of 150 | 468.759736 ± 0.061679 | 0.9985 | EXP 150 of 150 |
| 14D25690 | 2.6 % | 0.0366386 ± 0.0005181 | 0.7860 | EXP 150 of 150 | 0.1183012 ± 0.0294179 | 0.0037 | EXP 150 of 150 | 0.1152172 ± 0.0258962 | 0.0001 | EXP 150 of 150 | 13.6045080 ± 0.0225779 | 0.9342 | EXP 150 of 150 | 249.137118 ± 0.045924 | 0.9935 | EXP 150 of 150 |
| 14D25692 | 2.7 % | 0.0409216 ± 0.0005344 | 0.8318 | EXP 150 of 150 | 0.2458662 ± 0.0293326 | 0.0000 | EXP 150 of 150 | 0.2766360 ± 0.0293654 | 0.0131 | EXP 150 of 150 | 26.0642517 ± 0.0272074 | 0.9738 | EXP 150 of 150 | 469.140191 ± 0.049780 | 0.9991 | EXP 150 of 150 |
| 14D25693 | 2.8 % | 0.0404158 ± 0.0006057 | 0.7846 | EXP 150 of 150 | 0.2391834 ± 0.0306470 | 0.0000 | EXP 150 of 150 | 0.2568013 ± 0.0259353 | 0.0046 | EXP 150 of 150 | 23.9772475 ± 0.0250939 | 0.9727 | EXP 150 of 150 | 433.983456 ± 0.057931 | 0.9985 | EXP 150 of 150 |
| 14D25694 | 2.9 % | 0.0407941 ± 0.0005753 | 0.7737 | EXP 150 of 150 | 0.2536931 ± 0.0285997 | 0.0108 | EXP 150 of 150 | 0.2704853 ± 0.0279176 | 0.0076 | EXP 150 of 150 | 23.2674115 ± 0.0309542 | 0.9573 | EXP 150 of 150 | 418.113369 ± 0.060662 | 0.9981 | EXP 150 of 150 |
| 14D25696 | 3.0 % | 0.0398075 ± 0.0005386 | 0.7920 | EXP 150 of 150 | 0.1726897 ± 0.0266325 | 0.0001 | EXP 150 of 150 | 0.1376541 ± 0.0249542 | 0.0268 | EXP 150 of 150 | 19.8818667 ± 0.0240992 | 0.9644 | EXP 150 of 150 | 358.428460 ± 0.054668 | 0.9977 | EXP 150 of 150 |
| 14D25697 | 3.2 % | 0.0348432 ± 0.0004960 | 0.7756 | EXP 149 of 150 | 0.1157687 ± 0.0279963 | 0.0009 | EXP 150 of 150 | 0.0661363 ± 0.0250909 | 0.0176 | EXP 150 of 150 | 12.0049196 ± 0.0236902 | 0.9029 | EXP 150 of 150 | 219.445840 ± 0.041824 | 0.9921 | EXP 150 of 150 |
| 14D25698 | 3.4 % | 0.0399637 ± 0.0005632 | 0.7552 | EXP 150 of 150 | 0.1958850 ± 0.0330427 | 0.0150 | EXP 150 of 150 | 0.1339740 ± 0.0259054 | 0.0001 | EXP 150 of 150 | 16.1892146 ± 0.0249801 | 0.9428 | EXP 150 of 150 | 291.269626 ± 0.044653 | 0.9971 | EXP 150 of 150 |
| 14D25700 | 3.6 % | 0.0449148 ± 0.0005890 | 0.7530 | EXP 150 of 150 | 0.2718449 ± 0.0312125 | 0.0031 | EXP 150 of 150 | 0.2743429 ± 0.0252819 | 0.0003 | EXP 150 of 150 | 25.9449459 ± 0.0269623 | 0.9734 | EXP 150 of 150 | 459.809012 ± 0.054607 | 0.9989 | EXP 150 of 150 |
| 14D25701 | 3.9 % | 0.0564219 ± 0.0005498 | 0.7694 | EXP 150 of 150 | 0.3382590 ± 0.0284863 | 0.0164 | EXP 150 of 150 | 0.2979013 ± 0.0286665 | 0.0003 | EXP 150 of 150 | 26.4197274 ± 0.0307048 | 0.9683 | EXP 150 of 150 | 469.781691 ± 0.052378 | 0.9990 | EXP 150 of 150 |
| 14D25702 | 4.2 % | 0.0352587 ± 0.0004984 | 0.7757 | EXP 150 of 150 | 0.1800332 ± 0.0289780 | 0.0038 | EXP 149 of 150 | 0.0937112 ± 0.0275509 | 0.0007 | EXP 150 of 150 | 11.8878845 ± 0.0246884 | 0.8996 | EXP 150 of 150 | 215.773423 ± 0.042972 | 0.9915 | EXP 150 of 150 |
| 14D25704 | 4.5 % | 0.0531308 ± 0.0005772 | 0.7365 | EXP 150 of 150 | 0.3574081 ± 0.0327908 | 0.0000 | EXP 150 of 150 | 0.3346099 ± 0.0266896 | 0.0079 | EXP 150 of 150 | 27.3404636 ± 0.0249759 | 0.9794 | EXP 150 of 150 | 476.179932 ± 0.053129 | 0.9991 | EXP 150 of 150 |
| 14D25705 | 4.8 % | 0.0404734 ± 0.0005677 | 0.6994 | EXP 150 of 150 | 0.1479854 ± 0.0309165 | 0.0002 | EXP 150 of 150 | 0.1051881 ± 0.0294432 | 0.0043 | EXP 150 of 150 | 13.3588672 ± 0.0251623 | 0.9128 | EXP 150 of 150 | 240.762097 ± 0.044051 | 0.9946 | EXP 150 of 150 |
