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
16D07402	1.8 %		0.0432996	1.087	68.2046	0.308	0.0312428	76.353	0.255607	9.073	10.6292	0.687	15.27781 ± 3.70454	45.44 ± 10.88	30.12	0.76	0.0013 ± 0.0003
16D07404	2.0 %		0.1742312	0.490	116.7887	0.290	0.0681093	35.907	0.379492	5.765	47.8232	0.154	18.39053 ± 3.20616	54.56 ± 9.37	11.56	1.09	0.0011 ± 0.0002
16D07405	2.4 %		0.0662511	0.831	126.7164	0.288	0.0336229	77.762	0.412630	5.553	15.3447	0.475	17.54706 ± 2.70007	52.09 ± 7.90	37.40	1.18	0.0011 ± 0.0002
16D07406	2.8 %		0.1450796	0.550	229.7482	0.281	0.0653006	36.897	0.773578	2.937	35.9830	0.201	18.09586 ± 1.56656	53.69 ± 4.58	31.10	2.23	0.0012 ± 0.0001
16D07408	3.2 %		0.2214582	0.436	413.2402	0.278	0.0517219	47.578	1.247403	1.756	52.7492	0.140	20.47387 ± 1.14011	60.63 ± 3.32	37.58	3.50	0.0010 ± 0.0000
16D07409	3.6 %	✓	0.1657828	0.498	390.2279	0.278	0.0307396	80.230	1.088133	2.152	34.7733	0.211	19.99887 ± 1.32584	59.25 ± 3.86	47.42	2.98	0.0009 ± 0.0001
16D07410	4.0 %	✓	0.1370811	0.552	362.1507	0.278	0.0198209	120.119	1.013892	2.266	26.8282	0.272	19.26107 ± 1.33399	57.10 ± 3.89	55.23	2.78	0.0009 ± 0.0001
16D07412	4.5 %	✓	0.2490638	0.437	475.5465	0.277	0.0362385	70.365	1.394996	1.680	56.6484	0.131	19.06232 ± 1.06941	56.52 ± 3.12	36.13	3.88	0.0010 ± 0.0000
16D07413	5.2 %	✓	0.2572797	0.440	633.7820	0.277	0.0768090	31.939	1.933988	1.145	54.7022	0.135	18.95577 ± 0.76331	56.21 ± 2.23	52.18	5.44	0.0010 ± 0.0000
16D07414	6.1 %	✓	0.4053213	0.363	883.4218	0.277	0.0844664	29.003	2.937936	0.747	95.3810	0.078	19.27195 ± 0.57031	57.13 ± 1.66	47.30	8.45	0.0011 ± 0.0000
16D07416	7.3 %	✓	0.5217549	0.344	1046.0748	0.277	0.1095078	22.013	3.863265	0.594	132.5485	0.056	19.22208 ± 0.48355	56.98 ± 1.41	45.78	11.40	0.0013 ± 0.0000
16D07417	8.5 %	✓	0.6702164	0.331	1077.5636	0.277	0.1645116	15.372	4.586743	0.531	187.0502	0.040	19.12068 ± 0.45131	56.69 ± 1.32	39.44	13.93	0.0015 ± 0.0000
16D07418	9.7 %	✓	0.5107340	0.345	790.1608	0.277	0.1027287	24.479	3.282802	0.708	142.3166	0.053	19.48485 ± 0.53481	57.75 ± 1.56	37.64	9.93	0.0015 ± 0.0000
16D07420	11.0 %	✓	0.3618463	0.375	526.7574	0.277	0.0797921	31.265	2.087795	1.104	100.5889	0.074	20.27125 ± 0.74052	60.04 ± 2.16	34.90	6.25	0.0014 ± 0.0000
16D07421	12.4 %		0.4173943	0.359	529.2695	0.277	0.0976456	25.330	2.308615	0.988	123.3722	0.061	21.35980 ± 0.70014	63.21 ± 2.04	33.78	7.04	0.0016 ± 0.0000
16D07422	14.0 %		0.4308132	0.349	568.5736	0.277	0.1134565	21.270	2.740940	0.874	135.9931	0.054	22.66653 ± 0.61877	67.01 ± 1.80	39.28	8.51	0.0018 ± 0.0000
16D07424	15.8 %		0.2951099	0.418	389.5188	0.278	0.0752076	32.277	1.408204	1.614	84.1394	0.088	24.08808 ± 1.17834	71.13 ± 3.41	32.78	4.13	0.0013 ± 0.0001
16D07425	18.0 %		0.2156246	0.467	361.0936	0.279	0.0733975	32.207	1.070704	2.092	58.5260	0.127	28.08743 ± 1.72162	82.67 ± 4.95	39.68	2.99	0.0010 ± 0.0001
16D07427	20.5 %		0.1468710	0.529	284.1469	0.279	0.0518200	47.780	0.690678	3.331	37.1311	0.196	32.26167 ± 3.16042	94.64 ± 9.03	43.33	1.80	0.0008 ± 0.0001
16D07428	22.5 %		0.0984841	0.616	180.3384	0.283	0.0241710	99.521	0.447672	4.826	25.2769	0.289	31.80959 ± 4.40287	93.35 ± 12.59	41.00	1.18	0.0008 ± 0.0001
16D07430	24.5 %		0.0541116	0.834	113.5714	0.290	0.0149860	158.958	0.234053	9.497	12.6072	0.580	35.30149 ± 10.17860	103.31 ± 28.95	44.05	0.57	0.0006 ± 0.0002
		Σ	5.5878087	0.098	9566.8960	0.072	1.3753244	8.175	34.159124	0.306	1470.4126	0.023					

Information on Analysis and Constants Used in Calculations

Project = **MV1203 (13-INT-04)**
Sample = **MV1203-D14-05**
Material = **Plagioclase**
Location = **Bottlenose Seamount**
Region = **Walvis Ridge**
Analyst = **Susan Schnur**
Irradiation = **15-OSU-07 (7A22-15)**
Position = **X: 0 | Y: 0 | Z/H: 38.84 mm**
FCT-NM Age = **28.201 ± 0.023 Ma**
FCT-NM Reference = **Kuiper et al (2008)**
FCT-NM 40Ar/39Ar Ratio = **9.43709 ± 0.01425**
FCT-NM J-value = **0.00166549 ± 0.00000251**
Air Shot 40Ar/36Ar = **304.7380 ± 0.4144**
Air Shot MDF = **0.99241156 ± 0.00066327 (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 = **IESS10070**
Rock Class = **Igneous>Volcanic>Mafic**
Lithology = **Basalt**
Lat-Lon = **30°48.4'S - 1°16.2'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		19.33261 ± 0.24392 ± 1.26%	**57.31 ± 0.73 ± 1.28%**	1.27	65.03	0.0013 ± 0.0001
				26%	9	
		Full External Error ± 1.48		2.00	2σ Confidence Limit	
		Analytical Error ± 0.71		1.1258	Error Magnification	
Total Fusion Age		20.65112 ± 0.20413 ± 0.99%	**61.15 ± 0.62 ± 1.02%**		21	0.0012 ± 0.0000
		Full External Error ± 1.50				
		Analytical Error ± 0.59				
Normal Isochron	**304.80 ± 10.55 ± 3.46%**	18.49572 ± 0.98149 ± 5.31%	**54.86 ± 2.87 ± 5.24%**	1.03	65.03	
				41%	9	
		Full External Error ± 3.12		2.07	2σ Confidence Limit	
		Analytical Error ± 2.87		1.0151	Error Magnification	
				9	Number of Iterations	
				0.0001673424	Convergence	
Inverse Isochron	**304.91 ± 10.54 ± 3.46%**	18.49036 ± 0.98078 ± 5.30%	**54.85 ± 2.87 ± 5.23%**	1.04	65.03	
				40%	9	
		Full External Error ± 3.12		2.07	2σ Confidence Limit	
		Analytical Error ± 2.87		1.0178	Error Magnification	
Notes				3	Number of Iterations	
Good plateau				0.0000251389	Convergence	
				21%	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
16D07402	1.8 %		0.0251347	68.2046	0.0191272	0.209528	3.20113	45.44 ± 10.88	30.12	0.76	0.0013 ± 0.0003
16D07404	2.0 %		0.1431272	116.7887	0.0293570	0.300589	5.52800	54.56 ± 9.37	11.56	1.09	0.0011 ± 0.0002
16D07405	2.4 %		0.0325050	126.7164	0.0145151	0.327020	5.73824	52.09 ± 7.90	37.40	1.18	0.0011 ± 0.0002
16D07406	2.8 %		0.0838949	229.7482	0.0256853	0.618360	11.18975	53.69 ± 4.58	31.10	2.23	0.0012 ± 0.0001
16D07408	3.2 %		0.1114124	413.2402	0.0000000	0.968218	19.82318	60.63 ± 3.32	37.58	3.50	0.0010 ± 0.0000
16D07409	3.6 %	✓	0.0618651	390.2279	0.0000000	0.824495	16.48896	59.25 ± 3.86	47.42	2.98	0.0009 ± 0.0001
16D07410	4.0 %	✓	0.0406404	362.1507	0.0000000	0.769223	14.81606	57.10 ± 3.89	55.23	2.78	0.0009 ± 0.0001
16D07412	4.5 %	✓	0.1224257	475.5465	0.0000000	1.073716	20.46753	56.52 ± 3.12	36.13	3.88	0.0010 ± 0.0000
16D07413	5.2 %	✓	0.0885035	633.7820	0.0000000	1.505805	28.54368	56.21 ± 2.23	52.18	5.44	0.0010 ± 0.0000
16D07414	6.1 %	✓	0.1700661	883.4218	0.0000000	2.341096	45.11750	57.13 ± 1.66	47.30	8.45	0.0011 ± 0.0000
16D07416	7.3 %	✓	0.2431851	1046.0748	0.0000000	3.156537	60.67519	56.98 ± 1.41	45.78	11.40	0.0013 ± 0.0000
16D07417	8.5 %	✓	0.3832613	1077.5636	0.0000000	3.858741	73.78176	56.69 ± 1.32	39.44	13.93	0.0015 ± 0.0000
16D07418	9.7 %	✓	0.3003142	790.1608	0.0000000	2.748969	53.56325	57.75 ± 1.56	37.64	9.93	0.0015 ± 0.0000
16D07420	11.0 %	✓	0.2215708	526.7574	0.0000000	1.731918	35.10815	60.04 ± 2.16	34.90	6.25	0.0014 ± 0.0000
16D07421	12.4 %		0.2764498	529.2695	0.0000000	1.951041	41.67384	63.21 ± 2.04	33.78	7.04	0.0016 ± 0.0000
16D07422	14.0 %		0.2794020	568.5736	0.0000000	2.356812	53.42075	67.01 ± 1.80	39.28	8.51	0.0018 ± 0.0000
16D07424	15.8 %		0.1913811	389.5188	0.0000000	1.145045	27.58193	71.13 ± 3.41	32.78	4.13	0.0013 ± 0.0001
16D07425	18.0 %		0.1194637	361.0936	0.0151966	0.826749	23.22126	82.67 ± 4.95	39.68	2.99	0.0010 ± 0.0001
16D07427	20.5 %		0.0712013	284.1469	0.0121107	0.498708	16.08916	94.64 ± 9.03	43.33	1.80	0.0008 ± 0.0001
16D07428	22.5 %		0.0504600	180.3384	0.0000000	0.325835	10.36469	93.35 ± 12.59	41.00	1.18	0.0008 ± 0.0001
16D07430	24.5 %		0.0238675	113.5714	0.0000000	0.157324	5.55378	103.31 ± 28.95	44.05	0.57	0.0006 ± 0.0002
		Σ	3.0401318	9566.8960	0.1159919	27.695729	571.94778				

