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
16D10512	1.8 %		0.0592130	0.839	211.0704	0.327	0.0084003	274.843	2.028164	1.122	29.6406	0.460	15.24497 ± 0.43065	42.78 ± 1.19	96.98	2.35	0.0038 ± 0.0001
16D10514	2.0 %		0.0585694	0.810	212.3891	0.328	0.0330445	69.481	2.062587	1.097	29.6560	0.459	15.13975 ± 0.41688	42.49 ± 1.16	97.97	2.39	0.0039 ± 0.0001
16D10515	2.4 %		0.0878148	0.689	317.6175	0.323	0.0531263	43.741	3.085158	0.770	44.2702	0.308	15.08541 ± 0.30258	42.34 ± 0.84	97.82	3.58	0.0039 ± 0.0001
16D10516	2.8 %	✓	0.1838414	0.482	665.3689	0.320	0.0852958	27.599	6.295195	0.354	91.8845	0.151	15.37822 ± 0.17060	43.15 ± 0.47	97.84	7.29	0.0038 ± 0.0000
16D10518	3.2 %	✓	0.1730336	0.504	631.8185	0.320	0.0972715	24.373	5.973328	0.373	86.2573	0.158	15.29324 ± 0.17671	42.91 ± 0.49	98.34	6.91	0.0038 ± 0.0000
16D10519	3.6 %	✓	0.2265888	0.443	833.0774	0.320	0.1433214	16.148	7.879875	0.298	114.2945	0.120	15.42504 ± 0.15107	43.28 ± 0.42	98.75	9.12	0.0038 ± 0.0000
16D10520	4.0 %	✓	0.1543476	0.488	568.2311	0.320	0.0691482	33.282	5.422130	0.428	79.0385	0.172	15.50635 ± 0.19009	43.51 ± 0.53	98.84	6.28	0.0038 ± 0.0000
16D10522	4.5 %	✓	0.1758834	0.505	640.3741	0.320	0.1003935	23.697	6.329888	0.356	92.6248	0.148	15.43445 ± 0.16918	43.31 ± 0.47	98.27	7.35	0.0040 ± 0.0000
16D10523	5.2 %	✓	0.1889884	0.473	694.0821	0.320	0.0993021	23.869	7.062351	0.323	103.9620	0.132	15.57751 ± 0.15517	43.70 ± 0.43	98.79	8.22	0.0041 ± 0.0000
16D10524	6.1 %	✓	0.2012838	0.462	737.8699	0.320	0.1149677	19.145	7.826812	0.287	115.2085	0.119	15.52409 ± 0.14157	43.56 ± 0.39	98.75	9.14	0.0043 ± 0.0000
16D10526	7.3 %	✓	0.2173265	0.458	781.8185	0.320	0.1321600	17.041	8.804244	0.258	130.3590	0.105	15.42161 ± 0.12963	43.27 ± 0.36	97.91	10.32	0.0046 ± 0.0000
16D10527	8.5 %	✓	0.1792180	0.514	600.6883	0.320	0.0206962	138.743	7.145538	0.323	109.7195	0.124	15.43152 ± 0.14969	43.30 ± 0.42	94.79	8.40	0.0048 ± 0.0000
16D10528	9.7 %	✓	0.1398137	0.538	452.0486	0.321	0.0892596	27.027	5.726847	0.400	90.1516	0.152	15.56566 ± 0.17126	43.67 ± 0.47	93.61	6.76	0.0052 ± 0.0001
16D10530	11.0 %	✓	0.0831017	0.762	245.3653	0.325	0.0471056	47.077	3.304643	0.671	54.3157	0.251	15.62833 ± 0.27009	43.84 ± 0.75	90.32	3.91	0.0055 ± 0.0001
16D10531	12.4 %	✓	0.0334273	1.266	108.7372	0.349	0.0107100	233.306	1.500524	1.421	23.7056	0.574	15.68196 ± 0.53793	43.99 ± 1.49	94.40	1.78	0.0056 ± 0.0002
16D10532	14.0 %	✓	0.0390576	1.070	118.8471	0.347	0.0208636	116.827	1.623639	1.322	26.8436	0.507	15.97082 ± 0.50662	44.79 ± 1.40	91.82	1.92	0.0056 ± 0.0002
16D10534	15.8 %	✓	0.0365903	1.179	119.1373	0.345	0.0091024	252.021	1.684093	1.325	26.7868	0.509	15.80401 ± 0.50002	44.33 ± 1.39	94.61	2.00	0.0058 ± 0.0002
16D10535	18.0 %	✓	0.0201035	1.846	58.4754	0.414	0.0305098	76.980	0.786405	2.796	13.1094	1.038	15.75603 ± 1.04056	44.20 ± 2.88	89.77	0.93	0.0055 ± 0.0003
16D10537	20.5 %	✓	0.0146408	2.398	42.7796	0.483	0.0021598	1095.314	0.512799	4.354	8.6856	1.565	15.96165 ± 1.63533	44.77 ± 4.53	88.93	0.60	0.0049 ± 0.0005
16D10538	22.5 %	✓	0.0096046	3.417	28.6321	0.633	0.0061983	374.842	0.339686	6.844	5.8698	2.318	16.49336 ± 2.61299	46.24 ± 7.23	90.01	0.40	0.0048 ± 0.0007
16D10540	24.5 %	✓	0.0095687	3.642	23.5935	0.744	0.0111849	205.530	0.282989	8.488	5.0209	2.708	15.16173 ± 3.01369	42.55 ± 8.36	80.64	0.33	0.0049 ± 0.0009
		Σ	2.2920168	0.140	8092.0218	0.087	1.1101300	9.753	85.676893	0.121	1281.4046	0.049					

Information on Analysis and Constants Used in Calculations

Project = **MV1203 (13-INT-04)**
Sample = **MV1203-D17-06**
Material = **Plagioclase**
Location = **Mayhew Guyot**
Region = **Walvis Ridge**
Analyst = **Susan Schnur**
Irradiation = **15-OSU-07 (7A34-15)**
Position = **X: 0 | Y: 0 | Z/H: 57.99 mm**
FCT-NM Age = **28.201 ± 0.023 Ma**
FCT-NM Reference = **Kuiper et al (2008)**
FCT-NM 40Ar/39Ar Ratio = **10.00881 ± 0.01421**
FCT-NM J-value = **0.00157036 ± 0.00000223**
Air Shot 40Ar/36Ar = **304.7490 ± 0.4175**
Air Shot MDF = **0.99240280 ± 0.00066446 (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 = **IESS10075**
Rock Class = **Igneous>Volcanic>Mafic**
Lithology = **Basalt**
Lat-Lon = **32°06.5'S - 3°30.2'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		15.47364 ± 0.05157 ± 0.33%	**43.42 ± 0.19 ± 0.43%**	1.14 31%	91.68 18	0.0042 ± 0.0002
		Full External Error ± 0.99		1.69	2σ Confidence Limit	
		Analytical Error ± 0.14		1.0682	Error Magnification	
Total Fusion Age		15.46669 ± 0.05191 ± 0.34%	**43.40 ± 0.19 ± 0.43%**		21	0.0043 ± 0.0000
		Full External Error ± 0.99				
		Analytical Error ± 0.14				
Normal Isochron	**321.15 ± 38.02 ± 11.84%**	15.43759 ± 0.07660 ± 0.50%	**43.32 ± 0.24 ± 0.56%**	1.00 46%	91.68 18	
		Full External Error ± 1.00		1.71	2σ Confidence Limit	
		Analytical Error ± 0.21		1.0000	Error Magnification	
				1	Number of Iterations	
				0.0000430630	Convergence	
Inverse Isochron	**339.31 ± 37.98 ± 11.19%**	15.40943 ± 0.07778 ± 0.50%	**43.24 ± 0.25 ± 0.57%**	0.90 57%	91.68 18	
		Full External Error ± 1.00		1.71	2σ Confidence Limit	
		Analytical Error ± 0.22		1.0000	Error Magnification	
Notes				4	Number of Iterations	
Good plateau				0.0000413646	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
16D10512	1.8 %		0.0030050	211.0704	0.0000000	1.885564	28.7454	42.78 ± 1.19	96.98	2.35	0.0038 ± 0.0001
16D10514	2.0 %		0.0020102	212.3891	0.0000000	1.919097	29.0547	42.49 ± 1.16	97.97	2.39	0.0039 ± 0.0001
16D10515	2.4 %		0.0032333	317.6175	0.0000000	2.870576	43.3038	42.34 ± 0.84	97.82	3.58	0.0039 ± 0.0001
16D10516	2.8 %	✓	0.0066537	665.3689	0.0000000	5.845672	89.8960	43.15 ± 0.47	97.84	7.29	0.0038 ± 0.0000
16D10518	3.2 %	✓	0.0047803	631.8185	0.0000000	5.546471	84.8235	42.91 ± 0.49	98.34	6.91	0.0038 ± 0.0000
16D10519	3.6 %	✓	0.0047403	833.0774	0.0000000	7.317048	112.8658	43.28 ± 0.42	98.75	9.12	0.0038 ± 0.0000
16D10520	4.0 %	✓	0.0030277	568.2311	0.0000000	5.038233	78.1246	43.51 ± 0.53	98.84	6.28	0.0038 ± 0.0000
16D10522	4.5 %	✓	0.0053518	640.3741	0.0000000	5.897251	91.0208	43.31 ± 0.47	98.27	7.35	0.0040 ± 0.0000
16D10523	5.2 %	✓	0.0041543	694.0821	0.0000000	6.593429	102.7092	43.70 ± 0.43	98.79	8.22	0.0041 ± 0.0000
16D10524	6.1 %	✓	0.0047890	737.8699	0.0000000	7.328307	113.7653	43.56 ± 0.39	98.75	9.14	0.0043 ± 0.0000
16D10526	7.3 %	✓	0.0091282	781.8185	0.0000000	8.276047	127.6300	43.27 ± 0.36	97.91	10.32	0.0046 ± 0.0000
16D10527	8.5 %	✓	0.0192547	600.6883	0.0000000	6.739713	104.0040	43.30 ± 0.42	94.79	8.40	0.0048 ± 0.0000
16D10528	9.7 %	✓	0.0194331	452.0486	0.0000000	5.421443	84.3884	43.67 ± 0.47	93.61	6.76	0.0052 ± 0.0001
16D10530	11.0 %	✓	0.0177610	245.3653	0.0000000	3.138874	49.0554	43.84 ± 0.75	90.32	3.91	0.0055 ± 0.0001
16D10531	12.4 %	✓	0.0044706	108.7372	0.0000000	1.427061	22.3791	43.99 ± 1.49	94.40	1.78	0.0056 ± 0.0002
16D10532	14.0 %	✓	0.0074086	118.8471	0.0000000	1.543346	24.6485	44.79 ± 1.40	91.82	1.92	0.0056 ± 0.0002
16D10534	15.8 %	✓	0.0048640	119.1373	0.0000000	1.603604	25.3434	44.33 ± 1.39	94.61	2.00	0.0058 ± 0.0002
16D10535	18.0 %	✓	0.0045291	58.4754	0.0164788	0.746899	11.7682	44.20 ± 2.88	89.77	0.93	0.0055 ± 0.0003
16D10537	20.5 %	✓	0.0032486	42.7796	0.0000000	0.483898	7.7238	44.77 ± 4.53	88.93	0.60	0.0049 ± 0.0005
16D10538	22.5 %	✓	0.0019799	28.6321	0.0000000	0.320342	5.2835	46.24 ± 7.23	90.01	0.40	0.0048 ± 0.0007
16D10540	24.5 %	✓	0.0032857	23.5935	0.0000000	0.267049	4.0489	42.55 ± 8.36	80.64	0.33	0.0049 ± 0.0009
		Σ	0.1371090	8092.0218	0.0164788	80.209923	1240.5822				