| 14D25706 | 5.1 % | 0.0563291 ± 0.0005813 | 0.7579 | EXP 150 of 150 | 0.4609096 ± 0.0259487 | 0.0387 | EXP 150 of 150 | 0.3379390 ± 0.0256857 | 0.0375 | EXP 149 of 150 | 25.1159699 ± 0.0267752 | 0.9723 | EXP 150 of 150 | 435.404370 ± 0.046195 | 0.9991 | EXP 150 of 150 |
| 14D25708 | 5.4 % | 0.0549203 ± 0.0005997 | 0.6732 | EXP 150 of 150 | 0.3615690 ± 0.0285263 | 0.0024 | EXP 149 of 150 | 0.2087123 ± 0.0252083 | 0.0013 | EXP 150 of 150 | 19.0063713 ± 0.0260342 | 0.9535 | EXP 150 of 150 | 332.169737 ± 0.049319 | 0.9978 | EXP 150 of 150 |
| 14D25709 | 5.8 % | 0.0646013 ± 0.0005790 | 0.6585 | EXP 150 of 150 | 0.4454817 ± 0.0258059 | 0.0005 | EXP 149 of 150 | 0.2777577 ± 0.0268137 | 0.0076 | EXP 150 of 150 | 21.5646712 ± 0.0294827 | 0.9559 | EXP 150 of 150 | 373.470436 ± 0.053503 | 0.9982 | EXP 150 of 150 |
| 14D25710 | 6.2 % | 0.0458085 ± 0.0005891 | 0.6291 | EXP 150 of 150 | 0.2111951 ± 0.0282161 | 0.0075 | EXP 149 of 150 | 0.0679475 ± 0.0286478 | 0.0003 | EXP 150 of 150 | 9.5277865 ± 0.0249050 | 0.8396 | EXP 150 of 150 | 171.086750 ± 0.042282 | 0.9763 | EXP 150 of 150 |
| 14D25712 | 6.8 % | 0.0578249 ± 0.0006288 | 0.5511 | EXP 150 of 150 | 0.4861423 ± 0.0283258 | 0.0112 | EXP 150 of 150 | 0.2757613 ± 0.0273538 | 0.0244 | EXP 149 of 150 | 17.9633782 ± 0.0230747 | 0.9620 | EXP 150 of 150 | 306.611451 ± 0.046477 | 0.9977 | EXP 150 of 150 |
| 14D25713 | 7.4 % | 0.0560385 ± 0.0005918 | 0.5815 | EXP 150 of 150 | 0.4273781 ± 0.0272810 | 0.0069 | EXP 150 of 150 | 0.1841887 ± 0.0258700 | 0.0066 | EXP 150 of 150 | 13.3655984 ± 0.0232572 | 0.9284 | EXP 150 of 150 | 230.479793 ± 0.044669 | 0.9941 | EXP 150 of 150 |
| 14D25714 | 8.3 % | 0.0657224 ± 0.0006689 | 0.4557 | EXP 150 of 150 | 0.6618364 ± 0.0304683 | 0.0253 | EXP 150 of 150 | 0.1556003 ± 0.0251342 | 0.0000 | EXP 150 of 150 | 13.4974291 ± 0.0306214 | 0.8846 | EXP 150 of 150 | 227.667651 ± 0.043652 | 0.9939 | EXP 150 of 150 |
| 14D25716 | 9.3 % | 0.0743716 ± 0.0007350 | 0.4679 | EXP 150 of 150 | 0.9189378 ± 0.0278482 | 0.0886 | EXP 150 of 150 | 0.2182169 ± 0.0271609 | 0.0017 | EXP 150 of 150 | 16.1716356 ± 0.0253352 | 0.9392 | EXP 150 of 150 | 271.370745 ± 0.048523 | 0.9961 | EXP 150 of 150 |
| 14D25717 | 10.4 % | 0.0756455 ± 0.0006131 | 0.6078 | EXP 150 of 150 | 1.0133109 ± 0.0265609 | 0.0579 | EXP 150 of 150 | 0.1682715 ± 0.0285451 | 0.0018 | EXP 150 of 150 | 13.7586953 ± 0.0260018 | 0.9127 | EXP 150 of 150 | 232.130149 ± 0.044698 | 0.9934 | EXP 150 of 150 |
| 14D25718 | 11.7 % | 0.0756263 ± 0.0006921 | 0.4215 | EXP 150 of 150 | 0.8992194 ± 0.0276381 | 0.0151 | EXP 150 of 150 | 0.0995558 ± 0.0277689 | 0.0040 | EXP 150 of 150 | 10.1560848 ± 0.0255013 | 0.8605 | EXP 150 of 150 | 174.404763 ± 0.037416 | 0.9736 | EXP 150 of 150 |
| 14D25720 | 13.5 % | 0.0716433 ± 0.0006768 | 0.5908 | EXP 150 of 150 | 0.7294161 ± 0.0302953 | 0.0052 | EXP 150 of 150 | 0.0657009 ± 0.0265076 | 0.0034 | EXP 150 of 150 | 7.0461588 ± 0.0267762 | 0.6565 | EXP 150 of 150 | 128.596624 ± 0.044167 | 0.3337 | EXP 150 of 150 |
| 14D25721 | 15.5 % | 0.0534620 ± 0.0006382 | 0.7791 | EXP 150 of 150 | 0.4271500 ± 0.0304186 | 0.0244 | EXP 150 of 150 | 0.0144372 ± 0.0263316 | 0.0012 | EXP 150 of 150 | 3.0382380 ± 0.0244383 | 0.1158 | EXP 150 of 150 | 60.115196 ± 0.031847 | 0.9960 | EXP 150 of 150 |
| 14D25722 | 17.6 % | 0.0486182 ± 0.0006864 | 0.8608 | EXP 150 of 150 | 0.2932927 ± 0.0283767 | 0.0058 | EXP 150 of 150 | 0.0300619 ± 0.0259093 | 0.0001 | EXP 150 of 150 | 2.3018143 ± 0.0244720 | 0.0225 | EXP 150 of 150 | 48.616065 ± 0.030390 | 0.9984 | EXP 150 of 150 |

