

| Incremental Heating | | 36Ar(a) | 37Ar(ca) | 38Ar(cl) | 39Ar(k) | 40Ar(r) | Age ± 2σ (Ma) | 40Ar(r) (%) | 39Ar(k) (%) | K/Ca ± 2σ |
|---------------------|----------|----------|----------|----------|----------|----------|---------------|-------------|-------------|---------------|
| 06C2930 | 0.00 W | 0.002229 | 0.000889 | 0.000210 | 0.001330 | 0.021301 | 53.98 ± 35.84 | 3.13 | 0.07 | 0.643 ± 0.113 |
| 06C2931 | 0.01 W | 0.002407 | 0.003304 | 0.000428 | 0.003996 | 0.033821 | 28.73 ± 12.27 | 4.54 | 0.20 | 0.520 ± 0.068 |
| 06C2933 | 0.09 W | 0.001614 | 0.007019 | 0.000654 | 0.009927 | 0.028620 | 9.84 ± 4.60 | 5.66 | 0.49 | 0.608 ± 0.042 |
| 06C2934 | 0.15 W ✓ | 0.000976 | 0.010528 | 0.000733 | 0.014484 | 0.009757 | 2.30 ± 2.38 | 3.27 | 0.72 | 0.592 ± 0.033 |
| 06C2935 | 0.18 W ✓ | 0.000414 | 0.012466 | 0.000597 | 0.017634 | 0.008646 | 1.68 ± 1.76 | 6.59 | 0.87 | 0.608 ± 0.031 |
| 06C2937 | 0.21 W ✓ | 0.000345 | 0.025359 | 0.000647 | 0.033668 | 0.009250 | 0.94 ± 1.04 | 8.32 | 1.67 | 0.571 ± 0.026 |
| 06C2938 | 0.24 W ✓ | 0.000247 | 0.032706 | 0.000565 | 0.040588 | 0.020975 | 1.77 ± 0.77 | 22.33 | 2.01 | 0.534 ± 0.024 |
| 06C2939 | 0.29 W ✓ | 0.000277 | 0.046042 | 0.000514 | 0.053854 | 0.018207 | 1.16 ± 0.58 | 18.16 | 2.67 | 0.503 ± 0.021 |
| 06C2941 | 0.35 W ✓ | 0.000213 | 0.051761 | 0.000449 | 0.060310 | 0.019997 | 1.13 ± 0.57 | 24.08 | 2.99 | 0.501 ± 0.021 |
| 06C2942 | 0.44 W ✓ | 0.000264 | 0.117477 | 0.000509 | 0.118806 | 0.048130 | 1.39 ± 0.25 | 38.10 | 5.88 | 0.435 ± 0.019 |
| 06C2943 | 0.53 W ✓ | 0.000293 | 0.173187 | 0.000431 | 0.154056 | 0.057014 | 1.27 ± 0.20 | 39.65 | 7.63 | 0.383 ± 0.017 |
| 06C2945 | 0.62 W ✓ | 0.000318 | 0.262050 | 0.000490 | 0.209994 | 0.080824 | 1.32 ± 0.16 | 46.18 | 10.40 | 0.345 ± 0.014 |
| 06C2946 | 0.80 W ✓ | 0.000374 | 0.321637 | 0.000637 | 0.238959 | 0.090012 | 1.29 ± 0.13 | 44.83 | 11.83 | 0.319 ± 0.013 |
| 06C2947 | 1.00 W ✓ | 0.000423 | 0.372231 | 0.000929 | 0.272154 | 0.111367 | 1.40 ± 0.14 | 47.05 | 13.47 | 0.314 ± 0.013 |
| 06C2949 | 1.18 W ✓ | 0.000428 | 0.290583 | 0.001102 | 0.214856 | 0.086548 | 1.38 ± 0.17 | 40.54 | 10.64 | 0.318 ± 0.013 |
| 06C2950 | 1.56 W ✓ | 0.000563 | 0.286176 | 0.001397 | 0.190353 | 0.076773 | 1.38 ± 0.19 | 31.55 | 9.42 | 0.286 ± 0.012 |
| 06C2951 | 2.03 W ✓ | 0.000757 | 0.387978 | 0.001715 | 0.162862 | 0.069818 | 1.47 ± 0.21 | 23.76 | 8.06 | 0.181 ± 0.008 |
| 06C2953 | 2.65 W ✓ | 0.000900 | 0.580517 | 0.001619 | 0.125157 | 0.052637 | 1.44 ± 0.33 | 16.52 | 6.20 | 0.093 ± 0.004 |
| 06C2954 | 3.45 W ✓ | 0.001402 | 0.765156 | 0.001078 | 0.070782 | 0.027040 | 1.31 ± 0.69 | 6.12 | 3.50 | 0.040 ± 0.002 |
| 06C2955 | 4.78 W ✓ | 0.002492 | 0.736712 | 0.000411 | 0.026129 | 0.025893 | 3.39 ± 2.17 | 3.40 | 1.29 | 0.015 ± 0.001 |
| Σ | | 0.016935 | 4.483777 | 0.015117 | 2.019899 | 0.896632 | | | | |

Information on Analysis

Sample = SOS-1 2F14-06
Material = Groundmass 210-300μm
Location = Soso, Samoa
Analyst = Jamie Russell
Project = SAMOA
Mass Discrimination Law = LIN
Irradiation = OSU2F06
J = 0.00189270 ± 0.00000625
FCT-3 = 28.030 ± 0.003 Ma

| Results | 40(r)/39(k) ± 2σ | Age ± 2σ (Ma) | MSWD | 39Ar(k) (% ,n) | K/Ca ± 2σ |
|-------------------------|----------------------------|--|----------------|--|---------------|
| Age Plateau | 0.3956 ± 0.0168 ± 4.24% | 1.35 ± 0.06 ± 4.29% | 0.71 79% | 99.24 17 | 0.027 ± 0.024 |
| | | Minimal External Error ± 0.06 Analytical Error ± 0.06 | 1.35 1.0000 | 2σ Confidence Limit Error Magnification | |
| Total Fusion Age | 0.4439 ± 0.0250 ± 5.63% | 1.52 ± 0.09 ± 5.66% | | 20 | 0.194 ± 0.008 |
| | | Minimal External Error ± 0.09 Analytical Error ± 0.09 | | | |

| Normal Isochron | | 39(k)/36(a) ± 2σ | 40(a+r)/36(a) ± 2σ | r.i. |
|-----------------|----------|------------------|--------------------|--------|
| 06C2930 | 0.00 W | 0.6 ± 0.0 | 305.1 ± 6.6 | 0.4235 |
| 06C2931 | 0.01 W | 1.7 ± 0.0 | 309.6 ± 6.3 | 0.6143 |
| 06C2933 | 0.09 W | 6.1 ± 0.2 | 313.2 ± 8.7 | 0.8624 |
| 06C2934 | 0.15 W ✓ | 14.8 ± 0.4 | 305.5 ± 10.6 | 0.8138 |
| 06C2935 | 0.18 W ✓ | 42.6 ± 2.5 | 316.4 ± 22.9 | 0.8145 |
| 06C2937 | 0.21 W ✓ | 97.7 ± 8.6 | 322.3 ± 31.7 | 0.8882 |
| 06C2938 | 0.24 W ✓ | 164.6 ± 17.6 | 380.5 ± 45.1 | 0.9028 |
| 06C2939 | 0.29 W ✓ | 194.2 ± 18.5 | 361.2 ± 38.2 | 0.8990 |
| 06C2941 | 0.35 W ✓ | 283.1 ± 40.2 | 389.4 ± 59.0 | 0.9359 |
| 06C2942 | 0.44 W ✓ | 450.1 ± 42.4 | 477.8 ± 47.9 | 0.9361 |
| 06C2943 | 0.53 W ✓ | 526.0 ± 47.3 | 490.2 ± 46.6 | 0.9456 |
| 06C2945 | 0.62 W ✓ | 661.1 ± 59.8 | 550.0 ± 51.8 | 0.9589 |
| 06C2946 | 0.80 W ✓ | 639.8 ± 43.5 | 536.5 ± 38.6 | 0.9416 |
| 06C2947 | 1.00 W ✓ | 644.0 ± 50.7 | 559.0 ± 45.5 | 0.9649 |
| 06C2949 | 1.18 W ✓ | 501.5 ± 35.2 | 497.5 ± 37.2 | 0.9341 |
| 06C2950 | 1.56 W ✓ | 338.4 ± 17.9 | 432.0 ± 24.9 | 0.9079 |
| 06C2951 | 2.03 W ✓ | 215.1 ± 7.6 | 387.7 ± 15.6 | 0.8450 |
| 06C2953 | 2.65 W ✓ | 139.1 ± 5.3 | 354.0 ± 15.4 | 0.8646 |
| 06C2954 | 3.45 W ✓ | 50.5 ± 1.5 | 314.8 ± 10.7 | 0.8737 |
| 06C2955 | 4.78 W ✓ | 10.5 ± 0.2 | 305.9 ± 6.9 | 0.8650 |

| Results | 40(a)/36(a) ± 2σ | 40(r)/39(k) ± 2σ | Age ± 2σ (Ma) | MSWD |
|-----------------|---|--|--|--------------------------------------|
| Normal Isochron | 300.1581 ± 4.7374 ± 1.58% | 0.3825 ± 0.0209 ± 5.45% | 1.31 ± 0.07 ± 5.49% | 0.49 95% |
| | | Minimal External Error ± 0.08 Analytical Error ± 0.07 | | |
| Statistics | 2σ Confidence Limit Error Magnification Number of Data Points | 1.73 1.0000 17 | Convergence Number of Iterations Calculated Line | 0.0000016990 9 Weighted York-2 |

