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
14D29403	1.8 %		0.0081128	12.492	16.6346	1.414	0.133660	28.162	3.9225	0.904	59.794	0.227	15.00643 ± 0.32000	42.54 ± 0.90	98.16	0.38	0.101 ± 0.003
14D29405	2.0 %		0.0093368	10.659	21.3916	1.190	0.054931	68.093	5.1229	0.725	77.309	0.174	14.91931 ± 0.25139	42.30 ± 0.70	98.58	0.50	0.103 ± 0.003
14D29406	2.4 %		0.0246513	4.283	68.8890	0.485	0.137041	28.417	16.3038	0.231	244.793	0.057	14.93903 ± 0.08112	42.35 ± 0.23	99.21	1.58	0.101 ± 0.001
14D29407	2.8 %		0.0303030	3.527	93.1315	0.421	0.255808	14.964	22.0031	0.173	328.591	0.043	14.89873 ± 0.06065	42.24 ± 0.17	99.48	2.13	0.101 ± 0.001
14D29409	3.2 %	✓	0.0393932	2.856	117.6692	0.392	0.237787	15.655	27.4936	0.150	412.569	0.034	14.95885 ± 0.05237	42.41 ± 0.15	99.40	2.67	0.100 ± 0.001
14D29410	3.6 %	✓	0.0281509	3.863	95.4699	0.420	0.212511	18.133	22.2611	0.183	333.552	0.042	14.98706 ± 0.06345	42.49 ± 0.18	99.73	2.16	0.100 ± 0.001
14D29411	4.0 %	✓	0.0641613	1.906	227.3953	0.339	0.673365	5.608	53.1502	0.100	794.648	0.019	14.97041 ± 0.03363	42.44 ± 0.09	99.84	5.16	0.100 ± 0.001
14D29413	4.5 %	✓	0.0457766	2.583	171.7412	0.353	0.497361	7.824	40.1484	0.119	600.533	0.024	14.99706 ± 0.04067	42.51 ± 0.11	99.97	3.89	0.100 ± 0.001
14D29414	5.2 %	✓	0.0671759	1.796	255.2809	0.339	0.722911	5.446	59.9161	0.096	895.742	0.017	14.99326 ± 0.03170	42.50 ± 0.09	100.00	5.81	0.101 ± 0.001
14D29415	6.1 %	✓	0.1427213	1.013	511.7129	0.327	1.510024	2.491	120.2848	0.078	1797.298	0.010	14.96538 ± 0.02476	42.42 ± 0.07	99.87	11.67	0.101 ± 0.001
14D29417	7.3 %	✓	0.2247494	0.737	821.5147	0.324	2.390928	1.660	194.2375	0.074	2901.753	0.006	14.96907 ± 0.02300	42.43 ± 0.06	99.91	18.84	0.101 ± 0.001
14D29418	8.5 %	✓	0.2263418	0.768	847.8367	0.324	2.399357	1.593	200.6602	0.073	3002.636	0.006	15.00197 ± 0.02291	42.53 ± 0.06	99.97	19.46	0.101 ± 0.001
14D29419	9.7 %		0.1232458	1.083	455.3581	0.328	1.351545	2.842	108.3561	0.078	1627.673	0.010	15.05505 ± 0.02504	42.68 ± 0.07	99.94	10.51	0.102 ± 0.001
14D29421	11.0 %		0.0725828	1.612	244.6566	0.338	0.771821	5.095	59.6666	0.095	897.401	0.017	15.04133 ± 0.03158	42.64 ± 0.09	99.73	5.79	0.105 ± 0.001
14D29422	12.4 %		0.0402180	2.809	132.8375	0.370	0.423258	8.951	32.0866	0.142	484.080	0.030	15.08046 ± 0.04876	42.75 ± 0.14	99.68	3.11	0.104 ± 0.001
14D29423	14.0 %		0.0282610	3.686	85.9661	0.422	0.284418	12.736	20.8579	0.188	316.230	0.043	15.12348 ± 0.06557	42.87 ± 0.18	99.47	2.02	0.104 ± 0.001
14D29425	15.8 %		0.0213391	4.843	59.0298	0.526	0.171066	22.477	14.2171	0.252	215.398	0.065	15.07225 ± 0.08983	42.72 ± 0.25	99.20	1.38	0.103 ± 0.001
14D29426	18.0 %		0.0200840	5.124	47.0028	0.600	0.160520	22.774	10.9812	0.331	167.893	0.083	15.12548 ± 0.11760	42.87 ± 0.33	98.64	1.07	0.100 ± 0.001
14D29428	20.5 %		0.0207325	5.035	36.1853	0.746	0.146979	26.313	8.5505	0.422	131.911	0.103	15.08334 ± 0.15032	42.76 ± 0.42	97.49	0.83	0.101 ± 0.002
14D29429	22.5 %		0.0144273	7.190	23.4848	1.075	0.100219	39.482	5.6842	0.652	87.708	0.155	15.04372 ± 0.22965	42.64 ± 0.64	97.22	0.55	0.104 ± 0.003
14D29431	24.5 %		0.0124633	8.020	21.2637	1.154	0.088853	42.339	5.0866	0.750	79.317	0.172	15.23752 ± 0.26267	43.19 ± 0.74	97.44	0.49	0.103 ± 0.003
		Σ	1.2642280	0.431	4354.4521	0.112	12.724361	1.376	1030.9910	0.029	15456.829	0.004					

Information on Analysis and Constants Used in Calculations

Project = **MV1203 (13-INT-04)**
Sample = **MV1203-D61-06A**
Material = **Plagioclase**
Location = **Maybe Seamount**
Region = **Walvis Ridge**
Analyst = **Susan Schnur**
Irradiation = **14-OSU-04 (4B33-14)**
Position = **X: 0 | Y: 0 | Z/H: 46.93 mm**
FCT-NM Age = **28.201 ± 0.023 Ma**
FCT-NM Reference = **Kuiper et al 2008**
FCT-NM 40Ar/39Ar Ratio = **9.90880 ± 0.01912**
FCT-NM J-value = **0.00158621 ± 0.00000306**
Air Shot 40Ar/36Ar = **303.5100 ± 0.4795**
Air Shot MDF = **0.99339367 ± 0.00069420 (LIN)**
Experiment Type = **Incremental Heating**
Extraction Method = **Bulk Laser Heating**
Heating = **60 sec**
Isolation = **6.00 min**
Instrument = **ARGUS-VI-D**
Preferred Age = **Plateau Age**
Age Classification = **Eruption Age**
IGSN = **IESS10030**
Rock Class = **Igneous>Volcanic>Mafic**
Lithology = **Phonolitic-Tephrite**
Lat-Lon = **37°12.1'S - 1°08.5'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		14.98075 ± 0.01186 (± 0.08%)	**42.47 ± 0.17 (± 0.39%)**	1.20 (30%)	69.66 (8)	0.101 ± 0.000
		Full External Error ± 0.97		2.07	2σ Confidence Limit	
		Analytical Error ± 0.03		1.0947	Error Magnification	
Total Fusion Age		15.00122 ± 0.00940 (± 0.06%)	**42.53 ± 0.16 (± 0.39%)**		21	0.102 ± 0.000
		Full External Error ± 0.97				
		Analytical Error ± 0.03				
Normal Isochron	**78.77 ± 200.27 (########)**	14.99773 ± 0.01764 (± 0.12%)	**42.52 ± 0.17 (± 0.40%)**	1.33 (24%)	69.66 (8)	
		Full External Error ± 0.97		2.15	2σ Confidence Limit	
		Analytical Error ± 0.05		1.1518	Error Magnification	
				1	Number of Iterations	
				0.0000000002	Convergence	
Inverse Isochron	**159.48 ± 103.80 (± 65.09%)**	14.98629 ± 0.01232 (± 0.08%)	**42.48 ± 0.17 (± 0.39%)**	0.99 (43%)	69.66 (8)	
Clustered Points		Full External Error ± 0.97		2.15	2σ Confidence Limit	
		Analytical Error ± 0.03		1.0000	Error Magnification	
Notes				3	Number of Iterations	
A little bumpy but acceptable.				0.0000923697	Convergence	
				0%	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
14D29403	1.8 %		0.0036713	16.6346	0.0847226	3.9113	58.694	42.54 ± 0.90	98.16	0.38	0.101 ± 0.003
14D29405	2.0 %		0.0036402	21.3916	0.0000000	5.1084	76.214	42.30 ± 0.70	98.58	0.50	0.103 ± 0.003
14D29406	2.4 %		0.0063062	68.8890	0.0000000	16.2572	242.867	42.35 ± 0.23	99.21	1.58	0.101 ± 0.001
14D29407	2.8 %		0.0055021	93.1315	0.0000000	21.9402	326.881	42.24 ± 0.17	99.48	2.13	0.101 ± 0.001
14D29409	3.2 %	✓	0.0080579	117.6692	0.0000000	27.4141	410.083	42.41 ± 0.15	99.40	2.67	0.100 ± 0.001
14D29410	3.6 %	✓	0.0027272	95.4699	0.0000000	22.1966	332.661	42.49 ± 0.18	99.73	2.16	0.100 ± 0.001
14D29411	4.0 %	✓	0.0036033	227.3953	0.0187625	52.9966	793.381	42.44 ± 0.09	99.84	5.16	0.100 ± 0.001
14D29413	4.5 %	✓	0.0000414	171.7412	0.0033929	40.0324	600.368	42.51 ± 0.11	99.97	3.89	0.100 ± 0.001
14D29414	5.2 %	✓	0.0008054	255.2809	0.0000000	59.7436	895.751	42.50 ± 0.09	100.00	5.81	0.101 ± 0.001
14D29415	6.1 %	✓	0.0064481	511.7129	0.0290906	119.9391	1794.934	42.42 ± 0.07	99.87	11.67	0.101 ± 0.001
14D29417	7.3 %	✓	0.0059799	821.5147	0.0006325	193.6824	2899.245	42.43 ± 0.06	99.91	18.84	0.101 ± 0.001
14D29418	8.5 %	✓	0.0005629	847.8367	0.0000000	200.0874	3001.705	42.53 ± 0.06	99.97	19.46	0.101 ± 0.001
14D29419	9.7 %		0.0019813	455.3581	0.0185495	108.0484	1626.674	42.68 ± 0.07	99.94	10.51	0.102 ± 0.001
14D29421	11.0 %		0.0074256	244.6566	0.0370056	59.5014	894.979	42.64 ± 0.09	99.73	5.79	0.105 ± 0.001
14D29422	12.4 %		0.0048395	132.8375	0.0278619	31.9968	482.527	42.75 ± 0.14	99.68	3.11	0.104 ± 0.001
14D29423	14.0 %		0.0053644	85.9661	0.0270008	20.7998	314.566	42.87 ± 0.18	99.47	2.02	0.104 ± 0.001
14D29425	15.8 %		0.0056195	59.0298	0.0000000	14.1773	213.683	42.72 ± 0.25	99.20	1.38	0.103 ± 0.001
14D29426	18.0 %		0.0075638	47.0028	0.0239984	10.9495	165.616	42.87 ± 0.33	98.64	1.07	0.100 ± 0.001
14D29428	20.5 %		0.0110908	36.1853	0.0397308	8.5260	128.601	42.76 ± 0.42	97.49	0.83	0.101 ± 0.002
14D29429	22.5 %		0.0081692	23.4848	0.0288103	5.6683	85.272	42.64 ± 0.64	97.22	0.55	0.104 ± 0.003
14D29431	24.5 %		0.0067973	21.2637	0.0250317	5.0723	77.289	43.19 ± 0.74	97.44	0.49	0.103 ± 0.003
		Σ	0.1045866	4354.4521	0.3645902	1028.0492	15421.994				