| Project Info | | Analyst | Irradiation | X-pos | Y-pos | Z/H-pos | Project | Experiment | Nmb |
|---|---|---|---|---|---|---|---|---|---|
| 14D25679 | 1.8 % | Kevin Konrad | 14-OSU-02 | 0.00 | 0.00 | 51.80 | French Polynesia\Rurutu (13-INT-08) | 14D25678 | 01 |
| 14D25681 | 1.9 % | Kevin Konrad | 14-OSU-02 | 0.00 | 0.00 | 51.80 | French Polynesia\Rurutu (13-INT-08) | 14D25678 | 01 |
| 14D25682 | 2.0 % | Kevin Konrad | 14-OSU-02 | 0.00 | 0.00 | 51.80 | French Polynesia\Rurutu (13-INT-08) | 14D25678 | 01 |
| 14D25684 | 2.1 % | Kevin Konrad | 14-OSU-02 | 0.00 | 0.00 | 51.80 | French Polynesia\Rurutu (13-INT-08) | 14D25678 | 01 |
| 14D25685 | 2.2 % | Kevin Konrad | 14-OSU-02 | 0.00 | 0.00 | 51.80 | French Polynesia\Rurutu (13-INT-08) | 14D25678 | 01 |
| 14D25686 | 2.3 % | Kevin Konrad | 14-OSU-02 | 0.00 | 0.00 | 51.80 | French Polynesia\Rurutu (13-INT-08) | 14D25678 | 01 |
| 14D25688 | 2.4 % | Kevin Konrad | 14-OSU-02 | 0.00 | 0.00 | 51.80 | French Polynesia\Rurutu (13-INT-08) | 14D25678 | 01 |
| 14D25689 | 2.5 % | Kevin Konrad | 14-OSU-02 | 0.00 | 0.00 | 51.80 | French Polynesia\Rurutu (13-INT-08) | 14D25678 | 01 |
| 14D25690 | 2.6 % | Kevin Konrad | 14-OSU-02 | 0.00 | 0.00 | 51.80 | French Polynesia\Rurutu (13-INT-08) | 14D25678 | 01 |
| 14D25692 | 2.7 % | Kevin Konrad | 14-OSU-02 | 0.00 | 0.00 | 51.80 | French Polynesia\Rurutu (13-INT-08) | 14D25678 | 01 |
| 14D25693 | 2.8 % | Kevin Konrad | 14-OSU-02 | 0.00 | 0.00 | 51.80 | French Polynesia\Rurutu (13-INT-08) | 14D25678 | 01 |
| 14D25694 | 2.9 % | Kevin Konrad | 14-OSU-02 | 0.00 | 0.00 | 51.80 | French Polynesia\Rurutu (13-INT-08) | 14D25678 | 01 |
| 14D25696 | 3.0 % | Kevin Konrad | 14-OSU-02 | 0.00 | 0.00 | 51.80 | French Polynesia\Rurutu (13-INT-08) | 14D25678 | 01 |
| 14D25697 | 3.2 % | Kevin Konrad | 14-OSU-02 | 0.00 | 0.00 | 51.80 | French Polynesia\Rurutu (13-INT-08) | 14D25678 | 01 |
| 14D25698 | 3.4 % | Kevin Konrad | 14-OSU-02 | 0.00 | 0.00 | 51.80 | French Polynesia\Rurutu (13-INT-08) | 14D25678 | 01 |
| 14D25700 | 3.6 % | Kevin Konrad | 14-OSU-02 | 0.00 | 0.00 | 51.80 | French Polynesia\Rurutu (13-INT-08) | 14D25678 | 01 |
| 14D25701 | 3.9 % | Kevin Konrad | 14-OSU-02 | 0.00 | 0.00 | 51.80 | French Polynesia\Rurutu (13-INT-08) | 14D25678 | 01 |
| 14D25702 | 4.2 % | Kevin Konrad | 14-OSU-02 | 0.00 | 0.00 | 51.80 | French Polynesia\Rurutu (13-INT-08) | 14D25678 | 01 |
| 14D25704 | 4.5 % | Kevin Konrad | 14-OSU-02 | 0.00 | 0.00 | 51.80 | French Polynesia\Rurutu (13-INT-08) | 14D25678 | 01 |
| 14D25705 | 4.8 % | Kevin Konrad | 14-OSU-02 | 0.00 | 0.00 | 51.80 | French Polynesia\Rurutu (13-INT-08) | 14D25678 | 01 |
| 14D25706 | 5.1 % | Kevin Konrad | 14-OSU-02 | 0.00 | 0.00 | 51.80 | French Polynesia\Rurutu (13-INT-08) | 14D25678 | 01 |
| 14D25708 | 5.4 % | Kevin Konrad | 14-OSU-02 | 0.00 | 0.00 | 51.80 | French Polynesia\Rurutu (13-INT-08) | 14D25678 | 01 |
| 14D25709 | 5.8 % | Kevin Konrad | 14-OSU-02 | 0.00 | 0.00 | 51.80 | French Polynesia\Rurutu (13-INT-08) | 14D25678 | 01 |
| 14D25710 | 6.2 % | Kevin Konrad | 14-OSU-02 | 0.00 | 0.00 | 51.80 | French Polynesia\Rurutu (13-INT-08) | 14D25678 | 01 |
| 14D25712 | 6.8 % | Kevin Konrad | 14-OSU-02 | 0.00 | 0.00 | 51.80 | French Polynesia\Rurutu (13-INT-08) | 14D25678 | 01 |
| 14D25713 | 7.4 % | Kevin Konrad | 14-OSU-02 | 0.00 | 0.00 | 51.80 | French Polynesia\Rurutu (13-INT-08) | 14D25678 | 01 |
| 14D25714 | 8.3 % | Kevin Konrad | 14-OSU-02 | 0.00 | 0.00 | 51.80 | French Polynesia\Rurutu (13-INT-08) | 14D25678 | 01 |
| 14D25716 | 9.3 % | Kevin Konrad | 14-OSU-02 | 0.00 | 0.00 | 51.80 | French Polynesia\Rurutu (13-INT-08) | 14D25678 | 01 |
| 14D25717 | 10.4 % | Kevin Konrad | 14-OSU-02 | 0.00 | 0.00 | 51.80 | French Polynesia\Rurutu (13-INT-08) | 14D25678 | 01 |
| 14D25718 | 11.7 % | Kevin Konrad | 14-OSU-02 | 0.00 | 0.00 | 51.80 | French Polynesia\Rurutu (13-INT-08) | 14D25678 | 01 |
| 14D25720 | 13.5 % | Kevin Konrad | 14-OSU-02 | 0.00 | 0.00 | 51.80 | French Polynesia\Rurutu (13-INT-08) | 14D25678 | 01 |
| 14D25721 | 15.5 % | Kevin Konrad | 14-OSU-02 | 0.00 | 0.00 | 51.80 | French Polynesia\Rurutu (13-INT-08) | 14D25678 | 01 |
| 14D25722 | 17.6 % | Kevin Konrad | 14-OSU-02 | 0.00 | 0.00 | 51.80 | French Polynesia\Rurutu (13-INT-08) | 14D25678 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14D25679 | 1.8 % | RR1310-D07-22b | Groundmass | Rurutu Hotspot | FCT-NM (2A43-14) | 28.201 | 0.082 | Kuiper et al. (2008) | 8.97135 | 0.094 | 0.00175195 | 0.094 | 304.062 | 0.133 | 0.9929512 | 0.067 | 1 | 4.8E-14 | 26 | SEP | 2014 | 3 | 23 | 1 |