Information on Analysis

Project = **MV1203 (13-INT-04)**
Sample = **MV1203-D14-05**
Material = **Plagioclase**
Location = **Bottlenose Seamount**
Region = **Walvis Ridge**
Analyst = **Susan Schnur**
Irradiation = **15-OSU-07 (7A22-15)**
J = **0.00166549 ± 0.00000251**
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	19.33261	± 0.24392	**57.31**	**± 0.73**	1.27	65.03	0.0013 ± 0.0001
		± 1.26%		**± 1.28%**	26%	9	
			Full External Error	± 1.48	2.00	2σ Confidence Limit	
			Analytical Error	± 0.71	1.1258	Error Magnification	
Total Fusion Age	20.65112	± 0.20413	**61.15**	**± 0.62**		21	0.0012 ± 0.0000
		± 0.99%		**± 1.02%**			
			Full External Error	± 1.50			
			Analytical Error	± 0.59			

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
16D07402	1.8 %		8.34 ± 1.87	422.86 ± 17.00	0.1580
16D07404	2.0 %		2.10 ± 0.31	334.12 ± 4.14	0.0796
16D07405	2.4 %		10.06 ± 1.45	472.03 ± 16.92	0.2306
16D07406	2.8 %		7.37 ± 0.56	428.88 ± 8.57	0.2510
16D07408	3.2 %		8.69 ± 0.43	473.43 ± 8.82	0.3682
16D07409	3.6 %	✓	13.33 ± 0.86	562.03 ± 16.32	0.4424
16D07410	4.0 %	✓	18.93 ± 1.37	660.06 ± 26.74	0.5490
16D07412	4.5 %	✓	8.77 ± 0.42	462.68 ± 8.85	0.3889
16D07413	5.2 %	✓	17.01 ± 0.71	618.01 ± 17.54	0.6776
16D07414	6.1 %	✓	13.77 ± 0.38	560.79 ± 10.90	0.6942
16D07416	7.3 %	✓	12.98 ± 0.30	545.00 ± 8.98	0.7206
16D07417	8.5 %	✓	10.07 ± 0.19	488.01 ± 6.11	0.6746
16D07418	9.7 %	✓	9.15 ± 0.20	473.86 ± 5.96	0.5758
16D07420	11.0 %	✓	7.82 ± 0.24	453.95 ± 5.89	0.4255
16D07421	12.4 %		7.06 ± 0.19	446.25 ± 5.07	0.4250
16D07422	14.0 %		8.44 ± 0.20	486.70 ± 5.52	0.4751
16D07424	15.8 %		5.98 ± 0.25	439.62 ± 5.92	0.3126
16D07425	18.0 %		6.92 ± 0.40	489.88 ± 8.71	0.3029
16D07427	20.5 %		7.00 ± 0.67	521.47 ± 12.08	0.2354
16D07428	22.5 %		6.46 ± 0.87	500.90 ± 12.77	0.1787
16D07430	24.5 %		6.59 ± 1.88	528.19 ± 21.34	0.1299

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	**304.80 ± 10.55**	18.49572 ± 0.98149	**54.86 ± 2.87**	1.03
	± 3.46%	± 5.31%	**± 5.24%**	41%
			Full External Error ± 3.12	
			Analytical Error ± 2.87	

Statistics				
	2σ Confidence Limit	2.07	Convergence	0.000167342438
	Error Magnification	1.0151	Number of Iterations	9
	Number of Data Points	9	Calculated Line	Weighted York-2

Inverse Isochron			39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
16D07402	1.8 %		0.0197139 ± 0.0043738	0.00236486 ± 0.00009505	0.0212
16D07404	2.0 %		0.0062856 ± 0.0009162	0.00299291 ± 0.00003712	0.0052
16D07405	2.4 %		0.0213133 ± 0.0029972	0.00211849 ± 0.00007593	0.0179
16D07406	2.8 %		0.0171859 ± 0.0012703	0.00233166 ± 0.00004659	0.0110
16D07408	3.2 %		0.0183564 ± 0.0008445	0.00211226 ± 0.00003937	0.0091
16D07409	3.6 %	✓	0.0237127 ± 0.0013662	0.00177926 ± 0.00005166	0.0106
16D07410	4.0 %	✓	0.0286753 ± 0.0017372	0.00151500 ± 0.00006138	0.0120
16D07412	4.5 %	✓	0.0189554 ± 0.0008432	0.00216131 ± 0.00004136	0.0081
16D07413	5.2 %	✓	0.0275302 ± 0.0008404	0.00161808 ± 0.00004593	0.0084
16D07414	6.1 %	✓	0.0245470 ± 0.0004917	0.00178319 ± 0.00003467	0.0062
16D07416	7.3 %	✓	0.0238164 ± 0.0003758	0.00183486 ± 0.00003023	0.0048
16D07417	8.5 %	✓	0.0206311 ± 0.0002814	0.00204914 ± 0.00002565	0.0038
16D07418	9.7 %	✓	0.0193173 ± 0.0003428	0.00211034 ± 0.00002656	0.0050
16D07420	11.0 %	✓	0.0172189 ± 0.0004689	0.00220288 ± 0.00002857	0.0062
16D07421	12.4 %		0.0158152 ± 0.0003784	0.00224091 ± 0.00002546	0.0054
16D07422	14.0 %		0.0173315 ± 0.0003610	0.00205467 ± 0.00002332	0.0050
16D07424	15.8 %		0.0136096 ± 0.0005474	0.00227469 ± 0.00003063	0.0058
16D07425	18.0 %		0.0141270 ± 0.0007746	0.00204132 ± 0.00003631	0.0066
16D07427	20.5 %		0.0134317 ± 0.0012484	0.00191767 ± 0.00004444	0.0071
16D07428	22.5 %		0.0128913 ± 0.0017159	0.00199639 ± 0.00005088	0.0099
16D07430	24.5 %		0.0124795 ± 0.0035333	0.00189325 ± 0.00007649	0.0117

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	**304.91 ± 10.54**	18.49036 ± 0.98078	**54.85 ± 2.87**	1.04
	± 3.46%	± 5.30%	**± 5.23%**	40%
			Full External Error ± 3.12	
			Analytical Error ± 2.87	

