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
13D04485	2.8 %		1.056776	0.360	1.266721	64.412	0.33387	11.062	7.1219	1.740	336.218	0.178	3.37259 ± 0.37665	10.72 ± 1.19	7.14	0.12	2.4 ± 3.1
13D04487	3.4 %		0.105338	1.346	1.107233	72.586	0.13131	29.153	6.8821	1.803	55.122	1.082	3.49605 ± 0.24718	11.11 ± 0.78	43.64	0.11	2.7 ± 3.9
13D04488	4.0 %		0.109594	1.275	1.082787	76.553	0.14849	26.667	12.2265	1.016	72.633	0.821	3.29518 ± 0.13669	10.47 ± 0.43	55.47	0.20	4.9 ± 7.4
13D04489	4.6 %		0.112150	1.293	0.072218	1117.240	0.22692	17.129	15.6906	0.794	82.508	0.723	3.14292 ± 0.10642	9.99 ± 0.34	59.77	0.26	93.4 ± 2087.5
13D04491	5.2 %		0.270709	0.710	2.637273	30.718	0.55053	7.244	29.3340	0.427	170.240	0.351	3.08025 ± 0.06219	9.79 ± 0.20	53.07	0.48	4.8 ± 2.9
13D04492	6.0 %		0.337418	0.581	1.686070	48.393	0.90989	4.224	50.9361	0.252	252.725	0.236	3.00328 ± 0.03610	9.55 ± 0.11	60.53	0.83	13.0 ± 12.6
13D04493	6.8 %		0.408396	0.533	2.162890	39.664	1.18272	3.310	66.5407	0.197	319.437	0.187	2.98610 ± 0.02896	9.49 ± 0.09	62.20	1.08	13.2 ± 10.5
13D04495	7.6 %	✓	0.941816	0.358	0.356347	223.943	2.24675	1.800	124.4119	0.119	646.846	0.093	2.95898 ± 0.02002	9.40 ± 0.06	56.91	2.03	150.1 ± 672.4
13D04496	8.4 %	✓	0.979745	0.362	1.183177	67.916	2.86048	1.365	157.4805	0.102	754.505	0.079	2.94981 ± 0.01649	9.38 ± 0.05	61.57	2.56	57.2 ± 77.7
13D04497	9.2 %	✓	1.305694	0.351	1.388595	58.405	3.86449	1.043	213.7327	0.086	1016.742	0.059	2.94891 ± 0.01479	9.37 ± 0.05	61.99	3.48	66.2 ± 77.3
13D04499	10.0 %	✓	1.355926	0.334	1.240671	68.429	5.00027	0.796	283.6453	0.077	1237.538	0.049	2.94724 ± 0.01130	9.37 ± 0.04	67.55	4.62	98.3 ± 134.5
13D04500	10.8 %	✓	1.197499	0.335	1.751081	46.505	6.26964	0.638	361.3473	0.072	1417.518	0.043	2.94048 ± 0.00851	9.35 ± 0.03	74.96	5.88	88.7 ± 82.5
13D04501	11.6 %	✓	1.272650	0.339	2.665136	32.145	8.01417	0.538	460.5681	0.069	1732.656	0.035	2.94245 ± 0.00735	9.35 ± 0.02	78.21	7.50	74.3 ± 47.8
13D04503	12.4 %	✓	1.066623	0.354	2.143499	38.047	7.10337	0.569	410.9389	0.070	1524.744	0.039	2.94033 ± 0.00743	9.35 ± 0.02	79.25	6.69	82.4 ± 62.7
13D04504	13.2 %	✓	1.314774	0.339	3.835825	21.537	8.93588	0.467	511.6945	0.068	1893.393	0.032	2.93809 ± 0.00693	9.34 ± 0.02	79.40	8.33	57.4 ± 24.7
13D04505	14.0 %	✓	1.059445	0.355	4.219552	19.332	7.96086	0.509	459.8826	0.069	1664.690	0.036	2.93632 ± 0.00683	9.33 ± 0.02	81.12	7.49	46.9 ± 18.1
13D04507	14.8 %	✓	0.891903	0.369	4.076323	20.292	6.93432	0.597	405.4312	0.070	1454.929	0.041	2.93584 ± 0.00701	9.33 ± 0.02	81.81	6.60	42.8 ± 17.4
13D04508	15.6 %	✓	1.135486	0.361	3.794951	20.679	8.18135	0.491	474.0274	0.068	1728.041	0.035	2.93476 ± 0.00699	9.33 ± 0.02	80.50	7.72	53.7 ± 22.2
13D04509	16.4 %	✓	0.981570	0.369	5.476872	15.588	7.86599	0.526	458.8414	0.069	1641.914	0.037	2.94371 ± 0.00673	9.36 ± 0.02	82.26	7.47	36.0 ± 11.2
13D04511	17.2 %	✓	0.725738	0.406	1.461523	54.753	6.08286	0.652	354.2024	0.072	1258.553	0.048	2.94458 ± 0.00735	9.36 ± 0.02	82.87	5.77	104.2 ± 114.1
13D04512	18.0 %	✓	0.868880	0.374	2.883181	28.435	7.41988	0.575	431.5603	0.070	1526.638	0.039	2.93959 ± 0.00666	9.34 ± 0.02	83.10	7.02	64.4 ± 36.6
13D04513	18.8 %	✓	0.652741	0.417	2.431139	31.615	5.30543	0.787	307.5710	0.076	1098.585	0.055	2.94184 ± 0.00791	9.35 ± 0.03	82.36	5.01	54.4 ± 34.4
13D04514	19.6 %	✓	0.602134	0.452	2.002803	41.766	4.98846	0.791	293.8378	0.077	1041.772	0.058	2.93690 ± 0.00820	9.33 ± 0.03	82.84	4.78	63.1 ± 52.7
13D04516	20.4 %	✓	0.487181	0.513	1.916403	43.765	4.22784	0.905	245.3582	0.081	866.133	0.069	2.94048 ± 0.00914	9.35 ± 0.03	83.30	3.99	55.1 ± 48.2
		Σ	19.240187	0.084	52.842270	7.597	106.74576	0.184	6143.2636	0.019	23794.079	0.012					