| Inverse Isochron | | 39(k)/40(a+r) ± 2σ | 36(a)/40(a+r) ± 2σ | r.i. |
|------------------|----------|---------------------|---------------------|--------|
| 06C2930 | 0.00 W | 0.001957 ± 0.000091 | 0.003278 ± 0.000071 | 0.0009 |
| 06C2931 | 0.01 W | 0.005364 ± 0.000113 | 0.003230 ± 0.000065 | 0.1988 |
| 06C2933 | 0.09 W | 0.019633 ± 0.000279 | 0.003193 ± 0.000089 | 0.3739 |
| 06C2934 | 0.15 W ✓ | 0.048576 ± 0.000980 | 0.003273 ± 0.000113 | 0.5377 |
| 06C2935 | 0.18 W ✓ | 0.134512 ± 0.005660 | 0.003161 ± 0.000229 | 0.5705 |
| 06C2937 | 0.21 W ✓ | 0.303001 ± 0.013706 | 0.003102 ± 0.000305 | 0.4486 |
| 06C2938 | 0.24 W ✓ | 0.432431 ± 0.022045 | 0.002628 ± 0.000312 | 0.4264 |
| 06C2939 | 0.29 W ✓ | 0.537696 ± 0.024929 | 0.002769 ± 0.000293 | 0.4340 |
| 06C2941 | 0.35 W ✓ | 0.727055 ± 0.038803 | 0.002568 ± 0.000389 | 0.3494 |
| 06C2942 | 0.44 W ✓ | 0.941945 ± 0.033217 | 0.002093 ± 0.000210 | 0.3422 |
| 06C2943 | 0.53 W ✓ | 1.073148 ± 0.033173 | 0.002040 ± 0.000194 | 0.3212 |
| 06C2945 | 0.62 W ✓ | 1.202135 ± 0.032128 | 0.001818 ± 0.000171 | 0.2779 |
| 06C2946 | 0.80 W ✓ | 1.192510 ± 0.028887 | 0.001864 ± 0.000134 | 0.3248 |
| 06C2947 | 1.00 W ✓ | 1.151978 ± 0.024599 | 0.001789 ± 0.000146 | 0.2550 |
| 06C2949 | 1.18 W ✓ | 1.008051 ± 0.026931 | 0.002010 ± 0.000150 | 0.3489 |
| 06C2950 | 1.56 W ✓ | 0.783337 ± 0.018942 | 0.002315 ± 0.000134 | 0.4023 |
| 06C2951 | 2.03 W ✓ | 0.554798 ± 0.011978 | 0.002579 ± 0.000104 | 0.4939 |
| 06C2953 | 2.65 W ✓ | 0.392988 ± 0.008587 | 0.002825 ± 0.000123 | 0.4838 |
| 06C2954 | 3.45 W ✓ | 0.160363 ± 0.002662 | 0.003177 ± 0.000108 | 0.4624 |
| 06C2955 | 4.78 W ✓ | 0.034278 ± 0.000389 | 0.003269 ± 0.000073 | 0.3825 |

| Results | 40(a)/36(a) ± 2σ | 40(r)/39(k) ± 2σ | Age ± 2σ (Ma) | MSWD |
|------------------|---|--|--|--------------------------------------|
| Inverse Isochron | 300.2639 ± 4.7413 ± 1.58% | 0.3836 ± 0.0208 ± 5.42% | 1.31 ± 0.07 ± 5.46% | 0.48 95% |
| | | Minimal External Error ± 0.08 Analytical Error ± 0.07 | | |
| Statistics | 2σ Confidence Limit Error Magnification Number of Data Points Spreading Factor | 1.73 1.0000 17 44.8% | Convergence Number of Iterations Calculated Line | 0.0012534691 4 Weighted York-2 |

| Relative Abundances | | 36Ar | %1σ | 37Ar | %1σ | 38Ar | %1σ | 39Ar | %1σ | 40Ar | %1σ | Age ± 2σ (Ma) | 40Ar(r) (%) | 39Ar(k) (%) | K/Ca ± 2σ |
|---------------------|----------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|---------------|-------------|-------------|---------------|
| 06C2930 | 0.00 W | 0.0022294 | 1.086 | 0.0008894 | 8.250 | 0.0006431 | 2.638 | 0.0013311 | 2.319 | 0.6800208 | 0.048 | 53.98 ± 35.84 | 3.13 | 0.07 | 0.643 ± 0.113 |
| 06C2931 | 0.01 W | 0.0024080 | 0.901 | 0.0033043 | 6.194 | 0.0009263 | 1.802 | 0.0039988 | 0.946 | 0.7451190 | 0.460 | 28.73 ± 12.27 | 4.54 | 0.20 | 0.520 ± 0.068 |
| 06C2933 | 0.09 W | 0.0016163 | 1.248 | 0.0070191 | 2.777 | 0.0010758 | 1.635 | 0.0099324 | 0.369 | 0.5056712 | 0.608 | 9.84 ± 4.60 | 5.66 | 0.49 | 0.608 ± 0.042 |
| 06C2934 | 0.15 W ✓ | 0.0009790 | 1.432 | 0.0105284 | 1.915 | 0.0010915 | 1.707 | 0.0144918 | 0.278 | 0.2982043 | 0.969 | 2.30 ± 2.38 | 3.27 | 0.72 | 0.592 ± 0.033 |
| 06C2935 | 0.18 W ✓ | 0.0004178 | 2.941 | 0.0124656 | 1.599 | 0.0008887 | 1.572 | 0.0176426 | 0.271 | 0.1311239 | 2.086 | 1.68 ± 1.76 | 6.59 | 0.87 | 0.608 ± 0.031 |
| 06C2937 | 0.21 W ✓ | 0.0003516 | 4.299 | 0.0253593 | 1.089 | 0.0011204 | 1.564 | 0.0336859 | 0.349 | 0.1111704 | 2.233 | 0.94 ± 1.04 | 8.32 | 1.67 | 0.571 ± 0.026 |
| 06C2938 | 0.24 W ✓ | 0.0002555 | 5.170 | 0.0327055 | 0.922 | 0.0011035 | 1.545 | 0.0406113 | 0.234 | 0.0939273 | 2.536 | 1.77 ± 0.77 | 22.33 | 2.01 | 0.534 ± 0.024 |
| 06C2939 | 0.29 W ✓ | 0.0002898 | 4.559 | 0.0460416 | 0.655 | 0.0012198 | 1.270 | 0.0538862 | 0.220 | 0.1002449 | 2.306 | 1.16 ± 0.58 | 18.16 | 2.67 | 0.503 ± 0.021 |
| 06C2941 | 0.35 W ✓ | 0.0002270 | 6.658 | 0.0517610 | 0.616 | 0.0012204 | 1.230 | 0.0603463 | 0.236 | 0.0830500 | 2.655 | 1.13 ± 0.57 | 24.08 | 2.99 | 0.501 ± 0.021 |
| 06C2942 | 0.44 W ✓ | 0.0002956 | 4.197 | 0.1174770 | 0.689 | 0.0020007 | 1.051 | 0.1188889 | 0.290 | 0.1263240 | 1.736 | 1.39 ± 0.25 | 38.10 | 5.88 | 0.435 ± 0.019 |
| 06C2943 | 0.53 W ✓ | 0.0003395 | 3.875 | 0.1731866 | 0.817 | 0.0023571 | 1.079 | 0.1541785 | 0.176 | 0.1438091 | 1.532 | 1.27 ± 0.20 | 39.65 | 7.63 | 0.383 ± 0.017 |
| 06C2945 | 0.62 W ✓ | 0.0003882 | 3.694 | 0.2620503 | 0.591 | 0.0031013 | 0.745 | 0.2101802 | 0.195 | 0.1750311 | 1.318 | 1.32 ± 0.16 | 46.18 | 10.40 | 0.345 ± 0.014 |
| 06C2946 | 0.80 W ✓ | 0.0004601 | 2.753 | 0.3216365 | 0.567 | 0.0036109 | 0.744 | 0.2391871 | 0.227 | 0.2007776 | 1.186 | 1.29 ± 0.13 | 44.83 | 11.83 | 0.319 ± 0.013 |
| 06C2947 | 1.00 W ✓ | 0.0005229 | 3.173 | 0.3722306 | 0.559 | 0.0043155 | 0.646 | 0.2724178 | 0.181 | 0.2366983 | 1.049 | 1.40 ± 0.14 | 47.05 | 13.47 | 0.314 ± 0.013 |
| 06C2949 | 1.18 W ✓ | 0.0005067 | 2.957 | 0.2905827 | 0.602 | 0.0037934 | 0.696 | 0.2150617 | 0.203 | 0.2134942 | 1.317 | 1.38 ± 0.17 | 40.54 | 10.64 | 0.318 ± 0.013 |
| 06C2950 | 1.56 W ✓ | 0.0006397 | 2.310 | 0.2861758 | 0.677 | 0.0038165 | 0.621 | 0.1905562 | 0.243 | 0.2433170 | 1.182 | 1.38 ± 0.19 | 31.55 | 9.42 | 0.286 ± 0.012 |
| 06C2951 | 2.03 W ✓ | 0.0008618 | 1.517 | 0.3879785 | 0.540 | 0.0038412 | 0.712 | 0.1631366 | 0.300 | 0.2938197 | 1.036 | 1.47 ± 0.21 | 23.76 | 8.06 | 0.181 ± 0.008 |
| 06C2953 | 2.65 W ✓ | 0.0010560 | 1.608 | 0.5805173 | 0.611 | 0.0033217 | 0.783 | 0.1255691 | 0.210 | 0.3186834 | 1.071 | 1.44 ± 0.33 | 16.52 | 6.20 | 0.093 ± 0.004 |
| 06C2954 | 3.45 W ✓ | 0.0016082 | 1.306 | 0.7651555 | 0.554 | 0.0022220 | 1.045 | 0.0713247 | 0.183 | 0.4415043 | 0.809 | 1.31 ± 0.69 | 6.12 | 3.50 | 0.040 ± 0.002 |
| 06C2955 | 4.78 W ✓ | 0.0026901 | 0.932 | 0.7367118 | 0.625 | 0.0012168 | 1.368 | 0.0266510 | 0.273 | 0.7622947 | 0.494 | 3.39 ± 2.17 | 3.40 | 1.29 | 0.015 ± 0.001 |
| Σ | | 0.0181436 | 0.411 | 4.4837768 | 0.195 | 0.0428867 | 0.222 | 2.0230782 | 0.064 | 5.9042854 | 0.207 | | | | |

| Information on Analysis and Constants Used in Calculations | |
|--|--|
| Sample = SOS-1 2F14-06 | Age Equations = Conventional |
| Material = Groundmass 210-300μm | Negative Intensities = Allowed |
| Location = Soso, Samoa | Decay Constant 40K = 5.530 ± 0.048 E-10 1/a |
| Analyst = Jamie Russell | Decay Constant 39Ar = 2.940 ± 0.016 E-07 1/h |
| Project = SAMOA | Decay Constant 37Ar = 8.230 ± 0.012 E-04 1/h |
| Mass Discrimination Law = LIN | Decay Constant 36Cl = 2.236 ± 0.045 E-06 1/a |
| Irradiation = OSU2F06 | Production Ratio 36/38 in Cl = 316.0 ± 15.8 |
| J = 0.00189270 ± 0.00000625 | |
| FCT-3 = 28.030 ± 0.003 Ma | |
| IGSN = KOP000044 | |
| Preferred Age = Plateau Age | |
| Classification = Eruption Age | |
| Experiment Type = Incremental Heating | |
| Extraction Method = Bulk Laser Heating | |
| Heating = 600 sec | |
| Isolation = 15.00 min | |
| Instrument = MAP215-50 | |
| Lithology = Basalt | |
| Lat-Lon = 13°46.1'S - 170°14.5'E | |

| Results | 40(r)/39(k) ± 2σ | Age ± 2σ (Ma) | MSWD | 39Ar(k) (% ,n) | K/Ca ± 2σ |
|-------------------------|-------------------------------|------------------------|-------------|---------------------|---------------|
| Age Plateau | 0.3956 ± 0.0168 ± 4.24% | 1.35 ± 0.06 ± 4.29% | 0.71 79% | 99.24 17 | 0.027 ± 0.024 |
| | Minimal External Error ± 0.06 | | 1.35 | 2σ Confidence Limit | |
| | Analytical Error ± 0.06 | | 1.0000 | Error Magnification | |
| Total Fusion Age | 0.4439 ± 0.0250 ± 5.63% | 1.52 ± 0.09 ± 5.66% | | 20 | 0.194 ± 0.008 |
| | Minimal External Error ± 0.09 | | | | |
| | Analytical Error ± 0.09 | | | | |
| Normal Isochron | 0.3825 ± 0.0209 ± 5.45% | 1.31 ± 0.07 ± 5.49% | 0.49 95% | 99.24 17 | |
| | Minimal External Error ± 0.08 | | 1.73 | 2σ Confidence Limit | |
| | Analytical Error ± 0.07 | | 1.0000 | Error Magnification | |
| Inverse Isochron | 0.3836 ± 0.0208 ± 5.42% | 1.31 ± 0.07 ± 5.46% | 0.48 95% | 99.24 17 | |
| | Minimal External Error ± 0.08 | | 1.73 | 2σ Confidence Limit | |
| | Analytical Error ± 0.07 | | 1.0000 | Error Magnification | |

