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
14D30841	1.8 %	✓	0.0101894	8.807	2.820731	9.597	0.821209	4.484	70.1194	0.090	1007.148	0.010	14.32012 ± 0.02710	40.98 ± 0.08	99.70	2.60	10.7 ± 2.1
14D30843	2.0 %	✓	0.0083400	10.560	2.556924	11.863	0.838220	4.491	68.2376	0.092	979.443	0.011	14.31681 ± 0.02768	40.97 ± 0.08	99.74	2.53	11.5 ± 2.7
14D30844	2.4 %	✓	0.0107554	8.501	4.664848	6.102	1.369791	2.850	113.3661	0.080	1626.433	0.007	14.31851 ± 0.02358	40.97 ± 0.07	99.80	4.21	10.4 ± 1.3
14D30845	2.8 %	✓	0.0130345	7.201	5.617535	5.095	1.728745	2.197	138.9883	0.077	1991.107	0.007	14.29777 ± 0.02254	40.91 ± 0.06	99.80	5.16	10.6 ± 1.1
14D30847	3.2 %	✓	0.0154584	6.200	7.210847	4.043	2.285586	1.695	191.6233	0.075	2750.273	0.006	14.32816 ± 0.02189	41.00 ± 0.06	99.83	7.12	11.4 ± 0.9
14D30848	3.6 %	✓	0.0161798	6.524	8.498561	3.340	2.650555	1.472	224.7224	0.074	3221.607	0.005	14.31418 ± 0.02156	40.96 ± 0.06	99.85	8.34	11.4 ± 0.8
14D30849	4.0 %	✓	0.0187683	5.566	10.160677	2.683	3.147366	1.176	263.5441	0.074	3778.895	0.005	14.31730 ± 0.02129	40.97 ± 0.06	99.85	9.79	11.2 ± 0.6
14D30851	4.5 %	✓	0.0256871	4.123	12.760399	2.211	4.098033	0.938	341.3474	0.073	4899.421	0.004	14.33043 ± 0.02104	41.01 ± 0.06	99.84	12.68	11.5 ± 0.5
14D30852	5.0 %	✓	0.0335987	3.113	11.401889	2.729	3.645943	1.019	306.9300	0.073	4411.882	0.004	14.34134 ± 0.02117	41.04 ± 0.06	99.77	11.40	11.6 ± 0.6
14D30853	5.5 %		0.0231416	4.971	10.198329	2.766	3.344714	1.181	281.6889	0.074	4052.192	0.005	14.36045 ± 0.02144	41.09 ± 0.06	99.82	10.46	11.9 ± 0.7
14D30855	6.0 %		0.0132759	7.477	6.865041	4.367	2.209656	1.804	183.7547	0.076	2640.518	0.005	14.34793 ± 0.02212	41.06 ± 0.06	99.85	6.82	11.5 ± 1.0
14D30856	6.7 %		0.0060577	15.723	4.576342	6.230	1.452633	2.563	122.8218	0.080	1764.857	0.007	14.35415 ± 0.02350	41.07 ± 0.07	99.89	4.56	11.5 ± 1.4
14D30857	7.4 %		0.0042410	20.710	1.966496	14.681	0.604633	6.162	54.6038	0.099	787.917	0.013	14.40610 ± 0.03024	41.22 ± 0.09	99.83	2.03	11.9 ± 3.5
14D30859	8.3 %		0.0018874	45.626	0.782385	36.420	0.322317	12.536	26.4197	0.162	381.406	0.022	14.41409 ± 0.05080	41.24 ± 0.14	99.84	0.98	14.5 ± 10.6
14D30860	9.5 %		0.0011067	76.802	0.252397	110.115	0.264760	13.988	19.8952	0.188	287.831	0.029	14.44834 ± 0.06053	41.34 ± 0.17	99.87	0.74	33.9 ± 74.6
14D30861	11.0 %		0.0071241	12.838	1.572829	17.613	0.608667	6.167	50.5967	0.102	731.080	0.013	14.40648 ± 0.03147	41.22 ± 0.09	99.70	1.88	13.8 ± 4.9