Statistics				
	2σ Confidence Limit	2.07	Convergence	0.0000251389
	Error Magnification	1.0178	Number of Iterations	3
	Number of Data Points	9	Calculated Line	Weighted York-2
	Spreading Factor	21.2%		

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
16D07402	1.8 %		0.0251347	1.89	0.0000000	0.00	0.0181629	0.34	0.0000021	124.78	68.2046	0.31	0.0046977	1.89	0.0000000	0.00	0.0025208	11.07	0.0048971	12.82	0.0191272	124.78	0.209528	11.07	0.0460790	1.36	3.20113	4.94	7.42730	1.89	0.0000000	0.00	0.0008010	11.39
16D07404	2.0 %		0.1431272	0.60	0.0000000	0.00	0.0311008	0.33	0.0000032	83.40	116.7887	0.29	0.0267505	0.60	0.0000000	0.00	0.0036164	7.29	0.0083854	12.82	0.0293570	83.40	0.300589	7.29	0.0789024	1.35	5.52800	4.78	42.29409	0.60	0.0000000	0.00	0.0011492	7.76
16D07405	2.4 %		0.0325050	1.73	0.0000000	0.00	0.0337446	0.32	0.0000016	180.33	126.7164	0.29	0.0060752	1.73	0.0000000	0.00	0.0039344	7.02	0.0090982	12.82	0.0145151	180.33	0.327020	7.02	0.0856096	1.35	5.73824	3.16	9.60521	1.73	0.0000000	0.00	0.0012502	7.50
16D07406	2.8 %		0.0838949	0.98	0.0000000	0.00	0.0611819	0.32	0.0000028	94.18	229.7482	0.28	0.0156799	0.98	0.0000000	0.00	0.0074395	3.69	0.0164959	12.82	0.0256853	94.18	0.618360	3.69	0.1552179	1.35	11.18975	2.26	24.79093	0.98	0.0000000	0.00	0.0023640	4.55
16D07408	3.2 %		0.1114124	0.92	0.0000000	0.00	0.1100459	0.32	0.0000000	0.00	413.2402	0.28	0.0208230	0.92	0.0000000	0.00	0.0116486	2.30	0.0296706	12.82	0.0000000	0.00	0.968218	2.30	0.2791851	1.35	19.82318	1.57	32.92236	0.92	0.0000000	0.00	0.0037015	3.51
16D07409	3.6 %	✓	0.0618651	1.44	0.0000000	0.00	0.1039177	0.32	0.0000000	0.00	390.2279	0.28	0.0115626	1.44	0.0000000	0.00	0.0099195	2.88	0.0280184	12.82	0.0000000	0.00	0.824495	2.87	0.2636380	1.35	16.48896	1.65	18.28114	1.44	0.0000000	0.00	0.0031520	3.92
16D07410	4.0 %	✓	0.0406404	2.01	0.0000000	0.00	0.0964407	0.32	0.0000000	0.00	362.1507	0.28	0.0075957	2.01	0.0000000	0.00	0.0092545	3.02	0.0260024	12.82	0.0000000	0.00	0.769223	3.02	0.2446690	1.35	14.81606	1.70	12.00924	2.01	0.0000000	0.00	0.0029407	4.02
16D07412	4.5 %	✓	0.1224257	0.95	0.0000000	0.00	0.1266380	0.32	0.0000000	0.00	475.5465	0.28	0.0228814	0.95	0.0000000	0.00	0.0129179	2.23	0.0341442	12.82	0.0000000	0.00	1.073716	2.22	0.3212792	1.35	20.46753	1.71	36.17680	0.95	0.0000000	0.00	0.0041048	3.46
16D07413	5.2 %	✓	0.0885035	1.41	0.0000000	0.00	0.1687762	0.32	0.0000000	0.00	633.7820	0.28	0.0165413	1.41	0.0000000	0.00	0.0181163	1.53	0.0455055	12.82	0.0000000	0.00	1.505805	1.52	0.4281831	1.35	28.54368	1.32	26.15278	1.41	0.0000000	0.00	0.0057567	3.06
16D07414	6.1 %	✓	0.1700661	0.97	0.0000000	0.00	0.2352552	0.31	0.0000000	0.00	883.4218	0.28	0.0317853	0.97	0.0000000	0.00	0.0281657	1.01	0.0634297	12.82	0.0000000	0.00	2.341096	1.00	0.5968397	1.35	45.11750	1.09	50.25452	0.97	0.0000000	0.00	0.0089500	2.84
16D07416	7.3 %	✓	0.2431851	0.82	0.0000000	0.00	0.2785697	0.31	0.0000000	0.00	1046.0748	0.28	0.0454513	0.82	0.0000000	0.00	0.0379763	0.80	0.0751082	12.82	0.0000000	0.00	3.156537	0.79	0.7067282	1.35	60.67519	0.98	71.86121	0.82	0.0000000	0.00	0.0120674	2.77
16D07417	8.5 %	✓	0.3832613	0.62	0.0000000	0.00	0.2869552	0.31	0.0000000	0.00	1077.5636	0.28	0.0716315	0.62	0.0000000	0.00	0.0464245	0.70	0.0773691	12.82	0.0000000	0.00	3.858741	0.68	0.7280019	1.35	73.78176	0.96	113.25370	0.62	0.0000000	0.00	0.0147520	2.75
16D07418	9.7 %	✓	0.3003142	0.63	0.0000000	0.00	0.2104198	0.31	0.0000000	0.00	790.1608	0.28	0.0561287	0.63	0.0000000	0.00	0.0330728	0.90	0.0567335	12.82	0.0000000	0.00	2.748969	0.89	0.5338326	1.35	53.56325	1.05	88.74285	0.63	0.0000000	0.00	0.0105093	2.80
16D07420	11.0 %	✓	0.2215708	0.64	0.0000000	0.00	0.1402755	0.32	0.0000000	0.00	526.7574	0.28	0.0414116	0.64	0.0000000	0.00	0.0208367	1.37	0.0378212	12.82	0.0000000	0.00	1.731918	1.36	0.3558773	1.35	35.10815	1.22	65.47418	0.64	0.0000000	0.00	0.0066211	2.99
16D07421	12.4 %		0.2764498	0.56	0.0000000	0.00	0.1409445	0.32	0.0000000	0.00	529.2695	0.28	0.0516685	0.56	0.0000000	0.00	0.0234730	1.21	0.0380016	12.82	0.0000000	0.00	1.951041	1.19	0.3575745	1.35	41.67384	1.12	81.69091	0.56	0.0000000	0.00	0.0074588	2.92
16D07422	14.0 %		0.2794020	0.56	0.0000000	0.00	0.1514112	0.32	0.0000000	0.00	568.5736	0.28	0.0522202	0.56	0.0000000	0.00	0.0283548	1.05	0.0408236	12.82	0.0000000	0.00	2.356812	1.04	0.3841283	1.35	53.42075	0.88	82.56330	0.56	0.0000000	0.00	0.0090101	2.86
16D07424	15.8 %		0.1913811	0.67	0.0000000	0.00	0.1037289	0.32	0.0000000	0.00	389.5188	0.28	0.0357691	0.67	0.0000000	0.00	0.0137760	2.02	0.0279675	12.82	0.0000000	0.00	1.145045	2.01	0.2631589	1.35	27.58193	1.39	56.55310	0.67	0.0000000	0.00	0.0043775	3.33
16D07425	18.0 %		0.1194637	0.88	0.0000000	0.00	0.0961592	0.32	0.0000016	157.11	361.0936	0.28	0.0223278	0.88	0.0000000	0.00	0.0099466	2.74	0.0259265	12.82	0.0151966	157.11	0.826749	2.74	0.2439549	1.35	23.22126	1.38	35.30153	0.88	0.0000000	0.00	0.0031607	3.82
16D07427	20.5 %		0.0712013	1.14	0.0000000	0.00	0.0756683	0.32	0.0000013	205.60	284.1469	0.28	0.0133075	1.14	0.0000000	0.00	0.0060000	4.65	0.0204017	12.82	0.0121107	205.61	0.498708	4.64	0.1919697	1.35	16.08916	1.56	21.03999	1.14	0.0000000	0.00	0.0019066	5.35
16D07428	22.5 %		0.0504600	1.24	0.0000000	0.00	0.0480241	0.32	0.0000000	0.00	180.3384	0.28	0.0094310	1.24	0.0000000	0.00	0.0039201	6.65	0.0129483	12.82	0.0000000	0.00	0.325835	6.65	0.1218366	1.35	10.36469	1.92	14.91094	1.24	0.0000000	0.00	0.0012457	7.16
16D07430	24.5 %		0.0238675	1.94	0.0000000	0.00	0.0302441	0.33	0.0000000	0.00	113.5714	0.29	0.0044608	1.94	0.0000000	0.00	0.0018928	14.15	0.0081544	12.82	0.0000000	0.00	0.157324	14.14	0.0767289	1.35	5.55378	2.79	7.05284	1.94	0.0000000	0.00	0.0006015	14.39
		Σ	3.0401318	0.19	0.0000000	0.00	2.5476644	0.08	0.0000125	51.95	9566.8960	0.07	0.5682006	0.19	0.0000000	0.00	0.3332073	0.39	0.6869031	3.32	0.1159919	51.94	27.695729	0.39	6.4633950	0.35	571.94778	0.31	898.35895	0.19	0.0000000	0.00	0.1058808	0.83
		Σ							5.5878087	0.11	9566.8960	0.07									1.7043030	3.78			34.159124	0.32							1470.4126	0.17