| 14D25681 | 1.9 % | RR1310-D07-22b | Groundmass | Rurutu Hotspot | FCT-NM (2A43-14) | 28.201 | 0.082 | Kuiper et al. (2008) | 8.97135 | 0.094 | 0.00175195 | 0.094 | 304.062 | 0.133 | 0.9929512 | 0.067 | 1 | 4.8E-14 | 26 | SEP | 2014 | 3 | 56 | 1 |
| 14D25682 | 2.0 % | RR1310-D07-22b | Groundmass | Rurutu Hotspot | FCT-NM (2A43-14) | 28.201 | 0.082 | Kuiper et al. (2008) | 8.97135 | 0.094 | 0.00175195 | 0.094 | 304.062 | 0.133 | 0.9929512 | 0.067 | 1 | 4.8E-14 | 26 | SEP | 2014 | 4 | 12 | 1 |
| 14D25684 | 2.1 % | RR1310-D07-22b | Groundmass | Rurutu Hotspot | FCT-NM (2A43-14) | 28.201 | 0.082 | Kuiper et al. (2008) | 8.97135 | 0.094 | 0.00175195 | 0.094 | 304.062 | 0.133 | 0.9929512 | 0.067 | 1 | 4.8E-14 | 26 | SEP | 2014 | 4 | 45 | 1 |
| 14D25685 | 2.2 % | RR1310-D07-22b | Groundmass | Rurutu Hotspot | FCT-NM (2A43-14) | 28.201 | 0.082 | Kuiper et al. (2008) | 8.97135 | 0.094 | 0.00175195 | 0.094 | 304.062 | 0.133 | 0.9929512 | 0.067 | 1 | 4.8E-14 | 26 | SEP | 2014 | 5 | 2 | 1 |
| 14D25686 | 2.3 % | RR1310-D07-22b | Groundmass | Rurutu Hotspot | FCT-NM (2A43-14) | 28.201 | 0.082 | Kuiper et al. (2008) | 8.97135 | 0.094 | 0.00175195 | 0.094 | 304.062 | 0.133 | 0.9929512 | 0.067 | 1 | 4.8E-14 | 26 | SEP | 2014 | 5 | 18 | 1 |
| 14D25688 | 2.4 % | RR1310-D07-22b | Groundmass | Rurutu Hotspot | FCT-NM (2A43-14) | 28.201 | 0.082 | Kuiper et al. (2008) | 8.97135 | 0.094 | 0.00175195 | 0.094 | 304.062 | 0.133 | 0.9929512 | 0.067 | 1 | 4.8E-14 | 26 | SEP | 2014 | 5 | 51 | 1 |
| 14D25689 | 2.5 % | RR1310-D07-22b | Groundmass | Rurutu Hotspot | FCT-NM (2A43-14) | 28.201 | 0.082 | Kuiper et al. (2008) | 8.97135 | 0.094 | 0.00175195 | 0.094 | 304.062 | 0.133 | 0.9929512 | 0.067 | 1 | 4.8E-14 | 26 | SEP | 2014 | 6 | 7 | 1 |
| 14D25690 | 2.6 % | RR1310-D07-22b | Groundmass | Rurutu Hotspot | FCT-NM (2A43-14) | 28.201 | 0.082 | Kuiper et al. (2008) | 8.97135 | 0.094 | 0.00175195 | 0.094 | 304.062 | 0.133 | 0.9929512 | 0.067 | 1 | 4.8E-14 | 26 | SEP | 2014 | 6 | 24 | 1 |
| 14D25692 | 2.7 % | RR1310-D07-22b | Groundmass | Rurutu Hotspot | FCT-NM (2A43-14) | 28.201 | 0.082 | Kuiper et al. (2008) | 8.97135 | 0.094 | 0.00175195 | 0.094 | 304.062 | 0.133 | 0.9929512 | 0.067 | 1 | 4.8E-14 | 26 | SEP | 2014 | 6 | 57 | 1 |
| 14D25693 | 2.8 % | RR1310-D07-22b | Groundmass | Rurutu Hotspot | FCT-NM (2A43-14) | 28.201 | 0.082 | Kuiper et al. (2008) | 8.97135 | 0.094 | 0.00175195 | 0.094 | 304.062 | 0.133 | 0.9929512 | 0.067 | 1 | 4.8E-14 | 26 | SEP | 2014 | 7 | 13 | 1 |
| 14D25694 | 2.9 % | RR1310-D07-22b | Groundmass | Rurutu Hotspot | FCT-NM (2A43-14) | 28.201 | 0.082 | Kuiper et al. (2008) | 8.97135 | 0.094 | 0.00175195 | 0.094 | 304.062 | 0.133 | 0.9929512 | 0.067 | 1 | 4.8E-14 | 26 | SEP | 2014 | 7 | 30 | 1 |
| 14D25696 | 3.0 % | RR1310-D07-22b | Groundmass | Rurutu Hotspot | FCT-NM (2A43-14) | 28.201 | 0.082 | Kuiper et al. (2008) | 8.97135 | 0.094 | 0.00175195 | 0.094 | 304.062 | 0.133 | 0.9929512 | 0.067 | 1 | 4.8E-14 | 26 | SEP | 2014 | 8 | 2 | 1 |
| 14D25697 | 3.2 % | RR1310-D07-22b | Groundmass | Rurutu Hotspot | FCT-NM (2A43-14) | 28.201 | 0.082 | Kuiper et al. (2008) | 8.97135 | 0.094 | 0.00175195 | 0.094 | 304.062 | 0.133 | 0.9929512 | 0.067 | 1 | 4.8E-14 | 26 | SEP | 2014 | 8 | 19 | 1 |
| 14D25698 | 3.4 % | RR1310-D07-22b | Groundmass | Rurutu Hotspot | FCT-NM (2A43-14) | 28.201 | 0.082 | Kuiper et al. (2008) | 8.97135 | 0.094 | 0.00175195 | 0.094 | 304.062 | 0.133 | 0.9929512 | 0.067 | 1 | 4.8E-14 | 26 | SEP | 2014 | 8 | 35 | 1 |
| 14D25700 | 3.6 % | RR1310-D07-22b | Groundmass | Rurutu Hotspot | FCT-NM (2A43-14) | 28.201 | 0.082 | Kuiper et al. (2008) | 8.97135 | 0.094 | 0.00175195 | 0.094 | 304.062 | 0.133 | 0.9929512 | 0.067 | 1 | 4.8E-14 | 26 | SEP | 2014 | 9 | 8 | 1 |
| 14D25701 | 3.9 % | RR1310-D07-22b | Groundmass | Rurutu Hotspot | FCT-NM (2A43-14) | 28.201 | 0.082 | Kuiper et al. (2008) | 8.97135 | 0.094 | 0.00175195 | 0.094 | 304.062 | 0.133 | 0.9929512 | 0.067 | 1 | 4.8E-14 | 26 | SEP | 2014 | 9 | 25 | 1 |
| 14D25702 | 4.2 % | RR1310-D07-22b | Groundmass | Rurutu Hotspot | FCT-NM (2A43-14) | 28.201 | 0.082 | Kuiper et al. (2008) | 8.97135 | 0.094 | 0.00175195 | 0.094 | 304.062 | 0.133 | 0.9929512 | 0.067 | 1 | 4.8E-14 | 26 | SEP | 2014 | 9 | 41 | 1 |
| 14D25704 | 4.5 % | RR1310-D07-22b | Groundmass | Rurutu Hotspot | FCT-NM (2A43-14) | 28.201 | 0.082 | Kuiper et al. (2008) | 8.97135 | 0.094 | 0.00175195 | 0.094 | 304.062 | 0.133 | 0.9929512 | 0.067 | 1 | 4.8E-14 | 26 | SEP | 2014 | 10 | 14 | 1 |