Information on Analysis

Project = **MV1203 (13-INT-04)**
Sample = **MV1203-D17-06**
Material = **Plagioclase**
Location = **Mayhew Guyot**
Region = **Walvis Ridge**
Analyst = **Susan Schnur**
Irradiation = **15-OSU-07 (7A34-15)**
J = **0.00157036 ± 0.00000223**
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	15.47364	± 0.05157	**43.42**	**± 0.19**	1.14	91.68	0.0042 ± 0.0002
		± 0.33%		**± 0.43%**	31%	18	
		Full External Error		± 0.99	1.69	2σ Confidence Limit	
		Analytical Error		± 0.14	1.0682	Error Magnification	
Total Fusion Age	15.46669	± 0.05191	**43.40**	**± 0.19**		21	0.0043 ± 0.0000
		± 0.34%		**± 0.43%**			
		Full External Error		± 0.99			
		Analytical Error		± 0.14			

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
16D10512	1.8 %		627.47 ± 224.54	9861.34 ± 3522.00	0.9974
16D10514	2.0 %		954.68 ± 490.78	14749.11 ± 7575.42	0.9988
16D10515	2.4 %		887.83 ± 371.30	13688.71 ± 5720.84	0.9991
16D10516	2.8 %	✓	878.56 ± 286.78	13806.22 ± 4505.48	0.9997
16D10518	3.2 %	✓	1160.28 ± 512.59	18039.88 ± 7968.46	0.9998
16D10519	3.6 %	✓	1543.60 ± 829.36	24105.57 ± 12950.74	0.9999
16D10520	4.0 %	✓	1664.04 ± 1016.20	26098.75 ± 15936.37	0.9999
16D10522	4.5 %	✓	1101.92 ± 442.21	17303.07 ± 6942.72	0.9998
16D10523	5.2 %	✓	1587.11 ± 845.99	25018.79 ± 13334.90	0.9999
16D10524	6.1 %	✓	1530.24 ± 742.06	24051.02 ± 11662.21	0.9999
16D10526	7.3 %	✓	906.64 ± 245.85	14277.40 ± 3870.77	0.9997
16D10527	8.5 %	✓	350.03 ± 39.38	5696.99 ± 639.77	0.9978
16D10528	9.7 %	✓	278.98 ± 24.95	4638.00 ± 413.16	0.9948
16D10530	11.0 %	✓	176.73 ± 13.67	3057.48 ± 232.91	0.9809
16D10531	12.4 %	✓	319.21 ± 63.18	5301.32 ± 1038.94	0.9868
16D10532	14.0 %	✓	208.32 ± 25.12	3622.52 ± 426.65	0.9694
16D10534	15.8 %	✓	329.69 ± 61.35	5505.89 ± 1014.63	0.9872
16D10535	18.0 %	✓	164.91 ± 29.15	2893.83 ± 485.98	0.9356
16D10537	20.5 %	✓	148.96 ± 35.40	2673.10 ± 591.45	0.9123
16D10538	22.5 %	✓	161.80 ± 59.11	2964.09 ± 1003.28	0.9090
16D10540	24.5 %	✓	81.28 ± 22.73	1527.79 ± 337.39	0.7422

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	**321.15 ± 38.02** **± 11.84%**	15.43759 ± 0.07660 ± 0.50%	**43.32 ± 0.24** **± 0.56%**	1.00 46%
			Full External Error ± 1.00	
			Analytical Error ± 0.21	

Statistics				
	2σ Confidence Limit	1.71	Convergence	0.000043062953
	Error Magnification	1.0000	Number of Iterations	1
	Number of Data Points	18	Calculated Line	Weighted York-2

Inverse Isochron			39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
16D10512	1.8 %		0.0636298 ± 0.0016483	0.00010141 ± 0.00003622	0.0091
16D10514	2.0 %		0.0647279 ± 0.0016432	0.00006780 ± 0.00003482	0.0065
16D10515	2.4 %		0.0648582 ± 0.0011522	0.00007305 ± 0.00003053	0.0051
16D10516	2.8 %	✓	0.0636352 ± 0.0005390	0.00007243 ± 0.00002364	0.0033
16D10518	3.2 %	✓	0.0643173 ± 0.0005719	0.00005543 ± 0.00002449	0.0026
16D10519	3.6 %	✓	0.0640349 ± 0.0004587	0.00004148 ± 0.00002229	0.0015
16D10520	4.0 %	✓	0.0637595 ± 0.0006411	0.00003832 ± 0.00002340	0.0019
16D10522	4.5 %	✓	0.0636836 ± 0.0005375	0.00005779 ± 0.00002319	0.0026
16D10523	5.2 %	✓	0.0634369 ± 0.0004851	0.00003997 ± 0.00002130	0.0017
16D10524	6.1 %	✓	0.0636246 ± 0.0004345	0.00004158 ± 0.00002016	0.0017
16D10526	7.3 %	✓	0.0635020 ± 0.0003896	0.00007004 ± 0.00001899	0.0027
16D10527	8.5 %	✓	0.0614412 ± 0.0004584	0.00017553 ± 0.00001971	0.0074
16D10528	9.7 %	✓	0.0601508 ± 0.0005482	0.00021561 ± 0.00001921	0.0114
16D10530	11.0 %	✓	0.0578022 ± 0.0008706	0.00032707 ± 0.00002492	0.0220
16D10531	12.4 %	✓	0.0602131 ± 0.0019299	0.00018863 ± 0.00003697	0.0210
16D10532	14.0 %	✓	0.0575066 ± 0.0017045	0.00027605 ± 0.00003251	0.0295
16D10534	15.8 %	✓	0.0598791 ± 0.0017763	0.00018162 ± 0.00003347	0.0190
16D10535	18.0 %	✓	0.0569868 ± 0.0035582	0.00034556 ± 0.00005803	0.0411
16D10537	20.5 %	✓	0.0557245 ± 0.0054305	0.00037410 ± 0.00008277	0.0454
16D10538	22.5 %	✓	0.0545860 ± 0.0083175	0.00033737 ± 0.00011419	0.0417
16D10540	24.5 %	✓	0.0531986 ± 0.0099948	0.00065454 ± 0.00014455	0.0707

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	**339.31 ± 37.98** **± 11.19%**	15.40943 ± 0.07778 ± 0.50%	**43.24 ± 0.25** **± 0.57%**	0.90 57%
			Full External Error ± 1.00	
			Analytical Error ± 0.22	