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| Degassing Patterns | | 36Ar(a) | %1σ | 36Ar(c) | %1σ | 36Ar(ca) | %1σ | 36Ar(cl) | %1σ | 37Ar(ca) | %1σ | 38Ar(a) | %1σ | 38Ar(c) | %1σ | 38Ar(k) | %1σ | 38Ar(ca) | %1σ | 38Ar(cl) | %1σ | 39Ar(k) | %1σ | 39Ar(ca) | %1σ | 40Ar(r) | %1σ | 40Ar(a) | %1σ | 40Ar(c) | %1σ | 40Ar(k) | %1σ |
|--------------------|----------|----------|------|----------|------|----------|----------|----------|----------|----------|------|----------|------|----------|------|----------|------|----------|----------|----------|-------|----------|----------|----------|------|----------|-------|----------|------|----------|----------|----------|-------|
| 06C2930 | 0.00 W | 0.002229 | 1.09 | 0.000000 | 0.00 | 0.000000 | 8.26 | 0.000000 | 9.94 | 0.000889 | 8.25 | 0.000417 | 1.09 | 0.000000 | 0.00 | 0.000016 | 2.32 | 0.000000 | 23.40 | 0.000210 | 11.30 | 0.001330 | 2.32 | 0.000001 | 8.45 | 0.021301 | 33.61 | 0.658717 | 1.09 | 0.000000 | 0.00 | 0.000002 | 25.01 |
| 06C2931 | 0.01 W | 0.002407 | 0.90 | 0.000000 | 0.00 | 0.000001 | 6.21 | 0.000000 | 6.72 | 0.003304 | 6.19 | 0.000450 | 0.90 | 0.000000 | 0.00 | 0.000048 | 0.95 | 0.000000 | 22.76 | 0.000428 | 8.61 | 0.003996 | 0.95 | 0.000002 | 6.46 | 0.033821 | 21.51 | 0.711292 | 0.90 | 0.000000 | 0.00 | 0.000007 | 24.92 |
| 06C2933 | 0.09 W | 0.001614 | 1.25 | 0.000000 | 0.00 | 0.000002 | 2.80 | 0.000000 | 6.05 | 0.007019 | 2.78 | 0.000302 | 1.25 | 0.000000 | 0.00 | 0.000120 | 0.38 | 0.000000 | 22.08 | 0.000654 | 8.10 | 0.009927 | 0.37 | 0.000005 | 3.33 | 0.028620 | 23.43 | 0.477035 | 1.25 | 0.000000 | 0.00 | 0.000016 | 24.90 |
| 06C2934 | 0.15 W ✓ | 0.000976 | 1.44 | 0.000000 | 0.00 | 0.000003 | 1.95 | 0.000000 | 5.97 | 0.010528 | 1.91 | 0.000182 | 1.44 | 0.000000 | 0.00 | 0.000175 | 0.30 | 0.000000 | 21.98 | 0.000733 | 8.04 | 0.014484 | 0.28 | 0.000007 | 2.65 | 0.009757 | 51.76 | 0.288423 | 1.44 | 0.000000 | 0.00 | 0.000024 | 24.90 |
| 06C2935 | 0.18 W ✓ | 0.000414 | 2.97 | 0.000000 | 0.00 | 0.000003 | 1.64 | 0.000000 | 5.88 | 0.012466 | 1.60 | 0.000077 | 2.97 | 0.000000 | 0.00 | 0.000214 | 0.29 | 0.000000 | 21.96 | 0.000597 | 7.98 | 0.017634 | 0.27 | 0.000009 | 2.43 | 0.008646 | 52.58 | 0.122449 | 2.97 | 0.000000 | 0.00 | 0.000029 | 24.90 |
| 06C2937 | 0.21 W ✓ | 0.000345 | 4.38 | 0.000000 | 0.00 | 0.000007 | 1.15 | 0.000000 | 6.05 | 0.025359 | 1.09 | 0.000064 | 4.38 | 0.000000 | 0.00 | 0.000408 | 0.36 | 0.000001 | 21.93 | 0.000647 | 8.10 | 0.033668 | 0.35 | 0.000018 | 2.13 | 0.009250 | 55.25 | 0.101865 | 4.38 | 0.000000 | 0.00 | 0.000056 | 24.90 |
| 06C2938 | 0.24 W ✓ | 0.000247 | 5.36 | 0.000000 | 0.00 | 0.000009 | 0.99 | 0.000000 | 6.19 | 0.032706 | 0.92 | 0.000046 | 5.36 | 0.000000 | 0.00 | 0.000492 | 0.25 | 0.000001 | 21.92 | 0.000565 | 8.21 | 0.040588 | 0.23 | 0.000023 | 2.05 | 0.020975 | 21.80 | 0.072886 | 5.36 | 0.000000 | 0.00 | 0.000067 | 24.90 |
| 06C2939 | 0.29 W ✓ | 0.000277 | 4.76 | 0.000000 | 0.00 | 0.000012 | 0.75 | 0.000000 | 6.20 | 0.046042 | 0.65 | 0.000052 | 4.76 | 0.000000 | 0.00 | 0.000652 | 0.24 | 0.000001 | 21.91 | 0.000514 | 8.21 | 0.053854 | 0.22 | 0.000033 | 1.94 | 0.018207 | 24.92 | 0.081949 | 4.76 | 0.000000 | 0.00 | 0.000089 | 24.90 |
| 06C2941 | 0.35 W ✓ | 0.000213 | 7.10 | 0.000000 | 0.00 | 0.000014 | 0.72 | 0.000000 | 6.39 | 0.051761 | 0.62 | 0.000040 | 7.10 | 0.000000 | 0.00 | 0.000730 | 0.26 | 0.000002 | 21.91 | 0.000449 | 8.35 | 0.060310 | 0.24 | 0.000037 | 1.93 | 0.019997 | 24.91 | 0.062953 | 7.10 | 0.000000 | 0.00 | 0.000100 | 24.90 |
| 06C2942 | 0.44 W ✓ | 0.000264 | 4.70 | 0.000000 | 0.00 | 0.000032 | 0.78 | 0.000000 | 6.86 | 0.117477 | 0.69 | 0.000049 | 4.70 | 0.000000 | 0.00 | 0.001439 | 0.31 | 0.000004 | 21.91 | 0.000509 | 8.72 | 0.118806 | 0.29 | 0.000083 | 1.96 | 0.048130 | 8.88 | 0.077998 | 4.70 | 0.000000 | 0.00 | 0.000196 | 24.90 |
| 06C2943 | 0.53 W ✓ | 0.000293 | 4.50 | 0.000000 | 0.00 | 0.000047 | 0.90 | 0.000000 | 8.06 | 0.173187 | 0.82 | 0.000055 | 4.50 | 0.000000 | 0.00 | 0.001866 | 0.20 | 0.000006 | 21.92 | 0.000431 | 9.69 | 0.154056 | 0.18 | 0.000123 | 2.00 | 0.057014 | 7.84 | 0.086541 | 4.50 | 0.000000 | 0.00 | 0.000254 | 24.90 |
| 06C2945 | 0.62 W ✓ | 0.000318 | 4.52 | 0.000000 | 0.00 | 0.000070 | 0.70 | 0.000000 | 7.28 | 0.262050 | 0.59 | 0.000059 | 4.52 | 0.000000 | 0.00 | 0.002543 | 0.22 | 0.000008 | 21.91 | 0.000490 | 9.05 | 0.209994 | 0.19 | 0.000186 | 1.92 | 0.080824 | 5.97 | 0.093860 | 4.52 | 0.000000 | 0.00 | 0.000346 | 24.90 |
| 06C2946 | 0.80 W ✓ | 0.000374 | 3.39 | 0.000000 | 0.00 | 0.000087 | 0.68 | 0.000000 | 6.95 | 0.321637 | 0.57 | 0.000070 | 3.39 | 0.000000 | 0.00 | 0.002894 | 0.25 | 0.000010 | 21.91 | 0.000637 | 8.79 | 0.238959 | 0.23 | 0.000228 | 1.92 | 0.090012 | 4.93 | 0.110371 | 3.39 | 0.000000 | 0.00 | 0.000394 | 24.90 |
| 06C2947 | 1.00 W ✓ | 0.000423 | 3.93 | 0.000000 | 0.00 | 0.000100 | 0.67 | 0.000000 | 6.22 | 0.372231 | 0.56 | 0.000079 | 3.93 | 0.000000 | 0.00 | 0.003296 | 0.21 | 0.000012 | 21.91 | 0.000929 | 8.23 | 0.272154 | 0.18 | 0.000264 | 1.91 | 0.111367 | 4.94 | 0.124882 | 3.93 | 0.000000 | 0.00 | 0.000449 | 24.90 |
| 06C2949 | 1.18 W ✓ | 0.000428 | 3.50 | 0.000000 | 0.00 | 0.000078 | 0.71 | 0.000000 | 5.93 | 0.290583 | 0.60 | 0.000080 | 3.50 | 0.000000 | 0.00 | 0.002602 | 0.23 | 0.000009 | 21.91 | 0.001102 | 8.01 | 0.214856 | 0.20 | 0.000206 | 1.93 | 0.086548 | 6.06 | 0.126591 | 3.50 | 0.000000 | 0.00 | 0.000355 | 24.90 |
| 06C2950 | 1.56 W ✓ | 0.000563 | 2.63 | 0.000000 | 0.00 | 0.000077 | 0.77 | 0.000000 | 5.67 | 0.286176 | 0.68 | 0.000105 | 2.63 | 0.000000 | 0.00 | 0.002305 | 0.26 | 0.000009 | 21.91 | 0.001397 | 7.82 | 0.190353 | 0.24 | 0.000203 | 1.95 | 0.076773 | 6.82 | 0.166230 | 2.63 | 0.000000 | 0.00 | 0.000314 | 24.90 |
| 06C2951 | 2.03 W ✓ | 0.000757 | 1.73 | 0.000000 | 0.00 | 0.000104 | 0.65 | 0.000000 | 5.63 | 0.387978 | 0.54 | 0.000142 | 1.73 | 0.000000 | 0.00 | 0.001972 | 0.32 | 0.000012 | 21.91 | 0.001715 | 7.79 | 0.162862 | 0.30 | 0.000275 | 1.91 | 0.069818 | 7.05 | 0.223733 | 1.73 | 0.000000 | 0.00 | 0.000269 | 24.90 |
| 06C2953 | 2.65 W ✓ | 0.000900 | 1.89 | 0.000000 | 0.00 | 0.000156 | 0.71 | 0.000000 | 5.63 | 0.580517 | 0.61 | 0.000168 | 1.89 | 0.000000 | 0.00 | 0.001516 | 0.23 | 0.000019 | 21.91 | 0.001619 | 7.79 | 0.125157 | 0.21 | 0.000412 | 1.93 | 0.052637 | 11.54 | 0.265840 | 1.89 | 0.000000 | 0.00 | 0.000207 | 24.90 |
| 06C2954 | 3.45 W ✓ | 0.001402 | 1.50 | 0.000000 | 0.00 | 0.000206 | 0.67 | 0.000000 | 5.84 | 0.765156 | 0.55 | 0.000262 | 1.50 | 0.000000 | 0.00 | 0.000857 | 0.21 | 0.000024 | 21.91 | 0.001078 | 7.94 | 0.070782 | 0.19 | 0.000542 | 1.91 | 0.027040 | 26.53 | 0.414348 | 1.50 | 0.000000 | 0.00 | 0.000117 | 24.90 |
| 06C2955 | 4.78 W ✓ | 0.002492 | 1.01 | 0.000000 | 0.00 | 0.000198 | 0.73 | 0.000000 | 6.95 | 0.736712 | 0.63 | 0.000466 | 1.01 | 0.000000 | 0.00 | 0.000316 | 0.30 | 0.000024 | 21.91 | 0.000411 | 8.79 | 0.026129 | 0.28 | 0.000522 | 1.93 | 0.025893 | 32.12 | 0.736358 | 1.01 | 0.000000 | 0.00 | 0.000043 | 24.90 |
| | Σ | 0.016935 | 0.44 | 0.000000 | 0.00 | 0.001206 | 0.23 | 0.000002 | 1.52 | 4.483777 | 0.19 | 0.003165 | 0.44 | 0.000000 | 0.00 | 0.024461 | 0.07 | 0.000143 | 7.15 | 0.015117 | 2.04 | 2.019899 | 0.06 | 0.003179 | 0.63 | 0.896632 | 2.81 | 5.004321 | 0.44 | 0.000000 | 0.00 | 0.003333 | 7.33 |
| | Σ | | | | | | 0.018144 | 0.41 | 4.483777 | 0.19 | | | | | | | | | 0.042887 | 0.72 | | | 2.023078 | 0.06 | | | | | | | 5.904285 | 0.57 | |