Information on Analysis

Project = **MV1203 (13-INT-04)**
Sample = **MV1203-D61-06A**
Material = **Plagioclase**
Location = **Maybe Seamount**
Region = **Walvis Ridge**
Analyst = **Susan Schnur**
Irradiation = **14-OSU-04 (4B33-14)**
J = **0.00158621 ± 0.00000306**
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	14.98075	± 0.01186	**42.47**	**± 0.17**	1.20	69.66	0.101 ± 0.000
		± 0.08%		**± 0.39%**	30%	8	
			Full External Error	± 0.97	2.07	2σ Confidence Limit	
			Analytical Error	± 0.03	1.0947	Error Magnification	
Total Fusion Age	15.00122	± 0.00940	**42.53**	**± 0.16**		21	0.102 ± 0.000
		± 0.06%		**± 0.39%**			
			Full External Error	± 0.97			
			Analytical Error	± 0.03			

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
14D29403	1.8 %		1065.38 ± 589.68	16283.06 ± 9007.99	0.9994
14D29405	2.0 %		1403.34 ± 769.40	21232.33 ± 11637.02	0.9996
14D29406	2.4 %		2577.97 ± 866.61	38807.87 ± 13044.54	0.9999
14D29407	2.8 %		3987.58 ± 1557.57	59705.46 ± 23320.40	1.0000
14D29409	3.2 %	✓	3402.16 ± 956.60	51187.83 ± 14391.97	0.9999
14D29410	3.6 %	✓	8138.85 ± 6525.32	122272.91 ± 98031.26	1.0000
14D29411	4.0 %	✓	14707.80 ± 10150.55	220477.38 ± 152161.28	1.0000
14D29413	4.5 %	✓	966359.03 ± 55772273.63	14492842.78 ############	1.0000
14D29414	5.2 %	✓	74179.32 ± 227051.44	1111894.33 ± 3403335.92	1.0000
14D29415	6.1 %	✓	18600.59 ± 8805.71	278660.40 ± 131919.98	1.0000
14D29417	7.3 %	✓	32388.76 ± 19852.90	485124.92 ± 297359.60	1.0000
14D29418	8.5 %	✓	355472.92 ± 2421278.13	5333088.13 ± 36325943.62	1.0000
14D29419	9.7 %		54533.78 ± 77338.56	821304.09 ± 1164753.90	1.0000
14D29421	11.0 %		8013.00 ± 2579.04	120821.72 ± 38886.55	1.0000
14D29422	12.4 %		6611.66 ± 3111.17	100002.34 ± 47056.06	1.0000
14D29423	14.0 %		3877.36 ± 1513.32	58934.63 ± 23001.03	1.0000
14D29425	15.8 %		2522.89 ± 931.33	38321.13 ± 14145.12	0.9999
14D29426	18.0 %		1447.62 ± 395.17	22191.39 ± 6056.12	0.9997
14D29428	20.5 %		768.75 ± 145.20	11890.80 ± 2243.84	0.9989
14D29429	22.5 %		693.86 ± 176.83	10733.70 ± 2732.04	0.9986
14D29431	24.5 %		746.22 ± 220.24	11665.99 ± 3438.86	0.9986

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	**78.77 ± 200.27 ± 254.24%**	14.99773 ± 0.01764 ± 0.12%	**42.52 ± 0.17 ± 0.40%**	1.33 24%
			Full External Error ± 0.97	
			Analytical Error ± 0.05	

Statistics				
	2σ Confidence Limit	2.15	Convergence	0.000000000230
	Error Magnification	1.1518	Number of Iterations	1
	Number of Data Points	8	Calculated Line	Weighted York-2

Inverse Isochron			39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
14D29403	1.8 %		0.0654288 ± 0.0012230	0.00006141 ± 0.00003397	0.0020
14D29405	2.0 %		0.0660944 ± 0.0009886	0.00004710 ± 0.00002581	0.0015
14D29406	2.4 %		0.0664290 ± 0.0003173	0.00002577 ± 0.00000866	0.0008
14D29407	2.8 %		0.0667876 ± 0.0002388	0.00001675 ± 0.00000654	0.0005
14D29409	3.2 %	✓	0.0664642 ± 0.0002058	0.00001954 ± 0.00000549	0.0005
14D29410	3.6 %	✓	0.0665630 ± 0.0002504	0.00000818 ± 0.00000656	0.0002
14D29411	4.0 %	✓	0.0667089 ± 0.0001365	0.00000454 ± 0.00000313	0.0001
14D29413	4.5 %	✓	0.0666784 ± 0.0001629	0.00000007 ± 0.00000398	0.0000
14D29414	5.2 %	✓	0.0667144 ± 0.0001302	0.00000090 ± 0.00000275	0.0000
14D29415	6.1 %	✓	0.0667500 ± 0.0001052	0.00000359 ± 0.00000170	0.0001
14D29417	7.3 %	✓	0.0667637 ± 0.0000995	0.00000206 ± 0.00000126	0.0000
14D29418	8.5 %	✓	0.0666542 ± 0.0000986	0.00000019 ± 0.00000128	0.0000
14D29419	9.7 %		0.0663990 ± 0.0001051	0.00000122 ± 0.00000173	0.0000
14D29421	11.0 %		0.0663209 ± 0.0001290	0.00000828 ± 0.00000266	0.0002
14D29422	12.4 %		0.0661150 ± 0.0001928	0.00001000 ± 0.00000471	0.0003
14D29423	14.0 %		0.0657908 ± 0.0002542	0.00001697 ± 0.00000662	0.0005
14D29425	15.8 %		0.0658355 ± 0.0003438	0.00002610 ± 0.00000963	0.0009
14D29426	18.0 %		0.0652332 ± 0.0004463	0.00004506 ± 0.00001230	0.0015
14D29428	20.5 %		0.0646507 ± 0.0005635	0.00008410 ± 0.00001587	0.0026
14D29429	22.5 %		0.0646429 ± 0.0008687	0.00009316 ± 0.00002371	0.0028
14D29431	24.5 %		0.0639651 ± 0.0009865	0.00008572 ± 0.00002527	0.0026

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	**159.48 ± 103.80**	14.98629 ± 0.01232	**42.48 ± 0.17**	0.99
Clustered Points	**± 65.09%**	± 0.08%	**± 0.39%**	43%
			Full External Error ± 0.97	
			Analytical Error ± 0.03	