Information on Analysis and Constants Used in Calculations

Project = **MV1203 (13-INT-04)**
Sample = **MV1203-D42-17**
Material = **Biotite**
Location = **Esk Guyot**
Region = **Walvis Ridge**
Analyst = **Susan Schnur**
Irradiation = **13-OSU-05**
Position = **X: | Y: | Z/H: 15.21 mm**
FCT-NM Age = **28.201 ± 0.023 Ma**
FCT-NM Reference = **Kuiper et al (2008)**
FCT-NM 40Ar/39Ar Ratio = **8.91906 ± 0.01151**
FCT-NM J-value = **0.00176223 ± 0.00000227**
Air Shot 40Ar/36Ar = **302.7780 ± 0.2816**
Air Shot MDF = **0.99398288 ± 0.00062199 (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 = **IESS10018**
Rock Class = **Igneous>Volcanic>Mafic**
Lithology = **Trachyte**
Lat-Lon = **38°41.2'S - 11°48.1'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		2.94029 ± 0.00204	**9.35 ± 0.02**	1.07	96.93	46.9 ± 6.8
		± 0.07%	**± 0.27%**	37%	17	
		Full External Error ± 0.21		1.71	2σ Confidence Limit	
		Analytical Error ± 0.01		1.0366	Error Magnification	
Total Fusion Age		2.94492 ± 0.00213	**9.36 ± 0.03**		24	50.0 ± 7.6
		± 0.07%	**± 0.27%**			
		Full External Error ± 0.21				
		Analytical Error ± 0.01				
Normal Isochron	**298.10 ± 2.02**	2.93358 ± 0.00557	**9.32 ± 0.03**	0.68	96.93	
	± 0.68%	± 0.19%	**± 0.32%**	81%	17	
		Full External Error ± 0.21		1.73	2σ Confidence Limit	
		Analytical Error ± 0.02		1.0000	Error Magnification	
				12	Number of Iterations	
				0.0000264022	Convergence	
Inverse Isochron	**298.16 ± 2.02**	2.93344 ± 0.00557	**9.32 ± 0.03**	0.68	96.93	
	± 0.68%	± 0.19%	**± 0.32%**	81%	17	
		Full External Error ± 0.21		1.73	2σ Confidence Limit	
		Analytical Error ± 0.02		1.0000	Error Magnification	
Notes				3	Number of Iterations	
Good plateau				0.0001838577	Convergence	
				27%	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
13D04485	2.8 %		1.056427	1.266721	0.050662	7.1210	24.016	10.72 ± 1.19	7.14	0.12	2.4 ± 3.1
13D04487	3.4 %		0.105036	1.107233	0.028806	6.8814	24.058	11.11 ± 0.78	43.64	0.11	2.7 ± 3.9
13D04488	4.0 %		0.109306	1.082787	0.000000	12.2257	40.286	10.47 ± 0.43	55.47	0.20	4.9 ± 7.4
13D04489	4.6 %		0.112127	0.072218	0.017187	15.6905	49.314	9.99 ± 0.34	59.77	0.26	93.4 ± 2087.5
13D04491	5.2 %		0.269973	2.637273	0.146987	29.3323	90.351	9.79 ± 0.20	53.07	0.48	4.8 ± 2.9
13D04492	6.0 %		0.336915	1.686070	0.233997	50.9350	152.972	9.55 ± 0.11	60.53	0.83	13.0 ± 12.6
13D04493	6.8 %		0.407748	2.162890	0.305827	66.5393	198.693	9.49 ± 0.09	62.20	1.08	13.2 ± 10.5
13D04495	7.6 %	✓	0.941586	0.356347	0.573943	124.4117	368.132	9.40 ± 0.06	56.91	2.03	150.1 ± 672.4
13D04496	8.4 %	✓	0.979246	1.183177	0.782735	157.4797	464.536	9.38 ± 0.05	61.57	2.56	57.2 ± 77.7
13D04497	9.2 %	✓	1.305078	1.388595	1.049063	213.7317	630.275	9.37 ± 0.05	61.99	3.48	66.2 ± 77.3
13D04499	10.0 %	✓	1.355282	1.240671	1.334352	283.6445	835.968	9.37 ± 0.04	67.55	4.62	98.3 ± 134.5
13D04500	10.8 %	✓	1.196634	1.751081	1.698511	361.3461	1062.531	9.35 ± 0.03	74.96	5.88	88.7 ± 82.5
13D04501	11.6 %	✓	1.271416	2.665136	2.235280	460.5663	1355.192	9.35 ± 0.02	78.21	7.50	74.3 ± 47.8
13D04503	12.4 %	✓	1.065592	2.143499	1.960068	410.9375	1208.290	9.35 ± 0.02	79.25	6.69	82.4 ± 62.7
13D04504	13.2 %	✓	1.313158	3.835825	2.534009	511.6920	1503.399	9.34 ± 0.02	79.40	8.33	57.4 ± 24.7
13D04505	14.0 %	✓	1.057797	4.219552	2.230037	459.8797	1350.353	9.33 ± 0.02	81.12	7.49	46.9 ± 18.1
13D04507	14.8 %	✓	0.890373	4.076323	1.889908	405.4284	1190.274	9.33 ± 0.02	81.81	6.60	42.8 ± 17.4
13D04508	15.6 %	✓	1.133944	3.794951	2.266150	474.0249	1391.149	9.33 ± 0.02	80.50	7.72	53.7 ± 22.2
13D04509	16.4 %	✓	0.979604	5.476872	2.162234	458.8377	1350.687	9.36 ± 0.02	82.26	7.47	36.0 ± 11.2
13D04511	17.2 %	✓	0.724953	1.461523	1.685860	354.2014	1042.975	9.36 ± 0.02	82.87	5.77	104.2 ± 114.1
13D04512	18.0 %	✓	0.867627	2.883181	2.065432	431.5583	1268.605	9.34 ± 0.02	83.10	7.02	64.4 ± 36.6
13D04513	18.8 %	✓	0.651745	2.431139	1.483076	307.5694	904.819	9.35 ± 0.03	82.36	5.01	54.4 ± 34.4
13D04514	19.6 %	✓	0.601286	2.002803	1.340788	293.8365	862.968	9.33 ± 0.03	82.84	4.78	63.1 ± 52.7
13D04516	20.4 %	✓	0.486393	1.916403	1.184906	245.3569	721.466	9.35 ± 0.03	83.30	3.99	55.1 ± 48.2
		Σ	19.219245	52.842270	29.259819	6143.2279	18091.307				

Information on Analysis

Project = **MV1203 (13-INT-04)**
Sample = **MV1203-D42-17**
Material = **Biotite**
Location = **Esk Guyot**
Region = **Walvis Ridge**
Analyst = **Susan Schnur**
Irradiation = **13-OSU-05**
J = **0.00176223 ± 0.00000227**
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	2.94029	± 0.00204	**9.35**	**± 0.02**	1.07	96.93	46.9 ± 6.8
		± 0.07%		**± 0.27%**	37%	17	
			Full External Error	± 0.21	1.71	2σ Confidence Limit	
			Analytical Error	± 0.01	1.0366	Error Magnification	
Total Fusion Age	2.94492	± 0.00213	**9.36**	**± 0.03**		24	50.0 ± 7.6
		± 0.07%		**± 0.27%**			
			Full External Error	± 0.21			
			Analytical Error	± 0.01			

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
13D04485	2.8 %		6.74 ± 0.24	318.23 ± 2.56	0.1820
13D04487	3.4 %		65.51 ± 2.96	524.54 ± 18.27	0.4728
13D04488	4.0 %		111.85 ± 3.68	664.06 ± 20.36	0.6640
13D04489	4.6 %		139.94 ± 4.28	735.30 ± 21.98	0.7479
13D04491	5.2 %		108.65 ± 1.81	630.17 ± 10.06	0.7718
13D04492	6.0 %		151.18 ± 1.93	749.54 ± 9.46	0.8512
13D04493	6.8 %		163.19 ± 1.87	782.79 ± 8.90	0.8863
13D04495	7.6 %	✓	132.13 ± 1.00	686.47 ± 5.09	0.9192
13D04496	8.4 %	✓	160.82 ± 1.21	769.88 ± 5.72	0.9406
13D04497	9.2 %	✓	163.77 ± 1.19	778.44 ± 5.55	0.9577
13D04499	10.0 %	✓	209.29 ± 1.44	912.32 ± 6.16	0.9641
13D04500	10.8 %	✓	301.97 ± 2.08	1183.43 ± 8.02	0.9699
13D04501	11.6 %	✓	362.25 ± 2.51	1361.39 ± 9.31	0.9751
13D04503	12.4 %	✓	385.64 ± 2.79	1429.41 ± 10.22	0.9751
13D04504	13.2 %	✓	389.67 ± 2.70	1440.37 ± 9.84	0.9764
13D04505	14.0 %	✓	434.75 ± 3.15	1572.07 ± 11.26	0.9769
13D04507	14.8 %	✓	455.35 ± 3.44	1632.33 ± 12.18	0.9763
13D04508	15.6 %	✓	418.03 ± 3.08	1522.32 ± 11.08	0.9780
13D04509	16.4 %	✓	468.39 ± 3.53	1674.31 ± 12.46	0.9783
13D04511	17.2 %	✓	488.59 ± 4.05	1734.18 ± 14.24	0.9779
13D04512	18.0 %	✓	497.40 ± 3.80	1757.65 ± 13.26	0.9778
13D04513	18.8 %	✓	471.92 ± 4.02	1683.80 ± 14.22	0.9758
13D04514	19.6 %	✓	488.68 ± 4.51	1730.71 ± 15.86	0.9783
13D04516	20.4 %	✓	504.44 ± 5.27	1778.80 ± 18.53	0.9790

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	**298.10 ± 2.02 ± 0.68%**	2.93358 ± 0.00557 ± 0.19%	**9.32 ± 0.03 ± 0.32%**	0.68 81%
			Full External Error ± 0.21	
			Analytical Error ± 0.02	

Statistics				
	2σ Confidence Limit	1.73	Convergence	0.000026402210
	Error Magnification	1.0000	Number of Iterations	12
	Number of Data Points	17	Calculated Line	Weighted York-2

Inverse Isochron			39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
13D04485	2.8 %		0.0211815 ± 0.0007411	0.00314235 ± 0.00002526	0.0449
13D04487	3.4 %		0.1248984 ± 0.0052532	0.00190643 ± 0.00006642	0.3199
13D04488	4.0 %		0.1684313 ± 0.0044025	0.00150588 ± 0.00004617	0.3370
13D04489	4.6 %		0.1903092 ± 0.0040894	0.00135998 ± 0.00004065	0.3260
13D04491	5.2 %		0.1724132 ± 0.0019051	0.00158688 ± 0.00002533	0.2791
13D04492	6.0 %		0.2016984 ± 0.0013957	0.00133415 ± 0.00001684	0.2563
13D04493	6.8 %		0.2084678 ± 0.0011329	0.00127748 ± 0.00001452	0.2271
13D04495	7.6 %	✓	0.1924774 ± 0.0005806	0.00145673 ± 0.00001081	0.1539
13D04496	8.4 %	✓	0.2088859 ± 0.0005392	0.00129890 ± 0.00000965	0.1319
13D04497	9.2 %	✓	0.2103814 ± 0.0004402	0.00128462 ± 0.00000916	0.0937
13D04499	10.0 %	✓	0.2294016 ± 0.0004189	0.00109610 ± 0.00000740	0.0768
13D04500	10.8 %	✓	0.2551634 ± 0.0004281	0.00084500 ± 0.00000572	0.0641
13D04501	11.6 %	✓	0.2660856 ± 0.0004098	0.00073454 ± 0.00000502	0.0464
13D04503	12.4 %	✓	0.2697905 ± 0.0004341	0.00069959 ± 0.00000500	0.0545
13D04504	13.2 %	✓	0.2705308 ± 0.0004050	0.00069426 ± 0.00000474	0.0404
13D04505	14.0 %	✓	0.2765475 ± 0.0004296	0.00063610 ± 0.00000456	0.0475
13D04507	14.8 %	✓	0.2789557 ± 0.0004559	0.00061262 ± 0.00000457	0.0567
13D04508	15.6 %	✓	0.2746014 ± 0.0004224	0.00065689 ± 0.00000478	0.0441
13D04509	16.4 %	✓	0.2797519 ± 0.0004376	0.00059726 ± 0.00000445	0.0464
13D04511	17.2 %	✓	0.2817387 ± 0.0004891	0.00057664 ± 0.00000473	0.0643
13D04512	18.0 %	✓	0.2829912 ± 0.0004529	0.00056894 ± 0.00000429	0.0518
13D04513	18.8 %	✓	0.2802685 ± 0.0005231	0.00059389 ± 0.00000502	0.0762
13D04514	19.6 %	✓	0.2823591 ± 0.0005414	0.00057780 ± 0.00000530	0.0760
13D04516	20.4 %	✓	0.2835856 ± 0.0006068	0.00056218 ± 0.00000585	0.0866

