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
13D04518	2.8 %		1.233529	0.348	0.123303	731.215	0.544638	7.210	19.4429	0.427	437.250	0.105	3.73730 ± 0.14272	11.96 ± 0.46	16.62	0.41	67.8 ± 991.6
13D04520	3.4 %		0.709257	0.395	1.100104	77.033	0.555915	7.282	27.7070	0.303	314.537	0.146	3.78752 ± 0.07228	12.12 ± 0.23	33.36	0.59	10.8 ± 16.7
13D04521	4.0 %		0.580214	0.440	1.047535	87.462	0.518840	7.531	30.9793	0.273	286.676	0.160	3.71835 ± 0.06071	11.90 ± 0.19	40.18	0.65	12.7 ± 22.2
13D04522	4.6 %		0.433317	0.498	1.074658	78.212	0.486560	8.203	28.3045	0.298	233.126	0.197	3.71193 ± 0.05998	11.88 ± 0.19	45.07	0.60	11.3 ± 17.7
13D04524	5.2 %		0.896991	0.380	0.848765	99.019	1.013947	3.813	58.0884	0.156	480.088	0.096	3.69927 ± 0.03993	11.84 ± 0.13	44.76	1.23	29.4 ± 58.3
13D04525	6.0 %		1.034968	0.354	0.993342	82.908	1.332375	3.042	80.5015	0.123	602.869	0.076	3.68715 ± 0.03067	11.80 ± 0.10	49.23	1.70	34.8 ± 57.8
13D04526	6.8 %		0.515616	0.457	0.092280	966.448	1.010173	3.907	64.3188	0.144	388.280	0.119	3.66436 ± 0.02811	11.73 ± 0.09	60.70	1.36	299.7 ± 5793.0
13D04528	7.6 %		1.084882	0.355	0.127497	651.200	1.682484	2.320	104.7586	0.101	704.254	0.066	3.65885 ± 0.02460	11.71 ± 0.08	54.43	2.21	353.3 ± 4601.5
13D04529	8.4 %	✓	1.801972	0.311	2.385350	37.955	2.846523	1.373	176.8635	0.079	1175.460	0.040	3.63286 ± 0.02030	11.63 ± 0.06	54.66	3.74	31.9 ± 24.2
13D04530	9.2 %	✓	3.334768	0.282	3.720686	24.112	4.971039	0.812	296.9097	0.069	2068.367	0.023	3.64476 ± 0.01965	11.66 ± 0.06	52.32	6.27	34.3 ± 16.5
13D04532	10.0 %	✓	2.782897	0.298	3.727303	23.749	4.694696	0.876	286.8984	0.070	1864.418	0.025	3.62960 ± 0.01815	11.61 ± 0.06	55.85	6.06	33.1 ± 15.7
13D04533	10.8 %	✓	2.605110	0.307	3.626534	24.758	4.838859	0.816	298.7096	0.069	1857.435	0.025	3.63842 ± 0.01689	11.64 ± 0.05	58.51	6.31	35.4 ± 17.5
13D04534	11.6 %	✓	2.940501	0.292	5.117719	16.182	5.284360	0.760	326.4303	0.068	2051.931	0.023	3.62171 ± 0.01659	11.59 ± 0.05	57.62	6.89	27.4 ± 8.9
13D04536	12.4 %	✓	2.706092	0.296	4.442899	19.612	5.622661	0.700	352.1309	0.068	2078.899	0.023	3.63025 ± 0.01458	11.62 ± 0.05	61.49	7.44	34.1 ± 13.4
13D04537	13.2 %	✓	2.921432	0.293	4.020012	21.947	6.150335	0.665	386.0546	0.067	2263.698	0.021	3.62470 ± 0.01419	11.60 ± 0.05	61.82	8.15	41.3 ± 18.1
13D04538	14.0 %	✓	2.650169	0.296	4.340096	19.609	5.995542	0.674	381.2176	0.067	2167.149	0.022	3.62780 ± 0.01331	11.61 ± 0.04	63.82	8.05	37.8 ± 14.8
13D04540	14.8 %	✓	2.039439	0.307	2.168958	40.475	4.970334	0.835	313.8523	0.069	1738.937	0.027	3.61736 ± 0.01315	11.58 ± 0.04	65.29	6.63	62.2 ± 50.4
13D04541	15.6 %	✓	1.776183	0.322	3.940489	21.953	4.416776	0.869	283.1921	0.070	1552.422	0.030	3.62596 ± 0.01339	11.60 ± 0.04	66.14	5.98	30.9 ± 13.6
13D04542	16.4 %	✓	1.225992	0.354	1.975192	43.661	3.236641	1.185	208.2213	0.076	1115.566	0.042	3.61483 ± 0.01421	11.57 ± 0.05	67.47	4.40	45.3 ± 39.6
13D04544	17.2 %	✓	1.801523	0.316	4.273697	20.241	5.039373	0.787	322.9892	0.069	1704.454	0.027	3.62635 ± 0.01191	11.60 ± 0.04	68.72	6.82	32.5 ± 13.2
13D04545	18.0 %	✓	0.893727	0.400	2.322580	37.423	2.449769	1.613	158.2084	0.082	837.200	0.055	3.61999 ± 0.01576	11.58 ± 0.05	68.41	3.34	29.3 ± 21.9
13D04546	18.8 %	✓	1.129135	0.365	2.068612	41.833	2.819860	1.383	176.2994	0.080	972.043	0.048	3.61834 ± 0.01587	11.58 ± 0.05	65.63	3.72	36.6 ± 30.7
13D04547	19.6 %	✓	1.122773	0.333	2.240913	39.415	3.183353	1.290	205.6070	0.075	1076.806	0.043	3.62078 ± 0.01286	11.59 ± 0.04	69.14	4.34	39.5 ± 31.1
13D04549	20.4 %	✓	0.800655	0.391	0.065203	1342.406	2.273811	1.830	146.8234	0.085	767.052	0.060	3.60928 ± 0.01538	11.55 ± 0.05	69.09	3.10	968.3 ± 25996.2
		Σ	39.021142	0.072	55.597121	7.667	75.938861	0.257	4734.5086	0.017	28738.914	0.008					

Information on Analysis and Constants Used in Calculations

Project = **MV1203 (13-INT-04)**
Sample = **MV1203-D43B-07**
Material = **Biotite**
Location = **Crawford Guyot**
Region = **Walvis Ridge**
Analyst = **Susan Schnur**
Irradiation = **13-OSU-05**
Position = **X: | Y: | Z/H: 9.31 mm**
FCT-NM Age = **28.201 ± 0.023 Ma**
FCT-NM Reference = **Kuiper et al (2008)**
FCT-NM 40Ar/39Ar Ratio = **8.85325 ± 0.01151**
FCT-NM J-value = **0.00177532 ± 0.00000231**
Air Shot 40Ar/36Ar = **302.7800 ± 0.2816**
Air Shot MDF = **0.99398127 ± 0.00062198 (LIN)**
Experiment Type = **Incremental Heating**
Extraction Method = **Bulk Laser Heating**
Heating = **60 sec**
Isolation = **5.52 min**
Instrument = **ARGUS-VI-D**
Preferred Age = **Plateau Age**
Age Classification = **Eruption Age**
IGSN = **IESS10019**
Rock Class = **Igneous>Volcanic>Mafic**
Lithology = **Trachyte**
Lat-Lon = **38°46.5'S - 10°41.3'W**

