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
16D16099	1.0 %		0.0016324	17.432	0.204568	164.504	0.000555	4337.705	1.6318	1.593	20.819	0.161	12.44820 ± 0.41321	38.79 ± 1.27	97.58	0.06	3.4 ± 11.3
16D16101	1.4 %		0.0069885	4.694	0.236185	139.397	0.165565	14.483	11.2701	0.234	137.725	0.026	12.03163 ± 0.05949	37.50 ± 0.18	98.46	0.43	20.5 ± 57.2
16D16102	1.8 %		0.0015038	18.809	0.066445	500.691	0.086721	26.749	8.2618	0.326	97.225	0.036	11.70975 ± 0.07960	36.51 ± 0.25	99.51	0.31	53.5 ± 535.4
16D16104	2.0 %		0.0028502	10.231	0.207152	170.367	0.195222	12.219	18.7964	0.154	222.905	0.018	11.80930 ± 0.03780	36.82 ± 0.12	99.58	0.71	39.0 ± 132.9
16D16105	2.4 %	✓	0.0031227	9.211	0.503851	67.214	0.224835	11.039	19.2610	0.154	226.817	0.016	11.72650 ± 0.03754	36.56 ± 0.12	99.58	0.73	16.4 ± 22.1
16D16106	2.8 %	✓	0.0035458	8.474	0.376506	87.367	0.276995	8.727	24.0698	0.130	283.098	0.014	11.71555 ± 0.03150	36.53 ± 0.10	99.61	0.91	27.5 ± 48.0
16D16108	3.2 %	✓	0.0023501	12.357	0.437560	72.867	0.264806	9.348	20.9279	0.143	246.490	0.017	11.74290 ± 0.03489	36.61 ± 0.11	99.70	0.79	20.6 ± 30.0
16D16109	3.6 %	✓	0.0132629	2.844	1.486191	22.492	1.053569	2.359	87.2542	0.077	1025.165	0.005	11.70192 ± 0.01830	36.48 ± 0.06	99.60	3.30	25.2 ± 11.4
16D16110	4.0 %	✓	0.0071744	4.368	0.527857	61.489	0.474132	4.795	40.5827	0.098	477.415	0.010	11.70908 ± 0.02353	36.51 ± 0.07	99.53	1.53	33.1 ± 40.7
16D16112	4.5 %	✓	0.0189205	2.154	2.027882	16.924	1.374198	1.822	113.6265	0.075	1336.595	0.005	11.71157 ± 0.01763	36.51 ± 0.05	99.56	4.29	24.1 ± 8.2
16D16113	5.0 %	✓	0.0113020	3.039	1.035817	33.105	0.810621	2.937	67.3957	0.082	792.188	0.007	11.70224 ± 0.01959	36.49 ± 0.06	99.56	2.55	28.0 ± 18.5
16D16114	5.5 %	✓	0.0343194	1.350	3.054872	11.381	2.006631	1.223	164.3586	0.072	1933.665	0.004	11.70101 ± 0.01706	36.48 ± 0.05	99.46	6.21	23.1 ± 5.3
16D16116	6.0 %	✓	0.0143341	2.464	1.584775	22.687	0.908945	2.586	73.9321	0.081	870.549	0.006	11.71573 ± 0.01918	36.53 ± 0.06	99.50	2.79	20.1 ± 9.1
16D16117	6.7 %	✓	0.0166767	2.372	2.338375	14.916	1.335485	1.820	110.2307	0.075	1295.175	0.005	11.70298 ± 0.01770	36.49 ± 0.05	99.60	4.17	20.3 ± 6.0
16D16118	7.4 %	✓	0.0491912	1.033	4.729459	7.028	3.043253	0.816	248.5336	0.071	2924.026	0.003	11.70446 ± 0.01677	36.49 ± 0.05	99.48	9.39	22.6 ± 3.2
16D16120	8.3 %	✓	0.0350436	1.397	3.912590	8.873	2.271024	1.049	189.5816	0.072	2231.834	0.003	11.71576 ± 0.01698	36.53 ± 0.05	99.52	7.16	20.8 ± 3.7
16D16121	9.5 %	✓	0.0405809	1.256	3.491418	9.971	2.471470	0.977	201.4825	0.072	2373.422	0.004	11.71796 ± 0.01693	36.53 ± 0.05	99.47	7.61	24.8 ± 4.9
16D16122	11.0 %	✓	0.0565953	1.008	5.830375	5.817	3.835180	0.644	314.5199	0.071	3701.788	0.003	11.71426 ± 0.01665	36.52 ± 0.05	99.53	11.89	23.2 ± 2.7
16D16124	13.0 %		0.0527264	1.066	4.481044	7.138	3.180319	0.723	261.0307	0.071	3065.811	0.003	11.68300 ± 0.01665	36.43 ± 0.05	99.47	9.86	25.0 ± 3.6
16D16125	15.5 %		0.0436642	1.243	4.131690	7.973	2.921687	0.825	242.0980	0.071	2851.019	0.003	11.72066 ± 0.01676	36.54 ± 0.05	99.53	9.15	25.2 ± 4.0
16D16127	18.5 %		0.0466616	1.129	2.733753	12.443	1.897049	1.284	155.9123	0.073	1843.211	0.004	11.73136 ± 0.01728	36.58 ± 0.05	99.23	5.89	24.5 ± 6.1
16D16128	21.5 %		0.0241751	1.874	2.742529	11.893	1.676442	1.387	138.3253	0.074	1631.995	0.004	11.74449 ± 0.01747	36.62 ± 0.05	99.54	5.23	21.7 ± 5.2
16D16130	23.0 %		0.0322043	1.471	2.102164	16.286	1.650620	1.470	132.9625	0.074	1574.276	0.004	11.76600 ± 0.01755	36.68 ± 0.05	99.37	5.02	27.2 ± 8.9
		Σ	0.5188261	0.387	46.814360	3.460	32.125326	0.360	2646.0457	0.019	31163.212	0.001					

Information on Analysis and Constants Used in Calculations

Project = **MV1203 (13-INT-04)**
Sample = **MV1203-D24-02**
Material = **K-Feldspar**
Location = **Coleridge Guyot**
Region = **Walvis Ridge**
Analyst = **Susan Schnur**
Irradiation = **15-OSU-07 (7B8-15)**
Position = **X: 0 | Y: 0 | Z/H: 14.5 mm**
FCT-NM Age = **28.201 ± 0.023 Ma**
FCT-NM Reference = **Kuiper et al (2008)**
FCT-NM 40Ar/39Ar Ratio = **9.02424 ± 0.01290**
FCT-NM J-value = **0.00174169 ± 0.00000249**
Air Shot 40Ar/36Ar = **304.4970 ± 0.4872**
Air Shot MDF = **0.99260368 ± 0.00069466 (LIN)**
Experiment Type = **Incremental Heating**
Extraction Method = **Bulk Laser Heating**
Heating = **77 sec**
Isolation = **1.50 min**
Instrument = **ARGUS-VI-D**
Preferred Age = **Plateau Age**
Age Classification = **Eruption Age**
IGSN = **IESS10090**
Rock Class = **Igneous>Volcanic>Mafic**
Lithology = **Trachyte**
Lat-Lon = **34°47.9'S - 5°03.8'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		11.71025 ± 0.00523 ± 0.04%	**36.51 ± 0.10 ± 0.29%**	0.77 69%	63.33 14	22.6 ± 1.5
			Full External Error ± 0.83	1.78	2σ Confidence Limit	
			Analytical Error ± 0.02	1.0000	Error Magnification	
Total Fusion Age		11.71705 ± 0.00458 ± 0.04%	**36.53 ± 0.10 ± 0.29%**		23	24.3 ± 1.7
			Full External Error ± 0.83			
			Analytical Error ± 0.01			
Normal Isochron	28.11 **± 263.70 ########**	11.76700 ± 0.04600 ± 0.39%	**36.69 ± 0.18 ± 0.48%**	1.21 27%	63.33 14	
			Full External Error ± 0.84	1.82	2σ Confidence Limit	
			Analytical Error ± 0.14	1.1001	Error Magnification	
				1	Number of Iterations	
				0.0000142768	Convergence	
Inverse Isochron Clustered Points	**239.57 ± 130.50 ± 54.47%**	11.71997 ± 0.04199 ± 0.36%	**36.54 ± 0.17 ± 0.45%**	0.82 63%	63.33 14	
			Full External Error ± 0.84	1.82	2σ Confidence Limit	
			Analytical Error ± 0.13	1.0000	Error Magnification	
Notes				6	Number of Iterations	
High-T blip (excluded) but otherwise plateau is Good.				0.0000527728	Convergence	
				0%	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
16D16099	1.0 %		0.0016868	0.204568	0.0000000	1.6319	20.314	38.79 ± 1.27	97.58	0.06	3.4 ± 11.3
16D16101	1.4 %		0.0070454	0.236185	0.0286726	11.2703	135.600	37.50 ± 0.18	98.46	0.43	20.5 ± 57.2
16D16102	1.8 %		0.0015215	0.066445	0.0000000	8.2618	96.744	36.51 ± 0.25	99.51	0.31	53.5 ± 535.4
16D16104	2.0 %		0.0029053	0.207152	0.0000000	18.7966	221.975	36.82 ± 0.12	99.58	0.71	39.0 ± 132.9
16D16105	2.4 %	✓	0.0029885	0.503851	0.0000000	19.2607	225.861	36.56 ± 0.12	99.58	0.73	16.4 ± 22.1
16D16106	2.8 %	✓	0.0034456	0.376506	0.0000000	24.0696	281.988	36.53 ± 0.10	99.61	0.91	27.5 ± 48.0
16D16108	3.2 %	✓	0.0022310	0.437560	0.0125771	20.9276	245.751	36.61 ± 0.11	99.70	0.79	20.6 ± 30.0
16D16109	3.6 %	✓	0.0128668	1.486191	0.0013150	87.2531	1021.029	36.48 ± 0.06	99.60	3.30	25.2 ± 11.4
16D16110	4.0 %	✓	0.0070338	0.527857	0.0000000	40.5823	475.182	36.51 ± 0.07	99.53	1.53	33.1 ± 40.7
16D16112	4.5 %	✓	0.0183797	2.027882	0.0035930	113.6251	1330.729	36.51 ± 0.05	99.56	4.29	24.1 ± 8.2
16D16113	5.0 %	✓	0.0110262	1.035817	0.0000000	67.3950	788.672	36.49 ± 0.06	99.56	2.55	28.0 ± 18.5
16D16114	5.5 %	✓	0.0335011	3.054872	0.0227773	164.3565	1923.137	36.48 ± 0.05	99.46	6.21	23.1 ± 5.3
16D16116	6.0 %	✓	0.0139086	1.584775	0.0167677	73.9310	866.156	36.53 ± 0.06	99.50	2.79	20.1 ± 9.1
16D16117	6.7 %	✓	0.0160527	2.338375	0.0061503	110.2291	1290.010	36.49 ± 0.05	99.60	4.17	20.3 ± 6.0
16D16118	7.4 %	✓	0.0479225	4.729459	0.0438875	248.5304	2908.915	36.49 ± 0.05	99.48	9.39	22.6 ± 3.2
16D16120	8.3 %	✓	0.0340016	3.912590	0.0000000	189.5789	2221.062	36.53 ± 0.05	99.52	7.16	20.8 ± 3.7
16D16121	9.5 %	✓	0.0396428	3.491418	0.0398025	201.4802	2360.937	36.53 ± 0.05	99.47	7.61	24.8 ± 4.9
16D16122	11.0 %	✓	0.0550342	5.830375	0.0405332	314.5160	3684.323	36.52 ± 0.05	99.53	11.89	23.2 ± 2.7
16D16124	13.0 %		0.0515268	4.481044	0.0299436	261.0276	3049.586	36.43 ± 0.05	99.47	9.86	25.0 ± 3.6
16D16125	15.5 %		0.0425638	4.131690	0.0007874	242.0953	2837.516	36.54 ± 0.05	99.53	9.15	25.2 ± 4.0
16D16127	18.5 %		0.0459310	2.733753	0.0125090	155.9105	1829.042	36.58 ± 0.05	99.23	5.89	24.5 ± 6.1
16D16128	21.5 %		0.0234432	2.742529	0.0076938	138.3234	1624.539	36.62 ± 0.05	99.54	5.23	21.7 ± 5.2
16D16130	23.0 %		0.0316351	2.102164	0.0449024	132.9610	1564.420	36.68 ± 0.05	99.37	5.02	27.2 ± 8.9
		Σ	0.5062941	46.814360	0.3119123	2646.0141	31003.487				