Statistics				
	2σ Confidence Limit	1.71	Convergence	0.0000413646
	Error Magnification	1.0000	Number of Iterations	4
	Number of Data Points	18	Calculated Line	Weighted York-2
	Spreading Factor	17.1%		

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
16D10512	1.8 %		0.0030050	17.85	0.0000000	0.00	0.0562080	0.36	0.0000000	0.00	211.0704	0.33	0.0005616	17.85	0.0000000	0.00	0.0226852	1.22	0.0151549	12.82	0.0000000	0.00	1.885564	1.21	0.1425991	1.36	28.7454	0.73	0.887979	17.85	0.0000000	0.00	0.0072085	2.92
16D10514	2.0 %		0.0020102	25.68	0.0000000	0.00	0.0565592	0.36	0.0000000	0.00	212.3891	0.33	0.0003757	25.68	0.0000000	0.00	0.0230887	1.19	0.0152495	12.82	0.0000000	0.00	1.919097	1.18	0.1434900	1.36	29.0547	0.70	0.594014	25.68	0.0000000	0.00	0.0073367	2.91
16D10515	2.4 %		0.0032333	20.89	0.0000000	0.00	0.0845815	0.36	0.0000000	0.00	317.6175	0.32	0.0006043	20.89	0.0000000	0.00	0.0345359	0.85	0.0228049	12.82	0.0000000	0.00	2.870576	0.83	0.2145824	1.36	43.3038	0.56	0.955430	20.89	0.0000000	0.00	0.0109742	2.79
16D10516	2.8 %	✓	0.0066537	16.32	0.0000000	0.00	0.1771877	0.35	0.0000000	0.00	665.3689	0.32	0.0012436	16.32	0.0000000	0.00	0.0703293	0.43	0.0477735	12.82	0.0000000	0.00	5.845672	0.40	0.4495232	1.36	89.8960	0.39	1.966163	16.32	0.0000000	0.00	0.0223480	2.69
16D10518	3.2 %	✓	0.0047803	22.09	0.0000000	0.00	0.1682533	0.35	0.0000000	0.00	631.8185	0.32	0.0008934	22.09	0.0000000	0.00	0.0667296	0.45	0.0453646	12.82	0.0000000	0.00	5.546471	0.42	0.4268565	1.36	84.8235	0.40	1.412579	22.09	0.0000000	0.00	0.0212042	2.69
16D10519	3.6 %	✓	0.0047403	26.86	0.0000000	0.00	0.2218485	0.35	0.0000000	0.00	833.0774	0.32	0.0008860	26.86	0.0000000	0.00	0.0880314	0.37	0.0598150	12.82	0.0000000	0.00	7.317048	0.34	0.5628271	1.36	112.8658	0.35	1.400745	26.86	0.0000000	0.00	0.0279731	2.68
16D10520	4.0 %	✓	0.0030277	30.53	0.0000000	0.00	0.1513199	0.35	0.0000000	0.00	568.2311	0.32	0.0005659	30.53	0.0000000	0.00	0.0606150	0.50	0.0407990	12.82	0.0000000	0.00	5.038233	0.47	0.3838969	1.36	78.1246	0.39	0.894686	30.53	0.0000000	0.00	0.0192612	2.70
16D10522	4.5 %	✓	0.0053518	20.06	0.0000000	0.00	0.1705316	0.35	0.0000000	0.00	640.3741	0.32	0.0010002	20.06	0.0000000	0.00	0.0709498	0.43	0.0459789	12.82	0.0000000	0.00	5.897251	0.40	0.4326368	1.36	91.0208	0.38	1.581452	20.06	0.0000000	0.00	0.0225452	2.69
16D10523	5.2 %	✓	0.0041543	26.65	0.0000000	0.00	0.1848341	0.35	0.0000000	0.00	694.0821	0.32	0.0007764	26.65	0.0000000	0.00	0.0793255	0.39	0.0498351	12.82	0.0000000	0.00	6.593429	0.36	0.4689219	1.36	102.7092	0.35	1.227610	26.65	0.0000000	0.00	0.0252067	2.68
16D10524	6.1 %	✓	0.0047890	24.24	0.0000000	0.00	0.1964947	0.35	0.0000000	0.00	737.8699	0.32	0.0008951	24.24	0.0000000	0.00	0.0881669	0.36	0.0529791	12.82	0.0000000	0.00	7.328307	0.32	0.4985049	1.36	113.7653	0.32	1.415151	24.24	0.0000000	0.00	0.0280161	2.68
16D10526	7.3 %	✓	0.0091282	13.56	0.0000000	0.00	0.2081983	0.35	0.0000000	0.00	781.8185	0.32	0.0017061	13.56	0.0000000	0.00	0.0995691	0.33	0.0561346	12.82	0.0000000	0.00	8.276047	0.29	0.5281966	1.36	127.6300	0.31	2.697392	13.56	0.0000000	0.00	0.0316393	2.68
16D10527	8.5 %	✓	0.0192547	5.61	0.0000000	0.00	0.1599633	0.35	0.0000000	0.00	600.6883	0.32	0.0035987	5.61	0.0000000	0.00	0.0810855	0.39	0.0431294	12.82	0.0000000	0.00	6.739713	0.35	0.4058250	1.36	104.0040	0.33	5.689757	5.61	0.0000000	0.00	0.0257659	2.68
16D10528	9.7 %	✓	0.0194331	4.45	0.0000000	0.00	0.1203805	0.35	0.0000000	0.00	452.0486	0.32	0.0036321	4.45	0.0000000	0.00	0.0652254	0.46	0.0324571	12.82	0.0000000	0.00	5.421443	0.43	0.3054040	1.36	84.3884	0.34	5.742487	4.45	0.0000000	0.00	0.0207262	2.69
16D10530	11.0 %	✓	0.0177610	3.80	0.0000000	0.00	0.0653408	0.36	0.0000000	0.00	245.3653	0.33	0.0033195	3.80	0.0000000	0.00	0.0377638	0.73	0.0176172	12.82	0.0000000	0.00	3.138874	0.71	0.1657688	1.36	49.0554	0.49	5.248363	3.80	0.0000000	0.00	0.0119999	2.75
16D10531	12.4 %	✓	0.0044706	9.78	0.0000000	0.00	0.0289567	0.38	0.0000000	0.00	108.7372	0.35	0.0008356	9.78	0.0000000	0.00	0.0171690	1.50	0.0078073	12.82	0.0000000	0.00	1.427061	1.50	0.0734628	1.37	22.3791	0.84	1.321069	9.78	0.0000000	0.00	0.0054557	3.05
16D10532	14.0 %	✓	0.0074086	5.87	0.0000000	0.00	0.0316490	0.38	0.0000000	0.00	118.8471	0.35	0.0013847	5.87	0.0000000	0.00	0.0185680	1.40	0.0085332	12.82	0.0000000	0.00	1.543346	1.39	0.0802931	1.36	24.6485	0.76	2.189235	5.87	0.0000000	0.00	0.0059002	3.00
16D10534	15.8 %	✓	0.0048640	9.20	0.0000000	0.00	0.0317263	0.38	0.0000000	0.00	119.1373	0.34	0.0009091	9.20	0.0000000	0.00	0.0192930	1.40	0.0085541	12.82	0.0000000	0.00	1.603604	1.39	0.0804891	1.36	25.3434	0.75	1.437314	9.20	0.0000000	0.00	0.0061306	3.00
16D10535	18.0 %	✓	0.0045291	8.33	0.0000000	0.00	0.0155720	0.44	0.0000023	142.58	58.4754	0.41	0.0008465	8.33	0.0000000	0.00	0.0089859	2.95	0.0041985	12.83	0.0164788	142.58	0.746899	2.94	0.0395060	1.38	11.7682	1.49	1.338358	8.33	0.0000000	0.00	0.0028554	3.97
16D10537	20.5 %	✓	0.0032486	10.95	0.0000000	0.00	0.0113922	0.51	0.0000000	0.00	42.7796	0.48	0.0006072	10.95	0.0000000	0.00	0.0058218	4.62	0.0030716	12.83	0.0000000	0.00	0.483898	4.61	0.0289019	1.41	7.7238	2.22	0.959952	10.95	0.0000000	0.00	0.0018499	5.33
16D10538	22.5 %	✓	0.0019799	16.76	0.0000000	0.00	0.0076247	0.65	0.0000000	0.00	28.6321	0.63	0.0003700	16.76	0.0000000	0.00	0.0038540	7.26	0.0020558	12.84	0.0000000	0.00	0.320342	7.26	0.0193438	1.46	5.2835	3.17	0.585059	16.76	0.0000000	0.00	0.0012247	7.73
16D10540	24.5 %	✓	0.0032857	10.70	0.0000000	0.00	0.0062829	0.76	0.0000000	0.00	23.5935	0.74	0.0006141	10.70	0.0000000	0.00	0.0032129	9.00	0.0016940	12.84	0.0000000	0.00	0.267049	9.00	0.0159398	1.52	4.0489	4.23	0.970926	10.70	0.0000000	0.00	0.0010209	9.38
		Σ	0.1371090	2.78	0.0000000	0.00	2.1549054	0.10	0.0000023	142.58	8092.0218	0.09	0.0256257	2.78	0.0000000	0.00	0.9650056	0.14	0.5810072	3.46	0.0164788	142.58	80.209923	0.13	5.4669699	0.37	1240.5822	0.10	40.515722	2.78	0.0000000	0.00	0.3066425	0.72
		Σ							2.2920168	0.19	8092.0218	0.09									1.5881172	1.95			85.676893	0.13							1281.4046	0.13