Age Equations = **Min et al. (2000)**
Negative Intensities = **Allowed**
Collector Calibrations = **40Ar 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		3.62417 ± 0.00400	**11.60 ± 0.03**	1.15	91.25	33.0 ± 4.3
		± 0.11%	**± 0.28%**	30%	16	
		Full External Error ± 0.26		1.73	2σ Confidence Limit	
		Analytical Error ± 0.01		1.0730	Error Magnification	
Total Fusion Age		3.63193 ± 0.00385	**11.62 ± 0.03**		24	36.6 ± 5.6
		± 0.11%	**± 0.28%**			
		Full External Error ± 0.26				
		Analytical Error ± 0.01				
Normal Isochron	**299.07 ± 2.38**	3.59922 ± 0.01705	**11.52 ± 0.06**	0.59	91.25	
	± 0.80%	± 0.47%	**± 0.54%**	88%	16	
		Full External Error ± 0.27		1.76	2σ Confidence Limit	
		Analytical Error ± 0.05		1.0000	Error Magnification	
				11	Number of Iterations	
				0.0000324458	Convergence	
Inverse Isochron	**299.04 ± 2.38**	3.59939 ± 0.01705	**11.52 ± 0.06**	0.59	91.25	
	± 0.80%	± 0.47%	**± 0.54%**	88%	16	
		Full External Error ± 0.27		1.76	2σ Confidence Limit	
		Analytical Error ± 0.05		1.0000	Error Magnification	
Notes				3	Number of Iterations	
Slight downwards slant, but age seems acceptable.				0.0000172696	Convergence	
				17%	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
13D04518	2.8 %		1.233543	0.123303	0.080179	19.4430	72.664	11.96 ± 0.46	16.62	0.41	67.8 ± 991.6
13D04520	3.4 %		0.708943	1.100104	0.090000	27.7063	104.938	12.12 ± 0.23	33.36	0.59	10.8 ± 16.7
13D04521	4.0 %		0.579926	1.047535	0.037673	30.9786	115.189	11.90 ± 0.19	40.18	0.65	12.7 ± 22.2
13D04522	4.6 %		0.433015	1.074658	0.065030	28.3038	105.062	11.88 ± 0.19	45.07	0.60	11.3 ± 17.7
13D04524	5.2 %		0.896730	0.848765	0.147433	58.0878	214.882	11.84 ± 0.13	44.76	1.23	29.4 ± 58.3
13D04525	6.0 %		1.034664	0.993342	0.170420	80.5008	296.818	11.80 ± 0.10	49.23	1.70	34.8 ± 57.8
13D04526	6.8 %		0.515559	0.092280	0.139990	64.3187	235.687	11.73 ± 0.09	60.70	1.36	299.7 ± 5793.0
13D04528	7.6 %		1.084797	0.127497	0.219377	104.7585	383.296	11.71 ± 0.08	54.43	2.21	353.3 ± 4601.5
13D04529	8.4 %	✓	1.801247	2.385350	0.381873	176.8619	642.515	11.63 ± 0.06	54.66	3.74	31.9 ± 24.2
13D04530	9.2 %	✓	3.333595	3.720686	0.775632	296.9072	1082.154	11.66 ± 0.06	52.32	6.27	34.3 ± 16.5
13D04532	10.0 %	✓	2.781735	3.727303	0.722878	286.8959	1041.318	11.61 ± 0.06	55.85	6.06	33.1 ± 15.7
13D04533	10.8 %	✓	2.603966	3.626534	0.758171	298.7071	1086.821	11.64 ± 0.05	58.51	6.31	35.4 ± 17.5
13D04534	11.6 %	✓	2.938949	5.117719	0.807461	326.4269	1182.223	11.59 ± 0.05	57.62	6.89	27.4 ± 8.9
13D04536	12.4 %	✓	2.704702	4.442899	0.880382	352.1279	1278.313	11.62 ± 0.05	61.49	7.44	34.1 ± 13.4
13D04537	13.2 %	✓	2.920135	4.020012	0.959684	386.0519	1399.322	11.60 ± 0.05	61.82	8.15	41.3 ± 18.1
13D04538	14.0 %	✓	2.648798	4.340096	0.913776	381.2146	1382.972	11.61 ± 0.04	63.82	8.05	37.8 ± 14.8
13D04540	14.8 %	✓	2.038670	2.168958	0.813212	313.8508	1135.310	11.58 ± 0.04	65.29	6.63	62.2 ± 50.4
13D04541	15.6 %	✓	1.774974	3.940489	0.677698	283.1895	1026.835	11.60 ± 0.04	66.14	5.98	30.9 ± 13.6
13D04542	16.4 %	✓	1.225348	1.975192	0.502387	208.2200	752.680	11.57 ± 0.05	67.47	4.40	45.3 ± 39.6
13D04544	17.2 %	✓	1.800193	4.273697	0.816762	322.9863	1171.262	11.60 ± 0.04	68.72	6.82	32.5 ± 13.2
13D04545	18.0 %	✓	0.893019	2.322580	0.379311	158.2068	572.708	11.58 ± 0.05	68.41	3.34	29.3 ± 21.9
13D04546	18.8 %	✓	1.128470	2.068612	0.487759	176.2980	637.906	11.58 ± 0.05	65.63	3.72	36.6 ± 30.7
13D04547	19.6 %	✓	1.122058	2.240913	0.499839	205.6055	744.452	11.59 ± 0.04	69.14	4.34	39.5 ± 31.1
13D04549	20.4 %	✓	0.800554	0.065203	0.357751	146.8233	529.927	11.55 ± 0.05	69.09	3.10	968.3 ± 25996.2
		Σ	39.003588	55.597121	11.684677	4734.4710	17195.254				

Information on Analysis

Project = **MV1203 (13-INT-04)**
Sample = **MV1203-D43B-07**
Material = **Biotite**
Location = **Crawford Guyot**
Region = **Walvis Ridge**
Analyst = **Susan Schnur**
Irradiation = **13-OSU-05**
J = **0.00177532 ± 0.00000231**
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	3.62417	± 0.00400	**11.60**	**± 0.03**	1.15	91.25	33.0 ± 4.3
		± 0.11%		**± 0.28%**	30%	16	
		Full External Error		± 0.26	1.73	2σ Confidence Limit	
		Analytical Error		± 0.01	1.0730	Error Magnification	
Total Fusion Age	3.63193	± 0.00385	**11.62**	**± 0.03**		24	36.6 ± 5.6
		± 0.11%		**± 0.28%**			
		Full External Error		± 0.26			
		Analytical Error		± 0.01			

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
13D04518	2.8 %		15.76 ± 0.17	354.41 ± 2.58	0.6061
13D04520	3.4 %		39.08 ± 0.39	443.52 ± 3.75	0.7450
13D04521	4.0 %		53.42 ± 0.56	494.13 ± 4.65	0.7994
13D04522	4.6 %		65.36 ± 0.76	538.13 ± 5.80	0.7999
13D04524	5.2 %		64.78 ± 0.53	535.13 ± 4.21	0.8977
13D04525	6.0 %		77.80 ± 0.58	582.37 ± 4.23	0.9237
13D04526	6.8 %		124.76 ± 1.20	752.65 ± 7.14	0.9236
13D04528	7.6 %		96.57 ± 0.71	648.83 ± 4.69	0.9458
13D04529	8.4 %	✓	98.19 ± 0.63	652.21 ± 4.10	0.9615
13D04530	9.2 %	✓	89.07 ± 0.52	620.12 ± 3.51	0.9678
13D04532	10.0 %	✓	103.14 ± 0.63	669.84 ± 4.02	0.9703
13D04533	10.8 %	✓	114.71 ± 0.72	712.87 ± 4.39	0.9721
13D04534	11.6 %	✓	111.07 ± 0.67	697.76 ± 4.09	0.9708
13D04536	12.4 %	✓	130.19 ± 0.79	768.13 ± 4.57	0.9721
13D04537	13.2 %	✓	132.20 ± 0.80	774.70 ± 4.55	0.9726
13D04538	14.0 %	✓	143.92 ± 0.87	817.61 ± 4.85	0.9727
13D04540	14.8 %	✓	153.95 ± 0.97	852.39 ± 5.26	0.9724
13D04541	15.6 %	✓	159.55 ± 1.05	874.01 ± 5.66	0.9731
13D04542	16.4 %	✓	169.93 ± 1.23	909.76 ± 6.49	0.9712
13D04544	17.2 %	✓	179.42 ± 1.16	946.13 ± 6.01	0.9736
13D04545	18.0 %	✓	177.16 ± 1.45	936.82 ± 7.59	0.9705
13D04546	18.8 %	✓	156.23 ± 1.17	860.78 ± 6.35	0.9689
13D04547	19.6 %	✓	183.24 ± 1.25	958.97 ± 6.45	0.9677
13D04549	20.4 %	✓	183.40 ± 1.47	957.45 ± 7.59	0.9659

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	**299.07 ± 2.38 ± 0.80%**	3.59922 ± 0.01705 ± 0.47%	**11.52 ± 0.06 ± 0.54%**	0.59
			Full External Error ± 0.27	88%
			Analytical Error ± 0.05	

Statistics				
	2σ Confidence Limit	1.76	Convergence	0.000032445776
	Error Magnification	1.0000	Number of Iterations	11
	Number of Data Points	16	Calculated Line	Weighted York-2

Inverse Isochron			39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
13D04518	2.8 %		0.0444740 ± 0.0003908	0.00282162 ± 0.00002057	0.0692
13D04520	3.4 %		0.0881157 ± 0.0005936	0.00225469 ± 0.00001905	0.1503
13D04521	4.0 %		0.1081060 ± 0.0006855	0.00202377 ± 0.00001903	0.1726
13D04522	4.6 %		0.1214662 ± 0.0008681	0.00185829 ± 0.00002002	0.2018
13D04524	5.2 %		0.1210500 ± 0.0004430	0.00186871 ± 0.00001470	0.1281
13D04525	6.0 %		0.1335977 ± 0.0003870	0.00171711 ± 0.00001247	0.1113
13D04526	6.8 %		0.1657553 ± 0.0006197	0.00132864 ± 0.00001260	0.1586
13D04528	7.6 %		0.1488357 ± 0.0003588	0.00154123 ± 0.00001114	0.0991
13D04529	8.4 %	✓	0.1505485 ± 0.0002662	0.00153326 ± 0.00000963	0.0565
13D04530	9.2 %	✓	0.1436255 ± 0.0002100	0.00161259 ± 0.00000913	0.0251
13D04532	10.0 %	✓	0.1539702 ± 0.0002286	0.00149289 ± 0.00000895	0.0285
13D04533	10.8 %	✓	0.1609160 ± 0.0002375	0.00140278 ± 0.00000864	0.0281
13D04534	11.6 %	✓	0.1591796 ± 0.0002296	0.00143316 ± 0.00000841	0.0249
13D04536	12.4 %	✓	0.1694917 ± 0.0002421	0.00130187 ± 0.00000775	0.0242
13D04537	13.2 %	✓	0.1706516 ± 0.0002388	0.00129083 ± 0.00000759	0.0213
13D04538	14.0 %	✓	0.1760244 ± 0.0002476	0.00122307 ± 0.00000726	0.0229
13D04540	14.8 %	✓	0.1806089 ± 0.0002659	0.00117318 ± 0.00000725	0.0319
13D04541	15.6 %	✓	0.1825451 ± 0.0002779	0.00114416 ± 0.00000741	0.0371
13D04542	16.4 %	✓	0.1867829 ± 0.0003233	0.00109919 ± 0.00000785	0.0564
13D04544	17.2 %	✓	0.1896329 ± 0.0002804	0.00105694 ± 0.00000671	0.0323
13D04545	18.0 %	✓	0.1891081 ± 0.0003742	0.00106744 ± 0.00000864	0.0764
13D04546	18.8 %	✓	0.1814945 ± 0.0003365	0.00116173 ± 0.00000857	0.0666
13D04547	19.6 %	✓	0.1910796 ± 0.0003298	0.00104279 ± 0.00000701	0.0639
13D04549	20.4 %	✓	0.1915527 ± 0.0003988	0.00104444 ± 0.00000828	0.0884