| Additional Parameters | | 40(r)/39(k) | 1σ | 40(r+a) | 1σ | 40Ar/39Ar | 1σ | 37Ar/39Ar | 1σ | 36Ar/39Ar | 1σ | Time (days) | 37Ar (decay) | 39Ar (decay) | 40Ar (moles) |
|-----------------------|----------|-------------|---------|----------|---------|------------|----------|-----------|---------|-----------|---------|-------------|--------------|--------------|--------------|
| 06C2930 | 0.00 W | 16.010437 | 5.39469 | 0.680019 | 0.00033 | 510.869505 | 11.84991 | 0.668180 | 0.05726 | 1.674875 | 0.04289 | 81.981 | 5.06408144 | 1.00057966 | 6.882E-20 |
| 06C2931 | 0.01 W | 8.462576 | 1.82193 | 0.745112 | 0.00343 | 186.333734 | 1.96058 | 0.826303 | 0.05178 | 0.602183 | 0.00787 | 82.003 | 5.06623523 | 1.00057981 | 7.541E-20 |
| 06C2933 | 0.09 W | 2.882878 | 0.67558 | 0.505655 | 0.00307 | 50.911162 | 0.36202 | 0.706687 | 0.01980 | 0.162732 | 0.00212 | 82.044 | 5.07040646 | 1.00058010 | 5.117E-20 |
| 06C2934 | 0.15 W ✓ | 0.673639 | 0.34867 | 0.298180 | 0.00289 | 20.577504 | 0.20745 | 0.726508 | 0.01406 | 0.067556 | 0.00099 | 82.066 | 5.07256294 | 1.00058025 | 3.018E-20 |
| 06C2935 | 0.18 W ✓ | 0.490314 | 0.25783 | 0.131095 | 0.00274 | 7.432220 | 0.15633 | 0.706560 | 0.01146 | 0.023683 | 0.00070 | 82.087 | 5.07465073 | 1.00058040 | 1.327E-20 |
| 06C2937 | 0.21 W ✓ | 0.274735 | 0.15179 | 0.111115 | 0.00248 | 3.300205 | 0.07460 | 0.752817 | 0.00861 | 0.010439 | 0.00045 | 82.129 | 5.07889855 | 1.00058070 | 1.125E-20 |
| 06C2938 | 0.24 W ✓ | 0.516768 | 0.11268 | 0.093860 | 0.00238 | 2.312839 | 0.05891 | 0.805331 | 0.00766 | 0.006292 | 0.00033 | 82.151 | 5.08105864 | 1.00058085 | 9.505E-21 |
| 06C2939 | 0.29 W ✓ | 0.338084 | 0.08425 | 0.100156 | 0.00231 | 1.860308 | 0.04308 | 0.854423 | 0.00590 | 0.005378 | 0.00025 | 82.172 | 5.08314993 | 1.00058100 | 1.014E-20 |
| 06C2941 | 0.35 W ✓ | 0.331579 | 0.08260 | 0.082951 | 0.00220 | 1.376224 | 0.03668 | 0.857733 | 0.00566 | 0.003762 | 0.00025 | 82.214 | 5.08740486 | 1.00058130 | 8.405E-21 |
| 06C2942 | 0.44 W ✓ | 0.405119 | 0.03599 | 0.126128 | 0.00219 | 1.062538 | 0.01870 | 0.988124 | 0.00739 | 0.002487 | 0.00010 | 82.235 | 5.08956857 | 1.00058145 | 1.278E-20 |
| 06C2943 | 0.53 W ✓ | 0.370085 | 0.02903 | 0.143555 | 0.00220 | 0.932744 | 0.01439 | 1.123286 | 0.00938 | 0.002202 | 0.00009 | 82.256 | 5.09166336 | 1.00058160 | 1.455E-20 |
| 06C2945 | 0.62 W ✓ | 0.384888 | 0.02300 | 0.174685 | 0.00231 | 0.832767 | 0.01110 | 1.246789 | 0.00775 | 0.001847 | 0.00007 | 82.299 | 5.09599532 | 1.00058190 | 1.771E-20 |
| 06C2946 | 0.80 W ✓ | 0.376685 | 0.01860 | 0.200383 | 0.00238 | 0.839416 | 0.01014 | 1.344707 | 0.00822 | 0.001924 | 0.00005 | 82.320 | 5.09809276 | 1.00058205 | 2.032E-20 |
| 06C2947 | 1.00 W ✓ | 0.409206 | 0.02022 | 0.236249 | 0.00249 | 0.868880 | 0.00925 | 1.366396 | 0.00802 | 0.001919 | 0.00006 | 82.342 | 5.10026101 | 1.00058220 | 2.395E-20 |
| 06C2949 | 1.18 W ✓ | 0.402821 | 0.02444 | 0.213140 | 0.00281 | 0.992711 | 0.01323 | 1.351160 | 0.00858 | 0.002356 | 0.00007 | 82.384 | 5.10453027 | 1.00058250 | 2.161E-20 |
| 06C2950 | 1.56 W ✓ | 0.403318 | 0.02751 | 0.243003 | 0.00288 | 1.276878 | 0.01541 | 1.501792 | 0.01080 | 0.003357 | 0.00008 | 82.406 | 5.10670126 | 1.00058265 | 2.462E-20 |
| 06C2951 | 2.03 W ✓ | 0.428696 | 0.03025 | 0.293551 | 0.00304 | 1.801065 | 0.01942 | 2.378243 | 0.01468 | 0.005283 | 0.00008 | 82.426 | 5.10880310 | 1.00058280 | 2.973E-20 |
| 06C2953 | 2.65 W ✓ | 0.420568 | 0.04856 | 0.318477 | 0.00341 | 2.537913 | 0.02770 | 4.623091 | 0.02989 | 0.008410 | 0.00014 | 82.469 | 5.11314965 | 1.00058310 | 3.225E-20 |
| 06C2954 | 3.45 W ✓ | 0.382014 | 0.10135 | 0.441388 | 0.00357 | 6.190062 | 0.05134 | 10.727778 | 0.06256 | 0.022547 | 0.00030 | 82.490 | 5.11525414 | 1.00058325 | 4.468E-20 |
| 06C2955 | 4.78 W ✓ | 0.990996 | 0.31831 | 0.762252 | 0.00376 | 28.602879 | 0.16125 | 27.642952 | 0.18859 | 0.100940 | 0.00098 | 82.512 | 5.11742970 | 1.00058340 | 7.714E-20 |

