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
16D07165	1.0 %		2.377102	0.312	3.48026	2.878	0.668070	3.615	12.07322	0.205	1004.723	0.075	25.06192 ± 0.39776	72.18 ± 1.12	30.11	3.03	1.49 ± 0.09
16D07167	1.4 %		1.227794	0.359	4.22896	2.206	0.427762	5.859	11.23942	0.209	631.093	0.119	23.90157 ± 0.28609	68.90 ± 0.81	42.56	2.82	1.14 ± 0.05
16D07168	1.8 %		1.633720	0.330	5.63075	1.723	0.566512	4.257	14.84485	0.158	837.965	0.090	23.95990 ± 0.24942	69.07 ± 0.71	42.43	3.72	1.13 ± 0.04
16D07170	2.0 %		0.933900	0.400	2.86598	3.250	0.333657	7.350	10.19420	0.229	511.488	0.147	23.12624 ± 0.28290	66.71 ± 0.80	46.08	2.56	1.53 ± 0.10
16D07171	2.4 %		0.449530	0.618	2.67819	3.616	0.230874	10.415	9.39676	0.247	355.531	0.212	23.72241 ± 0.26445	68.40 ± 0.75	62.69	2.36	1.51 ± 0.11
16D07172	2.8 %		1.306322	0.349	4.43940	2.126	0.493676	4.938	16.71013	0.151	776.399	0.097	23.38332 ± 0.19767	67.44 ± 0.56	50.32	4.19	1.62 ± 0.07
16D07174	3.2 %		0.209627	1.174	3.18379	2.969	0.219627	11.046	13.91843	0.176	385.800	0.195	23.28588 ± 0.17135	67.16 ± 0.49	84.00	3.49	1.88 ± 0.11
16D07175	3.6 %		0.286806	0.890	2.36970	4.018	0.179274	13.345	10.56031	0.232	332.192	0.227	23.44856 ± 0.22933	67.62 ± 0.65	74.53	2.65	1.92 ± 0.15
16D07176	4.0 %		5.974304	0.283	4.44435	2.162	1.374705	1.795	17.44752	0.148	2167.635	0.035	23.07386 ± 0.58239	66.56 ± 1.65	18.57	4.37	1.69 ± 0.07
16D07178	4.5 %		0.146412	1.644	3.52221	2.742	0.210101	11.249	12.88942	0.199	340.849	0.221	23.10947 ± 0.18510	66.66 ± 0.52	87.37	3.23	1.57 ± 0.09
16D07179	5.0 %		4.589257	0.287	5.67612	1.678	1.075161	2.307	15.82106	0.152	1716.801	0.044	22.82717 ± 0.50555	65.86 ± 1.43	21.03	3.97	1.20 ± 0.04
16D07180	5.5 %		0.524349	0.560	6.98340	1.352	0.289460	8.252	15.43078	0.167	511.106	0.147	23.12004 ± 0.16781	66.69 ± 0.48	69.78	3.87	0.95 ± 0.03
16D07182	6.0 %		0.432959	0.647	8.43099	1.157	0.296395	8.092	17.29054	0.150	526.016	0.143	23.06498 ± 0.14667	66.54 ± 0.42	75.79	4.33	0.88 ± 0.02
16D07183	6.7 %		0.501582	0.573	7.27226	1.374	0.298148	8.019	15.01119	0.176	492.648	0.153	22.98678 ± 0.17157	66.32 ± 0.49	70.02	3.76	0.89 ± 0.02
16D07184	7.4 %	✓	1.731333	0.326	12.86379	0.799	0.620879	3.717	24.26756	0.119	1057.703	0.071	22.54901 ± 0.16032	65.07 ± 0.45	51.72	6.08	0.81 ± 0.01
16D07186	8.3 %	✓	1.153034	0.366	16.94248	0.617	0.642344	4.081	32.82719	0.100	1083.975	0.070	22.68612 ± 0.09969	65.46 ± 0.28	68.68	8.23	0.83 ± 0.01
16D07187	9.5 %	✓	1.531163	0.334	18.05386	0.587	0.773016	3.061	37.41431	0.092	1298.257	0.058	22.64784 ± 0.09960	65.36 ± 0.28	65.25	9.38	0.89 ± 0.01
16D07188	11.0 %	✓	3.157413	0.294	14.97811	0.706	1.155760	2.048	45.60728	0.086	1963.945	0.038	22.63155 ± 0.13085	65.31 ± 0.37	52.54	11.43	1.31 ± 0.02
16D07190	13.0 %	✓	1.186036	0.364	9.91223	0.968	0.634846	3.865	31.41292	0.100	1057.676	0.071	22.53897 ± 0.10457	65.05 ± 0.30	66.93	7.87	1.36 ± 0.03
16D07191	15.5 %	✓	2.434814	0.307	15.49837	0.657	0.734253	3.255	18.01767	0.144	1123.636	0.067	22.50772 ± 0.26741	64.96 ± 0.76	36.07	4.51	0.50 ± 0.01
16D07193	18.5 %	✓	1.448739	0.339	4.55038	2.141	0.369855	6.335	4.90959	0.442	538.751	0.140	22.62081 ± 0.69543	65.28 ± 1.97	20.60	1.23	0.46 ± 0.02
16D07194	21.5 %	✓	0.832126	0.426	5.18191	1.864	0.285142	9.169	6.23780	0.361	387.203	0.194	22.72840 ± 0.44511	65.58 ± 1.26	36.59	1.56	0.52 ± 0.02
16D07196	24.5 %	✓	1.287079	0.353	6.24560	1.528	0.358339	6.464	5.44545	0.452	501.808	0.150	22.41193 ± 0.60160	64.69 ± 1.71	24.30	1.36	0.37 ± 0.01
		Σ	35.355399	0.087	169.43307	0.277	12.237857	0.950	398.96761	0.032	19603.199	0.018					

Information on Analysis and Constants Used in Calculations

Project = **MV1203 (13-INT-04)**
Sample = **MV1203-D15-07**
Material = **K-Feldspar**
Location = **Bulkington East**
Region = **Walvis Ridge**
Analyst = **Dan Miggins**
Irradiation = **15-OSU-07 (7A27-15)**
Position = **X: 0 | Y: 0 | Z/H: 47.48 mm**
FCT-NM Age = **28.201 ± 0.023 Ma**
FCT-NM Reference = **Kuiper et al (2008)**
FCT-NM 40Ar/39Ar Ratio = **9.67233 ± 0.01422**
FCT-NM J-value = **0.00162499 ± 0.00000239**
Air Shot 40Ar/36Ar = **304.7240 ± 0.4144**
Air Shot MDF = **0.99242272 ± 0.00066330 (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 = **IESS10066**
Rock Class = **Igneous>Volcanic>Mafic**
Lithology = **Trachyte**
Lat-Lon = **31°17.1'S - 1°12.2'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		22.61605 ± 0.04914 (± 0.22%)	**65.26 ± 0.23 (± 0.36%)**	0.84	51.67	0.68 ± 0.18
		Full External Error ± 1.48		57%	9	
		Analytical Error ± 0.14		2.00	2σ Confidence Limit	
				1.0000	Error Magnification	
Total Fusion Age		22.98468 ± 0.05113 (± 0.22%)	**66.31 ± 0.24 (± 0.36%)**		23	1.01 ± 0.01
		Full External Error ± 1.50				
		Analytical Error ± 0.14				
Normal Isochron	**294.90 ± 1.51 (± 0.51%)**	22.64713 ± 0.09321 (± 0.41%)	**65.35 ± 0.32 (± 0.50%)**	0.86	51.67	
		Full External Error ± 1.50		53%	9	
		Analytical Error ± 0.26		2.07	2σ Confidence Limit	
				1.0000	Error Magnification	
				7	Number of Iterations	
				0.0001926421	Convergence	
Inverse Isochron	**294.89 ± 1.51 (± 0.51%)**	22.64830 ± 0.09317 (± 0.41%)	**65.36 ± 0.32 (± 0.50%)**	0.86	51.67	
		Full External Error ± 1.50		54%	9	
		Analytical Error ± 0.26		2.07	2σ Confidence Limit	
				1.0000	Error Magnification	
				3	Number of Iterations	
Notes				0.0000255596	Convergence	
Low-T shows recoil but high-T yields a decent plateau.				48%	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
16D07165	1.0 %		2.376167	3.48026	0.0784903	12.07086	302.5190	72.18 ± 1.12	30.11	3.03	1.49 ± 0.09
16D07167	1.4 %		1.226662	4.22896	0.0630081	11.23657	268.5716	68.90 ± 0.81	42.56	2.82	1.14 ± 0.05
16D07168	1.8 %		1.632212	5.63075	0.0824952	14.84104	355.5899	69.07 ± 0.71	42.43	3.72	1.13 ± 0.04
16D07170	2.0 %		0.933133	2.86598	0.0364258	10.19226	235.7088	66.71 ± 0.80	46.08	2.56	1.53 ± 0.10
16D07171	2.4 %		0.448814	2.67819	0.0337682	9.39495	222.8708	68.40 ± 0.75	62.69	2.36	1.51 ± 0.11
16D07172	2.8 %		1.305134	4.43940	0.0484242	16.70713	390.6683	67.44 ± 0.56	50.32	4.19	1.62 ± 0.07
16D07174	3.2 %		0.208778	3.18379	0.0129509	13.91628	324.0527	67.16 ± 0.49	84.00	3.49	1.88 ± 0.11
16D07175	3.6 %		0.286175	2.36970	0.0000000	10.55871	247.5866	67.62 ± 0.65	74.53	2.65	1.92 ± 0.15
16D07176	4.0 %		5.973115	4.44435	0.0481360	17.44452	402.5124	66.56 ± 1.65	18.57	4.37	1.69 ± 0.07
16D07178	4.5 %		0.145471	3.52221	0.0276153	12.88704	297.8127	66.66 ± 0.52	87.37	3.23	1.57 ± 0.09
16D07179	5.0 %		4.587742	5.67612	0.0270072	15.81723	361.0625	65.86 ± 1.43	21.03	3.97	1.20 ± 0.04
16D07180	5.5 %		0.522489	6.98340	0.0057146	15.42606	356.6513	66.69 ± 0.48	69.78	3.87	0.95 ± 0.03
16D07182	6.0 %		0.430713	8.43099	0.0073358	17.28484	398.6746	66.54 ± 0.42	75.79	4.33	0.88 ± 0.02
16D07183	6.7 %		0.499643	7.27226	0.0237015	15.00628	344.9461	66.32 ± 0.49	70.02	3.76	0.89 ± 0.02
16D07184	7.4 %	✓	1.727906	12.86379	0.0051508	24.25887	547.0135	65.07 ± 0.45	51.72	6.08	0.81 ± 0.01
16D07186	8.3 %	✓	1.148519	16.94248	0.0316628	32.81575	744.4620	65.46 ± 0.28	68.68	8.23	0.83 ± 0.01
16D07187	9.5 %	✓	1.526351	18.05386	0.0364602	37.40211	847.0771	65.36 ± 0.28	65.25	9.38	0.89 ± 0.01
16D07188	11.0 %	✓	3.153423	14.97811	0.0167305	45.59716	1031.9346	65.31 ± 0.37	52.54	11.43	1.31 ± 0.02
16D07190	13.0 %	✓	1.183393	9.91223	0.0351101	31.40622	707.8638	65.05 ± 0.30	66.93	7.87	1.36 ± 0.03
16D07191	15.5 %	✓	2.430680	15.49837	0.0622016	18.00720	405.3009	64.96 ± 0.76	36.07	4.51	0.50 ± 0.01
16D07193	18.5 %	✓	1.447523	4.55038	0.0399559	4.90652	110.9894	65.28 ± 1.97	20.60	1.23	0.46 ± 0.02
16D07194	21.5 %	✓	0.830740	5.18191	0.0545002	6.23430	141.6956	65.58 ± 1.26	36.59	1.56	0.52 ± 0.02
16D07196	24.5 %	✓	1.285410	6.24560	0.0521838	5.44123	121.9485	64.69 ± 1.71	24.30	1.36	0.37 ± 0.01
		Σ	35.310192	169.43307	0.8290290	398.85314	9167.5124				