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	**299.04 ± 2.38 ± 0.80%**	3.59939 ± 0.01705 ± 0.47%	**11.52 ± 0.06 ± 0.54%**	0.59 88%
			Full External Error ± 0.27	
			Analytical Error ± 0.05	

Statistics				
	2σ Confidence Limit	1.76	Convergence	0.0000172696
	Error Magnification	1.0000	Number of Iterations	3
	Number of Data Points	16	Calculated Line	Weighted York-2
	Spreading Factor	17.3%		

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
13D04518	2.8 %		1.233543	0.35	0.0000000	0.00	0.0000328	731.21	0.0000188	49.02	0.123303	731.21	0.2305492	0.35	0.0000000	0.00	0.233918	0.46	0.0000089	731.33	0.080179	49.03	19.4430	0.43	0.0000833	731.22	72.664	1.86	364.512	0.35	0.0000000	0.00	0.074330	2.69
13D04520	3.4 %		0.708943	0.40	0.0000000	0.00	0.0002930	77.03	0.0000211	45.01	1.100104	77.03	0.1325014	0.40	0.0000000	0.00	0.333334	0.34	0.0000790	78.09	0.090000	45.02	27.7063	0.30	0.0007432	77.04	104.938	0.90	209.493	0.40	0.0000000	0.00	0.105921	2.68
13D04521	4.0 %		0.579926	0.44	0.0000000	0.00	0.0002790	87.46	0.0000089	103.78	1.047535	87.46	0.1083882	0.44	0.0000000	0.00	0.372703	0.32	0.0000752	88.40	0.037673	103.79	30.9786	0.27	0.0007077	87.47	115.189	0.77	171.368	0.44	0.0000000	0.00	0.118431	2.67
13D04522	4.6 %		0.433015	0.50	0.0000000	0.00	0.0002862	78.21	0.0000153	61.41	1.074658	78.21	0.0809306	0.50	0.0000000	0.00	0.340523	0.34	0.0000772	79.26	0.065030	61.42	28.3038	0.30	0.0007260	78.22	105.062	0.75	127.956	0.50	0.0000000	0.00	0.108205	2.68
13D04524	5.2 %		0.896730	0.38	0.0000000	0.00	0.0002260	99.02	0.0000347	26.27	0.848765	99.02	0.1675989	0.38	0.0000000	0.00	0.698854	0.22	0.0000609	99.85	0.147433	26.28	58.0878	0.16	0.0005734	99.03	214.882	0.52	264.984	0.38	0.0000000	0.00	0.222070	2.66
13D04525	6.0 %		1.034664	0.36	0.0000000	0.00	0.0002645	82.91	0.0000401	23.83	0.993342	82.91	0.1933786	0.36	0.0000000	0.00	0.968505	0.20	0.0000713	83.89	0.170420	23.85	80.5008	0.12	0.0006711	82.92	296.818	0.40	305.743	0.36	0.0000000	0.00	0.307755	2.66
13D04526	6.8 %		0.515559	0.46	0.0000000	0.00	0.0000246	966.45	0.0000329	28.23	0.092280	966.45	0.0963579	0.46	0.0000000	0.00	0.773818	0.22	0.0000066	966.53	0.139990	28.25	64.3187	0.14	0.0000623	966.45	235.687	0.36	152.348	0.46	0.0000000	0.00	0.245890	2.66
13D04528	7.6 %		1.084797	0.36	0.0000000	0.00	0.0000340	651.20	0.0000516	17.85	0.127497	651.20	0.2027485	0.36	0.0000000	0.00	1.260349	0.19	0.0000092	651.33	0.219377	17.88	104.7585	0.10	0.0000861	651.20	383.296	0.32	320.557	0.36	0.0000000	0.00	0.400492	2.66
13D04529	8.4 %	✓	1.801247	0.31	0.0000000	0.00	0.0006352	37.96	0.0000898	10.33	2.385350	37.96	0.3366530	0.31	0.0000000	0.00	2.127826	0.18	0.0001713	40.06	0.381873	10.37	176.8619	0.08	0.0016115	37.98	642.515	0.27	532.268	0.31	0.0000000	0.00	0.676143	2.66
13D04530	9.2 %	✓	3.333595	0.28	0.0000000	0.00	0.0009908	24.11	0.0001824	5.35	3.720686	24.11	0.6230488	0.28	0.0000000	0.00	3.572091	0.17	0.0002671	27.31	0.775632	5.43	296.9072	0.07	0.0025137	24.15	1082.154	0.26	985.077	0.28	0.0000000	0.00	1.135076	2.66
13D04532	10.0 %	✓	2.781735	0.30	0.0000000	0.00	0.0009926	23.75	0.0001700	5.83	3.727303	23.75	0.5199062	0.30	0.0000000	0.00	3.451645	0.17	0.0002676	26.99	0.722878	5.90	286.8959	0.07	0.0025182	23.79	1041.318	0.24	822.003	0.30	0.0000000	0.00	1.096803	2.66
13D04533	10.8 %	✓	2.603966	0.31	0.0000000	0.00	0.0009657	24.76	0.0001783	5.36	3.626534	24.76	0.4866812	0.31	0.0000000	0.00	3.593746	0.17	0.0002604	27.88	0.758171	5.44	298.7071	0.07	0.0024501	24.79	1086.821	0.22	769.472	0.31	0.0000000	0.00	1.141957	2.66
13D04534	11.6 %	✓	2.938949	0.29	0.0000000	0.00	0.0013628	16.18	0.0001899	5.13	5.117719	16.18	0.5492895	0.29	0.0000000	0.00	3.927242	0.17	0.0003675	20.65	0.807461	5.22	326.4269	0.07	0.0034575	16.24	1182.223	0.22	868.459	0.29	0.0000000	0.00	1.247930	2.66
13D04536	12.4 %	✓	2.704702	0.30	0.0000000	0.00	0.0011831	19.61	0.0002071	4.64	4.442899	19.61	0.5055088	0.30	0.0000000	0.00	4.236451	0.17	0.0003190	23.43	0.880382	4.73	352.1279	0.07	0.0030016	19.66	1278.313	0.19	799.239	0.30	0.0000000	0.00	1.346185	2.66
13D04537	13.2 %	✓	2.920135	0.29	0.0000000	0.00	0.0010705	21.95	0.0002257	4.44	4.020012	21.95	0.5457733	0.29	0.0000000	0.00	4.644590	0.17	0.0002886	25.42	0.959684	4.53	386.0519	0.07	0.0027159	21.99	1399.322	0.18	862.900	0.29	0.0000000	0.00	1.475876	2.66
13D04538	14.0 %	✓	2.648798	0.30	0.0000000	0.00	0.0011558	19.61	0.0002150	4.61	4.340096	19.61	0.4950603	0.30	0.0000000	0.00	4.586393	0.17	0.0003116	23.43	0.913776	4.70	381.2146	0.07	0.0029322	19.65	1382.972	0.17	782.720	0.30	0.0000000	0.00	1.457384	2.66
13D04540	14.8 %	✓	2.038670	0.31	0.0000000	0.00	0.0005776	40.47	0.0001913	5.25	2.168958	40.47	0.3810275	0.31	0.0000000	0.00	3.775939	0.17	0.0001557	42.46	0.813212	5.33	313.8508	0.07	0.0014653	40.50	1135.310	0.17	602.427	0.31	0.0000000	0.00	1.199852	2.66
13D04541	15.6 %	✓	1.774974	0.32	0.0000000	0.00	0.0010494	21.95	0.0001595	5.80	3.940489	21.95	0.3317427	0.32	0.0000000	0.00	3.407053	0.17	0.0002829	25.42	0.677698	5.88	283.1895	0.07	0.0026622	21.99	1026.835	0.17	524.505	0.32	0.0000000	0.00	1.082633	2.66
13D04542	16.4 %	✓	1.225348	0.35	0.0000000	0.00	0.0005260	43.66	0.0001182	7.74	1.975192	43.66	0.2290175	0.35	0.0000000	0.00	2.505094	0.18	0.0001418	45.50	0.502387	7.80	208.2200	0.08	0.0013344	43.68	752.680	0.18	362.090	0.35	0.0000000	0.00	0.796025	2.66
13D04544	17.2 %	✓	1.800193	0.32	0.0000000	0.00	0.0011381	20.24	0.0001922	5.01	4.273697	20.24	0.3364561	0.32	0.0000000	0.00	3.885848	0.17	0.0003069	23.96	0.816762	5.10	322.9863	0.07	0.0028873	20.28	1171.262	0.15	531.957	0.32	0.0000000	0.00	1.234777	2.66
13D04545	18.0 %	✓	0.893019	0.40	0.0000000	0.00	0.0006185	37.42	0.0000893	10.50	2.322580	37.42	0.1669052	0.40	0.0000000	0.00	1.903386	0.18	0.0001668	39.56	0.379311	10.54	158.2068	0.08	0.0015691	37.45	572.708	0.20	263.887	0.40	0.0000000	0.00	0.604825	2.66
13D04546	18.8 %	✓	1.128470	0.37	0.0000000	0.00	0.0005509	41.83	0.0001148	8.09	2.068612	41.83	0.2109110	0.37	0.0000000	0.00	2.121041	0.18	0.0001485	43.75	0.487759	8.14	176.2980	0.08	0.0013976	41.85	637.906	0.20	333.463	0.37	0.0000000	0.00	0.673987	2.66
13D04547	19.6 %	✓	1.122058	0.33	0.0000000	0.00	0.0005968	39.42	0.0001176	8.32	2.240913	39.41	0.2097127	0.33	0.0000000	0.00	2.473640	0.18	0.0001609	41.45	0.499839	8.37	205.6055	0.07	0.0015140	39.44	744.452	0.16	331.568	0.33	0.0000000	0.00	0.786030	2.66
13D04549	20.4 %	✓	0.800554	0.39	0.0000000	0.00	0.0000174	######	0.0000842	11.70	0.065203	######	0.1496235	0.39	0.0000000	0.00	1.766431	0.18	0.0000047	######	0.357751	11.74	146.8233	0.08	0.0000441	######	529.927	0.20	236.564	0.39	0.0000000	0.00	0.561306	2.66
		Σ	39.003588	0.07	0.0000000	0.00	0.0148055	7.67	0.0027486	1.70	55.597121	7.67	7.2897706	0.07	0.0000000	0.00	56.960421	0.04	0.0039919	8.30	11.684677	1.71	4734.4710	0.02	0.0375614	7.67	17195.254	0.05	11525.560	0.07	0.0000000	0.00	18.099883	0.64
		Σ							39.021142	0.07	55.597121	7.67									75.938861	0.27			4734.5086	0.02							28738.914	0.04