Information on Analysis

Project = **MV1203 (13-INT-04)**
Sample = **MV1203-D24-02**
Material = **K-Feldspar**
Location = **Coleridge Guyot**
Region = **Walvis Ridge**
Analyst = **Susan Schnur**
Irradiation = **15-OSU-07 (7B8-15)**
J = **0.00174169 ± 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	11.71025	± 0.00523	**36.51**	**± 0.10**	0.77	63.33	22.6 ± 1.5
		± 0.04%		**± 0.29%**	69%	14	
		Full External Error		± 0.83	1.78	2σ Confidence Limit	
		Analytical Error		± 0.02	1.0000	Error Magnification	
Total Fusion Age	11.71705	± 0.00458	**36.53**	**± 0.10**		23	24.3 ± 1.7
		± 0.04%		**± 0.29%**			
		Full External Error		± 0.83			
		Analytical Error		± 0.01			

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
16D16099	1.0 %		967.44 ± 343.58	12338.33 ± 4364.46	0.9959
16D16101	1.4 %		1599.67 ± 154.38	19542.18 ± 1883.79	0.9988
16D16102	1.8 %		5430.02 ± 2115.91	63879.69 ± 24888.54	0.9999
16D16104	2.0 %		6469.69 ± 1364.62	76698.07 ± 16175.79	0.9999
16D16105	2.4 %	✓	6444.94 ± 1300.29	75872.06 ± 15305.67	0.9999
16D16106	2.8 %	✓	6985.63 ± 1269.28	82136.03 ± 14922.46	0.9999
16D16108	3.2 %	✓	9380.57 ± 2544.85	110450.65 ± 29962.48	0.9999
16D16109	3.6 %	✓	6781.25 ± 408.70	79649.08 ± 4798.80	0.9997
16D16110	4.0 %	✓	5769.62 ± 533.42	67852.51 ± 6271.81	0.9998
16D16112	4.5 %	✓	6182.10 ± 281.20	72697.60 ± 3304.96	0.9995
16D16113	5.0 %	✓	6112.26 ± 394.11	71822.60 ± 4629.55	0.9997
16D16114	5.5 %	✓	4906.00 ± 138.59	57700.61 ± 1627.86	0.9987
16D16116	6.0 %	✓	5315.49 ± 279.84	62570.31 ± 3292.51	0.9995
16D16117	6.7 %	✓	6866.72 ± 347.75	80656.64 ± 4082.87	0.9996
16D16118	7.4 %	✓	5186.09 ± 111.87	60995.85 ± 1312.85	0.9978
16D16120	8.3 %	✓	5575.58 ± 163.63	65617.72 ± 1923.38	0.9988
16D16121	9.5 %	✓	5082.39 ± 133.03	59850.71 ± 1564.20	0.9985
16D16122	11.0 %	✓	5714.92 ± 120.26	67241.56 ± 1411.74	0.9977
16D16124	13.0 %		5065.86 ± 112.05	59479.93 ± 1312.91	0.9979
16D16125	15.5 %		5687.82 ± 147.22	66960.55 ± 1730.49	0.9985
16D16127	18.5 %		3394.45 ± 79.18	40117.00 ± 933.95	0.9980
16D16128	21.5 %		5900.37 ± 232.35	69592.36 ± 2738.52	0.9993
16D16130	23.0 %		4202.95 ± 128.34	49747.47 ± 1517.25	0.9988

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	**28.11 ± 263.70 ± 937.98%**	11.76700 ± 0.04600 ± 0.39%	**36.69 ± 0.18 ± 0.48%**	1.21 27%
			Full External Error ± 0.84	
			Analytical Error ± 0.14	

Statistics				
	2σ Confidence Limit	1.82	Convergence	0.000014276787
	Error Magnification	1.1001	Number of Iterations	1
	Number of Data Points	14	Calculated Line	Weighted York-2

Inverse Isochron			39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
16D16099	1.0 %		0.0784089 ± 0.0025115	0.00008105 ± 0.00002867	0.0009
16D16101	1.4 %		0.0818575 ± 0.0003861	0.00005117 ± 0.00000493	0.0006
16D16102	1.8 %		0.0850039 ± 0.0005569	0.00001565 ± 0.00000610	0.0002
16D16104	2.0 %		0.0843527 ± 0.0002611	0.00001304 ± 0.00000275	0.0002
16D16105	2.4 %	✓	0.0849448 ± 0.0002636	0.00001318 ± 0.00000266	0.0002
16D16106	2.8 %	✓	0.0850496 ± 0.0002217	0.00001217 ± 0.00000221	0.0002
16D16108	3.2 %	✓	0.0849300 ± 0.0002446	0.00000905 ± 0.00000246	0.0001
16D16109	3.6 %	✓	0.0851390 ± 0.0001317	0.00001256 ± 0.00000076	0.0001
16D16110	4.0 %	✓	0.0850319 ± 0.0001674	0.00001474 ± 0.00000136	0.0002
16D16112	4.5 %	✓	0.0850385 ± 0.0001271	0.00001376 ± 0.00000063	0.0001
16D16113	5.0 %	✓	0.0851021 ± 0.0001406	0.00001392 ± 0.00000090	0.0002
16D16114	5.5 %	✓	0.0850251 ± 0.0001234	0.00001733 ± 0.00000049	0.0001
16D16116	6.0 %	✓	0.0849522 ± 0.0001375	0.00001598 ± 0.00000084	0.0002
16D16117	6.7 %	✓	0.0851352 ± 0.0001278	0.00001240 ± 0.00000063	0.0001
16D16118	7.4 %	✓	0.0850236 ± 0.0001215	0.00001639 ± 0.00000035	0.0001
16D16120	8.3 %	✓	0.0849707 ± 0.0001226	0.00001524 ± 0.00000045	0.0001
16D16121	9.5 %	✓	0.0849177 ± 0.0001222	0.00001671 ± 0.00000044	0.0001
16D16122	11.0 %	✓	0.0849909 ± 0.0001206	0.00001487 ± 0.00000031	0.0001
16D16124	13.0 %		0.0851692 ± 0.0001210	0.00001681 ± 0.00000037	0.0001
16D16125	15.5 %		0.0849429 ± 0.0001211	0.00001493 ± 0.00000039	0.0001
16D16127	18.5 %		0.0846137 ± 0.0001238	0.00002493 ± 0.00000058	0.0002
16D16128	21.5 %		0.0847847 ± 0.0001253	0.00001437 ± 0.00000057	0.0001
16D16130	23.0 %		0.0844858 ± 0.0001251	0.00002010 ± 0.00000061	0.0002