Information on Analysis

Project = **MV1203 (13-INT-04)**
Sample = **MV1203-D15-07**
Material = **K-Feldspar**
Location = **Bulkington East**
Region = **Walvis Ridge**
Analyst = **Dan Miggins**
Irradiation = **15-OSU-07 (7A27-15)**
J = **0.00162499 ± 0.00000239**
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	22.61605	± 0.04914	**65.26**	**± 0.23**	0.84	51.67	0.68 ± 0.18
		± 0.22%		**± 0.36%**	57%	9	
		Full External Error		± 1.48	2.00	2σ Confidence Limit	
		Analytical Error		± 0.14	1.0000	Error Magnification	
Total Fusion Age	22.98468	± 0.05113	**66.31**	**± 0.24**		23	1.01 ± 0.01
		± 0.22%		**± 0.36%**			
		Full External Error		± 1.50			
		Analytical Error		± 0.14			

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
16D07165	1.0 %		5.08 ± 0.04	422.81 ± 2.72	0.8124
16D07167	1.4 %		9.16 ± 0.08	514.45 ± 3.90	0.8203
16D07168	1.8 %		9.09 ± 0.07	513.36 ± 3.52	0.8705
16D07170	2.0 %		10.92 ± 0.10	548.10 ± 4.68	0.8143
16D07171	2.4 %		20.93 ± 0.28	792.08 ± 10.36	0.8787
16D07172	2.8 %		12.80 ± 0.10	594.83 ± 4.31	0.8845
16D07174	3.2 %		66.66 ± 1.59	1847.64 ± 44.14	0.9757
16D07175	3.6 %		36.90 ± 0.68	1160.66 ± 21.36	0.9380
16D07176	4.0 %		2.92 ± 0.02	362.89 ± 2.07	0.8791
16D07178	4.5 %		88.59 ± 2.95	2342.73 ± 78.24	0.9842
16D07179	5.0 %		3.45 ± 0.02	374.20 ± 2.17	0.8728
16D07180	5.5 %		29.52 ± 0.35	978.10 ± 11.36	0.9270
16D07182	6.0 %		40.13 ± 0.54	1221.12 ± 16.25	0.9517
16D07183	6.7 %		30.03 ± 0.36	985.88 ± 11.74	0.9243
16D07184	7.4 %	✓	14.04 ± 0.10	612.08 ± 4.10	0.9183
16D07186	8.3 %	✓	28.57 ± 0.22	943.69 ± 7.06	0.9484
16D07187	9.5 %	✓	24.50 ± 0.17	850.47 ± 5.79	0.9500
16D07188	11.0 %	✓	14.46 ± 0.09	622.74 ± 3.70	0.9522
16D07190	13.0 %	✓	26.54 ± 0.20	893.66 ± 6.65	0.9468
16D07191	15.5 %	✓	7.41 ± 0.05	462.24 ± 2.91	0.8849
16D07193	18.5 %	✓	3.39 ± 0.04	372.18 ± 2.73	0.5624
16D07194	21.5 %	✓	7.50 ± 0.08	466.07 ± 4.37	0.6942
16D07196	24.5 %	✓	4.23 ± 0.05	390.37 ± 3.00	0.5671

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	**294.90 ± 1.51 ± 0.51%**	22.64713 ± 0.09321 ± 0.41%	**65.35 ± 0.32 ± 0.50%**	0.86 53%
			Full External Error ± 1.50	
			Analytical Error ± 0.26	

Statistics				
	2σ Confidence Limit	2.07	Convergence	0.000192642088
	Error Magnification	1.0000	Number of Iterations	7
	Number of Data Points	9	Calculated Line	Weighted York-2

Inverse Isochron			39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
16D07165	1.0 %		0.0120147 ± 0.0000525	0.00236511 ± 0.00001519	0.0802
16D07167	1.4 %		0.0178061 ± 0.0000858	0.00194384 ± 0.00001473	0.1560
16D07168	1.8 %		0.0177120 ± 0.0000644	0.00194796 ± 0.00001335	0.1298
16D07170	2.0 %		0.0199282 ± 0.0001087	0.00182449 ± 0.00001557	0.1862
16D07171	2.4 %		0.0264278 ± 0.0001720	0.00126250 ± 0.00001651	0.2106
16D07172	2.8 %		0.0215205 ± 0.0000772	0.00168115 ± 0.00001218	0.1450
16D07174	3.2 %		0.0360762 ± 0.0001897	0.00054123 ± 0.00001293	0.1212
16D07175	3.6 %		0.0317889 ± 0.0002062	0.00086158 ± 0.00001586	0.1719
16D07176	4.0 %		0.0080480 ± 0.0000245	0.00275568 ± 0.00001569	0.0280
16D07178	4.5 %		0.0378142 ± 0.0002246	0.00042685 ± 0.00001425	0.0983
16D07179	5.0 %		0.0092135 ± 0.0000292	0.00267236 ± 0.00001551	0.0420
16D07180	5.5 %		0.0301852 ± 0.0001346	0.00102239 ± 0.00001187	0.1676
16D07182	6.0 %		0.0328640 ± 0.0001361	0.00081892 ± 0.00001090	0.1487
16D07183	6.7 %		0.0304640 ± 0.0001420	0.00101432 ± 0.00001208	0.1684
16D07184	7.4 %	✓	0.0229374 ± 0.0000636	0.00163378 ± 0.00001094	0.1094
16D07186	8.3 %	✓	0.0302770 ± 0.0000736	0.00105967 ± 0.00000793	0.1064
16D07187	9.5 %	✓	0.0288127 ± 0.0000628	0.00117582 ± 0.00000801	0.0909
16D07188	11.0 %	✓	0.0232192 ± 0.0000436	0.00160580 ± 0.00000955	0.0530
16D07190	13.0 %	✓	0.0296970 ± 0.0000728	0.00111899 ± 0.00000832	0.1114
16D07191	15.5 %	✓	0.0160268 ± 0.0000509	0.00216336 ± 0.00001363	0.0899
16D07193	18.5 %	✓	0.0091075 ± 0.0000845	0.00268691 ± 0.00001971	0.1148
16D07194	21.5 %	✓	0.0161018 ± 0.0001322	0.00214562 ± 0.00002011	0.1964
16D07196	24.5 %	✓	0.0108437 ± 0.0001034	0.00256166 ± 0.00001970	0.1227

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	**294.89 ± 1.51 ± 0.51%**	22.64830 ± 0.09317 ± 0.41%	**65.36 ± 0.32 ± 0.50%**	0.86 54%
			Full External Error ± 1.50	
			Analytical Error ± 0.26	

Statistics				
	2σ Confidence Limit	2.07	Convergence	0.0000255596
	Error Magnification	1.0000	Number of Iterations	3
	Number of Data Points	9	Calculated Line	Weighted York-2
	Spreading Factor	47.9%		