Additional Parameters			40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
13D04518	2.8 %		22.488969	0.098809	0.006342	0.046372	0.063444	0.000349	144.688	17.467386	1.00102232	2.099E-11
13D04520	3.4 %		11.352235	0.038235	0.039705	0.030586	0.025598	0.000127	144.705	17.473377	1.00102244	1.510E-11
13D04521	4.0 %		9.253790	0.029333	0.033814	0.029575	0.018729	0.000097	144.714	17.476493	1.00102251	1.376E-11
13D04522	4.6 %		8.236354	0.029428	0.037968	0.029696	0.015309	0.000089	144.722	17.479370	1.00102256	1.119E-11
13D04524	5.2 %		8.264792	0.015119	0.014612	0.014468	0.015442	0.000063	144.740	17.485365	1.00102269	2.304E-11
13D04525	6.0 %		7.488918	0.010844	0.012339	0.010230	0.012857	0.000048	144.748	17.488243	1.00102275	2.894E-11
13D04526	6.8 %		6.036807	0.011281	0.001435	0.013866	0.008017	0.000038	144.757	17.491362	1.00102281	1.864E-11
13D04528	7.6 %		6.722637	0.008101	0.001217	0.007925	0.010356	0.000038	144.774	17.497121	1.00102293	3.380E-11
13D04529	8.4 %	✓	6.646138	0.005874	0.013487	0.005119	0.010188	0.000033	144.783	17.500241	1.00102299	5.642E-11
13D04530	9.2 %	✓	6.966314	0.005091	0.012531	0.003022	0.011232	0.000033	144.791	17.503122	1.00102305	9.928E-11
13D04532	10.0 %	✓	6.498529	0.004824	0.012992	0.003085	0.009700	0.000030	144.808	17.509125	1.00102317	8.949E-11
13D04533	10.8 %	✓	6.218196	0.004588	0.012141	0.003006	0.008721	0.000027	144.817	17.512248	1.00102324	8.916E-11
13D04534	11.6 %	✓	6.285967	0.004531	0.015678	0.002537	0.009008	0.000027	144.826	17.515130	1.00102330	9.849E-11
13D04536	12.4 %	✓	5.903767	0.004216	0.012617	0.002474	0.007685	0.000023	144.843	17.521138	1.00102342	9.979E-11
13D04537	13.2 %	✓	5.863673	0.004101	0.010413	0.002285	0.007567	0.000023	144.851	17.524022	1.00102348	1.087E-10
13D04538	14.0 %	✓	5.684810	0.003997	0.011385	0.002232	0.006952	0.000021	144.860	17.527147	1.00102354	1.040E-10
13D04540	14.8 %	✓	5.540624	0.004077	0.006911	0.002797	0.006498	0.000020	144.877	17.532918	1.00102366	8.347E-11
13D04541	15.6 %	✓	5.481869	0.004171	0.013915	0.003055	0.006272	0.000021	144.886	17.536045	1.00102372	7.452E-11
13D04542	16.4 %	✓	5.357598	0.004635	0.009486	0.004142	0.005888	0.000021	144.894	17.538931	1.00102378	5.355E-11
13D04544	17.2 %	✓	5.277123	0.003900	0.013232	0.002678	0.005578	0.000018	144.912	17.544947	1.00102390	8.181E-11
13D04545	18.0 %	✓	5.291753	0.005233	0.014681	0.005494	0.005649	0.000023	144.921	17.548075	1.00102397	4.019E-11
13D04546	18.8 %	✓	5.513589	0.005110	0.011734	0.004908	0.006405	0.000024	144.929	17.550964	1.00102403	4.666E-11
13D04547	19.6 %	✓	5.237204	0.004518	0.010899	0.004296	0.005461	0.000019	144.938	17.553853	1.00102408	5.169E-11
13D04549	20.4 %	✓	5.224317	0.005436	0.000444	0.005962	0.005453	0.000022	144.955	17.559874	1.00102421	3.682E-11

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
13D04518	2.8 %	0.0175217 ± 0.0009140	0.0095010 ± 0.0377055	0.0060471 ± 0.0268068	0.3493057 ± 0.0767992	5.8595173 ± 0.4581407
13D04520	3.4 %	0.0162505 ± 0.0009140	0.0203444 ± 0.0377055	0.0004763 ± 0.0268068	0.1710627 ± 0.0767992	5.0237658 ± 0.4581407
13D04521	4.0 %	0.0157528 ± 0.0009140	0.0245385 ± 0.0377055	0.0026667 ± 0.0268068	0.1117931 ± 0.0767992	4.7281190 ± 0.4581407
13D04522	4.6 %	0.0154078 ± 0.0009140	0.0276197 ± 0.0377055	0.0040646 ± 0.0268068	0.0741201 ± 0.0767992	4.5357581 ± 0.4581407
13D04524	5.2 %	0.0150732 ± 0.0009140	0.0318708 ± 0.0377055	0.0053566 ± 0.0268068	0.0389257 ± 0.0767992	4.3688499 ± 0.4581407
13D04525	6.0 %	0.0151060 ± 0.0009140	0.0329974 ± 0.0377055	0.0053330 ± 0.0268068	0.0387762 ± 0.0767992	4.3931174 ± 0.4581407
13D04526	6.8 %	0.0152853 ± 0.0009140	0.0336441 ± 0.0377055	0.0049296 ± 0.0268068	0.0480883 ± 0.0767992	4.4891648 ± 0.4581407
13D04528	7.6 %	0.0160020 ± 0.0009140	0.0335253 ± 0.0377055	0.0033820 ± 0.0268068	0.0844576 ± 0.0767992	4.8367945 ± 0.4581407
13D04529	8.4 %	0.0165882 ± 0.0009140	0.0328914 ± 0.0377055	0.0022257 ± 0.0268068	0.1111819 ± 0.0767992	5.1049820 ± 0.4581407
13D04530	9.2 %	0.0172422 ± 0.0009140	0.0320378 ± 0.0377055	0.0010253 ± 0.0268068	0.1383856 ± 0.0767992	5.3941059 ± 0.4581407
13D04532	10.0 %	0.0189051 ± 0.0009140	0.0297058 ± 0.0377055	0.0017015 ± 0.0268068	0.1978570 ± 0.0767992	6.0959806 ± 0.4581407
13D04533	10.8 %	0.0198977 ± 0.0009140	0.0283441 ± 0.0377055	0.0031525 ± 0.0268068	0.2279542 ± 0.0767992	6.4976219 ± 0.4581407
13D04534	11.6 %	0.0208680 ± 0.0009140	0.0270862 ± 0.0377055	0.0044646 ± 0.0268068	0.2540379 ± 0.0767992	6.8799033 ± 0.4581407
13D04536	12.4 %	0.0229674 ± 0.0009140	0.0247386 ± 0.0377055	0.0069915 ± 0.0268068	0.3002551 ± 0.0767992	7.6761266 ± 0.4581407
13D04537	13.2 %	0.0239652 ± 0.0009140	0.0238734 ± 0.0377055	0.0080562 ± 0.0268068	0.3174928 ± 0.0767992	8.0403554 ± 0.4581407
13D04538	14.0 %	0.0249992 ± 0.0009140	0.0232253 ± 0.0377055	0.0090710 ± 0.0268068	0.3319963 ± 0.0767992	8.4076712 ± 0.4581407
13D04540	14.8 %	0.0266591 ± 0.0009140	0.0230817 ± 0.0377055	0.0105072 ± 0.0268068	0.3466462 ± 0.0767992	8.9710015 ± 0.4581407
13D04541	15.6 %	0.0273502 ± 0.0009140	0.0237198 ± 0.0377055	0.0110252 ± 0.0268068	0.3479534 ± 0.0767992	9.1905391 ± 0.4581407
13D04542	16.4 %	0.0278099 ± 0.0009140	0.0248446 ± 0.0377055	0.0113331 ± 0.0268068	0.3451996 ± 0.0767992	9.3247819 ± 0.4581407
13D04544	17.2 %	0.0280498 ± 0.0009140	0.0291214 ± 0.0377055	0.0114473 ± 0.0268068	0.3285854 ± 0.0767992	9.3436389 ± 0.4581407
13D04545	18.0 %	0.0276948 ± 0.0009140	0.0325289 ± 0.0377055	0.0112337 ± 0.0268068	0.3152086 ± 0.0767992	9.1863090 ± 0.4581407
13D04546	18.8 %	0.0270132 ± 0.0009140	0.0364849 ± 0.0377055	0.0108821 ± 0.0268068	0.3008486 ± 0.0767992	8.9219543 ± 0.4581407
13D04547	19.6 %	0.0259444 ± 0.0009140	0.0412845 ± 0.0377055	0.0103947 ± 0.0268068	0.2853239 ± 0.0767992	8.5302048 ± 0.4581407
13D04549	20.4 %	0.0222607 ± 0.0009140	0.0542727 ± 0.0377055	0.0090141 ± 0.0268068	0.2531491 ± 0.0767992	7.2472920 ± 0.4581407