Additional Parameters			40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
16D10512	1.8 %		14.614482	0.177155	104.069688	1.215915	0.029195	0.000409	86.724	5.559157	1.00061300	1.423E-12
16D10514	2.0 %		14.378064	0.170978	102.972182	1.178895	0.028396	0.000387	86.736	5.560453	1.00061308	1.423E-12
16D10515	2.4 %		14.349420	0.118920	102.950142	0.859301	0.028464	0.000294	86.742	5.561064	1.00061312	2.125E-12
16D10516	2.8 %	✓	14.595980	0.056216	105.694725	0.504738	0.029203	0.000175	86.748	5.561750	1.00061316	4.410E-12
16D10518	3.2 %	✓	14.440408	0.058558	105.773276	0.520333	0.028968	0.000182	86.760	5.563047	1.00061325	4.140E-12
16D10519	3.6 %	✓	14.504608	0.046598	105.722163	0.461925	0.028755	0.000154	86.765	5.563658	1.00061329	5.486E-12
16D10520	4.0 %	✓	14.577028	0.067278	104.798505	0.560462	0.028466	0.000185	86.772	5.564345	1.00061333	3.794E-12
16D10522	4.5 %	✓	14.632935	0.056456	101.166741	0.484690	0.027786	0.000172	86.783	5.565642	1.00061341	4.446E-12
16D10523	5.2 %	✓	14.720595	0.051311	98.279197	0.446643	0.026760	0.000153	86.789	5.566253	1.00061345	4.990E-12
16D10524	6.1 %	✓	14.719720	0.045723	94.274641	0.405152	0.025717	0.000140	86.795	5.566940	1.00061350	5.530E-12
16D10526	7.3 %	✓	14.806385	0.041295	88.800191	0.365153	0.024684	0.000130	86.807	5.568238	1.00061358	6.257E-12
16D10527	8.5 %	✓	15.354971	0.053095	84.064807	0.382232	0.025081	0.000152	86.813	5.568850	1.00061362	5.267E-12
16D10528	9.7 %	✓	15.741922	0.067378	78.934985	0.405031	0.024414	0.000164	86.819	5.569537	1.00061366	4.327E-12
16D10530	11.0 %	✓	16.436185	0.117741	74.248670	0.553709	0.025147	0.000255	86.831	5.570836	1.00061375	2.607E-12
16D10531	12.4 %	✓	15.798241	0.242167	72.466141	1.060463	0.022277	0.000424	86.837	5.571524	1.00061379	1.138E-12
16D10532	14.0 %	✓	16.533005	0.234081	73.198024	1.000334	0.024056	0.000409	86.842	5.572135	1.00061383	1.288E-12
16D10534	15.8 %	✓	15.905780	0.225762	70.742682	0.968522	0.021727	0.000385	86.854	5.573435	1.00061391	1.286E-12
16D10535	18.0 %	✓	16.670010	0.497101	74.357918	2.101387	0.025564	0.000856	86.860	5.574123	1.00061396	6.292E-13
16D10537	20.5 %	✓	16.937623	0.783584	83.423556	3.654305	0.028551	0.001419	86.872	5.575423	1.00061404	4.169E-13
16D10538	22.5 %	✓	17.280082	1.248577	84.289892	5.793055	0.028275	0.002163	86.878	5.576034	1.00061408	2.818E-13
16D10540	24.5 %	✓	17.742297	1.580723	83.372424	7.103729	0.033813	0.003123	86.890	5.577335	1.00061416	2.410E-13

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
16D10512	1.8 %	0.0035167 ± 0.0002289	0.0055711 ± 0.0197781	0.0080839 ± 0.0159327	0.0108831 ± 0.0156648	0.8626694 ± 0.1347796
16D10514	2.0 %	0.0035783 ± 0.0002289	0.0132007 ± 0.0197781	0.0037238 ± 0.0159327	0.0359661 ± 0.0156648	0.8665985 ± 0.1347796
16D10515	2.4 %	0.0035721 ± 0.0002289	0.0146098 ± 0.0197781	0.0078155 ± 0.0159327	0.0415296 ± 0.0156648	0.8690168 ± 0.1347796
16D10516	2.8 %	0.0035476 ± 0.0002289	0.0149117 ± 0.0197781	0.0114372 ± 0.0159327	0.0440242 ± 0.0156648	0.8727790 ± 0.1347796
16D10518	3.2 %	0.0034733 ± 0.0002289	0.0127630 ± 0.0197781	0.0158179 ± 0.0159327	0.0404789 ± 0.0156648	0.8840774 ± 0.1347796
16D10519	3.6 %	0.0034343 ± 0.0002289	0.0109233 ± 0.0197781	0.0169257 ± 0.0159327	0.0361476 ± 0.0156648	0.8916154 ± 0.1347796
16D10520	4.0 %	0.0033930 ± 0.0002289	0.0084908 ± 0.0197781	0.0175566 ± 0.0159327	0.0299715 ± 0.0156648	0.9018771 ± 0.1347796
16D10522	4.5 %	0.0033337 ± 0.0002289	0.0035084 ± 0.0197781	0.0172726 ± 0.0159327	0.0163621 ± 0.0156648	0.9260778 ± 0.1347796
16D10523	5.2 %	0.0033180 ± 0.0002289	0.0012409 ± 0.0197781	0.0165979 ± 0.0159327	0.0097913 ± 0.0156648	0.9392859 ± 0.1347796
16D10524	6.1 %	0.0033114 ± 0.0002289	0.0010938 ± 0.0197781	0.0155141 ± 0.0159327	0.0027302 ± 0.0156648	0.9550957 ± 0.1347796
16D10526	7.3 %	0.0033313 ± 0.0002289	0.0045480 ± 0.0197781	0.0127582 ± 0.0159327	0.0086252 ± 0.0156648	0.9858637 ± 0.1347796
16D10527	8.5 %	0.0033541 ± 0.0002289	0.0056374 ± 0.0197781	0.0112345 ± 0.0159327	0.0127192 ± 0.0156648	0.9997076 ± 0.1347796
16D10528	9.7 %	0.0033878 ± 0.0002289	0.0064094 ± 0.0197781	0.0094107 ± 0.0159327	0.0161861 ± 0.0156648	1.0138312 ± 0.1347796
16D10530	11.0 %	0.0034645 ± 0.0002289	0.0065556 ± 0.0197781	0.0058063 ± 0.0159327	0.0192151 ± 0.0156648	1.0329639 ± 0.1347796
16D10531	12.4 %	0.0035045 ± 0.0002289	0.0059943 ± 0.0197781	0.0038869 ± 0.0159327	0.0189673 ± 0.0156648	1.0370098 ± 0.1347796
16D10532	14.0 %	0.0035342 ± 0.0002289	0.0051875 ± 0.0197781	0.0022086 ± 0.0159327	0.0177554 ± 0.0156648	1.0357443 ± 0.1347796
16D10534	15.8 %	0.0035588 ± 0.0002289	0.0028284 ± 0.0197781	0.0011903 ± 0.0159327	0.0126313 ± 0.0156648	1.0131713 ± 0.1347796
16D10535	18.0 %	0.0035373 ± 0.0002289	0.0014541 ± 0.0197781	0.0028650 ± 0.0159327	0.0089513 ± 0.0156648	0.9874375 ± 0.1347796
16D10537	20.5 %	0.0033945 ± 0.0002289	0.0006736 ± 0.0197781	0.0057496 ± 0.0159327	0.0015930 ± 0.0156648	0.9053025 ± 0.1347796
16D10538	22.5 %	0.0032661 ± 0.0002289	0.0011551 ± 0.0197781	0.0069779 ± 0.0159327	0.0014109 ± 0.0156648	0.8485434 ± 0.1347796
16D10540	24.5 %	0.0028186 ± 0.0002289	0.0001186 ± 0.0197781	0.0093379 ± 0.0159327	0.0047773 ± 0.0156648	0.6810690 ± 0.1347796