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
16D07165	1.0 %		2.376167	0.31	0.0000000	0.00	0.0009268	2.88	0.0000082	30.84	3.48026	2.88	0.4441057	0.31	0.0000000	0.00	0.1452246	0.26	0.0002499	13.14	0.0784903	30.86	12.07086	0.21	0.0023513	3.17	302.5190	0.77	702.157	0.31	0.0000000	0.00	0.0461469	2.67
16D07167	1.4 %		1.226662	0.36	0.0000000	0.00	0.0011262	2.21	0.0000066	39.81	4.22896	2.21	0.2292631	0.36	0.0000000	0.00	0.1351871	0.26	0.0003036	13.01	0.0630081	39.83	11.23657	0.21	0.0028571	2.57	268.5716	0.56	362.479	0.36	0.0000000	0.00	0.0429574	2.67
16D07168	1.8 %		1.632212	0.33	0.0000000	0.00	0.0014995	1.73	0.0000087	29.28	5.63075	1.72	0.3050603	0.33	0.0000000	0.00	0.1785526	0.22	0.0004043	12.94	0.0824952	29.30	14.84104	0.16	0.0038041	2.17	355.5899	0.50	482.319	0.33	0.0000000	0.00	0.0567373	2.66
16D07170	2.0 %		0.933133	0.40	0.0000000	0.00	0.0007632	3.25	0.0000038	67.37	2.86598	3.25	0.1744025	0.40	0.0000000	0.00	0.1226231	0.28	0.0002058	13.23	0.0364258	67.38	10.19226	0.23	0.0019363	3.51	235.7088	0.57	275.741	0.40	0.0000000	0.00	0.0389650	2.67
16D07171	2.4 %		0.448814	0.62	0.0000000	0.00	0.0007132	3.62	0.0000035	71.24	2.67819	3.62	0.0838833	0.62	0.0000000	0.00	0.1130306	0.29	0.0001923	13.32	0.0337682	71.24	9.39495	0.25	0.0018094	3.85	222.8708	0.50	132.624	0.62	0.0000000	0.00	0.0359169	2.67
16D07172	2.8 %		1.305134	0.35	0.0000000	0.00	0.0011822	2.13	0.0000051	50.39	4.43940	2.13	0.2439296	0.35	0.0000000	0.00	0.2010035	0.22	0.0003187	13.00	0.0484242	50.40	16.70713	0.15	0.0029993	2.50	390.6683	0.39	385.667	0.35	0.0000000	0.00	0.0638714	2.66
16D07174	3.2 %		0.208778	1.18	0.0000000	0.00	0.0008478	2.97	0.0000014	187.39	3.18379	2.97	0.0390206	1.18	0.0000000	0.00	0.1674267	0.24	0.0002286	13.16	0.0129509	187.39	13.91628	0.18	0.0021510	3.25	324.0527	0.32	61.694	1.18	0.0000000	0.00	0.0532019	2.67
16D07175	3.6 %		0.286175	0.89	0.0000000	0.00	0.0006311	4.02	0.0000000	0.00	2.36970	4.02	0.0534861	0.89	0.0000000	0.00	0.1270319	0.28	0.0001701	13.43	0.0000000	0.00	10.55871	0.23	0.0016010	4.23	247.5866	0.43	84.565	0.89	0.0000000	0.00	0.0403660	2.67
16D07176	4.0 %		5.973115	0.28	0.0000000	0.00	0.0011835	2.17	0.0000051	51.69	4.44435	2.16	1.1163752	0.28	0.0000000	0.00	0.2098750	0.22	0.0003191	13.00	0.0481360	51.69	17.44452	0.15	0.0030026	2.53	402.5124	1.25	1765.056	0.28	0.0000000	0.00	0.0666904	2.66
16D07178	4.5 %		0.145471	1.66	0.0000000	0.00	0.0009380	2.75	0.0000029	85.61	3.52221	2.74	0.0271885	1.66	0.0000000	0.00	0.1550440	0.26	0.0002529	13.11	0.0276153	85.62	12.88704	0.20	0.0023796	3.04	297.8127	0.35	42.987	1.66	0.0000000	0.00	0.0492672	2.67
16D07179	5.0 %		4.587742	0.29	0.0000000	0.00	0.0015116	1.68	0.0000028	92.32	5.67612	1.68	0.8574490	0.29	0.0000000	0.00	0.1902970	0.22	0.0004075	12.93	0.0270072	92.32	15.81723	0.15	0.0038348	2.13	361.0625	1.10	1355.678	0.29	0.0000000	0.00	0.0604693	2.66
16D07180	5.5 %		0.522489	0.56	0.0000000	0.00	0.0018597	1.36	0.0000006	418.17	6.98340	1.35	0.0976531	0.56	0.0000000	0.00	0.1855910	0.23	0.0005014	12.89	0.0057146	418.17	15.42606	0.17	0.0047180	1.89	356.6513	0.32	154.395	0.56	0.0000000	0.00	0.0589738	2.67
16D07182	6.0 %		0.430713	0.65	0.0000000	0.00	0.0022452	1.17	0.0000008	327.11	8.43099	1.16	0.0805002	0.65	0.0000000	0.00	0.2079540	0.22	0.0006053	12.87	0.0073358	327.11	17.28484	0.15	0.0056960	1.76	398.6746	0.28	127.276	0.65	0.0000000	0.00	0.0660800	2.66
16D07183	6.7 %		0.499643	0.58	0.0000000	0.00	0.0019366	1.38	0.0000025	100.92	7.27226	1.37	0.0933834	0.58	0.0000000	0.00	0.1805406	0.24	0.0005221	12.89	0.0237015	100.93	15.00628	0.18	0.0049131	1.91	344.9461	0.33	147.645	0.58	0.0000000	0.00	0.0573690	2.67
16D07184	7.4 %	✓	1.727906	0.33	0.0000000	0.00	0.0034256	0.81	0.0000005	448.67	12.86379	0.80	0.3229457	0.33	0.0000000	0.00	0.2918584	0.20	0.0009236	12.84	0.0051508	448.67	24.25887	0.12	0.0086908	1.54	547.0135	0.34	510.596	0.33	0.0000000	0.00	0.0927416	2.66
16D07186	8.3 %	✓	1.148519	0.37	0.0000000	0.00	0.0045118	0.64	0.0000033	82.88	16.94248	0.62	0.2146582	0.37	0.0000000	0.00	0.3948062	0.19	0.0012165	12.83	0.0316628	82.88	32.81575	0.10	0.0114463	1.46	744.4620	0.20	339.387	0.37	0.0000000	0.00	0.1254546	2.66
16D07187	9.5 %	✓	1.526351	0.34	0.0000000	0.00	0.0048077	0.61	0.0000038	65.00	18.05386	0.59	0.2852750	0.34	0.0000000	0.00	0.4499848	0.18	0.0012963	12.83	0.0364602	65.00	37.40211	0.09	0.0121972	1.44	847.0771	0.20	451.037	0.34	0.0000000	0.00	0.1429883	2.66
16D07188	11.0 %	✓	3.153423	0.29	0.0000000	0.00	0.0039887	0.72	0.0000018	142.01	14.97811	0.71	0.5893747	0.29	0.0000000	0.00	0.5485795	0.18	0.0010754	12.84	0.0167305	142.01	45.59716	0.09	0.0101192	1.50	1031.9346	0.28	931.836	0.29	0.0000000	0.00	0.1743180	2.66
16D07190	13.0 %	✓	1.183393	0.37	0.0000000	0.00	0.0026396	0.98	0.0000037	69.96	9.91223	0.97	0.2211761	0.37	0.0000000	0.00	0.3778483	0.19	0.0007117	12.86	0.0351101	69.96	31.40622	0.10	0.0066967	1.64	707.8638	0.21	349.693	0.37	0.0000000	0.00	0.1200660	2.66
16D07191	15.5 %	✓	2.430680	0.31	0.0000000	0.00	0.0041272	0.67	0.0000066	38.51	15.49837	0.66	0.4542941	0.31	0.0000000	0.00	0.2166446	0.22	0.0011128	12.84	0.0622016	38.52	18.00720	0.14	0.0104707	1.47	405.3009	0.58	718.266	0.31	0.0000000	0.00	0.0688415	2.66
16D07193	18.5 %	✓	1.447523	0.34	0.0000000	0.00	0.0012118	2.15	0.0000042	58.70	4.55038	2.14	0.2705420	0.34	0.0000000	0.00	0.0590303	0.47	0.0003267	13.00	0.0399559	58.70	4.90652	0.44	0.0030742	2.51	110.9894	1.47	427.743	0.34	0.0000000	0.00	0.0187576	2.70
16D07194	21.5 %	✓	0.830740	0.43	0.0000000	0.00	0.0013799	1.87	0.0000057	48.00	5.18191	1.86	0.1552654	0.43	0.0000000	0.00	0.0750048	0.40	0.0003721	12.95	0.0545002	48.01	6.23430	0.36	0.0035009	2.28	141.6956	0.91	245.484	0.43	0.0000000	0.00	0.0238337	2.68
16D07196	24.5 %	✓	1.285410	0.35	0.0000000	0.00	0.0016632	1.54	0.0000055	44.43	6.24560	1.53	0.2402431	0.35	0.0000000	0.00	0.0654635	0.48	0.0004484	12.91	0.0521838	44.44	5.44123	0.45	0.0042195	2.02	121.9485	1.26	379.839	0.35	0.0000000	0.00	0.0208018	2.70
		Σ	35.310192	0.09	0.0000000	0.00	0.0451200	0.28	0.0000872	13.74	169.43307	0.28	6.5994748	0.09	0.0000000	0.00	4.7986021	0.05	0.0121653	3.20	0.8290290	13.74	398.85314	0.03	0.1144690	0.43	9167.5124	0.11	10434.162	0.09	0.0000000	0.00	1.5248156	0.64
		Σ							35.355399	0.09	169.43307	0.28									12.239271	0.93			398.96761	0.03							19603.199	0.07