Statistics				
	2σ Confidence Limit	2.15	Convergence	0.0000923697
	Error Magnification	1.0000	Number of Iterations	3
	Number of Data Points	8	Calculated Line	Weighted York-2
	Spreading Factor	0.4%		

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
14D29403	1.8 %		0.0036713	27.66	0.0000000	0.00	0.0044298	1.42	0.0000118	44.44	16.6346	1.41	0.0006862	27.66	0.0000000	0.00	0.047057	0.92	0.0011944	12.90	0.0847226	44.45	3.9113	0.91	0.0112383	1.93	58.694	0.56	1.084856	27.66	0.0000000	0.00	0.0149528	2.81
14D29405	2.0 %		0.0036402	27.40	0.0000000	0.00	0.0056966	1.20	0.0000000	0.00	21.3916	1.19	0.0006804	27.40	0.0000000	0.00	0.061459	0.74	0.0015359	12.88	0.0000000	0.00	5.1084	0.73	0.0144521	1.78	76.214	0.43	1.075676	27.40	0.0000000	0.00	0.0195295	2.76
14D29406	2.4 %		0.0063062	16.81	0.0000000	0.00	0.0183451	0.51	0.0000000	0.00	68.8890	0.48	0.0011786	16.81	0.0000000	0.00	0.195591	0.28	0.0049462	12.83	0.0000000	0.00	16.2572	0.23	0.0465414	1.41	242.867	0.14	1.863487	16.81	0.0000000	0.00	0.0621514	2.67
14D29407	2.8 %		0.0055021	19.53	0.0000000	0.00	0.0248009	0.45	0.0000000	0.00	93.1315	0.42	0.0010283	19.53	0.0000000	0.00	0.263963	0.24	0.0066868	12.83	0.0000000	0.00	21.9402	0.17	0.0629196	1.39	326.881	0.11	1.625880	19.53	0.0000000	0.00	0.0838774	2.67
14D29409	3.2 %	✓	0.0080579	14.06	0.0000000	0.00	0.0313353	0.42	0.0000000	0.00	117.6692	0.39	0.0015060	14.06	0.0000000	0.00	0.329819	0.22	0.0084486	12.83	0.0000000	0.00	27.4141	0.15	0.0794973	1.38	410.083	0.09	2.381099	14.06	0.0000000	0.00	0.1048041	2.66
14D29410	3.6 %	✓	0.0027272	40.09	0.0000000	0.00	0.0254236	0.45	0.0000000	0.00	95.4699	0.42	0.0005097	40.09	0.0000000	0.00	0.267047	0.24	0.0068547	12.83	0.0000000	0.00	22.1966	0.18	0.0644994	1.39	332.661	0.11	0.805898	40.09	0.0000000	0.00	0.0848574	2.67
14D29411	4.0 %	✓	0.0036033	34.51	0.0000000	0.00	0.0605554	0.37	0.0000026	201.68	227.3953	0.34	0.0006735	34.51	0.0000000	0.00	0.637602	0.19	0.0163270	12.82	0.0187625	201.68	52.9966	0.10	0.1536283	1.36	793.381	0.05	1.064774	34.51	0.0000000	0.00	0.2026060	2.66
14D29413	4.5 %	✓	0.0000414	######	0.0000000	0.00	0.0457347	0.38	0.0000005	######	171.7412	0.35	0.0000077	######	0.0000000	0.00	0.481630	0.20	0.0123310	12.82	0.0033929	######	40.0324	0.12	0.1160284	1.37	600.368	0.06	0.012241	######	0.0000000	0.00	0.1530438	2.66
14D29414	5.2 %	✓	0.0008054	153.04	0.0000000	0.00	0.0679813	0.37	0.0000000	0.00	255.2809	0.34	0.0001505	153.04	0.0000000	0.00	0.718775	0.19	0.0183292	12.82	0.0000000	0.00	59.7436	0.10	0.1724678	1.36	895.751	0.04	0.237994	153.04	0.0000000	0.00	0.2283998	2.66
14D29415	6.1 %	✓	0.0064481	23.67	0.0000000	0.00	0.1362691	0.36	0.0000041	130.61	511.7129	0.33	0.0012052	23.67	0.0000000	0.00	1.442988	0.18	0.0367410	12.82	0.0290906	130.62	119.9391	0.08	0.3457132	1.36	1794.934	0.03	1.905423	23.67	0.0000000	0.00	0.4585272	2.66
14D29417	7.3 %	✓	0.0059799	30.65	0.0000000	0.00	0.2187694	0.36	0.0000001	######	821.5147	0.32	0.0011176	30.65	0.0000000	0.00	2.330193	0.18	0.0589848	12.82	0.0006325	######	193.6824	0.07	0.5550154	1.36	2899.245	0.02	1.767069	30.65	0.0000000	0.00	0.7404480	2.66
14D29418	8.5 %	✓	0.0005629	340.57	0.0000000	0.00	0.2257789	0.36	0.0000000	0.00	847.8367	0.32	0.0001052	340.57	0.0000000	0.00	2.407252	0.18	0.0608747	12.82	0.0000000	0.00	200.0874	0.07	0.5727984	1.36	3001.705	0.02	0.166330	340.57	0.0000000	0.00	0.7649342	2.66
14D29419	9.7 %		0.0019813	70.91	0.0000000	0.00	0.1212619	0.36	0.0000026	208.71	455.3581	0.33	0.0003703	70.91	0.0000000	0.00	1.299931	0.18	0.0326947	12.82	0.0185495	208.71	108.0484	0.08	0.3076399	1.36	1626.674	0.03	0.585478	70.91	0.0000000	0.00	0.4130692	2.66
14D29421	11.0 %		0.0074256	16.09	0.0000000	0.00	0.0651520	0.37	0.0000052	106.51	244.6566	0.34	0.0013878	16.09	0.0000000	0.00	0.715861	0.19	0.0175663	12.82	0.0370056	106.51	59.5014	0.10	0.1652900	1.36	894.979	0.04	2.194264	16.09	0.0000000	0.00	0.2274737	2.66
14D29422	12.4 %		0.0048395	23.53	0.0000000	0.00	0.0353746	0.40	0.0000039	136.08	132.8375	0.37	0.0009045	23.53	0.0000000	0.00	0.384954	0.21	0.0095377	12.83	0.0278619	136.09	31.9968	0.14	0.0897450	1.37	482.527	0.08	1.430060	23.53	0.0000000	0.00	0.1223239	2.66
14D29423	14.0 %		0.0053644	19.51	0.0000000	0.00	0.0228928	0.45	0.0000038	134.22	85.9661	0.42	0.0010026	19.51	0.0000000	0.00	0.250243	0.25	0.0061724	12.83	0.0270008	134.22	20.7998	0.19	0.0580787	1.39	314.566	0.11	1.585190	19.51	0.0000000	0.00	0.0795177	2.67
14D29425	15.8 %		0.0056195	18.46	0.0000000	0.00	0.0157196	0.55	0.0000000	0.00	59.0298	0.53	0.0010503	18.46	0.0000000	0.00	0.170567	0.30	0.0042383	12.83	0.0000000	0.00	14.1773	0.25	0.0398805	1.42	213.683	0.16	1.660549	18.46	0.0000000	0.00	0.0541997	2.67
14D29426	18.0 %		0.0075638	13.64	0.0000000	0.00	0.0125168	0.62	0.0000033	152.36	47.0028	0.60	0.0014137	13.64	0.0000000	0.00	0.131733	0.37	0.0033748	12.83	0.0239984	152.36	10.9495	0.33	0.0317551	1.45	165.616	0.20	2.235105	13.64	0.0000000	0.00	0.0418599	2.68
14D29428	20.5 %		0.0110908	9.43	0.0000000	0.00	0.0096362	0.76	0.0000055	97.36	36.1853	0.75	0.0020729	9.43	0.0000000	0.00	0.102577	0.45	0.0025981	12.84	0.0397308	97.36	8.5260	0.42	0.0244468	1.52	128.601	0.26	3.277332	9.43	0.0000000	0.00	0.0325951	2.69
14D29429	22.5 %		0.0081692	12.73	0.0000000	0.00	0.0062540	1.09	0.0000040	137.36	23.4848	1.07	0.0015268	12.73	0.0000000	0.00	0.068195	0.67	0.0016862	12.86	0.0288103	137.36	5.6683	0.65	0.0158663	1.70	85.272	0.39	2.414012	12.73	0.0000000	0.00	0.0216699	2.74
14D29431	24.5 %		0.0067973	14.74	0.0000000	0.00	0.0056625	1.16	0.0000035	150.31	21.2637	1.15	0.0012704	14.74	0.0000000	0.00	0.061024	0.77	0.0015267	12.87	0.0250317	150.31	5.0723	0.75	0.0143658	1.75	77.289	0.42	2.008602	14.74	0.0000000	0.00	0.0193912	2.76
		Σ	0.1045866	5.39	0.0000000	0.00	1.1595906	0.12	0.0000508	37.89	4354.4521	0.11	0.0195472	5.39	0.0000000	0.00	12.368460	0.06	0.3126497	4.31	0.3645902	37.89	1028.0492	0.03	2.9418678	0.46	15421.994	0.01	30.905331	5.39	0.0000000	0.00	3.9302320	0.89
		Σ							1.2642280	0.46	4354.4521	0.11									13.065247	1.06			1030.9910	0.03							15456.829	0.02