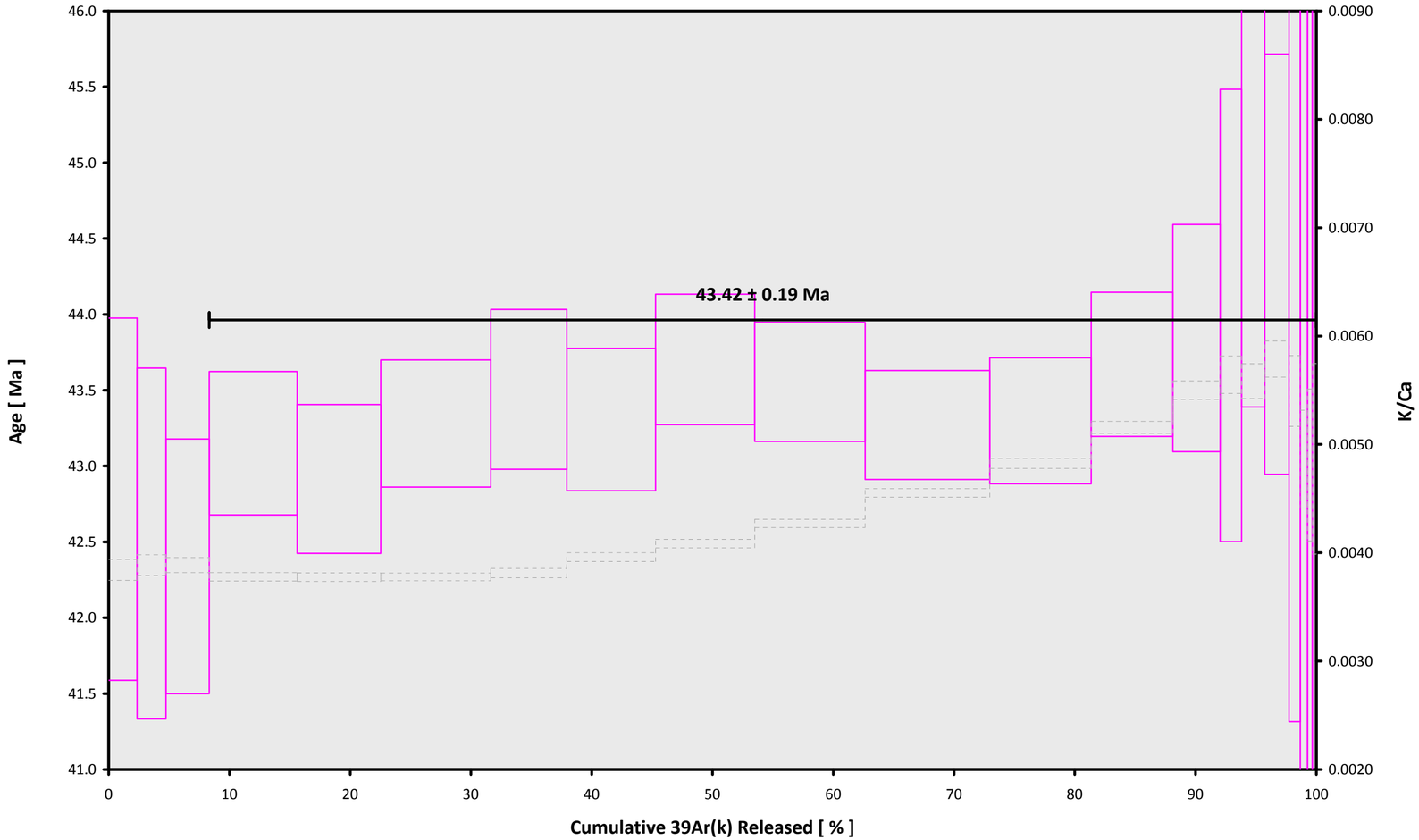
Intercept Values		36Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	37Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	38Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	39Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	40Ar ± 1σ (SE) [fA]	r2	Regression (type,n)
16D10512	1.8 %	0.0594251 ± 0.0003798	0.3608	EXP 149 of 150	37.1095370 ± 0.0185495	0.9930	EXP 150 of 150	0.0001888 ± 0.0162208	0.0060	EXP 150 of 150	2.0006688 ± 0.0161823	0.0008	EXP 150 of 150	30.5032292 ± 0.0200115	0.9966	EXP 150 of 150
16D10514	2.0 %	0.0588789 ± 0.0003538	0.1937	EXP 150 of 150	37.3402756 ± 0.0200917	0.9922	EXP 150 of 150	0.0288187 ± 0.0160435	0.0001	EXP 150 of 150	2.0097268 ± 0.0160102	0.0030	EXP 150 of 150	30.5226030 ± 0.0192568	0.9957	EXP 150 of 150
16D10515	2.4 %	0.0864859 ± 0.0004712	0.0000	EXP 150 of 150	55.8293046 ± 0.0216896	0.9959	EXP 150 of 150	0.0445038 ± 0.0164277	0.0000	EXP 150 of 150	3.0183592 ± 0.0174624	0.1941	EXP 150 of 150	45.1392480 ± 0.0192577	0.9940	EXP 150 of 150
16D10516	2.8 %	0.1771287 ± 0.0006503	0.3485	EXP 150 of 150	116.9252900 ± 0.0238584	0.9988	EXP 150 of 150	0.0725628 ± 0.0168400	0.0004	EXP 150 of 150	6.1996092 ± 0.0150675	0.7757	EXP 150 of 150	92.7573201 ± 0.0314502	0.8700	EXP 150 of 150
16D10518	3.2 %	0.1668497 ± 0.0006522	0.4818	EXP 150 of 150	111.0021841 ± 0.0275279	0.9983	EXP 150 of 150	0.0799759 ± 0.0170663	0.0029	EXP 150 of 150	5.8839228 ± 0.0151013	0.7910	EXP 150 of 150	87.1413689 ± 0.0224033	0.8837	EXP 150 of 150
16D10519	3.6 %	0.2173770 ± 0.0007092	0.5649	EXP 150 of 150	146.3387729 ± 0.0247701	0.9992	EXP 150 of 150	0.1242184 ± 0.0162967	0.0149	EXP 150 of 150	7.7791850 ± 0.0164073	0.8555	EXP 150 of 150	115.1861158 ± 0.0278156	0.4611	EXP 150 of 150
16D10520	4.0 %	0.1491264 ± 0.0005429	0.3455	EXP 150 of 150	99.8044618 ± 0.0223506	0.9986	EXP 150 of 150	0.0505411 ± 0.0161186	0.0072	EXP 150 of 150	5.3477465 ± 0.0164941	0.6383	EXP 150 of 150	79.9404149 ± 0.0184936	0.9683	EXP 150 of 150
16D10522	4.5 %	0.1694009 ± 0.0006666	0.3750	EXP 150 of 150	112.4434240 ± 0.0248451	0.9986	EXP 150 of 150	0.0815957 ± 0.0171771	0.0027	EXP 150 of 150	6.2616781 ± 0.0154126	0.8079	EXP 150 of 150	93.5509155 ± 0.0242713	0.5178	EXP 150 of 150
16D10523	5.2 %	0.1817588 ± 0.0006490	0.3901	EXP 150 of 150	121.8580924 ± 0.0247476	0.9988	EXP 150 of 150	0.0811956 ± 0.0170581	0.0000	EXP 150 of 150	6.9947118 ± 0.0156044	0.8460	EXP 150 of 150	104.9012906 ± 0.0250474	0.0293	EXP 150 of 150
16D10524	6.1 %	0.1933613 ± 0.0006700	0.4266	EXP 150 of 150	129.5273796 ± 0.0254035	0.9989	EXP 150 of 150	0.0977070 ± 0.0146962	0.0008	EXP 150 of 150	7.7599721 ± 0.0149573	0.8862	EXP 150 of 150	116.1635767 ± 0.0254336	0.7881	EXP 150 of 150
16D10526	7.3 %	0.2085286 ± 0.0007173	0.5372	EXP 150 of 150	137.2068373 ± 0.0263351	0.9990	EXP 150 of 150	0.1173940 ± 0.0154277	0.0006	EXP 150 of 150	8.7407525 ± 0.0151476	0.9122	EXP 149 of 150	131.3448823 ± 0.0246152	0.9740	EXP 150 of 150
16D10527	8.5 %	0.1725697 ± 0.0006993	0.4428	EXP 150 of 150	105.4053088 ± 0.0241193	0.9985	EXP 150 of 150	0.0091473 ± 0.0233625	0.0274	EXP 150 of 150	7.0997274 ± 0.0159667	0.8572	EXP 150 of 150	110.7192385 ± 0.0218999	0.9062	EXP 150 of 150
16D10528	9.7 %	0.1353984 ± 0.0005673	0.2073	EXP 150 of 150	79.3109129 ± 0.0211779	0.9980	EXP 150 of 150	0.0784928 ± 0.0176229	0.0002	EXP 150 of 150	5.6961235 ± 0.0160288	0.7718	EXP 150 of 150	91.1654093 ± 0.0235743	0.4428	EXP 150 of 150
16D10530	11.0 %	0.0819283 ± 0.0005087	0.0007	EXP 150 of 150	43.0356824 ± 0.0193615	0.9943	EXP 150 of 150	0.0405836 ± 0.0149360	0.0007	EXP 150 of 150	3.2967886 ± 0.0152788	0.3666	EXP 150 of 150	55.3486807 ± 0.0202790	0.9810	EXP 150 of 150
16D10531	12.4 %	0.0350662 ± 0.0003160	0.4662	EXP 150 of 150	19.0664402 ± 0.0182647	0.9735	EXP 150 of 150	0.0066603 ± 0.0187530	0.0022	EXP 150 of 150	1.5072001 ± 0.0141765	0.0509	EXP 150 of 150	24.7426501 ± 0.0193766	0.9951	EXP 150 of 150
16D10532	14.0 %	0.0404120 ± 0.0003051	0.5043	EXP 150 of 150	20.8382410 ± 0.0203266	0.9729	EXP 150 of 150	0.0183381 ± 0.0179538	0.0000	EXP 150 of 150	1.6280944 ± 0.0143723	0.0096	EXP 150 of 150	27.8793714 ± 0.0193940	0.9947	EXP 150 of 150
16D10534	15.8 %	0.0381069 ± 0.0003232	0.4208	EXP 150 of 150	20.8866086 ± 0.0189051	0.9767	EXP 150 of 150	0.0077738 ± 0.0160164	0.0269	EXP 150 of 150	1.6829292 ± 0.0155917	0.0444	EXP 150 of 150	27.7999855 ± 0.0208858	0.9934	EXP 150 of 150
16D10535	18.0 %	0.0225187 ± 0.0002602	0.6587	EXP 150 of 150	10.2503147 ± 0.0183630	0.9162	EXP 150 of 150	0.0329113 ± 0.0167669	0.0056	EXP 150 of 150	0.7889142 ± 0.0151587	0.0841	EXP 150 of 150	14.0968108 ± 0.0185258	0.9969	EXP 150 of 150
16D10537	20.5 %	0.0172182 ± 0.0002368	0.7384	EXP 149 of 150	7.4989333 ± 0.0186976	0.8424	EXP 150 of 150	0.0036227 ± 0.0169967	0.0001	EXP 150 of 150	0.5101919 ± 0.0156461	0.1021	EXP 149 of 150	9.5909060 ± 0.0173977	0.9974	EXP 150 of 150
16D10538	22.5 %	0.0123347 ± 0.0002074	0.8205	EXP 150 of 150	5.0191454 ± 0.0189670	0.7259	EXP 150 of 150	0.0008738 ± 0.0164218	0.0005	EXP 150 of 150	0.3354926 ± 0.0169162	0.1624	EXP 150 of 150	6.7183468 ± 0.0186509	0.9972	EXP 150 of 150
16D10540	24.5 %	0.0118532 ± 0.0002351	0.7765	EXP 150 of 150	4.1340898 ± 0.0195015	0.4610	EXP 150 of 150	0.0016771 ± 0.0160835	0.0000	EXP 150 of 150	0.2758937 ± 0.0179478	0.1638	EXP 150 of 150	5.7019457 ± 0.0177787	0.9974	EXP 150 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
16D10512	1.8 %	Susan Schnur	15-OSU-07	0.00	0.00	57.99	Walvis Ridge\MV1203 (13-INT-04)	16D10508	01
16D10514	2.0 %	Susan Schnur	15-OSU-07	0.00	0.00	57.99	Walvis Ridge\MV1203 (13-INT-04)	16D10508	01
16D10515	2.4 %	Susan Schnur	15-OSU-07	0.00	0.00	57.99	Walvis Ridge\MV1203 (13-INT-04)	16D10508	01
16D10516	2.8 %	Susan Schnur	15-OSU-07	0.00	0.00	57.99	Walvis Ridge\MV1203 (13-INT-04)	16D10508	01
16D10518	3.2 %	Susan Schnur	15-OSU-07	0.00	0.00	57.99	Walvis Ridge\MV1203 (13-INT-04)	16D10508	01
16D10519	3.6 %	Susan Schnur	15-OSU-07	0.00	0.00	57.99	Walvis Ridge\MV1203 (13-INT-04)	16D10508	01
16D10520	4.0 %	Susan Schnur	15-OSU-07	0.00	0.00	57.99	Walvis Ridge\MV1203 (13-INT-04)	16D10508	01
16D10522	4.5 %	Susan Schnur	15-OSU-07	0.00	0.00	57.99	Walvis Ridge\MV1203 (13-INT-04)	16D10508	01
16D10523	5.2 %	Susan Schnur	15-OSU-07	0.00	0.00	57.99	Walvis Ridge\MV1203 (13-INT-04)	16D10508	01
16D10524	6.1 %	Susan Schnur	15-OSU-07	0.00	0.00	57.99	Walvis Ridge\MV1203 (13-INT-04)	16D10508	01
16D10526	7.3 %	Susan Schnur	15-OSU-07	0.00	0.00	57.99	Walvis Ridge\MV1203 (13-INT-04)	16D10508	01
16D10527	8.5 %	Susan Schnur	15-OSU-07	0.00	0.00	57.99	Walvis Ridge\MV1203 (13-INT-04)	16D10508	01