| Procedure Blanks | | 36Ar | 1σ | 37Ar | 1σ | 38Ar | 1σ | 39Ar | 1σ | 40Ar | 1σ |
|---------------------|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 06C2930 | 0.00 W | 0.000327 | 0.000009 | 0.000035 | 0.000006 | 0.000046 | 0.000009 | 0.000061 | 0.000008 | 0.100700 | 0.000118 |
| 06C2931 | 0.01 W | 0.000199 | 0.000011 | 0.000033 | 0.000040 | 0.000035 | 0.000011 | 0.000059 | 0.000032 | 0.058299 | 0.003362 |
| 06C2933 | 0.09 W | 0.000207 | 0.000010 | 0.000054 | 0.000036 | 0.000038 | 0.000011 | 0.000090 | 0.000029 | 0.061244 | 0.003030 |
| 06C2934 | 0.15 W | 0.000207 | 0.000010 | 0.000061 | 0.000034 | 0.000039 | 0.000011 | 0.000100 | 0.000028 | 0.061683 | 0.002872 |
| 06C2935 | 0.18 W | 0.000205 | 0.000010 | 0.000066 | 0.000033 | 0.000038 | 0.000011 | 0.000106 | 0.000026 | 0.061530 | 0.002729 |
| 06C2937 | 0.21 W | 0.000195 | 0.000010 | 0.000069 | 0.000030 | 0.000037 | 0.000011 | 0.000109 | 0.000024 | 0.059849 | 0.002480 |
| 06C2938 | 0.24 W | 0.000189 | 0.000010 | 0.000068 | 0.000028 | 0.000036 | 0.000011 | 0.000107 | 0.000023 | 0.058487 | 0.002378 |
| 06C2939 | 0.29 W | 0.000182 | 0.000010 | 0.000065 | 0.000027 | 0.000034 | 0.000011 | 0.000103 | 0.000022 | 0.056967 | 0.002299 |
| 06C2941 | 0.35 W | 0.000168 | 0.000010 | 0.000058 | 0.000026 | 0.000031 | 0.000011 | 0.000089 | 0.000021 | 0.053647 | 0.002202 |
| 06C2942 | 0.44 W | 0.000161 | 0.000010 | 0.000053 | 0.000026 | 0.000030 | 0.000011 | 0.000081 | 0.000021 | 0.052038 | 0.002189 |
| 06C2943 | 0.53 W | 0.000156 | 0.000010 | 0.000049 | 0.000026 | 0.000028 | 0.000011 | 0.000072 | 0.000021 | 0.050657 | 0.002201 |
| 06C2945 | 0.62 W | 0.000149 | 0.000010 | 0.000040 | 0.000027 | 0.000026 | 0.000011 | 0.000054 | 0.000022 | 0.048743 | 0.002298 |
| 06C2946 | 0.80 W | 0.000149 | 0.000010 | 0.000036 | 0.000028 | 0.000026 | 0.000011 | 0.000047 | 0.000023 | 0.048461 | 0.002377 |
| 06C2947 | 1.00 W | 0.000151 | 0.000010 | 0.000033 | 0.000030 | 0.000027 | 0.000011 | 0.000040 | 0.000024 | 0.048743 | 0.002479 |
| 06C2949 | 1.18 W | 0.000165 | 0.000010 | 0.000031 | 0.000032 | 0.000029 | 0.000011 | 0.000031 | 0.000026 | 0.051381 | 0.002728 |
| 06C2950 | 1.56 W | 0.000177 | 0.000010 | 0.000032 | 0.000034 | 0.000032 | 0.000011 | 0.000030 | 0.000028 | 0.053978 | 0.002875 |
| 06C2951 | 2.03 W | 0.000194 | 0.000010 | 0.000036 | 0.000036 | 0.000035 | 0.000011 | 0.000031 | 0.000029 | 0.057422 | 0.003028 |
| 06C2953 | 2.65 W | 0.000241 | 0.000011 | 0.000050 | 0.000040 | 0.000045 | 0.000011 | 0.000043 | 0.000033 | 0.067839 | 0.003372 |
| 06C2954 | 3.45 W | 0.000272 | 0.000012 | 0.000061 | 0.000042 | 0.000051 | 0.000011 | 0.000055 | 0.000034 | 0.074664 | 0.003548 |
| 06C2955 | 4.78 W | 0.000310 | 0.000013 | 0.000075 | 0.000045 | 0.000059 | 0.000011 | 0.000071 | 0.000036 | 0.083070 | 0.003737 |

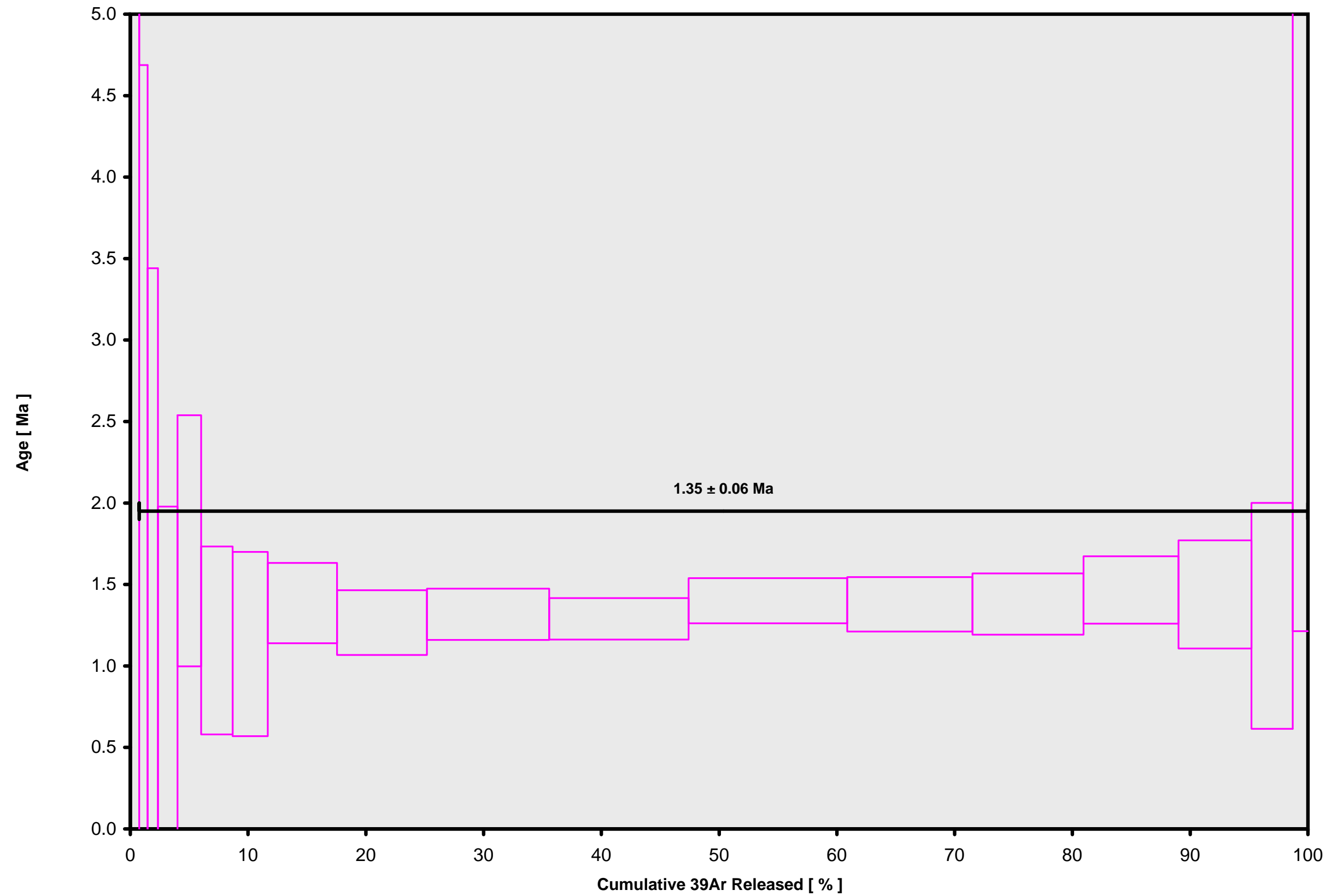
| Intercept Values | 36Ar | 1σ | r2 | | 37Ar | 1σ | r2 | | 38Ar | 1σ | r2 | | 39Ar | 1σ | r2 | | 40Ar | 1σ | r2 | | |
|------------------|--------|----------|----------|--------|-------|----------|----------|--------|--------------|----------|----------|--------|---------|----------|----------|--------|-----------------|----------|----------|--------|----------------|
| 06C2930 | 0.00 W | 0.002545 | 0.000018 | 0.7834 | LIN # | 0.000209 | 0.000013 | 0.9445 | LIN # | 0.000682 | 0.000014 | 0.1254 | LIN # | 0.001372 | 0.000029 | 0.9971 | LIN # | 0.767067 | 0.000299 | 0.9988 | EXP # 1 2 |
| 06C2931 | 0.01 W | 0.002597 | 0.000011 | 0.8687 | LIN # | 0.000680 | 0.000007 | 0.9756 | LIN # | 0.000952 | 0.000012 | 0.0490 | LIN # | 0.003999 | 0.000018 | 0.9987 | EXP # | 0.789368 | 0.000670 | 0.9951 | LIN # 1 2 |
| 06C2933 | 0.09 W | 0.001815 | 0.000014 | 0.6008 | LIN # | 0.001429 | 0.000012 | 0.8085 | EXP # | 0.001102 | 0.000013 | 0.2031 | LIN # | 0.009878 | 0.000015 | 0.9973 | EXP # | 0.556945 | 0.000507 | 0.9918 | EXP # 1 |
| 06C2934 | 0.15 W | 0.001180 | 0.000008 | 0.8186 | LIN # | 0.002122 | 0.000018 | 0.1719 | EXP # | 0.001118 | 0.000014 | 0.5029 | LIN # | 0.014379 | 0.000018 | 0.9880 | EXP # 1 8 | 0.353524 | 0.000318 | 0.9871 | LIN # 1 11 |
| 06C2935 | 0.18 W | 0.000618 | 0.000007 | 0.4874 | LIN # | 0.002505 | 0.000018 | 0.7508 | LIN # 3 | 0.000917 | 0.000008 | 0.7113 | LIN # | 0.017492 | 0.000028 | 0.9071 | LIN # 3 | 0.189266 | 0.000173 | 0.9827 | EXP # 5 6 12 |
| 06C2937 | 0.21 W | 0.000543 | 0.000011 | 0.1638 | LIN # | 0.005029 | 0.000037 | 0.7450 | LIN # | 0.001146 | 0.000013 | 0.3930 | LIN # | 0.033313 | 0.000100 | 0.9198 | EXP # | 0.168045 | 0.000117 | 0.7341 | EXP # |
| 06C2938 | 0.24 W | 0.000441 | 0.000009 | 0.2459 | LIN # | 0.006464 | 0.000039 | 0.8941 | EXP # | 0.001128 | 0.000012 | 0.4891 | LIN # | 0.040141 | 0.000065 | 0.9926 | LIN # 1 2 3 8 9 | 0.149778 | 0.000136 | 0.7764 | LIN # |
| 06C2939 | 0.29 W | 0.000468 | 0.000009 | 0.0862 | LIN # | 0.009066 | 0.000022 | 0.9842 | LIN # 5 7 11 | 0.001241 | 0.000010 | 0.6356 | LIN # | 0.053224 | 0.000077 | 0.9888 | EXP # | 0.154492 | 0.000237 | 0.0011 | LIN # |
| 06C2941 | 0.35 W | 0.000391 | 0.000012 | 0.0046 | LIN # | 0.010170 | 0.000019 | 0.9850 | EXP # | 0.001239 | 0.000009 | 0.8110 | LIN # | 0.059586 | 0.000101 | 0.9873 | EXP # | 0.134346 | 0.000115 | 0.8157 | EXP # |
| 06C2942 | 0.44 W | 0.000453 | 0.000008 | 0.0580 | LIN # | 0.022992 | 0.000098 | 0.9471 | EXP # | 0.002010 | 0.000017 | 0.7696 | LIN # | 0.117286 | 0.000283 | 0.9767 | EXP # 10 | 0.175277 | 0.000133 | 0.3163 | EXP # 7 |
| 06C2943 | 0.53 W | 0.000492 | 0.000009 | 0.0360 | LIN # | 0.033849 | 0.000208 | 0.8628 | EXP # | 0.002361 | 0.000021 | 0.5806 | LIN # | 0.152052 | 0.000109 | 0.9982 | EXP # 7 | 0.191084 | 0.000110 | 0.3902 | EXP # 12 |
| 06C2945 | 0.62 W | 0.000534 | 0.000010 | 0.0436 | LIN # | 0.051140 | 0.000130 | 0.9763 | EXP # | 0.003096 | 0.000018 | 0.8312 | LIN # | 0.207238 | 0.000228 | 0.9948 | EXP # 11 12 | 0.219882 | 0.000211 | 0.7211 | EXP # |
| 06C2946 | 0.80 W | 0.000605 | 0.000008 | 0.4550 | LIN # | 0.062737 | 0.000123 | 0.9912 | EXP # 1 12 | 0.003601 | 0.000021 | 0.8950 | LIN # 1 | 0.235847 | 0.000380 | 0.9916 | EXP # 1 | 0.244928 | 0.000144 | 0.9473 | LIN # 4 |
| 06C2947 | 1.00 W | 0.000670 | 0.000013 | 0.0230 | LIN # | 0.072573 | 0.000124 | 0.9916 | EXP # 9 10 | 0.004299 | 0.000021 | 0.9172 | LIN # 1 | 0.268627 | 0.000223 | 0.9958 | EXP # 11 12 | 0.280532 | 0.000149 | 0.9695 | LIN # 11 |
| 06C2949 | 1.18 W | 0.000667 | 0.000011 | 0.0084 | LIN # | 0.056607 | 0.000158 | 0.9704 | EXP # | 0.003785 | 0.000020 | 0.8656 | LIN # | 0.212048 | 0.000262 | 0.9946 | EXP # 3 | 0.260294 | 0.000674 | 0.6057 | EXP # 5 |
| 06C2950 | 1.56 W | 0.000813 | 0.000010 | 0.0522 | LIN # | 0.055732 | 0.000232 | 0.9526 | EXP # | 0.003810 | 0.000017 | 0.8761 | LIN # | 0.187906 | 0.000341 | 0.9884 | EXP # 2 | 0.292182 | 0.000111 | 0.9968 | EXP # 1 2 3 11 |
| 06C2951 | 2.03 W | 0.001050 | 0.000006 | 0.4462 | LIN # | 0.075511 | 0.000066 | 0.9982 | EXP # 5 7 10 | 0.003838 | 0.000022 | 0.8421 | LIN # | 0.160858 | 0.000407 | 0.9719 | LIN # 1 | 0.345167 | 0.000295 | 0.9866 | LIN # 1 |
| 06C2953 | 2.65 W | 0.001291 | 0.000011 | 0.5975 | LIN # | 0.112874 | 0.000341 | 0.9763 | EXP # 3 6 | 0.003333 | 0.000021 | 0.7982 | LIN # | 0.123822 | 0.000166 | 0.9892 | EXP # 12 | 0.379800 | 0.000524 | 0.9660 | LIN # 4 8 |
| 06C2954 | 3.45 W | 0.001872 | 0.000014 | 0.8298 | LIN # | 0.148708 | 0.000231 | 0.9953 | EXP # 5 6 | 0.002250 | 0.000019 | 0.6832 | LIN # | 0.070362 | 0.000053 | 0.9953 | LIN # 7 10 11 | 0.507191 | 0.000395 | 0.9932 | EXP # |
| 06C2955 | 4.78 W | 0.002988 | 0.000013 | 0.8903 | LIN # | 0.143121 | 0.000472 | 0.9697 | EXP # | 0.001263 | 0.000012 | 0.0104 | LIN # | 0.026338 | 0.000046 | 0.7904 | LIN # 1 11 | 0.830580 | 0.000426 | 0.9987 | EXP # 4 5 10 |