| 14D25705 | 4.8 % | RR1310-D07-22b | Groundmass | Rurutu Hotspot | FCT-NM (2A43-14) | 28.201 | 0.082 | Kuiper et al. (2008) | 8.97135 | 0.094 | 0.00175195 | 0.094 | 304.062 | 0.133 | 0.9929512 | 0.067 | 1 | 4.8E-14 | 26 | SEP | 2014 | 10 | 30 | 1 |
| 14D25706 | 5.1 % | RR1310-D07-22b | Groundmass | Rurutu Hotspot | FCT-NM (2A43-14) | 28.201 | 0.082 | Kuiper et al. (2008) | 8.97135 | 0.094 | 0.00175195 | 0.094 | 304.062 | 0.133 | 0.9929512 | 0.067 | 1 | 4.8E-14 | 26 | SEP | 2014 | 10 | 47 | 1 |
| 14D25708 | 5.4 % | RR1310-D07-22b | Groundmass | Rurutu Hotspot | FCT-NM (2A43-14) | 28.201 | 0.082 | Kuiper et al. (2008) | 8.97135 | 0.094 | 0.00175195 | 0.094 | 304.062 | 0.133 | 0.9929512 | 0.067 | 1 | 4.8E-14 | 26 | SEP | 2014 | 11 | 20 | 1 |
| 14D25709 | 5.8 % | RR1310-D07-22b | Groundmass | Rurutu Hotspot | FCT-NM (2A43-14) | 28.201 | 0.082 | Kuiper et al. (2008) | 8.97135 | 0.094 | 0.00175195 | 0.094 | 304.062 | 0.133 | 0.9929512 | 0.067 | 1 | 4.8E-14 | 26 | SEP | 2014 | 11 | 36 | 1 |
| 14D25710 | 6.2 % | RR1310-D07-22b | Groundmass | Rurutu Hotspot | FCT-NM (2A43-14) | 28.201 | 0.082 | Kuiper et al. (2008) | 8.97135 | 0.094 | 0.00175195 | 0.094 | 304.062 | 0.133 | 0.9929512 | 0.067 | 1 | 4.8E-14 | 26 | SEP | 2014 | 11 | 52 | 1 |
| 14D25712 | 6.8 % | RR1310-D07-22b | Groundmass | Rurutu Hotspot | FCT-NM (2A43-14) | 28.201 | 0.082 | Kuiper et al. (2008) | 8.97135 | 0.094 | 0.00175195 | 0.094 | 304.062 | 0.133 | 0.9929512 | 0.067 | 1 | 4.8E-14 | 26 | SEP | 2014 | 12 | 25 | 1 |
| 14D25713 | 7.4 % | RR1310-D07-22b | Groundmass | Rurutu Hotspot | FCT-NM (2A43-14) | 28.201 | 0.082 | Kuiper et al. (2008) | 8.97135 | 0.094 | 0.00175195 | 0.094 | 304.062 | 0.133 | 0.9929512 | 0.067 | 1 | 4.8E-14 | 26 | SEP | 2014 | 12 | 42 | 1 |
| 14D25714 | 8.3 % | RR1310-D07-22b | Groundmass | Rurutu Hotspot | FCT-NM (2A43-14) | 28.201 | 0.082 | Kuiper et al. (2008) | 8.97135 | 0.094 | 0.00175195 | 0.094 | 304.062 | 0.133 | 0.9929512 | 0.067 | 1 | 4.8E-14 | 26 | SEP | 2014 | 12 | 58 | 1 |
| 14D25716 | 9.3 % | RR1310-D07-22b | Groundmass | Rurutu Hotspot | FCT-NM (2A43-14) | 28.201 | 0.082 | Kuiper et al. (2008) | 8.97135 | 0.094 | 0.00175195 | 0.094 | 304.062 | 0.133 | 0.9929512 | 0.067 | 1 | 4.8E-14 | 26 | SEP | 2014 | 13 | 31 | 1 |
| 14D25717 | 10.4 % | RR1310-D07-22b | Groundmass | Rurutu Hotspot | FCT-NM (2A43-14) | 28.201 | 0.082 | Kuiper et al. (2008) | 8.97135 | 0.094 | 0.00175195 | 0.094 | 304.062 | 0.133 | 0.9929512 | 0.067 | 1 | 4.8E-14 | 26 | SEP | 2014 | 13 | 47 | 1 |
| 14D25718 | 11.7 % | RR1310-D07-22b | Groundmass | Rurutu Hotspot | FCT-NM (2A43-14) | 28.201 | 0.082 | Kuiper et al. (2008) | 8.97135 | 0.094 | 0.00175195 | 0.094 | 304.062 | 0.133 | 0.9929512 | 0.067 | 1 | 4.8E-14 | 26 | SEP | 2014 | 14 | 4 | 1 |
| 14D25720 | 13.5 % | RR1310-D07-22b | Groundmass | Rurutu Hotspot | FCT-NM (2A43-14) | 28.201 | 0.082 | Kuiper et al. (2008) | 8.97135 | 0.094 | 0.00175195 | 0.094 | 304.062 | 0.133 | 0.9929512 | 0.067 | 1 | 4.8E-14 | 26 | SEP | 2014 | 14 | 37 | 1 |
| 14D25721 | 15.5 % | RR1310-D07-22b | Groundmass | Rurutu Hotspot | FCT-NM (2A43-14) | 28.201 | 0.082 | Kuiper et al. (2008) | 8.97135 | 0.094 | 0.00175195 | 0.094 | 304.062 | 0.133 | 0.9929512 | 0.067 | 1 | 4.8E-14 | 26 | SEP | 2014 | 14 | 53 | 1 |
| 14D25722 | 17.6 % | RR1310-D07-22b | Groundmass | Rurutu Hotspot | FCT-NM (2A43-14) | 28.201 | 0.082 | Kuiper et al. (2008) | 8.97135 | 0.094 | 0.00175195 | 0.094 | 304.062 | 0.133 | 0.9929512 | 0.067 | 1 | 4.8E-14 | 26 | SEP | 2014 | 15 | 10 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14D25679 | 1.8 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000676 | 1.32 | 7.18E-05 | 12.82 | 0.000266 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 14D25681 | 1.9 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000676 | 1.32 | 7.18E-05 | 12.82 | 0.000266 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 14D25682 | 2.0 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000676 | 1.32 | 7.18E-05 | 12.82 | 0.000266 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 14D25684 | 2.1 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000676 | 1.32 | 7.18E-05 | 12.82 | 0.000266 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 14D25685 | 2.2 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000676 | 1.32 | 7.18E-05 | 12.82 | 0.000266 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 14D25686 | 2.3 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000676 | 1.32 | 7.18E-05 | 12.82 | 0.000266 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 