| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16D10630 | 1.0 % | | 0.3310217 | 0.392 | 16.3190 | 0.961 | 0.0953989 | 25.757 | 2.952300 | 0.749 | 180.9731 | 0.024 | 28.70493 ± 0.50523 | 84.16 ± 1.45 | 46.65 | 5.74 | 0.0775 ± 0.0019 |
| 16D10632 | 1.4 % | | 0.1327145 | 0.570 | 22.0143 | 0.726 | 0.0601072 | 39.966 | 2.766650 | 0.827 | 98.5855 | 0.044 | 22.20030 ± 0.40469 | 65.43 ± 1.17 | 61.97 | 5.37 | 0.0537 ± 0.0012 |
| 16D10633 | 1.8 % | | 0.0618519 | 0.833 | 30.7243 | 0.577 | 0.0198892 | 120.289 | 2.962995 | 0.721 | 71.4983 | 0.059 | 18.90654 ± 0.29514 | 55.87 ± 0.86 | 77.80 | 5.75 | 0.0412 ± 0.0008 |
| 16D10635 | 1.9 % | | 0.0302235 | 1.464 | 26.4066 | 0.662 | 0.0156289 | 157.032 | 2.096115 | 1.039 | 43.9855 | 0.095 | 17.86312 ± 0.39721 | 52.83 ± 1.16 | 84.40 | 4.06 | 0.0338 ± 0.0008 |
| 16D10636 | 2.0 % | | 0.0191808 | 1.962 | 22.5458 | 0.706 | 0.0199826 | 121.668 | 1.467211 | 1.590 | 30.1837 | 0.137 | 18.10246 ± 0.60459 | 53.53 ± 1.76 | 87.08 | 2.84 | 0.0277 ± 0.0010 |
| 16D10637 | 2.1 % | | 0.0175621 | 2.039 | 24.4787 | 0.681 | 0.0173480 | 137.569 | 1.440125 | 1.511 | 28.4205 | 0.147 | 17.66787 ± 0.56362 | 52.26 ± 1.64 | 88.50 | 2.78 | 0.0250 ± 0.0008 |
| 16D10639 | 2.2 % | | 0.0142384 | 2.487 | 24.2171 | 0.685 | 0.0290038 | 80.794 | 1.284379 | 1.796 | 25.0336 | 0.163 | 17.92357 ± 0.67624 | 53.01 ± 1.97 | 90.79 | 2.48 | 0.0225 ± 0.0009 |
| 16D10640 | 2.3 % | ✓ | 0.0093916 | 3.769 | 16.8762 | 0.941 | 0.0117459 | 202.267 | 0.759805 | 3.001 | 15.7438 | 0.262 | 19.09908 ± 1.20253 | 56.43 ± 3.50 | 90.79 | 1.46 | 0.0191 ± 0.0012 |
| 16D10641 | 2.4 % | ✓ | 0.0108307 | 3.320 | 21.3447 | 0.747 | 0.0347293 | 71.610 | 0.904030 | 2.358 | 18.5315 | 0.226 | 19.11871 ± 0.95195 | 56.49 ± 2.77 | 91.78 | 1.74 | 0.0179 ± 0.0009 |
| 16D10643 | 2.5 % | ✓ | 0.0101002 | 3.442 | 21.5993 | 0.785 | 0.0211372 | 113.606 | 0.838815 | 2.584 | 17.1878 | 0.239 | 19.29105 ± 1.04996 | 56.99 ± 3.05 | 92.51 | 1.61 | 0.0164 ± 0.0009 |
| 16D10644 | 2.6 % | ✓ | 0.0118931 | 3.059 | 27.1560 | 0.629 | 0.0421705 | 57.782 | 0.998398 | 2.282 | 20.5310 | 0.201 | 19.54071 ± 0.93895 | 57.71 ± 2.73 | 93.28 | 1.91 | 0.0155 ± 0.0007 |
| 16D10645 | 2.7 % | ✓ | 0.0074044 | 4.529 | 17.6580 | 0.854 | 0.0039715 | 589.716 | 0.592824 | 3.820 | 12.2052 | 0.332 | 19.63267 ± 1.57527 | 57.98 ± 4.58 | 93.44 | 1.13 | 0.0141 ± 0.0011 |
| 16D10647 | 2.8 % | ✓ | 0.0092257 | 3.735 | 24.4085 | 0.713 | 0.0399215 | 59.501 | 0.808509 | 2.780 | 16.3672 | 0.248 | 19.64593 ± 1.14946 | 58.02 ± 3.34 | 95.07 | 1.55 | 0.0140 ± 0.0008 |
| 16D10648 | 2.9 % | ✓ | 0.0093713 | 3.597 | 25.4606 | 0.673 | 0.0232208 | 102.034 | 0.796205 | 2.693 | 16.0217 | 0.258 | 19.58086 ± 1.11364 | 57.83 ± 3.24 | 95.21 | 1.52 | 0.0132 ± 0.0007 |
| 16D10649 | 3.0 % | ✓ | 0.0044564 | 7.301 | 13.1592 | 1.156 | 0.0225341 | 104.942 | 0.371749 | 5.722 | 7.7377 | 0.526 | 20.54707 ± 2.47778 | 60.64 ± 7.19 | 96.36 | 0.71 | 0.0119 ± 0.0014 |
| 16D10651 | 3.2 % | ✓ | 0.0068553 | 5.037 | 19.3527 | 0.815 | 0.0147680 | 165.718 | 0.571652 | 4.060 | 11.3843 | 0.368 | 19.47725 ± 1.66692 | 57.53 ± 4.85 | 95.57 | 1.09 | 0.0124 ± 0.0011 |
| 16D10652 | 3.4 % | ✓ | 0.0064169 | 5.332 | 15.8959 | 0.952 | 0.0112488 | 218.282 | 0.479443 | 4.474 | 9.2515 | 0.440 | 18.35775 ± 1.74417 | 54.27 ± 5.08 | 93.01 | 0.92 | 0.0127 ± 0.0012 |
| 16D10653 | 3.6 % | ✓ | 0.0132895 | 2.700 | 37.2489 | 0.502 | 0.0253377 | 94.404 | 0.986640 | 2.192 | 20.5230 | 0.202 | 20.30619 ± 0.94449 | 59.94 ± 2.74 | 95.13 | 1.88 | 0.0111 ± 0.0005 |
| 16D10655 | 3.8 % | ✓ | 0.0090521 | 3.657 | 26.2496 | 0.647 | 0.0217001 | 107.441 | 0.684505 | 3.202 | 13.5906 | 0.296 | 19.46578 ± 1.31914 | 57.49 ± 3.83 | 95.50 | 1.30 | 0.0109 ± 0.0007 |
| 16D10656 | 4.0 % | ✓ | 0.0093493 | 3.706 | 27.8288 | 0.614 | 0.0096138 | 250.900 | 0.672667 | 3.492 | 13.7890 | 0.304 | 20.20848 ± 1.49166 | 59.65 ± 4.33 | 95.83 | 1.28 | 0.0101 ± 0.0007 |
| 16D10657 | 4.3 % | ✓ | 0.0121351 | 2.931 | 36.1507 | 0.530 | 0.0115230 | 202.831 | 0.874918 | 2.498 | 17.5974 | 0.234 | 19.81546 ± 1.05316 | 58.51 ± 3.06 | 95.77 | 1.66 | 0.0101 ± 0.0005 |
| 16D10659 | 4.6 % | ✓ | 0.0231031 | 1.672 | 72.9989 | 0.384 | 0.0169903 | 145.090 | 1.651564 | 1.405 | 33.3835 | 0.126 | 20.15598 ± 0.60412 | 59.50 ± 1.75 | 96.74 | 3.13 | 0.0094 ± 0.0003 |
| 16D10660 | 4.9 % | ✓ | 0.0156024 | 2.393 | 49.9506 | 0.448 | 0.0121819 | 197.084 | 1.066412 | 2.194 | 21.2513 | 0.191 | 19.91700 ± 0.93185 | 58.81 ± 2.71 | 96.78 | 2.02 | 0.0089 ± 0.0004 |
| 16D10661 | 5.2 % | ✓ | 0.0226403 | 1.636 | 70.2503 | 0.388 | 0.0410262 | 59.682 | 1.512487 | 1.439 | 29.3762 | 0.140 | 19.25512 ± 0.59495 | 56.88 ± 1.73 | 96.03 | 2.86 | 0.0090 ± 0.0003 |
| 16D10663 | 5.5 % | ✓ | 0.0184525 | 2.010 | 60.3254 | 0.408 | 0.0088690 | 263.464 | 1.280313 | 1.724 | 24.3227 | 0.169 | 19.04903 ± 0.70534 | 56.28 ± 2.05 | 97.08 | 2.42 | 0.0088 ± 0.0003 |
| 16D10664 | 5.8 % | ✓ | 0.0207842 | 1.874 | 64.4267 | 0.395 | 0.0135671 | 179.601 | 1.371427 | 1.536 | 25.9746 | 0.158 | 18.74964 ± 0.62382 | 55.41 ± 1.82 | 95.85 | 2.59 | 0.0089 ± 0.0003 |
| 16D10665 | 6.2 % | ✓ | 0.0139638 | 2.509 | 46.0617 | 0.469 | 0.0153170 | 162.879 | 0.958647 | 2.329 | 18.3688 | 0.224 | 19.25939 ± 0.95896 | 56.89 ± 2.79 | 97.25 | 1.81 | 0.0087 ± 0.0004 |
| 16D10667 | 6.6 % | ✓ | 0.0164640 | 2.190 | 52.0379 | 0.428 | 0.0136408 | 174.648 | 1.078756 | 2.097 | 20.6526 | 0.198 | 19.04803 ± 0.85503 | 56.28 ± 2.49 | 96.25 | 2.04 | 0.0086 ± 0.0004 |
| 16D10668 | 7.0 % | | 0.0271777 | 1.489 | 80.3776 | 0.373 | 0.0586372 | 42.152 | 1.898616 | 1.094 | 31.6576 | 0.130 | 16.23686 ± 0.39178 | 48.08 ± 1.14 | 94.59 | 3.60 | 0.0099 ± 0.0002 |
| 16D10669 | 7.6 % | | 0.0322449 | 1.301 | 88.9849 | 0.364 | 0.0499493 | 47.962 | 2.200446 | 1.042 | 34.4529 | 0.120 | 14.91335 ± 0.34317 | 44.21 ± 1.01 | 92.65 | 4.18 | 0.0103 ± 0.0002 |
| 16D10671 | 8.3 % | | 0.0137891 | 2.723 | 39.7179 | 0.490 | 0.0248240 | 94.125 | 0.902920 | 2.429 | 16.4427 | 0.245 | 17.68100 ± 0.92625 | 52.30 ± 2.70 | 94.21 | 1.71 | 0.0095 ± 0.0005 |
| 16D10672 | 9.0 % | | 0.0377964 | 1.234 | 90.9274 | 0.362 | 0.0404838 | 58.311 | 2.304536 | 0.916 | 30.7293 | 0.132 | 11.90639 ± 0.25945 | 35.38 ± 0.76 | 86.91 | 4.38 | 0.0106 ± 0.0002 |
| 16D10673 | 9.8 % | | 0.0471050 | 1.059 | 113.4478 | 0.348 | 0.0537734 | 45.364 | 2.653114 | 0.838 | 35.4966 | 0.120 | 11.83600 ± 0.23818 | 35.18 ± 0.70 | 85.91 | 5.03 | 0.0098 ± 0.0002 |
| 16D10675 | 11.0 % | | 0.0542783 | 0.936 | 124.7620 | 0.344 | 0.0627205 | 37.748 | 2.454377 | 0.880 | 32.5227 | 0.129 | 11.09368 ± 0.24349 | 32.99 ± 0.72 | 80.85 | 4.63 | 0.0082 ± 0.0002 |
| 16D10676 | 13.0 % | | 0.1163914 | 0.604 | 286.5581 | 0.327 | 0.0984947 | 25.210 | 3.009204 | 0.807 | 42.8004 | 0.096 | 10.99132 ± 0.24964 | 32.69 ± 0.74 | 72.31 | 5.50 | 0.0042 ± 0.0001 |
| 16D10677 | 15.5 % | | 0.1064407 | 0.634 | 284.3780 | 0.327 | 0.0060318 | 391.508 | 1.656956 | 1.414 | 26.4632 | 0.161 | 11.86656 ± 0.48530 | 35.27 ± 1.43 | 65.69 | 2.86 | 0.0022 ± 0.0001 |
| 16D10679 | 18.5 % | | 0.0634318 | 0.772 | 180.0384 | 0.333 | 0.0148699 | 162.072 | 0.778910 | 2.754 | 12.3321 | 0.325 | 11.79569 ± 0.91109 | 35.06 ± 2.68 | 62.87 | 1.28 | 0.0016 ± 0.0001 |
| 16D10680 | 21.5 % | | 0.0437680 | 1.016 | 126.0241 | 0.342 | 0.0046310 | 508.589 | 0.388171 | 5.703 | 7.0669 | 0.567 | 13.36272 ± 2.16881 | 39.66 ± 6.37 | 57.30 | 0.59 | 0.0010 ± 0.0002 |
| 16D10682 | 24.5 % | | 0.0374655 | 1.141 | 108.7423 | 0.352 | 0.0252309 | 94.528 | 0.374497 | 6.012 | 6.4424 | 0.635 | 13.04794 ± 2.15451 | 38.74 ± 6.33 | 60.97 | 0.59 | 0.0012 ± 0.0002 |
| | | Σ | 1.4474634 | 0.202 | 2437.1050 | 0.083 | 1.0157104 | 14.779 | 52.851290 | 0.263 | 1138.8782 | 0.023 | | | | | |

## Information on Analysis and Constants Used in Calculations

Project = **MV1203 (13-INT-04)**
Sample = **MV1203-D14-06**
Material = **Groundmass**
Location = **Bottlenose Seamount**
Region = **Walvis Ridge**
Analyst = **Susan Schnur**
Irradiation = **15-OSU-07 (7A23-15)**
Position = **X: 0 | Y: 0 | Z/H: 40.16 mm**
FCT-NM Age = **28.201 ± 0.023 Ma**
FCT-NM Reference = **Kuiper et al (2008)**
FCT-NM 40Ar/39Ar Ratio = **9.47061 ± 0.01421**
FCT-NM J-value = **0.00165960 ± 0.00000249**
Air Shot 40Ar/36Ar = **304.7150 ± 0.4266**
Air Shot MDF = **0.99242989 ± 0.00066821 (LIN)**
Experiment Type = **Incremental Heating**
Extraction Method = **Bulk Laser Heating**
Heating = **77 sec**
Isolation = **3.00 min**
Instrument = **ARGUS-VI-D**
Preferred Age = **Plateau Age**
Age Classification = **Eruption Age**
IGSN = **IESS10077**
Rock Class = **Igneous>Volcanic>Mafic**
Lithology = **Basalt**
Lat-Lon = **30°48.4'S - 1°16.2'W**

Age Equations = **Min et al. (2000)**
Negative Intensities = **Allowed**
Collector Calibrations = **36Ar**
Decay 40K = **5.530 ± 0.048 E-10 1/a**
Decay 39Ar = **2.940 ± 0.016 E-07 1/h**
Decay 37Ar = **8.230 ± 0.012 E-04 1/h**
Decay 36Cl = **2.257 ± 0.015 E-06 1/a**
Decay 40K(EC,β⁺) = **0.580 ± 0.009 E-10 1/a**
Decay 40K(β⁻) = **4.950 ± 0.043 E-10 1/a**
Atmospheric 40/36(a) = **295.50**
Atmospheric 38/36(a) = **0.1869**
Production 39/37(ca) = **0.0006756 ± 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** | | 19.43744 ± 0.21948 (± 1.13%) | **57.41 ± 0.66 (± 1.15%)** | 1.13 (31%) | 36.63 (21) | 0.0099 ± 0.0009 |
| | | Full External Error ± 1.45 | | 1.63 | 2σ Confidence Limit | |
| | | Analytical Error ± 0.64 | | 1.0629 | Error Magnification | |
| **Total Fusion Age** | | 17.63018 ± 0.10223 (± 0.58%) | **52.15 ± 0.34 (± 0.64%)** | | 39 | 0.0090 ± 0.0001 |
| | | Full External Error ± 1.22 | | | | |
| | | Analytical Error ± 0.30 | | | | |
| **Normal Isochron** | **263.94 ± 183.01 (± 69.34%)** | 19.51859 ± 0.61649 (± 3.16%) | **57.65 ± 1.80 (± 3.12%)** | 1.13 (31%) | 36.63 (21) | |
| | | Full External Error ± 2.22 | | 1.65 | 2σ Confidence Limit | |
| | | Analytical Error ± 1.79 | | 1.0624 | Error Magnification | |
| | | | | 97 | Number of Iterations | |
| | | | | 0.0001924519 | Convergence | |
| **Inverse Isochron** | **245.20 ± 96.99 (± 39.56%)** | 19.62967 ± 0.62891 (± 3.20%) | **57.97 ± 1.84 (± 3.17%)** | 1.19 (26%) | 36.63 (21) | |
| | | Full External Error ± 2.25 | | 1.65 | 2σ Confidence Limit | |
| | | Analytical Error ± 1.83 | | 1.0891 | Error Magnification | |
| **Notes** | | | | 6 | Number of Iterations | |
| Low and high T steps are variable, but mid-T yields a small but acceptable plateau. | | | | 0.0001062845 | Convergence | |
| | | | | 8% | Spreading Factor | |