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	**239.57 ± 130.50**	11.71997 ± 0.04199	**36.54 ± 0.17**	0.82
Clustered Points	**± 54.47%**	± 0.36%	**± 0.45%**	63%
			Full External Error ± 0.84	
			Analytical Error ± 0.13	

Statistics				
	2σ Confidence Limit	1.82	Convergence	0.0000527728
	Error Magnification	1.0000	Number of Iterations	6
	Number of Data Points	14	Calculated Line	Weighted York-2
	Spreading Factor	0.3%		

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
16D16099	1.0 %		0.0016868	17.69	0.0000000	0.00	0.0000545	164.50	0.0000000	0.00	0.204568	164.50	0.0003153	17.69	0.0000000	0.00	0.019634	1.60	0.0000147	165.00	0.0000000	0.00	1.6319	1.59	0.0001382	164.51	20.314	0.46	0.49846	17.69	0.0000000	0.00	0.006239	3.10
16D16101	1.4 %		0.0070454	4.82	0.0000000	0.00	0.0000629	139.40	0.0000060	83.65	0.236185	139.40	0.0013168	4.82	0.0000000	0.00	0.135593	0.28	0.0000170	139.99	0.0286726	83.65	11.2703	0.23	0.0001596	139.40	135.600	0.08	2.08190	4.82	0.0000000	0.00	0.043086	2.67
16D16102	1.8 %		0.0015215	19.48	0.0000000	0.00	0.0000177	500.69	0.0000000	0.00	0.066445	500.69	0.0002844	19.48	0.0000000	0.00	0.099398	0.36	0.0000048	500.86	0.0000000	0.00	8.2618	0.33	0.0000449	500.69	96.744	0.10	0.44961	19.48	0.0000000	0.00	0.031585	2.68
16D16104	2.0 %		0.0029053	10.55	0.0000000	0.00	0.0000552	170.37	0.0000000	0.00	0.207152	170.37	0.0005430	10.55	0.0000000	0.00	0.226142	0.22	0.0000149	170.85	0.0000000	0.00	18.7966	0.15	0.0001400	170.37	221.975	0.04	0.85852	10.55	0.0000000	0.00	0.071859	2.66
16D16105	2.4 %	✓	0.0029885	10.09	0.0000000	0.00	0.0001342	67.21	0.0000000	0.00	0.503851	67.21	0.0005586	10.09	0.0000000	0.00	0.231726	0.22	0.0000362	68.43	0.0000000	0.00	19.2607	0.15	0.0003404	67.23	225.861	0.04	0.88310	10.09	0.0000000	0.00	0.073634	2.66
16D16106	2.8 %	✓	0.0034456	9.08	0.0000000	0.00	0.0001003	87.37	0.0000000	0.00	0.376506	87.37	0.0006440	9.08	0.0000000	0.00	0.289581	0.21	0.0000270	88.30	0.0000000	0.00	24.0696	0.13	0.0002544	87.38	281.988	0.04	1.01817	9.08	0.0000000	0.00	0.092018	2.66
16D16108	3.2 %	✓	0.0022310	13.56	0.0000000	0.00	0.0001165	72.87	0.0000026	196.88	0.437560	72.87	0.0004170	13.56	0.0000000	0.00	0.251780	0.21	0.0000314	73.99	0.0125771	196.88	20.9276	0.14	0.0002956	72.88	245.751	0.04	0.65925	13.56	0.0000000	0.00	0.080006	2.66
16D16109	3.6 %	✓	0.0128668	3.01	0.0000000	0.00	0.0003958	22.49	0.0000003	######	1.486191	22.49	0.0024048	3.01	0.0000000	0.00	1.049743	0.18	0.0001067	25.89	0.0013150	######	87.2531	0.08	0.0010041	22.53	1021.029	0.01	3.80215	3.01	0.0000000	0.00	0.333569	2.66
16D16110	4.0 %	✓	0.0070338	4.62	0.0000000	0.00	0.0001406	61.49	0.0000000	0.00	0.527857	61.49	0.0013146	4.62	0.0000000	0.00	0.488246	0.19	0.0000379	62.81	0.0000000	0.00	40.5823	0.10	0.0003566	61.50	475.182	0.02	2.07849	4.62	0.0000000	0.00	0.155146	2.66
16D16112	4.5 %	✓	0.0183797	2.27	0.0000000	0.00	0.0005400	16.92	0.0000008	700.19	2.027882	16.92	0.0034352	2.27	0.0000000	0.00	1.367024	0.18	0.0001456	21.23	0.0035930	700.19	113.6251	0.07	0.0013700	16.98	1330.729	0.01	5.43120	2.27	0.0000000	0.00	0.434389	2.66
16D16113	5.0 %	✓	0.0110262	3.22	0.0000000	0.00	0.0002758	33.11	0.0000000	0.00	1.035817	33.10	0.0020608	3.22	0.0000000	0.00	0.810829	0.18	0.0000744	35.50	0.0000000	0.00	67.3950	0.08	0.0006998	33.13	788.672	0.02	3.25824	3.22	0.0000000	0.00	0.257651	2.66
16D16114	5.5 %	✓	0.0335011	1.41	0.0000000	0.00	0.0008135	11.38	0.0000048	108.80	3.054872	11.38	0.0062614	1.41	0.0000000	0.00	1.977374	0.18	0.0002193	17.14	0.0227773	108.80	164.3565	0.07	0.0020639	11.46	1923.137	0.01	9.89959	1.41	0.0000000	0.00	0.628335	2.66
16D16116	6.0 %	✓	0.0139086	2.63	0.0000000	0.00	0.0004220	22.69	0.0000035	140.50	1.584775	22.69	0.0025995	2.63	0.0000000	0.00	0.889464	0.18	0.0001138	26.06	0.0167677	140.50	73.9310	0.08	0.0010707	22.73	866.156	0.01	4.10999	2.63	0.0000000	0.00	0.282638	2.66
16D16117	6.7 %	✓	0.0160527	2.53	0.0000000	0.00	0.0006227	14.92	0.0000013	396.97	2.338375	14.92	0.0030002	2.53	0.0000000	0.00	1.326167	0.18	0.0001679	19.67	0.0061503	396.97	110.2291	0.07	0.0015798	14.97	1290.010	0.01	4.74356	2.53	0.0000000	0.00	0.421406	2.66
16D16118	7.4 %	✓	0.0479225	1.08	0.0000000	0.00	0.0012595	7.03	0.0000092	57.84	4.729459	7.03	0.0089567	1.08	0.0000000	0.00	2.990069	0.18	0.0003396	14.62	0.0438875	57.85	248.5304	0.07	0.0031952	7.15	2908.915	0.01	14.16111	1.08	0.0000000	0.00	0.950132	2.66
16D16120	8.3 %	✓	0.0340016	1.47	0.0000000	0.00	0.0010419	8.87	0.0000000	0.00	3.912590	8.87	0.0063549	1.47	0.0000000	0.00	2.280824	0.18	0.0002809	15.59	0.0000000	0.00	189.5789	0.07	0.0026433	8.97	2221.062	0.01	10.04748	1.47	0.0000000	0.00	0.724760	2.66
16D16121	9.5 %	✓	0.0396428	1.31	0.0000000	0.00	0.0009298	9.97	0.0000083	61.60	3.491418	9.97	0.0074092	1.31	0.0000000	0.00	2.424008	0.18	0.0002507	16.24	0.0398025	61.61	201.4802	0.07	0.0023588	10.06	2360.937	0.01	11.71445	1.31	0.0000000	0.00	0.770259	2.66
16D16122	11.0 %	✓	0.0550342	1.05	0.0000000	0.00	0.0015526	5.82	0.0000085	63.14	5.830375	5.82	0.0102859	1.05	0.0000000	0.00	3.783942	0.17	0.0004186	14.08	0.0405332	63.14	314.5160	0.07	0.0039390	5.96	3684.323	0.01	16.26261	1.05	0.0000000	0.00	1.202395	2.66
16D16124	13.0 %		0.0515268	1.10	0.0000000	0.00	0.0011933	7.14	0.0000063	78.95	4.481044	7.14	0.0096304	1.10	0.0000000	0.00	3.140423	0.18	0.0003217	14.67	0.0299436	78.96	261.0276	0.07	0.0030274	7.26	3049.586	0.01	15.22618	1.10	0.0000000	0.00	0.997909	2.66
16D16125	15.5 %		0.0425638	1.29	0.0000000	0.00	0.0011003	7.97	0.0000002	######	4.131690	7.97	0.0079552	1.29	0.0000000	0.00	2.912648	0.18	0.0002967	15.10	0.0007874	######	242.0953	0.07	0.0027914	8.08	2837.516	0.01	12.57759	1.29	0.0000000	0.00	0.925530	2.66
16D16127	18.5 %		0.0459310	1.16	0.0000000	0.00	0.0007280	12.44	0.0000026	196.51	2.733753	12.44	0.0085845	1.16	0.0000000	0.00	1.875759	0.18	0.0001963	17.87	0.0125090	196.51	155.9105	0.07	0.0018469	12.51	1829.042	0.01	13.57261	1.16	0.0000000	0.00	0.596046	2.66
16D16128	21.5 %		0.0234432	1.97	0.0000000	0.00	0.0007303	11.89	0.0000016	304.57	2.742529	11.89	0.0043815	1.97	0.0000000	0.00	1.664169	0.18	0.0001969	17.49	0.0076938	304.57	138.3234	0.07	0.0018529	11.97	1624.539	0.01	6.92746	1.97	0.0000000	0.00	0.528811	2.66
16D16130	23.0 %		0.0316351	1.52	0.0000000	0.00	0.0005598	16.29	0.0000094	54.42	2.102164	16.29	0.0059126	1.52	0.0000000	0.00	1.599654	0.18	0.0001509	20.73	0.0449024	54.43	132.9610	0.07	0.0014202	16.34	1564.420	0.01	9.34818	1.52	0.0000000	0.00	0.508310	2.66
		Σ	0.5062941	0.41	0.0000000	0.00	0.0124667	3.46	0.0000653	30.45	46.814360	3.46	0.0946264	0.41	0.0000000	0.00	31.834196	0.05	0.0033613	4.94	0.3119123	30.46	2646.0141	0.02	0.0316278	3.48	31003.487	0.00	149.60992	0.41	0.0000000	0.00	10.115712	0.71
		Σ							0.5188261	0.40	46.814360	3.46									32.244096	0.30			2646.0457	0.02							31163.212	0.00

