|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Run ID | 40Ar/39Ar | 37Ar/39Ar | 36Ar/39Ar | 40Ar\*/39Ar | 40Ar\*(%) | 39Ark(%) | Ag (Ma) | ± 2σ (Ma) |
| Sample number = DY003; mineral = Muscovite; J value = 0.004871 | | | | | |  |  |  |
| Step 1 | 15.908 | 0.857 | 0.022 | 9.338 | 58.66 | 7.71 | 80.25 | 5.12 |
| Step 2 | 16.544 | 0.699 | 0.011 | 13.315 | 80.47 | 10.57 | 113.37 | 3.24 |
| Step 3 | 18.362 | 0.590 | 0.021 | 12.345 | 67.21 | 8.83 | 105.34 | 4.16 |
| Step 4 | 18.039 | 0.197 | 0.012 | 14.563 | 80.72 | 10.61 | 123.64 | 2.8 |
| Step 5 | 17.367 | 0.0534 | 0.005 | 15.777 | 90.84 | 11.93 | 131.57 | 1.69 |
| Step 6 | 15.995 | -0.002 | 0.002 | 15.359 | 96.02 | 12.62 | 130.16 | 0.81 |
| Step 7 | 15.726 | 0.094 | 0.001 | 15.311 | 97.35 | 12.79 | 129.76 | 1.39 |
| Step 8 | 16.106 | 0.136 | 0.003 | 15.314 | 95.2 | 12.51 | 129.92 | 1.94 |
| Step 9 | 16.304 | 0.045 | 0.003 | 15.373 | 94.6 | 12.43 | 130.7 | 1.15 |
| Sample number = ZK11401-a; mineral = Muscovite; J value = 0.00897160 | | | | | | |  |  |
| 16WHA-02 | 9.594 | 0.002 | 0.006 | 7.688 | 575.92 | 0.74 | 120.61 | 0.82 |
| 16WHA-03 | 8.629 | 0.001 | 0.003 | 7.829 | 3473.53 | 4.99 | 122.76 | 0.52 |
| 16WHA-04 | 8.404 | 0.000 | 0.002 | 7.816 | 5264.83 | 7.77 | 122.55 | 0.50 |
| 16WHA-05 | 8.430 | 0.000 | 0.002 | 7.840 | 2598.77 | 3.82 | 122.92 | 0.50 |
| 16WHA-06 | 8.394 | -0.001 | 0.001 | 7.960 | 1907.59 | 2.82 | 124.73 | 0.54 |
| 16WHA-07 | 8.337 | 0.000 | 0.001 | 7.939 | 2231.16 | 3.32 | 124.42 | 0.57 |
| 16WHA-09 | 8.413 | 0.001 | 0.002 | 7.965 | 1763.14 | 2.60 | 124.81 | 0.52 |
| 16WHA-10 | 8.398 | -0.001 | 0.002 | 7.948 | 1542.09 | 2.28 | 124.56 | 0.60 |
| 16WHA-11 | 8.462 | 0.000 | 0.002 | 7.951 | 4511.12 | 6.61 | 124.61 | 0.50 |
| 16WHA-12 | 8.432 | 0.000 | 0.002 | 7.945 | 5241.22 | 7.71 | 124.50 | 0.50 |
| 16WHA-13 | 8.439 | 0.000 | 0.002 | 7.958 | 4254.65 | 6.25 | 124.70 | 0.50 |
| 16WHA-14 | 8.367 | 0.000 | 0.001 | 7.961 | 4489.32 | 6.65 | 124.76 | 0.50 |
| 16WHA-16 | 8.365 | 0.000 | 0.001 | 7.959 | 4517.89 | 6.70 | 124.72 | 0.50 |
| 16WHA-17 | 8.330 | 0.000 | 0.001 | 7.972 | 4232.31 | 6.30 | 124.91 | 0.50 |
| 16WHA-18 | 8.306 | -0.001 | 0.001 | 7.977 | 3453.34 | 5.16 | 124.99 | 0.50 |
| 16WHA-19 | 8.292 | 0.000 | 0.001 | 7.976 | 4587.65 | 6.86 | 124.97 | 0.50 |
| 16WHA-20 | 8.203 | -0.001 | 0.001 | 7.945 | 4238.99 | 6.41 | 124.50 | 0.49 |
| 16WHA-24 | 8.149 | 0.000 | 0.001 | 7.976 | 7495.54 | 11.41 | 124.97 | 0.49 |
| 16WHA-25 | 8.061 | 0.002 | 0.000 | 7.965 | 855.16 | 1.32 | 124.81 | 0.51 |
| 16WHA-26 | 8.106 | 0.000 | 0.001 | 7.953 | 194.02 | 0.30 | 124.63 | 0.94 |

Note: The terms 40Ar\* and 39ArK denote radiogenic 40Ar and nucleogenic 39Ar, respectively.