14D30863	13.0 %		0.0046018	19.094	3.249999	8.930	1.034742	3.546	84.5116	0.085	1221.481	0.008	14.43692 ± 0.02546	41.31 ± 0.07	99.88	3.14	11.2 ± 2.0
14D30864	15.5 %		0.0017178	49.621	1.081226	26.440	0.600762	6.776	45.5261	0.111	659.512	0.014	14.47365 ± 0.03437	41.41 ± 0.10	99.91	1.69	18.1 ± 9.6
14D30866	18.5 %		0.0016498	52.299	1.779036	15.882	0.668888	5.546	55.8768	0.099	806.922	0.013	14.43137 ± 0.03023	41.29 ± 0.09	99.93	2.07	13.5 ± 4.3
14D30867	21.5 %		0.0003731	230.686	0.948294	29.846	0.282553	13.805	24.2147	0.171	350.269	0.024	14.46021 ± 0.05434	41.37 ± 0.15	99.96	0.90	11.0 ± 6.6
14D30869	24.5 %		0.0012315	68.949	0.787948	36.755	0.244243	16.235	24.1108	0.172	350.211	0.024	14.50909 ± 0.05452	41.51 ± 0.15	99.89	0.90	13.2 ± 9.7
		Σ	0.2184200	1.976	99.752733	1.316	32.224015	0.545	2692.8993	0.021	38700.408	0.002					

Information on Analysis and Constants Used in Calculations

Project = **MV1203 (13-INT-04)**
Sample = **MV1203-D60-04**
Material = **Alkali-Feldspar**
Location = **Contest Seamount**
Region = **Walvis Ridge**
Analyst = **Susan Schnur**
Irradiation = **14-OSU-04 (4B30-14)**
Position = **X: 0 | Y: 0 | Z/H: 43.98 mm**
FCT-NM Age = **28.201 ± 0.023 Ma**
FCT-NM Reference = **Kuiper et al (2008)**
FCT-NM 40Ar/39Ar Ratio = **9.82053 ± 0.01915**
FCT-NM J-value = **0.00160046 ± 0.00000312**
Air Shot 40Ar/36Ar = **303.5990 ± 0.5131**
Air Shot MDF = **0.99332222 ± 0.00070921 (LIN)**
Experiment Type = **Incremental Heating**
Extraction Method = **Bulk Laser Heating**
Heating = **77 sec**
Isolation = **6.00 min**
Instrument = **ARGUS-VI-D**
Preferred Age = **Plateau Age**
Age Classification = **Eruption Age**
IGSN = **IESS10041**
Rock Class = **Igneous>Volcanic>Mafic**
Lithology = **Trachyte**
Lat-Lon = **36°17.3'S - 1°34.4'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		14.32111 ± 0.00841	**40.98 ± 0.16**	1.23	63.83	11.3 ± 0.3
		± 0.06%	**± 0.39%**	28%	9	
		Full External Error ± 0.93		2.00	2σ Confidence Limit	
		Analytical Error ± 0.02		1.1088	Error Magnification	
Total Fusion Age		14.34677 ± 0.00615	**41.05 ± 0.16**		21	11.6 ± 0.3
		± 0.04%	**± 0.39%**			
		Full External Error ± 0.94				
		Analytical Error ± 0.02				
Normal Isochron	**333.42 ± 409.22**	14.31793 ± 0.03483	**40.97 ± 0.19**	1.40	63.83	
	**######## **	± 0.24%	**± 0.45%**	20%	9	
		Full External Error ± 0.94		2.07	2σ Confidence Limit	
		Analytical Error ± 0.10		1.1828	Error Magnification	
				1	Number of Iterations	
				0.0000002623	Convergence	
Inverse Isochron	**379.60 ± 240.93**	14.31430 ± 0.03488	**40.96 ± 0.19**	1.38	63.83	