Additional Parameters			40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
16D16099	1.0 %		12.758550	0.204345	0.125365	0.206240	0.001000	0.000175	128.862	12.778274	1.00091055	9.993E-13
16D16101	1.4 %		12.220351	0.028818	0.020957	0.029213	0.000620	0.000029	128.874	12.781254	1.00091063	6.611E-12
16D16102	1.8 %		11.768058	0.038550	0.008042	0.040268	0.000182	0.000034	128.879	12.782656	1.00091067	4.667E-12
16D16104	2.0 %		11.858890	0.018351	0.011021	0.018776	0.000152	0.000016	128.891	12.785637	1.00091075	1.070E-11
16D16105	2.4 %	✓	11.775968	0.018267	0.026159	0.017583	0.000162	0.000015	128.897	12.787216	1.00091080	1.089E-11
16D16106	2.8 %	✓	11.761548	0.015331	0.015642	0.013666	0.000147	0.000012	128.903	12.788619	1.00091083	1.359E-11
16D16108	3.2 %	✓	11.778061	0.016963	0.020908	0.015235	0.000112	0.000014	128.915	12.791602	1.00091092	1.183E-11
16D16109	3.6 %	✓	11.749182	0.009090	0.017033	0.003831	0.000152	0.000004	128.921	12.793181	1.00091096	4.921E-11
16D16110	4.0 %	✓	11.764018	0.011578	0.013007	0.007998	0.000177	0.000008	128.927	12.794760	1.00091101	2.292E-11
16D16112	4.5 %	✓	11.763054	0.008787	0.017847	0.003020	0.000167	0.000004	128.939	12.797744	1.00091109	6.416E-11
16D16113	5.0 %	✓	11.754286	0.009711	0.015369	0.005088	0.000168	0.000005	128.944	12.799149	1.00091113	3.803E-11
16D16114	5.5 %	✓	11.764915	0.008534	0.018587	0.002115	0.000209	0.000003	128.951	12.800729	1.00091117	9.282E-11
16D16116	6.0 %	✓	11.774976	0.009525	0.021436	0.004863	0.000194	0.000005	128.962	12.803714	1.00091126	4.179E-11
16D16117	6.7 %	✓	11.749671	0.008816	0.021213	0.003164	0.000151	0.000004	128.968	12.805119	1.00091130	6.217E-11
16D16118	7.4 %	✓	11.765115	0.008404	0.019029	0.001338	0.000198	0.000002	128.974	12.806700	1.00091134	1.404E-10
16D16120	8.3 %	✓	11.772421	0.008495	0.020638	0.001831	0.000185	0.000003	128.986	12.809687	1.00091142	1.071E-10
16D16121	9.5 %	✓	11.779788	0.008473	0.017329	0.001728	0.000201	0.000003	128.992	12.811268	1.00091147	1.139E-10
16D16122	11.0 %	✓	11.769644	0.008348	0.018537	0.001078	0.000180	0.000002	128.998	12.812674	1.00091151	1.777E-10
16D16124	13.0 %		11.745021	0.008346	0.017167	0.001225	0.000202	0.000002	129.010	12.815662	1.00091159	1.472E-10
16D16125	15.5 %		11.776300	0.008391	0.017066	0.001361	0.000180	0.000002	129.016	12.817244	1.00091163	1.368E-10
16D16127	18.5 %		11.822096	0.008645	0.017534	0.002182	0.000299	0.000003	129.028	12.820233	1.00091172	8.847E-11
16D16128	21.5 %		11.798239	0.008720	0.019827	0.002358	0.000175	0.000003	129.033	12.821640	1.00091176	7.834E-11
16D16130	23.0 %		11.840005	0.008764	0.015810	0.002575	0.000242	0.000004	129.045	12.824630	1.00091184	7.557E-11

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
16D16099	1.0 %	0.0063918 ± 0.0001987	0.0063392 ± 0.0181909	0.0333346 ± 0.0166772	0.0261608 ± 0.0200555	1.7058597 ± 0.0266397
16D16101	1.4 %	0.0063071 ± 0.0001987	0.0181034 ± 0.0181909	0.0280092 ± 0.0166772	0.0229404 ± 0.0200555	1.7213870 ± 0.0266397
16D16102	1.8 %	0.0062706 ± 0.0001987	0.0255501 ± 0.0181909	0.0263171 ± 0.0166772	0.0196061 ± 0.0200555	1.7267357 ± 0.0266397
16D16104	2.0 %	0.0062056 ± 0.0001987	0.0344305 ± 0.0181909	0.0241794 ± 0.0166772	0.0100979 ± 0.0200555	1.7364409 ± 0.0266397
16D16105	2.4 %	0.0061798 ± 0.0001987	0.0359977 ± 0.0181909	0.0237383 ± 0.0166772	0.0042973 ± 0.0200555	1.7415915 ± 0.0266397
16D16106	2.8 %	0.0061627 ± 0.0001987	0.0359419 ± 0.0181909	0.0236868 ± 0.0166772	0.0010107 ± 0.0200555	1.7466261 ± 0.0266397
16D16108	3.2 %	0.0061467 ± 0.0001987	0.0323564 ± 0.0181909	0.0244687 ± 0.0166772	0.0119843 ± 0.0200555	1.7598128 ± 0.0266397
16D16109	3.6 %	0.0061499 ± 0.0001987	0.0290846 ± 0.0181909	0.0252858 ± 0.0166772	0.0172589 ± 0.0200555	1.7685907 ± 0.0266397
16D16110	4.0 %	0.0061616 ± 0.0001987	0.0252086 ± 0.0181909	0.0263250 ± 0.0166772	0.0219472 ± 0.0200555	1.7788038 ± 0.0266397
16D16112	4.5 %	0.0062061 ± 0.0001987	0.0170715 ± 0.0181909	0.0287569 ± 0.0166772	0.0287636 ± 0.0200555	1.8021618 ± 0.0266397
16D16113	5.0 %	0.0062368 ± 0.0001987	0.0131973 ± 0.0181909	0.0300598 ± 0.0166772	0.0309094 ± 0.0200555	1.8149248 ± 0.0266397
16D16114	5.5 %	0.0062782 ± 0.0001987	0.0090208 ± 0.0181909	0.0316109 ± 0.0166772	0.0324464 ± 0.0200555	1.8304816 ± 0.0266397
16D16116	6.0 %	0.0063740 ± 0.0001987	0.0021740 ± 0.0181909	0.0347001 ± 0.0166772	0.0327704 ± 0.0200555	1.8625233 ± 0.0266397
16D16117	6.7 %	0.0064256 ± 0.0001987	0.0003836 ± 0.0181909	0.0361932 ± 0.0166772	0.0317886 ± 0.0200555	1.8783073 ± 0.0266397
16D16118	7.4 %	0.0064873 ± 0.0001987	0.0026366 ± 0.0181909	0.0378831 ± 0.0166772	0.0298826 ± 0.0200555	1.8961206 ± 0.0266397
16D16120	8.3 %	0.0066096 ± 0.0001987	0.0048626 ± 0.0181909	0.0410638 ± 0.0166772	0.0243020 ± 0.0200555	1.9281803 ± 0.0266397
16D16121	9.5 %	0.0066745 ± 0.0001987	0.0048934 ± 0.0181909	0.0427276 ± 0.0166772	0.0205465 ± 0.0200555	1.9431957 ± 0.0266397
16D16122	11.0 %	0.0067306 ± 0.0001987	0.0042406 ± 0.0181909	0.0441912 ± 0.0166772	0.0169194 ± 0.0200555	1.9546826 ± 0.0266397
16D16124	13.0 %	0.0068376 ± 0.0001987	0.0007916 ± 0.0181909	0.0472599 ± 0.0166772	0.0089982 ± 0.0200555	1.9706809 ± 0.0266397
16D16125	15.5 %	0.0068837 ± 0.0001987	0.0020861 ± 0.0181909	0.0488724 ± 0.0166772	0.0051297 ± 0.0200555	1.9729306 ± 0.0266397
16D16127	18.5 %	0.0069401 ± 0.0001987	0.0091708 ± 0.0181909	0.0519433 ± 0.0166772	0.0003257 ± 0.0200555	1.9611876 ± 0.0266397
16D16128	21.5 %	0.0069487 ± 0.0001987	0.0130812 ± 0.0181909	0.0534248 ± 0.0166772	0.0015478 ± 0.0200555	1.9467464 ± 0.0266397
16D16130	23.0 %	0.0069170 ± 0.0001987	0.0220403 ± 0.0181909	0.0567365 ± 0.0166772	0.0002140 ± 0.0200555	1.8922871 ± 0.0266397