14D25688 | 2.4 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000676 | 1.32 | 7.18E-05 | 12.82 | 0.000266 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 14D25689 | 2.5 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000676 | 1.32 | 7.18E-05 | 12.82 | 0.000266 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 14D25690 | 2.6 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000676 | 1.32 | 7.18E-05 | 12.82 | 0.000266 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 14D25692 | 2.7 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000676 | 1.32 | 7.18E-05 | 12.82 | 0.000266 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 14D25693 | 2.8 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000676 | 1.32 | 7.18E-05 | 12.82 | 0.000266 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 14D25694 | 2.9 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000676 | 1.32 | 7.18E-05 | 12.82 | 0.000266 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 14D25696 | 3.0 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000676 | 1.32 | 7.18E-05 | 12.82 | 0.000266 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 14D25697 | 3.2 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000676 | 1.32 | 7.18E-05 | 12.82 | 0.000266 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 14D25698 | 3.4 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000676 | 1.32 | 7.18E-05 | 12.82 | 0.000266 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 14D25700 | 3.6 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000676 | 1.32 | 7.18E-05 | 12.82 | 0.000266 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 14D25701 | 3.9 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000676 | 1.32 | 7.18E-05 | 12.82 | 0.000266 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 14D25702 | 4.2 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000676 | 1.32 | 7.18E-05 | 12.82 | 0.000266 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 14D25704 | 4.5 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000676 | 1.32 | 7.18E-05 | 12.82 | 0.000266 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 14D25705 | 4.8 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000676 | 1.32 | 7.18E-05 | 12.82 | 0.000266 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 14D25706 | 5.1 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000676 | 1.32 | 7.18E-05 | 12.82 | 0.000266 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 14D25708 | 5.4 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000676 | 1.32 | 7.18E-05 | 12.82 | 0.000266 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 14D25709 | 5.8 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000676 | 1.32 | 7.18E-05 | 12.82 | 0.000266 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 14D25710 | 6.2 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000676 | 1.32 | 7.18E-05 | 12.82 | 0.000266 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 14D25712 | 6.8 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000676 | 1.32 | 7.18E-05 | 12.82 | 0.000266 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 14D25713 | 7.4 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000676 | 1.32 | 7.18E-05 | 12.82 | 0.000266 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 14D25714 | 8.3 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000676 | 1.32 | 7.18E-05 | 12.82 | 0.000266 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 14D25716 | 9.3 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000676 | 1.32 | 7.18E-05 | 12.82 | 0.000266 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 14D25717 | 10.4 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000676 | 1.32 | 7.18E-05 | 12.82 | 0.000266 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 14D25718 | 11.7 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000676 | 1.32 | 7.18E-05 | 12.82 | 0.000266 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 14D25720 | 13.5 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000676 | 1.32 | 7.18E-05 | 12.82 | 0.000266 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 14D25721 | 15.5 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000676 | 1.32 | 7.18E-05 | 12.82 | 0.000266 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 14D25722 | 17.6 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000676 | 1.32 | 7.18E-05 | 12.82 | 0.000266 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |

# 14D25678.AGE >>> RR1310-D07-22B >>> FRENCH POLYNESIA | RURUTU (13-INT-08) PROJECT




## Ar-Ages in Ma

**WEIGHTED PLATEAU**
**54.66 ± 0.12**
**TOTAL FUSION**
**53.37 ± 0.11**
**NORMAL ISOCHRON**
**54.40 ± 0.27**
**INVERSE ISOCHRON**
**54.51 ± 0.27**

**MSWD (PROBABILITY)**
**1.42 (19%)**

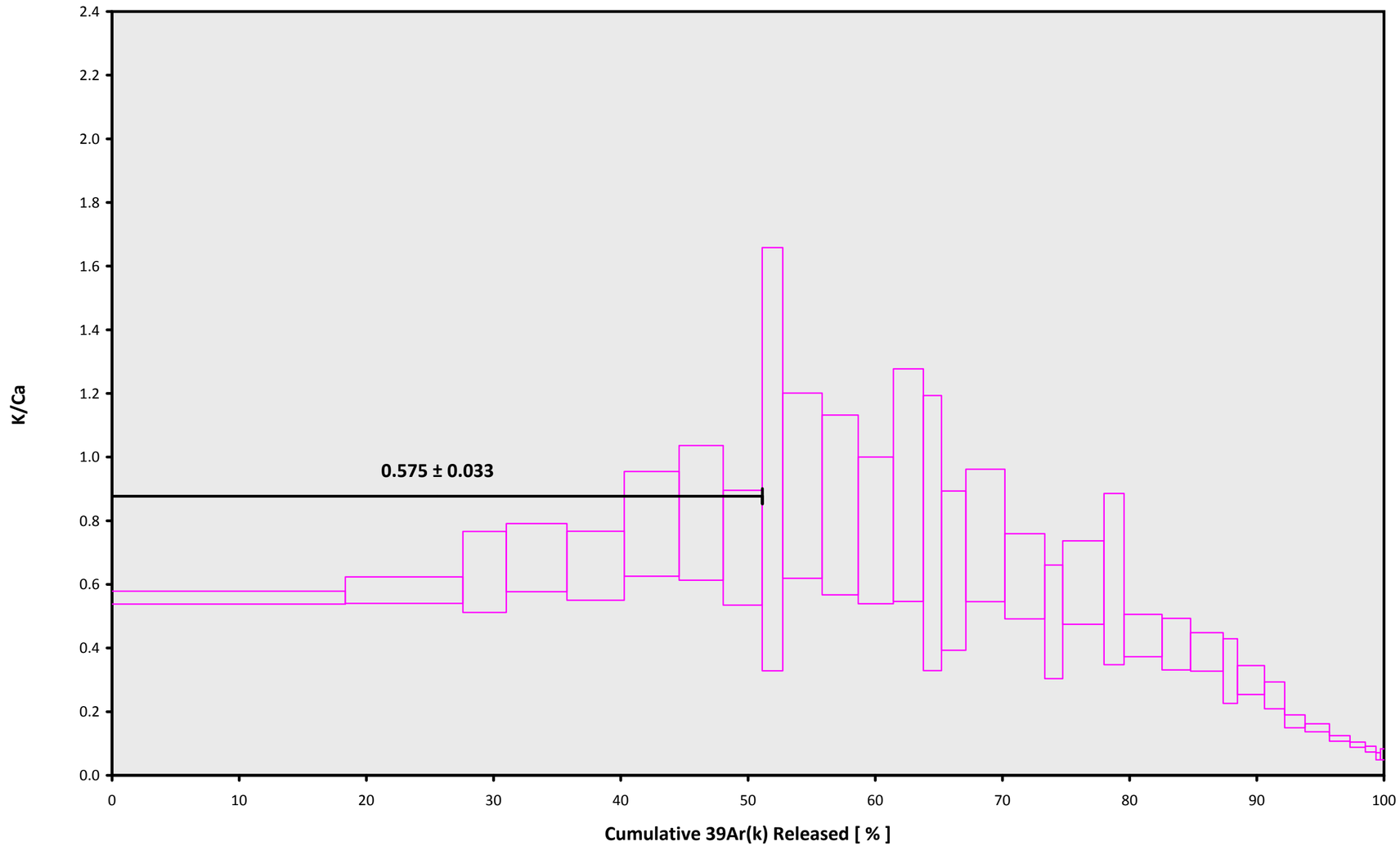
## Sample Info

**Groundmass**
**Rurutu Hotspot**
**Kevin Konrad**

**IRR = 14-OSU-02 (2A43-14)**
**J = 0.00175195 ± 0.00000165**

OSU Argon Geochronology Lab
CEOAS Oregon State University, Corvallis, USA

# 14D25678.AGE >>> RR1310-D07-22B >>> FRENCH POLYNESIA | RURUTU (13-INT-08) PROJECT




## Ar-Ages in Ma

**WEIGHTED PLATEAU**
**54.66 ± 0.12**
**TOTAL FUSION**
**53.37 ± 0.11**
**NORMAL ISOCHRON**
**54.40 ± 0.27**
**INVERSE ISOCHRON**
**54.51 ± 0.27**

## Sample Info

**Groundmass**
**Rurutu Hotspot**
**Kevin Konrad**

**IRR = 14-OSU-02 (2A43-14)**
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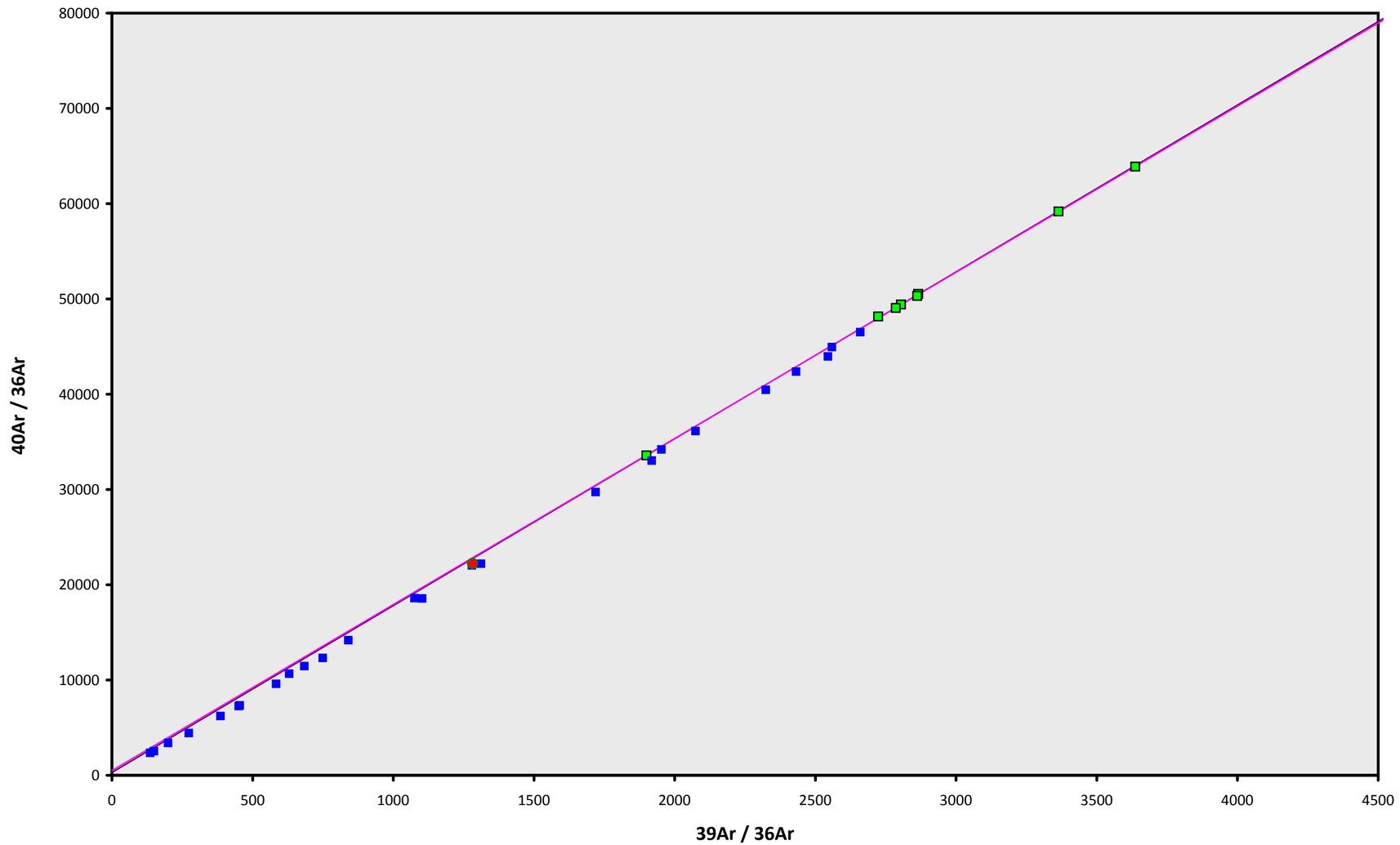