Clustered Points	**± 63.47%**	± 0.24%	**± 0.45%**	21%	9	
		Full External Error ± 0.94		2.07	2σ Confidence Limit	
		Analytical Error ± 0.10		1.1730	Error Magnification	
Notes				6	Number of Iterations	
Relatively few steps in plateau, but fine.				0.0001444489	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
14D30841	1.8 %	✓	0.0094382	2.820731	0.0000000	70.1175	1004.091	40.98 ± 0.08	99.70	2.60	10.7 ± 2.1
14D30843	2.0 %	✓	0.0076566	2.556924	0.0156595	68.2358	976.920	40.97 ± 0.08	99.74	2.53	11.5 ± 2.7
14D30844	2.4 %	✓	0.0095126	4.664848	0.0038080	113.3630	1623.189	40.97 ± 0.07	99.80	4.21	10.4 ± 1.3
14D30845	2.8 %	✓	0.0115301	5.617535	0.0540639	138.9845	1987.168	40.91 ± 0.06	99.80	5.16	10.6 ± 1.1
14D30847	3.2 %	✓	0.0135382	7.210847	0.0000000	191.6184	2745.540	41.00 ± 0.06	99.83	7.12	11.4 ± 0.9
14D30848	3.6 %	✓	0.0139166	8.498561	0.0000000	224.7167	3216.635	40.96 ± 0.06	99.85	8.34	11.4 ± 0.8
14D30849	4.0 %	✓	0.0160625	10.160677	0.0000000	263.5372	3773.141	40.97 ± 0.06	99.85	9.79	11.2 ± 0.6
14D30851	4.5 %	✓	0.0222890	12.760399	0.0000000	341.3387	4891.530	41.01 ± 0.06	99.84	12.68	11.5 ± 0.5
14D30852	5.0 %	✓	0.0305624	11.401889	0.0000000	306.9222	4401.678	41.04 ± 0.06	99.77	11.40	11.6 ± 0.6
14D30853	5.5 %		0.0204258	10.198329	0.0000000	281.6820	4045.080	41.09 ± 0.06	99.82	10.46	11.9 ± 0.7
14D30855	6.0 %		0.0114477	6.865041	0.0000000	183.7500	2636.433	41.06 ± 0.06	99.85	6.82	11.5 ± 1.0
14D30856	6.7 %		0.0048390	4.576342	0.0000000	122.8187	1762.958	41.07 ± 0.07	99.89	4.56	11.5 ± 1.4
14D30857	7.4 %		0.0037173	1.966496	0.0000000	54.6025	786.609	41.22 ± 0.09	99.83	2.03	11.9 ± 3.5
14D30859	8.3 %		0.0016784	0.782385	0.0040982	26.4192	380.809	41.24 ± 0.14	99.84	0.98	14.5 ± 10.6
14D30860	9.5 %		0.0010355	0.252397	0.0251915	19.8950	287.449	41.34 ± 0.17	99.87	0.74	33.9 ± 74.6
14D30861	11.0 %		0.0067053	1.572829	0.0000000	50.5957	728.906	41.22 ± 0.09	99.70	1.88	13.8 ± 4.9
14D30863	13.0 %		0.0037337	3.249999	0.0170785	84.5094	1220.055	41.31 ± 0.07	99.88	3.14	11.2 ± 2.0
14D30864	15.5 %		0.0014216	1.081226	0.0527032	45.5254	658.918	41.41 ± 0.10	99.91	1.69	18.1 ± 9.6
14D30866	18.5 %		0.0011761	1.779036	0.0000000	55.8756	806.361	41.29 ± 0.09	99.93	2.07	13.5 ± 4.3
14D30867	21.5 %		0.0001205	0.948294	0.0000000	24.2141	350.141	41.37 ± 0.15	99.96	0.90	11.0 ± 6.6
14D30869	24.5 %		0.0010216	0.787948	0.0000000	24.1102	349.817	41.51 ± 0.15	99.89	0.90	13.2 ± 9.7
		Σ	0.1918288	99.752733	0.1726028	2692.8319	38633.428				

Information on Analysis

Project = **MV1203 (13-INT-04)**