| Incremental Heating | | | 36Ar(a) [fA] | 37Ar(ca) [fA] | 38Ar(cl) [fA] | 39Ar(k) [fA] | 40Ar(r) [fA] | Age ± 2σ (Ma) | 40Ar(r) (%) | 39Ar(k) (%) | K/Ca ± 2σ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 16D10630 | 1.0 % | | 0.3266759 | 16.3190 | 0.0000000 | 2.941275 | 84.42910 | 84.16 ± 1.45 | 46.65 | 5.74 | 0.0775 ± 0.0019 |
| 16D10632 | 1.4 % | | 0.1268518 | 22.0143 | 0.0017114 | 2.751777 | 61.09028 | 65.43 ± 1.17 | 61.97 | 5.37 | 0.0537 ± 0.0012 |
| 16D10633 | 1.8 % | | 0.0536700 | 30.7243 | 0.0000000 | 2.942237 | 55.62752 | 55.87 ± 0.86 | 77.80 | 5.75 | 0.0412 ± 0.0008 |
| 16D10635 | 1.9 % | | 0.0231914 | 26.4066 | 0.0000000 | 2.078275 | 37.12448 | 52.83 ± 1.16 | 84.40 | 4.06 | 0.0338 ± 0.0008 |
| 16D10636 | 2.0 % | | 0.0131768 | 22.5458 | 0.0000000 | 1.451979 | 26.28440 | 53.53 ± 1.76 | 87.08 | 2.84 | 0.0277 ± 0.0010 |
| 16D10637 | 2.1 % | | 0.0110434 | 24.4787 | 0.0000000 | 1.423587 | 25.15175 | 52.26 ± 1.64 | 88.50 | 2.78 | 0.0250 ± 0.0008 |
| 16D10639 | 2.2 % | | 0.0077878 | 24.2171 | 0.0105540 | 1.268018 | 22.72741 | 53.01 ± 1.97 | 90.79 | 2.48 | 0.0225 ± 0.0009 |
| 16D10640 | 2.3 % | ✓ | 0.0048974 | 16.8762 | 0.0006148 | 0.748403 | 14.29381 | 56.43 ± 3.50 | 90.79 | 1.46 | 0.0191 ± 0.0012 |
| 16D10641 | 2.4 % | ✓ | 0.0051436 | 21.3447 | 0.0215325 | 0.889610 | 17.00819 | 56.49 ± 2.77 | 91.78 | 1.74 | 0.0179 ± 0.0009 |
| 16D10643 | 2.5 % | ✓ | 0.0043471 | 21.5993 | 0.0088577 | 0.824222 | 15.90012 | 56.99 ± 3.05 | 92.51 | 1.61 | 0.0164 ± 0.0009 |
| 16D10644 | 2.6 % | ✓ | 0.0046576 | 27.1560 | 0.0275592 | 0.980051 | 19.15090 | 57.71 ± 2.73 | 93.28 | 1.91 | 0.0155 ± 0.0007 |
| 16D10645 | 2.7 % | ✓ | 0.0027021 | 17.6580 | 0.0000000 | 0.580894 | 11.40451 | 57.98 ± 4.58 | 93.44 | 1.13 | 0.0141 ± 0.0011 |
| 16D10647 | 2.8 % | ✓ | 0.0027217 | 24.4085 | 0.0281315 | 0.792019 | 15.55995 | 58.02 ± 3.34 | 95.07 | 1.55 | 0.0140 ± 0.0008 |
| 16D10648 | 2.9 % | ✓ | 0.0025895 | 25.4606 | 0.0115365 | 0.779004 | 15.25357 | 57.83 ± 3.24 | 95.21 | 1.52 | 0.0132 ± 0.0007 |
| 16D10649 | 3.0 % | ✓ | 0.0009496 | 13.1592 | 0.0170462 | 0.362859 | 7.45569 | 60.64 ± 7.19 | 96.36 | 0.71 | 0.0119 ± 0.0014 |
| 16D10651 | 3.2 % | ✓ | 0.0017008 | 19.3527 | 0.0063403 | 0.558577 | 10.87955 | 57.53 ± 4.85 | 95.57 | 1.09 | 0.0124 ± 0.0011 |
| 16D10652 | 3.4 % | ✓ | 0.0021838 | 15.8959 | 0.0000000 | 0.468704 | 8.60435 | 54.27 ± 5.08 | 93.01 | 0.92 | 0.0127 ± 0.0012 |
| 16D10653 | 3.6 % | ✓ | 0.0033686 | 37.2489 | 0.0104662 | 0.961474 | 19.52388 | 59.94 ± 2.74 | 95.13 | 1.88 | 0.0111 ± 0.0005 |
| 16D10655 | 3.8 % | ✓ | 0.0020602 | 26.2496 | 0.0114084 | 0.666771 | 12.97922 | 57.49 ± 3.83 | 95.50 | 1.30 | 0.0109 ± 0.0007 |
| 16D10656 | 4.0 % | ✓ | 0.0019385 | 27.8288 | 0.0000000 | 0.653866 | 13.21365 | 59.65 ± 4.33 | 95.83 | 1.28 | 0.0101 ± 0.0007 |
| 16D10657 | 4.3 % | ✓ | 0.0025082 | 36.1507 | 0.0000000 | 0.850495 | 16.85294 | 58.51 ± 3.06 | 95.77 | 1.66 | 0.0101 ± 0.0005 |
| 16D10659 | 4.6 % | ✓ | 0.0036635 | 72.9989 | 0.0000000 | 1.602246 | 32.29483 | 59.50 ± 1.75 | 96.74 | 3.13 | 0.0094 ± 0.0003 |
| 16D10660 | 4.9 % | ✓ | 0.0023005 | 49.9506 | 0.0000000 | 1.032665 | 20.56759 | 58.81 ± 2.71 | 96.78 | 2.02 | 0.0089 ± 0.0004 |
| 16D10661 | 5.2 % | ✓ | 0.0039302 | 70.2503 | 0.0176219 | 1.465025 | 28.20924 | 56.88 ± 1.73 | 96.03 | 2.86 | 0.0090 ± 0.0003 |
| 16D10663 | 5.5 % | ✓ | 0.0023878 | 60.3254 | 0.0000000 | 1.239557 | 23.61236 | 56.28 ± 2.05 | 97.08 | 2.42 | 0.0088 ± 0.0003 |
| 16D10664 | 5.8 % | ✓ | 0.0036274 | 64.4267 | 0.0000000 | 1.327900 | 24.89765 | 55.41 ± 1.82 | 95.85 | 2.59 | 0.0089 ± 0.0003 |
| 16D10665 | 6.2 % | ✓ | 0.0016975 | 46.0617 | 0.0005334 | 0.927527 | 17.86361 | 56.89 ± 2.79 | 97.25 | 1.81 | 0.0087 ± 0.0004 |
| 16D10667 | 6.6 % | ✓ | 0.0026063 | 52.0379 | 0.0000000 | 1.043599 | 19.87850 | 56.28 ± 2.49 | 96.25 | 2.04 | 0.0086 ± 0.0004 |
| 16D10668 | 7.0 % | | 0.0057690 | 80.3776 | 0.0295990 | 1.844313 | 29.94586 | 48.08 ± 1.14 | 94.59 | 3.60 | 0.0099 ± 0.0002 |
| 16D10669 | 7.6 % | | 0.0085459 | 88.9849 | 0.0162127 | 2.140328 | 31.91945 | 44.21 ± 1.01 | 92.65 | 4.18 | 0.0103 ± 0.0002 |
| 16D10671 | 8.3 % | | 0.0032122 | 39.7179 | 0.0000000 | 0.876087 | 15.49009 | 52.30 ± 2.70 | 94.21 | 1.71 | 0.0095 ± 0.0005 |
| 16D10672 | 9.0 % | | 0.0135818 | 90.9274 | 0.0044300 | 2.243105 | 26.70728 | 35.38 ± 0.76 | 86.91 | 4.38 | 0.0106 ± 0.0002 |
| 16D10673 | 9.8 % | | 0.0168922 | 113.4478 | 0.0114732 | 2.576469 | 30.49509 | 35.18 ± 0.70 | 85.91 | 5.03 | 0.0098 ± 0.0002 |
| 16D10675 | 11.0 % | | 0.0210511 | 124.7620 | 0.0213136 | 2.370088 | 26.29300 | 32.99 ± 0.72 | 80.85 | 4.63 | 0.0082 ± 0.0002 |
| 16D10676 | 13.0 % | | 0.0400758 | 286.5581 | 0.0365551 | 2.815605 | 30.94723 | 32.69 ± 0.74 | 72.31 | 5.50 | 0.0042 ± 0.0001 |
| 16D10677 | 15.5 % | | 0.0307109 | 284.3780 | 0.0000000 | 1.464830 | 17.38250 | 35.27 ± 1.43 | 65.69 | 2.86 | 0.0022 ± 0.0001 |
| 16D10679 | 18.5 % | | 0.0154875 | 180.0384 | 0.0000000 | 0.657276 | 7.75302 | 35.06 ± 2.68 | 62.87 | 1.28 | 0.0016 ± 0.0001 |
| 16D10680 | 21.5 % | | 0.0102078 | 126.0241 | 0.0000000 | 0.303029 | 4.04930 | 39.66 ± 6.37 | 57.30 | 0.59 | 0.0010 ± 0.0002 |
| 16D10682 | 24.5 % | | 0.0085057 | 108.7423 | 0.0122118 | 0.301031 | 3.92784 | 38.74 ± 6.33 | 60.97 | 0.59 | 0.0012 ± 0.0002 |
| | | Σ | 0.7984188 | 2437.1050 | 0.3057093 | 51.204782 | 902.74970 | | | | |

**Information on Analysis**

Project = **MV1203 (13-INT-04)**
Sample = **MV1203-D14-06**
Material = **Groundmass**
Location = **Bottlenose Seamount**
Region = **Walvis Ridge**
Analyst = **Susan Schnur**
Irradiation = **15-OSU-07 (7A23-15)**
J = **0.00165960 ± 0.00000249**
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** | 19.43744 ± 0.21948 | **57.41 ± 0.66** | 1.13 | 36.63 | 0.0099 ± 0.0009 |
| | ± 1.13% | **± 1.15%** | 31% | 21 | |
| | Full External Error | ± 1.45 | 1.63 | 2σ Confidence Limit | |
| | Analytical Error | ± 0.64 | 1.0629 | Error Magnification | |
| **Total Fusion Age** | 17.63018 ± 0.10223 | **52.15 ± 0.34** | | 39 | 0.0090 ± 0.0001 |
| | ± 0.58% | **± 0.64%** | | | |
| | Full External Error | ± 1.22 | | | |
| | Analytical Error | ± 0.30 | | | |

| Normal Isochron | | | 39(k)/36(a) ± 2σ | 40(a+r)/36(a) ± 2σ | r.i. |
|---|---|---|---|---|---|
| 16D10630 | 1.0 % | | 9.00 ± 0.15 | 553.95 ± 4.41 | 0.4659 |
| 16D10632 | 1.4 % | | 21.69 ± 0.44 | 777.09 ± 9.31 | 0.5821 |
| 16D10633 | 1.8 % | | 54.82 ± 1.32 | 1331.97 ± 25.75 | 0.7974 |
| 16D10635 | 1.9 % | | 89.61 ± 3.92 | 1896.29 ± 72.88 | 0.8766 |
| 16D10636 | 2.0 % | | 110.19 ± 7.26 | 2290.25 ± 131.84 | 0.8719 |
| 16D10637 | 2.1 % | | 128.91 ± 9.30 | 2573.04 ± 168.41 | 0.9049 |
| 16D10639 | 2.2 % | | 162.82 ± 16.06 | 3213.82 ± 294.78 | 0.9288 |
| 16D10640 | 2.3 % | ✓ | 152.82 ± 24.12 | 3214.16 ± 468.33 | 0.9219 |
| 16D10641 | 2.4 % | ✓ | 172.96 ± 25.73 | 3602.18 ± 507.57 | 0.9462 |
| 16D10643 | 2.5 % | ✓ | 189.60 ± 32.17 | 3953.18 ± 638.06 | 0.9503 |
| 16D10644 | 2.6 % | ✓ | 210.42 ± 34.56 | 4407.29 ± 694.40 | 0.9588 |
| 16D10645 | 2.7 % | ✓ | 214.98 ± 56.30 | 4516.11 ± 1129.56 | 0.9543 |
| 16D10647 | 2.8 % | ✓ | 291.00 ± 76.20 | 6012.48 ± 1537.26 | 0.9760 |
| 16D10648 | 2.9 % | ✓ | 300.83 ± 80.78 | 6186.00 ± 1626.15 | 0.9786 |
| 16D10649 | 3.0 % | ✓ | 382.10 ± 267.66 | 8146.57 ± 5626.81 | 0.9858 |
| 16D10651 | 3.2 % | ✓ | 328.43 ± 137.14 | 6692.39 ± 2738.97 | 0.9798 |
| 16D10652 | 3.4 % | ✓ | 214.63 ± 70.52 | 4235.57 ± 1337.17 | 0.9600 |
| 16D10653 | 3.6 % | ✓ | 285.42 ± 62.77 | 6091.31 ± 1311.41 | 0.9787 |
| 16D10655 | 3.8 % | ✓ | 323.64 ± 107.16 | 6595.43 ± 2140.58 | 0.9799 |
| 16D10656 | 4.0 % | ✓ | 337.30 ± 124.06 | 7111.84 ± 2565.76 | 0.9806 |
| 16D10657 | 4.3 % | ✓ | 339.09 ± 98.78 | 7014.71 ± 2011.65 | 0.9842 |
| 16D10659 | 4.6 % | ✓ | 437.35 ± 95.06 | 9110.82 ± 1962.68 | 0.9910 |
| 16D10660 | 4.9 % | ✓ | 448.88 ± 149.17 | 9235.91 ± 3040.77 | 0.9906 |
| 16D10661 | 5.2 % | ✓ | 372.76 ± 72.64 | 7473.10 ± 1439.47 | 0.9882 |
| 16D10663 | 5.5 % | ✓ | 519.12 ± 165.13 | 10184.31 ± 3219.33 | 0.9936 |
| 16D10664 | 5.8 % | ✓ | 366.08 ± 80.81 | 7159.29 ± 1564.19 | 0.9895 |
| 16D10665 | 6.2 % | ✓ | 546.42 ± 230.43 | 10819.18 ± 4532.98 | 0.9934 |
| 16D10667 | 6.6 % | ✓ | 400.42 ± 113.78 | 7922.69 ± 2225.18 | 0.9882 |
| 16D10668 | 7.0 % | | 319.70 ± 46.43 | 5486.37 ± 787.30 | 0.9877 |
| 16D10669 | 7.6 % | | 250.45 ± 25.75 | 4030.57 ± 405.40 | 0.9777 |
| 16D10671 | 8.3 % | | 272.73 ± 65.85 | 5117.70 ± 1209.11 | 0.9780 |
| 16D10672 | 9.0 % | | 165.15 ± 11.99 | 2261.90 ± 158.64 | 0.9651 |
| 16D10673 | 9.8 % | | 152.52 ± 9.61 | 2100.78 ± 127.44 | 0.9609 |
| 16D10675 | 11.0 % | | 112.59 ± 5.96 | 1544.51 ± 76.84 | 0.9373 |
| 16D10676 | 13.0 % | | 70.26 ± 2.91 | 1067.72 ± 40.27 | 0.9071 |
| 16D10677 | 15.5 % | | 47.70 ± 2.73 | 861.50 ± 40.93 | 0.8254 |
| 16D10679 | 18.5 % | | 42.44 ± 3.98 | 796.10 ± 53.72 | 0.7128 |
| 16D10680 | 21.5 % | | 29.69 ± 5.11 | 692.19 ± 63.12 | 0.5219 |
| 16D10682 | 24.5 % | | 35.39 ± 6.45 | 757.29 ± 79.20 | 0.5656 |

| Results | 40(a)/36(a) ± 2σ | 40(r)/39(k) ± 2σ | Age ± 2σ (Ma) | MSWD |
|---|---|---|---|---|
| Normal Isochron | **263.94 ± 183.01 ± 69.34%** | 19.51859 ± 0.61649 ± 3.16% | **57.65 ± 1.80 ± 3.12%** | 1.13 31% |
| | | | Full External Error ± 2.22 | |
| | | | Analytical Error ± 1.79 | |

| Statistics | | | | |
|---|---|---|---|---|
| | 2σ Confidence Limit | 1.65 | Convergence | 0.000192451901 |
| | Error Magnification | 1.0624 | Number of Iterations | 97 |
| | Number of Data Points | 21 | Calculated Line | Weighted York-2 |

| Inverse Isochron | | | 39(k)/40(a+r) ± 2σ | 36(a)/40(a+r) ± 2σ | r.i. |
|---|---|---|---|---|---|
| 16D10630 | 1.0 % | | 0.0162536 ± 0.0002446 | 0.00180522 ± 0.00001436 | 0.0020 |
| 16D10632 | 1.4 % | | 0.0279156 ± 0.0004648 | 0.00128686 ± 0.00001542 | 0.0039 |
| 16D10633 | 1.8 % | | 0.0411576 ± 0.0006000 | 0.00075077 ± 0.00001451 | 0.0050 |
| 16D10635 | 1.9 % | | 0.0472577 ± 0.0009944 | 0.00052735 ± 0.00002027 | 0.0045 |
| 16D10636 | 2.0 % | | 0.0481136 ± 0.0015520 | 0.00043663 ± 0.00002513 | 0.0041 |
| 16D10637 | 2.1 % | | 0.0500997 ± 0.0015387 | 0.00038865 ± 0.00002544 | 0.0043 |
| 16D10639 | 2.2 % | | 0.0506625 ± 0.0018512 | 0.00031116 ± 0.00002854 | 0.0032 |
| 16D10640 | 2.3 % | ✓ | 0.0475449 ± 0.0029081 | 0.00031112 ± 0.00004533 | 0.0031 |
| 16D10641 | 2.4 % | ✓ | 0.0480140 ± 0.0023112 | 0.00027761 ± 0.00003912 | 0.0030 |
| 16D10643 | 2.5 % | ✓ | 0.0479626 ± 0.0025328 | 0.00025296 ± 0.00004083 | 0.0027 |
| 16D10644 | 2.6 % | ✓ | 0.0477440 ± 0.0022283 | 0.00022690 ± 0.00003575 | 0.0022 |
| 16D10645 | 2.7 % | ✓ | 0.0476027 ± 0.0037255 | 0.00022143 ± 0.00005538 | 0.0023 |
| 16D10647 | 2.8 % | ✓ | 0.0483995 ± 0.0027575 | 0.00016632 ± 0.00004252 | 0.0017 |
| 16D10648 | 2.9 % | ✓ | 0.0486307 ± 0.0026893 | 0.00016166 ± 0.00004250 | 0.0018 |
| 16D10649 | 3.0 % | ✓ | 0.0469034 ± 0.0055215 | 0.00012275 ± 0.00008478 | 0.0014 |
| 16D10651 | 3.2 % | ✓ | 0.0490750 ± 0.0040947 | 0.00014942 ± 0.00006115 | 0.0016 |
| 16D10652 | 3.4 % | ✓ | 0.0506725 ± 0.0046593 | 0.00023610 ± 0.00007454 | 0.0027 |
| 16D10653 | 3.6 % | ✓ | 0.0468571 ± 0.0021170 | 0.00016417 ± 0.00003534 | 0.0017 |
| 16D10655 | 3.8 % | ✓ | 0.0490705 ± 0.0032392 | 0.00015162 ± 0.00004921 | 0.0016 |
| 16D10656 | 4.0 % | ✓ | 0.0474281 ± 0.0034203 | 0.00014061 ± 0.00005073 | 0.0014 |
| 16D10657 | 4.3 % | ✓ | 0.0483397 ± 0.0024949 | 0.00014256 ± 0.00004088 | 0.0015 |
| 16D10659 | 4.6 % | ✓ | 0.0480039 ± 0.0013960 | 0.00010976 ± 0.00002364 | 0.0010 |
| 16D10660 | 4.9 % | ✓ | 0.0486020 ± 0.0022110 | 0.00010827 ± 0.00003565 | 0.0010 |
| 16D10661 | 5.2 % | ✓ | 0.0498807 ± 0.0014891 | 0.00013381 ± 0.00002578 | 0.0014 |
| 16D10663 | 5.5 % | ✓ | 0.0509729 ± 0.0018245 | 0.00009819 ± 0.00003104 | 0.0010 |
| 16D10664 | 5.8 % | ✓ | 0.0511330 ± 0.0016312 | 0.00013968 ± 0.00003052 | 0.0014 |
| 16D10665 | 6.2 % | ✓ | 0.0505046 ± 0.0024429 | 0.00009243 ± 0.00003873 | 0.0010 |
| 16D10667 | 6.6 % | ✓ | 0.0505408 ± 0.0022003 | 0.00012622 ± 0.00003545 | 0.0013 |
| 16D10668 | 7.0 % | | 0.0582711 ± 0.0013220 | 0.00018227 ± 0.00002616 | 0.0021 |
| 16D10669 | 7.6 % | | 0.0621380 ± 0.0013403 | 0.00024810 ± 0.00002495 | 0.0027 |
| 16D10671 | 8.3 % | | 0.0532922 ± 0.0026815 | 0.00019540 ± 0.00004617 | 0.0020 |
| 16D10672 | 9.0 % | | 0.0730161 ± 0.0013885 | 0.00044211 ± 0.00003101 | 0.0053 |
| 16D10673 | 9.8 % | | 0.0726037 ± 0.0012669 | 0.00047601 ± 0.00002888 | 0.0054 |
| 16D10675 | 11.0 % | | 0.0728953 ± 0.0013443 | 0.00064746 ± 0.00003221 | 0.0072 |
| 16D10676 | 13.0 % | | 0.0658011 ± 0.0011487 | 0.00093658 ± 0.00003532 | 0.0056 |
| 16D10677 | 15.5 % | | 0.0553653 ± 0.0017910 | 0.00116076 ± 0.00005515 | 0.0067 |
| 16D10679 | 18.5 % | | 0.0533088 ± 0.0035075 | 0.00125613 ± 0.00008477 | 0.0095 |
| 16D10680 | 21.5 % | | 0.0428874 ± 0.0062938 | 0.00144469 ± 0.00013175 | 0.0096 |
| 16D10682 | 24.5 % | | 0.0467348 ± 0.0070227 | 0.00132050 ± 0.00013811 | 0.0103 |