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	**298.16 ± 2.02 ± 0.68%**	2.93344 ± 0.00557 ± 0.19%	**9.32 ± 0.03 ± 0.32%**	0.68
			Full External Error ± 0.21	81%
			Analytical Error ± 0.02	

Statistics				
	2σ Confidence Limit	1.73	Convergence	0.0001838577
	Error Magnification	1.0000	Number of Iterations	3
	Number of Data Points	17	Calculated Line	Weighted York-2
	Spreading Factor	26.7%		

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
13D04485	2.8 %		1.056427	0.36	0.0000000	0.00	0.0003373	64.41	0.0000119	72.98	1.266721	64.41	0.1974461	0.36	0.0000000	0.00	0.085673	1.75	0.0000910	65.68	0.050662	72.99	7.1210	1.74	0.0008558	64.43	24.016	5.31	312.1741	0.36	0.0000000	0.00	0.027224	3.18
13D04487	3.4 %		0.105036	1.36	0.0000000	0.00	0.0002949	72.59	0.0000068	133.01	1.107233	72.59	0.0196313	1.36	0.0000000	0.00	0.082790	1.81	0.0000795	73.71	0.028806	133.01	6.8814	1.80	0.0007480	72.60	24.058	3.04	31.0382	1.36	0.0000000	0.00	0.026308	3.21
13D04488	4.0 %		0.109306	1.29	0.0000000	0.00	0.0002883	76.55	0.0000000	0.00	1.082787	76.55	0.0204293	1.29	0.0000000	0.00	0.147088	1.03	0.0000777	77.62	0.000000	0.00	12.2257	1.02	0.0007315	76.56	40.286	1.81	32.2999	1.29	0.0000000	0.00	0.046739	2.85
13D04489	4.6 %		0.112127	1.31	0.0000000	0.00	0.0000192	######	0.0000040	226.35	0.072218	######	0.0209566	1.31	0.0000000	0.00	0.188773	0.81	0.0000052	######	0.017187	226.35	15.6905	0.79	0.0000488	######	49.314	1.50	33.1336	1.31	0.0000000	0.00	0.059985	2.78
13D04491	5.2 %		0.269973	0.72	0.0000000	0.00	0.0007023	30.72	0.0000345	27.17	2.637273	30.72	0.0504579	0.72	0.0000000	0.00	0.352897	0.46	0.0001894	33.29	0.146987	27.19	29.3323	0.43	0.0017817	30.75	90.351	0.91	79.7769	0.72	0.0000000	0.00	0.112137	2.69
13D04492	6.0 %		0.336915	0.59	0.0000000	0.00	0.0004490	48.39	0.0000549	16.47	1.686070	48.39	0.0629693	0.59	0.0000000	0.00	0.612799	0.30	0.0001211	50.06	0.233997	16.50	50.9350	0.25	0.0011391	48.41	152.972	0.55	99.5582	0.59	0.0000000	0.00	0.194724	2.67
13D04493	6.8 %		0.407748	0.54	0.0000000	0.00	0.0005760	39.66	0.0000718	12.85	2.162890	39.66	0.0762082	0.54	0.0000000	0.00	0.800534	0.25	0.0001553	41.68	0.305827	12.89	66.5393	0.20	0.0014612	39.69	198.693	0.44	120.4896	0.54	0.0000000	0.00	0.254380	2.67
13D04495	7.6 %	✓	0.941586	0.36	0.0000000	0.00	0.0000949	223.94	0.0001347	7.12	0.356347	223.94	0.1759824	0.36	0.0000000	0.00	1.496797	0.20	0.0000256	224.31	0.573943	7.18	124.4117	0.12	0.0002407	223.95	368.132	0.32	278.2387	0.36	0.0000000	0.00	0.475626	2.66
13D04496	8.4 %	✓	0.979246	0.36	0.0000000	0.00	0.0003151	67.92	0.0001837	5.10	1.183177	67.92	0.1830211	0.36	0.0000000	0.00	1.894638	0.19	0.0000850	69.12	0.782735	5.18	157.4797	0.10	0.0007994	67.93	464.536	0.26	289.3672	0.36	0.0000000	0.00	0.602045	2.66
13D04497	9.2 %	✓	1.305078	0.35	0.0000000	0.00	0.0003698	58.40	0.0002462	3.98	1.388595	58.40	0.2439190	0.35	0.0000000	0.00	2.571407	0.18	0.0000997	59.80	1.049063	4.08	213.7317	0.09	0.0009381	58.42	630.275	0.24	385.6504	0.35	0.0000000	0.00	0.817096	2.66
13D04499	10.0 %	✓	1.355282	0.33	0.0000000	0.00	0.0003304	68.43	0.0003132	3.15	1.240671	68.43	0.2533022	0.33	0.0000000	0.00	3.412527	0.18	0.0000891	69.62	1.334352	3.29	283.6445	0.08	0.0008382	68.44	835.968	0.18	400.4858	0.33	0.0000000	0.00	1.084373	2.66
13D04500	10.8 %	✓	1.196634	0.34	0.0000000	0.00	0.0004663	46.51	0.0003987	2.57	1.751081	46.51	0.2236509	0.34	0.0000000	0.00	4.347356	0.18	0.0001257	48.24	1.698511	2.73	361.3461	0.07	0.0011830	46.52	1062.531	0.13	353.6053	0.34	0.0000000	0.00	1.381426	2.66
13D04501	11.6 %	✓	1.271416	0.34	0.0000000	0.00	0.0007097	32.15	0.0005247	2.18	2.665136	32.15	0.2376276	0.34	0.0000000	0.00	5.541073	0.17	0.0001914	34.61	2.235280	2.37	460.5663	0.07	0.0018006	32.17	1355.192	0.10	375.7034	0.34	0.0000000	0.00	1.760745	2.66
13D04503	12.4 %	✓	1.065592	0.36	0.0000000	0.00	0.0005708	38.05	0.0004601	2.30	2.143499	38.05	0.1991591	0.36	0.0000000	0.00	4.943989	0.17	0.0001539	40.15	1.960068	2.48	410.9375	0.07	0.0014481	38.07	1208.290	0.11	314.8823	0.36	0.0000000	0.00	1.571014	2.66
13D04504	13.2 %	✓	1.313158	0.34	0.0000000	0.00	0.0010215	21.54	0.0005949	1.93	3.835825	21.54	0.2454292	0.34	0.0000000	0.00	6.156166	0.17	0.0002754	25.06	2.534009	2.14	511.6920	0.07	0.0025915	21.58	1503.399	0.10	388.0382	0.34	0.0000000	0.00	1.956198	2.66
13D04505	14.0 %	✓	1.057797	0.36	0.0000000	0.00	0.0011237	19.33	0.0005236	2.08	4.219552	19.33	0.1977023	0.36	0.0000000	0.00	5.532813	0.17	0.0003030	23.20	2.230037	2.28	459.8797	0.07	0.0028507	19.38	1350.353	0.09	312.5791	0.36	0.0000000	0.00	1.758120	2.66
13D04507	14.8 %	✓	0.890373	0.37	0.0000000	0.00	0.0010855	20.29	0.0004438	2.42	4.076323	20.29	0.1664108	0.37	0.0000000	0.00	4.877709	0.17	0.0002927	24.00	1.889908	2.59	405.4284	0.07	0.0027540	20.33	1190.274	0.10	263.1054	0.37	0.0000000	0.00	1.549953	2.66
13D04508	15.6 %	✓	1.133944	0.36	0.0000000	0.00	0.0010106	20.68	0.0005322	2.04	3.794951	20.68	0.2119341	0.36	0.0000000	0.00	5.702993	0.17	0.0002725	24.33	2.266150	2.24	474.0249	0.07	0.0025639	20.72	1391.149	0.10	335.0804	0.36	0.0000000	0.00	1.812197	2.66
13D04509	16.4 %	✓	0.979604	0.37	0.0000000	0.00	0.0014585	15.59	0.0005078	2.17	5.476872	15.59	0.1830880	0.37	0.0000000	0.00	5.520277	0.17	0.0003932	20.18	2.162234	2.36	458.8377	0.07	0.0037002	15.64	1350.687	0.09	289.4730	0.37	0.0000000	0.00	1.754137	2.66
13D04511	17.2 %	✓	0.724953	0.41	0.0000000	0.00	0.0003892	54.75	0.0003960	2.56	1.461523	54.75	0.1354937	0.41	0.0000000	0.00	4.261397	0.18	0.0001049	56.23	1.685860	2.72	354.2014	0.07	0.0009874	54.77	1042.975	0.10	214.2235	0.41	0.0000000	0.00	1.354112	2.66
13D04512	18.0 %	✓	0.867627	0.38	0.0000000	0.00	0.0007678	28.44	0.0004851	2.30	2.883181	28.44	0.1621595	0.38	0.0000000	0.00	5.192078	0.17	0.0002070	31.19	2.065432	2.48	431.5583	0.07	0.0019479	28.47	1268.605	0.09	256.3838	0.38	0.0000000	0.00	1.649848	2.66
13D04513	18.8 %	✓	0.651745	0.42	0.0000000	0.00	0.0006474	31.62	0.0003484	2.99	2.431139	31.62	0.1218112	0.42	0.0000000	0.00	3.700367	0.18	0.0001746	34.12	1.483076	3.13	307.5694	0.08	0.0016425	31.64	904.819	0.11	192.5908	0.42	0.0000000	0.00	1.175838	2.66
13D04514	19.6 %	✓	0.601286	0.45	0.0000000	0.00	0.0005333	41.77	0.0003150	3.12	2.002803	41.77	0.1123803	0.45	0.0000000	0.00	3.535147	0.18	0.0001438	43.69	1.340788	3.25	293.8365	0.08	0.0013531	41.79	862.968	0.12	177.6799	0.45	0.0000000	0.00	1.123337	2.66
13D04516	20.4 %	✓	0.486393	0.52	0.0000000	0.00	0.0005103	43.77	0.0002784	3.39	1.916403	43.77	0.0909068	0.52	0.0000000	0.00	2.951888	0.18	0.0001376	45.60	1.184906	3.51	245.3569	0.08	0.0012947	43.79	721.466	0.13	143.7291	0.52	0.0000000	0.00	0.937999	2.66
		Σ	19.219245	0.08	0.0000000	0.00	0.0140719	7.60	0.0068700	0.70	52.842270	7.60	3.5920768	0.08	0.0000000	0.00	73.909174	0.04	0.0037941	8.18	29.259819	0.74	6143.2279	0.02	0.0357002	7.60	18091.307	0.03	5679.2868	0.08	0.0000000	0.00	23.485560	0.66
		Σ							19.240187	0.08	52.842270	7.60									106.76486	0.21			6143.2636	0.02							23794.079	0.03