Additional Parameters			40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
16D07165	1.0 %		83.219140	0.181940	0.288262	0.008318	0.196891	0.000736	64.695	3.597814	1.00045748	4.823E-11
16D07167	1.4 %		56.149942	0.135291	0.376261	0.008337	0.109240	0.000454	64.707	3.598653	1.00045756	3.029E-11
16D07168	1.8 %		56.448216	0.102656	0.379307	0.006564	0.110053	0.000403	64.712	3.599048	1.00045760	4.022E-11
16D07170	2.0 %		50.174451	0.136773	0.281139	0.009160	0.091611	0.000423	64.724	3.599887	1.00045768	2.455E-11
16D07171	2.4 %		37.835516	0.123080	0.285012	0.010330	0.047839	0.000318	64.731	3.600331	1.00045773	1.707E-11
16D07172	2.8 %		46.462792	0.083272	0.265671	0.005661	0.078175	0.000297	64.736	3.600727	1.00045776	3.727E-11
16D07174	3.2 %		27.718630	0.072875	0.228746	0.006803	0.015061	0.000179	64.748	3.601566	1.00045785	1.852E-11
16D07175	3.6 %		31.456603	0.102032	0.224396	0.009031	0.027159	0.000250	64.753	3.601962	1.00045789	1.595E-11
16D07176	4.0 %		124.237410	0.188972	0.254727	0.005521	0.342416	0.001092	64.760	3.602406	1.00045793	1.040E-10
16D07178	4.5 %		26.444059	0.078530	0.273264	0.007513	0.011359	0.000188	64.772	3.603246	1.00045801	1.636E-11
16D07179	5.0 %		108.513632	0.172151	0.358770	0.006043	0.290073	0.000942	64.777	3.603642	1.00045805	8.241E-11
16D07180	5.5 %		33.122471	0.073852	0.452563	0.006166	0.033981	0.000198	64.783	3.604087	1.00045810	2.453E-11
16D07182	6.0 %		30.422203	0.062969	0.487607	0.005690	0.025040	0.000166	64.795	3.604927	1.00045818	2.525E-11
16D07183	6.7 %		32.818716	0.076458	0.484456	0.006713	0.033414	0.000200	64.801	3.605323	1.00045822	2.365E-11
16D07184	7.4 %	✓	43.585043	0.060417	0.530082	0.004284	0.071344	0.000248	64.807	3.605768	1.00045826	5.077E-11
16D07186	8.3 %	✓	33.020634	0.040112	0.516111	0.003227	0.035124	0.000133	64.819	3.606609	1.00045835	5.203E-11
16D07187	9.5 %	✓	34.699471	0.037830	0.482539	0.002865	0.040925	0.000142	64.824	3.607005	1.00045839	6.232E-11
16D07188	11.0 %	✓	43.062099	0.040415	0.328415	0.002336	0.069230	0.000212	64.831	3.607450	1.00045843	9.427E-11
16D07190	13.0 %	✓	33.670107	0.041272	0.315546	0.003071	0.037756	0.000143	64.842	3.608291	1.00045851	5.077E-11
16D07191	15.5 %	✓	62.362990	0.099057	0.860176	0.005788	0.135135	0.000459	64.848	3.608687	1.00045855	5.393E-11
16D07193	18.5 %	✓	109.734447	0.508707	0.926835	0.020258	0.295083	0.001643	64.860	3.609578	1.00045864	2.586E-11
16D07194	21.5 %	✓	62.073692	0.254625	0.830727	0.015774	0.133401	0.000745	64.866	3.609974	1.00045868	1.859E-11
16D07196	24.5 %	✓	92.151743	0.439162	1.146939	0.018280	0.236358	0.001357	64.878	3.610816	1.00045876	2.409E-11

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
16D07165	1.0 %	0.0051496 ± 0.0021671	0.0214156 ± 0.0180804	0.0320349 ± 0.0165292	0.0030234 ± 0.0158773	1.5058221 ± 0.7519132
16D07167	1.4 %	0.0068759 ± 0.0021671	0.0198030 ± 0.0180804	0.0307391 ± 0.0165292	0.0106548 ± 0.0158773	2.1182765 ± 0.7519132
16D07168	1.8 %	0.0072952 ± 0.0021671	0.0189760 ± 0.0180804	0.0303758 ± 0.0165292	0.0122298 ± 0.0158773	2.2701148 ± 0.7519132
16D07170	2.0 %	0.0075481 ± 0.0021671	0.0172058 ± 0.0180804	0.0300605 ± 0.0165292	0.0123625 ± 0.0158773	2.3707119 ± 0.7519132
16D07171	2.4 %	0.0074099 ± 0.0021671	0.0163117 ± 0.0180804	0.0301146 ± 0.0165292	0.0110936 ± 0.0158773	2.3289876 ± 0.7519132
16D07172	2.8 %	0.0071709 ± 0.0021671	0.0155670 ± 0.0180804	0.0302735 ± 0.0165292	0.0094151 ± 0.0158773	2.2511594 ± 0.7519132
16D07174	3.2 %	0.0064161 ± 0.0021671	0.0142026 ± 0.0180804	0.0309008 ± 0.0165292	0.0047553 ± 0.0158773	1.9983723 ± 0.7519132
16D07175	3.6 %	0.0059916 ± 0.0021671	0.0136854 ± 0.0180804	0.0313065 ± 0.0165292	0.0023028 ± 0.0158773	1.8545238 ± 0.7519132
16D07176	4.0 %	0.0054934 ± 0.0021671	0.0132121 ± 0.0180804	0.0318267 ± 0.0165292	0.0004793 ± 0.0158773	1.6848868 ± 0.7519132
16D07178	4.5 %	0.0045706 ± 0.0021671	0.0126517 ± 0.0180804	0.0329334 ± 0.0165292	0.0053818 ± 0.0158773	1.3688607 ± 0.7519132
16D07179	5.0 %	0.0041737 ± 0.0021671	0.0125421 ± 0.0180804	0.0334830 ± 0.0165292	0.0073724 ± 0.0158773	1.2322810 ± 0.7519132
16D07180	5.5 %	0.0037731 ± 0.0021671	0.0125341 ± 0.0180804	0.0341018 ± 0.0165292	0.0092755 ± 0.0158773	1.0940731 ± 0.7519132
16D07182	6.0 %	0.0031838 ± 0.0021671	0.0128288 ± 0.0180804	0.0352108 ± 0.0165292	0.0117142 ± 0.0158773	0.8899244 ± 0.7519132
16D07183	6.7 %	0.0029918 ± 0.0021671	0.0130906 ± 0.0180804	0.0356771 ± 0.0165292	0.0122882 ± 0.0158773	0.8231198 ± 0.7519132
16D07184	7.4 %	0.0028436 ± 0.0021671	0.0134616 ± 0.0180804	0.0361374 ± 0.0165292	0.0124822 ± 0.0158773	0.7714364 ± 0.7519132
16D07186	8.3 %	0.0027510 ± 0.0021671	0.0143151 ± 0.0180804	0.0367572 ± 0.0165292	0.0115940 ± 0.0158773	0.7392525 ± 0.7519132
16D07187	9.5 %	0.0027822 ± 0.0021671	0.0147490 ± 0.0180804	0.0369067 ± 0.0165292	0.0106641 ± 0.0158773	0.7505984 ± 0.7519132
16D07188	11.0 %	0.0028621 ± 0.0021671	0.0152285 ± 0.0180804	0.0369436 ± 0.0165292	0.0092946 ± 0.0158773	0.7796372 ± 0.7519132
16D07190	13.0 %	0.0030909 ± 0.0021671	0.0159975 ± 0.0180804	0.0365687 ± 0.0165292	0.0060595 ± 0.0158773	0.8644766 ± 0.7519132
16D07191	15.5 %	0.0032042 ± 0.0021671	0.0162404 ± 0.0180804	0.0361611 ± 0.0165292	0.0044057 ± 0.0158773	0.9082169 ± 0.7519132
16D07193	18.5 %	0.0033634 ± 0.0021671	0.0163175 ± 0.0180804	0.0346133 ± 0.0165292	0.0009773 ± 0.0158773	0.9791911 ± 0.7519132
16D07194	21.5 %	0.0033454 ± 0.0021671	0.0160681 ± 0.0180804	0.0336134 ± 0.0165292	0.0001642 ± 0.0158773	0.9831703 ± 0.7519132
16D07196	24.5 %	0.0029876 ± 0.0021671	0.0147442 ± 0.0180804	0.0307679 ± 0.0165292	0.0010500 ± 0.0158773	0.8889037 ± 0.7519132