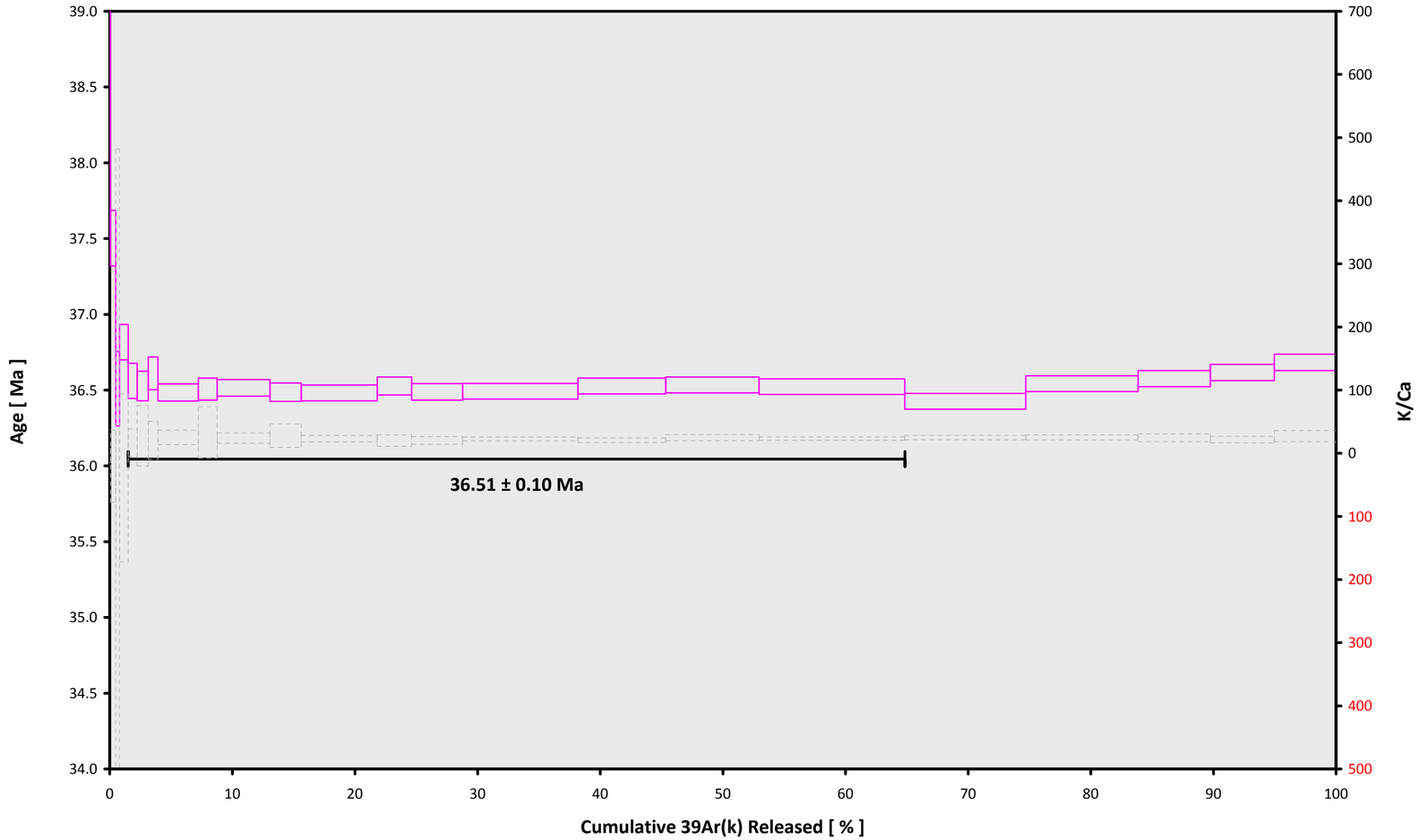
Intercept Values		36Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	37Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	38Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	39Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	40Ar ± 1σ (SE) [fA]	r2	Regression (type,n)
16D16099	1.0 %	0.0079636 ± 0.0001887	0.8428	EXP 150 of 150	0.0219935 ± 0.0182278	0.0162	EXP 150 of 150	0.0327875 ± 0.0168860	0.0101	EXP 150 of 150	1.59210 ± 0.01617	0.1172	EXP 150 of 150	22.5250 ± 0.0205	0.9960	EXP 150 of 150
16D16101	1.4 %	0.0130363 ± 0.0002448	0.8268	EXP 150 of 150	0.0000339 ± 0.0174226	0.0311	EXP 150 of 150	0.1351071 ± 0.0167301	0.0208	EXP 150 of 150	11.15379 ± 0.01493	0.9597	EXP 150 of 150	139.4461 ± 0.0249	0.9875	EXP 150 of 150
16D16102	1.8 %	0.0077187 ± 0.0001863	0.8839	EXP 150 of 150	0.0204672 ± 0.0177980	0.0003	EXP 150 of 150	0.0591214 ± 0.0156256	0.0006	EXP 150 of 150	8.17373 ± 0.01664	0.9056	EXP 150 of 150	98.9519 ± 0.0220	0.4758	EXP 150 of 150
16D16104	2.0 %	0.0089500 ± 0.0001983	0.9135	EXP 150 of 150	0.0185875 ± 0.0199403	0.0019	EXP 150 of 150	0.1681553 ± 0.0165576	0.0026	EXP 150 of 150	18.63062 ± 0.01579	0.9834	EXP 150 of 150	224.6414 ± 0.0289	0.9978	EXP 150 of 150
16D16105	2.4 %	0.0091866 ± 0.0001928	0.9100	EXP 150 of 150	0.0745273 ± 0.0184322	0.0162	EXP 150 of 150	0.1977716 ± 0.0178809	0.0173	EXP 150 of 150	19.09717 ± 0.01699	0.9821	EXP 150 of 150	228.5591 ± 0.0243	0.9985	EXP 150 of 150
16D16106	2.8 %	0.0095770 ± 0.0002101	0.9172	EXP 150 of 150	0.0647303 ± 0.0173689	0.0101	EXP 150 of 150	0.2492118 ± 0.0169985	0.0085	EXP 149 of 150	23.87139 ± 0.01661	0.9892	EXP 150 of 150	284.8448 ± 0.0311	0.9987	EXP 150 of 150
16D16108	3.2 %	0.0084096 ± 0.0001967	0.9247	EXP 150 of 150	0.0658053 ± 0.0162210	0.0129	EXP 150 of 150	0.2364204 ± 0.0177916	0.0365	EXP 150 of 150	20.76650 ± 0.01641	0.9865	EXP 150 of 150	248.2500 ± 0.0310	0.9981	EXP 150 of 150
16D16109	3.6 %	0.0189208 ± 0.0003019	0.9564	EXP 150 of 150	0.1426812 ± 0.0179357	0.0006	EXP 150 of 150	1.0127010 ± 0.0178677	0.1185	EXP 150 of 150	86.54847 ± 0.02009	0.9988	EXP 150 of 150	1026.9335 ± 0.0495	0.9999	EXP 150 of 150
16D16110	4.0 %	0.0130698 ± 0.0002263	0.9436	EXP 149 of 150	0.0655503 ± 0.0168638	0.0005	EXP 150 of 150	0.4407947 ± 0.0149407	0.0206	EXP 150 of 150	40.26839 ± 0.01900	0.9951	EXP 150 of 150	479.1943 ± 0.0378	0.9995	EXP 150 of 150
16D16112	4.5 %	0.0244246 ± 0.0003345	0.9624	EXP 150 of 150	0.1720168 ± 0.0188761	0.0004	EXP 149 of 150	1.3251162 ± 0.0180794	0.1539	EXP 150 of 150	112.71379 ± 0.02144	0.9992	EXP 150 of 150	1338.3968 ± 0.0582	0.9999	EXP 150 of 150
16D16113	5.0 %	0.0171195 ± 0.0002625	0.9568	EXP 149 of 150	0.0923328 ± 0.0188494	0.0061	EXP 150 of 150	0.7685719 ± 0.0164581	0.0756	EXP 150 of 150	66.86816 ± 0.02111	0.9978	EXP 150 of 150	794.0029 ± 0.0483	0.9998	EXP 150 of 150
16D16114	5.5 %	0.0393245 ± 0.0003882	0.9710	EXP 150 of 150	0.2423816 ± 0.0193245	0.0017	EXP 150 of 150	1.9453424 ± 0.0172726	0.3389	EXP 150 of 150	163.02923 ± 0.02401	0.9995	EXP 150 of 150	1935.4954 ± 0.0687	0.9999	EXP 150 of 150
16D16116	6.0 %	0.0201764 ± 0.0002732	0.9569	EXP 150 of 150	0.1232062 ± 0.0205624	0.0006	EXP 149 of 150	0.8608018 ± 0.0160134	0.0784	EXP 150 of 150	73.35228 ± 0.02169	0.9981	EXP 150 of 150	872.4112 ± 0.0491	0.9998	EXP 150 of 150
16D16117	6.7 %	0.0224836 ± 0.0003216	0.9672	EXP 150 of 150	0.1781829 ± 0.0194414	0.0012	EXP 150 of 150	1.2795399 ± 0.0170771	0.1601	EXP 150 of 150	109.34914 ± 0.02149	0.9992	EXP 150 of 150	1297.0528 ± 0.0622	0.9999	EXP 150 of 150
16D16118	7.4 %	0.0538535 ± 0.0004260	0.9824	EXP 150 of 150	0.3584769 ± 0.0176333	0.0011	EXP 150 of 150	2.9603599 ± 0.0173979	0.4783	EXP 150 of 150	246.50417 ± 0.02984	0.9997	EXP 150 of 150	2925.9224 ± 0.0911	0.9999	EXP 150 of 150
16D16120	8.3 %	0.0403531 ± 0.0004166	0.9756	EXP 149 of 150	0.2938099 ± 0.0192298	0.0106	EXP 150 of 150	2.1963718 ± 0.0162108	0.2728	EXP 149 of 150	188.03503 ± 0.02676	0.9996	EXP 150 of 150	2233.7623 ± 0.0716	0.9999	EXP 150 of 150
16D16121	9.5 %	0.0457500 ± 0.0004346	0.9752	EXP 150 of 150	0.2615955 ± 0.0193352	0.0039	EXP 150 of 150	2.3921897 ± 0.0166096	0.3920	EXP 150 of 150	199.83361 ± 0.02686	0.9996	EXP 150 of 150	2375.3648 ± 0.0805	0.9999	EXP 150 of 150
16D16122	11.0 %	0.0612263 ± 0.0004880	0.9862	EXP 150 of 150	0.4407247 ± 0.0183149	0.0099	EXP 150 of 150	3.7342660 ± 0.0169238	0.5913	EXP 150 of 150	311.93075 ± 0.03164	0.9998	EXP 150 of 150	3703.7425 ± 0.0995	1.0000	EXP 150 of 150
16D16124	13.0 %	0.0576079 ± 0.0004822	0.9792	EXP 150 of 150	0.3411151 ± 0.0162057	0.0019	EXP 149 of 150	3.0860221 ± 0.0146770	0.5063	EXP 149 of 150	258.87673 ± 0.02608	0.9998	EXP 150 of 150	3067.7812 ± 0.0869	1.0000	EXP 150 of 150
16D16125	15.5 %	0.0489280 ± 0.0004684	0.9809	EXP 150 of 150	0.3172978 ± 0.0172875	0.0033	EXP 150 of 150	2.8296029 ± 0.0164092	0.4349	EXP 150 of 150	240.09712 ± 0.02626	0.9997	EXP 150 of 150	2852.9921 ± 0.0817	1.0000	EXP 150 of 150
16D16127	18.5 %	0.0518707 ± 0.0004488	0.9619	EXP 150 of 150	0.2176837 ± 0.0184784	0.0020	EXP 150 of 150	1.8170482 ± 0.0170531	0.2183	EXP 150 of 150	154.62010 ± 0.02613	0.9994	EXP 150 of 150	1845.1719 ± 0.0645	0.9999	EXP 150 of 150
16D16128	21.5 %	0.0302270 ± 0.0003826	0.9714	EXP 150 of 150	0.2222404 ± 0.0169442	0.0077	EXP 150 of 150	1.5982221 ± 0.0155249	0.2240	EXP 150 of 150	137.17756 ± 0.02570	0.9992	EXP 150 of 150	1633.9418 ± 0.0659	0.9999	EXP 150 of 150
16D16130	23.0 %	0.0379266 ± 0.0004009	0.9624	EXP 150 of 150	0.1823246 ± 0.0187100	0.0002	EXP 150 of 150	1.5694708 ± 0.0169770	0.2639	EXP 150 of 150	131.86090 ± 0.02464	0.9992	EXP 150 of 150	1576.1684 ± 0.0649	0.9999	EXP 150 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
16D16099	1.0 %	Susan Schnur	15-OSU-07	0.00	0.00	14.50	Walvis Ridge\MV1203 (13-INT-04)	16D16095	01
16D16101	1.4 %	Susan Schnur	15-OSU-07	0.00	0.00	14.50	Walvis Ridge\MV1203 (13-INT-04)	16D16095	01
16D16102	1.8 %	Susan Schnur	15-OSU-07	0.00	0.00	14.50	Walvis Ridge\MV1203 (13-INT-04)	16D16095	01
16D16104	2.0 %	Susan Schnur	15-OSU-07	0.00	0.00	14.50	Walvis Ridge\MV1203 (13-INT-04)	16D16095	01
16D16105	2.4 %	Susan Schnur	15-OSU-07	0.00	0.00	14.50	Walvis Ridge\MV1203 (13-INT-04)	16D16095	01
16D16106	2.8 %	Susan Schnur	15-OSU-07	0.00	0.00	14.50	Walvis Ridge\MV1203 (13-INT-04)	16D16095	01
16D16108	3.2 %	Susan Schnur	15-OSU-07	0.00	0.00	14.50	Walvis Ridge\MV1203 (13-INT-04)	16D16095	01
16D16109	3.6 %	Susan Schnur	15-OSU-07	0.00	0.00	14.50	Walvis Ridge\MV1203 (13-INT-04)	16D16095	01
16D16110	4.0 %	Susan Schnur	15-OSU-07	0.00	0.00	14.50	Walvis Ridge\MV1203 (13-INT-04)	16D16095	01
16D16112	4.5 %	Susan Schnur	15-OSU-07	0.00	0.00	14.50	Walvis Ridge\MV1203 (13-INT-04)	16D16095	01
16D16113	5.0 %	Susan Schnur	15-OSU-07	0.00	0.00	14.50	Walvis Ridge\MV1203 (13-INT-04)	16D16095	01
16D16114	5.5 %	Susan Schnur	15-OSU-07	0.00	0.00	14.50	Walvis Ridge\MV1203 (13-INT-04)	16D16095	01
16D16116	6.0 %	Susan Schnur	15-OSU-07	0.00	0.00	14.50	Walvis Ridge\MV1203 (13-INT-04)	16D16095	01
16D16117	6.7 %	Susan Schnur	15-OSU-07	0.00	0.00	14.50	Walvis Ridge\MV1203 (13-INT-04)	16D16095	01