Sample = **MV1203-D60-04**
Material = **Alkali-Feldspar**
Location = **Contest Seamount**
Region = **Walvis Ridge**
Analyst = **Susan Schnur**
Irradiation = **14-OSU-04 (4B30-14)**
J = **0.00160046 ± 0.00000312**
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	14.32111	± 0.00841	**40.98**	**± 0.16**	1.23	63.83	
		± 0.06%		**± 0.39%**	28%	9	11.3 ± 0.3
			Full External Error	± 0.93	2.00	2σ Confidence Limit	
			Analytical Error	± 0.02	1.1088	Error Magnification	
Total Fusion Age	14.34677	± 0.00615	**41.05**	**± 0.16**		21	
		± 0.04%		**± 0.39%**			11.6 ± 0.3
			Full External Error	± 0.94			
			Analytical Error	± 0.02			

Normal Isochron			39(k)/36(a) ± 2σ		40(a+r)/36(a) ± 2σ		r.i.
14D30841	1.8 %	✓	7429.13	± 1417.34	106681.48	± 20351.92	1.0000
14D30843	2.0 %	✓	8911.97	± 2058.94	127886.57	± 29544.77	1.0000
14D30844	2.4 %	✓	11917.17	± 2298.86	170931.61	± 32972.08	1.0000
14D30845	2.8 %	✓	12054.04	± 1969.19	172641.28	± 28201.97	1.0000
14D30847	3.2 %	✓	14153.95	± 2010.73	203095.59	± 28850.41	0.9999
14D30848	3.6 %	✓	16147.35	± 2455.79	231431.51	± 35195.83	1.0000
14D30849	4.0 %	✓	16407.01	± 2139.42	235199.55	± 30667.26	0.9999
14D30851	4.5 %	✓	15314.22	± 1459.27	219754.77	± 20937.74	0.9999
14D30852	5.0 %	✓	10042.48	± 689.60	144318.15	± 9907.85	0.9998
14D30853	5.5 %		13790.50	± 1556.68	198333.33	± 22386.12	0.9999
14D30855	6.0 %		16051.22	± 2792.68	230597.37	± 40119.01	1.0000
14D30856	6.7 %		25380.92	± 10022.95	364616.95	± 143986.34	1.0000
14D30857	7.4 %		14688.64	± 6967.58	211901.57	± 100514.99	1.0000
14D30859	8.3 %		15740.76	± 16215.36	227184.29	± 234033.02	1.0000
14D30860	9.5 %		19212.11	± 31658.70	277878.49	± 457901.37	1.0000
14D30861	11.0 %		7545.66	± 2065.21	109001.97	± 29832.45	1.0000
14D30863	13.0 %		22634.22	± 10694.68	327063.87	± 154536.78	1.0000
14D30864	15.5 %		32023.26	± 38556.01	463789.16	± 558401.21	1.0000
14D30866	18.5 %		47510.67	± 69978.68	685939.34	± 1010322.33	1.0000
14D30867	21.5 %		200881.45	± 2879460.17	2905082.71	± 41641821.95	1.0000
14D30869	24.5 %		23599.83	± 39389.22	342707.55	± 571993.62	1.0000

Results	40(a)/36(a) ± 2σ		40(r)/39(k) ± 2σ		Age ± 2σ (Ma)		MSWD
Normal Isochron	**333.42**	**± 409.22**	14.31793	± 0.03483	**40.97**	**± 0.19**	1.40
		± 122.74%		± 0.24%		**± 0.45%**	20%
					Full External Error	± 0.94	
					Analytical Error	± 0.10	

Statistics				
	2σ Confidence Limit	2.07	Convergence	0.000000262328
	Error Magnification	1.1828	Number of Iterations	1
	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.