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| Sample Parameters | Sample | Material | Location | Analyst | Temp | Standard (in Ma) | %1σ | J | %1σ | MDF | %1σ | Volume Ratio | Sensitivity (mol/volt) | Day | Month | Year | Hour | Min | Resist | Irradiation | Project | Experiment | Nmb | Standard Name | |
|-------------------|--------|---------------|----------------------|-------------|-----------------|------------------|-------|------|-----------|------|---------|--------------|------------------------|-----------|-------|------|------|-----|--------|-------------|---------|------------|---------|---------------|-------|
| 06C2930 | 0.00 W | SOS-1 2F14-06 | Groundmass 210-300μm | Soso, Samoa | Jamie Russell | 0 | 28.03 | 0.01 | 0.0018927 | 0.33 | 1.00378 | 0.16 | 1.0178 | 1.012E-19 | 27 | AUG | 2006 | 14 | 36 | 001 | OSU2F06 | Samoa | 06C2930 | 01 | FCT-3 |
| 06C2931 | 0.01 W | SOS-1 2F14-06 | Groundmass 210-300μm | Soso, Samoa | Jamie Russell | 0.01 | 28.03 | 0.01 | 0.0018927 | 0.33 | 1.00378 | 0.16 | 1.0178 | 1.012E-19 | 27 | AUG | 2006 | 15 | 07 | 001 | OSU2F06 | Samoa | 06C2930 | 01 | FCT-3 |
| 06C2933 | 0.09 W | SOS-1 2F14-06 | Groundmass 210-300μm | Soso, Samoa | Jamie Russell | 0.09 | 28.03 | 0.01 | 0.0018927 | 0.33 | 1.00378 | 0.16 | 1.0179 | 1.012E-19 | 27 | AUG | 2006 | 16 | 07 | 001 | OSU2F06 | Samoa | 06C2930 | 01 | FCT-3 |
| 06C2934 | 0.15 W | SOS-1 2F14-06 | Groundmass 210-300μm | Soso, Samoa | Jamie Russell | 0.15 | 28.03 | 0.01 | 0.0018927 | 0.33 | 1.00378 | 0.16 | 1.018 | 1.012E-19 | 27 | AUG | 2006 | 16 | 38 | 001 | OSU2F06 | Samoa | 06C2930 | 01 | FCT-3 |
| 06C2935 | 0.18 W | SOS-1 2F14-06 | Groundmass 210-300μm | Soso, Samoa | Jamie Russell | 0.18 | 28.03 | 0.01 | 0.0018927 | 0.33 | 1.00378 | 0.16 | 1.0179 | 1.012E-19 | 27 | AUG | 2006 | 17 | 08 | 001 | OSU2F06 | Samoa | 06C2930 | 01 | FCT-3 |
| 06C2937 | 0.21 W | SOS-1 2F14-06 | Groundmass 210-300μm | Soso, Samoa | Jamie Russell | 0.21 | 28.03 | 0.01 | 0.0018927 | 0.33 | 1.00378 | 0.16 | 1.0177 | 1.012E-19 | 27 | AUG | 2006 | 18 | 09 | 001 | OSU2F06 | Samoa | 06C2930 | 01 | FCT-3 |
| 06C2938 | 0.24 W | SOS-1 2F14-06 | Groundmass 210-300μm | Soso, Samoa | Jamie Russell | 0.24 | 28.03 | 0.01 | 0.0018927 | 0.33 | 1.00378 | 0.16 | 1.0176 | 1.012E-19 | 27 | AUG | 2006 | 18 | 40 | 001 | OSU2F06 | Samoa | 06C2930 | 01 | FCT-3 |
| 06C2939 | 0.29 W | SOS-1 2F14-06 | Groundmass 210-300μm | Soso, Samoa | Jamie Russell | 0.29 | 28.03 | 0.01 | 0.0018927 | 0.33 | 1.00378 | 0.16 | 1.0176 | 1.012E-19 | 27 | AUG | 2006 | 19 | 10 | 001 | OSU2F06 | Samoa | 06C2930 | 01 | FCT-3 |
| 06C2941 | 0.35 W | SOS-1 2F14-06 | Groundmass 210-300μm | Soso, Samoa | Anthony Koppers | 0.35 | 28.03 | 0.01 | 0.0018927 | 0.33 | 1.00378 | 0.16 | 1.0175 | 1.012E-19 | 27 | AUG | 2006 | 20 | 11 | 001 | OSU2F06 | Samoa | 06C2930 | 01 | FCT-3 |
| 06C2942 | 0.44 W | SOS-1 2F14-06 | Groundmass 210-300μm | Soso, Samoa | Anthony Koppers | 0.44 | 28.03 | 0.01 | 0.0018927 | 0.33 | 1.00378 | 0.16 | 1.0176 | 1.012E-19 | 27 | AUG | 2006 | 20 | 42 | 001 | OSU2F06 | Samoa | 06C2930 | 01 | FCT-3 |
| 06C2943 | 0.53 W | SOS-1 2F14-06 | Groundmass 210-300μm | Soso, Samoa | Anthony Koppers | 0.53 | 28.03 | 0.01 | 0.0018927 | 0.33 | 1.00378 | 0.16 | 1.0177 | 1.012E-19 | 27 | AUG | 2006 | 21 | 12 | 001 | OSU2F06 | Samoa | 06C2930 | 01 | FCT-3 |
| 06C2945 | 0.62 W | SOS-1 2F14-06 | Groundmass 210-300μm | Soso, Samoa | Anthony Koppers | 0.62 | 28.03 | 0.01 | 0.0018927 | 0.33 | 1.00378 | 0.16 | 1.0177 | 1.012E-19 | 27 | AUG | 2006 | 22 | 14 | 001 | OSU2F06 | Samoa | 06C2930 | 01 | FCT-3 |
| 06C2946 | 0.80 W | SOS-1 2F14-06 | Groundmass 210-300μm | Soso, Samoa | Anthony Koppers | 0.8 | 28.03 | 0.01 | 0.0018927 | 0.33 | 1.00378 | 0.16 | 1.0176 | 1.012E-19 | 27 | AUG | 2006 | 22 | 44 | 001 | OSU2F06 | Samoa | 06C2930 | 01 | FCT-3 |
| 06C2947 | 1.00 W | SOS-1 2F14-06 | Groundmass 210-300μm | Soso, Samoa | Anthony Koppers | 1 | 28.03 | 0.01 | 0.0018927 | 0.33 | 1.00378 | 0.16 | 1.0175 | 1.012E-19 | 27 | AUG | 2006 | 23 | 15 | 001 | OSU2F06 | Samoa | 06C2930 | 01 | FCT-3 |
| 06C2949 | 1.18 W | SOS-1 2F14-06 | Groundmass 210-300μm | Soso, Samoa | Anthony Koppers | 1.18 | 28.03 | 0.01 | 0.0018927 | 0.33 | 1.00378 | 0.16 | 1.0176 | 1.012E-19 | 28 | AUG | 2006 | 00 | 16 | 001 | OSU2F06 | Samoa | 06C2930 | 01 | FCT-3 |
| 06C2950 | 1.56 W | SOS-1 2F14-06 | Groundmass 210-300μm | Soso, Samoa | Anthony Koppers | 1.56 | 28.03 | 0.01 | 0.0018927 | 0.33 | 1.00378 | 0.16 | 1.0175 | 1.012E-19 | 28 | AUG | 2006 | 00 | 47 | 001 | OSU2F06 | Samoa | 06C2930 | 01 | FCT-3 |
| 06C2951 | 2.03 W | SOS-1 2F14-06 | Groundmass 210-300μm | Soso, Samoa | Anthony Koppers | 2.03 | 28.03 | 0.01 | 0.0018927 | 0.33 | 1.00378 | 0.16 | 1.0176 | 1.012E-19 | 28 | AUG | 2006 | 01 | 17 | 001 | OSU2F06 | Samoa | 06C2930 | 01 | FCT-3 |
| 06C2953 | 2.65 W | SOS-1 2F14-06 | Groundmass 210-300μm | Soso, Samoa | Anthony Koppers | 2.65 | 28.03 | 0.01 | 0.0018927 | 0.33 | 1.00378 | 0.16 | 1.0177 | 1.012E-19 | 28 | AUG | 2006 | 02 | 19 | 001 | OSU2F06 | Samoa | 06C2930 | 01 | FCT-3 |
| 06C2954 | 3.45 W | SOS-1 2F14-06 | Groundmass 210-300μm | Soso, Samoa | Anthony Koppers | 3.45 | 28.03 | 0.01 | 0.0018927 | 0.33 | 1.00378 | 0.16 | 1.0177 | 1.012E-19 | 28 | AUG | 2006 | 02 | 49 | 001 | OSU2F06 | Samoa | 06C2930 | 01 | FCT-3 |
| 06C2955 | 4.78 W | SOS-1 2F14-06 | Groundmass 210-300μm | Soso, Samoa | Anthony Koppers | 4.78 | 28.03 | 0.01 | 0.0018927 | 0.33 | 1.00378 | 0.16 | 1.0178 | 1.012E-19 | 28 | AUG | 2006 | 03 | 20 | 001 | OSU2F06 | Samoa | 06C2930 | 01 | FCT-3 |