Additional Parameters			40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
13D04485	2.8 %		47.209213	0.825819	0.177864	0.114607	0.148385	0.002637	144.403	17.369428	1.00102031	1.614E-11
13D04487	3.4 %		8.009459	0.168404	0.160885	0.116815	0.015306	0.000344	144.420	17.375385	1.00102043	2.646E-12
13D04488	4.0 %		5.940605	0.077615	0.088561	0.067802	0.008964	0.000146	144.429	17.378484	1.00102049	3.486E-12
13D04489	4.6 %		5.258414	0.056478	0.004603	0.051423	0.007148	0.000108	144.438	17.381345	1.00102055	3.960E-12
13D04491	5.2 %		5.803490	0.032053	0.089905	0.027619	0.009229	0.000076	144.455	17.387306	1.00102068	8.172E-12
13D04492	6.0 %		4.961610	0.017160	0.033102	0.016019	0.006624	0.000042	144.463	17.390168	1.00102073	1.213E-11
13D04493	6.8 %		4.800621	0.013039	0.032505	0.012893	0.006138	0.000035	144.472	17.393269	1.00102080	1.533E-11
13D04495	7.6 %	✓	5.199227	0.007839	0.002864	0.006414	0.007570	0.000029	144.490	17.399235	1.00102092	3.105E-11
13D04496	8.4 %	✓	4.791101	0.006181	0.007513	0.005103	0.006221	0.000023	144.498	17.402099	1.00102098	3.622E-11
13D04497	9.2 %	✓	4.757075	0.004975	0.006497	0.003794	0.006109	0.000022	144.506	17.404964	1.00102104	4.880E-11
13D04499	10.0 %	✓	4.362978	0.003981	0.004374	0.002993	0.004780	0.000016	144.524	17.410933	1.00102116	5.940E-11
13D04500	10.8 %	✓	3.922867	0.003288	0.004846	0.002254	0.003314	0.000011	144.533	17.414038	1.00102123	6.804E-11
13D04501	11.6 %	✓	3.761998	0.002895	0.005787	0.001860	0.002763	0.000010	144.541	17.416905	1.00102128	8.317E-11
13D04503	12.4 %	✓	3.710390	0.002982	0.005216	0.001985	0.002596	0.000009	144.558	17.422878	1.00102141	7.319E-11
13D04504	13.2 %	✓	3.700241	0.002767	0.007496	0.001614	0.002569	0.000009	144.567	17.425746	1.00102147	9.088E-11
13D04505	14.0 %	✓	3.619816	0.002809	0.009175	0.001774	0.002304	0.000008	144.576	17.428854	1.00102153	7.991E-11
13D04507	14.8 %	✓	3.588597	0.002930	0.010054	0.002040	0.002200	0.000008	144.593	17.434832	1.00102165	6.984E-11
13D04508	15.6 %	✓	3.645446	0.002802	0.008006	0.001655	0.002395	0.000009	144.601	17.437702	1.00102171	8.295E-11
13D04509	16.4 %	✓	3.578390	0.002796	0.011936	0.001861	0.002139	0.000008	144.610	17.440572	1.00102177	7.881E-11
13D04511	17.2 %	✓	3.553202	0.003081	0.004126	0.002259	0.002049	0.000008	144.627	17.446554	1.00102189	6.041E-11
13D04512	18.0 %	✓	3.537485	0.002828	0.006681	0.001900	0.002013	0.000008	144.636	17.449665	1.00102196	7.328E-11
13D04513	18.8 %	✓	3.571811	0.003331	0.007904	0.002499	0.002122	0.000009	144.644	17.452537	1.00102202	5.273E-11
13D04514	19.6 %	✓	3.545396	0.003396	0.006816	0.002847	0.002049	0.000009	144.653	17.455650	1.00102208	5.001E-11
13D04516	20.4 %	✓	3.530077	0.003774	0.007811	0.003418	0.001986	0.000010	144.670	17.461397	1.00102220	4.157E-11

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
13D04485	2.8 %	0.0117046 ± 0.0010981	0.0134877 ± 0.0341509	0.0305947 ± 0.0272485	0.0506611 ± 0.1204698	3.3260061 ± 0.5968271
13D04487	3.4 %	0.0112302 ± 0.0010981	0.0253133 ± 0.0341509	0.0020390 ± 0.0272485	0.0557960 ± 0.1204698	3.2831960 ± 0.5968271
13D04488	4.0 %	0.0110203 ± 0.0010981	0.0260397 ± 0.0341509	0.0100398 ± 0.0272485	0.0525018 ± 0.1204698	3.2264078 ± 0.5968271
13D04489	4.6 %	0.0108708 ± 0.0010981	0.0241623 ± 0.0341509	0.0132154 ± 0.0272485	0.0476375 ± 0.1204698	3.1693950 ± 0.5968271
13D04491	5.2 %	0.0107498 ± 0.0010981	0.0144659 ± 0.0341509	0.0102484 ± 0.0272485	0.0366205 ± 0.1204698	3.0786095 ± 0.5968271
13D04492	6.0 %	0.0108028 ± 0.0010981	0.0079207 ± 0.0341509	0.0056608 ± 0.0272485	0.0328238 ± 0.1204698	3.0650544 ± 0.5968271
13D04493	6.8 %	0.0109521 ± 0.0010981	0.0000417 ± 0.0341509	0.0006725 ± 0.0272485	0.0309985 ± 0.1204698	3.0823123 ± 0.5968271
13D04495	7.6 %	0.0115243 ± 0.0010981	0.0159066 ± 0.0341509	0.0144824 ± 0.0272485	0.0368438 ± 0.1204698	3.2294427 ± 0.5968271
13D04496	8.4 %	0.0119341 ± 0.0010981	0.0233193 ± 0.0341509	0.0209374 ± 0.0272485	0.0449485 ± 0.1204698	3.3596245 ± 0.5968271
13D04497	9.2 %	0.0124292 ± 0.0010981	0.0302412 ± 0.0341509	0.0267897 ± 0.0272485	0.0568758 ± 0.1204698	3.5303451 ± 0.5968271
13D04499	10.0 %	0.0137134 ± 0.0010981	0.0422341 ± 0.0341509	0.0358757 ± 0.0272485	0.0944592 ± 0.1204698	4.0142748 ± 0.5968271
13D04500	10.8 %	0.0144982 ± 0.0010981	0.0468101 ± 0.0341509	0.0384869 ± 0.0272485	0.1206968 ± 0.1204698	4.3296785 ± 0.5968271
13D04501	11.6 %	0.0152790 ± 0.0010981	0.0498659 ± 0.0341509	0.0394494 ± 0.0272485	0.1487000 ± 0.1204698	4.6544283 ± 0.5968271
13D04503	12.4 %	0.0170201 ± 0.0010981	0.0523638 ± 0.0341509	0.0368990 ± 0.0272485	0.2170325 ± 0.1204698	5.4105122 ± 0.5968271
13D04504	13.2 %	0.0178770 ± 0.0010981	0.0516691 ± 0.0341509	0.0336073 ± 0.0272485	0.2535270 ± 0.1204698	5.7970231 ± 0.5968271
13D04505	14.0 %	0.0187918 ± 0.0010981	0.0495689 ± 0.0341509	0.0287377 ± 0.0272485	0.2947101 ± 0.1204698	6.2196996 ± 0.5968271
13D04507	14.8 %	0.0204111 ± 0.0010981	0.0419359 ± 0.0341509	0.0166027 ± 0.0272485	0.3748047 ± 0.1204698	6.9966304 ± 0.5968271
13D04508	15.6 %	0.0210706 ± 0.0010981	0.0368440 ± 0.0341509	0.0101346 ± 0.0272485	0.4115170 ± 0.1204698	7.3272786 ± 0.5968271
13D04509	16.4 %	0.0216168 ± 0.0010981	0.0310430 ± 0.0341509	0.0037683 ± 0.0272485	0.4455338 ± 0.1204698	7.6121929 ± 0.5968271
13D04511	17.2 %	0.0222585 ± 0.0010981	0.0175975 ± 0.0341509	0.0070989 ± 0.0272485	0.5019165 ± 0.1204698	7.9920052 ± 0.5968271
13D04512	18.0 %	0.0222488 ± 0.0010981	0.0104797 ± 0.0341509	0.0101588 ± 0.0272485	0.5199674 ± 0.1204698	8.0352268 ± 0.5968271
13D04513	18.8 %	0.0219799 ± 0.0010981	0.0042581 ± 0.0341509	0.0105019 ± 0.0272485	0.5274253 ± 0.1204698	7.9548300 ± 0.5968271
13D04514	19.6 %	0.0213613 ± 0.0010981	0.0017030 ± 0.0341509	0.0073445 ± 0.0272485	0.5234080 ± 0.1204698	7.7136438 ± 0.5968271
13D04516	20.4 %	0.0191539 ± 0.0010981	0.0089896 ± 0.0341509	0.0114133 ± 0.0272485	0.4748240 ± 0.1204698	6.7571196 ± 0.5968271