| Results | 40(a)/36(a) ± 2σ | 40(r)/39(k) ± 2σ | Age ± 2σ (Ma) | MSWD |
|---|---|---|---|---|
| Inverse Isochron | **245.20 ± 96.99 ± 39.56%** | 19.62967 ± 0.62891 ± 3.20% | **57.97 ± 1.84 ± 3.17%** | 1.19 26% |
| | | | Full External Error ± 2.25 | |
| | | | Analytical Error ± 1.83 | |

| Statistics | | | | |
|---|---|---|---|---|
| | 2σ Confidence Limit | 1.65 | Convergence | 0.0001062845 |
| | Error Magnification | 1.0891 | Number of Iterations | 6 |
| | Number of Data Points | 21 | Calculated Line | Weighted York-2 |
| | Spreading Factor | 8.4% | | |

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16D10630 | 1.0 % | | 0.3266759 | 0.40 | 0.0000000 | 0.00 | 0.0043458 | 0.97 | 0.0000000 | 0.00 | 16.3190 | 0.96 | 0.0610557 | 0.40 | 0.0000000 | 0.00 | 0.0353865 | 0.77 | 0.0011717 | 12.86 | 0.0000000 | 0.00 | 2.941275 | 0.75 | 0.0110251 | 1.63 | 84.42910 | 0.46 | 96.53273 | 0.40 | 0.0000000 | 0.00 | 0.0112445 | 2.76 |
| 16D10632 | 1.4 % | | 0.1268518 | 0.60 | 0.0000000 | 0.00 | 0.0058624 | 0.74 | 0.0000002 | ###### | 22.0143 | 0.73 | 0.0237086 | 0.60 | 0.0000000 | 0.00 | 0.0331066 | 0.85 | 0.0015806 | 12.84 | 0.0017114 | ###### | 2.751777 | 0.83 | 0.0148729 | 1.51 | 61.09028 | 0.37 | 37.48471 | 0.60 | 0.0000000 | 0.00 | 0.0105200 | 2.79 |
| 16D10633 | 1.8 % | | 0.0536700 | 0.96 | 0.0000000 | 0.00 | 0.0081819 | 0.60 | 0.0000000 | 0.00 | 30.7243 | 0.58 | 0.0100309 | 0.96 | 0.0000000 | 0.00 | 0.0353981 | 0.74 | 0.0022060 | 12.83 | 0.0000000 | 0.00 | 2.942237 | 0.73 | 0.0207574 | 1.44 | 55.62752 | 0.29 | 15.85949 | 0.96 | 0.0000000 | 0.00 | 0.0112482 | 2.76 |
| 16D10635 | 1.9 % | | 0.0231914 | 1.92 | 0.0000000 | 0.00 | 0.0070321 | 0.68 | 0.0000000 | 0.00 | 26.4066 | 0.66 | 0.0043345 | 1.92 | 0.0000000 | 0.00 | 0.0250037 | 1.06 | 0.0018960 | 12.84 | 0.0000000 | 0.00 | 2.078275 | 1.05 | 0.0178403 | 1.48 | 37.12448 | 0.37 | 6.85305 | 1.92 | 0.0000000 | 0.00 | 0.0079452 | 2.86 |
| 16D10636 | 2.0 % | | 0.0131768 | 2.87 | 0.0000000 | 0.00 | 0.0060040 | 0.72 | 0.0000000 | 0.00 | 22.5458 | 0.71 | 0.0024627 | 2.87 | 0.0000000 | 0.00 | 0.0174688 | 1.61 | 0.0016188 | 12.84 | 0.0000000 | 0.00 | 1.451979 | 1.61 | 0.0152320 | 1.50 | 26.28440 | 0.45 | 3.89375 | 2.87 | 0.0000000 | 0.00 | 0.0055509 | 3.11 |
| 16D10637 | 2.1 % | | 0.0110434 | 3.27 | 0.0000000 | 0.00 | 0.0065187 | 0.70 | 0.0000000 | 0.00 | 24.4787 | 0.68 | 0.0020640 | 3.27 | 0.0000000 | 0.00 | 0.0171272 | 1.54 | 0.0017576 | 12.84 | 0.0000000 | 0.00 | 1.423587 | 1.53 | 0.0165378 | 1.49 | 25.15175 | 0.46 | 3.26333 | 3.27 | 0.0000000 | 0.00 | 0.0054424 | 3.07 |
| 16D10639 | 2.2 % | | 0.0077878 | 4.58 | 0.0000000 | 0.00 | 0.0064490 | 0.70 | 0.0000015 | 222.07 | 24.2171 | 0.68 | 0.0014555 | 4.58 | 0.0000000 | 0.00 | 0.0152555 | 1.83 | 0.0017388 | 12.84 | 0.0105540 | 222.07 | 1.268018 | 1.82 | 0.0163611 | 1.49 | 22.72741 | 0.50 | 2.30131 | 4.58 | 0.0000000 | 0.00 | 0.0048476 | 3.22 |
| 16D10640 | 2.3 % | ✓ | 0.0048974 | 7.28 | 0.0000000 | 0.00 | 0.0044941 | 0.95 | 0.0000001 | ###### | 16.8762 | 0.94 | 0.0009153 | 7.28 | 0.0000000 | 0.00 | 0.0090040 | 3.05 | 0.0012117 | 12.85 | 0.0006148 | ###### | 0.748403 | 3.05 | 0.0114016 | 1.62 | 14.29381 | 0.79 | 1.44718 | 7.28 | 0.0000000 | 0.00 | 0.0028611 | 4.04 |
| 16D10641 | 2.4 % | ✓ | 0.0051436 | 7.04 | 0.0000000 | 0.00 | 0.0056841 | 0.76 | 0.0000031 | 115.51 | 21.3447 | 0.75 | 0.0009613 | 7.04 | 0.0000000 | 0.00 | 0.0107029 | 2.40 | 0.0015325 | 12.84 | 0.0215325 | 115.52 | 0.889610 | 2.40 | 0.0144205 | 1.52 | 17.00819 | 0.68 | 1.51993 | 7.04 | 0.0000000 | 0.00 | 0.0034010 | 3.58 |
| 16D10643 | 2.5 % | ✓ | 0.0043471 | 8.07 | 0.0000000 | 0.00 | 0.0057519 | 0.80 | 0.0000013 | 271.13 | 21.5993 | 0.79 | 0.0008125 | 8.07 | 0.0000000 | 0.00 | 0.0099162 | 2.63 | 0.0015508 | 12.84 | 0.0088577 | 271.14 | 0.824222 | 2.63 | 0.0145925 | 1.54 | 15.90012 | 0.70 | 1.28455 | 8.07 | 0.0000000 | 0.00 | 0.0031510 | 3.74 |
| 16D10644 | 2.6 % | ✓ | 0.0046576 | 7.88 | 0.0000000 | 0.00 | 0.0072316 | 0.65 | 0.0000039 | 88.43 | 27.1560 | 0.63 | 0.0008705 | 7.88 | 0.0000000 | 0.00 | 0.0117910 | 2.33 | 0.0019498 | 12.84 | 0.0275592 | 88.44 | 0.980051 | 2.32 | 0.0183466 | 1.46 | 19.15090 | 0.61 | 1.37631 | 7.88 | 0.0000000 | 0.00 | 0.0037467 | 3.53 |
| 16D10645 | 2.7 % | ✓ | 0.0027021 | 12.50 | 0.0000000 | 0.00 | 0.0047023 | 0.87 | 0.0000000 | 0.00 | 17.6580 | 0.85 | 0.0005050 | 12.50 | 0.0000000 | 0.00 | 0.0069887 | 3.90 | 0.0012678 | 12.85 | 0.0000000 | 0.00 | 0.580894 | 3.90 | 0.0119298 | 1.57 | 11.40451 | 0.94 | 0.79847 | 12.50 | 0.0000000 | 0.00 | 0.0022208 | 4.72 |
| 16D10647 | 2.8 % | ✓ | 0.0027217 | 12.78 | 0.0000000 | 0.00 | 0.0065000 | 0.73 | 0.0000040 | 84.45 | 24.4085 | 0.71 | 0.0005087 | 12.78 | 0.0000000 | 0.00 | 0.0095288 | 2.84 | 0.0017525 | 12.84 | 0.0281315 | 84.46 | 0.792019 | 2.84 | 0.0164904 | 1.50 | 15.55995 | 0.71 | 0.80426 | 12.78 | 0.0000000 | 0.00 | 0.0030279 | 3.89 |
| 16D10648 | 2.9 % | ✓ | 0.0025895 | 13.14 | 0.0000000 | 0.00 | 0.0067802 | 0.69 | 0.0000016 | 205.41 | 25.4606 | 0.67 | 0.0004840 | 13.14 | 0.0000000 | 0.00 | 0.0093722 | 2.76 | 0.0018281 | 12.84 | 0.0115365 | 205.41 | 0.779004 | 2.75 | 0.0172012 | 1.48 | 15.25357 | 0.71 | 0.76520 | 13.14 | 0.0000000 | 0.00 | 0.0029781 | 3.83 |
| 16D10649 | 3.0 % | ✓ | 0.0009496 | 34.53 | 0.0000000 | 0.00 | 0.0035043 | 1.17 | 0.0000024 | 138.74 | 13.1592 | 1.16 | 0.0001775 | 34.53 | 0.0000000 | 0.00 | 0.0043656 | 5.86 | 0.0009448 | 12.87 | 0.0170462 | 138.75 | 0.362859 | 5.86 | 0.0088904 | 1.75 | 7.45569 | 1.41 | 0.28062 | 34.53 | 0.0000000 | 0.00 | 0.0013872 | 6.44 |
| 16D10651 | 3.2 % | ✓ | 0.0017008 | 20.46 | 0.0000000 | 0.00 | 0.0051536 | 0.83 | 0.0000009 | 386.04 | 19.3527 | 0.81 | 0.0003179 | 20.46 | 0.0000000 | 0.00 | 0.0067202 | 4.16 | 0.0013895 | 12.85 | 0.0063403 | 386.04 | 0.558577 | 4.16 | 0.0130747 | 1.55 | 10.87955 | 1.02 | 0.50257 | 20.46 | 0.0000000 | 0.00 | 0.0021354 | 4.93 |
| 16D10652 | 3.4 % | ✓ | 0.0021838 | 15.78 | 0.0000000 | 0.00 | 0.0042331 | 0.96 | 0.0000000 | 0.00 | 15.8959 | 0.95 | 0.0004082 | 15.78 | 0.0000000 | 0.00 | 0.0056390 | 4.58 | 0.0011413 | 12.86 | 0.0000000 | 0.00 | 0.468704 | 4.58 | 0.0107393 | 1.63 | 8.60435 | 1.27 | 0.64532 | 15.78 | 0.0000000 | 0.00 | 0.0017919 | 5.29 |
| 16D10653 | 3.6 % | ✓ | 0.0033686 | 10.76 | 0.0000000 | 0.00 | 0.0099194 | 0.52 | 0.0000015 | 228.59 | 37.2489 | 0.50 | 0.0006296 | 10.76 | 0.0000000 | 0.00 | 0.0115675 | 2.26 | 0.0026745 | 12.83 | 0.0104662 | 228.59 | 0.961474 | 2.25 | 0.0251653 | 1.41 | 19.52388 | 0.59 | 0.99543 | 10.76 | 0.0000000 | 0.00 | 0.0036757 | 3.48 |
| 16D10655 | 3.8 % | ✓ | 0.0020602 | 16.23 | 0.0000000 | 0.00 | 0.0069903 | 0.66 | 0.0000016 | 204.40 | 26.2496 | 0.65 | 0.0003851 | 16.23 | 0.0000000 | 0.00 | 0.0080219 | 3.29 | 0.0018847 | 12.84 | 0.0114084 | 204.40 | 0.666771 | 3.29 | 0.0177342 | 1.47 | 12.97922 | 0.82 | 0.60879 | 16.23 | 0.0000000 | 0.00 | 0.0025491 | 4.23 |
| 16D10656 | 4.0 % | ✓ | 0.0019385 | 18.04 | 0.0000000 | 0.00 | 0.0074108 | 0.63 | 0.0000000 | 0.00 | 27.8288 | 0.61 | 0.0003623 | 18.04 | 0.0000000 | 0.00 | 0.0078667 | 3.60 | 0.0019981 | 12.83 | 0.0000000 | 0.00 | 0.653866 | 3.59 | 0.0188011 | 1.46 | 13.21365 | 0.84 | 0.57283 | 18.04 | 0.0000000 | 0.00 | 0.0024997 | 4.47 |
| 16D10657 | 4.3 % | ✓ | 0.0025082 | 14.34 | 0.0000000 | 0.00 | 0.0096269 | 0.55 | 0.0000000 | 0.00 | 36.1507 | 0.53 | 0.0004688 | 14.34 | 0.0000000 | 0.00 | 0.0102323 | 2.57 | 0.0025956 | 12.83 | 0.0000000 | 0.00 | 0.850495 | 2.57 | 0.0244234 | 1.42 | 16.85294 | 0.68 | 0.74117 | 14.34 | 0.0000000 | 0.00 | 0.0032514 | 3.70 |
| 16D10659 | 4.6 % | ✓ | 0.0036635 | 10.77 | 0.0000000 | 0.00 | 0.0194396 | 0.41 | 0.0000000 | 0.00 | 72.9989 | 0.38 | 0.0006847 | 10.77 | 0.0000000 | 0.00 | 0.0192766 | 1.46 | 0.0052413 | 12.83 | 0.0000000 | 0.00 | 1.602246 | 1.45 | 0.0493181 | 1.37 | 32.29483 | 0.38 | 1.08256 | 10.77 | 0.0000000 | 0.00 | 0.0061254 | 3.03 |
| 16D10660 | 4.9 % | ✓ | 0.0023005 | 16.46 | 0.0000000 | 0.00 | 0.0133018 | 0.47 | 0.0000000 | 0.00 | 49.9506 | 0.45 | 0.0004300 | 16.46 | 0.0000000 | 0.00 | 0.0124240 | 2.27 | 0.0035865 | 12.83 | 0.0000000 | 0.00 | 1.032665 | 2.27 | 0.0337466 | 1.39 | 20.56759 | 0.58 | 0.67980 | 16.46 | 0.0000000 | 0.00 | 0.0039479 | 3.49 |
| 16D10661 | 5.2 % | ✓ | 0.0039302 | 9.63 | 0.0000000 | 0.00 | 0.0187077 | 0.42 | 0.0000025 | 139.01 | 70.2503 | 0.39 | 0.0007346 | 9.63 | 0.0000000 | 0.00 | 0.0176257 | 1.49 | 0.0050440 | 12.83 | 0.0176219 | 139.01 | 1.465025 | 1.49 | 0.0474611 | 1.38 | 28.20924 | 0.42 | 1.16137 | 9.63 | 0.0000000 | 0.00 | 0.0056008 | 3.05 |
| 16D10663 | 5.5 % | ✓ | 0.0023878 | 15.80 | 0.0000000 | 0.00 | 0.0160647 | 0.43 | 0.0000000 | 0.00 | 60.3254 | 0.41 | 0.0004463 | 15.80 | 0.0000000 | 0.00 | 0.0149131 | 1.79 | 0.0043314 | 12.83 | 0.0000000 | 0.00 | 1.239557 | 1.78 | 0.0407559 | 1.38 | 23.61236 | 0.50 | 0.70559 | 15.80 | 0.0000000 | 0.00 | 0.0047388 | 3.20 |
| 16D10664 | 5.8 % | ✓ | 0.0036274 | 10.92 | 0.0000000 | 0.00 | 0.0171568 | 0.42 | 0.0000000 | 0.00 | 64.4267 | 0.39 | 0.0006780 | 10.92 | 0.0000000 | 0.00 | 0.0159760 | 1.60 | 0.0046258 | 12.83 | 0.0000000 | 0.00 | 1.327900 | 1.59 | 0.0435267 | 1.38 | 24.89765 | 0.50 | 1.07189 | 10.92 | 0.0000000 | 0.00 | 0.0050766 | 3.10 |
| 16D10665 | 6.2 % | ✓ | 0.0016975 | 20.95 | 0.0000000 | 0.00 | 0.0122662 | 0.49 | 0.0000001 | ###### | 46.0617 | 0.47 | 0.0003173 | 20.95 | 0.0000000 | 0.00 | 0.0111591 | 2.41 | 0.0033072 | 12.83 | 0.0005334 | ###### | 0.927527 | 2.41 | 0.0311193 | 1.40 | 17.86361 | 0.63 | 0.50160 | 20.95 | 0.0000000 | 0.00 | 0.0035459 | 3.59 |
| 16D10667 | 6.6 % | ✓ | 0.0026063 | 14.04 | 0.0000000 | 0.00 | 0.0138577 | 0.45 | 0.0000000 | 0.00 | 52.0379 | 0.43 | 0.0004871 | 14.04 | 0.0000000 | 0.00 | 0.0125555 | 2.17 | 0.0037363 | 12.83 | 0.0000000 | 0.00 | 1.043599 | 2.17 | 0.0351568 | 1.39 | 19.87850 | 0.58 | 0.77015 | 14.04 | 0.0000000 | 0.00 | 0.0039897 | 3.43 |
| 16D10668 | 7.0 % | | 0.0057690 | 7.17 | 0.0000000 | 0.00 | 0.0214046 | 0.40 | 0.0000042 | 83.56 | 80.3776 | 0.37 | 0.0010782 | 7.17 | 0.0000000 | 0.00 | 0.0221889 | 1.14 | 0.0057711 | 12.83 | 0.0295990 | 83.56 | 1.844313 | 1.13 | 0.0543031 | 1.37 | 29.94586 | 0.43 | 1.70473 | 7.17 | 0.0000000 | 0.00 | 0.0070508 | 2.89 |
| 16D10669 | 7.6 % | | 0.0085459 | 5.03 | 0.0000000 | 0.00 | 0.0236967 | 0.39 | 0.0000023 | 147.87 | 88.9849 | 0.36 | 0.0015972 | 5.03 | 0.0000000 | 0.00 | 0.0257503 | 1.08 | 0.0063891 | 12.83 | 0.0162127 | 147.87 | 2.140328 | 1.07 | 0.0601182 | 1.37 | 31.91945 | 0.42 | 2.52531 | 5.03 | 0.0000000 | 0.00 | 0.0081825 | 2.87 |
| 16D10671 | 8.3 % | | 0.0032122 | 11.81 | 0.0000000 | 0.00 | 0.0105769 | 0.51 | 0.0000000 | 0.00 | 39.7179 | 0.49 | 0.0006004 | 11.81 | 0.0000000 | 0.00 | 0.0105402 | 2.51 | 0.0028517 | 12.83 | 0.0000000 | 0.00 | 0.876087 | 2.50 | 0.0268334 | 1.41 | 15.49009 | 0.77 | 0.94922 | 11.81 | 0.0000000 | 0.00 | 0.0033493 | 3.65 |
| 16D10672 | 9.0 % | | 0.0135818 | 3.50 | 0.0000000 | 0.00 | 0.0242140 | 0.39 | 0.0000006 | 533.27 | 90.9274 | 0.36 | 0.0025384 | 3.50 | 0.0000000 | 0.00 | 0.0269868 | 0.96 | 0.0065286 | 12.83 | 0.0044300 | 533.27 | 2.243105 | 0.94 | 0.0614306 | 1.37 | 26.70728 | 0.55 | 4.01343 | 3.50 | 0.0000000 | 0.00 | 0.0085754 | 2.82 |
| 16D10673 | 9.8 % | | 0.0168922 | 3.03 | 0.0000000 | 0.00 | 0.0302111 | 0.38 | 0.0000016 | 212.83 | 113.4478 | 0.35 | 0.0031572 | 3.03 | 0.0000000 | 0.00 | 0.0309975 | 0.88 | 0.0081455 | 12.82 | 0.0114732 | 212.83 | 2.576469 | 0.86 | 0.0766453 | 1.37 | 30.49509 | 0.52 | 4.99165 | 3.03 | 0.0000000 | 0.00 | 0.0098498 | 2.80 |
| 16D10675 | 11.0 % | | 0.0210511 | 2.48 | 0.0000000 | 0.00 | 0.0332241 | 0.38 | 0.0000030 | 111.23 | 124.7620 | 0.34 | 0.0039345 | 2.48 | 0.0000000 | 0.00 | 0.0285145 | 0.93 | 0.0089579 | 12.82 | 0.0213136 | 111.23 | 2.370088 | 0.91 | 0.0842892 | 1.36 | 26.29300 | 0.61 | 6.22060 | 2.48 | 0.0000000 | 0.00 | 0.0090608 | 2.81 |
| 16D10676 | 13.0 % | | 0.0400758 | 1.88 | 0.0000000 | 0.00 | 0.0763104 | 0.36 | 0.0000052 | 68.32 | 286.5581 | 0.33 | 0.0074902 | 1.88 | 0.0000000 | 0.00 | 0.0338745 | 0.88 | 0.0205749 | 12.82 | 0.0365551 | 68.33 | 2.815605 | 0.87 | 0.1935986 | 1.36 | 30.94723 | 0.73 | 11.84240 | 1.88 | 0.0000000 | 0.00 | 0.0107641 | 2.80 |
| 16D10677 | 15.5 % | | 0.0307109 | 2.37 | 0.0000000 | 0.00 | 0.0757299 | 0.36 | 0.0000000 | 0.00 | 284.3780 | 0.33 | 0.0057399 | 2.37 | 0.0000000 | 0.00 | 0.0176234 | 1.62 | 0.0204183 | 12.82 | 0.0000000 | 0.00 | 1.464830 | 1.61 | 0.1921258 | 1.36 | 17.38250 | 1.26 | 9.07506 | 2.37 | 0.0000000 | 0.00 | 0.0056000 | 3.11 |
| 16D10679 | 18.5 % | | 0.0154875 | 3.36 | 0.0000000 | 0.00 | 0.0479442 | 0.37 | 0.0000000 | 0.00 | 180.0384 | 0.33 | 0.0028946 | 3.36 | 0.0000000 | 0.00 | 0.0079077 | 3.28 | 0.0129268 | 12.82 | 0.0000000 | 0.00 | 0.657276 | 3.27 | 0.1216339 | 1.36 | 7.75302 | 2.05 | 4.57657 | 3.36 | 0.0000000 | 0.00 | 0.0025128 | 4.22 |
| 16D10680 | 21.5 % | | 0.0102078 | 4.52 | 0.0000000 | 0.00 | 0.0335602 | 0.37 | 0.0000000 | 0.00 | 126.0241 | 0.34 | 0.0019078 | 4.52 | 0.0000000 | 0.00 | 0.0036457 | 7.32 | 0.0090485 | 12.82 | 0.0000000 | 0.00 | 0.303029 | 7.32 | 0.0851419 | 1.36 | 4.04930 | 3.51 | 3.01640 | 4.52 | 0.0000000 | 0.00 | 0.0011585 | 7.78 |
| 16D10682 | 24.5 % | | 0.0085057 | 5.19 | 0.0000000 | 0.00 | 0.0289581 | 0.38 | 0.0000017 | 195.50 | 108.7423 | 0.35 | 0.0015897 | 5.19 | 0.0000000 | 0.00 | 0.0036217 | 7.49 | 0.0078077 | 12.82 | 0.0122118 | 195.50 | 0.301031 | 7.49 | 0.0734663 | 1.37 | 3.92784 | 3.48 | 2.51343 | 5.19 | 0.0000000 | 0.00 | 0.0011508 | 7.95 |
| | | Σ | 0.7984188 | 0.37 | 0.0000000 | 0.00 | 0.6490011 | 0.09 | 0.0000435 | 36.12 | 2437.1050 | 0.08 | 0.1492245 | 0.37 | 0.0000000 | 0.00 | 0.6160447 | 0.27 | 0.1749841 | 2.95 | 0.3057093 | 36.13 | 51.204782 | 0.27 | 1.6465082 | 0.31 | 902.74970 | 0.10 | 235.93276 | 0.37 | 0.0000000 | 0.00 | 0.1957559 | 0.56 |
| | | Σ | | | | | | | 1.4474634 | 0.21 | 2437.1050 | 0.08 | | | | | | | | | 1.2459627 | 8.88 | | | 52.851290 | 0.26 | | | | | | | 1138.8782 | 0.11 |