| 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 | | %1σ | | %1σ | | %1σ | | %1σ | | %1σ | | %1σ | | %1σ | | %1σ | | %1σ | | %1σ | | %1σ | | %1σ | |
| 06C2930 | 0.00 W | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000709 | 1.83 | 0.000032 | 21.9 | 0.000269 | 0.37 | 0.00165 | 24.9 | 0.01211 | 0.1 | 0 | 0 | 0.43 | 2 | 0 | 0 | 0 | 0 |
| 06C2931 | 0.01 W | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000709 | 1.83 | 0.000032 | 21.9 | 0.000269 | 0.37 | 0.00165 | 24.9 | 0.01211 | 0.1 | 0 | 0 | 0.43 | 2 | 0 | 0 | 0 | 0 |
| 06C2933 | 0.09 W | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000709 | 1.83 | 0.000032 | 21.9 | 0.000269 | 0.37 | 0.00165 | 24.9 | 0.01211 | 0.1 | 0 | 0 | 0.43 | 2 | 0 | 0 | 0 | 0 |
| 06C2934 | 0.15 W | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000709 | 1.83 | 0.000032 | 21.9 | 0.000269 | 0.37 | 0.00165 | 24.9 | 0.01211 | 0.1 | 0 | 0 | 0.43 | 2 | 0 | 0 | 0 | 0 |
| 06C2935 | 0.18 W | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000709 | 1.83 | 0.000032 | 21.9 | 0.000269 | 0.37 | 0.00165 | 24.9 | 0.01211 | 0.1 | 0 | 0 | 0.43 | 2 | 0 | 0 | 0 | 0 |
| 06C2937 | 0.21 W | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000709 | 1.83 | 0.000032 | 21.9 | 0.000269 | 0.37 | 0.00165 | 24.9 | 0.01211 | 0.1 | 0 | 0 | 0.43 | 2 | 0 | 0 | 0 | 0 |
| 06C2938 | 0.24 W | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000709 | 1.83 | 0.000032 | 21.9 | 0.000269 | 0.37 | 0.00165 | 24.9 | 0.01211 | 0.1 | 0 | 0 | 0.43 | 2 | 0 | 0 | 0 | 0 |
| 06C2939 | 0.29 W | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000709 | 1.83 | 0.000032 | 21.9 | 0.000269 | 0.37 | 0.00165 | 24.9 | 0.01211 | 0.1 | 0 | 0 | 0.43 | 2 | 0 | 0 | 0 | 0 |
| 06C2941 | 0.35 W | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000709 | 1.83 | 0.000032 | 21.9 | 0.000269 | 0.37 | 0.00165 | 24.9 | 0.01211 | 0.1 | 0 | 0 | 0.43 | 2 | 0 | 0 | 0 | 0 |
| 06C2942 | 0.44 W | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000709 | 1.83 | 0.000032 | 21.9 | 0.000269 | 0.37 | 0.00165 | 24.9 | 0.01211 | 0.1 | 0 | 0 | 0.43 | 2 | 0 | 0 | 0 | 0 |
| 06C2943 | 0.53 W | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000709 | 1.83 | 0.000032 | 21.9 | 0.000269 | 0.37 | 0.00165 | 24.9 | 0.01211 | 0.1 | 0 | 0 | 0.43 | 2 | 0 | 0 | 0 | 0 |
| 06C2945 | 0.62 W | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000709 | 1.83 | 0.000032 | 21.9 | 0.000269 | 0.37 | 0.00165 | 24.9 | 0.01211 | 0.1 | 0 | 0 | 0.43 | 2 | 0 | 0 | 0 | 0 |
| 06C2946 | 0.80 W | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000709 | 1.83 | 0.000032 | 21.9 | 0.000269 | 0.37 | 0.00165 | 24.9 | 0.01211 | 0.1 | 0 | 0 | 0.43 | 2 | 0 | 0 | 0 | 0 |
| 06C2947 | 1.00 W | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000709 | 1.83 | 0.000032 | 21.9 | 0.000269 | 0.37 | 0.00165 | 24.9 | 0.01211 | 0.1 | 0 | 0 | 0.43 | 2 | 0 | 0 | 0 | 0 |
| 06C2949 | 1.18 W | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000709 | 1.83 | 0.000032 | 21.9 | 0.000269 | 0.37 | 0.00165 | 24.9 | 0.01211 | 0.1 | 0 | 0 | 0.43 | 2 | 0 | 0 | 0 | 0 |
| 06C2950 | 1.56 W | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000709 | 1.83 | 0.000032 | 21.9 | 0.000269 | 0.37 | 0.00165 | 24.9 | 0.01211 | 0.1 | 0 | 0 | 0.43 | 2 | 0 | 0 | 0 | 0 |
| 06C2951 | 2.03 W | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000709 | 1.83 | 0.000032 | 21.9 | 0.000269 | 0.37 | 0.00165 | 24.9 | 0.01211 | 0.1 | 0 | 0 | 0.43 | 2 | 0 | 0 | 0 | 0 |
| 06C2953 | 2.65 W | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000709 | 1.83 | 0.000032 | 21.9 | 0.000269 | 0.37 | 0.00165 | 24.9 | 0.01211 | 0.1 | 0 | 0 | 0.43 | 2 | 0 | 0 | 0 | 0 |
| 06C2954 | 3.45 W | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000709 | 1.83 | 0.000032 | 21.9 | 0.000269 | 0.37 | 0.00165 | 24.9 | 0.01211 | 0.1 | 0 | 0 | 0.43 | 2 | 0 | 0 | 0 | 0 |
| 06C2955 | 4.78 W | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.000709 | 1.83 | 0.000032 | 21.9 | 0.000269 | 0.37 | 0.00165 | 24.9 | 0.01211 | 0.1 | 0 | 0 | 0.43 | 2 | 0 | 0 | 0 | 0 |

06C2930.AGE >>> SOS-1 2F14-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

1.35 ± 0.06

TOTAL FUSION

1.52 ± 0.09

NORMAL ISOCHRON

1.31 ± 0.07

INVERSE ISOCHRON

1.31 ± 0.07

MSWD (PROBABILITY)

0.71 (79%)