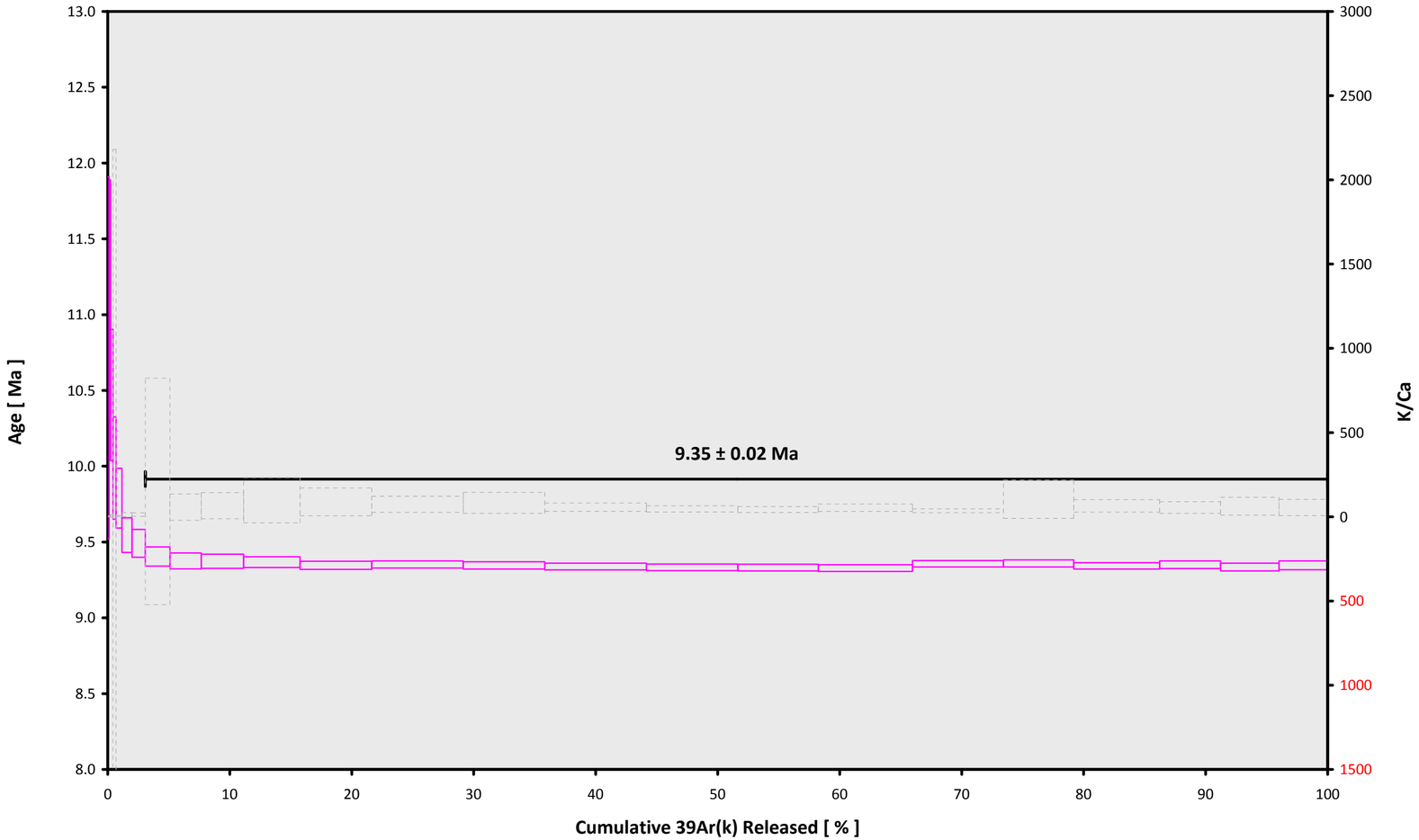
Intercept Values		36Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	37Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	38Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	39Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	40Ar ± 1σ (SE) [fA]	r2	Regression (type,n)
13D04485	2.8 %	1.0403289 ± 0.0023742	0.8958	EXP 150 of 150	0.0581260 ± 0.0310061	0.0001	EXP 150 of 150	0.2992605 ± 0.0242628	0.0072	EXP 150 of 150	7.12254 ± 0.02476	0.7830	EXP 150 of 150	340.27807 ± 0.04698	0.9994	EXP 150 of 150
13D04487	3.4 %	0.1137620 ± 0.0007933	0.2281	EXP 150 of 150	0.0372623 ± 0.0299449	0.0025	EXP 150 of 150	0.1317655 ± 0.0262258	0.0052	EXP 150 of 150	6.88963 ± 0.02543	0.7347	EXP 150 of 150	58.52584 ± 0.03300	0.8110	EXP 149 of 150
13D04488	4.0 %	0.1176950 ± 0.0007554	0.0860	EXP 150 of 150	0.0351435 ± 0.0320526	0.0065	EXP 150 of 150	0.1567445 ± 0.0280708	0.0039	EXP 149 of 150	12.19314 ± 0.02550	0.9048	EXP 149 of 150	76.01762 ± 0.03323	0.9721	EXP 150 of 150
13D04489	4.6 %	0.1200336 ± 0.0008429	0.1355	EXP 150 of 150	0.0200822 ± 0.0301926	0.0638	EXP 150 of 150	0.2374068 ± 0.0270579	0.0000	EXP 150 of 150	15.62809 ± 0.02659	0.9374	EXP 150 of 150	85.85720 ± 0.03427	0.9845	EXP 150 of 150
13D04491	5.2 %	0.2742478 ± 0.0013595	0.5449	EXP 150 of 150	0.1344782 ± 0.0304389	0.0117	EXP 150 of 150	0.5541554 ± 0.0284521	0.0691	EXP 150 of 150	29.16477 ± 0.02469	0.9837	EXP 149 of 150	173.69036 ± 0.03908	0.9980	EXP 150 of 150
13D04492	6.0 %	0.3392327 ± 0.0013157	0.6845	EXP 150 of 150	0.0872871 ± 0.0309248	0.0012	EXP 150 of 150	0.9045991 ± 0.0264254	0.0862	EXP 150 of 150	50.61140 ± 0.02823	0.9933	EXP 150 of 150	256.34222 ± 0.04667	0.9990	EXP 150 of 150
13D04493	6.8 %	0.4084689 ± 0.0015015	0.7284	EXP 149 of 150	0.1220690 ± 0.0343411	0.0010	EXP 150 of 150	1.1678216 ± 0.0274130	0.0692	EXP 150 of 150	66.10468 ± 0.02659	0.9964	EXP 150 of 150	323.21698 ± 0.05071	0.9993	EXP 150 of 150
13D04495	7.6 %	0.9282508 ± 0.0020358	0.8943	EXP 150 of 150	0.0360180 ± 0.0293623	0.0226	EXP 150 of 150	2.2052332 ± 0.0290782	0.1472	EXP 150 of 150	123.57551 ± 0.03329	0.9984	EXP 150 of 150	651.48850 ± 0.07109	0.9997	EXP 150 of 150
13D04496	8.4 %	0.9655795 ± 0.0021960	0.8893	EXP 150 of 150	0.0900842 ± 0.0298283	0.0007	EXP 150 of 150	2.8051244 ± 0.0270920	0.3020	EXP 150 of 150	156.42002 ± 0.03489	0.9989	EXP 150 of 150	759.51273 ± 0.06712	0.9998	EXP 150 of 150
13D04497	9.2 %	1.2833402 ± 0.0028715	0.8944	EXP 150 of 150	0.1085847 ± 0.0304505	0.0012	EXP 150 of 150	3.7912004 ± 0.0286327	0.3528	EXP 150 of 150	212.28929 ± 0.03844	0.9993	EXP 150 of 150	1022.49391 ± 0.07499	0.9999	EXP 150 of 150
13D04499	10.0 %	1.3335182 ± 0.0026239	0.9200	EXP 150 of 150	0.1122078 ± 0.0335608	0.0003	EXP 150 of 150	4.9042302 ± 0.0276378	0.4763	EXP 150 of 150	281.74875 ± 0.04333	0.9995	EXP 150 of 150	1244.25623 ± 0.08080	0.9999	EXP 150 of 150
13D04500	10.8 %	1.1800968 ± 0.0022935	0.9048	EXP 149 of 150	0.1455533 ± 0.0306958	0.0116	EXP 150 of 150	6.1557194 ± 0.0275762	0.6171	EXP 150 of 150	358.93153 ± 0.04884	0.9996	EXP 150 of 150	1424.94398 ± 0.09719	0.9999	EXP 150 of 150
13D04501	11.6 %	1.2540269 ± 0.0025495	0.8916	EXP 150 of 150	0.2001278 ± 0.0341519	0.0002	EXP 150 of 150	7.8782945 ± 0.0311979	0.6429	EXP 150 of 150	457.48374 ± 0.04912	0.9997	EXP 150 of 150	1741.09552 ± 0.09424	0.9999	EXP 150 of 150
13D04503	12.4 %	1.0552288 ± 0.0023124	0.8761	EXP 150 of 150	0.1731741 ± 0.0307590	0.0009	EXP 150 of 150	6.9810018 ± 0.0277774	0.6953	EXP 150 of 150	408.27129 ± 0.04695	0.9997	EXP 150 of 150	1533.48493 ± 0.08355	0.9999	EXP 150 of 150
13D04504	13.2 %	1.2976269 ± 0.0026473	0.8991	EXP 150 of 150	0.2678254 ± 0.0316226	0.0005	EXP 150 of 150	8.7947546 ± 0.0288340	0.7712	EXP 150 of 150	508.35608 ± 0.05231	0.9998	EXP 150 of 150	1903.32617 ± 0.11007	0.9999	EXP 150 of 150
13D04505	14.0 %	1.0500137 ± 0.0023050	0.8745	EXP 150 of 150	0.2873065 ± 0.0307387	0.0000	EXP 149 of 150	7.8363315 ± 0.0275978	0.7481	EXP 150 of 150	456.94895 ± 0.04896	0.9997	EXP 150 of 150	1674.54657 ± 0.09409	0.9999	EXP 150 of 150
13D04507	14.8 %	0.8885544 ± 0.0020452	0.8538	EXP 150 of 150	0.2715250 ± 0.0316722	0.0010	EXP 150 of 150	6.8342832 ± 0.0292548	0.6389	EXP 149 of 150	402.95984 ± 0.04962	0.9997	EXP 150 of 150	1465.10389 ± 0.09334	0.9999	EXP 150 of 150
13D04508	15.6 %	1.1263086 ± 0.0026103	0.8709	EXP 150 of 150	0.2505503 ± 0.0280303	0.0093	EXP 150 of 150	8.0727761 ± 0.0270096	0.7272	EXP 150 of 150	471.11126 ± 0.05298	0.9997	EXP 150 of 150	1739.14367 ± 0.10412	0.9999	EXP 150 of 150
13D04509	16.4 %	0.9770388 ± 0.0023027	0.8492	EXP 150 of 150	0.3394132 ± 0.0338006	0.0251	EXP 150 of 150	7.7675788 ± 0.0288660	0.7064	EXP 150 of 150	456.06586 ± 0.05846	0.9996	EXP 150 of 150	1653.11278 ± 0.08315	0.9999	EXP 150 of 150
13D04511	17.2 %	0.7286634 ± 0.0019474	0.8001	EXP 150 of 150	0.0998590 ± 0.0293637	0.0183	EXP 150 of 150	6.0167652 ± 0.0270884	0.5913	EXP 150 of 150	352.21774 ± 0.04575	0.9996	EXP 150 of 150	1269.29391 ± 0.07783	0.9999	EXP 150 of 150
13D04512	18.0 %	0.8679827 ± 0.0020376	0.8352	EXP 150 of 150	0.1727299 ± 0.0310115	0.0005	EXP 150 of 150	7.3407582 ± 0.0308568	0.6771	EXP 150 of 150	429.05058 ± 0.05229	0.9997	EXP 150 of 150	1538.00849 ± 0.08525	0.9999	EXP 150 of 150
13D04513	18.8 %	0.6573325 ± 0.0017867	0.7620	EXP 150 of 150	0.1410473 ± 0.0265252	0.0047	EXP 150 of 150	5.2520955 ± 0.0302599	0.5036	EXP 150 of 150	305.93921 ± 0.04834	0.9994	EXP 150 of 150	1108.94022 ± 0.07763	0.9999	EXP 150 of 150
13D04514	19.6 %	0.6074549 ± 0.0018972	0.7118	EXP 150 of 150	0.1109656 ± 0.0323697	0.0029	EXP 149 of 150	4.9357810 ± 0.0271807	0.5229	EXP 150 of 150	292.29837 ± 0.04599	0.9994	EXP 150 of 150	1051.76100 ± 0.07758	0.9999	EXP 150 of 150
13D04516	20.4 %	0.4933573 ± 0.0018053	0.6781	EXP 150 of 150	0.0987830 ± 0.0325303	0.0088	EXP 150 of 150	4.1655557 ± 0.0256778	0.5606	EXP 149 of 150	244.11043 ± 0.04066	0.9994	EXP 150 of 150	874.78232 ± 0.07615	0.9998	EXP 150 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
13D04485	2.8 %	Susan Schnur	13-OSU-05			15.21	Walvis Ridge\MV1203 (13-INT-04)	13D04484	01
13D04487	3.4 %	Susan Schnur	13-OSU-05			15.21	Walvis Ridge\MV1203 (13-INT-04)	13D04484	01
13D04488	4.0 %	Susan Schnur	13-OSU-05			15.21	Walvis Ridge\MV1203 (13-INT-04)	13D04484	01
13D04489	4.6 %	Susan Schnur	13-OSU-05			15.21	Walvis Ridge\MV1203 (13-INT-04)	13D04484	01
13D04491	5.2 %	Susan Schnur	13-OSU-05			15.21	Walvis Ridge\MV1203 (13-INT-04)	13D04484	01
13D04492	6.0 %	Susan Schnur	13-OSU-05			15.21	Walvis Ridge\MV1203 (13-INT-04)	13D04484	01
13D04493	6.8 %	Susan Schnur	13-OSU-05			15.21	Walvis Ridge\MV1203 (13-INT-04)	13D04484	01
13D04495	7.6 %	Susan Schnur	13-OSU-05			15.21	Walvis Ridge\MV1203 (13-INT-04)	13D04484	01
13D04496	8.4 %	Susan Schnur	13-OSU-05			15.21	Walvis Ridge\MV1203 (13-INT-04)	13D04484	01
13D04497	9.2 %	Susan Schnur	13-OSU-05			15.21	Walvis Ridge\MV1203 (13-INT-04)	13D04484	01
13D04499	10.0 %	Susan Schnur	13-OSU-05			15.21	Walvis Ridge\MV1203 (13-INT-04)	13D04484	01
13D04500	10.8 %	Susan Schnur	13-OSU-05			15.21	Walvis Ridge\MV1203 (13-INT-04)	13D04484	01