| Additional Parameters | | | 40Ar/39Ar | 1σ | 37Ar/39Ar | 1σ | 36Ar/39Ar | 1σ | Time (days) | 37Ar (decay) | 39Ar (decay) | 40Ar (moles) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16D10630 | 1.0 % | | 61.299001 | 0.459573 | 5.527569 | 0.067378 | 0.112123 | 0.000948 | 87.415 | 5.635472 | 1.00061787 | 8.687E-12 |
| 16D10632 | 1.4 % | | 35.633533 | 0.295063 | 7.957023 | 0.087541 | 0.047969 | 0.000482 | 87.429 | 5.637095 | 1.00061797 | 4.732E-12 |
| 16D10633 | 1.8 % | | 24.130404 | 0.174639 | 10.369358 | 0.095808 | 0.020875 | 0.000230 | 87.437 | 5.637946 | 1.00061803 | 3.432E-12 |
| 16D10635 | 1.9 % | | 20.984282 | 0.218901 | 12.597869 | 0.155162 | 0.014419 | 0.000259 | 87.451 | 5.639570 | 1.00061813 | 2.111E-12 |
| 16D10636 | 2.0 % | | 20.572157 | 0.328358 | 15.366462 | 0.267386 | 0.013073 | 0.000330 | 87.459 | 5.640421 | 1.00061818 | 1.449E-12 |
| 16D10637 | 2.1 % | | 19.734757 | 0.299595 | 16.997647 | 0.281710 | 0.012195 | 0.000310 | 87.467 | 5.641272 | 1.00061824 | 1.364E-12 |
| 16D10639 | 2.2 % | | 19.490790 | 0.351566 | 18.855141 | 0.362486 | 0.011086 | 0.000340 | 87.481 | 5.642897 | 1.00061834 | 1.202E-12 |
| 16D10640 | 2.3 % | ✓ | 20.720910 | 0.624232 | 22.211248 | 0.698584 | 0.012361 | 0.000596 | 87.489 | 5.643749 | 1.00061839 | 7.557E-13 |
| 16D10641 | 2.4 % | ✓ | 20.498784 | 0.485528 | 23.610555 | 0.583962 | 0.011980 | 0.000488 | 87.496 | 5.644523 | 1.00061844 | 8.895E-13 |
| 16D10643 | 2.5 % | ✓ | 20.490606 | 0.531664 | 25.749750 | 0.695343 | 0.012041 | 0.000518 | 87.510 | 5.646072 | 1.00061854 | 8.250E-13 |
| 16D10644 | 2.6 % | ✓ | 20.563901 | 0.471102 | 27.199538 | 0.643890 | 0.011912 | 0.000455 | 87.517 | 5.646846 | 1.00061859 | 9.855E-13 |
| 16D10645 | 2.7 % | ✓ | 20.588233 | 0.789530 | 29.786302 | 1.166061 | 0.012490 | 0.000740 | 87.524 | 5.647621 | 1.00061864 | 5.858E-13 |
| 16D10647 | 2.8 % | ✓ | 20.243723 | 0.564981 | 30.189487 | 0.866429 | 0.011411 | 0.000531 | 87.537 | 5.649170 | 1.00061874 | 7.856E-13 |
| 16D10648 | 2.9 % | ✓ | 20.122639 | 0.544433 | 31.977448 | 0.887716 | 0.011770 | 0.000529 | 87.544 | 5.649945 | 1.00061879 | 7.690E-13 |
| 16D10649 | 3.0 % | ✓ | 20.814283 | 1.196031 | 35.398050 | 2.066453 | 0.011988 | 0.001112 | 87.551 | 5.650720 | 1.00061884 | 3.714E-13 |
| 16D10651 | 3.2 % | ✓ | 19.914666 | 0.811940 | 33.854062 | 1.402020 | 0.011992 | 0.000776 | 87.565 | 5.652271 | 1.00061893 | 5.464E-13 |
| 16D10652 | 3.4 % | ✓ | 19.296247 | 0.867418 | 33.154966 | 1.516485 | 0.013384 | 0.000932 | 87.572 | 5.653046 | 1.00061898 | 4.441E-13 |
| 16D10653 | 3.6 % | ✓ | 20.800886 | 0.457944 | 37.753282 | 0.849125 | 0.013469 | 0.000468 | 87.579 | 5.653821 | 1.00061903 | 9.851E-13 |
| 16D10655 | 3.8 % | ✓ | 19.854575 | 0.638418 | 38.348236 | 1.252707 | 0.013224 | 0.000643 | 87.593 | 5.655373 | 1.00061913 | 6.523E-13 |
| 16D10656 | 4.0 % | ✓ | 20.498958 | 0.718587 | 41.370748 | 1.466915 | 0.013899 | 0.000708 | 87.600 | 5.656149 | 1.00061918 | 6.619E-13 |
| 16D10657 | 4.3 % | ✓ | 20.113153 | 0.504605 | 41.318961 | 1.055064 | 0.013870 | 0.000534 | 87.607 | 5.656924 | 1.00061923 | 8.447E-13 |
| 16D10659 | 4.6 % | ✓ | 20.213277 | 0.285089 | 44.199878 | 0.643630 | 0.013989 | 0.000306 | 87.621 | 5.658476 | 1.00061933 | 1.602E-12 |
| 16D10660 | 4.9 % | ✓ | 19.927894 | 0.438959 | 46.839882 | 1.049093 | 0.014631 | 0.000475 | 87.628 | 5.659253 | 1.00061938 | 1.020E-12 |
| 16D10661 | 5.2 % | ✓ | 19.422458 | 0.280763 | 46.446901 | 0.692187 | 0.014969 | 0.000326 | 87.635 | 5.660029 | 1.00061942 | 1.410E-12 |
| 16D10663 | 5.5 % | ✓ | 18.997460 | 0.329154 | 47.117738 | 0.834944 | 0.014412 | 0.000382 | 87.649 | 5.661582 | 1.00061952 | 1.167E-12 |
| 16D10664 | 5.8 % | ✓ | 18.939854 | 0.292483 | 46.977883 | 0.745102 | 0.015155 | 0.000367 | 87.656 | 5.662359 | 1.00061957 | 1.247E-12 |
| 16D10665 | 6.2 % | ✓ | 19.161137 | 0.448418 | 48.048704 | 1.141771 | 0.014566 | 0.000499 | 87.662 | 5.663135 | 1.00061962 | 8.817E-13 |
| 16D10667 | 6.6 % | ✓ | 19.144874 | 0.403177 | 48.238777 | 1.032235 | 0.015262 | 0.000463 | 87.676 | 5.664689 | 1.00061972 | 9.913E-13 |
| 16D10668 | 7.0 % | | 16.674056 | 0.183686 | 42.334831 | 0.489263 | 0.014314 | 0.000265 | 87.683 | 5.665466 | 1.00061977 | 1.520E-12 |
| 16D10669 | 7.6 % | | 15.657258 | 0.164203 | 40.439476 | 0.446241 | 0.014654 | 0.000244 | 87.690 | 5.666243 | 1.00061982 | 1.654E-12 |
| 16D10671 | 8.3 % | | 18.210533 | 0.444600 | 43.988256 | 1.090056 | 0.015272 | 0.000557 | 87.704 | 5.667798 | 1.00061991 | 7.892E-13 |
| 16D10672 | 9.0 % | | 13.334262 | 0.123378 | 39.455846 | 0.388482 | 0.016401 | 0.000252 | 87.711 | 5.668575 | 1.00061996 | 1.475E-12 |
| 16D10673 | 9.8 % | | 13.379215 | 0.113300 | 42.760224 | 0.388131 | 0.017755 | 0.000240 | 87.718 | 5.669353 | 1.00062001 | 1.704E-12 |
| 16D10675 | 11.0 % | | 13.250882 | 0.117905 | 50.832444 | 0.480579 | 0.022115 | 0.000284 | 87.732 | 5.670909 | 1.00062011 | 1.561E-12 |
| 16D10676 | 13.0 % | | 14.223161 | 0.115588 | 95.227214 | 0.829024 | 0.038678 | 0.000390 | 87.739 | 5.671687 | 1.00062016 | 2.054E-12 |
| 16D10677 | 15.5 % | | 15.970949 | 0.227295 | 171.626755 | 2.490784 | 0.064239 | 0.000996 | 87.746 | 5.672465 | 1.00062021 | 1.270E-12 |
| 16D10679 | 18.5 % | | 15.832526 | 0.439100 | 231.141552 | 6.412643 | 0.081437 | 0.002329 | 87.760 | 5.674021 | 1.00062031 | 5.919E-13 |
| 16D10680 | 21.5 % | | 18.205503 | 1.043411 | 324.661024 | 18.549384 | 0.112754 | 0.006532 | 87.767 | 5.674799 | 1.00062036 | 3.392E-13 |
| 16D10682 | 24.5 % | | 17.202830 | 1.039960 | 290.368708 | 17.486542 | 0.100042 | 0.006122 | 87.781 | 5.676356 | 1.00062045 | 3.092E-13 |