14D30841	1.8 %	✓	0.0696384	± 0.0001265	0.00000937	± 0.00000179	0.0001
14D30843	2.0 %	✓	0.0696866	± 0.0001294	0.00000782	± 0.00000181	0.0001
14D30844	2.4 %	✓	0.0697189	± 0.0001124	0.00000585	± 0.00000113	0.0001
14D30845	2.8 %	✓	0.0698213	± 0.0001083	0.00000579	± 0.00000095	0.0001
14D30847	3.2 %	✓	0.0696911	± 0.0001055	0.00000492	± 0.00000070	0.0001
14D30848	3.6 %	✓	0.0697716	± 0.0001042	0.00000432	± 0.00000066	0.0001
14D30849	4.0 %	✓	0.0697578	± 0.0001031	0.00000425	± 0.00000055	0.0001
14D30851	4.5 %	✓	0.0696878	± 0.0001019	0.00000455	± 0.00000043	0.0000
14D30852	5.0 %	✓	0.0695857	± 0.0001023	0.00000693	± 0.00000048	0.0001
14D30853	5.5 %		0.0695320	± 0.0001032	0.00000504	± 0.00000057	0.0001
14D30855	6.0 %		0.0696071	± 0.0001062	0.00000434	± 0.00000075	0.0000
14D30856	6.7 %		0.0696098	± 0.0001118	0.00000274	± 0.00000108	0.0000
14D30857	7.4 %		0.0693182	± 0.0001381	0.00000472	± 0.00000224	0.0001
14D30859	8.3 %		0.0692863	± 0.0002258	0.00000440	± 0.00000453	0.0001
14D30860	9.5 %		0.0691385	± 0.0002630	0.00000360	± 0.00000593	0.0001
14D30861	11.0 %		0.0692250	± 0.0001422	0.00000917	± 0.00000251	0.0001
14D30863	13.0 %		0.0692043	± 0.0001184	0.00000306	± 0.00000144	0.0000
14D30864	15.5 %		0.0690470	± 0.0001552	0.00000216	± 0.00000260	0.0000
14D30866	18.5 %		0.0692637	± 0.0001382	0.00000146	± 0.00000215	0.0000
14D30867	21.5 %		0.0691483	± 0.0002395	0.00000034	± 0.00000493	0.0000
14D30869	24.5 %		0.0688629	± 0.0002390	0.00000292	± 0.00000487	0.0000

Results	40(a)/36(a) ± 2σ		40(r)/39(k) ± 2σ		Age ± 2σ (Ma)		MSWD
Inverse Isochron	**379.60**	**± 240.93**	14.31430	± 0.03488	**40.96**	**± 0.19**	1.38
Clustered Points		**± 63.47%**		± 0.24%		**± 0.45%**	21%
					Full External Error	± 0.94	
					Analytical Error	± 0.10	

Statistics				
	2σ Confidence Limit	2.07	Convergence	0.0001444489
	Error Magnification	1.1730	Number of Iterations	6
	Number of Data Points	9	Calculated Line	Weighted York-2
	Spreading Factor	0.3%		

Degassing Patterns			36Ar(a) [fA]	%1σ	36Ar(c) [fA]	%1σ	36Ar(ca) [fA]	%1σ	36Ar(cl) [fA]	%1σ	37Ar(ca) [fA]	%1σ	38Ar(a) [fA]	%1σ	38Ar(c) [fA]	%1σ	38Ar(k) [fA]	%1σ	38Ar(ca) [fA]	%1σ	38Ar(cl) [fA]	%1σ	39Ar(k) [fA]	%1σ	39Ar(ca) [fA]	%1σ	40Ar(r) [fA]	%1σ	40Ar(a) [fA]	%1σ	40Ar(c) [fA]	%1σ	40Ar(k) [fA]	%1σ
14D30841	1.8 %	✓	0.0094382	9.54	0.0000000	0.00	0.0007512	9.60	0.0000000	0.00	2.820731	9.60	0.0017640	9.54	0.0000000	0.00	0.843584	0.18	0.0002025	16.01	0.0000000	0.00	70.1175	0.09	0.0019057	9.69	1004.091	0.03	2.788985	9.54	0.0000000	0.00	0.268059	2.66