13D04501	11.6 %	Susan Schnur	13-OSU-05			15.21	Walvis Ridge\MV1203 (13-INT-04)	13D04484	01
13D04503	12.4 %	Susan Schnur	13-OSU-05			15.21	Walvis Ridge\MV1203 (13-INT-04)	13D04484	01
13D04504	13.2 %	Susan Schnur	13-OSU-05			15.21	Walvis Ridge\MV1203 (13-INT-04)	13D04484	01
13D04505	14.0 %	Susan Schnur	13-OSU-05			15.21	Walvis Ridge\MV1203 (13-INT-04)	13D04484	01
13D04507	14.8 %	Susan Schnur	13-OSU-05			15.21	Walvis Ridge\MV1203 (13-INT-04)	13D04484	01
13D04508	15.6 %	Susan Schnur	13-OSU-05			15.21	Walvis Ridge\MV1203 (13-INT-04)	13D04484	01
13D04509	16.4 %	Susan Schnur	13-OSU-05			15.21	Walvis Ridge\MV1203 (13-INT-04)	13D04484	01
13D04511	17.2 %	Susan Schnur	13-OSU-05			15.21	Walvis Ridge\MV1203 (13-INT-04)	13D04484	01
13D04512	18.0 %	Susan Schnur	13-OSU-05			15.21	Walvis Ridge\MV1203 (13-INT-04)	13D04484	01
13D04513	18.8 %	Susan Schnur	13-OSU-05			15.21	Walvis Ridge\MV1203 (13-INT-04)	13D04484	01
13D04514	19.6 %	Susan Schnur	13-OSU-05			15.21	Walvis Ridge\MV1203 (13-INT-04)	13D04484	01
13D04516	20.4 %	Susan Schnur	13-OSU-05			15.21	Walvis Ridge\MV1203 (13-INT-04)	13D04484	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
13D04485	2.8 %	MV1203-D42-17	Biotite	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.91906	0.129	0.00176223	0.129	302.778	0.093	0.99398288	0.063	1	4.8E-14	13	NOV	2013	7	16	1
13D04487	3.4 %	MV1203-D42-17	Biotite	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.91906	0.129	0.00176223	0.129	302.778	0.093	0.99398288	0.063	1	4.8E-14	13	NOV	2013	7	41	1
13D04488	4.0 %	MV1203-D42-17	Biotite	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.91906	0.129	0.00176223	0.129	302.778	0.093	0.99398288	0.063	1	4.8E-14	13	NOV	2013	7	54	1
13D04489	4.6 %	MV1203-D42-17	Biotite	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.91906	0.129	0.00176223	0.129	302.778	0.093	0.99398288	0.063	1	4.8E-14	13	NOV	2013	8	6	1
13D04491	5.2 %	MV1203-D42-17	Biotite	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.91906	0.129	0.00176223	0.129	302.778	0.093	0.99398288	0.063	1	4.8E-14	13	NOV	2013	8	31	1
13D04492	6.0 %	MV1203-D42-17	Biotite	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.91906	0.129	0.00176223	0.129	302.778	0.093	0.99398288	0.063	1	4.8E-14	13	NOV	2013	8	43	1
13D04493	6.8 %	MV1203-D42-17	Biotite	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.91906	0.129	0.00176223	0.129	302.778	0.093	0.99398288	0.063	1	4.8E-14	13	NOV	2013	8	56	1
13D04495	7.6 %	MV1203-D42-17	Biotite	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.91906	0.129	0.00176223	0.129	302.778	0.093	0.99398288	0.063	1	4.8E-14	13	NOV	2013	9	21	1
13D04496	8.4 %	MV1203-D42-17	Biotite	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.91906	0.129	0.00176223	0.129	302.778	0.093	0.99398288	0.063	1	4.8E-14	13	NOV	2013	9	33	1
13D04497	9.2 %	MV1203-D42-17	Biotite	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.91906	0.129	0.00176223	0.129	302.778	0.093	0.99398288	0.063	1	4.8E-14	13	NOV	2013	9	45	1
13D04499	10.0 %	MV1203-D42-17	Biotite	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.91906	0.129	0.00176223	0.129	302.778	0.093	0.99398288	0.063	1	4.8E-14	13	NOV	2013	10	10	1
13D04500	10.8 %	MV1203-D42-17	Biotite	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.91906	0.129	0.00176223	0.129	302.778	0.093	0.99398288	0.063	1	4.8E-14	13	NOV	2013	10	23	1
13D04501	11.6 %	MV1203-D42-17	Biotite	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.91906	0.129	0.00176223	0.129	302.778	0.093	0.99398288	0.063	1	4.8E-14	13	NOV	2013	10	35	1
13D04503	12.4 %	MV1203-D42-17	Biotite	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.91906	0.129	0.00176223	0.129	302.778	0.093	0.99398288	0.063	1	4.8E-14	13	NOV	2013	11	0	1
13D04504	13.2 %	MV1203-D42-17	Biotite	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.91906	0.129	0.00176223	0.129	302.778	0.093	0.99398288	0.063	1	4.8E-14	13	NOV	2013	11	12	1
13D04505	14.0 %	MV1203-D42-17	Biotite	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.91906	0.129	0.00176223	0.129	302.778	0.093	0.99398288	0.063	1	4.8E-14	13	NOV	2013	11	25	1
13D04507	14.8 %	MV1203-D42-17	Biotite	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.91906	0.129	0.00176223	0.129	302.778	0.093	0.99398288	0.063	1	4.8E-14	13	NOV	2013	11	50	1
13D04508	15.6 %	MV1203-D42-17	Biotite	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.91906	0.129	0.00176223	0.129	302.778	0.093	0.99398288	0.063	1	4.8E-14	13	NOV	2013	12	2	1
13D04509	16.4 %	MV1203-D42-17	Biotite	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.91906	0.129	0.00176223	0.129	302.778	0.093	0.99398288	0.063	1	4.8E-14	13	NOV	2013	12	14	1
13D04511	17.2 %	MV1203-D42-17	Biotite	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.91906	0.129	0.00176223	0.129	302.778	0.093	0.99398288	0.063	1	4.8E-14	13	NOV	2013	12	39	1
13D04512	18.0 %	MV1203-D42-17	Biotite	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.91906	0.129	0.00176223	0.129	302.778	0.093	0.99398288	0.063	1	4.8E-14	13	NOV	2013	12	52	1
13D04513	18.8 %	MV1203-D42-17	Biotite	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.91906	0.129	0.00176223	0.129	302.778	0.093	0.99398288	0.063	1	4.8E-14	13	NOV	2013	13	4	1
13D04514	19.6 %	MV1203-D42-17	Biotite	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.91906	0.129	0.00176223	0.129	302.778	0.093	0.99398288	0.063	1	4.8E-14	13	NOV	2013	13	17	1
13D04516	20.4 %	MV1203-D42-17	Biotite	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.91906	0.129	0.00176223	0.129	302.778	0.093	0.99398288	0.063	1	4.8E-14	13	NOV	2013	13	41	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
13D04485	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
13D04487	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
13D04488	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
13D04489	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
13D04491	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
13D04492	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
13D04493	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
13D04495	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
13D04496	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
13D04497	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
13D04499	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
13D04500	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
13D04501	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
13D04503	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
13D04504	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
13D04505	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
13D04507	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
13D04508	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
13D04509	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
13D04511	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
13D04512	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
13D04513	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
13D04514	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
13D04516	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