Additional Parameters			40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
14D29403	1.8 %		15.243814	0.142084	4.240789	0.071167	0.002068	0.000259	85.733	5.451402	1.00060600	2.870E-12
14D29405	2.0 %		15.091011	0.112558	4.175702	0.058178	0.001823	0.000195	85.751	5.453271	1.00060612	3.711E-12
14D29406	2.4 %		15.014495	0.035753	4.225337	0.022697	0.001512	0.000065	85.759	5.454169	1.00060618	1.175E-11
14D29407	2.8 %		14.933835	0.026622	4.232647	0.019256	0.001377	0.000049	85.768	5.455142	1.00060625	1.577E-11
14D29409	3.2 %	✓	15.006011	0.023160	4.279875	0.017985	0.001433	0.000041	85.785	5.456938	1.00060636	1.980E-11
14D29410	3.6 %	✓	14.983647	0.028094	4.288650	0.019651	0.001265	0.000049	85.794	5.457911	1.00060643	1.601E-11
14D29411	4.0 %	✓	14.950988	0.015243	4.278351	0.015141	0.001207	0.000023	85.802	5.458810	1.00060649	3.814E-11
14D29413	4.5 %	✓	14.957839	0.018211	4.277659	0.015927	0.001140	0.000029	85.819	5.460682	1.00060661	2.883E-11
14D29414	5.2 %	✓	14.949941	0.014537	4.260642	0.015002	0.001121	0.000020	85.828	5.461656	1.00060667	4.300E-11
14D29415	6.1 %	✓	14.942018	0.011727	4.254177	0.014285	0.001187	0.000012	85.837	5.462555	1.00060673	8.627E-11
14D29417	7.3 %	✓	14.939203	0.011084	4.229435	0.014074	0.001157	0.000009	85.854	5.464428	1.00060685	1.393E-10
14D29418	8.5 %	✓	14.963783	0.011025	4.225235	0.014042	0.001128	0.000009	85.863	5.465328	1.00060691	1.441E-10
14D29419	9.7 %		15.021518	0.011844	4.202423	0.014177	0.001137	0.000012	85.872	5.466302	1.00060698	7.813E-11
14D29421	11.0 %		15.040246	0.014577	4.100391	0.014407	0.001216	0.000020	85.889	5.468177	1.00060710	4.308E-11
14D29422	12.4 %		15.086666	0.021934	4.139970	0.016424	0.001253	0.000035	85.897	5.469077	1.00060716	2.324E-11
14D29423	14.0 %		15.161178	0.029201	4.121514	0.019044	0.001355	0.000050	85.906	5.469978	1.00060722	1.518E-11
14D29425	15.8 %		15.150584	0.039448	4.152014	0.024229	0.001501	0.000073	85.923	5.471854	1.00060734	1.034E-11
14D29426	18.0 %		15.289092	0.052155	4.280281	0.029343	0.001829	0.000094	85.932	5.472829	1.00060740	8.059E-12
14D29428	20.5 %		15.427318	0.067049	4.231958	0.036295	0.002425	0.000123	85.949	5.474707	1.00060752	6.332E-12
14D29429	22.5 %		15.430229	0.103395	4.131624	0.051942	0.002538	0.000183	85.958	5.475608	1.00060758	4.210E-12
14D29431	24.5 %		15.593182	0.119915	4.180321	0.057511	0.002450	0.000197	85.975	5.477486	1.00060771	3.807E-12

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
14D29403	1.8 %	0.0246057 ± 0.0008055	0.0189686 ± 0.0308150	0.0842531 ± 0.0264662	0.0129216 ± 0.0244799	7.5327246 ± 0.1314062
14D29405	2.0 %	0.0234215 ± 0.0008055	0.0130246 ± 0.0308150	0.0715659 ± 0.0264662	0.0022240 ± 0.0244799	7.1240055 ± 0.1314062
14D29406	2.4 %	0.0231107 ± 0.0008055	0.0191459 ± 0.0308150	0.0678775 ± 0.0264662	0.0002487 ± 0.0244799	6.9853309 ± 0.1314062
14D29407	2.8 %	0.0229136 ± 0.0008055	0.0206686 ± 0.0308150	0.0653224 ± 0.0264662	0.0014891 ± 0.0244799	6.8683501 ± 0.1314062
14D29409	3.2 %	0.0228162 ± 0.0008055	0.0134292 ± 0.0308150	0.0637735 ± 0.0264662	0.0010444 ± 0.0244799	6.7222309 ± 0.1314062
14D29410	3.6 %	0.0228519 ± 0.0008055	0.0059857 ± 0.0308150	0.0642643 ± 0.0264662	0.0000954 ± 0.0244799	6.6705494 ± 0.1314062
14D29411	4.0 %	0.0229105 ± 0.0008055	0.0020527 ± 0.0308150	0.0653339 ± 0.0264662	0.0014005 ± 0.0244799	6.6343978 ± 0.1314062
14D29413	4.5 %	0.0230366 ± 0.0008055	0.0197075 ± 0.0308150	0.0688801 ± 0.0264662	0.0041121 ± 0.0244799	6.5800164 ± 0.1314062
14D29414	5.2 %	0.0230719 ± 0.0008055	0.0281840 ± 0.0308150	0.0711562 ± 0.0264662	0.0051798 ± 0.0244799	6.5563689 ± 0.1314062
14D29415	6.1 %	0.0230713 ± 0.0008055	0.0350073 ± 0.0308150	0.0733784 ± 0.0264662	0.0058013 ± 0.0244799	6.5341510 ± 0.1314062
14D29417	7.3 %	0.0229394 ± 0.0008055	0.0449209 ± 0.0308150	0.0780340 ± 0.0264662	0.0056741 ± 0.0244799	6.4796817 ± 0.1314062
14D29418	8.5 %	0.0228070 ± 0.0008055	0.0472587 ± 0.0308150	0.0801521 ± 0.0264662	0.0048614 ± 0.0244799	6.4474498 ± 0.1314062
14D29419	9.7 %	0.0226133 ± 0.0008055	0.0479143 ± 0.0308150	0.0822906 ± 0.0264662	0.0034321 ± 0.0244799	6.4073035 ± 0.1314062
14D29421	11.0 %	0.0221136 ± 0.0008055	0.0439501 ± 0.0308150	0.0858306 ± 0.0264662	0.0007285 ± 0.0244799	6.3155268 ± 0.1314062
14D29422	12.4 %	0.0218302 ± 0.0008055	0.0399475 ± 0.0308150	0.0872429 ± 0.0264662	0.0032228 ± 0.0244799	6.2661427 ± 0.1314062
14D29423	14.0 %	0.0215332 ± 0.0008055	0.0349400 ± 0.0308150	0.0884792 ± 0.0264662	0.0058900 ± 0.0244799	6.2149703 ± 0.1314062
14D29425	15.8 %	0.0209352 ± 0.0008055	0.0229630 ± 0.0308150	0.0906068 ± 0.0264662	0.0113446 ± 0.0244799	6.1107762 ± 0.1314062
14D29426	18.0 %	0.0206780 ± 0.0008055	0.0170715 ± 0.0308150	0.0915770 ± 0.0264662	0.0136871 ± 0.0244799	6.0636081 ± 0.1314062
14D29428	20.5 %	0.0204135 ± 0.0008055	0.0099201 ± 0.0308150	0.0935448 ± 0.0264662	0.0159409 ± 0.0244799	6.0039952 ± 0.1314062
14D29429	22.5 %	0.0204494 ± 0.0008055	0.0100161 ± 0.0308150	0.0947145 ± 0.0264662	0.0154000 ± 0.0244799	5.9978334 ± 0.1314062
14D29431	24.5 %	0.0210290 ± 0.0008055	0.0223245 ± 0.0308150	0.0981879 ± 0.0264662	0.0091907 ± 0.0244799	6.0558173 ± 0.1314062