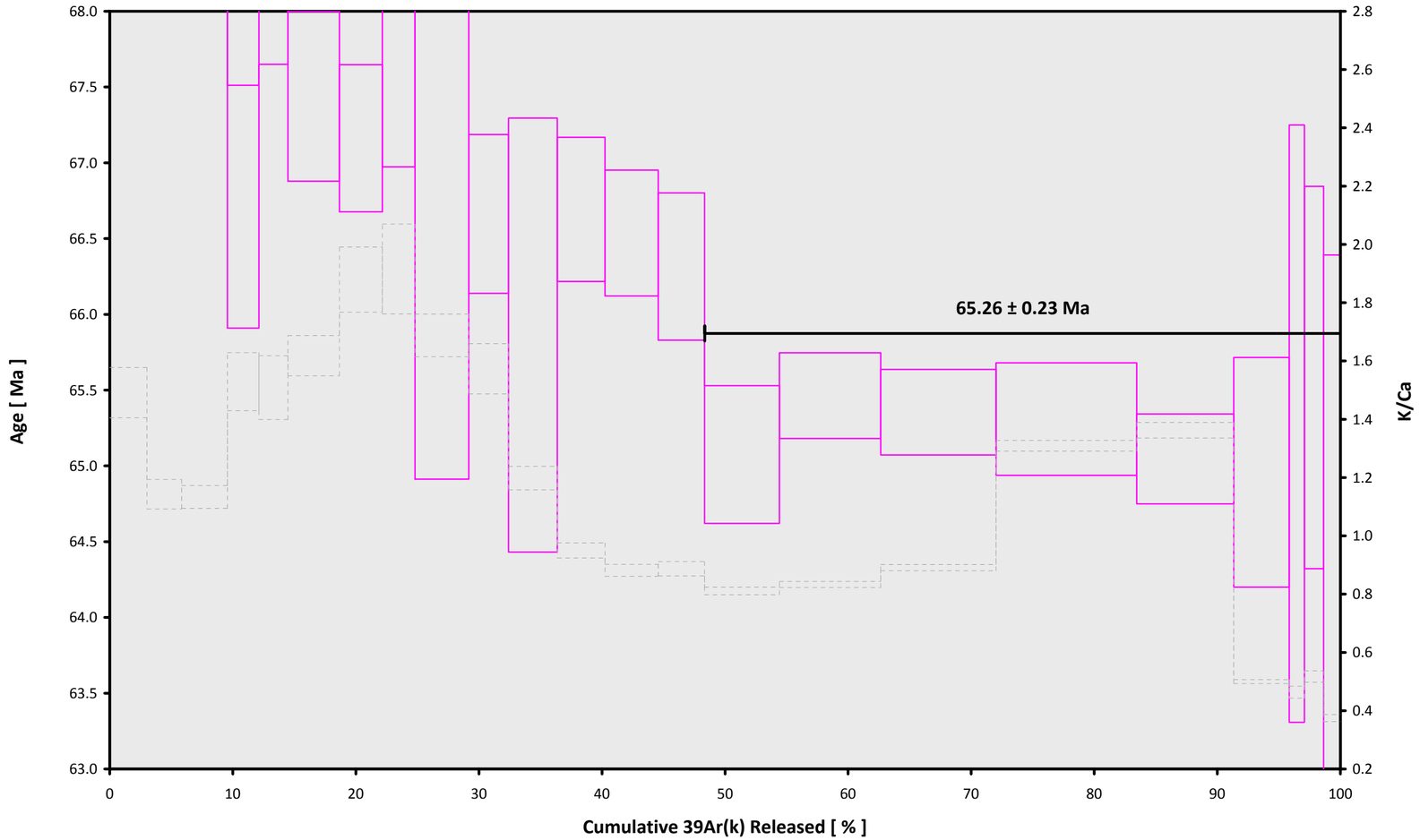
Intercept Values		36Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	37Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	38Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	39Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	40Ar ± 1σ (SE) [fA]	r2	Regression (type,n)
16D07165	1.0 %	2.2560588 ± 0.0026174	0.9735	EXP 150 of 150	0.9239525 ± 0.0201710	0.0318	EXP 150 of 150	0.6899828 ± 0.0170837	0.0266	EXP 150 of 150	11.9734074 ± 0.0169973	0.9176	EXP 150 of 150	1006.22842 ± 0.05522	0.9998	EXP 150 of 150
16D07167	1.4 %	1.1694904 ± 0.0016328	0.9533	EXP 150 of 150	1.1286736 ± 0.0174667	0.0696	EXP 150 of 150	0.4520196 ± 0.0183231	0.0182	EXP 150 of 150	11.1386683 ± 0.0153994	0.9363	EXP 150 of 150	633.21131 ± 0.04614	0.9996	EXP 150 of 150
16D07168	1.8 %	1.5542856 ± 0.0018797	0.9673	EXP 150 of 150	1.5100231 ± 0.0187022	0.1202	EXP 150 of 150	0.5883045 ± 0.0170424	0.0357	EXP 150 of 150	14.7136121 ± 0.0138999	0.9708	EXP 150 of 150	840.23525 ± 0.05037	0.9997	EXP 150 of 150
16D07170	2.0 %	0.8918699 ± 0.0014084	0.9429	EXP 150 of 150	0.7608547 ± 0.0175488	0.0115	EXP 150 of 150	0.3586621 ± 0.0176065	0.0239	EXP 150 of 150	10.1001151 ± 0.0155174	0.9194	EXP 150 of 150	513.85917 ± 0.03620	0.9996	EXP 150 of 150
16D07171	2.4 %	0.4330761 ± 0.0009307	0.8401	EXP 150 of 150	0.7106755 ± 0.0189799	0.0500	EXP 150 of 150	0.2574908 ± 0.0169545	0.0017	EXP 150 of 150	9.3103330 ± 0.0154706	0.9124	EXP 150 of 150	357.86016 ± 0.03293	0.9989	EXP 150 of 150
16D07172	2.8 %	1.2441440 ± 0.0015774	0.9648	EXP 150 of 150	1.1893649 ± 0.0178377	0.0759	EXP 150 of 150	0.5164694 ± 0.0174015	0.0224	EXP 149 of 150	16.5667555 ± 0.0157955	0.9742	EXP 149 of 150	778.65053 ± 0.04704	0.9997	EXP 150 of 150
16D07174	3.2 %	0.2049146 ± 0.0006615	0.3708	EXP 149 of 150	0.8497327 ± 0.0180383	0.0938	EXP 150 of 150	0.2471999 ± 0.0172492	0.0092	EXP 150 of 150	13.8020922 ± 0.0159701	0.9644	EXP 150 of 150	387.79816 ± 0.03512	0.9992	EXP 150 of 150
16D07175	3.6 %	0.2775717 ± 0.0007716	0.7159	EXP 150 of 150	0.6292720 ± 0.0183673	0.0448	EXP 150 of 150	0.2078641 ± 0.0167889	0.0010	EXP 150 of 150	10.4733495 ± 0.0170410	0.9291	EXP 150 of 150	334.04610 ± 0.03166	0.9990	EXP 150 of 150
16D07176	4.0 %	5.6626390 ± 0.0034356	0.9935	EXP 150 of 150	1.1925024 ± 0.0184892	0.0738	EXP 150 of 150	1.3857025 ± 0.0177138	0.1391	EXP 150 of 150	17.3081229 ± 0.0164705	0.9672	EXP 150 of 150	2169.31946 ± 0.07335	0.9999	EXP 150 of 150
16D07178	4.5 %	0.1432098 ± 0.0005978	0.0430	EXP 150 of 150	0.9426699 ± 0.0187760	0.0656	EXP 150 of 150	0.2398507 ± 0.0163842	0.0104	EXP 150 of 150	12.7914662 ± 0.0178859	0.9532	EXP 150 of 150	342.21741 ± 0.03185	0.9990	EXP 150 of 150
16D07179	5.0 %	4.3498001 ± 0.0030802	0.9912	EXP 150 of 150	1.5268114 ± 0.0179498	0.1432	EXP 150 of 150	1.0923530 ± 0.0179313	0.0953	EXP 150 of 150	15.7015949 ± 0.0145125	0.9707	EXP 150 of 150	1718.03303 ± 0.06538	0.9999	EXP 150 of 150
16D07180	5.5 %	0.5002858 ± 0.0010876	0.8632	EXP 150 of 150	1.8811190 ± 0.0173710	0.2722	EXP 150 of 150	0.3191761 ± 0.0167336	0.0001	EXP 150 of 150	15.3163464 ± 0.0173253	0.9673	EXP 150 of 150	512.19967 ± 0.03662	0.9995	EXP 150 of 150
16D07182	6.0 %	0.4131580 ± 0.0010370	0.8125	EXP 150 of 150	2.2728264 ± 0.0182631	0.2570	EXP 150 of 150	0.3271152 ± 0.0168711	0.0002	EXP 150 of 150	17.1636340 ± 0.0165751	0.9780	EXP 150 of 150	526.90627 ± 0.03789	0.9996	EXP 150 of 150
16D07183	6.7 %	0.4779468 ± 0.0010169	0.8801	EXP 150 of 150	1.9582136 ± 0.0194428	0.2698	EXP 150 of 150	0.3293071 ± 0.0167655	0.0183	EXP 150 of 150	14.9031340 ± 0.0182979	0.9608	EXP 150 of 150	493.47121 ± 0.03879	0.9995	EXP 150 of 150
16D07184	7.4 %	1.6422649 ± 0.0019716	0.9724	EXP 150 of 150	3.4731199 ± 0.0189410	0.5490	EXP 149 of 150	0.6476085 ± 0.0155780	0.0244	EXP 150 of 150	24.0854811 ± 0.0175899	0.9862	EXP 150 of 150	1058.47398 ± 0.05000	0.9999	EXP 150 of 150
16D07186	8.3 %	1.0945738 ± 0.0015467	0.9575	EXP 150 of 150	4.5766761 ± 0.0178328	0.7031	EXP 150 of 150	0.6693682 ± 0.0198159	0.0739	EXP 150 of 150	32.5756005 ± 0.0181140	0.9925	EXP 150 of 150	1084.71398 ± 0.05209	0.9999	EXP 150 of 150
16D07187	9.5 %	1.4526600 ± 0.0017641	0.9680	EXP 150 of 150	4.8768613 ± 0.0178000	0.7605	EXP 150 of 150	0.7982103 ± 0.0163923	0.0865	EXP 150 of 150	37.1250110 ± 0.0175277	0.9948	EXP 150 of 150	1299.00741 ± 0.05978	0.9999	EXP 150 of 150
16D07188	11.0 %	2.9926575 ± 0.0024640	0.9868	EXP 150 of 150	4.0425204 ± 0.0192481	0.5233	EXP 150 of 150	1.1751918 ± 0.0163698	0.0638	EXP 150 of 150	45.2509242 ± 0.0183666	0.9960	EXP 150 of 150	1964.72495 ± 0.07133	0.9999	EXP 150 of 150
16D07190	13.0 %	1.1261636 ± 0.0016179	0.9566	EXP 150 of 150	2.6687187 ± 0.0171661	0.4357	EXP 150 of 150	0.6617957 ± 0.0176060	0.0588	EXP 150 of 150	31.1671248 ± 0.0167856	0.9931	EXP 150 of 150	1058.54081 ± 0.05157	0.9999	EXP 150 of 150
16D07191	15.5 %	2.3087612 ± 0.0024092	0.9807	EXP 150 of 150	4.1810131 ± 0.0173815	0.6689	EXP 150 of 150	0.7592889 ± 0.0167306	0.0780	EXP 150 of 150	17.8776186 ± 0.0163707	0.9761	EXP 150 of 150	1124.54401 ± 0.05218	0.9999	EXP 150 of 150
16D07193	18.5 %	1.3751929 ± 0.0016866	0.9707	EXP 150 of 150	1.2157073 ± 0.0189001	0.1667	EXP 149 of 150	0.3988643 ± 0.0160931	0.0216	EXP 150 of 150	4.8712038 ± 0.0141694	0.6378	EXP 150 of 150	539.73031 ± 0.03845	0.9996	EXP 150 of 150
16D07194	21.5 %	0.7912964 ± 0.0013875	0.9378	EXP 150 of 150	1.3867916 ± 0.0185000	0.1463	EXP 150 of 150	0.3144354 ± 0.0197376	0.0345	EXP 150 of 150	6.1876227 ± 0.0151808	0.8331	EXP 150 of 150	388.18641 ± 0.03319	0.9992	EXP 150 of 150
16D07196	24.5 %	1.2217390 ± 0.0016651	0.9662	EXP 150 of 150	1.6756865 ± 0.0178621	0.2311	EXP 150 of 150	0.3836773 ± 0.0157147	0.0264	EXP 150 of 150	5.4007425 ± 0.0182199	0.6898	EXP 150 of 150	502.69686 ± 0.03542	0.9996	EXP 150 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
16D07165	1.0 %	Dan Miggins	15-OSU-07	0.00	0.00	47.48	Walvis Ridge\MV1203 (13-INT-04)	16D07164	01
16D07167	1.4 %	Dan Miggins	15-OSU-07	0.00	0.00	47.48	Walvis Ridge\MV1203 (13-INT-04)	16D07164	01
16D07168	1.8 %	Dan Miggins	15-OSU-07	0.00	0.00	47.48	Walvis Ridge\MV1203 (13-INT-04)	16D07164	01
16D07170	2.0 %	Dan Miggins	15-OSU-07	0.00	0.00	47.48	Walvis Ridge\MV1203 (13-INT-04)	16D07164	01
16D07171	2.4 %	Dan Miggins	15-OSU-07	0.00	0.00	47.48	Walvis Ridge\MV1203 (13-INT-04)	16D07164	01
16D07172	2.8 %	Dan Miggins	15-OSU-07	0.00	0.00	47.48	Walvis Ridge\MV1203 (13-INT-04)	16D07164	01
16D07174	3.2 %	Dan Miggins	15-OSU-07	0.00	0.00	47.48	Walvis Ridge\MV1203 (13-INT-04)	16D07164	01
16D07175	3.6 %	Dan Miggins	15-OSU-07	0.00	0.00	47.48	Walvis Ridge\MV1203 (13-INT-04)	16D07164	01
16D07176	4.0 %	Dan Miggins	15-OSU-07	0.00	0.00	47.48	Walvis Ridge\MV1203 (13-INT-04)	16D07164	01
16D07178	4.5 %	Dan Miggins	15-OSU-07	0.00	0.00	47.48	Walvis Ridge\MV1203 (13-INT-04)	16D07164	01
16D07179	5.0 %	Dan Miggins	15-OSU-07	0.00	0.00	47.48	Walvis Ridge\MV1203 (13-INT-04)	16D07164	01
16D07180	5.5 %	Dan Miggins	15-OSU-07	0.00	0.00	47.48	Walvis Ridge\MV1203 (13-INT-04)	16D07164	01
16D07182	6.0 %	Dan Miggins	15-OSU-07	0.00	0.00	47.48	Walvis Ridge\MV1203 (13-INT-04)	16D07164	01