13D04484.AGE >>> MV1203-D42-17 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
9.35 ± 0.02
TOTAL FUSION
9.36 ± 0.03
NORMAL ISOCHRON
9.32 ± 0.03
INVERSE ISOCHRON
9.32 ± 0.03

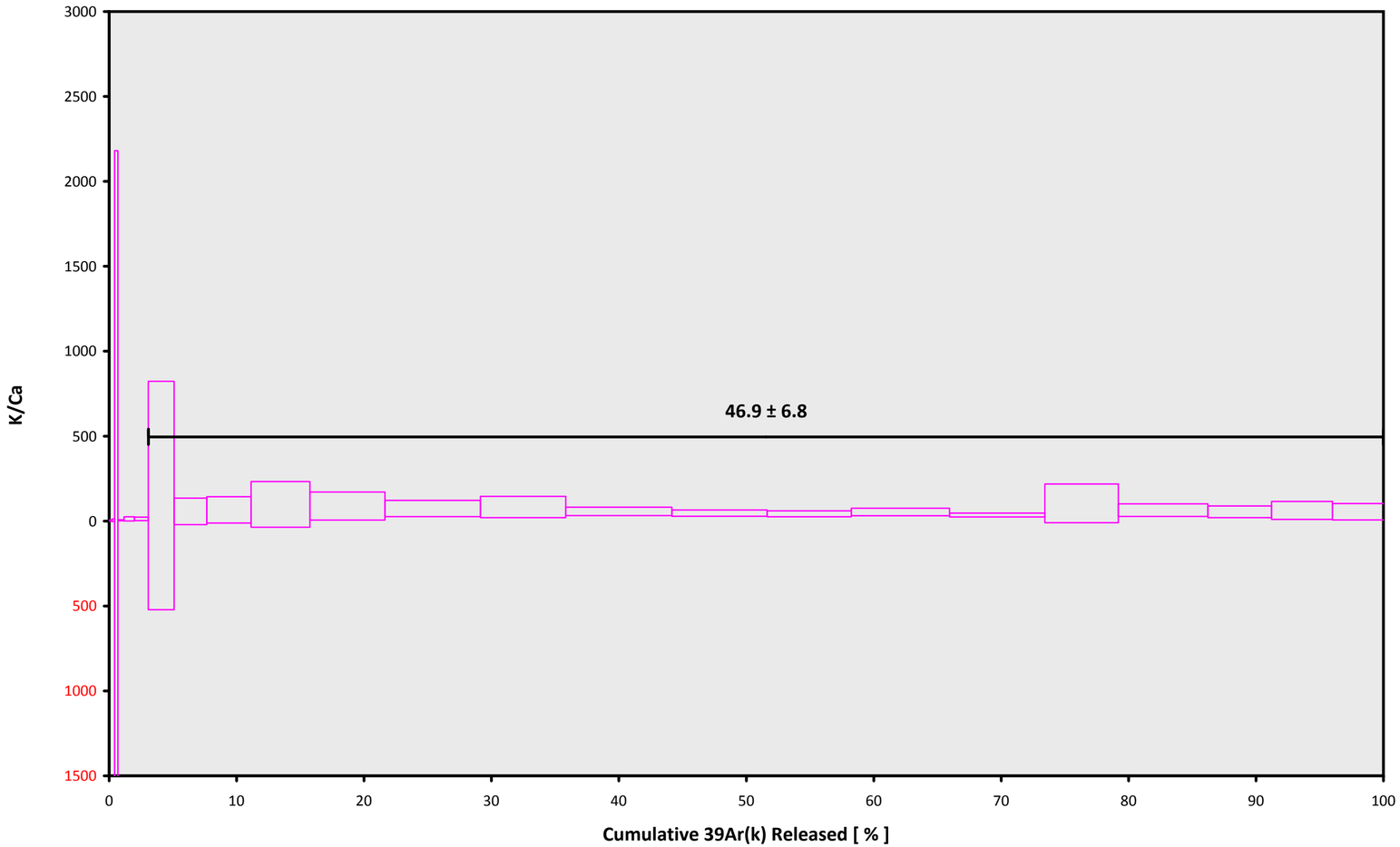
MSWD (PROBABILITY)
1.07 (37%)