16D10528	9.7 %	Susan Schnur	15-OSU-07	0.00	0.00	57.99	Walvis Ridge\MV1203 (13-INT-04)	16D10508	01
16D10530	11.0 %	Susan Schnur	15-OSU-07	0.00	0.00	57.99	Walvis Ridge\MV1203 (13-INT-04)	16D10508	01
16D10531	12.4 %	Susan Schnur	15-OSU-07	0.00	0.00	57.99	Walvis Ridge\MV1203 (13-INT-04)	16D10508	01
16D10532	14.0 %	Susan Schnur	15-OSU-07	0.00	0.00	57.99	Walvis Ridge\MV1203 (13-INT-04)	16D10508	01
16D10534	15.8 %	Susan Schnur	15-OSU-07	0.00	0.00	57.99	Walvis Ridge\MV1203 (13-INT-04)	16D10508	01
16D10535	18.0 %	Susan Schnur	15-OSU-07	0.00	0.00	57.99	Walvis Ridge\MV1203 (13-INT-04)	16D10508	01
16D10537	20.5 %	Susan Schnur	15-OSU-07	0.00	0.00	57.99	Walvis Ridge\MV1203 (13-INT-04)	16D10508	01
16D10538	22.5 %	Susan Schnur	15-OSU-07	0.00	0.00	57.99	Walvis Ridge\MV1203 (13-INT-04)	16D10508	01
16D10540	24.5 %	Susan Schnur	15-OSU-07	0.00	0.00	57.99	Walvis Ridge\MV1203 (13-INT-04)	16D10508	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
16D10512	1.8 %	MV1203-D17-06	Plagioclase	Mayhew Guyot	FCT-NM (7A34-15)	28.201	0.082	Kuiper et al (2008)	10.00881	0.142	0.00157036	0.142	304.749	0.137	0.9924028	0.067	1	4.8E-14	14	MAR	2016	7	52	1
16D10514	2.0 %	MV1203-D17-06	Plagioclase	Mayhew Guyot	FCT-NM (7A34-15)	28.201	0.082	Kuiper et al (2008)	10.00881	0.142	0.00157036	0.142	304.749	0.137	0.9924028	0.067	1	4.8E-14	14	MAR	2016	8	9	1
16D10515	2.4 %	MV1203-D17-06	Plagioclase	Mayhew Guyot	FCT-NM (7A34-15)	28.201	0.082	Kuiper et al (2008)	10.00881	0.142	0.00157036	0.142	304.749	0.137	0.9924028	0.067	1	4.8E-14	14	MAR	2016	8	17	1
16D10516	2.8 %	MV1203-D17-06	Plagioclase	Mayhew Guyot	FCT-NM (7A34-15)	28.201	0.082	Kuiper et al (2008)	10.00881	0.142	0.00157036	0.142	304.749	0.137	0.9924028	0.067	1	4.8E-14	14	MAR	2016	8	26	1
16D10518	3.2 %	MV1203-D17-06	Plagioclase	Mayhew Guyot	FCT-NM (7A34-15)	28.201	0.082	Kuiper et al (2008)	10.00881	0.142	0.00157036	0.142	304.749	0.137	0.9924028	0.067	1	4.8E-14	14	MAR	2016	8	43	1
16D10519	3.6 %	MV1203-D17-06	Plagioclase	Mayhew Guyot	FCT-NM (7A34-15)	28.201	0.082	Kuiper et al (2008)	10.00881	0.142	0.00157036	0.142	304.749	0.137	0.9924028	0.067	1	4.8E-14	14	MAR	2016	8	51	1
16D10520	4.0 %	MV1203-D17-06	Plagioclase	Mayhew Guyot	FCT-NM (7A34-15)	28.201	0.082	Kuiper et al (2008)	10.00881	0.142	0.00157036	0.142	304.749	0.137	0.9924028	0.067	1	4.8E-14	14	MAR	2016	9	0	1
16D10522	4.5 %	MV1203-D17-06	Plagioclase	Mayhew Guyot	FCT-NM (7A34-15)	28.201	0.082	Kuiper et al (2008)	10.00881	0.142	0.00157036	0.142	304.749	0.137	0.9924028	0.067	1	4.8E-14	14	MAR	2016	9	17	1
16D10523	5.2 %	MV1203-D17-06	Plagioclase	Mayhew Guyot	FCT-NM (7A34-15)	28.201	0.082	Kuiper et al (2008)	10.00881	0.142	0.00157036	0.142	304.749	0.137	0.9924028	0.067	1	4.8E-14	14	MAR	2016	9	25	1
16D10524	6.1 %	MV1203-D17-06	Plagioclase	Mayhew Guyot	FCT-NM (7A34-15)	28.201	0.082	Kuiper et al (2008)	10.00881	0.142	0.00157036	0.142	304.749	0.137	0.9924028	0.067	1	4.8E-14	14	MAR	2016	9	34	1
16D10526	7.3 %	MV1203-D17-06	Plagioclase	Mayhew Guyot	FCT-NM (7A34-15)	28.201	0.082	Kuiper et al (2008)	10.00881	0.142	0.00157036	0.142	304.749	0.137	0.9924028	0.067	1	4.8E-14	14	MAR	2016	9	51	1
16D10527	8.5 %	MV1203-D17-06	Plagioclase	Mayhew Guyot	FCT-NM (7A34-15)	28.201	0.082	Kuiper et al (2008)	10.00881	0.142	0.00157036	0.142	304.749	0.137	0.9924028	0.067	1	4.8E-14	14	MAR	2016	9	59	1
16D10528	9.7 %	MV1203-D17-06	Plagioclase	Mayhew Guyot	FCT-NM (7A34-15)	28.201	0.082	Kuiper et al (2008)	10.00881	0.142	0.00157036	0.142	304.749	0.137	0.9924028	0.067	1	4.8E-14	14	MAR	2016	10	8	1
16D10530	11.0 %	MV1203-D17-06	Plagioclase	Mayhew Guyot	FCT-NM (7A34-15)	28.201	0.082	Kuiper et al (2008)	10.00881	0.142	0.00157036	0.142	304.749	0.137	0.9924028	0.067	1	4.8E-14	14	MAR	2016	10	25	1
16D10531	12.4 %	MV1203-D17-06	Plagioclase	Mayhew Guyot	FCT-NM (7A34-15)	28.201	0.082	Kuiper et al (2008)	10.00881	0.142	0.00157036	0.142	304.749	0.137	0.9924028	0.067	1	4.8E-14	14	MAR	2016	10	34	1
16D10532	14.0 %	MV1203-D17-06	Plagioclase	Mayhew Guyot	FCT-NM (7A34-15)	28.201	0.082	Kuiper et al (2008)	10.00881	0.142	0.00157036	0.142	304.749	0.137	0.9924028	0.067	1	4.8E-14	14	MAR	2016	10	42	1
16D10534	15.8 %	MV1203-D17-06	Plagioclase	Mayhew Guyot	FCT-NM (7A34-15)	28.201	0.082	Kuiper et al (2008)	10.00881	0.142	0.00157036	0.142	304.749	0.137	0.9924028	0.067	1	4.8E-14	14	MAR	2016	10	59	1
16D10535	18.0 %	MV1203-D17-06	Plagioclase	Mayhew Guyot	FCT-NM (7A34-15)	28.201	0.082	Kuiper et al (2008)	10.00881	0.142	0.00157036	0.142	304.749	0.137	0.9924028	0.067	1	4.8E-14	14	MAR	2016	11	8	1
16D10537	20.5 %	MV1203-D17-06	Plagioclase	Mayhew Guyot	FCT-NM (7A34-15)	28.201	0.082	Kuiper et al (2008)	10.00881	0.142	0.00157036	0.142	304.749	0.137	0.9924028	0.067	1	4.8E-14	14	MAR	2016	11	25	1
16D10538	22.5 %	MV1203-D17-06	Plagioclase	Mayhew Guyot	FCT-NM (7A34-15)	28.201	0.082	Kuiper et al (2008)	10.00881	0.142	0.00157036	0.142	304.749	0.137	0.9924028	0.067	1	4.8E-14	14	MAR	2016	11	33	1
16D10540	24.5 %	MV1203-D17-06	Plagioclase	Mayhew Guyot	FCT-NM (7A34-15)	28.201	0.082	Kuiper et al (2008)	10.00881	0.142	0.00157036	0.142	304.749	0.137	0.9924028	0.067	1	4.8E-14	14	MAR	2016	11	50	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
16D10512	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
16D10514	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
16D10515	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
16D10516	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
16D10518	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
16D10519	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
16D10520	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
16D10522	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
16D10523	5.2 %	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
16D10524	6.1 %	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
16D10526	7.3 %	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
16D10527	8.5 %	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
16D10528	9.7 %	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
16D10530	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
16D10531	12.4 %	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
16D10532	14.0 %	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
16D10534	15.8 %	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
16D10535	18.0 %	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
16D10537	20.5 %	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
16D10538	22.5 %	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
16D10540	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