14D30843	2.0 %	✓	0.0076566	11.55	0.0000000	0.00	0.0006809	11.86	0.0000024	240.57	2.556924	11.86	0.0014310	11.55	0.0000000	0.00	0.820945	0.18	0.0001836	17.47	0.0156595	240.58	68.2358	0.09	0.0017275	11.94	976.920	0.03	2.262539	11.55	0.0000000	0.00	0.260866	2.66
14D30844	2.4 %	✓	0.0095126	9.64	0.0000000	0.00	0.0012422	6.10	0.0000006	######	4.664848	6.10	0.0017779	9.64	0.0000000	0.00	1.363870	0.18	0.0003349	14.20	0.0038080	######	113.3630	0.08	0.0031516	6.24	1623.189	0.02	2.810966	9.64	0.0000000	0.00	0.433387	2.66
14D30845	2.8 %	✓	0.0115301	8.17	0.0000000	0.00	0.0014959	5.10	0.0000085	70.49	5.617535	5.09	0.0021550	8.17	0.0000000	0.00	1.672123	0.18	0.0004033	13.80	0.0540639	70.49	138.9845	0.08	0.0037952	5.26	1987.168	0.02	3.407152	8.17	0.0000000	0.00	0.531338	2.66
14D30847	3.2 %	✓	0.0135382	7.10	0.0000000	0.00	0.0019202	4.05	0.0000000	0.00	7.210847	4.04	0.0025303	7.10	0.0000000	0.00	2.305361	0.18	0.0005177	13.44	0.0000000	0.00	191.6184	0.08	0.0048716	4.25	2745.540	0.01	4.000526	7.10	0.0000000	0.00	0.732557	2.66
14D30848	3.6 %	✓	0.0139166	7.60	0.0000000	0.00	0.0022632	3.34	0.0000000	0.00	8.498561	3.34	0.0026010	7.60	0.0000000	0.00	2.703567	0.18	0.0006102	13.25	0.0000000	0.00	224.7167	0.07	0.0057416	3.59	3216.635	0.01	4.112365	7.60	0.0000000	0.00	0.859092	2.66
14D30849	4.0 %	✓	0.0160625	6.52	0.0000000	0.00	0.0027058	2.69	0.0000000	0.00	10.160677	2.68	0.0030021	6.52	0.0000000	0.00	3.170617	0.18	0.0007295	13.10	0.0000000	0.00	263.5372	0.07	0.0068646	2.99	3773.141	0.01	4.746462	6.52	0.0000000	0.00	1.007503	2.66
14D30851	4.5 %	✓	0.0222890	4.76	0.0000000	0.00	0.0033981	2.22	0.0000000	0.00	12.760399	2.21	0.0041658	4.76	0.0000000	0.00	4.106646	0.18	0.0009162	13.01	0.0000000	0.00	341.3387	0.07	0.0086209	2.57	4891.530	0.01	6.586402	4.76	0.0000000	0.00	1.304938	2.66
14D30852	5.0 %	✓	0.0305624	3.43	0.0000000	0.00	0.0030363	2.73	0.0000000	0.00	11.401889	2.73	0.0057121	3.43	0.0000000	0.00	3.692582	0.18	0.0008187	13.11	0.0000000	0.00	306.9222	0.07	0.0077031	3.03	4401.678	0.01	9.031189	3.43	0.0000000	0.00	1.173364	2.66
14D30853	5.5 %		0.0204258	5.64	0.0000000	0.00	0.0027158	2.77	0.0000000	0.00	10.198329	2.77	0.0038176	5.64	0.0000000	0.00	3.388916	0.18	0.0007322	13.12	0.0000000	0.00	281.6820	0.07	0.0068900	3.06	4045.080	0.01	6.035822	5.64	0.0000000	0.00	1.076870	2.66