Additional Parameters			40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
16D07402	1.8 %		41.584293	3.783584	266.834188	24.222735	0.169399	0.015479	66.077	3.697373	1.00046723	5.102E-13
16D07404	2.0 %		126.019158	7.267119	307.750258	17.763144	0.459117	0.026562	66.089	3.698235	1.00046731	2.296E-12
16D07405	2.4 %		37.187596	2.072464	307.094833	17.075015	0.160558	0.009015	66.094	3.698641	1.00046735	7.365E-13
16D07406	2.8 %		46.515111	1.369501	296.994374	8.763388	0.187544	0.005604	66.101	3.699098	1.00046740	1.727E-12
16D07408	3.2 %		42.287234	0.745103	331.280321	5.891012	0.177535	0.003213	66.112	3.699960	1.00046748	2.532E-12
16D07409	3.6 %	✓	31.956818	0.691087	358.621683	7.782629	0.152355	0.003366	66.118	3.700366	1.00046752	1.669E-12
16D07410	4.0 %	✓	26.460649	0.603793	357.188637	8.153198	0.135203	0.003153	66.124	3.700823	1.00046756	1.288E-12
16D07412	4.5 %	✓	40.608326	0.684494	340.894655	5.806189	0.178541	0.003100	66.136	3.701686	1.00046765	2.719E-12
16D07413	5.2 %	✓	28.284678	0.326235	327.707364	3.862117	0.133031	0.001632	66.142	3.702092	1.00046769	2.626E-12
16D07414	6.1 %	✓	32.465296	0.243856	300.694678	2.395695	0.137961	0.001146	66.148	3.702549	1.00046773	4.578E-12
16D07416	7.3 %	✓	34.309960	0.204639	270.774817	1.773853	0.135055	0.000927	66.160	3.703413	1.00046781	6.362E-12
16D07417	8.5 %	✓	40.780619	0.217237	234.930005	1.407000	0.146120	0.000914	66.165	3.703819	1.00046785	8.978E-12
16D07418	9.7 %	✓	43.352183	0.307973	240.697090	1.830781	0.155579	0.001226	66.171	3.704226	1.00046789	6.831E-12
16D07420	11.0 %	✓	48.179509	0.533110	252.303208	2.872011	0.173315	0.002021	66.183	3.705090	1.00046798	4.828E-12
16D07421	12.4 %		53.439919	0.528904	229.258444	2.352290	0.180799	0.001900	66.189	3.705547	1.00046802	5.922E-12
16D07422	14.0 %		49.615483	0.434505	207.437448	1.902103	0.157177	0.001479	66.194	3.705954	1.00046806	6.528E-12
16D07424	15.8 %		59.749458	0.965857	276.606883	4.530342	0.209565	0.003494	66.206	3.706818	1.00046814	4.039E-12
16D07425	18.0 %		54.661186	1.145683	337.248793	7.117972	0.201386	0.004317	66.212	3.707276	1.00046819	2.809E-12
16D07427	20.5 %		53.760315	1.794083	411.402883	13.753561	0.212648	0.007173	66.224	3.708140	1.00046827	1.782E-12
16D07428	22.5 %		56.462925	2.729517	402.836027	19.472257	0.219992	0.010702	66.230	3.708547	1.00046831	1.213E-12
16D07430	24.5 %		53.864776	5.125213	485.237653	46.105948	0.231193	0.022042	66.242	3.709412	1.00046839	6.051E-13

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
16D07402	1.8 %	0.0028108 ± 0.0002200	0.0571337 ± 0.0184140	0.0095476 ± 0.0170509	0.0144019 ± 0.0161833	0.7751023 ± 0.0706629
16D07404	2.0 %	0.0028690 ± 0.0002200	0.0408557 ± 0.0184140	0.0145806 ± 0.0170509	0.0149807 ± 0.0161833	0.7695448 ± 0.0706629
16D07405	2.4 %	0.0028686 ± 0.0002200	0.0336406 ± 0.0184140	0.0178224 ± 0.0170509	0.0135301 ± 0.0161833	0.7672960 ± 0.0706629
16D07406	2.8 %	0.0028543 ± 0.0002200	0.0260116 ± 0.0184140	0.0217559 ± 0.0170509	0.0111136 ± 0.0161833	0.7650126 ± 0.0706629
16D07408	3.2 %	0.0028060 ± 0.0002200	0.0133508 ± 0.0184140	0.0290985 ± 0.0170509	0.0055714 ± 0.0161833	0.7613279 ± 0.0706629
16D07409	3.6 %	0.0027807 ± 0.0002200	0.0083057 ± 0.0184140	0.0321697 ± 0.0170509	0.0030100 ± 0.0161833	0.7598461 ± 0.0706629
16D07410	4.0 %	0.0027548 ± 0.0002200	0.0033958 ± 0.0184140	0.0351218 ± 0.0170509	0.0004645 ± 0.0161833	0.7583516 ± 0.0706629
16D07412	4.5 %	0.0027230 ± 0.0002200	0.0035572 ± 0.0184140	0.0388275 ± 0.0170509	0.0027571 ± 0.0161833	0.7559833 ± 0.0706629
16D07413	5.2 %	0.0027189 ± 0.0002200	0.0057622 ± 0.0184140	0.0396056 ± 0.0170509	0.0033708 ± 0.0161833	0.7550601 ± 0.0706629
16D07414	6.1 %	0.0027243 ± 0.0002200	0.0074388 ± 0.0184140	0.0397055 ± 0.0170509	0.0033037 ± 0.0161833	0.7541610 ± 0.0706629
16D07416	7.3 %	0.0027640 ± 0.0002200	0.0084060 ± 0.0184140	0.0377341 ± 0.0170509	0.0010464 ± 0.0161833	0.7528615 ± 0.0706629
16D07417	8.5 %	0.0027954 ± 0.0002200	0.0079535 ± 0.0184140	0.0359350 ± 0.0170509	0.0008597 ± 0.0161833	0.7524337 ± 0.0706629
16D07418	9.7 %	0.0028337 ± 0.0002200	0.0069945 ± 0.0184140	0.0336872 ± 0.0170509	0.0031727 ± 0.0161833	0.7521291 ± 0.0706629
16D07420	11.0 %	0.0029313 ± 0.0002200	0.0036023 ± 0.0184140	0.0279539 ± 0.0170509	0.0087654 ± 0.0161833	0.7519224 ± 0.0706629
16D07421	12.4 %	0.0029865 ± 0.0002200	0.0012836 ± 0.0184140	0.0247755 ± 0.0170509	0.0116074 ± 0.0161833	0.7520801 ± 0.0706629
16D07422	14.0 %	0.0030337 ± 0.0002200	0.0009295 ± 0.0184140	0.0221374 ± 0.0170509	0.0137146 ± 0.0161833	0.7523935 ± 0.0706629
16D07424	15.8 %	0.0031127 ± 0.0002200	0.0055508 ± 0.0184140	0.0181405 ± 0.0170509	0.0155467 ± 0.0161833	0.7536713 ± 0.0706629
16D07425	18.0 %	0.0031328 ± 0.0002200	0.0076071 ± 0.0184140	0.0175577 ± 0.0170509	0.0142115 ± 0.0161833	0.7547299 ± 0.0706629
16D07427	20.5 %	0.0031022 ± 0.0002200	0.0098190 ± 0.0184140	0.0211353 ± 0.0170509	0.0049890 ± 0.0161833	0.7575783 ± 0.0706629
16D07428	22.5 %	0.0030453 ± 0.0002200	0.0097297 ± 0.0184140	0.0256581 ± 0.0170509	0.0033366 ± 0.0161833	0.7593549 ± 0.0706629
16D07430	24.5 %	0.0028001 ± 0.0002200	0.0060545 ± 0.0184140	0.0434196 ± 0.0170509	0.0323011 ± 0.0161833	0.7642112 ± 0.0706629