| Procedure Blanks | | 36Ar ± 1σ (SE) [fA] | 37Ar ± 1σ (SE) [fA] | 38Ar ± 1σ (SE) [fA] | 39Ar ± 1σ (SE) [fA] | 40Ar ± 1σ (SE) [fA] |
|---|---|---|---|---|---|---|
| 16D10630 | 1.0 % | 0.0047697 ± 0.0002522 | 0.0275501 ± 0.0179418 | 0.0234870 ± 0.0167857 | 0.0160530 ± 0.0155155 | 1.2376491 ± 0.0369131 |
| 16D10632 | 1.4 % | 0.0046570 ± 0.0002522 | 0.0224822 ± 0.0179418 | 0.0217439 ± 0.0167857 | 0.0099796 ± 0.0155155 | 1.2506416 ± 0.0369131 |
| 16D10633 | 1.8 % | 0.0046102 ± 0.0002522 | 0.0204250 ± 0.0179418 | 0.0207004 ± 0.0167857 | 0.0069259 ± 0.0155155 | 1.2550603 ± 0.0369131 |
| 16D10635 | 1.9 % | 0.0045410 ± 0.0002522 | 0.0174848 ± 0.0179418 | 0.0185799 ± 0.0167857 | 0.0013612 ± 0.0155155 | 1.2596221 ± 0.0369131 |
| 16D10636 | 2.0 % | 0.0045141 ± 0.0002522 | 0.0164002 ± 0.0179418 | 0.0174480 ± 0.0167857 | 0.0014060 ± 0.0155155 | 1.2602563 ± 0.0369131 |
| 16D10637 | 2.1 % | 0.0044927 ± 0.0002522 | 0.0155882 ± 0.0179418 | 0.0163306 ± 0.0167857 | 0.0040659 ± 0.0155155 | 1.2598625 ± 0.0369131 |
| 16D10639 | 2.2 % | 0.0044653 ± 0.0002522 | 0.0146898 ± 0.0179418 | 0.0143084 ± 0.0167857 | 0.0088314 ± 0.0155155 | 1.2567209 ± 0.0369131 |
| 16D10640 | 2.3 % | 0.0044568 ± 0.0002522 | 0.0145081 ± 0.0179418 | 0.0133402 ± 0.0167857 | 0.0111565 ± 0.0155155 | 1.2540530 ± 0.0369131 |
| 16D10641 | 2.4 % | 0.0044520 ± 0.0002522 | 0.0144866 ± 0.0179418 | 0.0125311 ± 0.0167857 | 0.0131641 ± 0.0155155 | 1.2511436 ± 0.0369131 |
| 16D10643 | 2.5 % | 0.0044492 ± 0.0002522 | 0.0147786 ± 0.0179418 | 0.0111553 ± 0.0167857 | 0.0168656 ± 0.0155155 | 1.2442667 ± 0.0369131 |
| 16D10644 | 2.6 % | 0.0044505 ± 0.0002522 | 0.0150578 ± 0.0179418 | 0.0106044 ± 0.0167857 | 0.0185547 ± 0.0155155 | 1.2404473 ± 0.0369131 |
| 16D10645 | 2.7 % | 0.0044533 ± 0.0002522 | 0.0154043 ± 0.0179418 | 0.0101535 ± 0.0167857 | 0.0201331 ± 0.0155155 | 1.2364659 ± 0.0369131 |
| 16D10647 | 2.8 % | 0.0044617 ± 0.0002522 | 0.0162398 ± 0.0179418 | 0.0095699 ± 0.0167857 | 0.0229493 ± 0.0155155 | 1.2282683 ± 0.0369131 |
| 16D10648 | 2.9 % | 0.0044668 ± 0.0002522 | 0.0167013 ± 0.0179418 | 0.0094434 ± 0.0167857 | 0.0241834 ± 0.0155155 | 1.2241676 ± 0.0369131 |
| 16D10649 | 3.0 % | 0.0044722 ± 0.0002522 | 0.0171751 ± 0.0179418 | 0.0094290 ± 0.0167857 | 0.0252992 ± 0.0155155 | 1.2201357 ± 0.0369131 |
| 16D10651 | 3.2 % | 0.0044830 ± 0.0002522 | 0.0181139 ± 0.0179418 | 0.0097354 ± 0.0167857 | 0.0271697 ± 0.0155155 | 1.2124644 ± 0.0369131 |
| 16D10652 | 3.4 % | 0.0044880 ± 0.0002522 | 0.0185582 ± 0.0179418 | 0.0100525 ± 0.0167857 | 0.0279216 ± 0.0155155 | 1.2089077 ± 0.0369131 |
| 16D10653 | 3.6 % | 0.0044925 ± 0.0002522 | 0.0189735 ± 0.0179418 | 0.0104743 ± 0.0167857 | 0.0285497 ± 0.0155155 | 1.2055855 ± 0.0369131 |
| 16D10655 | 3.8 % | 0.0044993 ± 0.0002522 | 0.0196852 ± 0.0179418 | 0.0116114 ± 0.0167857 | 0.0294301 ± 0.0155155 | 1.1997647 ± 0.0369131 |
| 16D10656 | 4.0 % | 0.0045014 ± 0.0002522 | 0.0199678 ± 0.0179418 | 0.0123131 ± 0.0167857 | 0.0296807 ± 0.0155155 | 1.1973163 ± 0.0369131 |
| 16D10657 | 4.3 % | 0.0045025 ± 0.0002522 | 0.0201939 ± 0.0179418 | 0.0130925 ± 0.0167857 | 0.0298039 ± 0.0155155 | 1.1952025 ± 0.0369131 |
| 16D10659 | 4.6 % | 0.0045013 ± 0.0002522 | 0.0204582 ± 0.0179418 | 0.0148439 ± 0.0167857 | 0.0296660 ± 0.0155155 | 1.1920338 ± 0.0369131 |
| 16D10660 | 4.9 % | 0.0044989 ± 0.0002522 | 0.0204895 ± 0.0179418 | 0.0157925 ± 0.0167857 | 0.0294042 ± 0.0155155 | 1.1909964 ± 0.0369131 |
| 16D10661 | 5.2 % | 0.0044953 ± 0.0002522 | 0.0204505 ± 0.0179418 | 0.0167721 ± 0.0167857 | 0.0290135 ± 0.0155155 | 1.1903284 ± 0.0369131 |
| 16D10663 | 5.5 % | 0.0044844 ± 0.0002522 | 0.0201571 ± 0.0179418 | 0.0187643 ± 0.0167857 | 0.0278452 ± 0.0155155 | 1.1900906 ± 0.0369131 |
| 16D10664 | 5.8 % | 0.0044772 ± 0.0002522 | 0.0199026 ± 0.0179418 | 0.0197437 ± 0.0167857 | 0.0270680 ± 0.0155155 | 1.1905056 ± 0.0369131 |
| 16D10665 | 6.2 % | 0.0044688 ± 0.0002522 | 0.0195778 ± 0.0179418 | 0.0206877 ± 0.0167857 | 0.0261624 ± 0.0155155 | 1.1912595 ± 0.0369131 |
| 16D10667 | 6.6 % | 0.0044490 ± 0.0002522 | 0.0187262 ± 0.0179418 | 0.0223902 ± 0.0167857 | 0.0239680 ± 0.0155155 | 1.1937088 ± 0.0369131 |
| 16D10668 | 7.0 % | 0.0044377 ± 0.0002522 | 0.0182064 ± 0.0179418 | 0.0231055 ± 0.0167857 | 0.0226804 ± 0.0155155 | 1.1953562 ± 0.0369131 |
| 16D10669 | 7.6 % | 0.0044256 ± 0.0002522 | 0.0176299 ± 0.0179418 | 0.0236997 ± 0.0167857 | 0.0212670 ± 0.0155155 | 1.1972468 ± 0.0369131 |
| 16D10671 | 8.3 % | 0.0043999 ± 0.0002522 | 0.0163300 ± 0.0179418 | 0.0244248 ± 0.0167857 | 0.0180667 ± 0.0155155 | 1.2016165 ± 0.0369131 |
| 16D10672 | 9.0 % | 0.0043865 ± 0.0002522 | 0.0156202 ± 0.0179418 | 0.0245029 ± 0.0167857 | 0.0162820 ± 0.0155155 | 1.2040151 ± 0.0369131 |
| 16D10673 | 9.8 % | 0.0043731 ± 0.0002522 | 0.0148813 ± 0.0179418 | 0.0243542 ± 0.0167857 | 0.0143760 ± 0.0155155 | 1.2064956 ± 0.0369131 |
| 16D10675 | 11.0 % | 0.0043470 ± 0.0002522 | 0.0133525 ± 0.0179418 | 0.0232572 ± 0.0167857 | 0.0102061 ± 0.0155155 | 1.2114964 ± 0.0369131 |
| 16D10676 | 13.0 % | 0.0043347 ± 0.0002522 | 0.0125832 ± 0.0179418 | 0.0222463 ± 0.0167857 | 0.0079455 ± 0.0155155 | 1.2139035 ± 0.0369131 |
| 16D10677 | 15.5 % | 0.0043234 ± 0.0002522 | 0.0118260 ± 0.0179418 | 0.0208834 ± 0.0167857 | 0.0055702 ± 0.0155155 | 1.2161660 ± 0.0369131 |
| 16D10679 | 18.5 % | 0.0043046 ± 0.0002522 | 0.0103980 ± 0.0179418 | 0.0169626 ± 0.0167857 | 0.0004833 ± 0.0155155 | 1.2199860 ± 0.0369131 |
| 16D10680 | 21.5 % | 0.0042978 ± 0.0002522 | 0.0097547 ± 0.0179418 | 0.0143323 ± 0.0167857 | 0.0022239 ± 0.0155155 | 1.2213975 ± 0.0369131 |
| 16D10682 | 24.5 % | 0.0042911 ± 0.0002522 | 0.0086848 ± 0.0179418 | 0.0075417 ± 0.0167857 | 0.0079542 ± 0.0155155 | 1.2228282 ± 0.0369131 |