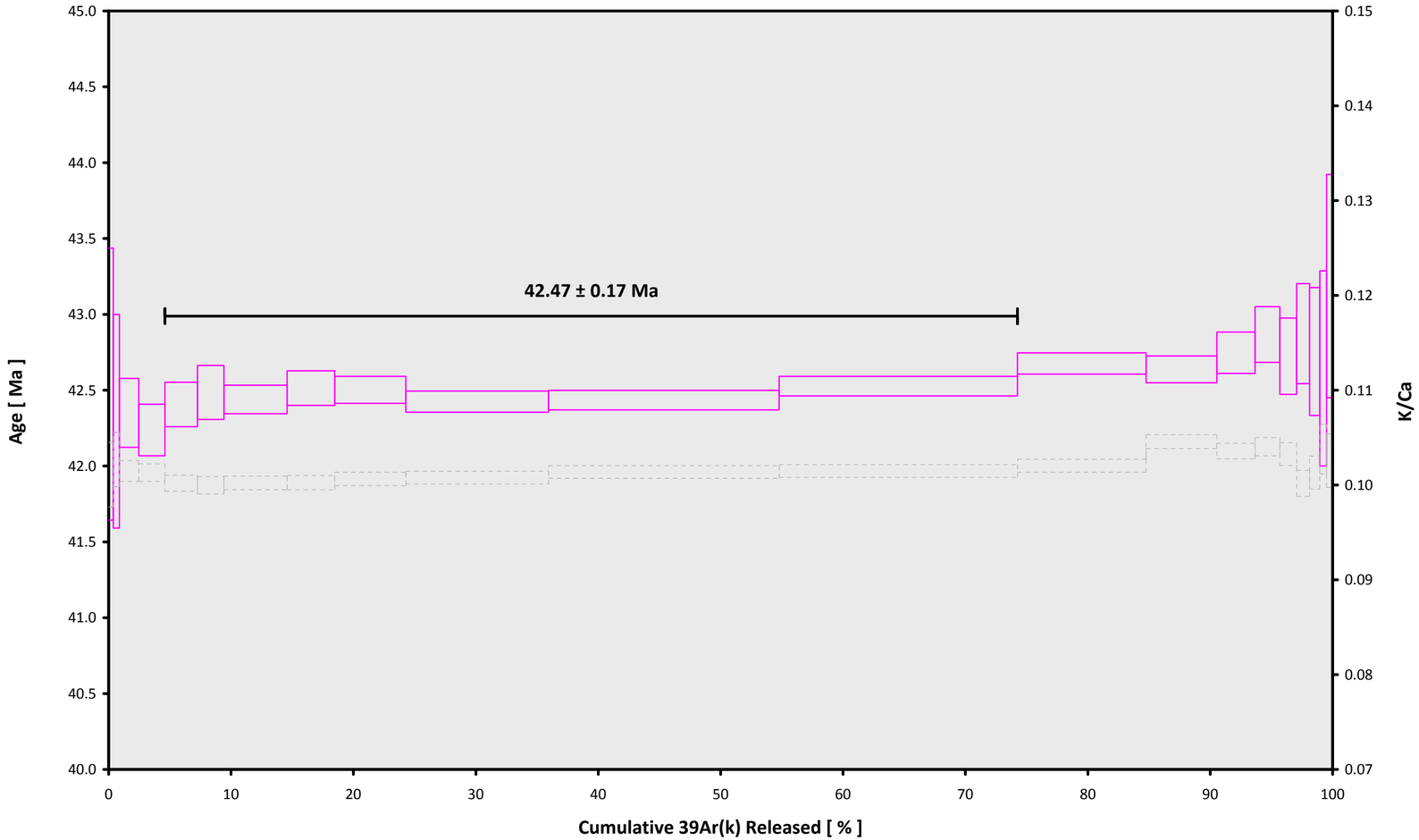
Intercept Values		36Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	37Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	38Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	39Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	40Ar ± 1σ (SE) [fA]	r2	Regression (type,n)
14D29403	1.8 %	0.0323340 ± 0.0005319	0.7962	EXP 150 of 150	2.9720781 ± 0.0273128	0.2940	EXP 150 of 150	0.0476411 ± 0.0260621	0.0074	EXP 150 of 150	3.9072217 ± 0.0251523	0.2255	EXP 150 of 150	67.489330 ± 0.035814	0.9962	EXP 150 of 150
14D29405	2.0 %	0.0323158 ± 0.0004994	0.8090	EXP 149 of 150	3.8580972 ± 0.0314530	0.3506	EXP 150 of 150	0.0173605 ± 0.0257270	0.0003	EXP 150 of 150	5.0882295 ± 0.0273601	0.3406	EXP 150 of 150	84.643188 ± 0.031494	0.9955	EXP 150 of 150
14D29406	2.4 %	0.0465938 ± 0.0005985	0.7699	EXP 150 of 150	12.3997029 ± 0.0325858	0.8067	EXP 150 of 150	0.0673528 ± 0.0278616	0.0163	EXP 150 of 150	16.1862168 ± 0.0259589	0.9309	EXP 150 of 150	252.443113 ± 0.047760	0.9816	EXP 150 of 150
14D29407	2.8 %	0.0517805 ± 0.0006174	0.7877	EXP 150 of 150	16.7550496 ± 0.0331663	0.8870	EXP 150 of 150	0.1871059 ± 0.0269475	0.0070	EXP 150 of 150	21.8433205 ± 0.0244131	0.9672	EXP 150 of 150	336.351867 ± 0.054781	0.9945	EXP 150 of 150
14D29409	3.2 %	0.0603424 ± 0.0006989	0.7568	EXP 150 of 150	21.1499214 ± 0.0358650	0.9165	EXP 150 of 150	0.1708718 ± 0.0254702	0.0371	EXP 150 of 150	27.2947293 ± 0.0269337	0.9752	EXP 150 of 150	420.412037 ± 0.053477	0.9979	EXP 150 of 150
14D29410	3.6 %	0.0496686 ± 0.0006468	0.7637	EXP 150 of 150	17.1518334 ± 0.0344569	0.8873	EXP 150 of 150	0.1454390 ± 0.0273026	0.0100	EXP 150 of 150	22.1009637 ± 0.0281622	0.9581	EXP 150 of 150	341.128123 ± 0.051925	0.9957	EXP 150 of 150
14D29411	4.0 %	0.0840310 ± 0.0008234	0.7735	EXP 150 of 150	40.8301351 ± 0.0305401	0.9831	EXP 150 of 150	0.5991356 ± 0.0262123	0.0574	EXP 150 of 150	52.7691635 ± 0.0290518	0.9925	EXP 150 of 150	803.440701 ± 0.068800	0.9995	EXP 150 of 150
14D29413	4.5 %	0.0666437 ± 0.0007776	0.7722	EXP 150 of 150	30.8083970 ± 0.0315052	0.9683	EXP 150 of 150	0.4219108 ± 0.0278167	0.0238	EXP 150 of 150	39.8636224 ± 0.0298833	0.9857	EXP 150 of 150	608.744377 ± 0.056882	0.9993	EXP 150 of 150
14D29414	5.2 %	0.0870642 ± 0.0007995	0.8061	EXP 150 of 150	45.7873881 ± 0.0364390	0.9811	EXP 150 of 150	0.6422044 ± 0.0284194	0.0241	EXP 150 of 150	59.4900960 ± 0.0304302	0.9937	EXP 150 of 150	904.730633 ± 0.072962	0.9996	EXP 150 of 150
14D29415	6.1 %	0.1590287 ± 0.0010476	0.7941	EXP 150 of 150	91.7876192 ± 0.0366992	0.9951	EXP 150 of 150	1.4166979 ± 0.0259362	0.1856	EXP 150 of 150	119.4250684 ± 0.0333483	0.9982	EXP 150 of 150	1808.713232 ± 0.115953	0.9998	EXP 150 of 150
14D29417	7.3 %	0.2370372 ± 0.0012134	0.8357	EXP 150 of 150	147.3185291 ± 0.0427903	0.9974	EXP 150 of 150	2.2813093 ± 0.0286910	0.2323	EXP 150 of 150	192.8453836 ± 0.0404818	0.9990	EXP 150 of 150	2916.112871 ± 0.122238	0.9999	EXP 150 of 150
14D29418	8.5 %	0.2384218 ± 0.0013110	0.8511	EXP 150 of 150	152.0127877 ± 0.0389372	0.9980	EXP 150 of 150	2.2875085 ± 0.0266792	0.1434	EXP 150 of 150	199.2210995 ± 0.0385589	0.9991	EXP 150 of 150	3017.237727 ± 0.131070	0.9999	EXP 150 of 150
14D29419	9.7 %	0.1400181 ± 0.0009257	0.8666	EXP 150 of 150	81.6062922 ± 0.0387659	0.9930	EXP 150 of 150	1.2514003 ± 0.0270729	0.1136	EXP 150 of 150	107.5797671 ± 0.0290629	0.9982	EXP 150 of 150	1638.500565 ± 0.102683	0.9998	EXP 150 of 150
14D29421	11.0 %	0.0912565 ± 0.0007453	0.8294	EXP 149 of 150	43.8124950 ± 0.0321279	0.9837	EXP 150 of 150	0.6757940 ± 0.0283563	0.0596	EXP 150 of 150	59.2365357 ± 0.0298949	0.9938	EXP 150 of 150	906.153656 ± 0.070215	0.9996	EXP 150 of 150
14D29422	12.4 %	0.0601421 ± 0.0007054	0.8240	EXP 150 of 150	23.7682034 ± 0.0304357	0.9519	EXP 150 of 150	0.3304238 ± 0.0263963	0.0126	EXP 150 of 150	31.8524516 ± 0.0310098	0.9762	EXP 150 of 150	491.660330 ± 0.061161	0.9978	EXP 150 of 150
14D29423	14.0 %	0.0484549 ± 0.0005746	0.8665	EXP 149 of 150	15.3700357 ± 0.0284987	0.9079	EXP 149 of 150	0.1921820 ± 0.0240228	0.0000	EXP 149 of 150	20.7019113 ± 0.0264953	0.9537	EXP 150 of 150	323.304158 ± 0.041104	0.9939	EXP 150 of 150
14D29425	15.8 %	0.0412630 ± 0.0005633	0.8529	EXP 150 of 150	10.5514392 ± 0.0313522	0.7634	EXP 150 of 150	0.0781991 ± 0.0271870	0.0061	EXP 150 of 150	14.1034846 ± 0.0239031	0.9163	EXP 150 of 150	222.093771 ± 0.046849	0.8770	EXP 150 of 150
14D29426	18.0 %	0.0398102 ± 0.0005563	0.8686	EXP 150 of 150	8.4013578 ± 0.0294518	0.7220	EXP 150 of 150	0.0668227 ± 0.0245106	0.0002	EXP 148 of 150	10.8885297 ± 0.0253837	0.8387	EXP 150 of 150	174.412829 ± 0.047022	0.9015	EXP 150 of 150
14D29428	20.5 %	0.0401634 ± 0.0005803	0.8288	EXP 150 of 150	6.4688226 ± 0.0308559	0.5728	EXP 150 of 150	0.0514922 ± 0.0274941	0.0002	EXP 150 of 150	8.4730148 ± 0.0255150	0.6966	EXP 150 of 150	138.273380 ± 0.033874	0.9862	EXP 150 of 150
14D29429	22.5 %	0.0341930 ± 0.0005712	0.8673	EXP 150 of 150	4.1940936 ± 0.0301452	0.3119	EXP 149 of 150	0.0041803 ± 0.0287067	0.0006	EXP 150 of 150	5.6278540 ± 0.0271779	0.4580	EXP 150 of 150	93.943942 ± 0.036328	0.9956	EXP 150 of 150
14D29431	24.5 %	0.0329016 ± 0.0005068	0.8726	EXP 150 of 150	3.7828731 ± 0.0287504	0.2522	EXP 150 of 150	0.0105084 ± 0.0260316	0.0017	EXP 150 of 150	5.0408258 ± 0.0286571	0.2721	EXP 150 of 150	85.587883 ± 0.037597	0.9950	EXP 150 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
14D29403	1.8 %	Susan Schnur	14-OSU-04	0.00	0.00	46.93	Walvis Ridge\MV1203 (13-INT-04)	14D29402	01
14D29405	2.0 %	Susan Schnur	14-OSU-04	0.00	0.00	46.93	Walvis Ridge\MV1203 (13-INT-04)	14D29402	01
14D29406	2.4 %	Susan Schnur	14-OSU-04	0.00	0.00	46.93	Walvis Ridge\MV1203 (13-INT-04)	14D29402	01
14D29407	2.8 %	Susan Schnur	14-OSU-04	0.00	0.00	46.93	Walvis Ridge\MV1203 (13-INT-04)	14D29402	01
14D29409	3.2 %	Susan Schnur	14-OSU-04	0.00	0.00	46.93	Walvis Ridge\MV1203 (13-INT-04)	14D29402	01
14D29410	3.6 %	Susan Schnur	14-OSU-04	0.00	0.00	46.93	Walvis Ridge\MV1203 (13-INT-04)	14D29402	01
14D29411	4.0 %	Susan Schnur	14-OSU-04	0.00	0.00	46.93	Walvis Ridge\MV1203 (13-INT-04)	14D29402	01
14D29413	4.5 %	Susan Schnur	14-OSU-04	0.00	0.00	46.93	Walvis Ridge\MV1203 (13-INT-04)	14D29402	01
14D29414	5.2 %	Susan Schnur	14-OSU-04	0.00	0.00	46.93	Walvis Ridge\MV1203 (13-INT-04)	14D29402	01
14D29415	6.1 %	Susan Schnur	14-OSU-04	0.00	0.00	46.93	Walvis Ridge\MV1203 (13-INT-04)	14D29402	01
14D29417	7.3 %	Susan Schnur	14-OSU-04	0.00	0.00	46.93	Walvis Ridge\MV1203 (13-INT-04)	14D29402	01
14D29418	8.5 %	Susan Schnur	14-OSU-04	0.00	0.00	46.93	Walvis Ridge\MV1203 (13-INT-04)	14D29402	01