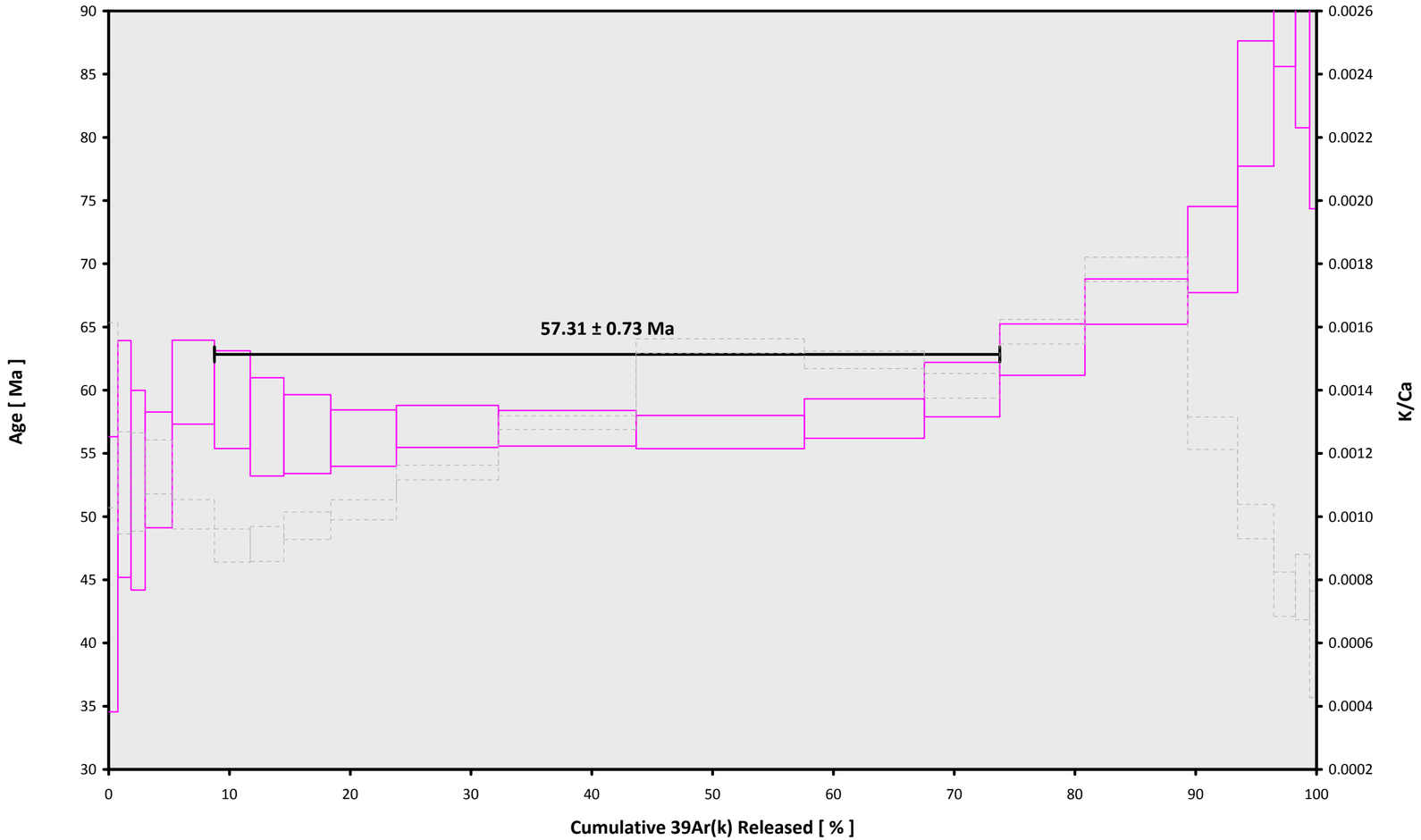
Intercept Values		36Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	37Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	38Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	39Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	40Ar ± 1σ (SE) [fA]	r2	Regression (type,n)
16D07402	1.8 %	0.0437986 ± 0.0003707	0.6426	EXP 150 of 150	17.970315 ± 0.016029	0.9787	EXP 150 of 150	0.0403163 ± 0.0161612	0.0000	EXP 150 of 150	0.2391505 ± 0.0163477	0.0925	EXP 150 of 150	11.404329 ± 0.018460	0.9997	EXP 150 of 150
16D07404	2.0 %	0.1677978 ± 0.0006338	0.4273	EXP 150 of 150	30.820854 ± 0.020378	0.9877	EXP 150 of 150	0.0816564 ± 0.0170100	0.0029	EXP 150 of 150	0.3614610 ± 0.0144551	0.2071	EXP 149 of 150	48.592781 ± 0.019965	0.9993	EXP 150 of 150
16D07405	2.4 %	0.0655825 ± 0.0004406	0.1888	EXP 150 of 150	33.447821 ± 0.020403	0.9896	EXP 150 of 150	0.0509351 ± 0.0192948	0.0001	EXP 150 of 150	0.3957831 ± 0.0159558	0.0553	EXP 150 of 150	16.111999 ± 0.017988	0.9996	EXP 150 of 150
16D07406	2.8 %	0.1401879 ± 0.0006170	0.1809	EXP 150 of 150	60.671371 ± 0.023216	0.9959	EXP 150 of 150	0.0860656 ± 0.0165012	0.0092	EXP 150 of 150	0.7562464 ± 0.0156807	0.0090	EXP 150 of 150	36.748057 ± 0.015777	0.9996	EXP 150 of 150
16D07408	3.2 %	0.2124403 ± 0.0006780	0.4888	EXP 150 of 150	109.135496 ± 0.024206	0.9986	EXP 150 of 150	0.0800355 ± 0.0172215	0.0000	EXP 150 of 150	1.2318059 ± 0.0144837	0.0230	EXP 150 of 150	53.510563 ± 0.021337	0.9989	EXP 150 of 150
16D07409	3.6 %	0.1597122 ± 0.0006154	0.3284	EXP 150 of 150	103.051023 ± 0.025122	0.9984	EXP 150 of 150	0.0624429 ± 0.0172969	0.0033	EXP 150 of 150	1.0763766 ± 0.0166517	0.0024	EXP 150 of 150	35.533099 ± 0.019337	0.9992	EXP 150 of 150
16D07410	4.0 %	0.1325170 ± 0.0005824	0.1339	EXP 150 of 150	95.628918 ± 0.022473	0.9985	EXP 150 of 150	0.0546419 ± 0.0160949	0.0040	EXP 150 of 150	1.0052782 ± 0.0160270	0.0026	EXP 150 of 150	27.586591 ± 0.017960	0.9993	EXP 150 of 150
16D07412	4.5 %	0.2384889 ± 0.0007747	0.6395	EXP 150 of 150	125.550780 ± 0.023358	0.9990	EXP 150 of 150	0.0745161 ± 0.0184360	0.0030	EXP 150 of 150	1.3865401 ± 0.0166737	0.0187	EXP 150 of 150	57.404418 ± 0.023006	0.9981	EXP 150 of 150
16D07413	5.2 %	0.2462621 ± 0.0008100	0.6150	EXP 150 of 150	167.309772 ± 0.029162	0.9992	EXP 150 of 150	0.1152491 ± 0.0171155	0.0350	EXP 150 of 150	1.9218137 ± 0.0148116	0.0794	EXP 150 of 150	55.457281 ± 0.021289	0.9985	EXP 150 of 150
16D07414	6.1 %	0.3864049 ± 0.0008915	0.8448	EXP 150 of 150	233.181861 ± 0.030115	0.9995	EXP 150 of 150	0.1228902 ± 0.0170680	0.0020	EXP 150 of 150	2.9176254 ± 0.0144354	0.3593	EXP 150 of 150	96.135128 ± 0.022308	0.9963	EXP 150 of 150
16D07416	7.3 %	0.4966617 ± 0.0010108	0.8892	EXP 150 of 150	276.049857 ± 0.030943	0.9997	EXP 150 of 150	0.1455802 ± 0.0165175	0.0001	EXP 150 of 150	3.8332589 ± 0.0157921	0.5021	EXP 149 of 150	133.301326 ± 0.022910	0.9829	EXP 150 of 150
16D07417	8.5 %	0.6372282 ± 0.0011616	0.9178	EXP 150 of 150	284.327547 ± 0.028793	0.9997	EXP 150 of 150	0.1979503 ± 0.0181515	0.0047	EXP 150 of 150	4.5490156 ± 0.0176909	0.5982	EXP 150 of 150	187.802653 ± 0.026025	0.8890	EXP 150 of 150
16D07418	9.7 %	0.4862991 ± 0.0009954	0.8941	EXP 150 of 150	208.471303 ± 0.028421	0.9995	EXP 150 of 150	0.1348571 ± 0.0179603	0.0001	EXP 150 of 150	3.2532420 ± 0.0162967	0.3967	EXP 150 of 150	143.068746 ± 0.025715	0.9360	EXP 150 of 150
16D07420	11.0 %	0.3454582 ± 0.0008521	0.8433	EXP 149 of 150	138.943071 ± 0.022313	0.9993	EXP 150 of 150	0.1065352 ± 0.0176883	0.0012	EXP 150 of 150	2.0622481 ± 0.0160935	0.0459	EXP 150 of 150	101.340871 ± 0.022612	0.9895	EXP 150 of 150
16D07421	12.4 %	0.3980956 ± 0.0008914	0.8619	EXP 149 of 150	139.586125 ± 0.024966	0.9991	EXP 150 of 150	0.1209394 ± 0.0173950	0.0000	EXP 150 of 150	2.2784511 ± 0.0157334	0.1546	EXP 150 of 150	124.124294 ± 0.024971	0.9534	EXP 150 of 150
16D07422	14.0 %	0.4108452 ± 0.0008590	0.8783	EXP 150 of 150	149.933165 ± 0.024555	0.9992	EXP 150 of 150	0.1338722 ± 0.0165551	0.0008	EXP 150 of 150	2.7051936 ± 0.0173080	0.2350	EXP 149 of 150	136.745461 ± 0.022337	0.9122	EXP 150 of 150
16D07424	15.8 %	0.2824663 ± 0.0008574	0.7391	EXP 150 of 150	102.687460 ± 0.021316	0.9988	EXP 150 of 150	0.0922068 ± 0.0167562	0.0002	EXP 150 of 150	1.3813376 ± 0.0156716	0.0201	EXP 150 of 150	84.893079 ± 0.023375	0.9919	EXP 150 of 150
16D07425	18.0 %	0.2072450 ± 0.0007407	0.5389	EXP 150 of 150	95.179615 ± 0.026192	0.9979	EXP 150 of 150	0.0898414 ± 0.0158506	0.0047	EXP 150 of 150	1.0478860 ± 0.0152103	0.0213	EXP 150 of 150	59.280683 ± 0.022373	0.9964	EXP 150 of 150
16D07427	20.5 %	0.1421315 ± 0.0005900	0.3098	EXP 150 of 150	74.876153 ± 0.021468	0.9976	EXP 150 of 150	0.0721690 ± 0.0174308	0.0024	EXP 150 of 150	0.6801371 ± 0.0160887	0.0716	EXP 150 of 150	37.888644 ± 0.017616	0.9984	EXP 150 of 150
16D07428	22.5 %	0.0962712 ± 0.0004658	0.0712	EXP 150 of 150	47.512639 ± 0.021529	0.9942	EXP 150 of 150	0.0494623 ± 0.0164467	0.0047	EXP 150 of 150	0.4474100 ± 0.0140430	0.1111	EXP 150 of 150	26.036224 ± 0.018851	0.9984	EXP 150 of 150
16D07430	24.5 %	0.0540226 ± 0.0003383	0.2912	EXP 149 of 150	29.915060 ± 0.018639	0.9887	EXP 150 of 150	0.0286610 ± 0.0161132	0.0066	EXP 150 of 150	0.2644730 ± 0.0149760	0.1564	EXP 150 of 150	13.371437 ± 0.018571	0.9987	EXP 150 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
16D07402	1.8 %	Susan Schnur	15-OSU-07	0.00	0.00	38.84	Walvis Ridge\MV1203 (13-INT-04)	16D07401	01
16D07404	2.0 %	Susan Schnur	15-OSU-07	0.00	0.00	38.84	Walvis Ridge\MV1203 (13-INT-04)	16D07401	01
16D07405	2.4 %	Susan Schnur	15-OSU-07	0.00	0.00	38.84	Walvis Ridge\MV1203 (13-INT-04)	16D07401	01
16D07406	2.8 %	Susan Schnur	15-OSU-07	0.00	0.00	38.84	Walvis Ridge\MV1203 (13-INT-04)	16D07401	01
16D07408	3.2 %	Susan Schnur	15-OSU-07	0.00	0.00	38.84	Walvis Ridge\MV1203 (13-INT-04)	16D07401	01
16D07409	3.6 %	Susan Schnur	15-OSU-07	0.00	0.00	38.84	Walvis Ridge\MV1203 (13-INT-04)	16D07401	01
16D07410	4.0 %	Susan Schnur	15-OSU-07	0.00	0.00	38.84	Walvis Ridge\MV1203 (13-INT-04)	16D07401	01
16D07412	4.5 %	Susan Schnur	15-OSU-07	0.00	0.00	38.84	Walvis Ridge\MV1203 (13-INT-04)	16D07401	01
16D07413	5.2 %	Susan Schnur	15-OSU-07	0.00	0.00	38.84	Walvis Ridge\MV1203 (13-INT-04)	16D07401	01
16D07414	6.1 %	Susan Schnur	15-OSU-07	0.00	0.00	38.84	Walvis Ridge\MV1203 (13-INT-04)	16D07401	01
16D07416	7.3 %	Susan Schnur	15-OSU-07	0.00	0.00	38.84	Walvis Ridge\MV1203 (13-INT-04)	16D07401	01
16D07417	8.5 %	Susan Schnur	15-OSU-07	0.00	0.00	38.84	Walvis Ridge\MV1203 (13-INT-04)	16D07401	01