16D16118	7.4 %	Susan Schnur	15-OSU-07	0.00	0.00	14.50	Walvis Ridge\MV1203 (13-INT-04)	16D16095	01
16D16120	8.3 %	Susan Schnur	15-OSU-07	0.00	0.00	14.50	Walvis Ridge\MV1203 (13-INT-04)	16D16095	01
16D16121	9.5 %	Susan Schnur	15-OSU-07	0.00	0.00	14.50	Walvis Ridge\MV1203 (13-INT-04)	16D16095	01
16D16122	11.0 %	Susan Schnur	15-OSU-07	0.00	0.00	14.50	Walvis Ridge\MV1203 (13-INT-04)	16D16095	01
16D16124	13.0 %	Susan Schnur	15-OSU-07	0.00	0.00	14.50	Walvis Ridge\MV1203 (13-INT-04)	16D16095	01
16D16125	15.5 %	Susan Schnur	15-OSU-07	0.00	0.00	14.50	Walvis Ridge\MV1203 (13-INT-04)	16D16095	01
16D16127	18.5 %	Susan Schnur	15-OSU-07	0.00	0.00	14.50	Walvis Ridge\MV1203 (13-INT-04)	16D16095	01
16D16128	21.5 %	Susan Schnur	15-OSU-07	0.00	0.00	14.50	Walvis Ridge\MV1203 (13-INT-04)	16D16095	01
16D16130	23.0 %	Susan Schnur	15-OSU-07	0.00	0.00	14.50	Walvis Ridge\MV1203 (13-INT-04)	16D16095	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
16D16099	1.0 %	MV1203-D24-02	K-Feldspar	Coleridge Guyot	FCT-NM (7B8-15)	28.201	0.082	Kuiper et al (2008)	9.02424	0.143	0.00174169	0.143	304.497	0.16	0.9926037	0.070	1	4.8E-14	25	APR	2016	11	10	1
16D16101	1.4 %	MV1203-D24-02	K-Feldspar	Coleridge Guyot	FCT-NM (7B8-15)	28.201	0.082	Kuiper et al (2008)	9.02424	0.143	0.00174169	0.143	304.497	0.16	0.9926037	0.070	1	4.8E-14	25	APR	2016	11	27	1
16D16102	1.8 %	MV1203-D24-02	K-Feldspar	Coleridge Guyot	FCT-NM (7B8-15)	28.201	0.082	Kuiper et al (2008)	9.02424	0.143	0.00174169	0.143	304.497	0.16	0.9926037	0.070	1	4.8E-14	25	APR	2016	11	35	1
16D16104	2.0 %	MV1203-D24-02	K-Feldspar	Coleridge Guyot	FCT-NM (7B8-15)	28.201	0.082	Kuiper et al (2008)	9.02424	0.143	0.00174169	0.143	304.497	0.16	0.9926037	0.070	1	4.8E-14	25	APR	2016	11	52	1
16D16105	2.4 %	MV1203-D24-02	K-Feldspar	Coleridge Guyot	FCT-NM (7B8-15)	28.201	0.082	Kuiper et al (2008)	9.02424	0.143	0.00174169	0.143	304.497	0.16	0.9926037	0.070	1	4.8E-14	25	APR	2016	12	1	1
16D16106	2.8 %	MV1203-D24-02	K-Feldspar	Coleridge Guyot	FCT-NM (7B8-15)	28.201	0.082	Kuiper et al (2008)	9.02424	0.143	0.00174169	0.143	304.497	0.16	0.9926037	0.070	1	4.8E-14	25	APR	2016	12	9	1
16D16108	3.2 %	MV1203-D24-02	K-Feldspar	Coleridge Guyot	FCT-NM (7B8-15)	28.201	0.082	Kuiper et al (2008)	9.02424	0.143	0.00174169	0.143	304.497	0.16	0.9926037	0.070	1	4.8E-14	25	APR	2016	12	26	1
16D16109	3.6 %	MV1203-D24-02	K-Feldspar	Coleridge Guyot	FCT-NM (7B8-15)	28.201	0.082	Kuiper et al (2008)	9.02424	0.143	0.00174169	0.143	304.497	0.16	0.9926037	0.070	1	4.8E-14	25	APR	2016	12	35	1
16D16110	4.0 %	MV1203-D24-02	K-Feldspar	Coleridge Guyot	FCT-NM (7B8-15)	28.201	0.082	Kuiper et al (2008)	9.02424	0.143	0.00174169	0.143	304.497	0.16	0.9926037	0.070	1	4.8E-14	25	APR	2016	12	44	1
16D16112	4.5 %	MV1203-D24-02	K-Feldspar	Coleridge Guyot	FCT-NM (7B8-15)	28.201	0.082	Kuiper et al (2008)	9.02424	0.143	0.00174169	0.143	304.497	0.16	0.9926037	0.070	1	4.8E-14	25	APR	2016	13	1	1
16D16113	5.0 %	MV1203-D24-02	K-Feldspar	Coleridge Guyot	FCT-NM (7B8-15)	28.201	0.082	Kuiper et al (2008)	9.02424	0.143	0.00174169	0.143	304.497	0.16	0.9926037	0.070	1	4.8E-14	25	APR	2016	13	9	1
16D16114	5.5 %	MV1203-D24-02	K-Feldspar	Coleridge Guyot	FCT-NM (7B8-15)	28.201	0.082	Kuiper et al (2008)	9.02424	0.143	0.00174169	0.143	304.497	0.16	0.9926037	0.070	1	4.8E-14	25	APR	2016	13	18	1
16D16116	6.0 %	MV1203-D24-02	K-Feldspar	Coleridge Guyot	FCT-NM (7B8-15)	28.201	0.082	Kuiper et al (2008)	9.02424	0.143	0.00174169	0.143	304.497	0.16	0.9926037	0.070	1	4.8E-14	25	APR	2016	13	35	1
16D16117	6.7 %	MV1203-D24-02	K-Feldspar	Coleridge Guyot	FCT-NM (7B8-15)	28.201	0.082	Kuiper et al (2008)	9.02424	0.143	0.00174169	0.143	304.497	0.16	0.9926037	0.070	1	4.8E-14	25	APR	2016	13	43	1
16D16118	7.4 %	MV1203-D24-02	K-Feldspar	Coleridge Guyot	FCT-NM (7B8-15)	28.201	0.082	Kuiper et al (2008)	9.02424	0.143	0.00174169	0.143	304.497	0.16	0.9926037	0.070	1	4.8E-14	25	APR	2016	13	52	1
16D16120	8.3 %	MV1203-D24-02	K-Feldspar	Coleridge Guyot	FCT-NM (7B8-15)	28.201	0.082	Kuiper et al (2008)	9.02424	0.143	0.00174169	0.143	304.497	0.16	0.9926037	0.070	1	4.8E-14	25	APR	2016	14	9	1
16D16121	9.5 %	MV1203-D24-02	K-Feldspar	Coleridge Guyot	FCT-NM (7B8-15)	28.201	0.082	Kuiper et al (2008)	9.02424	0.143	0.00174169	0.143	304.497	0.16	0.9926037	0.070	1	4.8E-14	25	APR	2016	14	18	1
16D16122	11.0 %	MV1203-D24-02	K-Feldspar	Coleridge Guyot	FCT-NM (7B8-15)	28.201	0.082	Kuiper et al (2008)	9.02424	0.143	0.00174169	0.143	304.497	0.16	0.9926037	0.070	1	4.8E-14	25	APR	2016	14	26	1
16D16124	13.0 %	MV1203-D24-02	K-Feldspar	Coleridge Guyot	FCT-NM (7B8-15)	28.201	0.082	Kuiper et al (2008)	9.02424	0.143	0.00174169	0.143	304.497	0.16	0.9926037	0.070	1	4.8E-14	25	APR	2016	14	43	1
16D16125	15.5 %	MV1203-D24-02	K-Feldspar	Coleridge Guyot	FCT-NM (7B8-15)	28.201	0.082	Kuiper et al (2008)	9.02424	0.143	0.00174169	0.143	304.497	0.16	0.9926037	0.070	1	4.8E-14	25	APR	2016	14	52	1
16D16127	18.5 %	MV1203-D24-02	K-Feldspar	Coleridge Guyot	FCT-NM (7B8-15)	28.201	0.082	Kuiper et al (2008)	9.02424	0.143	0.00174169	0.143	304.497	0.16	0.9926037	0.070	1	4.8E-14	25	APR	2016	15	9	1
16D16128	21.5 %	MV1203-D24-02	K-Feldspar	Coleridge Guyot	FCT-NM (7B8-15)	28.201	0.082	Kuiper et al (2008)	9.02424	0.143	0.00174169	0.143	304.497	0.16	0.9926037	0.070	1	4.8E-14	25	APR	2016	15	17	1
16D16130	23.0 %	MV1203-D24-02	K-Feldspar	Coleridge Guyot	FCT-NM (7B8-15)	28.201	0.082	Kuiper et al (2008)	9.02424	0.143	0.00174169	0.143	304.497	0.16	0.9926037	0.070	1	4.8E-14	25	APR	2016	15	34	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
16D16099	1.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D16101	1.4 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D16102	1.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D16104	2.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D16105	2.4 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D16106	2.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D16108	3.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D16109	3.6 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D16110	4.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D16112	4.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D16113	5.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D16114	5.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D16116	6.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D16117	6.7 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D16118	7.4 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D16120	8.3 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D16121	9.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D16122	11.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D16124	13.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D16125	15.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D16127	18.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D16128	21.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D16130	23.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0