16D10508.AGE >>> MV1203-D17-06 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
43.42 ± 0.19
TOTAL FUSION
43.40 ± 0.19
NORMAL ISOCHRON
43.32 ± 0.24
INVERSE ISOCHRON
43.24 ± 0.25

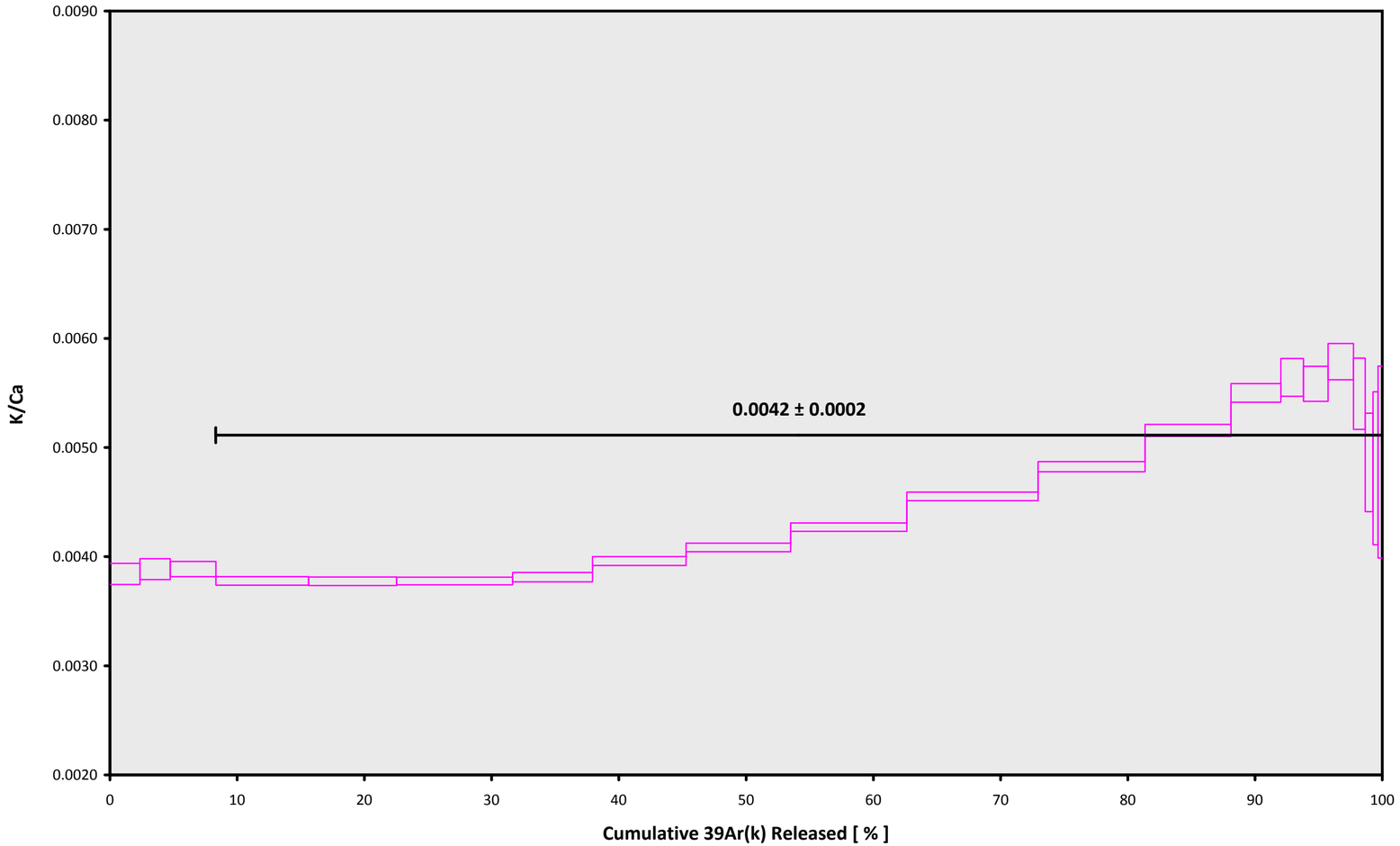
MSWD (PROBABILITY)
1.14 (31%)

Sample Info

Plagioclase
Mayhew Guyot
Susan Schnur

IRR = 15-OSU-07 (7A34-15)
J = 0.00157036 ± 0.00000223

16D10508.AGE >>> MV1203-D17-06 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