16D07418	9.7 %	Susan Schnur	15-OSU-07	0.00	0.00	38.84	Walvis Ridge\MV1203 (13-INT-04)	16D07401	01
16D07420	11.0 %	Susan Schnur	15-OSU-07	0.00	0.00	38.84	Walvis Ridge\MV1203 (13-INT-04)	16D07401	01
16D07421	12.4 %	Susan Schnur	15-OSU-07	0.00	0.00	38.84	Walvis Ridge\MV1203 (13-INT-04)	16D07401	01
16D07422	14.0 %	Susan Schnur	15-OSU-07	0.00	0.00	38.84	Walvis Ridge\MV1203 (13-INT-04)	16D07401	01
16D07424	15.8 %	Susan Schnur	15-OSU-07	0.00	0.00	38.84	Walvis Ridge\MV1203 (13-INT-04)	16D07401	01
16D07425	18.0 %	Susan Schnur	15-OSU-07	0.00	0.00	38.84	Walvis Ridge\MV1203 (13-INT-04)	16D07401	01
16D07427	20.5 %	Susan Schnur	15-OSU-07	0.00	0.00	38.84	Walvis Ridge\MV1203 (13-INT-04)	16D07401	01
16D07428	22.5 %	Susan Schnur	15-OSU-07	0.00	0.00	38.84	Walvis Ridge\MV1203 (13-INT-04)	16D07401	01
16D07430	24.5 %	Susan Schnur	15-OSU-07	0.00	0.00	38.84	Walvis Ridge\MV1203 (13-INT-04)	16D07401	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
16D07402	1.8 %	MV1203-D14-05	Plagioclase	Bottlenose Seamount	FCT-NM (7A22-15)	28.201	0.082	Kuiper et al (2008)	9.43709	0.151	0.00166549	0.151	304.738	0.136	0.9924116	0.067	1	4.8E-14	22	FEB	2016	16	20	1
16D07404	2.0 %	MV1203-D14-05	Plagioclase	Bottlenose Seamount	FCT-NM (7A22-15)	28.201	0.082	Kuiper et al (2008)	9.43709	0.151	0.00166549	0.151	304.738	0.136	0.9924116	0.067	1	4.8E-14	22	FEB	2016	16	37	1
16D07405	2.4 %	MV1203-D14-05	Plagioclase	Bottlenose Seamount	FCT-NM (7A22-15)	28.201	0.082	Kuiper et al (2008)	9.43709	0.151	0.00166549	0.151	304.738	0.136	0.9924116	0.067	1	4.8E-14	22	FEB	2016	16	45	1
16D07406	2.8 %	MV1203-D14-05	Plagioclase	Bottlenose Seamount	FCT-NM (7A22-15)	28.201	0.082	Kuiper et al (2008)	9.43709	0.151	0.00166549	0.151	304.738	0.136	0.9924116	0.067	1	4.8E-14	22	FEB	2016	16	54	1
16D07408	3.2 %	MV1203-D14-05	Plagioclase	Bottlenose Seamount	FCT-NM (7A22-15)	28.201	0.082	Kuiper et al (2008)	9.43709	0.151	0.00166549	0.151	304.738	0.136	0.9924116	0.067	1	4.8E-14	22	FEB	2016	17	11	1
16D07409	3.6 %	MV1203-D14-05	Plagioclase	Bottlenose Seamount	FCT-NM (7A22-15)	28.201	0.082	Kuiper et al (2008)	9.43709	0.151	0.00166549	0.151	304.738	0.136	0.9924116	0.067	1	4.8E-14	22	FEB	2016	17	19	1
16D07410	4.0 %	MV1203-D14-05	Plagioclase	Bottlenose Seamount	FCT-NM (7A22-15)	28.201	0.082	Kuiper et al (2008)	9.43709	0.151	0.00166549	0.151	304.738	0.136	0.9924116	0.067	1	4.8E-14	22	FEB	2016	17	28	1
16D07412	4.5 %	MV1203-D14-05	Plagioclase	Bottlenose Seamount	FCT-NM (7A22-15)	28.201	0.082	Kuiper et al (2008)	9.43709	0.151	0.00166549	0.151	304.738	0.136	0.9924116	0.067	1	4.8E-14	22	FEB	2016	17	45	1
16D07413	5.2 %	MV1203-D14-05	Plagioclase	Bottlenose Seamount	FCT-NM (7A22-15)	28.201	0.082	Kuiper et al (2008)	9.43709	0.151	0.00166549	0.151	304.738	0.136	0.9924116	0.067	1	4.8E-14	22	FEB	2016	17	53	1
16D07414	6.1 %	MV1203-D14-05	Plagioclase	Bottlenose Seamount	FCT-NM (7A22-15)	28.201	0.082	Kuiper et al (2008)	9.43709	0.151	0.00166549	0.151	304.738	0.136	0.9924116	0.067	1	4.8E-14	22	FEB	2016	18	2	1
16D07416	7.3 %	MV1203-D14-05	Plagioclase	Bottlenose Seamount	FCT-NM (7A22-15)	28.201	0.082	Kuiper et al (2008)	9.43709	0.151	0.00166549	0.151	304.738	0.136	0.9924116	0.067	1	4.8E-14	22	FEB	2016	18	19	1
16D07417	8.5 %	MV1203-D14-05	Plagioclase	Bottlenose Seamount	FCT-NM (7A22-15)	28.201	0.082	Kuiper et al (2008)	9.43709	0.151	0.00166549	0.151	304.738	0.136	0.9924116	0.067	1	4.8E-14	22	FEB	2016	18	27	1
16D07418	9.7 %	MV1203-D14-05	Plagioclase	Bottlenose Seamount	FCT-NM (7A22-15)	28.201	0.082	Kuiper et al (2008)	9.43709	0.151	0.00166549	0.151	304.738	0.136	0.9924116	0.067	1	4.8E-14	22	FEB	2016	18	35	1
16D07420	11.0 %	MV1203-D14-05	Plagioclase	Bottlenose Seamount	FCT-NM (7A22-15)	28.201	0.082	Kuiper et al (2008)	9.43709	0.151	0.00166549	0.151	304.738	0.136	0.9924116	0.067	1	4.8E-14	22	FEB	2016	18	52	1
16D07421	12.4 %	MV1203-D14-05	Plagioclase	Bottlenose Seamount	FCT-NM (7A22-15)	28.201	0.082	Kuiper et al (2008)	9.43709	0.151	0.00166549	0.151	304.738	0.136	0.9924116	0.067	1	4.8E-14	22	FEB	2016	19	1	1
16D07422	14.0 %	MV1203-D14-05	Plagioclase	Bottlenose Seamount	FCT-NM (7A22-15)	28.201	0.082	Kuiper et al (2008)	9.43709	0.151	0.00166549	0.151	304.738	0.136	0.9924116	0.067	1	4.8E-14	22	FEB	2016	19	9	1
16D07424	15.8 %	MV1203-D14-05	Plagioclase	Bottlenose Seamount	FCT-NM (7A22-15)	28.201	0.082	Kuiper et al (2008)	9.43709	0.151	0.00166549	0.151	304.738	0.136	0.9924116	0.067	1	4.8E-14	22	FEB	2016	19	26	1
16D07425	18.0 %	MV1203-D14-05	Plagioclase	Bottlenose Seamount	FCT-NM (7A22-15)	28.201	0.082	Kuiper et al (2008)	9.43709	0.151	0.00166549	0.151	304.738	0.136	0.9924116	0.067	1	4.8E-14	22	FEB	2016	19	35	1
16D07427	20.5 %	MV1203-D14-05	Plagioclase	Bottlenose Seamount	FCT-NM (7A22-15)	28.201	0.082	Kuiper et al (2008)	9.43709	0.151	0.00166549	0.151	304.738	0.136	0.9924116	0.067	1	4.8E-14	22	FEB	2016	19	52	1
16D07428	22.5 %	MV1203-D14-05	Plagioclase	Bottlenose Seamount	FCT-NM (7A22-15)	28.201	0.082	Kuiper et al (2008)	9.43709	0.151	0.00166549	0.151	304.738	0.136	0.9924116	0.067	1	4.8E-14	22	FEB	2016	20	0	1
16D07430	24.5 %	MV1203-D14-05	Plagioclase	Bottlenose Seamount	FCT-NM (7A22-15)	28.201	0.082	Kuiper et al (2008)	9.43709	0.151	0.00166549	0.151	304.738	0.136	0.9924116	0.067	1	4.8E-14	22	FEB	2016	20	17	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
16D07402	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
16D07404	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
16D07405	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
16D07406	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
16D07408	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
16D07409	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
16D07410	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
16D07412	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
16D07413	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
16D07414	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
16D07416	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
16D07417	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
16D07418	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
16D07420	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
16D07421	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
16D07422	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
16D07424	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
16D07425	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
16D07427	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
16D07428	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
16D07430	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