16D16095.AGE >>> MV1203-D24-02 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
36.51 ± 0.10
TOTAL FUSION
36.53 ± 0.10
NORMAL ISOCHRON
36.69 ± 0.18
INVERSE ISOCHRON
36.54 ± 0.17

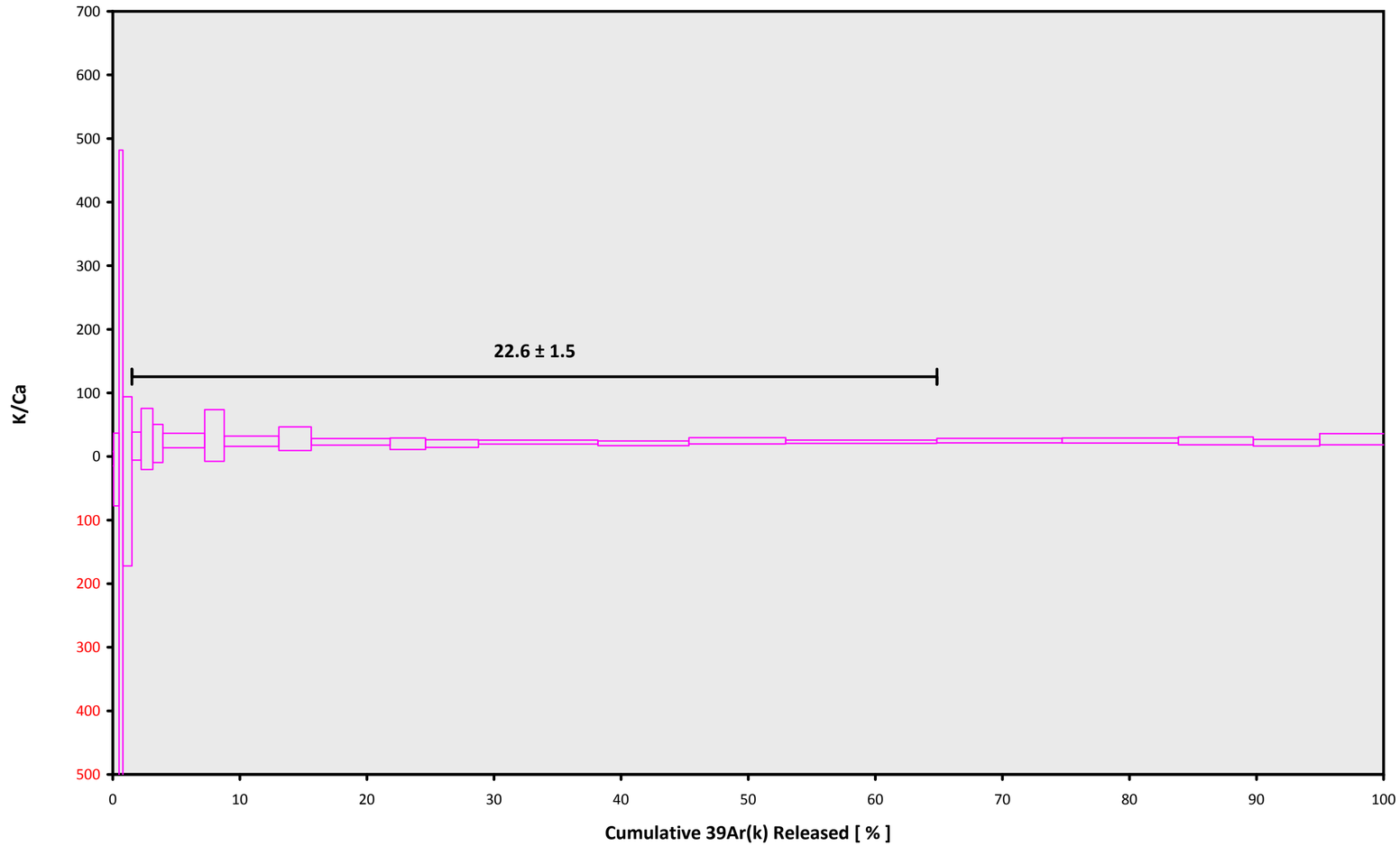
MSWD (PROBABILITY)
0.77 (69%)