14D29419	9.7 %	Susan Schnur	14-OSU-04	0.00	0.00	46.93	Walvis Ridge\MV1203 (13-INT-04)	14D29402	01
14D29421	11.0 %	Susan Schnur	14-OSU-04	0.00	0.00	46.93	Walvis Ridge\MV1203 (13-INT-04)	14D29402	01
14D29422	12.4 %	Susan Schnur	14-OSU-04	0.00	0.00	46.93	Walvis Ridge\MV1203 (13-INT-04)	14D29402	01
14D29423	14.0 %	Susan Schnur	14-OSU-04	0.00	0.00	46.93	Walvis Ridge\MV1203 (13-INT-04)	14D29402	01
14D29425	15.8 %	Susan Schnur	14-OSU-04	0.00	0.00	46.93	Walvis Ridge\MV1203 (13-INT-04)	14D29402	01
14D29426	18.0 %	Susan Schnur	14-OSU-04	0.00	0.00	46.93	Walvis Ridge\MV1203 (13-INT-04)	14D29402	01
14D29428	20.5 %	Susan Schnur	14-OSU-04	0.00	0.00	46.93	Walvis Ridge\MV1203 (13-INT-04)	14D29402	01
14D29429	22.5 %	Susan Schnur	14-OSU-04	0.00	0.00	46.93	Walvis Ridge\MV1203 (13-INT-04)	14D29402	01
14D29431	24.5 %	Susan Schnur	14-OSU-04	0.00	0.00	46.93	Walvis Ridge\MV1203 (13-INT-04)	14D29402	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
14D29403	1.8 %	MV1203-D61-06A	Plagioclase	Maybe Seamount	FCT-NM (4B33-14)	28.201	0.082	Kuiper et al 2008	9.9088	0.193	0.00158621	0.193	303.51	0.158	0.99339367	0.070	1	4.8E-14	31	OCT	2014	9	36	1
14D29405	2.0 %	MV1203-D61-06A	Plagioclase	Maybe Seamount	FCT-NM (4B33-14)	28.201	0.082	Kuiper et al 2008	9.9088	0.193	0.00158621	0.193	303.51	0.158	0.99339367	0.070	1	4.8E-14	31	OCT	2014	10	1	1
14D29406	2.4 %	MV1203-D61-06A	Plagioclase	Maybe Seamount	FCT-NM (4B33-14)	28.201	0.082	Kuiper et al 2008	9.9088	0.193	0.00158621	0.193	303.51	0.158	0.99339367	0.070	1	4.8E-14	31	OCT	2014	10	13	1
14D29407	2.8 %	MV1203-D61-06A	Plagioclase	Maybe Seamount	FCT-NM (4B33-14)	28.201	0.082	Kuiper et al 2008	9.9088	0.193	0.00158621	0.193	303.51	0.158	0.99339367	0.070	1	4.8E-14	31	OCT	2014	10	26	1
14D29409	3.2 %	MV1203-D61-06A	Plagioclase	Maybe Seamount	FCT-NM (4B33-14)	28.201	0.082	Kuiper et al 2008	9.9088	0.193	0.00158621	0.193	303.51	0.158	0.99339367	0.070	1	4.8E-14	31	OCT	2014	10	50	1
14D29410	3.6 %	MV1203-D61-06A	Plagioclase	Maybe Seamount	FCT-NM (4B33-14)	28.201	0.082	Kuiper et al 2008	9.9088	0.193	0.00158621	0.193	303.51	0.158	0.99339367	0.070	1	4.8E-14	31	OCT	2014	11	3	1
14D29411	4.0 %	MV1203-D61-06A	Plagioclase	Maybe Seamount	FCT-NM (4B33-14)	28.201	0.082	Kuiper et al 2008	9.9088	0.193	0.00158621	0.193	303.51	0.158	0.99339367	0.070	1	4.8E-14	31	OCT	2014	11	15	1
14D29413	4.5 %	MV1203-D61-06A	Plagioclase	Maybe Seamount	FCT-NM (4B33-14)	28.201	0.082	Kuiper et al 2008	9.9088	0.193	0.00158621	0.193	303.51	0.158	0.99339367	0.070	1	4.8E-14	31	OCT	2014	11	40	1
14D29414	5.2 %	MV1203-D61-06A	Plagioclase	Maybe Seamount	FCT-NM (4B33-14)	28.201	0.082	Kuiper et al 2008	9.9088	0.193	0.00158621	0.193	303.51	0.158	0.99339367	0.070	1	4.8E-14	31	OCT	2014	11	53	1
14D29415	6.1 %	MV1203-D61-06A	Plagioclase	Maybe Seamount	FCT-NM (4B33-14)	28.201	0.082	Kuiper et al 2008	9.9088	0.193	0.00158621	0.193	303.51	0.158	0.99339367	0.070	1	4.8E-14	31	OCT	2014	12	5	1
14D29417	7.3 %	MV1203-D61-06A	Plagioclase	Maybe Seamount	FCT-NM (4B33-14)	28.201	0.082	Kuiper et al 2008	9.9088	0.193	0.00158621	0.193	303.51	0.158	0.99339367	0.070	1	4.8E-14	31	OCT	2014	12	30	1
14D29418	8.5 %	MV1203-D61-06A	Plagioclase	Maybe Seamount	FCT-NM (4B33-14)	28.201	0.082	Kuiper et al 2008	9.9088	0.193	0.00158621	0.193	303.51	0.158	0.99339367	0.070	1	4.8E-14	31	OCT	2014	12	42	1
14D29419	9.7 %	MV1203-D61-06A	Plagioclase	Maybe Seamount	FCT-NM (4B33-14)	28.201	0.082	Kuiper et al 2008	9.9088	0.193	0.00158621	0.193	303.51	0.158	0.99339367	0.070	1	4.8E-14	31	OCT	2014	12	55	1
14D29421	11.0 %	MV1203-D61-06A	Plagioclase	Maybe Seamount	FCT-NM (4B33-14)	28.201	0.082	Kuiper et al 2008	9.9088	0.193	0.00158621	0.193	303.51	0.158	0.99339367	0.070	1	4.8E-14	31	OCT	2014	13	20	1
14D29422	12.4 %	MV1203-D61-06A	Plagioclase	Maybe Seamount	FCT-NM (4B33-14)	28.201	0.082	Kuiper et al 2008	9.9088	0.193	0.00158621	0.193	303.51	0.158	0.99339367	0.070	1	4.8E-14	31	OCT	2014	13	32	1
14D29423	14.0 %	MV1203-D61-06A	Plagioclase	Maybe Seamount	FCT-NM (4B33-14)	28.201	0.082	Kuiper et al 2008	9.9088	0.193	0.00158621	0.193	303.51	0.158	0.99339367	0.070	1	4.8E-14	31	OCT	2014	13	44	1
14D29425	15.8 %	MV1203-D61-06A	Plagioclase	Maybe Seamount	FCT-NM (4B33-14)	28.201	0.082	Kuiper et al 2008	9.9088	0.193	0.00158621	0.193	303.51	0.158	0.99339367	0.070	1	4.8E-14	31	OCT	2014	14	9	1
14D29426	18.0 %	MV1203-D61-06A	Plagioclase	Maybe Seamount	FCT-NM (4B33-14)	28.201	0.082	Kuiper et al 2008	9.9088	0.193	0.00158621	0.193	303.51	0.158	0.99339367	0.070	1	4.8E-14	31	OCT	2014	14	22	1
14D29428	20.5 %	MV1203-D61-06A	Plagioclase	Maybe Seamount	FCT-NM (4B33-14)	28.201	0.082	Kuiper et al 2008	9.9088	0.193	0.00158621	0.193	303.51	0.158	0.99339367	0.070	1	4.8E-14	31	OCT	2014	14	47	1
14D29429	22.5 %	MV1203-D61-06A	Plagioclase	Maybe Seamount	FCT-NM (4B33-14)	28.201	0.082	Kuiper et al 2008	9.9088	0.193	0.00158621	0.193	303.51	0.158	0.99339367	0.070	1	4.8E-14	31	OCT	2014	14	59	1
14D29431	24.5 %	MV1203-D61-06A	Plagioclase	Maybe Seamount	FCT-NM (4B33-14)	28.201	0.082	Kuiper et al 2008	9.9088	0.193	0.00158621	0.193	303.51	0.158	0.99339367	0.070	1	4.8E-14	31	OCT	2014	15	24	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
14D29403	1.8 %	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
14D29405	2.0 %	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
14D29406	2.4 %	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
14D29407	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
14D29409	3.2 %	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
14D29410	3.6 %	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
14D29411	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
14D29413	4.5 %	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
14D29414	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
14D29415	6.1 %	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
14D29417	7.3 %	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
14D29418	8.5 %	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
14D29419	9.7 %	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
14D29421	11.0 %	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
14D29422	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
14D29423	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
14D29425	15.8 %	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
14D29426	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
14D29428	20.5 %	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
14D29429	22.5 %	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
14D29431	24.5 %	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