16D07401.AGE >>> MV1203-D14-05 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
57.31 ± 0.73
TOTAL FUSION
61.15 ± 0.62
NORMAL ISOCHRON
54.86 ± 2.87
INVERSE ISOCHRON
54.85 ± 2.87

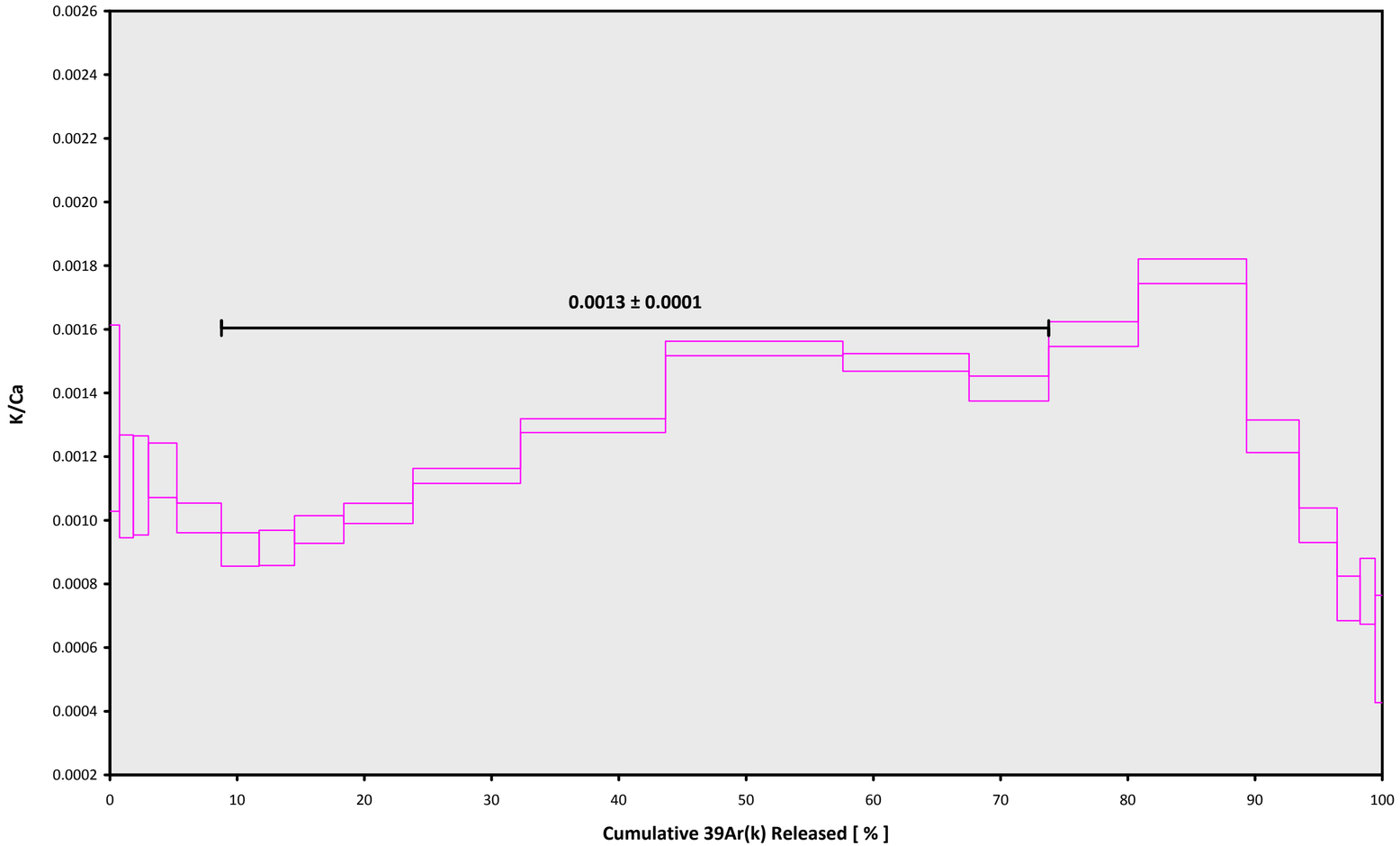
MSWD (PROBABILITY)
1.27 (26%)

Sample Info

Plagioclase
Bottlenose Seamount
Susan Schnur

IRR = 15-OSU-07 (7A22-15)
J = 0.00166549 ± 0.00000251

16D07401.AGE >>> MV1203-D14-05 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

