

N-6 K-feldspar (J = 0.005274; Integrated age = 45.9 Ma)

| step | T (C) | $^{40}\text{Ar}/^{39}\text{Ar}$ | $^{37}\text{Ar}/^{39}\text{Ar}$ | $^{36}\text{Ar}/^{39}\text{Ar}$ | ^{39}Ar (mol) | $\Sigma^{39}\text{Ar}$ | % $^{40}\text{Ar}^*$ | Age $\pm 1\sigma$ (Ma) |
|------|-------|---------------------------------|---------------------------------|---------------------------------|------------------------|------------------------|----------------------|------------------------|
| 1 | 450 | 342.0 | -0.014 | 9.02E-01 | 8.09E-15 | 0.14 | 22.0 | 604.4 \pm 25.8 |
| 2 | 450 | 19.57 | 0.029 | 5.58E-02 | 4.23E-15 | 0.21 | 15.5 | 28.8 \pm 2.1 |
| 3 | 500 | 14.54 | 0.022 | 1.45E-02 | 9.34E-15 | 0.38 | 70.1 | 94.8 \pm 0.6 |
| 4 | 500 | 3.707 | 0.026 | 6.77E-03 | 8.49E-15 | 0.52 | 44.7 | 15.9 \pm 0.7 |
| 5 | 550 | 9.547 | 0.028 | 4.90E-03 | 2.83E-14 | 1.01 | 84.4 | 75.2 \pm 0.2 |
| 6 | 550 | 2.086 | 0.042 | 2.12E-03 | 1.75E-14 | 1.32 | 67.9 | 13.6 \pm 0.3 |
| 7 | 600 | 4.391 | 0.047 | 2.21E-03 | 4.55E-14 | 2.11 | 84.4 | 35.0 \pm 0.1 |
| 8 | 600 | 1.865 | 0.039 | 1.18E-03 | 3.12E-14 | 2.65 | 79.3 | 14.1 \pm 0.2 |
| 9 | 650 | 3.244 | 0.036 | 1.24E-03 | 8.09E-14 | 4.05 | 87.7 | 26.9 \pm 0.1 |
| 10 | 650 | 1.928 | 0.035 | 6.78E-04 | 8.56E-14 | 5.53 | 88.0 | 16.1 \pm 0.1 |
| 11 | 700 | 2.547 | 0.045 | 1.04E-03 | 1.14E-13 | 7.51 | 86.7 | 20.9 \pm 0.1 |
| 12 | 700 | 2.133 | 0.027 | 6.01E-04 | 8.68E-14 | 9.01 | 90.1 | 18.2 \pm 0.1 |
| 13 | 750 | 2.353 | 0.025 | 5.02E-04 | 1.68E-13 | 11.9 | 92.3 | 20.6 \pm 0.1 |
| 14 | 750 | 2.417 | 0.017 | 5.11E-04 | 5.83E-14 | 12.9 | 92.3 | 21.2 \pm 0.1 |
| 15 | 800 | 2.542 | 0.020 | 3.70E-04 | 1.09E-13 | 14.8 | 94.4 | 22.7 \pm 0.0 |
| 16 | 800 | 2.669 | 0.014 | 4.33E-04 | 8.08E-14 | 16.2 | 93.9 | 23.7 \pm 0.1 |
| 17 | 850 | 2.829 | 0.015 | 3.70E-04 | 1.30E-13 | 18.5 | 94.9 | 25.4 \pm 0.1 |
| 18 | 875 | 3.031 | 0.012 | 3.74E-04 | 1.24E-13 | 20.6 | 95.2 | 27.3 \pm 0.1 |
| 19 | 900 | 3.250 | 0.011 | 5.43E-04 | 1.19E-13 | 22.7 | 94.0 | 28.9 \pm 0.1 |
| 20 | 925 | 3.462 | 0.009 | 6.55E-04 | 1.12E-13 | 24.6 | 93.4 | 30.5 \pm 0.1 |
| 21 | 950 | 3.534 | 0.009 | 3.53E-04 | 8.82E-14 | 26.2 | 96.1 | 32.1 \pm 0.1 |
| 22 | 975 | 3.757 | 0.009 | 4.78E-04 | 1.26E-13 | 28.4 | 95.4 | 33.8 \pm 0.1 |
| 23 | 1000 | 4.055 | 0.011 | 6.38E-04 | 1.40E-13 | 30.8 | 94.5 | 36.1 \pm 0.1 |
| 24 | 1025 | 4.444 | 0.014 | 7.81E-04 | 1.44E-13 | 33.3 | 94.1 | 39.4 \pm 0.1 |
| 25 | 1050 | 4.799 | 0.018 | 9.44E-04 | 1.04E-13 | 35.1 | 93.5 | 42.2 \pm 0.1 |
| 26 | 1075 | 5.197 | 0.022 | 1.11E-03 | 1.54E-13 | 37.7 | 93.1 | 45.5 \pm 0.1 |
| 27 | 1100 | 5.558 | 0.028 | 1.17E-03 | 1.32E-13 | 40.0 | 93.2 | 48.7 \pm 0.1 |
| 28 | 1100 | 5.778 | 0.029 | 1.24E-03 | 1.93E-13 | 43.4 | 93.1 | 50.5 \pm 0.1 |
| 29 | 1100 | 5.986 | 0.028 | 1.30E-03 | 2.03E-13 | 46.9 | 93.1 | 52.3 \pm 0.1 |
| 30 | 1100 | 6.216 | 0.027 | 1.67E-03 | 2.02E-13 | 50.4 | 91.6 | 53.4 \pm 0.1 |
| 31 | 1100 | 6.420 | 0.028 | 2.03E-03 | 2.63E-13 | 54.9 | 90.2 | 54.3 \pm 0.1 |
| 32 | 1100 | 6.730 | 0.025 | 2.84E-03 | 6.43E-13 | 66.1 | 87.1 | 54.9 \pm 0.1 |
| 33 | 1200 | 6.740 | 0.036 | 1.22E-03 | 1.69E-13 | 69.0 | 94.2 | 59.5 \pm 0.1 |
| 34 | 1250 | 6.064 | 0.007 | 7.33E-04 | 1.20E-12 | 89.8 | 95.9 | 54.5 \pm 0.0 |
| 35 | 1280 | 5.997 | 0.005 | 1.18E-03 | 4.43E-13 | 97.5 | 93.7 | 52.7 \pm 0.0 |
| 36 | 1320 | 7.222 | 0.008 | 5.01E-03 | 5.24E-14 | 98.4 | 79.0 | 53.5 \pm 0.2 |
| 37 | 1400 | 13.40 | 0.014 | 2.56E-02 | 2.42E-14 | 98.9 | 43.2 | 54.4 \pm 0.7 |
| 38 | 1550 | 18.71 | 0.021 | 4.33E-02 | 5.96E-14 | 99.9 | 31.5 | 55.3 \pm 1.0 |
| 39 | 1550 | 232.6 | -0.006 | 7.65E-01 | 6.23E-15 | 100 | 2.82 | 61.5 \pm 27.0 |