14D29402.AGE >>> MV1203-D61-06A >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
42.47 ± 0.17
TOTAL FUSION
42.53 ± 0.16
NORMAL ISOCHRON
42.52 ± 0.17
INVERSE ISOCHRON
42.48 ± 0.17

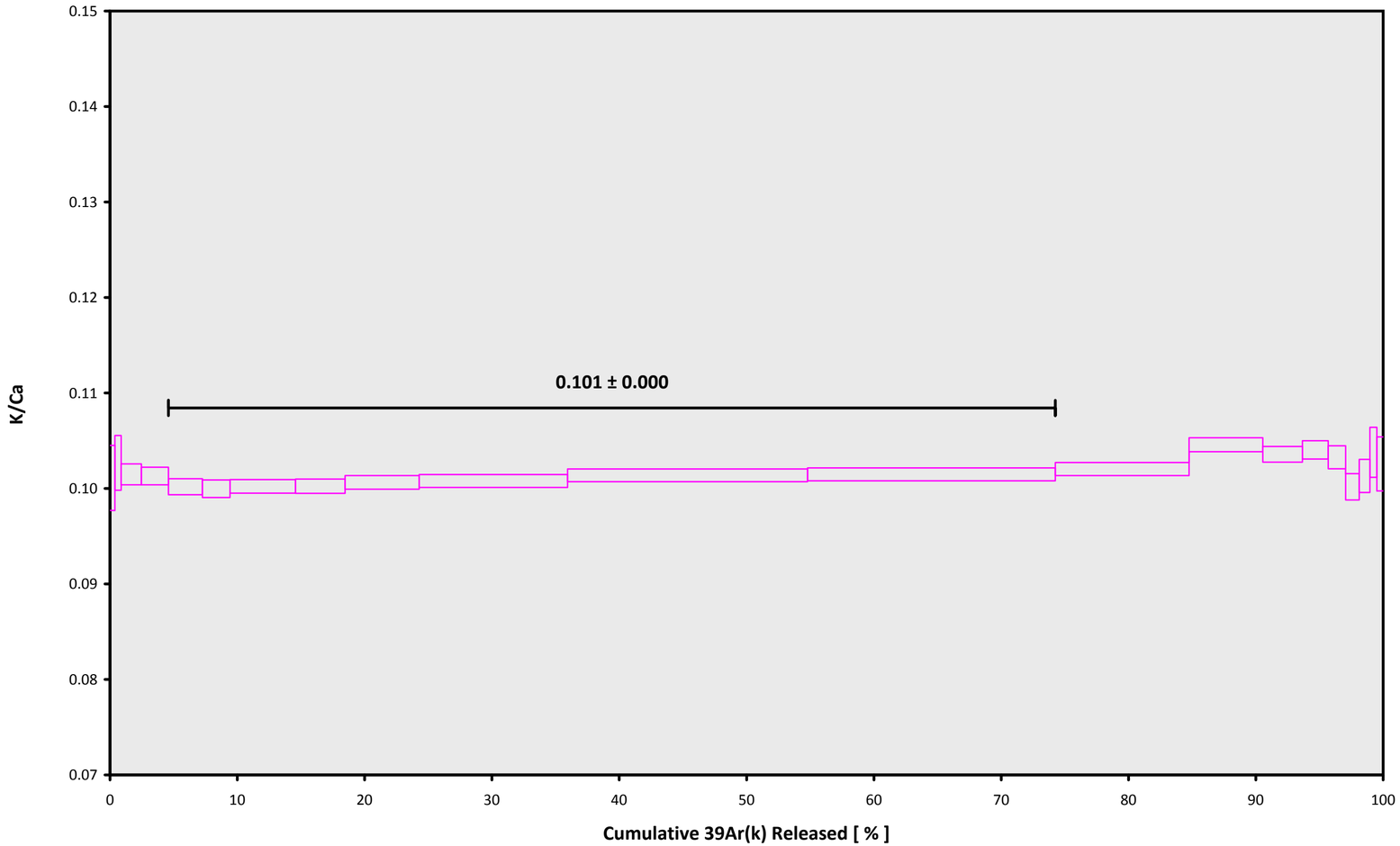
MSWD (PROBABILITY)
1.20 (30%)

Sample Info

Plagioclase
Maybe Seamount
Susan Schnur

IRR = 14-OSU-04 (4B33-14)
J = 0.00158621 ± 0.00000306

14D29402.AGE >>> MV1203-D61-06A >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