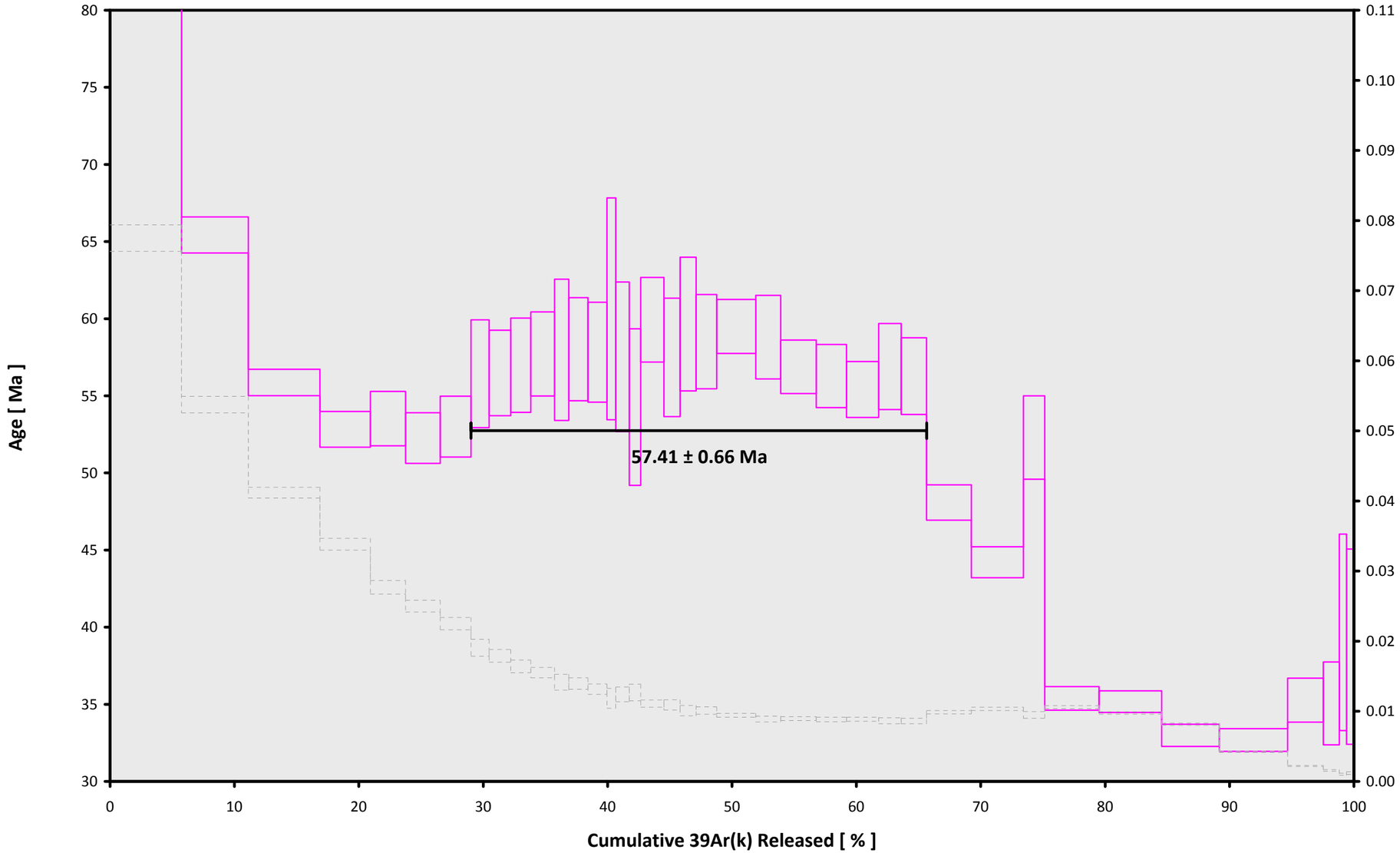
| Intercept Values | | 36Ar ± 1σ (SE) [fA] | r2 | Regression (type,n) | 37Ar ± 1σ (SE) [fA] | r2 | Regression (type,n) | 38Ar ± 1σ (SE) [fA] | r2 | Regression (type,n) | 39Ar ± 1σ (SE) [fA] | r2 | Regression (type,n) | 40Ar ± 1σ (SE) [fA] | r2 | Regression (type,n) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16D10630 | 1.0 % | 0.3173174 ± 0.0008329 | 0.8413 | EXP 150 of 150 | 2.802555 ± 0.018326 | 0.4550 | EXP 150 of 150 | 0.1174418 ± 0.0174322 | 0.0001 | EXP 150 of 150 | 2.9442381 ± 0.0153895 | 0.3117 | EXP 150 of 150 | 182.2107195 ± 0.0240782 | 0.9970 | EXP 150 of 150 |
| 16D10632 | 1.4 % | 0.1299648 ± 0.0005728 | 0.3441 | EXP 150 of 150 | 3.794214 ± 0.017178 | 0.6516 | EXP 150 of 150 | 0.0809413 ± 0.0166723 | 0.0006 | EXP 150 of 150 | 2.7540306 ± 0.0164530 | 0.4401 | EXP 149 of 150 | 99.8361601 ± 0.0228699 | 0.8582 | EXP 150 of 150 |
| 16D10633 | 1.8 % | 0.0630102 ± 0.0003840 | 0.0615 | EXP 150 of 150 | 5.305559 ± 0.018203 | 0.7204 | EXP 150 of 150 | 0.0402885 ± 0.0165356 | 0.0170 | EXP 150 of 150 | 2.9457172 ± 0.0143073 | 0.4736 | EXP 150 of 150 | 72.7533155 ± 0.0208970 | 0.9319 | EXP 150 of 150 |
| 16D10635 | 1.9 % | 0.0330777 ± 0.0003238 | 0.3980 | EXP 150 of 150 | 4.558708 ± 0.019466 | 0.6362 | EXP 150 of 150 | 0.0339722 ± 0.0173917 | 0.0038 | EXP 150 of 150 | 2.0803542 ± 0.0149586 | 0.2514 | EXP 150 of 150 | 45.2450971 ± 0.0195940 | 0.9888 | EXP 150 of 150 |
| 16D10636 | 2.0 % | 0.0226244 ± 0.0002453 | 0.6355 | EXP 150 of 150 | 3.890148 ± 0.016801 | 0.6885 | EXP 150 of 150 | 0.0371281 ± 0.0170754 | 0.0049 | EXP 150 of 150 | 1.4538204 ± 0.0171415 | 0.0270 | EXP 150 of 150 | 31.4439605 ± 0.0188179 | 0.9941 | EXP 150 of 150 |
| 16D10637 | 2.1 % | 0.0210747 ± 0.0002207 | 0.6778 | EXP 149 of 150 | 4.225234 ± 0.018073 | 0.6105 | EXP 150 of 150 | 0.0334160 ± 0.0164525 | 0.0012 | EXP 150 of 150 | 1.4242954 ± 0.0149712 | 0.1355 | EXP 150 of 150 | 29.6803849 ± 0.0195911 | 0.9936 | EXP 150 of 150 |
| 16D10639 | 2.2 % | 0.0179090 ± 0.0002163 | 0.7288 | EXP 150 of 150 | 4.179605 ± 0.017935 | 0.6549 | EXP 150 of 150 | 0.0428732 ± 0.0158384 | 0.0023 | EXP 150 of 150 | 1.2650558 ± 0.0167987 | 0.0893 | EXP 150 of 150 | 26.2902832 ± 0.0174771 | 0.9952 | EXP 150 of 150 |
| 16D10640 | 2.3 % | 0.0133242 ± 0.0002180 | 0.7594 | EXP 150 of 150 | 2.907930 ± 0.018603 | 0.5022 | EXP 149 of 150 | 0.0249083 ± 0.0163010 | 0.0005 | EXP 150 of 150 | 0.7424415 ± 0.0164476 | 0.0151 | EXP 150 of 150 | 16.9978995 ± 0.0184551 | 0.9961 | EXP 150 of 150 |
| 16D10641 | 2.4 % | 0.0146782 ± 0.0002256 | 0.6646 | EXP 150 of 150 | 3.681242 ± 0.017305 | 0.6558 | EXP 150 of 150 | 0.0467347 ± 0.0178367 | 0.0133 | EXP 150 of 150 | 0.8834813 ± 0.0143473 | 0.0045 | EXP 150 of 150 | 19.7826670 ± 0.0197125 | 0.9949 | EXP 150 of 150 |
| 16D10643 | 2.5 % | 0.0139857 ± 0.0002085 | 0.7391 | EXP 149 of 150 | 3.724009 ± 0.019907 | 0.5977 | EXP 149 of 150 | 0.0319725 ± 0.0166596 | 0.0006 | EXP 150 of 150 | 0.8150970 ± 0.0148655 | 0.0069 | EXP 150 of 150 | 18.4320924 ± 0.0181029 | 0.9957 | EXP 150 of 150 |
| 16D10644 | 2.6 % | 0.0156799 ± 0.0002312 | 0.6832 | EXP 150 of 150 | 4.684936 ± 0.018021 | 0.6605 | EXP 150 of 150 | 0.0521365 ± 0.0171504 | 0.0004 | EXP 150 of 150 | 0.9716871 ± 0.0164170 | 0.0006 | EXP 150 of 150 | 21.7714004 ± 0.0182853 | 0.9950 | EXP 150 of 150 |
| 16D10645 | 2.7 % | 0.0114445 ± 0.0001905 | 0.7962 | EXP 150 of 150 | 3.040325 ± 0.016219 | 0.5502 | EXP 150 of 150 | 0.0140649 ± 0.0158205 | 0.0021 | EXP 150 of 150 | 0.5678480 ± 0.0162394 | 0.0253 | EXP 150 of 150 | 13.4416629 ± 0.0168519 | 0.9967 | EXP 150 of 150 |
| 16D10647 | 2.8 % | 0.0131725 ± 0.0002042 | 0.7612 | EXP 150 of 150 | 4.206498 ± 0.020039 | 0.5615 | EXP 150 of 150 | 0.0488871 ± 0.0162946 | 0.0093 | EXP 150 of 150 | 0.7789551 ± 0.0159973 | 0.0081 | EXP 150 of 150 | 17.5955055 ± 0.0167609 | 0.9962 | EXP 150 of 150 |
| 16D10648 | 2.9 % | 0.0133151 ± 0.0001926 | 0.7788 | EXP 150 of 150 | 4.387454 ± 0.018892 | 0.6386 | EXP 150 of 150 | 0.0323127 ± 0.0162093 | 0.0014 | EXP 150 of 150 | 0.7655174 ± 0.0145371 | 0.0051 | EXP 150 of 150 | 17.2459175 ± 0.0187719 | 0.9952 | EXP 150 of 150 |
| 16D10649 | 3.0 % | 0.0086799 ± 0.0001751 | 0.8239 | EXP 150 of 150 | 2.258781 ± 0.017812 | 0.3961 | EXP 150 of 150 | 0.0316219 ± 0.0161447 | 0.0005 | EXP 150 of 150 | 0.3434133 ± 0.0142946 | 0.0714 | EXP 150 of 150 | 8.9578346 ± 0.0171252 | 0.9968 | EXP 150 of 150 |
| 16D10651 | 3.2 % | 0.0109557 ± 0.0002059 | 0.7502 | EXP 150 of 150 | 3.328131 ± 0.017478 | 0.5351 | EXP 150 of 150 | 0.0242798 ± 0.0172968 | 0.0016 | EXP 148 of 150 | 0.5398123 ± 0.0170041 | 0.0017 | EXP 150 of 150 | 12.5967243 ± 0.0198168 | 0.9950 | EXP 150 of 150 |
| 16D10652 | 3.4 % | 0.0105468 ± 0.0002013 | 0.7276 | EXP 150 of 150 | 2.729599 ± 0.016886 | 0.4768 | EXP 150 of 150 | 0.0010260 ± 0.0174076 | 0.0185 | EXP 150 of 150 | 0.4476050 ± 0.0145510 | 0.0107 | EXP 150 of 150 | 10.4603661 ± 0.0171819 | 0.9965 | EXP 150 of 150 |
| 16D10653 | 3.6 % | 0.0170403 ± 0.0002236 | 0.6882 | EXP 150 of 150 | 6.419891 ± 0.017221 | 0.8235 | EXP 149 of 150 | 0.0354285 ± 0.0165290 | 0.0003 | EXP 150 of 150 | 0.9500297 ± 0.0148015 | 0.0000 | EXP 150 of 150 | 21.7285669 ± 0.0187764 | 0.9939 | EXP 150 of 150 |
| 16D10655 | 3.8 % | 0.0130462 ± 0.0001831 | 0.7639 | EXP 149 of 150 | 4.516586 ± 0.018115 | 0.6569 | EXP 150 of 150 | 0.0329831 ± 0.0156680 | 0.0003 | EXP 150 of 150 | 0.6494830 ± 0.0152182 | 0.0044 | EXP 150 of 150 | 14.7903253 ± 0.0158667 | 0.9965 | EXP 150 of 150 |
| 16D10656 | 4.0 % | 0.0133289 ± 0.0002070 | 0.7260 | EXP 150 of 150 | 4.788548 ± 0.017594 | 0.7263 | EXP 150 of 150 | 0.0217814 ± 0.0168102 | 0.0061 | EXP 149 of 150 | 0.6374914 ± 0.0173764 | 0.0020 | EXP 150 of 150 | 14.9862989 ± 0.0198114 | 0.9943 | EXP 150 of 150 |
| 16D10657 | 4.3 % | 0.0159603 ± 0.0002195 | 0.6382 | EXP 150 of 150 | 6.225410 ± 0.019224 | 0.7754 | EXP 150 of 150 | 0.0244411 ± 0.0157509 | 0.0002 | EXP 150 of 150 | 0.8379664 ± 0.0151256 | 0.0001 | EXP 150 of 150 | 18.7925626 ± 0.0181907 | 0.9945 | EXP 150 of 150 |
| 16D10659 | 4.6 % | 0.0263150 ± 0.0002567 | 0.6035 | EXP 150 of 150 | 12.587795 ± 0.019331 | 0.9383 | EXP 150 of 150 | 0.0315770 ± 0.0175403 | 0.0072 | EXP 149 of 150 | 1.6084047 ± 0.0169575 | 0.0612 | EXP 149 of 150 | 34.5755456 ± 0.0202675 | 0.9858 | EXP 150 of 150 |
| 16D10660 | 4.9 % | 0.0192305 ± 0.0002431 | 0.6449 | EXP 150 of 150 | 8.605713 ± 0.020082 | 0.8579 | EXP 150 of 150 | 0.0037950 ± 0.0166533 | 0.0204 | EXP 150 of 150 | 1.0282950 ± 0.0172482 | 0.0158 | EXP 150 of 150 | 22.4423336 ± 0.0168277 | 0.9945 | EXP 150 of 150 |
| 16D10661 | 5.2 % | 0.0258721 ± 0.0002350 | 0.4901 | EXP 150 of 150 | 12.109742 ± 0.019382 | 0.9310 | EXP 150 of 150 | 0.0571773 ± 0.0173133 | 0.0077 | EXP 150 of 150 | 1.4711163 ± 0.0149704 | 0.1081 | EXP 150 of 150 | 30.5665344 ± 0.0179241 | 0.9912 | EXP 150 of 150 |
| 16D10663 | 5.5 % | 0.0219070 ± 0.0002382 | 0.5953 | EXP 150 of 150 | 10.393441 ± 0.019083 | 0.9128 | EXP 150 of 150 | 0.0274991 ± 0.0157428 | 0.0006 | EXP 150 of 150 | 1.2420075 ± 0.0154278 | 0.0874 | EXP 150 of 150 | 25.5127822 ± 0.0180502 | 0.9925 | EXP 150 of 150 |
| 16D10664 | 5.8 % | 0.0241015 ± 0.0002623 | 0.5129 | EXP 150 of 150 | 11.100148 ± 0.018028 | 0.9320 | EXP 150 of 150 | 0.0331054 ± 0.0171503 | 0.0012 | EXP 150 of 150 | 1.3331542 ± 0.0139664 | 0.0676 | EXP 149 of 150 | 27.1651281 ± 0.0178071 | 0.9921 | EXP 150 of 150 |
| 16D10665 | 6.2 % | 0.0176533 ± 0.0002111 | 0.7240 | EXP 150 of 150 | 7.929585 ± 0.020386 | 0.8363 | EXP 149 of 150 | 0.0357729 ± 0.0179430 | 0.0008 | EXP 150 of 150 | 0.9246521 ± 0.0157939 | 0.0003 | EXP 150 of 150 | 19.5600208 ± 0.0182019 | 0.9941 | EXP 150 of 150 |
| 16D10667 | 6.6 % | 0.0199941 ± 0.0002246 | 0.6334 | EXP 150 of 150 | 8.959313 ± 0.017936 | 0.8949 | EXP 150 of 150 | 0.0358245 ± 0.0163933 | 0.0040 | EXP 150 of 150 | 1.0459743 ± 0.0161850 | 0.0007 | EXP 150 of 150 | 21.8463544 ± 0.0177118 | 0.9935 | EXP 150 of 150 |
| 16D10668 | 7.0 % | 0.0300986 ± 0.0002784 | 0.4046 | EXP 150 of 150 | 13.847356 ± 0.019015 | 0.9505 | EXP 149 of 150 | 0.0808551 ± 0.0176296 | 0.0204 | EXP 150 of 150 | 1.8604239 ± 0.0134908 | 0.2543 | EXP 149 of 150 | 32.8529925 ± 0.0183563 | 0.9885 | EXP 150 of 150 |
| 16D10669 | 7.6 % | 0.0348709 ± 0.0002936 | 0.2836 | EXP 150 of 150 | 15.330626 ± 0.018921 | 0.9596 | EXP 150 of 150 | 0.0728929 ± 0.0165808 | 0.0070 | EXP 150 of 150 | 2.1612004 ± 0.0165554 | 0.2423 | EXP 150 of 150 | 35.6501931 ± 0.0189570 | 0.9867 | EXP 150 of 150 |
| 16D10671 | 8.3 % | 0.0174195 ± 0.0002466 | 0.6183 | EXP 150 of 150 | 6.832397 ± 0.017875 | 0.8357 | EXP 150 of 150 | 0.0000234 ± 0.0157413 | 0.0228 | EXP 150 of 150 | 0.8774764 ± 0.0152358 | 0.0008 | EXP 150 of 150 | 17.6442752 ± 0.0161917 | 0.9952 | EXP 150 of 150 |
| 16D10672 | 9.0 % | 0.0400736 ± 0.0003474 | 0.1163 | EXP 149 of 150 | 15.661236 ± 0.018728 | 0.9618 | EXP 149 of 150 | 0.0643738 ± 0.0160857 | 0.0018 | EXP 149 of 150 | 2.2694249 ± 0.0139649 | 0.3211 | EXP 149 of 150 | 31.9332985 ± 0.0171712 | 0.9901 | EXP 150 of 150 |
| 16D10673 | 9.8 % | 0.0488492 ± 0.0003787 | 0.0387 | EXP 150 of 150 | 19.542039 ± 0.018752 | 0.9754 | EXP 150 of 150 | 0.0773136 ± 0.0171872 | 0.0032 | EXP 150 of 150 | 2.6170609 ± 0.0155815 | 0.3711 | EXP 150 of 150 | 36.7030771 ± 0.0210871 | 0.9815 | EXP 150 of 150 |
| 16D10675 | 11.0 % | 0.0555960 ± 0.0003826 | 0.0115 | EXP 150 of 150 | 21.488099 ± 0.019379 | 0.9783 | EXP 150 of 150 | 0.0850283 ± 0.0161841 | 0.0161 | EXP 150 of 150 | 2.4241178 ± 0.0146960 | 0.4746 | EXP 150 of 150 | 33.7341617 ± 0.0196412 | 0.9858 | EXP 150 of 150 |
| 16D10676 | 13.0 % | 0.1142304 ± 0.0005345 | 0.3377 | EXP 150 of 150 | 49.365990 ± 0.021021 | 0.9949 | EXP 150 of 150 | 0.1192500 ± 0.0177831 | 0.0217 | EXP 150 of 150 | 2.9766713 ± 0.0183128 | 0.4297 | EXP 150 of 150 | 44.0142933 ± 0.0180298 | 0.9819 | EXP 150 of 150 |
| 16D10677 | 15.5 % | 0.1048237 ± 0.0005159 | 0.1932 | EXP 150 of 150 | 48.984359 ± 0.020325 | 0.9952 | EXP 150 of 150 | 0.0268239 ± 0.0160983 | 0.0268 | EXP 150 of 150 | 1.6378475 ± 0.0172658 | 0.1058 | EXP 150 of 150 | 27.6793254 ± 0.0211295 | 0.9901 | EXP 150 of 150 |
| 16D10679 | 18.5 % | 0.0641963 ± 0.0003509 | 0.0311 | EXP 149 of 150 | 31.000348 ± 0.019375 | 0.9892 | EXP 150 of 150 | 0.0316074 ± 0.0167808 | 0.0019 | EXP 150 of 150 | 0.7720620 ± 0.0145520 | 0.0196 | EXP 150 of 150 | 13.5520918 ± 0.0156259 | 0.9964 | EXP 150 of 150 |
| 16D10680 | 21.5 % | 0.0456231 ± 0.0003156 | 0.0855 | EXP 149 of 150 | 21.694314 ± 0.017862 | 0.9806 | EXP 150 of 150 | 0.0188931 ± 0.0160091 | 0.0005 | EXP 150 of 150 | 0.3872235 ± 0.0155347 | 0.0473 | EXP 150 of 150 | 8.2882513 ± 0.0155523 | 0.9970 | EXP 150 of 150 |
| 16D10682 | 24.5 % | 0.0396657 ± 0.0002996 | 0.1695 | EXP 150 of 150 | 18.713957 ± 0.019789 | 0.9692 | EXP 150 of 150 | 0.0323907 ± 0.0164310 | 0.0004 | EXP 150 of 150 | 0.3793916 ± 0.0160578 | 0.0007 | EXP 150 of 150 | 7.6652443 ± 0.0175757 | 0.9960 | EXP 150 of 150 |