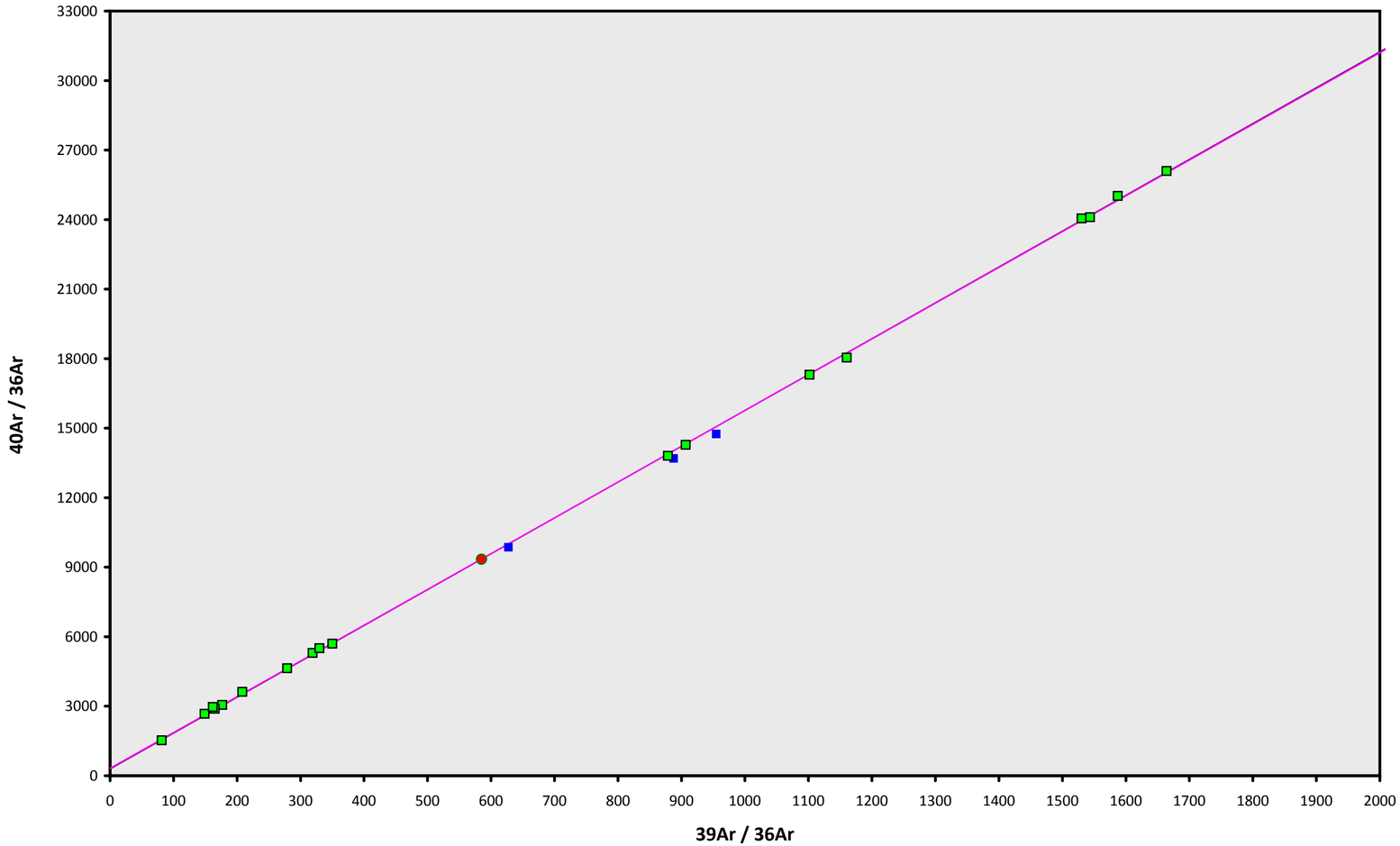
WEIGHTED PLATEAU
43.42 ± 0.19
TOTAL FUSION
43.40 ± 0.19
NORMAL ISOCHRON
43.32 ± 0.24
INVERSE ISOCHRON
43.24 ± 0.25

Sample Info

Plagioclase
Mayhew Guyot
Susan Schnur

IRR = 15-OSU-07 (7A34-15)
J = 0.00157036 ± 0.00000223

16D10508.AGE >>> MV1203-D17-06 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
43.42 ± 0.19
TOTAL FUSION
43.40 ± 0.19
NORMAL ISOCHRON
43.32 ± 0.24
INVERSE ISOCHRON
43.24 ± 0.25

MSWD (PROBABILITY)
1.00 (46%)

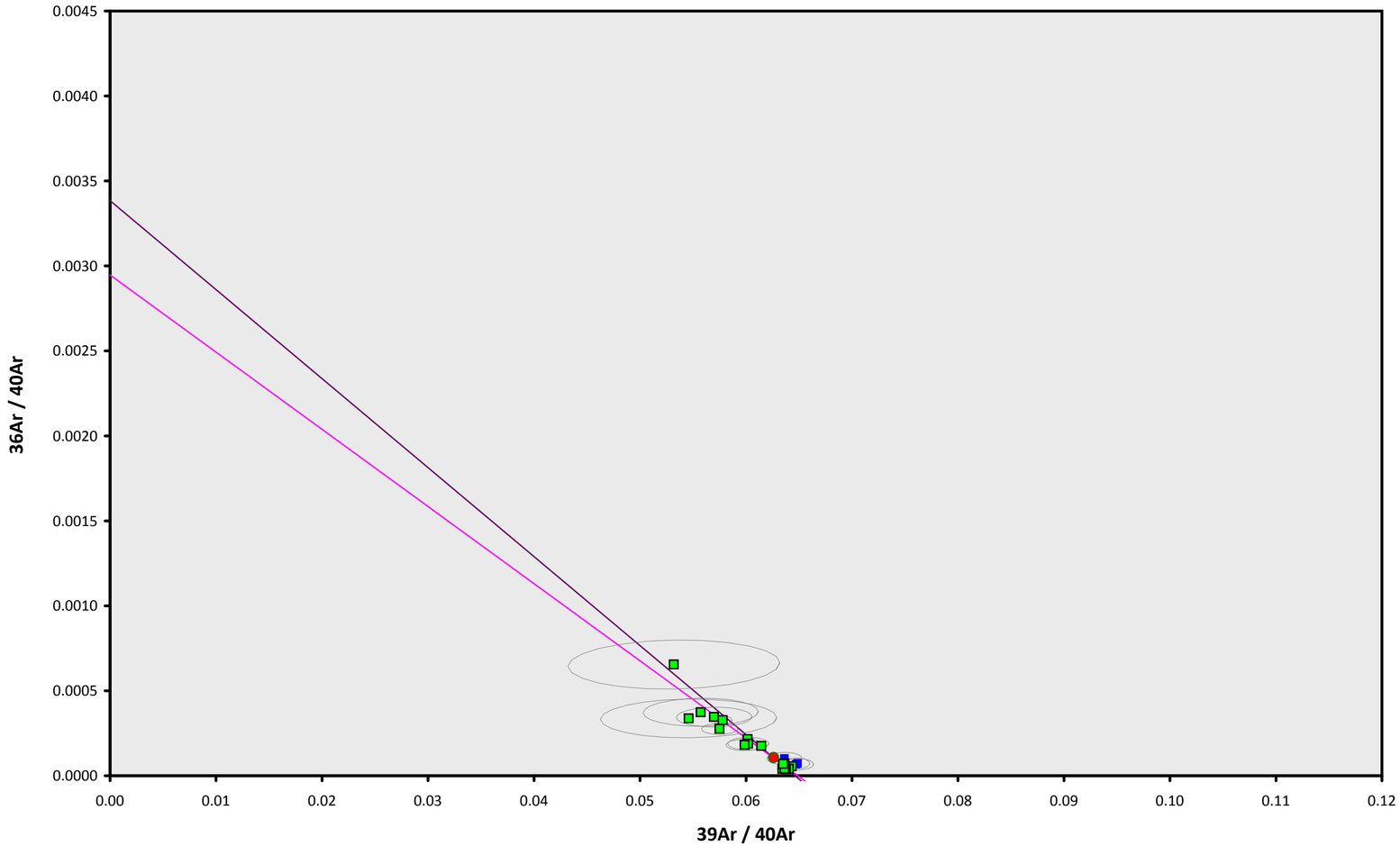
40AR/36AR INTERCEPT
321.1 ± 38.0

Sample Info

Plagioclase
Mayhew Guyot
Susan Schnur

IRR = 15-OSU-07 (7A34-15)
J = 0.00157036 ± 0.00000223

16D10508.AGE >>> MV1203-D17-06 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
43.42 ± 0.19
TOTAL FUSION
43.40 ± 0.19
NORMAL ISOCHRON
43.32 ± 0.24
INVERSE ISOCHRON
43.24 ± 0.25

MSWD (PROBABILITY)
0.90 (57%)

SPREADING FACTOR
17.1%

40AR/36AR INTERCEPT
339.3 ± 38.0

Sample Info

Plagioclase
Mayhew Guyot
Susan Schnur

IRR = 15-OSU-07 (7A34-15)
J = 0.00157036 ± 0.00000223