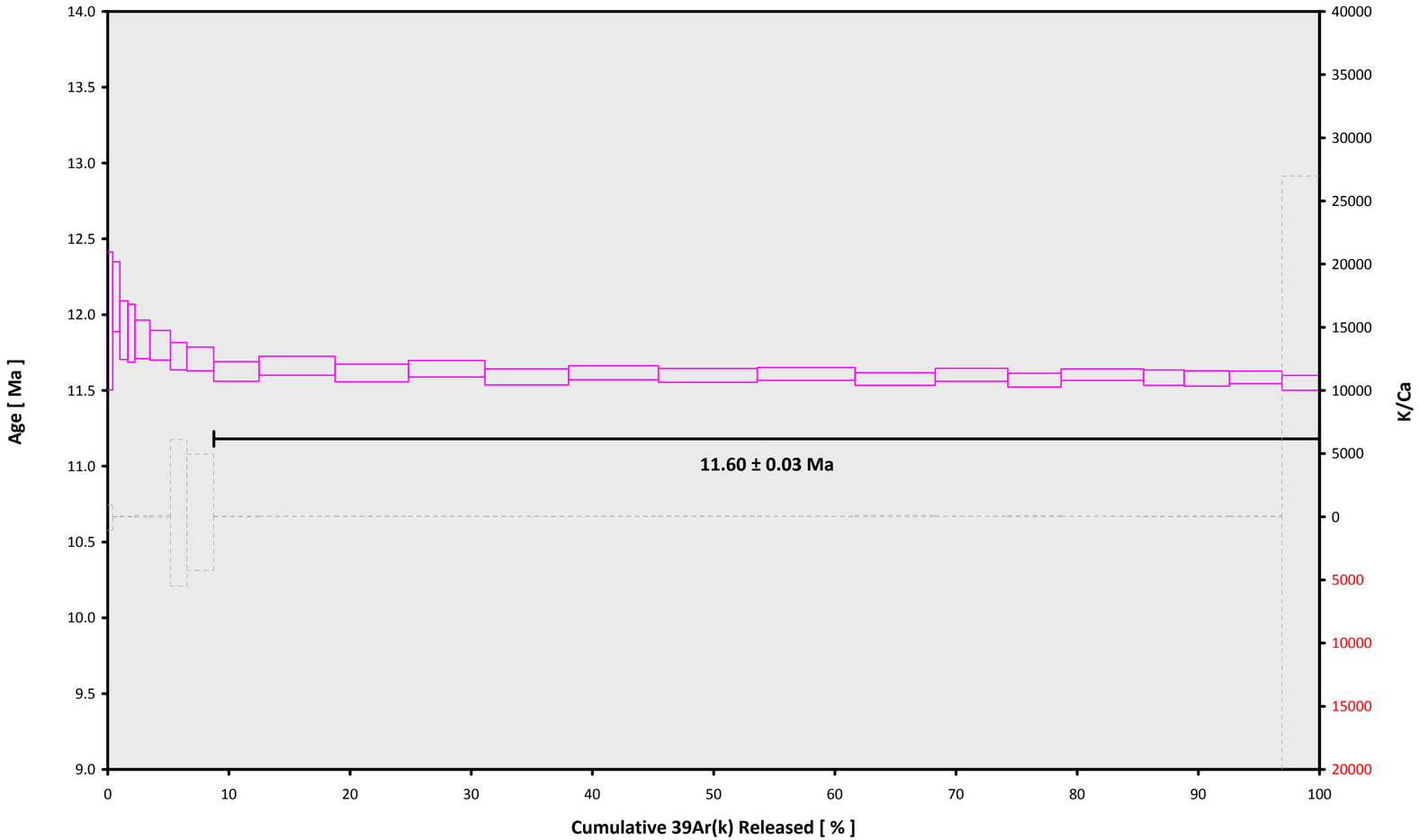
Intercept Values		36Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	37Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	38Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	39Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	40Ar ± 1σ (SE) [fA]	r2	Regression (type,n)
13D04518	2.8 %	1.2181826 ± 0.0027045	0.9116	EXP 150 of 150	0.0025693 ± 0.0338728	0.0112	EXP 150 of 150	0.5320356 ± 0.0280399	0.0106	EXP 150 of 150	19.65565 ± 0.02719	0.9548	EXP 150 of 150	444.06509 ± 0.05167	0.9996	EXP 150 of 150
13D04520	3.4 %	0.7066089 ± 0.0018735	0.8628	EXP 150 of 150	0.0821681 ± 0.0290917	0.0068	EXP 150 of 150	0.5497004 ± 0.0296744	0.0363	EXP 150 of 150	27.68353 ± 0.02783	0.9770	EXP 149 of 150	320.24770 ± 0.05078	0.9993	EXP 150 of 150
13D04521	4.0 %	0.5805067 ± 0.0018068	0.7944	EXP 150 of 150	0.0833975 ± 0.0350479	0.0007	EXP 150 of 150	0.5152619 ± 0.0277707	0.0000	EXP 150 of 150	30.87353 ± 0.02843	0.9805	EXP 150 of 150	292.03022 ± 0.04778	0.9992	EXP 150 of 150
13D04522	4.6 %	0.4371787 ± 0.0015581	0.7373	EXP 150 of 150	0.0879927 ± 0.0284231	0.0098	EXP 150 of 150	0.4847689 ± 0.0289109	0.0076	EXP 150 of 150	28.17985 ± 0.02850	0.9760	EXP 150 of 150	238.17087 ± 0.04432	0.9989	EXP 150 of 150
13D04524	5.2 %	0.8881633 ± 0.0022922	0.8757	EXP 150 of 150	0.0795370 ± 0.0283894	0.0022	EXP 150 of 150	1.0071007 ± 0.0271848	0.0478	EXP 150 of 150	57.71936 ± 0.02959	0.9941	EXP 150 of 150	485.50591 ± 0.05635	0.9997	EXP 150 of 150
13D04525	6.0 %	1.0224969 ± 0.0023082	0.8926	EXP 150 of 150	0.0887739 ± 0.0267707	0.0024	EXP 149 of 150	1.3216727 ± 0.0296967	0.0374	EXP 150 of 150	79.97493 ± 0.03564	0.9955	EXP 150 of 150	608.57924 ± 0.05954	0.9998	EXP 150 of 150
13D04526	6.8 %	0.5171625 ± 0.0016705	0.7481	EXP 150 of 150	0.0388248 ± 0.0329411	0.0050	EXP 150 of 150	1.0029448 ± 0.0282815	0.0588	EXP 150 of 150	63.91517 ± 0.03204	0.9941	EXP 150 of 150	393.61744 ± 0.05252	0.9995	EXP 150 of 150
13D04528	7.6 %	1.0719768 ± 0.0024412	0.8955	EXP 150 of 150	0.0406806 ± 0.0273759	0.0186	EXP 150 of 150	1.6656165 ± 0.0276428	0.0678	EXP 150 of 150	104.10731 ± 0.03056	0.9981	EXP 150 of 150	710.62903 ± 0.06784	0.9998	EXP 150 of 150
13D04529	8.4 %	1.7705454 ± 0.0029990	0.9451	EXP 150 of 150	0.1667377 ± 0.0340398	0.0220	EXP 150 of 150	2.8144896 ± 0.0275790	0.1892	EXP 150 of 150	175.73262 ± 0.03656	0.9990	EXP 150 of 150	1183.13234 ± 0.08471	0.9999	EXP 150 of 150
13D04530	9.2 %	3.2631532 ± 0.0038186	0.9729	EXP 150 of 150	0.2407779 ± 0.0333277	0.0124	EXP 150 of 150	4.9122362 ± 0.0289026	0.4895	EXP 150 of 150	294.96294 ± 0.04626	0.9995	EXP 150 of 150	2078.27924 ± 0.10846	0.9999	EXP 150 of 150
13D04532	10.0 %	2.7276504 ± 0.0041182	0.9549	EXP 150 of 150	0.2387454 ± 0.0322786	0.0003	EXP 150 of 150	4.6364921 ± 0.0299790	0.4438	EXP 150 of 150	285.08136 ± 0.04522	0.9994	EXP 150 of 150	1874.58660 ± 0.10078	0.9999	EXP 150 of 150
13D04533	10.8 %	2.5555930 ± 0.0042345	0.9458	EXP 150 of 150	0.2316960 ± 0.0333504	0.0010	EXP 150 of 150	4.7774686 ± 0.0277130	0.4783	EXP 150 of 150	296.83966 ± 0.04588	0.9995	EXP 150 of 150	1867.99007 ± 0.09907	0.9999	EXP 150 of 150
13D04534	11.6 %	2.8830179 ± 0.0040056	0.9624	EXP 150 of 150	0.3140065 ± 0.0270625	0.0000	EXP 150 of 150	5.2162957 ± 0.0285239	0.5504	EXP 150 of 150	324.39178 ± 0.04702	0.9995	EXP 150 of 150	2063.29295 ± 0.10845	0.9999	EXP 150 of 150
13D04536	12.4 %	2.6569544 ± 0.0038906	0.9568	EXP 150 of 150	0.2737404 ± 0.0310127	0.0003	EXP 150 of 150	5.5479983 ± 0.0272654	0.5840	EXP 150 of 150	349.95800 ± 0.05004	0.9995	EXP 150 of 150	2091.11619 ± 0.10900	0.9999	EXP 150 of 150
13D04537	13.2 %	2.8675536 ± 0.0040179	0.9577	EXP 150 of 150	0.2491375 ± 0.0319613	0.0007	EXP 150 of 150	6.0682576 ± 0.0292196	0.6339	EXP 150 of 150	383.66064 ± 0.04794	0.9997	EXP 150 of 150	2276.68321 ± 0.11565	0.9999	EXP 150 of 150
13D04538	14.0 %	2.6045526 ± 0.0037621	0.9560	EXP 150 of 150	0.2663821 ± 0.0291630	0.0035	EXP 150 of 150	5.9143121 ± 0.0286701	0.5490	EXP 150 of 150	378.87209 ± 0.04750	0.9997	EXP 150 of 150	2180.29120 ± 0.11835	0.9999	EXP 150 of 150
13D04540	14.8 %	2.0117562 ± 0.0032915	0.9446	EXP 149 of 150	0.1445591 ± 0.0315506	0.0387	EXP 150 of 150	4.9000070 ± 0.0304168	0.4708	EXP 150 of 150	311.99455 ± 0.04233	0.9996	EXP 150 of 150	1751.70708 ± 0.09518	0.9999	EXP 150 of 150
13D04541	15.6 %	1.7562059 ± 0.0032851	0.9268	EXP 150 of 150	0.2443764 ± 0.0303934	0.0043	EXP 149 of 150	4.3525931 ± 0.0262262	0.4496	EXP 150 of 150	281.55104 ± 0.04277	0.9995	EXP 150 of 150	1565.00395 ± 0.10220	0.9999	EXP 150 of 150
13D04542	16.4 %	1.2211346 ± 0.0027844	0.8899	EXP 150 of 150	0.1354317 ± 0.0301557	0.0015	EXP 150 of 150	3.1863533 ± 0.0264919	0.3087	EXP 148 of 150	207.10401 ± 0.04468	0.9990	EXP 150 of 150	1127.32785 ± 0.08474	0.9999	EXP 150 of 150
13D04544	17.2 %	1.7815704 ± 0.0031472	0.9324	EXP 149 of 150	0.2683152 ± 0.0303523	0.0235	EXP 150 of 150	4.9672745 ± 0.0278685	0.4704	EXP 150 of 150	321.04914 ± 0.04917	0.9995	EXP 150 of 150	1717.52064 ± 0.09889	0.9999	EXP 150 of 150
13D04545	18.0 %	0.8976075 ± 0.0025221	0.8150	EXP 150 of 150	0.1624978 ± 0.0307180	0.0015	EXP 149 of 150	2.4090514 ± 0.0282287	0.1542	EXP 150 of 150	157.41234 ± 0.03288	0.9990	EXP 150 of 150	848.21476 ± 0.06973	0.9998	EXP 150 of 150
13D04546	18.8 %	1.1260621 ± 0.0027215	0.8809	EXP 150 of 150	0.1522230 ± 0.0303671	0.0000	EXP 150 of 150	2.7750399 ± 0.0274712	0.2985	EXP 150 of 150	175.36193 ± 0.03895	0.9989	EXP 150 of 150	983.08793 ± 0.07354	0.9999	EXP 150 of 150
13D04547	19.6 %	1.1188002 ± 0.0021524	0.9161	EXP 150 of 150	0.1666422 ± 0.0319259	0.0053	EXP 150 of 150	3.1346452 ± 0.0302095	0.1607	EXP 150 of 150	204.44814 ± 0.03414	0.9994	EXP 150 of 150	1087.68843 ± 0.07217	0.9999	EXP 150 of 150
13D04549	20.4 %	0.8015820 ± 0.0021193	0.8435	EXP 150 of 150	0.0579189 ± 0.0312111	0.0167	EXP 150 of 150	2.2374303 ± 0.0310375	0.1187	EXP 150 of 150	146.04522 ± 0.03309	0.9988	EXP 150 of 150	775.97482 ± 0.07085	0.9998	EXP 150 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
13D04518	2.8 %	Susan Schnur	13-OSU-05			9.31	Walvis Ridge\MV1203 (13-INT-04)	13D04517	01
13D04520	3.4 %	Susan Schnur	13-OSU-05			9.31	Walvis Ridge\MV1203 (13-INT-04)	13D04517	01
13D04521	4.0 %	Susan Schnur	13-OSU-05			9.31	Walvis Ridge\MV1203 (13-INT-04)	13D04517	01
13D04522	4.6 %	Susan Schnur	13-OSU-05			9.31	Walvis Ridge\MV1203 (13-INT-04)	13D04517	01
13D04524	5.2 %	Susan Schnur	13-OSU-05			9.31	Walvis Ridge\MV1203 (13-INT-04)	13D04517	01
13D04525	6.0 %	Susan Schnur	13-OSU-05			9.31	Walvis Ridge\MV1203 (13-INT-04)	13D04517	01
13D04526	6.8 %	Susan Schnur	13-OSU-05			9.31	Walvis Ridge\MV1203 (13-INT-04)	13D04517	01
13D04528	7.6 %	Susan Schnur	13-OSU-05			9.31	Walvis Ridge\MV1203 (13-INT-04)	13D04517	01
13D04529	8.4 %	Susan Schnur	13-OSU-05			9.31	Walvis Ridge\MV1203 (13-INT-04)	13D04517	01
13D04530	9.2 %	Susan Schnur	13-OSU-05			9.31	Walvis Ridge\MV1203 (13-INT-04)	13D04517	01
13D04532	10.0 %	Susan Schnur	13-OSU-05			9.31	Walvis Ridge\MV1203 (13-INT-04)	13D04517	01
13D04533	10.8 %	Susan Schnur	13-OSU-05			9.31	Walvis Ridge\MV1203 (13-INT-04)	13D04517	01
13D04534	11.6 %	Susan Schnur	13-OSU-05			9.31	Walvis Ridge\MV1203 (13-INT-04)	13D04517	01
13D04536	12.4 %	Susan Schnur	13-OSU-05			9.31	Walvis Ridge\MV1203 (13-INT-04)	13D04517	01