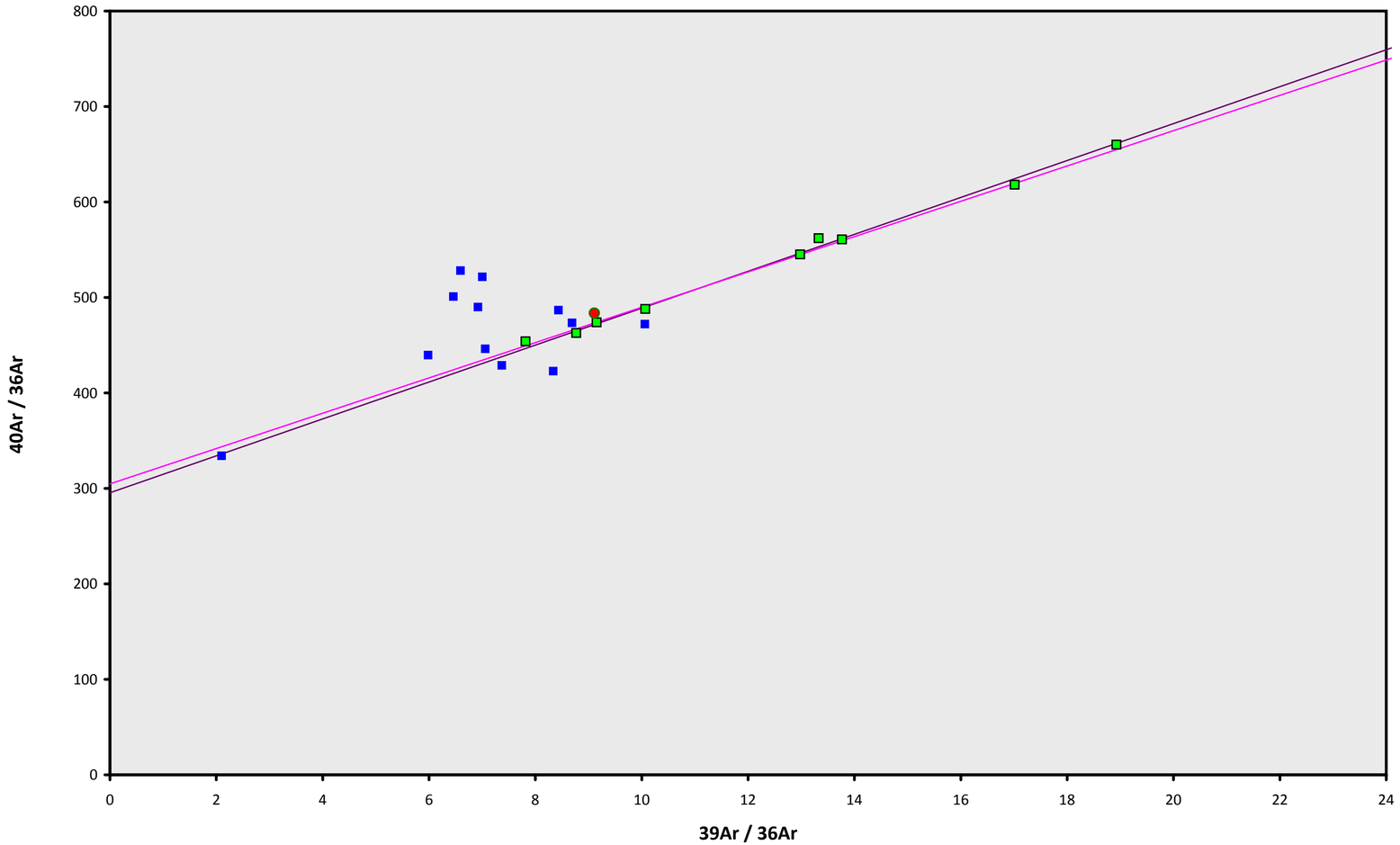
WEIGHTED PLATEAU
57.31 ± 0.73
TOTAL FUSION
61.15 ± 0.62
NORMAL ISOCHRON
54.86 ± 2.87
INVERSE ISOCHRON
54.85 ± 2.87

Sample Info

Plagioclase
Bottlenose Seamount
Susan Schnur

IRR = 15-OSU-07 (7A22-15)
J = 0.00166549 ± 0.00000251

16D07401.AGE >>> MV1203-D14-05 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
57.31 ± 0.73
TOTAL FUSION
61.15 ± 0.62
NORMAL ISOCHRON
54.86 ± 2.87
INVERSE ISOCHRON
54.85 ± 2.87

MSWD (PROBABILITY)
1.03 (41%)

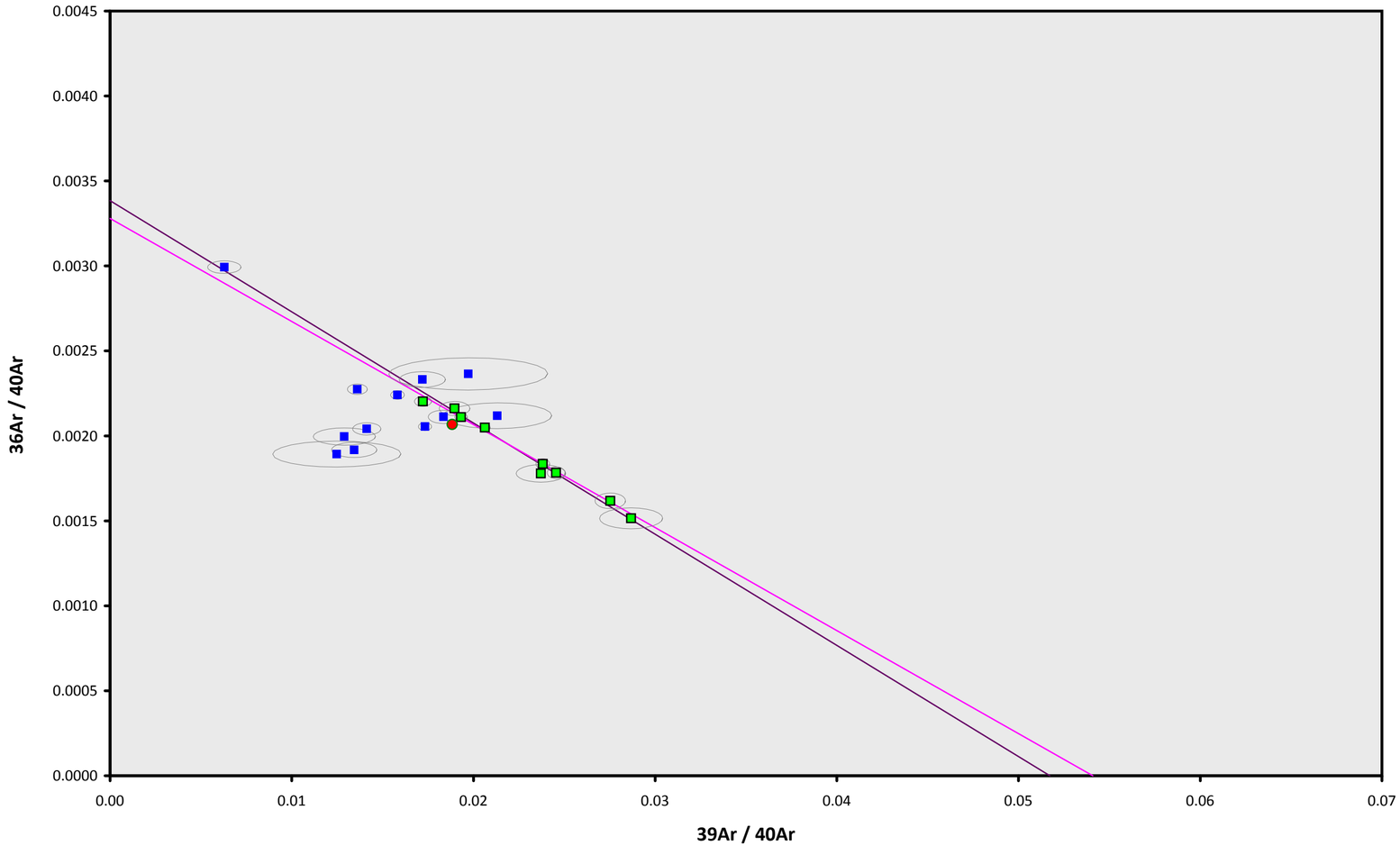
40AR/36AR INTERCEPT
304.8 ± 10.5

Sample Info

Plagioclase
Bottlenose Seamount
Susan Schnur

IRR = 15-OSU-07 (7A22-15)
J = 0.00166549 ± 0.00000251

16D07401.AGE >>> MV1203-D14-05 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
57.31 ± 0.73
TOTAL FUSION
61.15 ± 0.62
NORMAL ISOCHRON
54.86 ± 2.87
INVERSE ISOCHRON
54.85 ± 2.87

MSWD (PROBABILITY)
1.04 (40%)

SPREADING FACTOR
21.2%

40AR/36AR INTERCEPT
304.9 ± 10.5

Sample Info

Plagioclase
Bottlenose Seamount
Susan Schnur

IRR = 15-OSU-07 (7A22-15)
J = 0.00166549 ± 0.00000251