16D07183	6.7 %	Dan Miggins	15-OSU-07	0.00	0.00	47.48	Walvis Ridge\MV1203 (13-INT-04)	16D07164	01
16D07184	7.4 %	Dan Miggins	15-OSU-07	0.00	0.00	47.48	Walvis Ridge\MV1203 (13-INT-04)	16D07164	01
16D07186	8.3 %	Dan Miggins	15-OSU-07	0.00	0.00	47.48	Walvis Ridge\MV1203 (13-INT-04)	16D07164	01
16D07187	9.5 %	Dan Miggins	15-OSU-07	0.00	0.00	47.48	Walvis Ridge\MV1203 (13-INT-04)	16D07164	01
16D07188	11.0 %	Dan Miggins	15-OSU-07	0.00	0.00	47.48	Walvis Ridge\MV1203 (13-INT-04)	16D07164	01
16D07190	13.0 %	Dan Miggins	15-OSU-07	0.00	0.00	47.48	Walvis Ridge\MV1203 (13-INT-04)	16D07164	01
16D07191	15.5 %	Dan Miggins	15-OSU-07	0.00	0.00	47.48	Walvis Ridge\MV1203 (13-INT-04)	16D07164	01
16D07193	18.5 %	Dan Miggins	15-OSU-07	0.00	0.00	47.48	Walvis Ridge\MV1203 (13-INT-04)	16D07164	01
16D07194	21.5 %	Dan Miggins	15-OSU-07	0.00	0.00	47.48	Walvis Ridge\MV1203 (13-INT-04)	16D07164	01
16D07196	24.5 %	Dan Miggins	15-OSU-07	0.00	0.00	47.48	Walvis Ridge\MV1203 (13-INT-04)	16D07164	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
16D07165	1.0 %	MV1203-D15-07	K-Feldspar	Bulkington East	FCT-NM (7A27-15)	28.201	0.082	Kuiper et al (2008)	9.67233	0.147	0.00162499	0.147	304.724	0.136	0.9924227	0.067	1	4.8E-14	21	FEB	2016	7	10	1
16D07167	1.4 %	MV1203-D15-07	K-Feldspar	Bulkington East	FCT-NM (7A27-15)	28.201	0.082	Kuiper et al (2008)	9.67233	0.147	0.00162499	0.147	304.724	0.136	0.9924227	0.067	1	4.8E-14	21	FEB	2016	7	27	1
16D07168	1.8 %	MV1203-D15-07	K-Feldspar	Bulkington East	FCT-NM (7A27-15)	28.201	0.082	Kuiper et al (2008)	9.67233	0.147	0.00162499	0.147	304.724	0.136	0.9924227	0.067	1	4.8E-14	21	FEB	2016	7	35	1
16D07170	2.0 %	MV1203-D15-07	K-Feldspar	Bulkington East	FCT-NM (7A27-15)	28.201	0.082	Kuiper et al (2008)	9.67233	0.147	0.00162499	0.147	304.724	0.136	0.9924227	0.067	1	4.8E-14	21	FEB	2016	7	52	1
16D07171	2.4 %	MV1203-D15-07	K-Feldspar	Bulkington East	FCT-NM (7A27-15)	28.201	0.082	Kuiper et al (2008)	9.67233	0.147	0.00162499	0.147	304.724	0.136	0.9924227	0.067	1	4.8E-14	21	FEB	2016	8	1	1
16D07172	2.8 %	MV1203-D15-07	K-Feldspar	Bulkington East	FCT-NM (7A27-15)	28.201	0.082	Kuiper et al (2008)	9.67233	0.147	0.00162499	0.147	304.724	0.136	0.9924227	0.067	1	4.8E-14	21	FEB	2016	8	9	1
16D07174	3.2 %	MV1203-D15-07	K-Feldspar	Bulkington East	FCT-NM (7A27-15)	28.201	0.082	Kuiper et al (2008)	9.67233	0.147	0.00162499	0.147	304.724	0.136	0.9924227	0.067	1	4.8E-14	21	FEB	2016	8	26	1
16D07175	3.6 %	MV1203-D15-07	K-Feldspar	Bulkington East	FCT-NM (7A27-15)	28.201	0.082	Kuiper et al (2008)	9.67233	0.147	0.00162499	0.147	304.724	0.136	0.9924227	0.067	1	4.8E-14	21	FEB	2016	8	34	1
16D07176	4.0 %	MV1203-D15-07	K-Feldspar	Bulkington East	FCT-NM (7A27-15)	28.201	0.082	Kuiper et al (2008)	9.67233	0.147	0.00162499	0.147	304.724	0.136	0.9924227	0.067	1	4.8E-14	21	FEB	2016	8	43	1
16D07178	4.5 %	MV1203-D15-07	K-Feldspar	Bulkington East	FCT-NM (7A27-15)	28.201	0.082	Kuiper et al (2008)	9.67233	0.147	0.00162499	0.147	304.724	0.136	0.9924227	0.067	1	4.8E-14	21	FEB	2016	9	0	1
16D07179	5.0 %	MV1203-D15-07	K-Feldspar	Bulkington East	FCT-NM (7A27-15)	28.201	0.082	Kuiper et al (2008)	9.67233	0.147	0.00162499	0.147	304.724	0.136	0.9924227	0.067	1	4.8E-14	21	FEB	2016	9	8	1
16D07180	5.5 %	MV1203-D15-07	K-Feldspar	Bulkington East	FCT-NM (7A27-15)	28.201	0.082	Kuiper et al (2008)	9.67233	0.147	0.00162499	0.147	304.724	0.136	0.9924227	0.067	1	4.8E-14	21	FEB	2016	9	17	1
16D07182	6.0 %	MV1203-D15-07	K-Feldspar	Bulkington East	FCT-NM (7A27-15)	28.201	0.082	Kuiper et al (2008)	9.67233	0.147	0.00162499	0.147	304.724	0.136	0.9924227	0.067	1	4.8E-14	21	FEB	2016	9	34	1
16D07183	6.7 %	MV1203-D15-07	K-Feldspar	Bulkington East	FCT-NM (7A27-15)	28.201	0.082	Kuiper et al (2008)	9.67233	0.147	0.00162499	0.147	304.724	0.136	0.9924227	0.067	1	4.8E-14	21	FEB	2016	9	42	1
16D07184	7.4 %	MV1203-D15-07	K-Feldspar	Bulkington East	FCT-NM (7A27-15)	28.201	0.082	Kuiper et al (2008)	9.67233	0.147	0.00162499	0.147	304.724	0.136	0.9924227	0.067	1	4.8E-14	21	FEB	2016	9	51	1
16D07186	8.3 %	MV1203-D15-07	K-Feldspar	Bulkington East	FCT-NM (7A27-15)	28.201	0.082	Kuiper et al (2008)	9.67233	0.147	0.00162499	0.147	304.724	0.136	0.9924227	0.067	1	4.8E-14	21	FEB	2016	10	8	1
16D07187	9.5 %	MV1203-D15-07	K-Feldspar	Bulkington East	FCT-NM (7A27-15)	28.201	0.082	Kuiper et al (2008)	9.67233	0.147	0.00162499	0.147	304.724	0.136	0.9924227	0.067	1	4.8E-14	21	FEB	2016	10	16	1
16D07188	11.0 %	MV1203-D15-07	K-Feldspar	Bulkington East	FCT-NM (7A27-15)	28.201	0.082	Kuiper et al (2008)	9.67233	0.147	0.00162499	0.147	304.724	0.136	0.9924227	0.067	1	4.8E-14	21	FEB	2016	10	25	1
16D07190	13.0 %	MV1203-D15-07	K-Feldspar	Bulkington East	FCT-NM (7A27-15)	28.201	0.082	Kuiper et al (2008)	9.67233	0.147	0.00162499	0.147	304.724	0.136	0.9924227	0.067	1	4.8E-14	21	FEB	2016	10	42	1
16D07191	15.5 %	MV1203-D15-07	K-Feldspar	Bulkington East	FCT-NM (7A27-15)	28.201	0.082	Kuiper et al (2008)	9.67233	0.147	0.00162499	0.147	304.724	0.136	0.9924227	0.067	1	4.8E-14	21	FEB	2016	10	50	1
16D07193	18.5 %	MV1203-D15-07	K-Feldspar	Bulkington East	FCT-NM (7A27-15)	28.201	0.082	Kuiper et al (2008)	9.67233	0.147	0.00162499	0.147	304.724	0.136	0.9924227	0.067	1	4.8E-14	21	FEB	2016	11	8	1
16D07194	21.5 %	MV1203-D15-07	K-Feldspar	Bulkington East	FCT-NM (7A27-15)	28.201	0.082	Kuiper et al (2008)	9.67233	0.147	0.00162499	0.147	304.724	0.136	0.9924227	0.067	1	4.8E-14	21	FEB	2016	11	16	1
16D07196	24.5 %	MV1203-D15-07	K-Feldspar	Bulkington East	FCT-NM (7A27-15)	28.201	0.082	Kuiper et al (2008)	9.67233	0.147	0.00162499	0.147	304.724	0.136	0.9924227	0.067	1	4.8E-14	21	FEB	2016	11	33	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
16D07165	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
16D07167	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
16D07168	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
16D07170	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
16D07171	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
16D07172	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
16D07174	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
16D07175	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
16D07176	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
16D07178	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
16D07179	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
16D07180	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
16D07182	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
16D07183	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
16D07184	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
16D07186	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
16D07187	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
16D07188	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
16D07190	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
16D07191	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
16D07193	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
16D07194	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
16D07196	24.5 %	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