| Project Info | | Analyst | Irradiation | X-pos | Y-pos | Z/H-pos | Project | Experiment | Nmb |
|---|---|---|---|---|---|---|---|---|---|
| 16D10630 | 1.0 % | Susan Schnur | 15-OSU-07 | 0.00 | 0.00 | 40.16 | Walvis Ridge\MV1203 (13-INT-04) | 16D10626 | 01 |
| 16D10632 | 1.4 % | Susan Schnur | 15-OSU-07 | 0.00 | 0.00 | 40.16 | Walvis Ridge\MV1203 (13-INT-04) | 16D10626 | 01 |
| 16D10633 | 1.8 % | Susan Schnur | 15-OSU-07 | 0.00 | 0.00 | 40.16 | Walvis Ridge\MV1203 (13-INT-04) | 16D10626 | 01 |
| 16D10635 | 1.9 % | Susan Schnur | 15-OSU-07 | 0.00 | 0.00 | 40.16 | Walvis Ridge\MV1203 (13-INT-04) | 16D10626 | 01 |
| 16D10636 | 2.0 % | Susan Schnur | 15-OSU-07 | 0.00 | 0.00 | 40.16 | Walvis Ridge\MV1203 (13-INT-04) | 16D10626 | 01 |
| 16D10637 | 2.1 % | Susan Schnur | 15-OSU-07 | 0.00 | 0.00 | 40.16 | Walvis Ridge\MV1203 (13-INT-04) | 16D10626 | 01 |
| 16D10639 | 2.2 % | Susan Schnur | 15-OSU-07 | 0.00 | 0.00 | 40.16 | Walvis Ridge\MV1203 (13-INT-04) | 16D10626 | 01 |
| 16D10640 | 2.3 % | Susan Schnur | 15-OSU-07 | 0.00 | 0.00 | 40.16 | Walvis Ridge\MV1203 (13-INT-04) | 16D10626 | 01 |
| 16D10641 | 2.4 % | Susan Schnur | 15-OSU-07 | 0.00 | 0.00 | 40.16 | Walvis Ridge\MV1203 (13-INT-04) | 16D10626 | 01 |
| 16D10643 | 2.5 % | Susan Schnur | 15-OSU-07 | 0.00 | 0.00 | 40.16 | Walvis Ridge\MV1203 (13-INT-04) | 16D10626 | 01 |
| 16D10644 | 2.6 % | Susan Schnur | 15-OSU-07 | 0.00 | 0.00 | 40.16 | Walvis Ridge\MV1203 (13-INT-04) | 16D10626 | 01 |
| 16D10645 | 2.7 % | Susan Schnur | 15-OSU-07 | 0.00 | 0.00 | 40.16 | Walvis Ridge\MV1203 (13-INT-04) | 16D10626 | 01 |
| 16D10647 | 2.8 % | Susan Schnur | 15-OSU-07 | 0.00 | 0.00 | 40.16 | Walvis Ridge\MV1203 (13-INT-04) | 16D10626 | 01 |
| 16D10648 | 2.9 % | Susan Schnur | 15-OSU-07 | 0.00 | 0.00 | 40.16 | Walvis Ridge\MV1203 (13-INT-04) | 16D10626 | 01 |
| 16D10649 | 3.0 % | Susan Schnur | 15-OSU-07 | 0.00 | 0.00 | 40.16 | Walvis Ridge\MV1203 (13-INT-04) | 16D10626 | 01 |
| 16D10651 | 3.2 % | Susan Schnur | 15-OSU-07 | 0.00 | 0.00 | 40.16 | Walvis Ridge\MV1203 (13-INT-04) | 16D10626 | 01 |
| 16D10652 | 3.4 % | Susan Schnur | 15-OSU-07 | 0.00 | 0.00 | 40.16 | Walvis Ridge\MV1203 (13-INT-04) | 16D10626 | 01 |
| 16D10653 | 3.6 % | Susan Schnur | 15-OSU-07 | 0.00 | 0.00 | 40.16 | Walvis Ridge\MV1203 (13-INT-04) | 16D10626 | 01 |
| 16D10655 | 3.8 % | Susan Schnur | 15-OSU-07 | 0.00 | 0.00 | 40.16 | Walvis Ridge\MV1203 (13-INT-04) | 16D10626 | 01 |
| 16D10656 | 4.0 % | Susan Schnur | 15-OSU-07 | 0.00 | 0.00 | 40.16 | Walvis Ridge\MV1203 (13-INT-04) | 16D10626 | 01 |
| 16D10657 | 4.3 % | Susan Schnur | 15-OSU-07 | 0.00 | 0.00 | 40.16 | Walvis Ridge\MV1203 (13-INT-04) | 16D10626 | 01 |
| 16D10659 | 4.6 % | Susan Schnur | 15-OSU-07 | 0.00 | 0.00 | 40.16 | Walvis Ridge\MV1203 (13-INT-04) | 16D10626 | 01 |
| 16D10660 | 4.9 % | Susan Schnur | 15-OSU-07 | 0.00 | 0.00 | 40.16 | Walvis Ridge\MV1203 (13-INT-04) | 16D10626 | 01 |
| 16D10661 | 5.2 % | Susan Schnur | 15-OSU-07 | 0.00 | 0.00 | 40.16 | Walvis Ridge\MV1203 (13-INT-04) | 16D10626 | 01 |
| 16D10663 | 5.5 % | Susan Schnur | 15-OSU-07 | 0.00 | 0.00 | 40.16 | Walvis Ridge\MV1203 (13-INT-04) | 16D10626 | 01 |
| 16D10664 | 5.8 % | Susan Schnur | 15-OSU-07 | 0.00 | 0.00 | 40.16 | Walvis Ridge\MV1203 (13-INT-04) | 16D10626 | 01 |
| 16D10665 | 6.2 % | Susan Schnur | 15-OSU-07 | 0.00 | 0.00 | 40.16 | Walvis Ridge\MV1203 (13-INT-04) | 16D10626 | 01 |
| 16D10667 | 6.6 % | Susan Schnur | 15-OSU-07 | 0.00 | 0.00 | 40.16 | Walvis Ridge\MV1203 (13-INT-04) | 16D10626 | 01 |
| 16D10668 | 7.0 % | Susan Schnur | 15-OSU-07 | 0.00 | 0.00 | 40.16 | Walvis Ridge\MV1203 (13-INT-04) | 16D10626 | 01 |
| 16D10669 | 7.6 % | Susan Schnur | 15-OSU-07 | 0.00 | 0.00 | 40.16 | Walvis Ridge\MV1203 (13-INT-04) | 16D10626 | 01 |
| 16D10671 | 8.3 % | Susan Schnur | 15-OSU-07 | 0.00 | 0.00 | 40.16 | Walvis Ridge\MV1203 (13-INT-04) | 16D10626 | 01 |
| 16D10672 | 9.0 % | Susan Schnur | 15-OSU-07 | 0.00 | 0.00 | 40.16 | Walvis Ridge\MV1203 (13-INT-04) | 16D10626 | 01 |
| 16D10673 | 9.8 % | Susan Schnur | 15-OSU-07 | 0.00 | 0.00 | 40.16 | Walvis Ridge\MV1203 (13-INT-04) | 16D10626 | 01 |
| 16D10675 | 11.0 % | Susan Schnur | 15-OSU-07 | 0.00 | 0.00 | 40.16 | Walvis Ridge\MV1203 (13-INT-04) | 16D10626 | 01 |
| 16D10676 | 13.0 % | Susan Schnur | 15-OSU-07 | 0.00 | 0.00 | 40.16 | Walvis Ridge\MV1203 (13-INT-04) | 16D10626 | 01 |
| 16D10677 | 15.5 % | Susan Schnur | 15-OSU-07 | 0.00 | 0.00 | 40.16 | Walvis Ridge\MV1203 (13-INT-04) | 16D10626 | 01 |
| 16D10679 | 18.5 % | Susan Schnur | 15-OSU-07 | 0.00 | 0.00 | 40.16 | Walvis Ridge\MV1203 (13-INT-04) | 16D10626 | 01 |
| 16D10680 | 21.5 % | Susan Schnur | 15-OSU-07 | 0.00 | 0.00 | 40.16 | Walvis Ridge\MV1203 (13-INT-04) | 16D10626 | 01 |
| 16D10682 | 24.5 % | Susan Schnur | 15-OSU-07 | 0.00 | 0.00 | 40.16 | Walvis Ridge\MV1203 (13-INT-04) | 16D10626 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16D10630 | 1.0 % | MV1203-D14-06 | Groundmass | Bottlenose Seamount | FCT-NM (7A23-15) | 28.201 | 0.082 | Kuiper et al (2008) | 9.47061 | 0.15 | 0.00165960 | 0.150 | 304.715 | 0.14 | 0.99242989 | 0.067 | 1 | 4.8E-14 | 15 | MAR | 2016 | 0 | 26 | 1 |
| 16D10632 | 1.4 % | MV1203-D14-06 | Groundmass | Bottlenose Seamount | FCT-NM (7A23-15) | 28.201 | 0.082 | Kuiper et al (2008) | 9.47061 | 0.15 | 0.00165960 | 0.150 | 304.715 | 0.14 | 0.99242989 | 0.067 | 1 | 4.8E-14 | 15 | MAR | 2016 | 0 | 47 | 1 |
| 16D10633 | 1.8 % | MV1203-D14-06 | Groundmass | Bottlenose Seamount | FCT-NM (7A23-15) | 28.201 | 0.082 | Kuiper et al (2008) | 9.47061 | 0.15 | 0.00165960 | 0.150 | 304.715 | 0.14 | 0.99242989 | 0.067 | 1 | 4.8E-14 | 15 | MAR | 2016 | 0 | 58 | 1 |
| 16D10635 | 1.9 % | MV1203-D14-06 | Groundmass | Bottlenose Seamount | FCT-NM (7A23-15) | 28.201 | 0.082 | Kuiper et al (2008) | 9.47061 | 0.15 | 0.00165960 | 0.150 | 304.715 | 0.14 | 0.99242989 | 0.067 | 1 | 4.8E-14 | 15 | MAR | 2016 | 1 | 19 | 1 |
| 16D10636 | 2.0 % | MV1203-D14-06 | Groundmass | Bottlenose Seamount | FCT-NM (7A23-15) | 28.201 | 0.082 | Kuiper et al (2008) | 9.47061 | 0.15 | 0.00165960 | 0.150 | 304.715 | 0.14 | 0.99242989 | 0.067 | 1 | 4.8E-14 | 15 | MAR | 2016 | 1 | 30 | 1 |
| 16D10637 | 2.1 % | MV1203-D14-06 | Groundmass | Bottlenose Seamount | FCT-NM (7A23-15) | 28.201 | 0.082 | Kuiper et al (2008) | 9.47061 | 0.15 | 0.00165960 | 0.150 | 304.715 | 0.14 | 0.99242989 | 0.067 | 1 | 4.8E-14 | 15 | MAR | 2016 | 1 | 41 | 1 |
| 16D10639 | 2.2 % | MV1203-D14-06 | Groundmass | Bottlenose Seamount | FCT-NM (7A23-15) | 28.201 | 0.082 | Kuiper et al (2008) | 9.47061 | 0.15 | 0.00165960 | 0.150 | 304.715 | 0.14 | 0.99242989 | 0.067 | 1 | 4.8E-14 | 15 | MAR | 2016 | 2 | 2 | 1 |
| 16D10640 | 2.3 % | MV1203-D14-06 | Groundmass | Bottlenose Seamount | FCT-NM (7A23-15) | 28.201 | 0.082 | Kuiper et al (2008) | 9.47061 | 0.15 | 0.00165960 | 0.150 | 304.715 | 0.14 | 0.99242989 | 0.067 | 1 | 4.8E-14 | 15 | MAR | 2016 | 2 | 13 | 1 |
| 16D10641 | 2.4 % | MV1203-D14-06 | Groundmass | Bottlenose Seamount | FCT-NM (7A23-15) | 28.201 | 0.082 | Kuiper et al (2008) | 9.47061 | 0.15 | 0.00165960 | 0.150 | 304.715 | 0.14 | 0.99242989 | 0.067 | 1 | 4.8E-14 | 15 | MAR | 2016 | 2 | 23 | 1 |
| 16D10643 | 2.5 % | MV1203-D14-06 | Groundmass | Bottlenose Seamount | FCT-NM (7A23-15) | 28.201 | 0.082 | Kuiper et al (2008) | 9.47061 | 0.15 | 0.00165960 | 0.150 | 304.715 | 0.14 | 0.99242989 | 0.067 | 1 | 4.8E-14 | 15 | MAR | 2016 | 2 | 43 | 1 |
| 16D10644 | 2.6 % | MV1203-D14-06 | Groundmass | Bottlenose Seamount | FCT-NM (7A23-15) | 28.201 | 0.082 | Kuiper et al (2008) | 9.47061 | 0.15 | 0.00165960 | 0.150 | 304.715 | 0.14 | 0.99242989 | 0.067 | 1 | 4.8E-14 | 15 | MAR | 2016 | 2 | 53 | 1 |
| 16D10645 | 2.7 % | MV1203-D14-06 | Groundmass | Bottlenose Seamount | FCT-NM (7A23-15) | 28.201 | 0.082 | Kuiper et al (2008) | 9.47061 | 0.15 | 0.00165960 | 0.150 | 304.715 | 0.14 | 0.99242989 | 0.067 | 1 | 4.8E-14 | 15 | MAR | 2016 | 3 | 3 | 1 |
| 16D10647 | 2.8 % | MV1203-D14-06 | Groundmass | Bottlenose Seamount | FCT-NM (7A23-15) | 28.201 | 0.082 | Kuiper et al (2008) | 9.47061 | 0.15 | 0.00165960 | 0.150 | 304.715 | 0.14 | 0.99242989 | 0.067 | 1 | 4.8E-14 | 15 | MAR | 2016 | 3 | 23 | 1 |
| 16D10648 | 2.9 % | MV1203-D14-06 | Groundmass | Bottlenose Seamount | FCT-NM (7A23-15) | 28.201 | 0.082 | Kuiper et al (2008) | 9.47061 | 0.15 | 0.00165960 | 0.150 | 304.715 | 0.14 | 0.99242989 | 0.067 | 1 | 4.8E-14 | 15 | MAR | 2016 | 3 | 33 | 1 |
| 16D10649 | 3.0 % | MV1203-D14-06 | Groundmass | Bottlenose Seamount | FCT-NM (7A23-15) | 28.201 | 0.082 | Kuiper et al (2008) | 9.47061 | 0.15 | 0.00165960 | 0.150 | 304.715 | 0.14 | 0.99242989 | 0.067 | 1 | 4.8E-14 | 15 | MAR | 2016 | 3 | 43 | 1 |
| 16D10651 | 3.2 % | MV1203-D14-06 | Groundmass | Bottlenose Seamount | FCT-NM (7A23-15) | 28.201 | 0.082 | Kuiper et al (2008) | 9.47061 | 0.15 | 0.00165960 | 0.150 | 304.715 | 0.14 | 0.99242989 | 0.067 | 1 | 4.8E-14 | 15 | MAR | 2016 | 4 | 3 | 1 |
| 16D10652 | 3.4 % | MV1203-D14-06 | Groundmass | Bottlenose Seamount | FCT-NM (7A23-15) | 28.201 | 0.082 | Kuiper et al (2008) | 9.47061 | 0.15 | 0.00165960 | 0.150 | 304.715 | 0.14 | 0.99242989 | 0.067 | 1 | 4.8E-14 | 15 | MAR | 2016 | 4 | 13 | 1 |
| 16D10653 | 3.6 % | MV1203-D14-06 | Groundmass | Bottlenose Seamount | FCT-NM (7A23-15) | 28.201 | 0.082 | Kuiper et al (2008) | 9.47061 | 0.15 | 0.00165960 | 0.150 | 304.715 | 0.14 | 0.99242989 | 0.067 | 1 | 4.8E-14 | 15 | MAR | 2016 | 4 | 23 | 1 |
| 16D10655 | 3.8 % | MV1203-D14-06 | Groundmass | Bottlenose Seamount | FCT-NM (7A23-15) | 28.201 | 0.082 | Kuiper et al (2008) | 9.47061 | 0.15 | 0.00165960 | 0.150 | 304.715 | 0.14 | 0.99242989 | 0.067 | 1 | 4.8E-14 | 15 | MAR | 2016 | 4 | 43 | 1 |
| 16D10656 | 4.0 % | MV1203-D14-06 | Groundmass | Bottlenose Seamount | FCT-NM (7A23-15) | 28.201 | 0.082 | Kuiper et al (2008) | 9.47061 | 0.15 | 0.00165960 | 0.150 | 304.715 | 0.14 | 0.99242989 | 0.067 | 1 | 4.8E-14 | 15 | MAR | 2016 | 4 | 53 | 1 |
| 16D10657 | 4.3 % | MV1203-D14-06 | Groundmass | Bottlenose Seamount | FCT-NM (7A23-15) | 28.201 | 0.082 | Kuiper et al (2008) | 9.47061 | 0.15 | 0.00165960 | 0.150 | 304.715 | 0.14 | 0.99242989 | 0.067 | 1 | 4.8E-14 | 15 | MAR | 2016 | 5 | 3 | 1 |
| 16D10659 | 4.6 % | MV1203-D14-06 | Groundmass | Bottlenose Seamount | FCT-NM (7A23-15) | 28.201 | 0.082 | Kuiper et al (2008) | 9.47061 | 0.15 | 0.00165960 | 0.150 | 304.715 | 0.14 | 0.99242989 | 0.067 | 1 | 4.8E-14 | 15 | MAR | 2016 | 5 | 23 | 1 |
| 16D10660 | 4.9 % | MV1203-D14-06 | Groundmass | Bottlenose Seamount | FCT-NM (7A23-15) | 28.201 | 0.082 | Kuiper et al (2008) | 9.47061 | 0.15 | 0.00165960 | 0.150 | 304.715 | 0.14 | 0.99242989 | 0.067 | 1 | 4.8E-14 | 15 | MAR | 2016 | 5 | 33 | 1 |
| 16D10661 | 5.2 % | MV1203-D14-06 | Groundmass | Bottlenose Seamount | FCT-NM (7A23-15) | 28.201 | 0.082 | Kuiper et al (2008) | 9.47061 | 0.15 | 0.00165960 | 0.150 | 304.715 | 0.14 | 0.99242989 | 0.067 | 1 | 4.8E-14 | 15 | MAR | 2016 | 5 | 43 | 1 |
| 16D10663 | 5.5 % | MV1203-D14-06 | Groundmass | Bottlenose Seamount | FCT-NM (7A23-15) | 28.201 | 0.082 | Kuiper et al (2008) | 9.47061 | 0.15 | 0.00165960 | 0.150 | 304.715 | 0.14 | 0.99242989 | 0.067 | 1 | 4.8E-14 | 15 | MAR | 2016 | 6 | 3 | 1 |
| 16D10664 | 5.8 % | MV1203-D14-06 | Groundmass | Bottlenose Seamount | FCT-NM (7A23-15) | 28.201 | 0.082 | Kuiper et al (2008) | 9.47061 | 0.15 | 0.00165960 | 0.150 | 304.715 | 0.14 | 0.99242989 | 0.067 | 1 | 4.8E-14 | 15 | MAR | 2016 | 6 | 13 | 1 |
| 16D10665 | 6.2 % | MV1203-D14-06 | Groundmass | Bottlenose Seamount | FCT-NM (7A23-15) | 28.201 | 0.082 | Kuiper et al (2008) | 9.47061 | 0.15 | 0.00165960 | 0.150 | 304.715 | 0.14 | 0.99242989 | 0.067 | 1 | 4.8E-14 | 15 | MAR | 2016 | 6 | 23 | 1 |
| 16D10667 | 6.6 % | MV1203-D14-06 | Groundmass | Bottlenose Seamount | FCT-NM (7A23-15) | 28.201 | 0.082 | Kuiper et al (2008) | 9.47061 | 0.15 | 0.00165960 | 0.150 | 304.715 | 0.14 | 0.99242989 | 0.067 | 1 | 4.8E-14 | 15 | MAR | 2016 | 6 | 43 | 1 |
| 16D10668 | 7.0 % | MV1203-D14-06 | Groundmass | Bottlenose Seamount | FCT-NM (7A23-15) | 28.201 | 0.082 | Kuiper et al (2008) | 9.47061 | 0.15 | 0.00165960 | 0.150 | 304.715 | 0.14 | 0.99242989 | 0.067 | 1 | 4.8E-14 | 15 | MAR | 2016 | 6 | 53 | 1 |
| 16D10669 | 7.6 % | MV1203-D14-06 | Groundmass | Bottlenose Seamount | FCT-NM (7A23-15) | 28.201 | 0.082 | Kuiper et al (2008) | 9.47061 | 0.15 | 0.00165960 | 0.150 | 304.715 | 0.14 | 0.99242989 | 0.067 | 1 | 4.8E-14 | 15 | MAR | 2016 | 7 | 3 | 1 |
| 16D10671 | 8.3 % | MV1203-D14-06 | Groundmass | Bottlenose Seamount | FCT-NM (7A23-15) | 28.201 | 0.082 | Kuiper et al (2008) | 9.47061 | 0.15 | 0.00165960 | 0.150 | 304.715 | 0.14 | 0.99242989 | 0.067 | 1 | 4.8E-14 | 15 | MAR | 2016 | 7 | 23 | 1 |
| 16D10672 | 9.0 % | MV1203-D14-06 | Groundmass | Bottlenose Seamount | FCT-NM (7A23-15) | 28.201 | 0.082 | Kuiper et al (2008) | 9.47061 | 0.15 | 0.00165960 | 0.150 | 304.715 | 0.14 | 0.99242989 | 0.067 | 1 | 4.8E-14 | 15 | MAR | 2016 | 7 | 33 | 1 |
| 16D10673 | 9.8 % | MV1203-D14-06 | Groundmass | Bottlenose Seamount | FCT-NM (7A23-15) | 28.201 | 0.082 | Kuiper et al (2008) | 9.47061 | 0.15 | 0.00165960 | 0.150 | 304.715 | 0.14 | 0.99242989 | 0.067 | 1 | 4.8E-14 | 15 | MAR | 2016 | 7 | 43 | 1 |
| 16D10675 | 11.0 % | MV1203-D14-06 | Groundmass | Bottlenose Seamount | FCT-NM (7A23-15) | 28.201 | 0.082 | Kuiper et al (2008) | 9.47061 | 0.15 | 0.00165960 | 0.150 | 304.715 | 0.14 | 0.99242989 | 0.067 | 1 | 4.8E-14 | 15 | MAR | 2016 | 8 | 3 | 1 |
| 16D10676 | 13.0 % | MV1203-D14-06 | Groundmass | Bottlenose Seamount | FCT-NM (7A23-15) | 28.201 | 0.082 | Kuiper et al (2008) | 9.47061 | 0.15 | 0.00165960 | 0.150 | 304.715 | 0.14 | 0.99242989 | 0.067 | 1 | 4.8E-14 | 15 | MAR | 2016 | 8 | 13 | 1 |
| 16D10677 | 15.5 % | MV1203-D14-06 | Groundmass | Bottlenose Seamount | FCT-NM (7A23-15) | 28.201 | 0.082 | Kuiper et al (2008) | 9.47061 | 0.15 | 0.00165960 | 0.150 | 304.715 | 0.14 | 0.99242989 | 0.067 | 1 | 4.8E-14 | 15 | MAR | 2016 | 8 | 23 | 1 |
| 16D10679 | 18.5 % | MV1203-D14-06 | Groundmass | Bottlenose Seamount | FCT-NM (7A23-15) | 28.201 | 0.082 | Kuiper et al (2008) | 9.47061 | 0.15 | 0.00165960 | 0.150 | 304.715 | 0.14 | 0.99242989 | 0.067 | 1 | 4.8E-14 | 15 | MAR | 2016 | 8 | 43 | 1 |
| 16D10680 | 21.5 % | MV1203-D14-06 | Groundmass | Bottlenose Seamount | FCT-NM (7A23-15) | 28.201 | 0.082 | Kuiper et al (2008) | 9.47061 | 0.15 | 0.00165960 | 0.150 | 304.715 | 0.14 | 0.99242989 | 0.067 | 1 | 4.8E-14 | 15 | MAR | 2016 | 8 | 53 | 1 |
| 16D10682 | 24.5 % | MV1203-D14-06 | Groundmass | Bottlenose Seamount | FCT-NM (7A23-15) | 28.201 | 0.082 | Kuiper et al (2008) | 9.47061 | 0.15 | 0.00165960 | 0.150 | 304.715 | 0.14 | 0.99242989 | 0.067 | 1 | 4.8E-14 | 15 | MAR | 2016 | 9 | 13 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16D10630 | 1.0 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006756 | 1.32 | 0.0000718 | 12.82 | 0.0002663 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 16D10632 | 1.4 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006756 | 1.32 | 0.0000718 | 12.82 | 0.0002663 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 16D10633 | 1.8 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006756 | 1.32 | 0.0000718 | 12.82 | 0.0002663 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 16D10635 | 1.9 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006756 | 1.32 | 0.0000718 | 12.82 | 0.0002663 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 16D10636 | 2.0 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006756 | 1.32 | 0.0000718 | 12.82 | 0.0002663 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 16D10637 | 2.1 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006756 | 1.32 | 0.0000718 | 12.82 | 0.0002663 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 16D10639 | 2.2 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006756 | 1.32 | 0.0000718 | 12.82 | 0.0002663 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 16D10640 | 2.3 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006756 | 1.32 | 0.0000718 | 12.82 | 0.0002663 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 16D10641 | 2.4 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006756 | 1.32 | 0.0000718 | 12.82 | 0.0002663 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 16D10643 | 2.5 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006756 | 1.32 | 0.0000718 | 12.82 | 0.0002663 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 16D10644 | 2.6 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006756 | 1.32 | 0.0000718 | 12.82 | 0.0002663 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 16D10645 | 2.7 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006756 | 1.32 | 0.0000718 | 12.82 | 0.0002663 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 16D10647 | 2.8 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006756 | 1.32 | 0.0000718 | 12.82 | 0.0002663 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 16D10648 | 2.9 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006756 | 1.32 | 0.0000718 | 12.82 | 0.0002663 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 16D10649 | 3.0 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006756 | 1.32 | 0.0000718 | 12.82 | 0.0002663 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 16D10651 | 3.2 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006756 | 1.32 | 0.0000718 | 12.82 | 0.0002663 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 16D10652 | 3.4 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006756 | 1.32 | 0.0000718 | 12.82 | 0.0002663 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 16D10653 | 3.6 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006756 | 1.32 | 0.0000718 | 12.82 | 0.0002663 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 16D10655 | 3.8 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006756 | 1.32 | 0.0000718 | 12.82 | 0.0002663 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 16D10656 | 4.0 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006756 | 1.32 | 0.0000718 | 12.82 | 0.0002663 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 16D10657 | 4.3 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006756 | 1.32 | 0.0000718 | 12.82 | 0.0002663 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 16D10659 | 4.6 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006756 | 1.32 | 0.0000718 | 12.82 | 0.0002663 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 16D10660 | 4.9 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006756 | 1.32 | 0.0000718 | 12.82 | 0.0002663 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 16D10661 | 5.2 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006756 | 1.32 | 0.0000718 | 12.82 | 0.0002663 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 16D10663 | 5.5 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006756 | 1.32 | 0.0000718 | 12.82 | 0.0002663 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 16D10664 | 5.8 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006756 | 1.32 | 0.0000718 | 12.82 | 0.0002663 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 16D10665 | 6.2 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006756 | 1.32 | 0.0000718 | 12.82 | 0.0002663 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 16D10667 | 6.6 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006756 | 1.32 | 0.0000718 | 12.82 | 0.0002663 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 16D10668 | 7.0 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006756 | 1.32 | 0.0000718 | 12.82 | 0.0002663 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 16D10669 | 7.6 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006756 | 1.32 | 0.0000718 | 12.82 | 0.0002663 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 16D10671 | 8.3 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006756 | 1.32 | 0.0000718 | 12.82 | 0.0002663 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 16D10672 | 9.0 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006756 | 1.32 | 0.0000718 | 12.82 | 0.0002663 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 16D10673 | 9.8 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006756 | 1.32 | 0.0000718 | 12.82 | 0.0002663 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 16D10675 | 11.0 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006756 | 1.32 | 0.0000718 | 12.82 | 0.0002663 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 16D10676 | 13.0 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006756 | 1.32 | 0.0000718 | 12.82 | 0.0002663 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 16D10677 | 15.5 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006756 | 1.32 | 0.0000718 | 12.82 | 0.0002663 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 16D10679 | 18.5 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006756 | 1.32 | 0.0000718 | 12.82 | 0.0002663 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 16D10680 | 21.5 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006756 | 1.32 | 0.0000718 | 12.82 | 0.0002663 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |
| 16D10682 | 24.5 % | 295.5 | 0 | 0.018 | 35 | 0.1869 | 0 | 1.493 | 3 | 0.0006756 | 1.32 | 0.0000718 | 12.82 | 0.0002663 | 0.15 | 0.003823 | 2.66 | 0.012031 | 0.16 | 0 | 0 | 0.43 | 0 | 0 | 0 | 0 | 0 |