13D04537	13.2 %	Susan Schnur	13-OSU-05			9.31	Walvis Ridge\MV1203 (13-INT-04)	13D04517	01
13D04538	14.0 %	Susan Schnur	13-OSU-05			9.31	Walvis Ridge\MV1203 (13-INT-04)	13D04517	01
13D04540	14.8 %	Susan Schnur	13-OSU-05			9.31	Walvis Ridge\MV1203 (13-INT-04)	13D04517	01
13D04541	15.6 %	Susan Schnur	13-OSU-05			9.31	Walvis Ridge\MV1203 (13-INT-04)	13D04517	01
13D04542	16.4 %	Susan Schnur	13-OSU-05			9.31	Walvis Ridge\MV1203 (13-INT-04)	13D04517	01
13D04544	17.2 %	Susan Schnur	13-OSU-05			9.31	Walvis Ridge\MV1203 (13-INT-04)	13D04517	01
13D04545	18.0 %	Susan Schnur	13-OSU-05			9.31	Walvis Ridge\MV1203 (13-INT-04)	13D04517	01
13D04546	18.8 %	Susan Schnur	13-OSU-05			9.31	Walvis Ridge\MV1203 (13-INT-04)	13D04517	01
13D04547	19.6 %	Susan Schnur	13-OSU-05			9.31	Walvis Ridge\MV1203 (13-INT-04)	13D04517	01
13D04549	20.4 %	Susan Schnur	13-OSU-05			9.31	Walvis Ridge\MV1203 (13-INT-04)	13D04517	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
13D04518	2.8 %	MV1203-D43B-07	Biotite	Crawford Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.85325	0.13	0.00177532	0.130	302.78	0.093	0.99398127	0.063	1	4.8E-14	13	NOV	2013	14	6	1
13D04520	3.4 %	MV1203-D43B-07	Biotite	Crawford Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.85325	0.13	0.00177532	0.130	302.78	0.093	0.99398127	0.063	1	4.8E-14	13	NOV	2013	14	31	1
13D04521	4.0 %	MV1203-D43B-07	Biotite	Crawford Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.85325	0.13	0.00177532	0.130	302.78	0.093	0.99398127	0.063	1	4.8E-14	13	NOV	2013	14	44	1
13D04522	4.6 %	MV1203-D43B-07	Biotite	Crawford Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.85325	0.13	0.00177532	0.130	302.78	0.093	0.99398127	0.063	1	4.8E-14	13	NOV	2013	14	56	1
13D04524	5.2 %	MV1203-D43B-07	Biotite	Crawford Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.85325	0.13	0.00177532	0.130	302.78	0.093	0.99398127	0.063	1	4.8E-14	13	NOV	2013	15	21	1
13D04525	6.0 %	MV1203-D43B-07	Biotite	Crawford Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.85325	0.13	0.00177532	0.130	302.78	0.093	0.99398127	0.063	1	4.8E-14	13	NOV	2013	15	33	1
13D04526	6.8 %	MV1203-D43B-07	Biotite	Crawford Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.85325	0.13	0.00177532	0.130	302.78	0.093	0.99398127	0.063	1	4.8E-14	13	NOV	2013	15	46	1
13D04528	7.6 %	MV1203-D43B-07	Biotite	Crawford Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.85325	0.13	0.00177532	0.130	302.78	0.093	0.99398127	0.063	1	4.8E-14	13	NOV	2013	16	10	1
13D04529	8.4 %	MV1203-D43B-07	Biotite	Crawford Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.85325	0.13	0.00177532	0.130	302.78	0.093	0.99398127	0.063	1	4.8E-14	13	NOV	2013	16	23	1
13D04530	9.2 %	MV1203-D43B-07	Biotite	Crawford Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.85325	0.13	0.00177532	0.130	302.78	0.093	0.99398127	0.063	1	4.8E-14	13	NOV	2013	16	35	1
13D04532	10.0 %	MV1203-D43B-07	Biotite	Crawford Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.85325	0.13	0.00177532	0.130	302.78	0.093	0.99398127	0.063	1	4.8E-14	13	NOV	2013	17	0	1
13D04533	10.8 %	MV1203-D43B-07	Biotite	Crawford Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.85325	0.13	0.00177532	0.130	302.78	0.093	0.99398127	0.063	1	4.8E-14	13	NOV	2013	17	13	1
13D04534	11.6 %	MV1203-D43B-07	Biotite	Crawford Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.85325	0.13	0.00177532	0.130	302.78	0.093	0.99398127	0.063	1	4.8E-14	13	NOV	2013	17	25	1
13D04536	12.4 %	MV1203-D43B-07	Biotite	Crawford Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.85325	0.13	0.00177532	0.130	302.78	0.093	0.99398127	0.063	1	4.8E-14	13	NOV	2013	17	50	1
13D04537	13.2 %	MV1203-D43B-07	Biotite	Crawford Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.85325	0.13	0.00177532	0.130	302.78	0.093	0.99398127	0.063	1	4.8E-14	13	NOV	2013	18	2	1
13D04538	14.0 %	MV1203-D43B-07	Biotite	Crawford Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.85325	0.13	0.00177532	0.130	302.78	0.093	0.99398127	0.063	1	4.8E-14	13	NOV	2013	18	15	1
13D04540	14.8 %	MV1203-D43B-07	Biotite	Crawford Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.85325	0.13	0.00177532	0.130	302.78	0.093	0.99398127	0.063	1	4.8E-14	13	NOV	2013	18	39	1
13D04541	15.6 %	MV1203-D43B-07	Biotite	Crawford Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.85325	0.13	0.00177532	0.130	302.78	0.093	0.99398127	0.063	1	4.8E-14	13	NOV	2013	18	52	1
13D04542	16.4 %	MV1203-D43B-07	Biotite	Crawford Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.85325	0.13	0.00177532	0.130	302.78	0.093	0.99398127	0.063	1	4.8E-14	13	NOV	2013	19	4	1
13D04544	17.2 %	MV1203-D43B-07	Biotite	Crawford Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.85325	0.13	0.00177532	0.130	302.78	0.093	0.99398127	0.063	1	4.8E-14	13	NOV	2013	19	29	1
13D04545	18.0 %	MV1203-D43B-07	Biotite	Crawford Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.85325	0.13	0.00177532	0.130	302.78	0.093	0.99398127	0.063	1	4.8E-14	13	NOV	2013	19	42	1
13D04546	18.8 %	MV1203-D43B-07	Biotite	Crawford Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.85325	0.13	0.00177532	0.130	302.78	0.093	0.99398127	0.063	1	4.8E-14	13	NOV	2013	19	54	1
13D04547	19.6 %	MV1203-D43B-07	Biotite	Crawford Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.85325	0.13	0.00177532	0.130	302.78	0.093	0.99398127	0.063	1	4.8E-14	13	NOV	2013	20	6	1
13D04549	20.4 %	MV1203-D43B-07	Biotite	Crawford Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.85325	0.13	0.00177532	0.130	302.78	0.093	0.99398127	0.063	1	4.8E-14	13	NOV	2013	20	31	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
13D04518	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
13D04520	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
13D04521	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
13D04522	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
13D04524	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
13D04525	6.0 %	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
13D04526	6.8 %	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
13D04528	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
13D04529	8.4 %	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
13D04530	9.2 %	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
13D04532	10.0 %	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
13D04533	10.8 %	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
13D04534	11.6 %	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
13D04536	12.4 %	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
13D04537	13.2 %	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
13D04538	14.0 %	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
13D04540	14.8 %	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
13D04541	15.6 %	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
13D04542	16.4 %	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
13D04544	17.2 %	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
13D04545	18.0 %	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
13D04546	18.8 %	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
13D04547	19.6 %	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
13D04549	20.4 %	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