14D30855	6.0 %		0.0114477	8.70	0.0000000	0.00	0.0018282	4.37	0.0000000	0.00	6.865041	4.37	0.0021396	8.70	0.0000000	0.00	2.210697	0.18	0.0004929	13.54	0.0000000	0.00	183.7500	0.08	0.0046380	4.56	2636.433	0.01	3.382803	8.70	0.0000000	0.00	0.702476	2.66
14D30856	6.7 %		0.0048390	19.74	0.0000000	0.00	0.0012187	6.23	0.0000000	0.00	4.576342	6.23	0.0009044	19.74	0.0000000	0.00	1.477632	0.18	0.0003286	14.25	0.0000000	0.00	122.8187	0.08	0.0030918	6.37	1762.958	0.02	1.429930	19.74	0.0000000	0.00	0.469536	2.66
14D30857	7.4 %		0.0037173	23.72	0.0000000	0.00	0.0005237	14.68	0.0000000	0.00	1.966496	14.68	0.0006948	23.72	0.0000000	0.00	0.656923	0.19	0.0001412	19.49	0.0000000	0.00	54.6025	0.10	0.0013286	14.74	786.609	0.04	1.098471	23.72	0.0000000	0.00	0.208745	2.66
14D30859	8.3 %		0.0016784	51.51	0.0000000	0.00	0.0002083	36.42	0.0000006	986.17	0.782385	36.42	0.0003137	51.51	0.0000000	0.00	0.317849	0.23	0.0000562	38.61	0.0040982	986.17	26.4192	0.16	0.0005286	36.44	380.809	0.07	0.495965	51.51	0.0000000	0.00	0.101001	2.66
14D30860	9.5 %		0.0010355	82.39	0.0000000	0.00	0.0000672	110.11	0.0000039	147.04	0.252397	110.11	0.0001935	82.39	0.0000000	0.00	0.239357	0.25	0.0000181	110.86	0.0251915	147.05	19.8950	0.19	0.0001705	110.12	287.449	0.09	0.306003	82.39	0.0000000	0.00	0.076059	2.67
14D30861	11.0 %		0.0067053	13.68	0.0000000	0.00	0.0004188	17.61	0.0000000	0.00	1.572829	17.61	0.0012532	13.68	0.0000000	0.00	0.608717	0.19	0.0001129	21.78	0.0000000	0.00	50.5957	0.10	0.0010626	17.66	728.906	0.04	1.981406	13.68	0.0000000	0.00	0.193427	2.66
14D30863	13.0 %		0.0037337	23.62	0.0000000	0.00	0.0008655	8.93	0.0000027	215.12	3.249999	8.93	0.0006978	23.62	0.0000000	0.00	1.016732	0.18	0.0002333	15.62	0.0170785	215.12	84.5094	0.09	0.0021957	9.03	1220.055	0.02	1.103308	23.62	0.0000000	0.00	0.323079	2.66
14D30864	15.5 %		0.0014216	60.20	0.0000000	0.00	0.0002879	26.44	0.0000083	77.27	1.081226	26.44	0.0002657	60.20	0.0000000	0.00	0.547716	0.19	0.0000776	29.38	0.0527032	77.28	45.5254	0.11	0.0007305	26.47	658.918	0.04	0.420093	60.20	0.0000000	0.00	0.174043	2.66
14D30866	18.5 %		0.0011761	73.65	0.0000000	0.00	0.0004738	15.88	0.0000000	0.00	1.779036	15.88	0.0002198	73.65	0.0000000	0.00	0.672239	0.19	0.0001277	20.41	0.0000000	0.00	55.8756	0.10	0.0012019	15.94	806.361	0.03	0.347527	73.65	0.0000000	0.00	0.213612	2.66
14D30867	21.5 %		0.0001205	716.71	0.0000000	0.00	0.0002525	29.85	0.0000000	0.00	0.948294	29.85	0.0000225	716.71	0.0000000	0.00	0.291320	0.23	0.0000681	32.48	0.0000000	0.00	24.2141	0.17	0.0006407	29.87	350.141	0.08	0.035619	716.71	0.0000000	0.00	0.092571	2.67