## Ar-Ages in Ma

**WEIGHTED PLATEAU**
**54.66 ± 0.12**
**TOTAL FUSION**
**53.37 ± 0.11**
**NORMAL ISOCHRON**
**54.40 ± 0.27**
**INVERSE ISOCHRON**
**54.51 ± 0.27**

**MSWD (PROBABILITY)**
**1.22 (29%)**

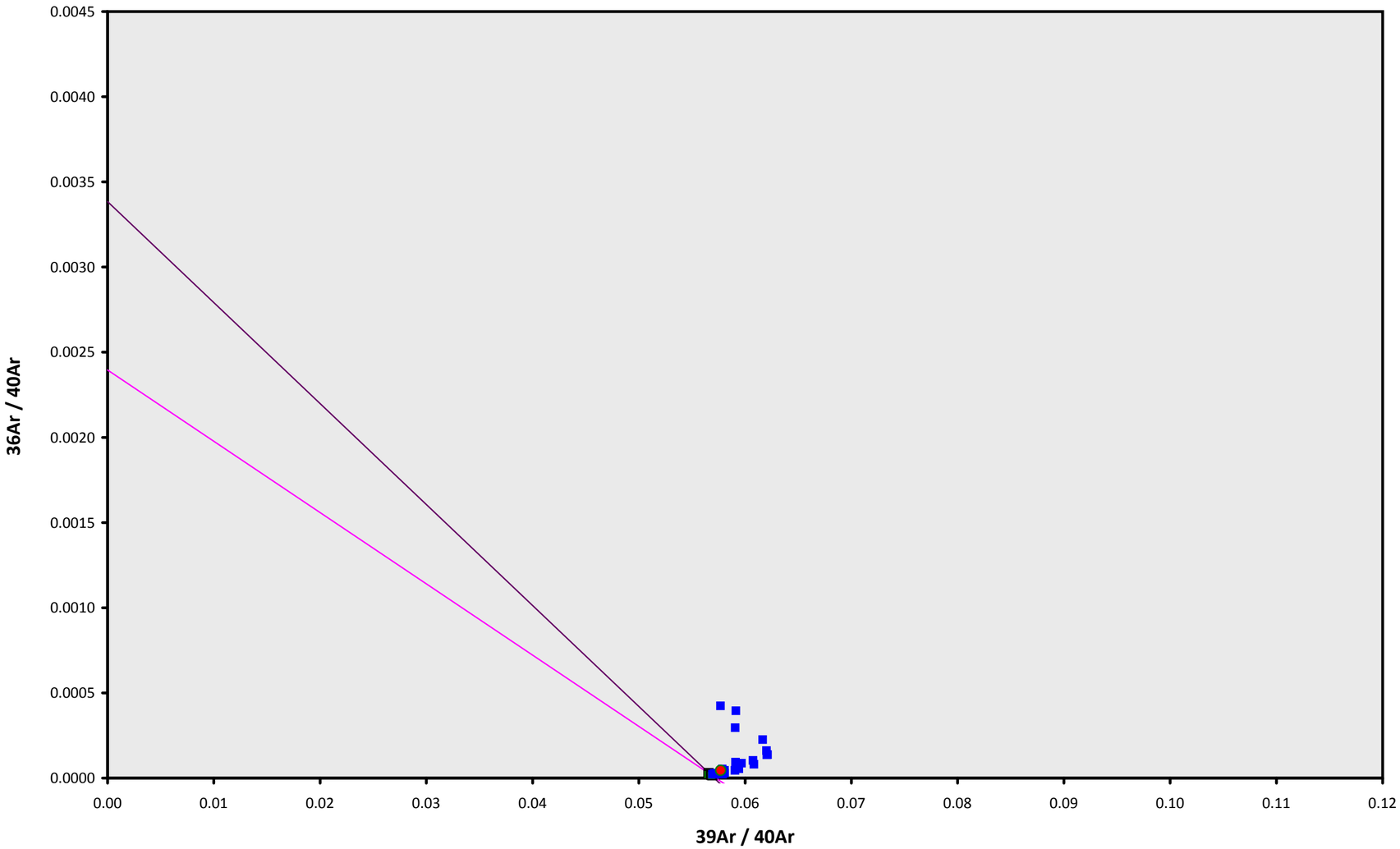
**40AR/36AR INTERCEPT**
**490.2 ± 196.3**

## Sample Info

**Groundmass**
**Rurutu Hotspot**
**Kevin Konrad**

**IRR = 14-OSU-02 (2A43-14)**
**J = 0.00175195 ± 0.00000165**

# 14D25678.AGE >>> RR1310-D07-22B >>> FRENCH POLYNESIA | RURUTU (13-INT-08) PROJECT




## Ar-Ages in Ma

**WEIGHTED PLATEAU**
**54.66 ± 0.12**
**TOTAL FUSION**
**53.37 ± 0.11**
**NORMAL ISOCHRON**
**54.40 ± 0.27**
**INVERSE ISOCHRON**
**54.51 ± 0.27**

**MSWD (PROBABILITY)**
**1.28 (26%)**

**SPREADING FACTOR**
**0.7%**

**40AR/36AR INTERCEPT**
**417.4 ± 183.9**

## Sample Info

**Groundmass**
**Rurutu Hotspot**
**Kevin Konrad**

**IRR = 14-OSU-02 (2A43-14)**
**J = 0.00175195 ± 0.00000165**