Sample Info

K-Feldspar
Coleridge Guyot
Susan Schnur

IRR = 15-OSU-07 (7B8-15)
J = 0.00174169 ± 0.00000249

16D16095.AGE >>> MV1203-D24-02 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
36.51 ± 0.10
TOTAL FUSION
36.53 ± 0.10
NORMAL ISOCHRON
36.69 ± 0.18
INVERSE ISOCHRON
36.54 ± 0.17

Sample Info

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Coleridge Guyot
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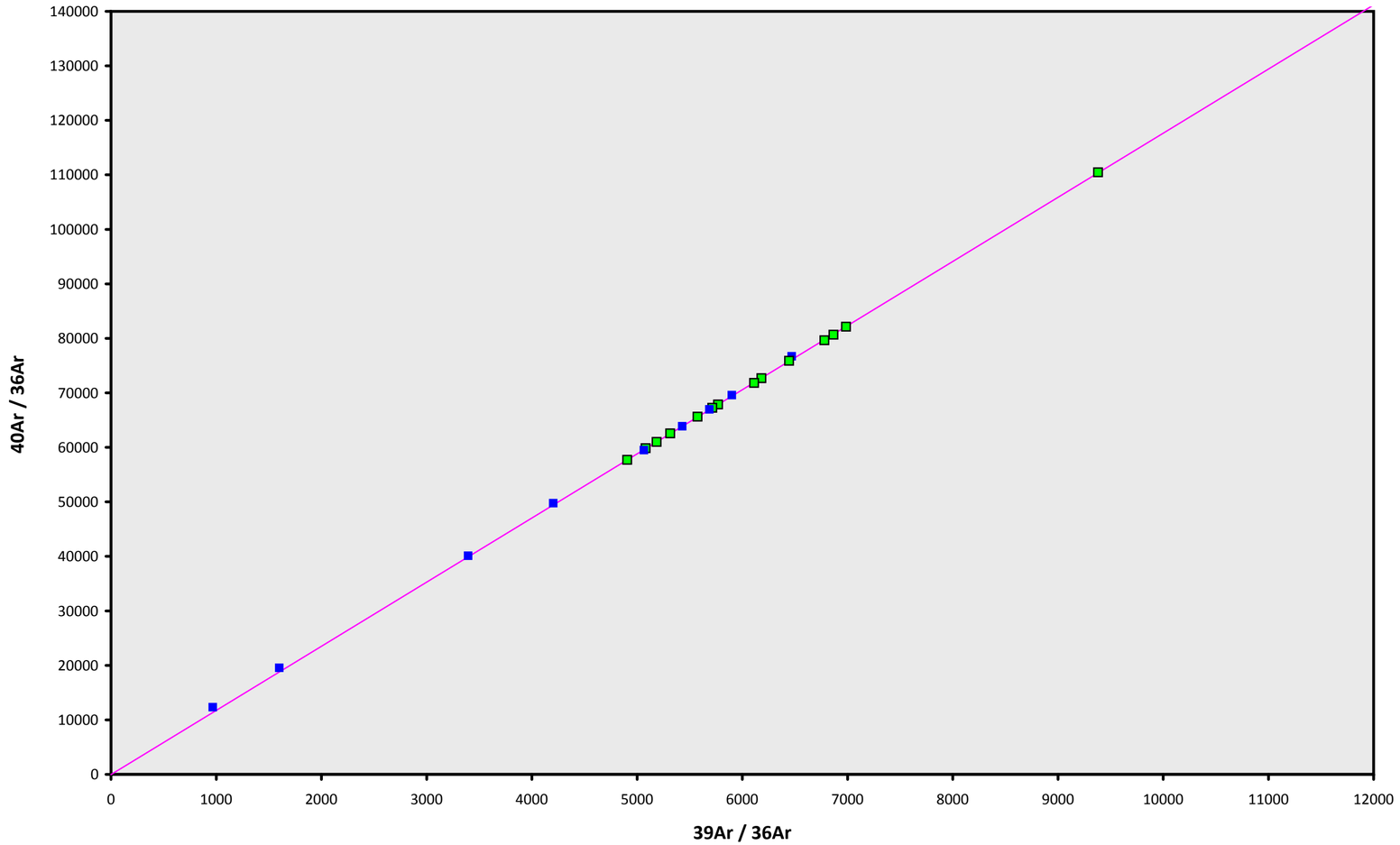
16D16095.AGE >>> MV1203-D24-02 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
36.51 ± 0.10
TOTAL FUSION
36.53 ± 0.10
NORMAL ISOCHRON
36.69 ± 0.18
INVERSE ISOCHRON
36.54 ± 0.17

MSWD (PROBABILITY)
1.21 (27%)

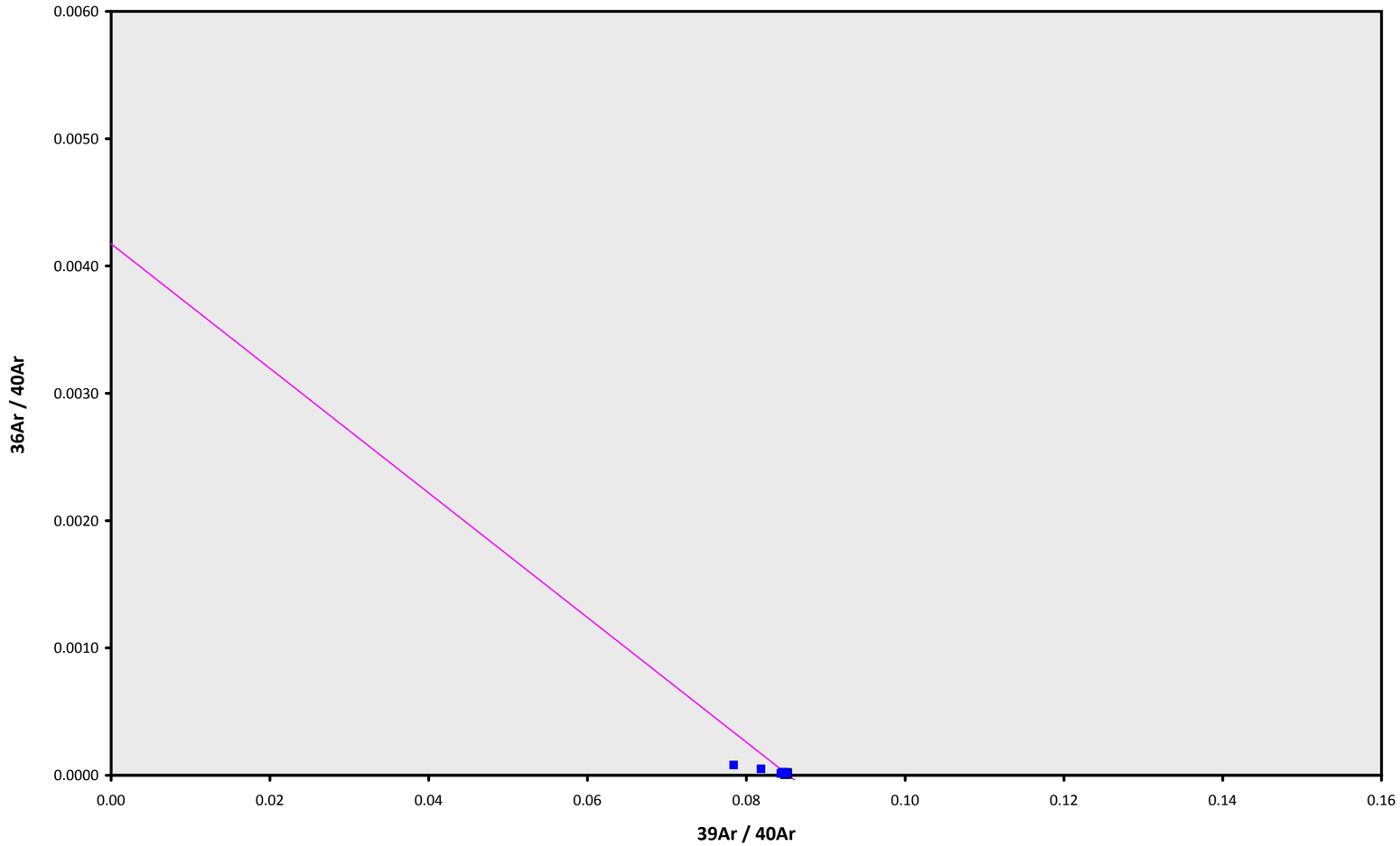
40AR/36AR INTERCEPT
-28.1 ± 263.7 (NEG)

Sample Info

K-Feldspar
Coleridge Guyot
Susan Schnur

IRR = 15-OSU-07 (7B8-15)
J = 0.00174169 ± 0.00000249

16D16095.AGE >>> MV1203-D24-02 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
36.51 ± 0.10
TOTAL FUSION
36.53 ± 0.10
NORMAL ISOCHRON
36.69 ± 0.18
INVERSE ISOCHRON
36.54 ± 0.17

MSWD (PROBABILITY)
0.82 (63%)

SPREADING FACTOR
0.3%

40AR/36AR INTERCEPT
239.6 ± 130.5

Sample Info

K-Feldspar
Coleridge Guyot
Susan Schnur

IRR = 15-OSU-07 (7B8-15)
J = 0.00174169 ± 0.00000249