16D07164.AGE >>> MV1203-D15-07 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
65.26 ± 0.23
TOTAL FUSION
66.31 ± 0.24
NORMAL ISOCHRON
65.35 ± 0.32
INVERSE ISOCHRON
65.36 ± 0.32

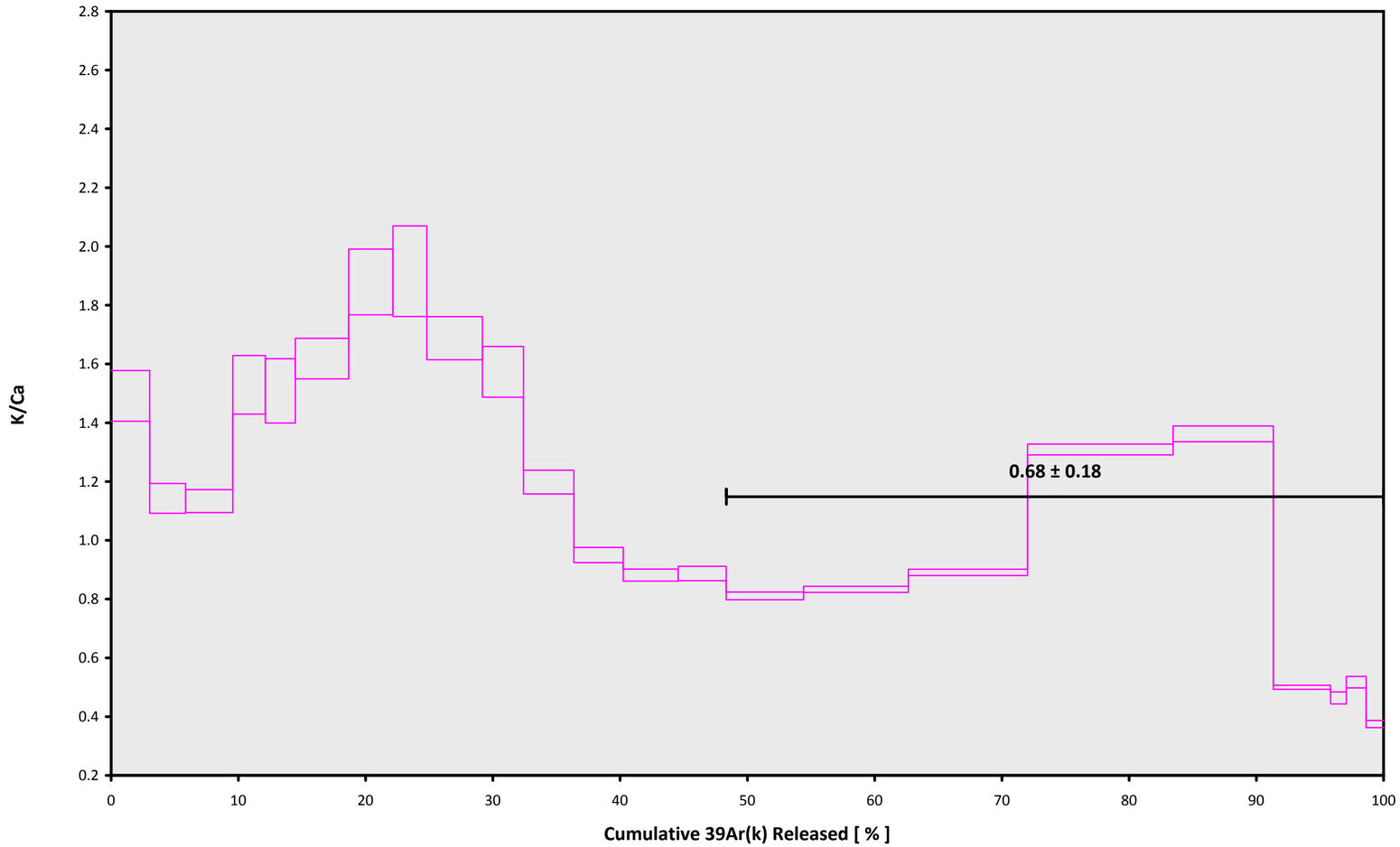
MSWD (PROBABILITY)
0.84 (57%)