# 16D10626.AGE >>> MV1203-D14-06 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT




## Ar-Ages in Ma

**WEIGHTED PLATEAU**
**57.41 ± 0.66**
**TOTAL FUSION**
**52.15 ± 0.34**
**NORMAL ISOCHRON**
**57.65 ± 1.80**
**INVERSE ISOCHRON**
**57.97 ± 1.84**

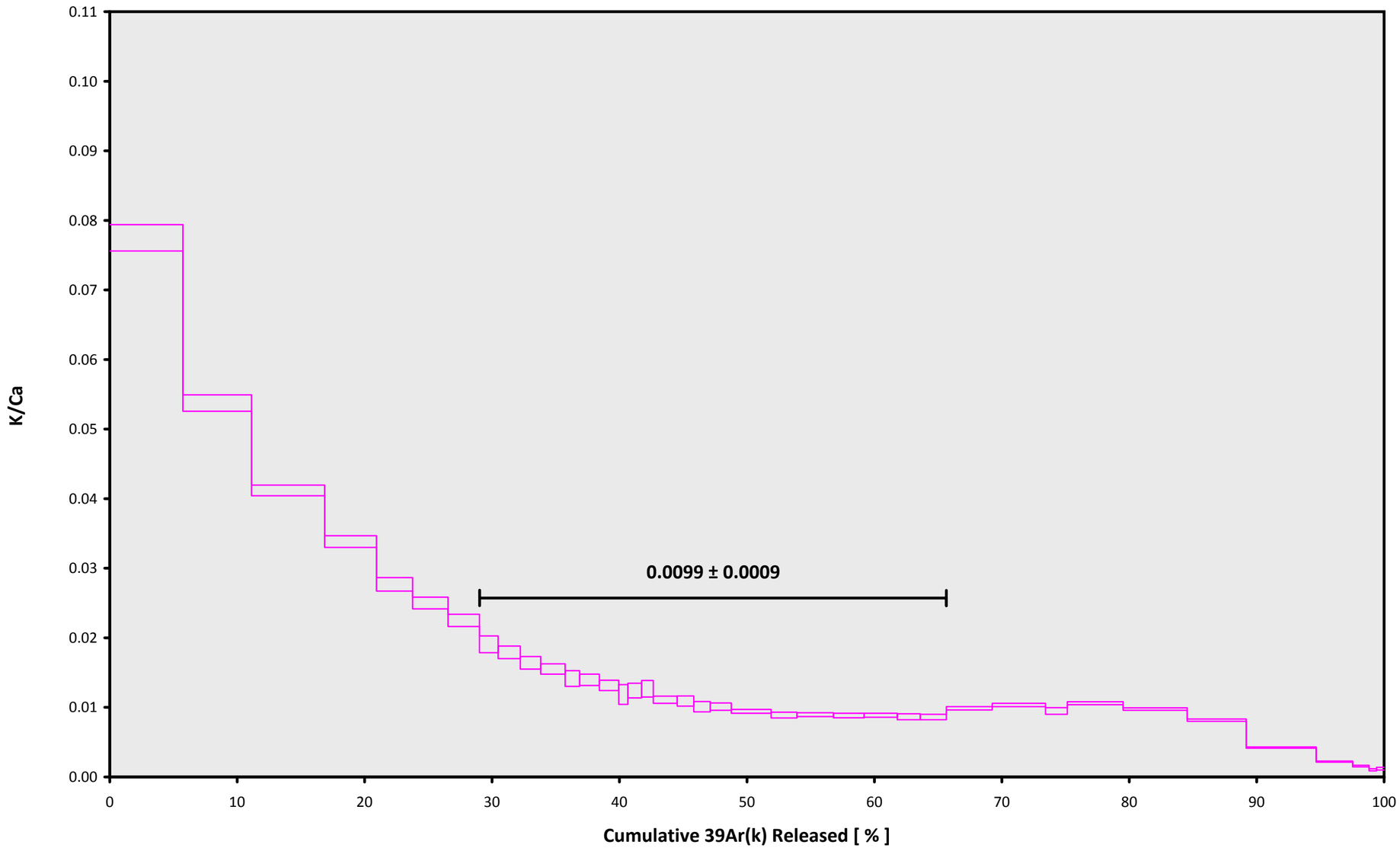
**MSWD (PROBABILITY)**
**1.13 (31%)**

## Sample Info

**Groundmass**
**Bottlenose Seamount**
**Susan Schnur**

**IRR = 15-OSU-07 (7A23-15)**
**J = 0.00165960 ± 0.00000249**

# 16D10626.AGE >>> MV1203-D14-06 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT




## Ar-Ages in Ma

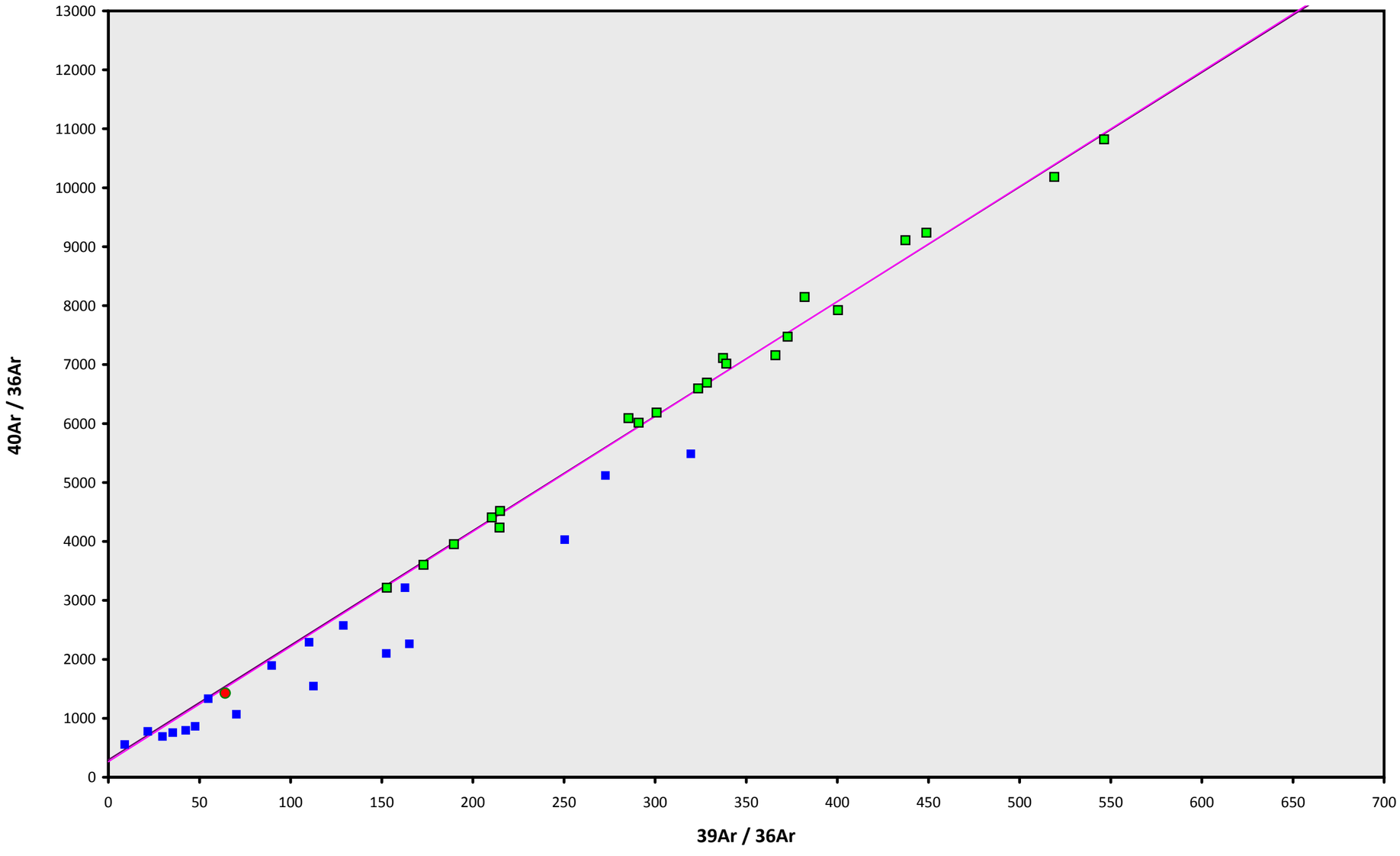
**WEIGHTED PLATEAU**
**57.41 ± 0.66**
**TOTAL FUSION**
**52.15 ± 0.34**
**NORMAL ISOCHRON**
**57.65 ± 1.80**
**INVERSE ISOCHRON**
**57.97 ± 1.84**

## Sample Info

**Groundmass**
**Bottlenose Seamount**
**Susan Schnur**

**IRR = 15-OSU-07 (7A23-15)**
**J = 0.00165960 ± 0.00000249**

# 16D10626.AGE >>> MV1203-D14-06 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT




## Ar-Ages in Ma

**WEIGHTED PLATEAU**
**57.41 ± 0.66**
**TOTAL FUSION**
**52.15 ± 0.34**
**NORMAL ISOCHRON**
**57.65 ± 1.80**
**INVERSE ISOCHRON**
**57.97 ± 1.84**

**MSWD (PROBABILITY)**
**1.13 (31%)**

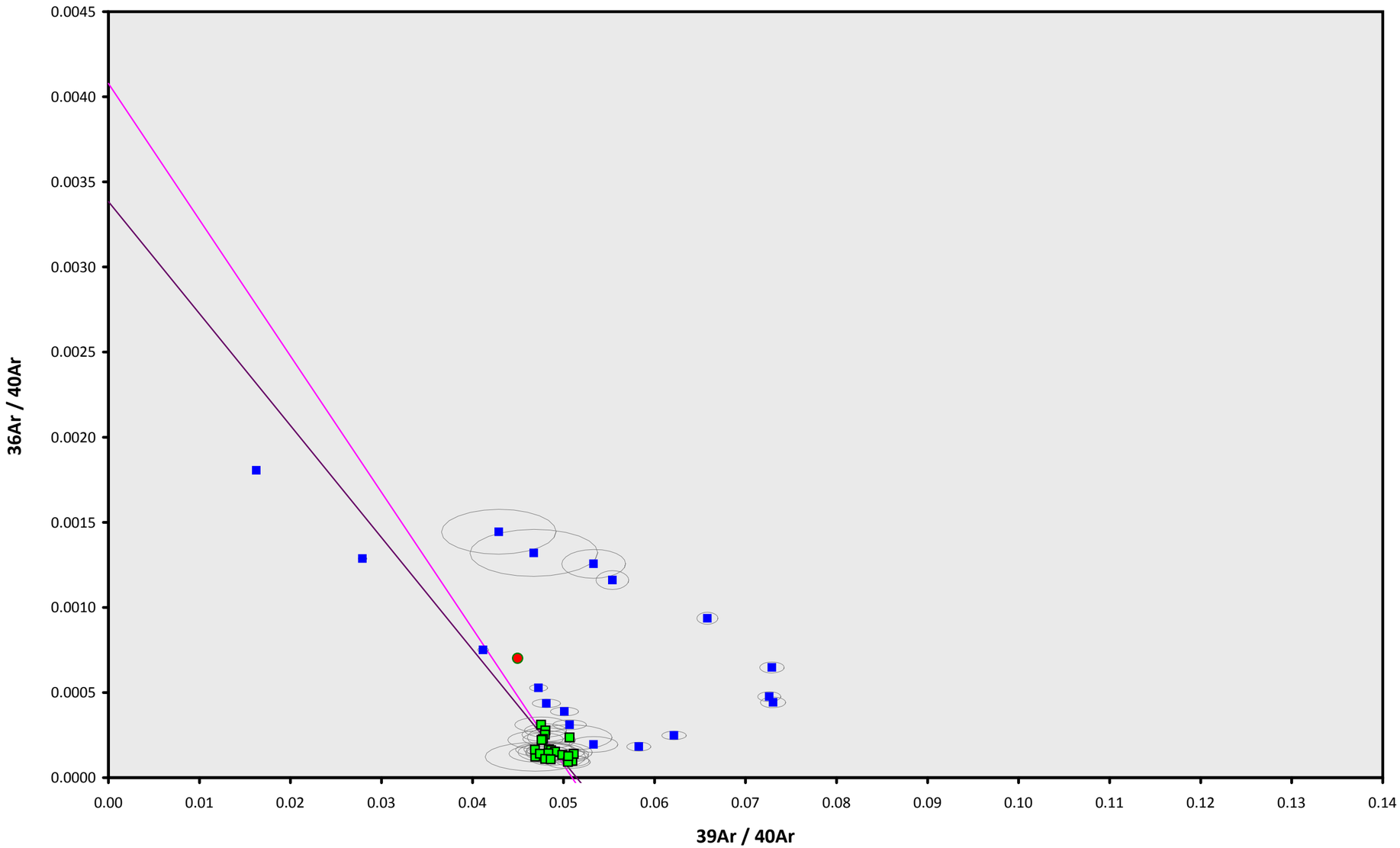
**40AR/36AR INTERCEPT**
**263.9 ± 183.0**

## Sample Info

**Groundmass**
**Bottlenose Seamount**
**Susan Schnur**

**IRR = 15-OSU-07 (7A23-15)**
**J = 0.00165960 ± 0.00000249**

# 16D10626.AGE >>> MV1203-D14-06 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT




## Ar-Ages in Ma

**WEIGHTED PLATEAU**
**57.41 ± 0.66**
**TOTAL FUSION**
**52.15 ± 0.34**
**NORMAL ISOCHRON**
**57.65 ± 1.80**
**INVERSE ISOCHRON**
**57.97 ± 1.84**

**MSWD (PROBABILITY)**
**1.19 (26%)**

**SPREADING FACTOR**
**8.4%**

**40AR/36AR INTERCEPT**
**245.2 ± 97.0**

## Sample Info

**Groundmass**
**Bottlenose Seamount**
**Susan Schnur**

**IRR = 15-OSU-07 (7A23-15)**
**J = 0.00165960 ± 0.00000249**