Sample Info

Groundmass 210-300µm

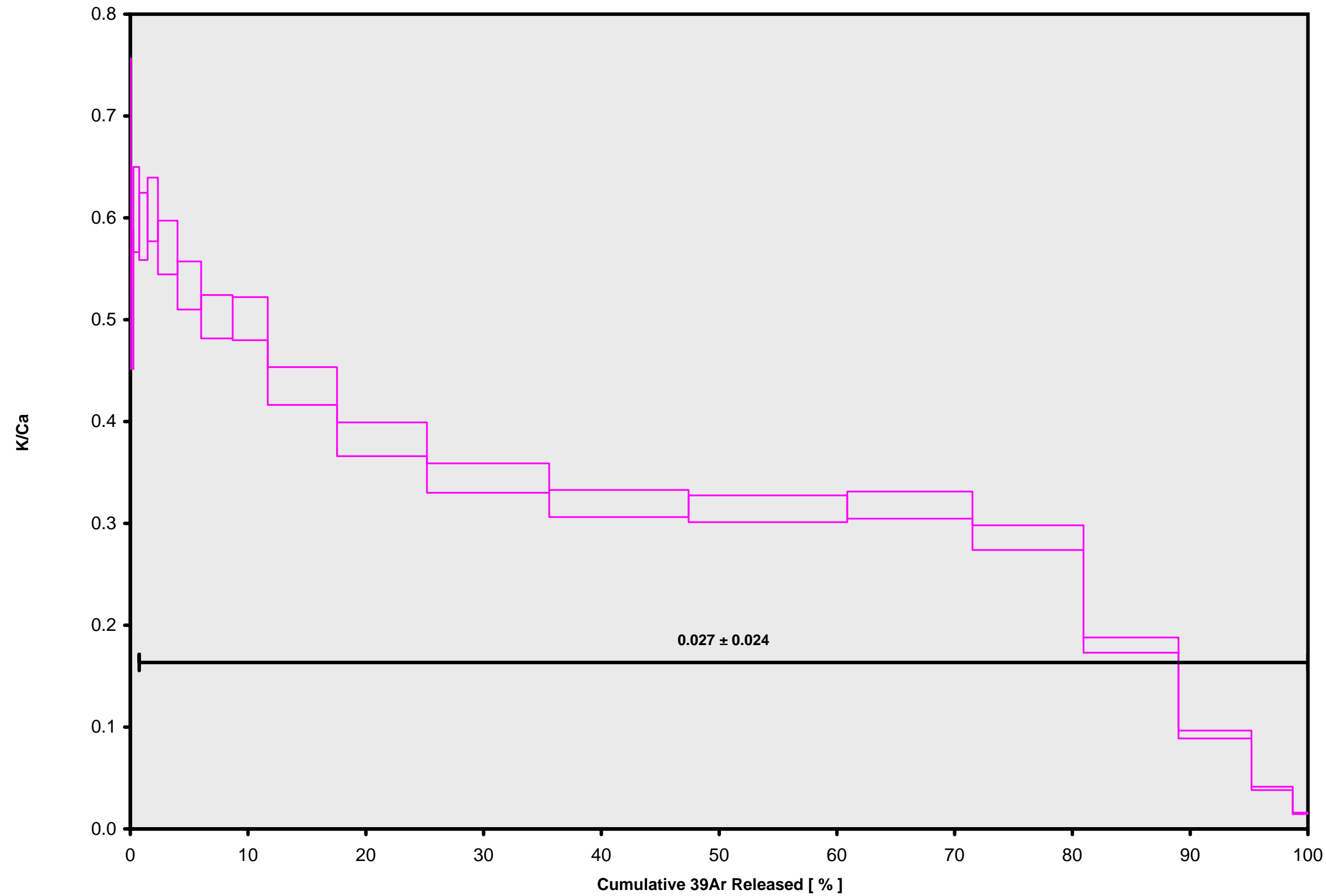
Soso, Samoa

Jamie Russell

IRR = OSU2F06

J = 0.00189270 ± 0.00000625

06C2930.AGE >>> SOS-1 2F14-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

1.35 ± 0.06

TOTAL FUSION

1.52 ± 0.09

NORMAL ISOCHRON

1.31 ± 0.07

INVERSE ISOCHRON

1.31 ± 0.07

Sample Info

Groundmass 210-300µm

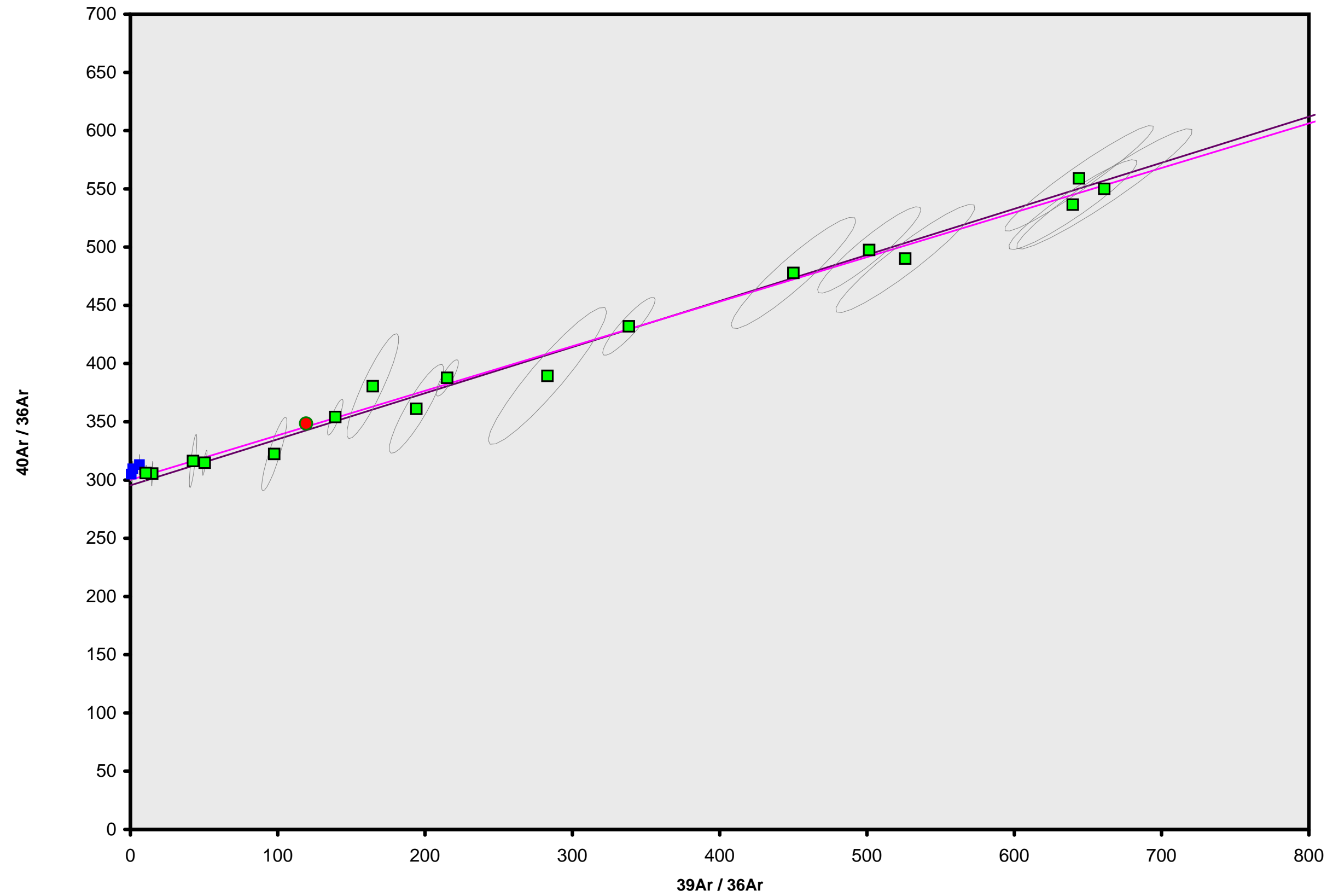
Soso, Samoa

Jamie Russell

IRR = OSU2F06

J = 0.00189270 ± 0.00000625

06C2930.AGE >>> SOS-1 2F14-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

1.35 ± 0.06

TOTAL FUSION

1.52 ± 0.09

NORMAL ISOCHRON

1.31 ± 0.07

INVERSE ISOCHRON

1.31 ± 0.07

MSWD (PROBABILITY)

0.49 (95%)

40AR/36AR INTERCEPT

300.2 ± 4.7

Sample Info

Groundmass 210-300 μ m

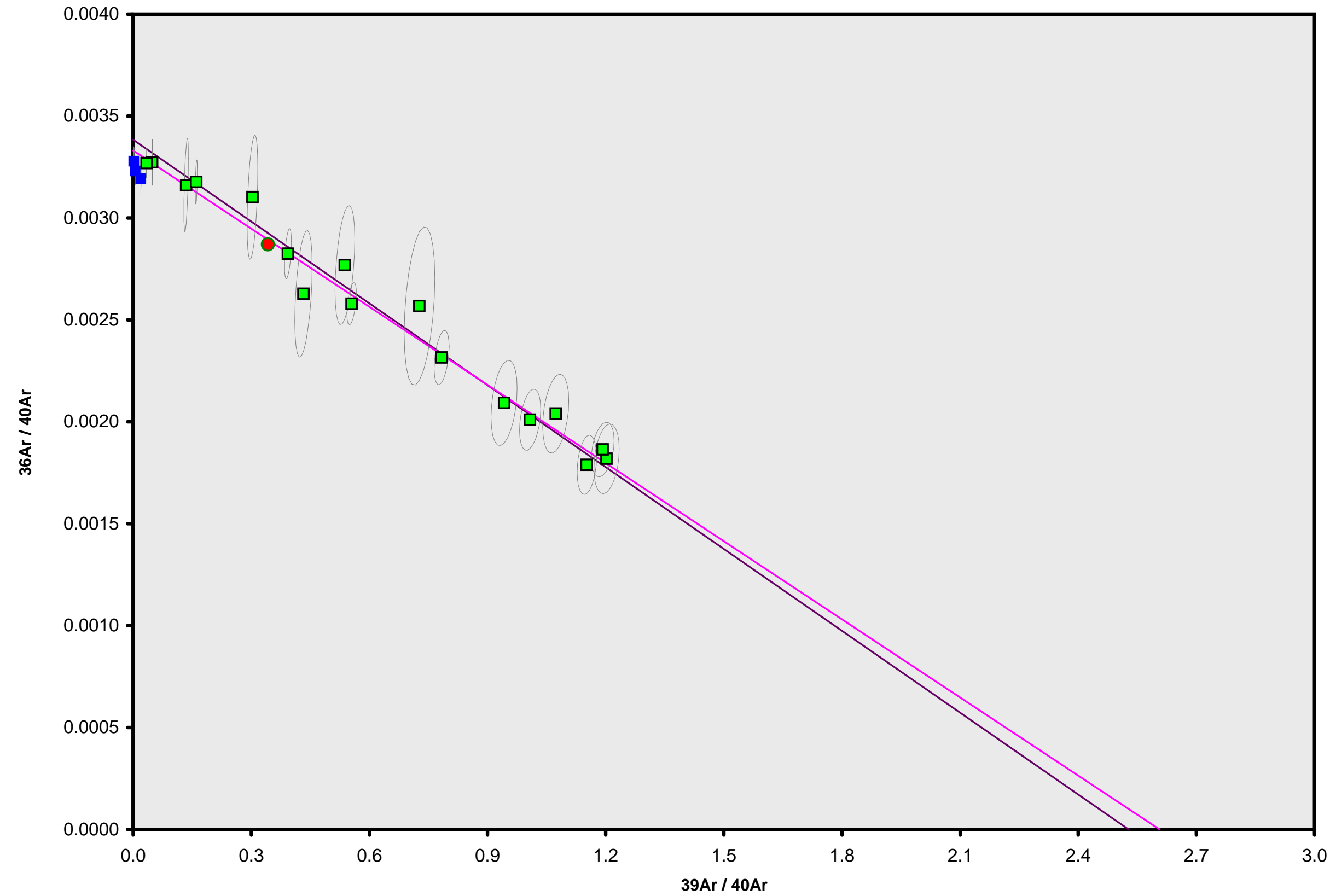
Soso, Samoa

Jamie Russell

IRR = OSU2F06

J = $0.00189270 \pm 0.00000625$

06C2930.AGE >>> SOS-1 2F14-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

1.35 ± 0.06

TOTAL FUSION

1.52 ± 0.09

NORMAL ISOCHRON

1.31 ± 0.07

INVERSE ISOCHRON

1.31 ± 0.07

MSWD (PROBABILITY)

0.48 (95%)

SPREADING FACTOR

44.8%

40AR/36AR INTERCEPT

300.3 ± 4.7

Sample Info

Groundmass 210-300µm

Soso, Samoa

Jamie Russell

IRR = OSU2F06

J = 0.00189270 ± 0.00000625