Sample Info

K-Feldspar
Bulkington East
Dan Miggins

IRR = 15-OSU-07 (7A27-15)
J = 0.00162499 ± 0.00000239

16D07164.AGE >>> MV1203-D15-07 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

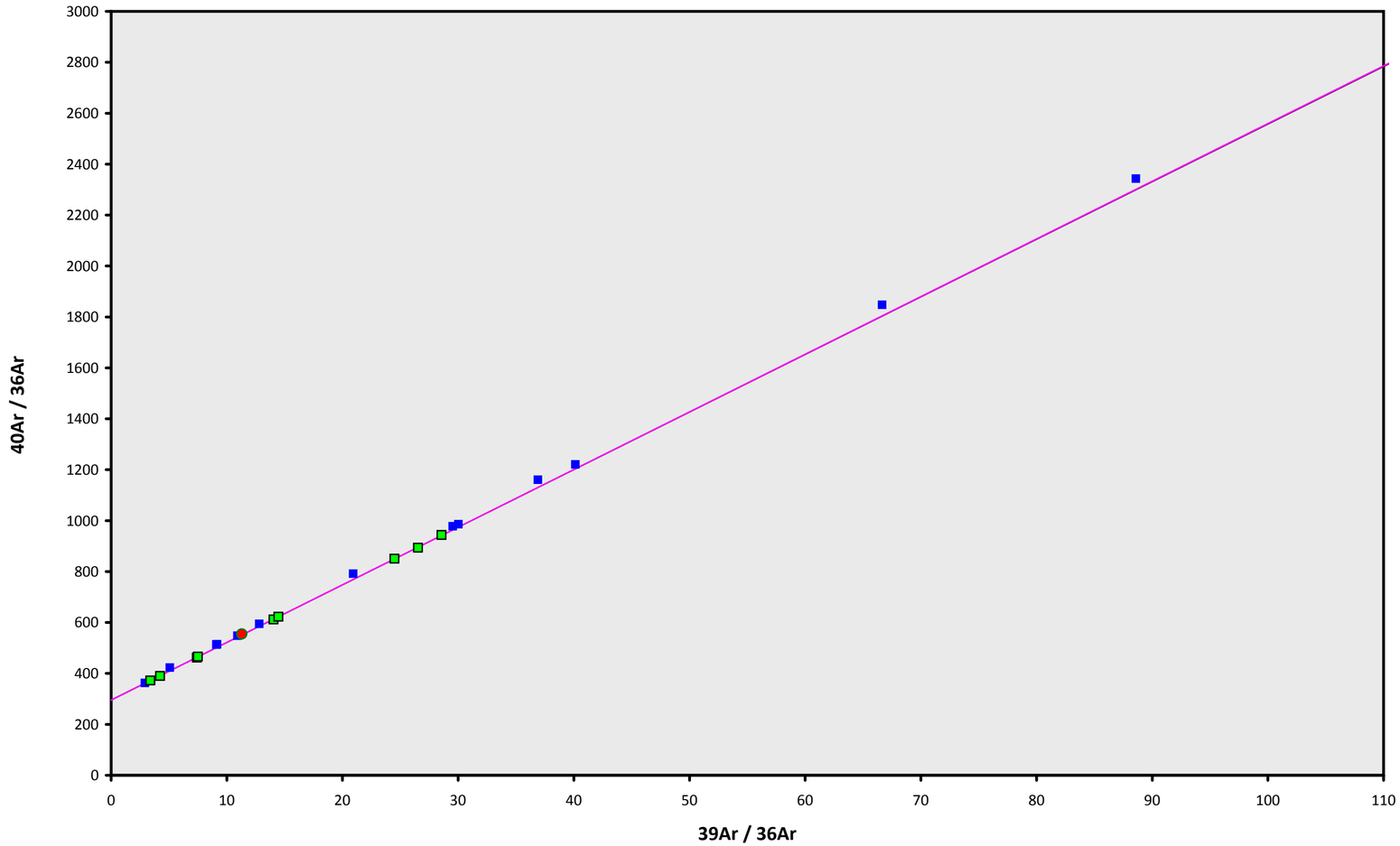
WEIGHTED PLATEAU
65.26 ± 0.23
TOTAL FUSION
66.31 ± 0.24
NORMAL ISOCHRON
65.35 ± 0.32
INVERSE ISOCHRON
65.36 ± 0.32

Sample Info

K-Feldspar
Bulkington East
Dan Miggins

IRR = 15-OSU-07 (7A27-15)
J = 0.00162499 ± 0.00000239

16D07164.AGE >>> MV1203-D15-07 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
65.26 ± 0.23
TOTAL FUSION
66.31 ± 0.24
NORMAL ISOCHRON
65.35 ± 0.32
INVERSE ISOCHRON
65.36 ± 0.32

MSWD (PROBABILITY)
0.86 (53%)

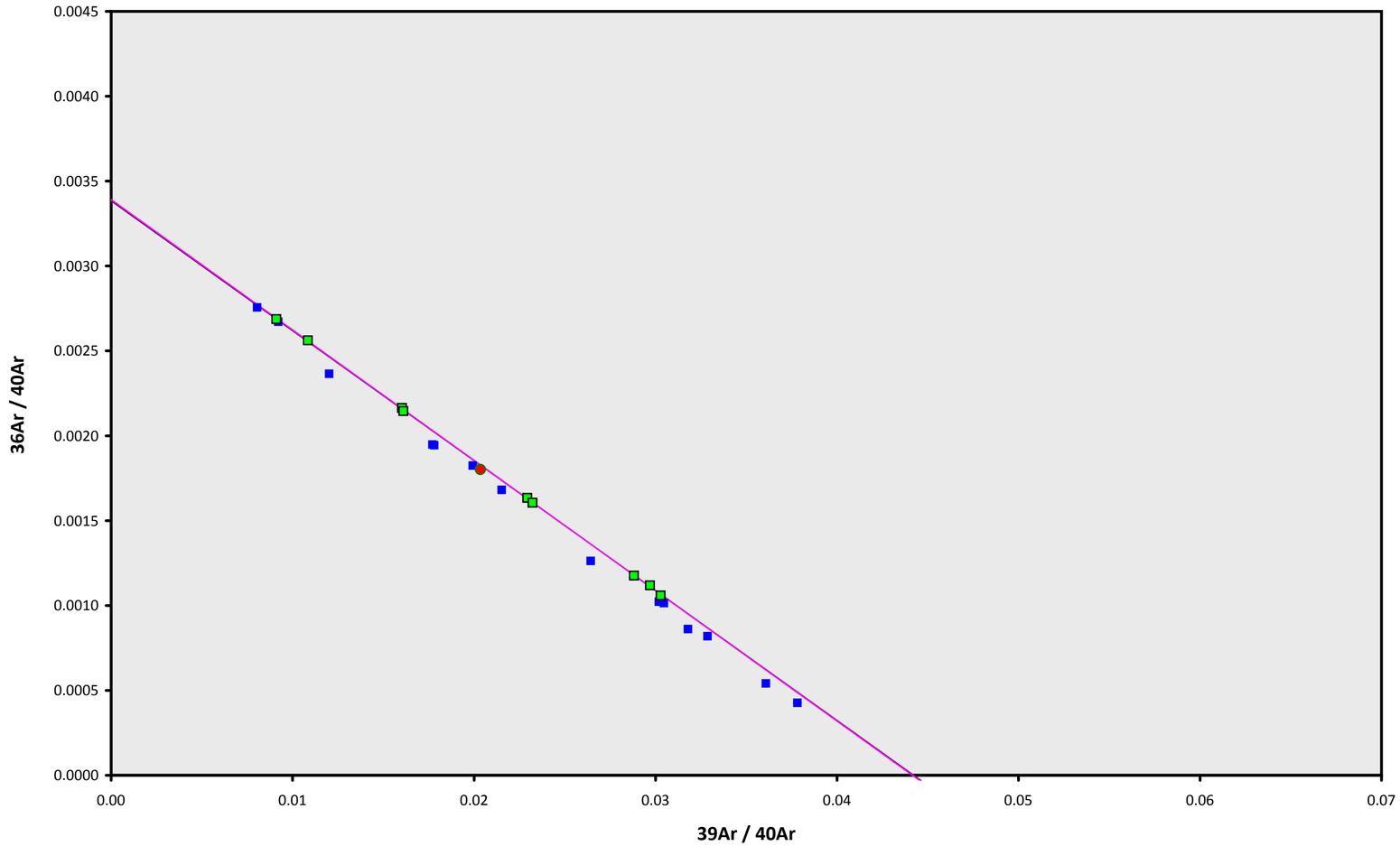
40AR/36AR INTERCEPT
294.9 ± 1.5

Sample Info

K-Feldspar
Bulkington East
Dan Miggins

IRR = 15-OSU-07 (7A27-15)
J = 0.00162499 ± 0.00000239

16D07164.AGE >>> MV1203-D15-07 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
65.26 ± 0.23
TOTAL FUSION
66.31 ± 0.24
NORMAL ISOCHRON
65.35 ± 0.32
INVERSE ISOCHRON
65.36 ± 0.32

MSWD (PROBABILITY)
0.86 (54%)

SPREADING FACTOR
47.9%

40AR/36AR INTERCEPT
294.9 ± 1.5

Sample Info

K-Feldspar
Bulkington East
Dan Miggins

IRR = 15-OSU-07 (7A27-15)
J = 0.00162499 ± 0.00000239