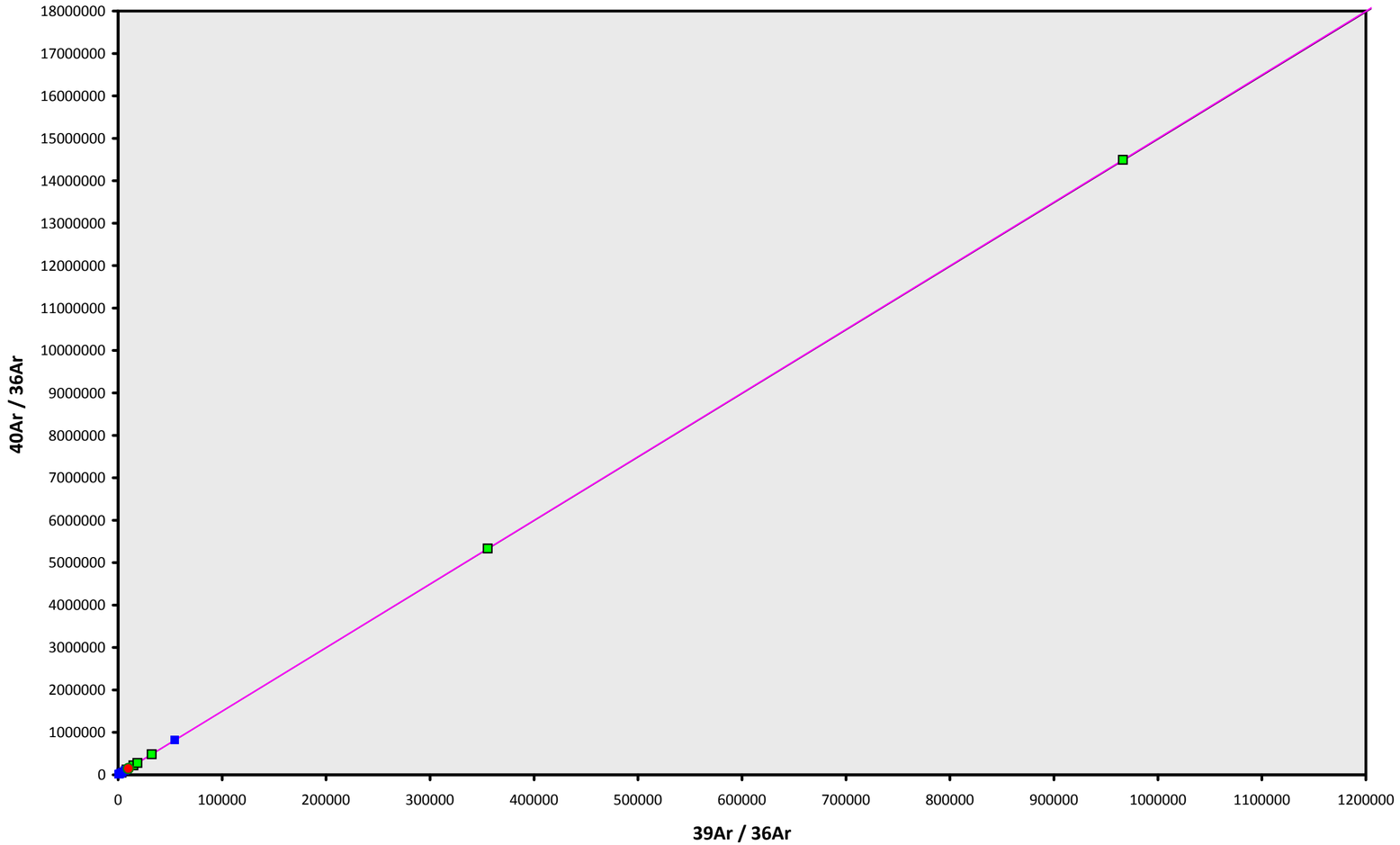
WEIGHTED PLATEAU
42.47 ± 0.17
TOTAL FUSION
42.53 ± 0.16
NORMAL ISOCHRON
42.52 ± 0.17
INVERSE ISOCHRON
42.48 ± 0.17

Sample Info

Plagioclase
Maybe Seamount
Susan Schnur

IRR = 14-OSU-04 (4B33-14)
J = 0.00158621 ± 0.00000306

14D29402.AGE >>> MV1203-D61-06A >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
42.47 ± 0.17
TOTAL FUSION
42.53 ± 0.16
NORMAL ISOCHRON
42.52 ± 0.17
INVERSE ISOCHRON
42.48 ± 0.17

MSWD (PROBABILITY)
1.33 (24%)

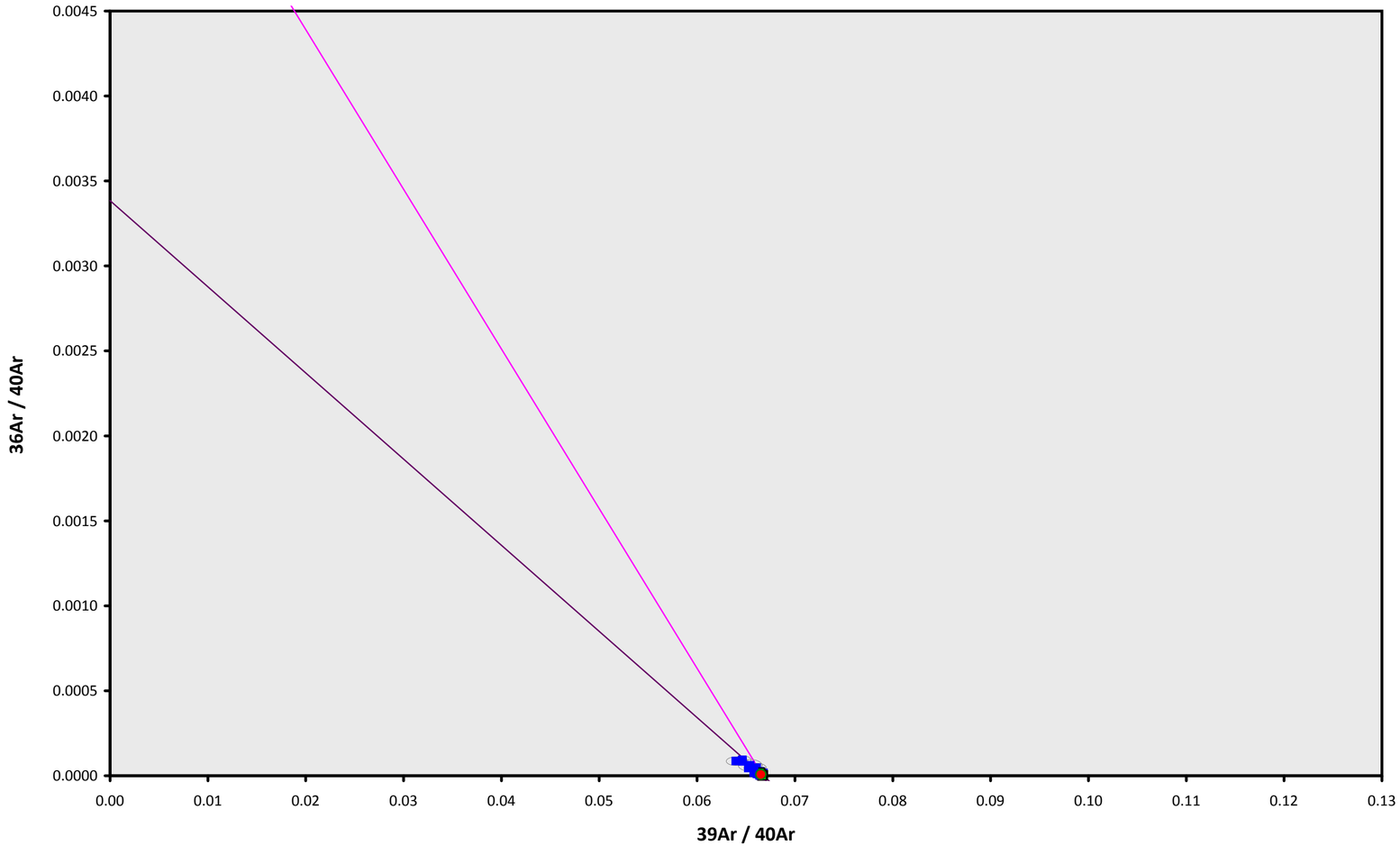
40AR/36AR INTERCEPT
78.8 ± 200.3

Sample Info

Plagioclase
Maybe Seamount
Susan Schnur

IRR = 14-OSU-04 (4B33-14)
J = 0.00158621 ± 0.00000306

14D29402.AGE >>> MV1203-D61-06A >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
42.47 ± 0.17
TOTAL FUSION
42.53 ± 0.16
NORMAL ISOCHRON
42.52 ± 0.17
INVERSE ISOCHRON
42.48 ± 0.17

MSWD (PROBABILITY)
0.99 (43%)

SPREADING FACTOR
0.4%

40AR/36AR INTERCEPT
159.5 ± 103.8

Sample Info

Plagioclase
Maybe Seamount
Susan Schnur

IRR = 14-OSU-04 (4B33-14)
J = 0.00158621 ± 0.00000306