Sample Info

Biotite
Esk Guyot
Susan Schnur

IRR = 13-OSU-05
J = 0.00176223 ± 0.00000227

13D04484.AGE >>> MV1203-D42-17 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

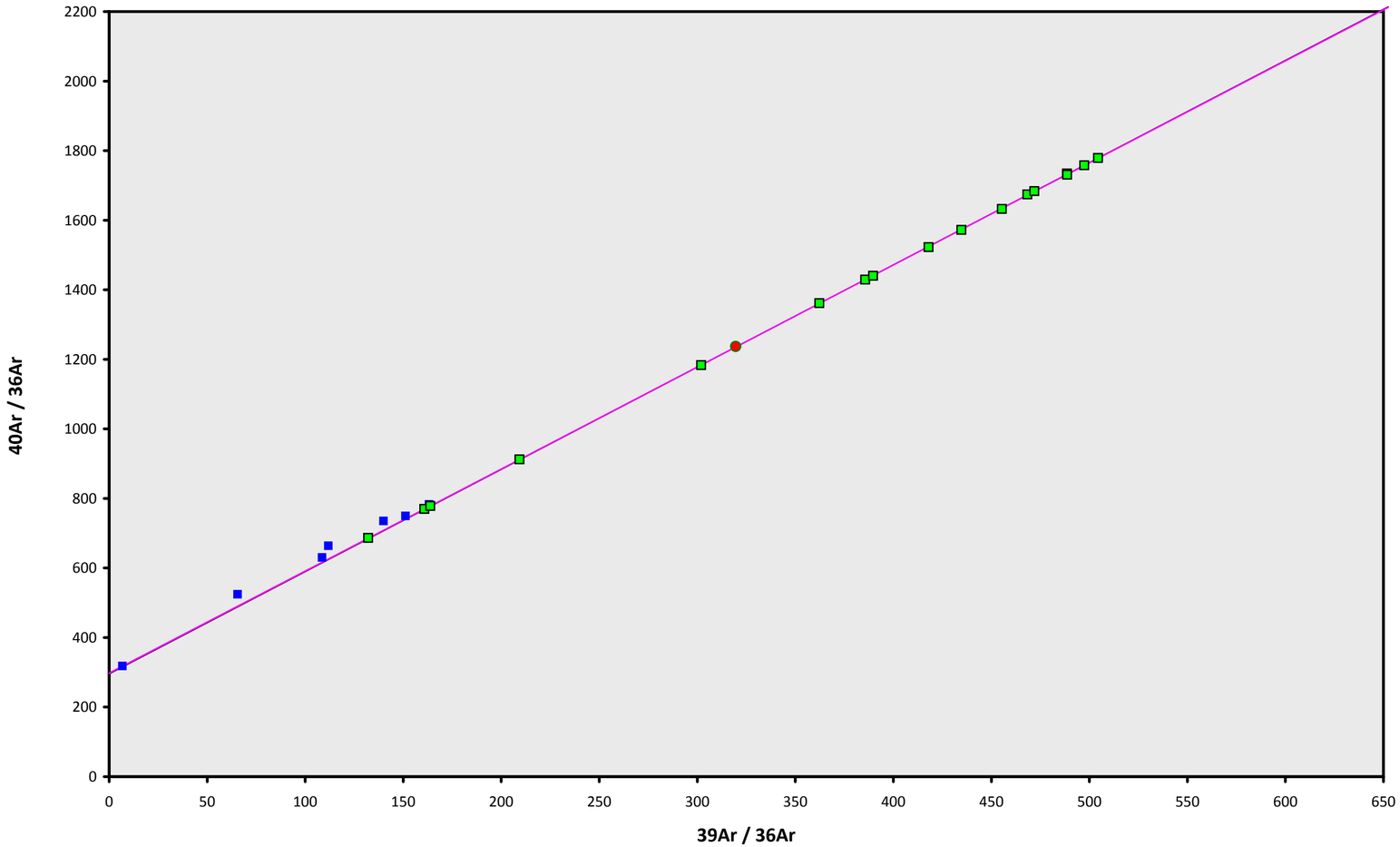
WEIGHTED PLATEAU
9.35 ± 0.02
TOTAL FUSION
9.36 ± 0.03
NORMAL ISOCHRON
9.32 ± 0.03
INVERSE ISOCHRON
9.32 ± 0.03

Sample Info

Biotite
Esk Guyot
Susan Schnur

IRR = 13-OSU-05
J = 0.00176223 ± 0.00000227

13D04484.AGE >>> MV1203-D42-17 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
9.35 ± 0.02
TOTAL FUSION
9.36 ± 0.03
NORMAL ISOCHRON
9.32 ± 0.03
INVERSE ISOCHRON
9.32 ± 0.03

MSWD (PROBABILITY)
0.68 (81%)

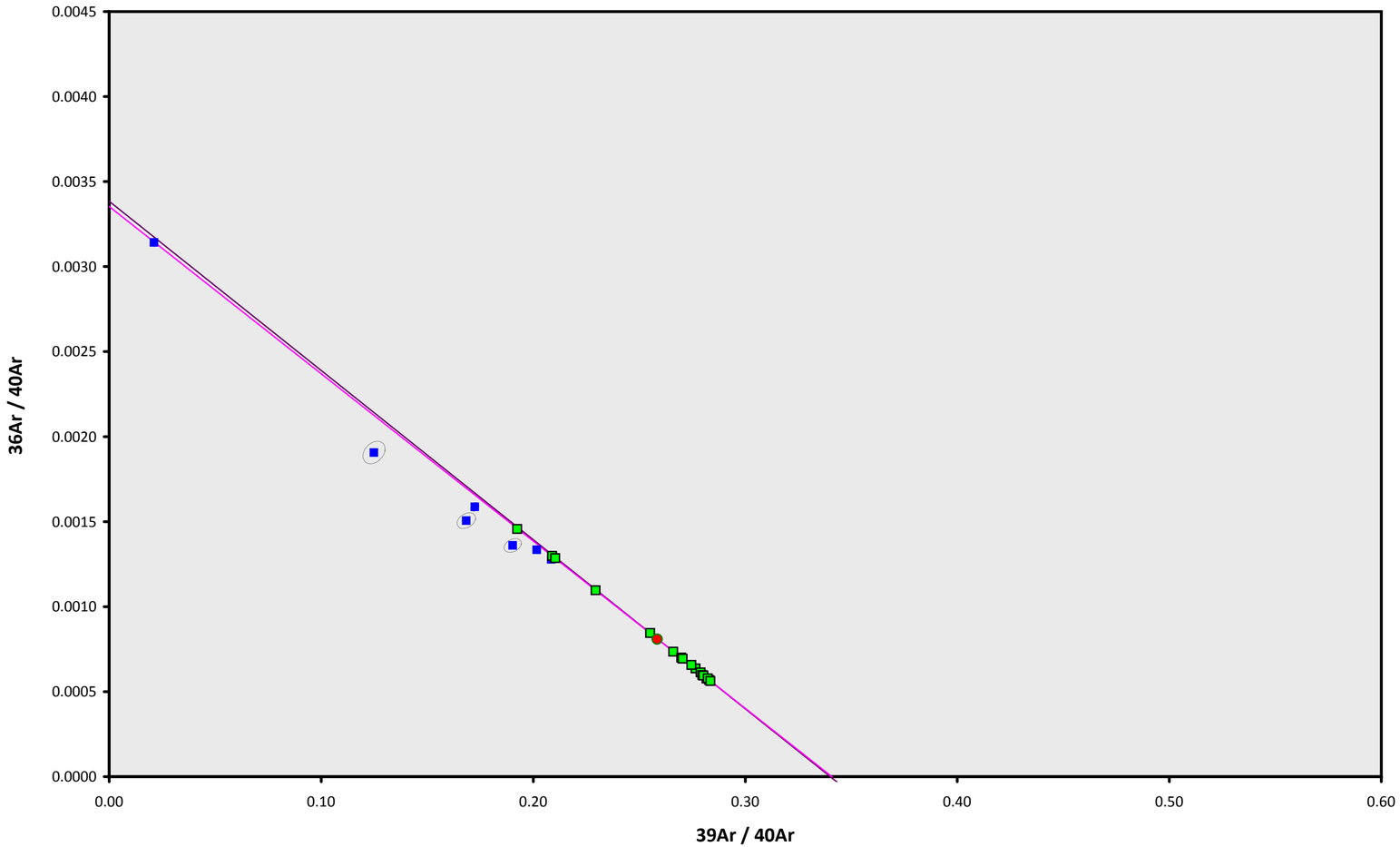
40AR/36AR INTERCEPT
298.1 ± 2.0

Sample Info

Biotite
Esk Guyot
Susan Schnur

IRR = 13-OSU-05
J = 0.00176223 ± 0.00000227

13D04484.AGE >>> MV1203-D42-17 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
9.35 ± 0.02
TOTAL FUSION
9.36 ± 0.03
NORMAL ISOCHRON
9.32 ± 0.03
INVERSE ISOCHRON
9.32 ± 0.03

MSWD (PROBABILITY)
0.68 (81%)

SPREADING FACTOR
26.7%

40AR/36AR INTERCEPT
298.2 ± 2.0

Sample Info

Biotite
Esk Guyot
Susan Schnur

IRR = 13-OSU-05
J = 0.00176223 ± 0.00000227