13D04517.AGE >>> MV1203-D43B-07 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
11.60 ± 0.03
TOTAL FUSION
11.62 ± 0.03
NORMAL ISOCHRON
11.52 ± 0.06
INVERSE ISOCHRON
11.52 ± 0.06

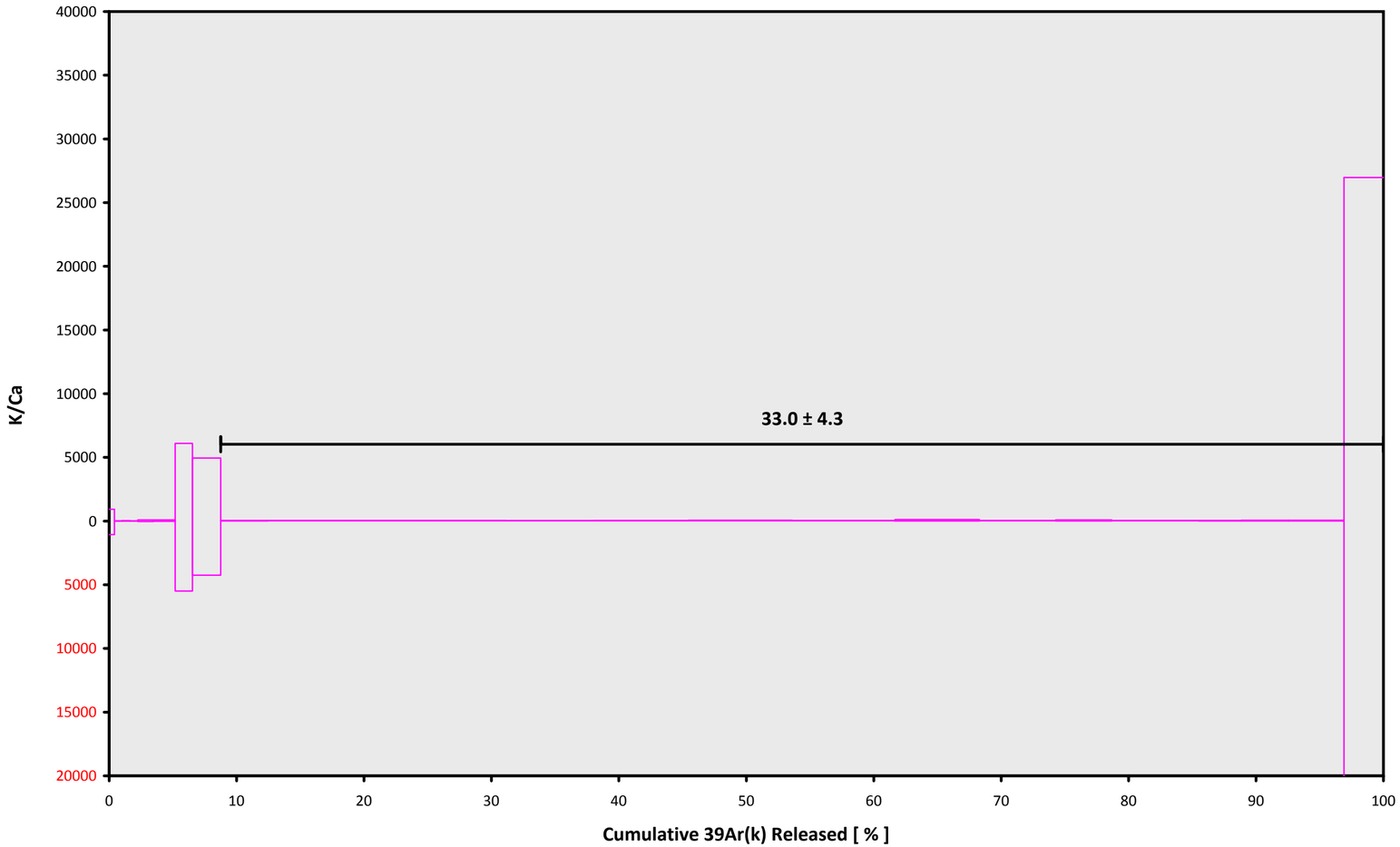
MSWD (PROBABILITY)
1.15 (30%)

Sample Info

Biotite
Crawford Guyot
Susan Schnur

IRR = 13-OSU-05
J = 0.00177532 ± 0.00000231

13D04517.AGE >>> MV1203-D43B-07 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

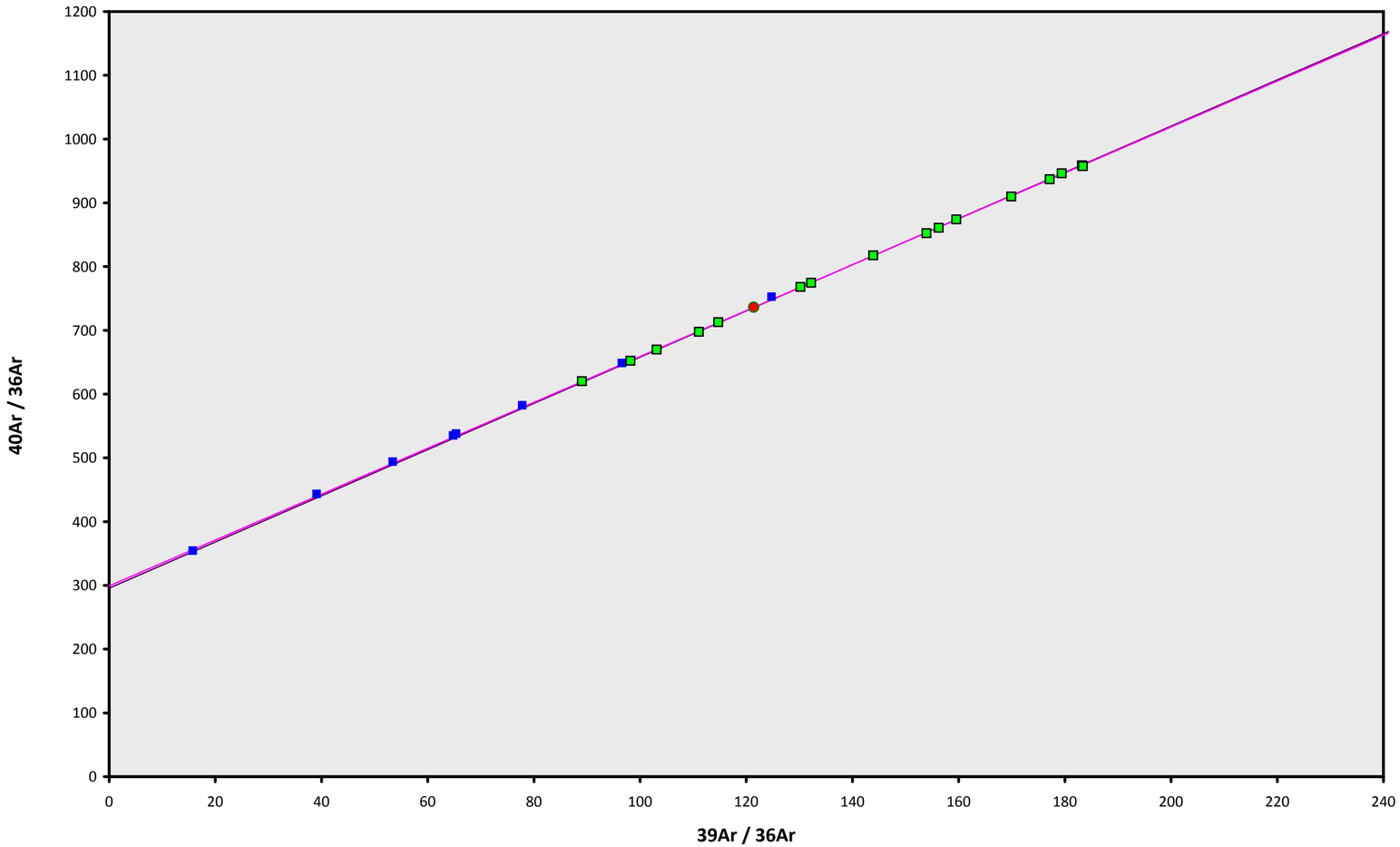
WEIGHTED PLATEAU
11.60 ± 0.03
TOTAL FUSION
11.62 ± 0.03
NORMAL ISOCHRON
11.52 ± 0.06
INVERSE ISOCHRON
11.52 ± 0.06

Sample Info

Biotite
Crawford Guyot
Susan Schnur

IRR = 13-OSU-05
J = 0.00177532 ± 0.00000231

13D04517.AGE >>> MV1203-D43B-07 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
11.60 ± 0.03
TOTAL FUSION
11.62 ± 0.03
NORMAL ISOCHRON
11.52 ± 0.06
INVERSE ISOCHRON
11.52 ± 0.06

MSWD (PROBABILITY)
0.59 (88%)

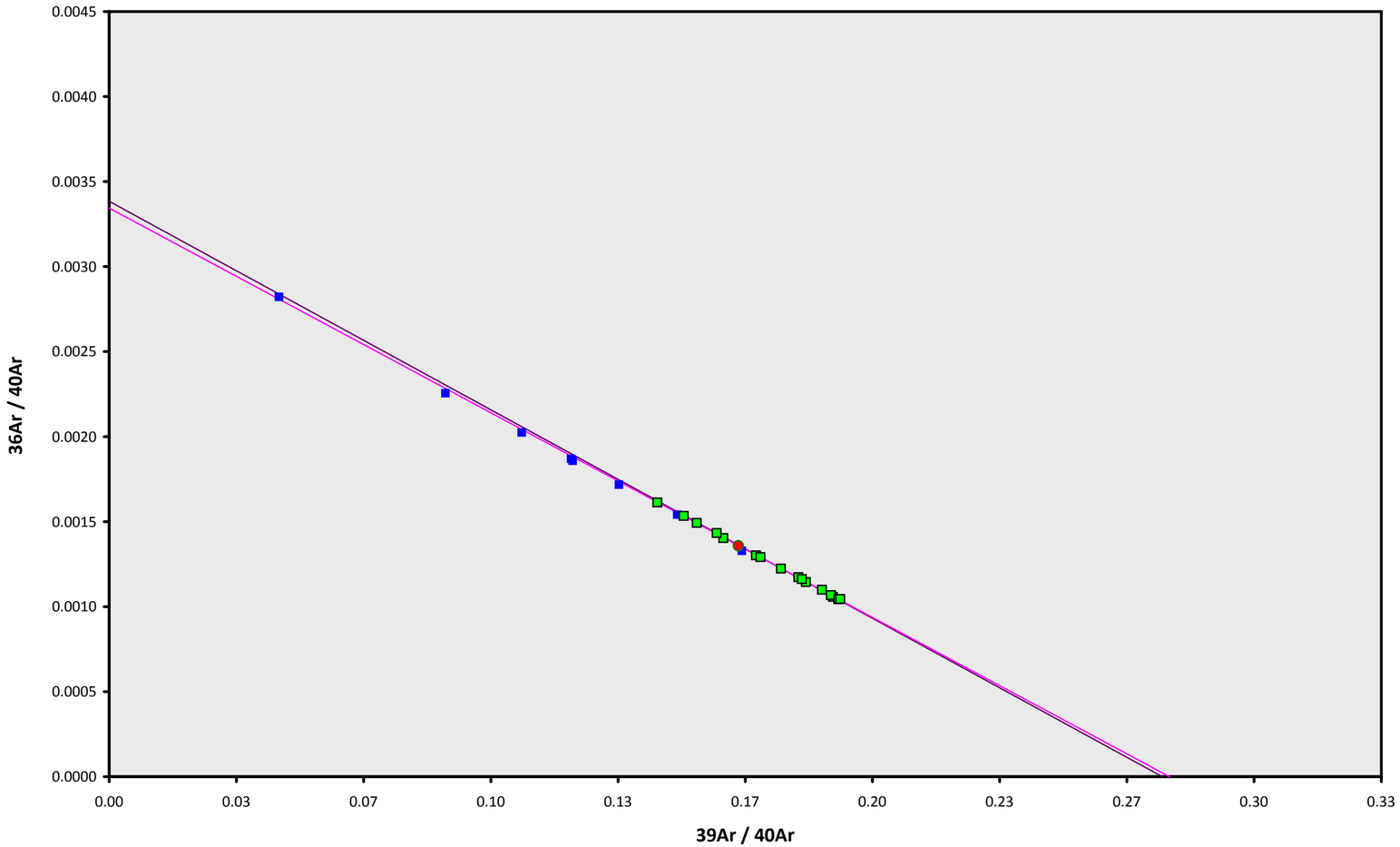
40AR/36AR INTERCEPT
299.1 ± 2.4

Sample Info

Biotite
Crawford Guyot
Susan Schnur

IRR = 13-OSU-05
J = 0.00177532 ± 0.00000231

13D04517.AGE >>> MV1203-D43B-07 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
11.60 ± 0.03
TOTAL FUSION
11.62 ± 0.03
NORMAL ISOCHRON
11.52 ± 0.06
INVERSE ISOCHRON
11.52 ± 0.06

MSWD (PROBABILITY)
0.59 (88%)

SPREADING FACTOR
17.3%

40AR/36AR INTERCEPT
299.0 ± 2.4

Sample Info

Biotite
Crawford Guyot
Susan Schnur

IRR = 13-OSU-05
J = 0.00177532 ± 0.00000231