14D30869	24.5 %		0.0010216	83.45	0.0000000	0.00	0.0002098	36.76	0.0000000	0.00	0.787948	36.76	0.0001909	83.45	0.0000000	0.00	0.290070	0.23	0.0000566	38.93	0.0000000	0.00	24.1102	0.17	0.0005323	36.78	349.817	0.08	0.301891	83.45	0.0000000	0.00	0.092173	2.67
		Σ	0.1918288	2.26	0.0000000	0.00	0.0265642	1.32	0.0000270	59.12	99.752733	1.32	0.0358528	2.26	0.0000000	0.00	32.397461	0.05	0.0071622	3.83	0.1726028	59.13	2692.8319	0.02	0.0673929	1.37	38633.428	0.00	56.685425	2.26	0.0000000	0.00	10.294696	0.74
		Σ							0.2184200	1.99	99.752733	1.32									32.613079	0.32			2692.8993	0.02							38700.408	0.00

Additional Parameters			40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
14D30841	1.8 %	✓	14.363327	0.013048	0.040228	0.003861	0.000145	0.000013	96.244	6.709165	1.00068021	4.834E-11
14D30843	2.0 %	✓	14.353431	0.013330	0.037471	0.004445	0.000122	0.000013	96.261	6.711466	1.00068033	4.701E-11
14D30844	2.4 %	✓	14.346734	0.011569	0.041149	0.002511	0.000095	0.000008	96.269	6.712571	1.00068039	7.807E-11
14D30845	2.8 %	✓	14.325712	0.011111	0.040417	0.002059	0.000094	0.000007	96.278	6.713676	1.00068045	9.557E-11
14D30847	3.2 %	✓	14.352498	0.010864	0.037630	0.001522	0.000081	0.000005	96.295	6.715979	1.00068057	1.320E-10
14D30848	3.6 %	✓	14.335937	0.010704	0.037818	0.001264	0.000072	0.000005	96.304	6.717176	1.00068064	1.546E-10
14D30849	4.0 %	✓	14.338756	0.010594	0.038554	0.001035	0.000071	0.000004	96.313	6.718282	1.00068069	1.814E-10
14D30851	4.5 %	✓	14.353184	0.010493	0.037382	0.000827	0.000075	0.000003	96.330	6.720586	1.00068082	2.352E-10
14D30852	5.0 %	✓	14.374232	0.010561	0.037148	0.001014	0.000109	0.000003	96.338	6.721693	1.00068088	2.118E-10
14D30853	5.5 %		14.385347	0.010671	0.036204	0.001002	0.000082	0.000004	96.347	6.722891	1.00068094	1.945E-10
14D30855	6.0 %		14.369802	0.010961	0.037360	0.001632	0.000072	0.000005	96.365	6.725197	1.00068106	1.267E-10
14D30856	6.7 %		14.369249	0.011535	0.037260	0.002321	0.000049	0.000008	96.373	6.726304	1.00068112	8.471E-11
14D30857	7.4 %		14.429694	0.014369	0.036014	0.005287	0.000078	0.000016	96.382	6.727504	1.00068118	3.782E-11
14D30859	8.3 %		14.436398	0.023523	0.029614	0.010785	0.000071	0.000033	96.399	6.729811	1.00068131	1.831E-11
14D30860	9.5 %		14.467418	0.027518	0.012686	0.013970	0.000056	0.000043	96.408	6.730919	1.00068137	1.382E-11
14D30861	11.0 %		14.449163	0.014839	0.031086	0.005475	0.000141	0.000018	96.416	6.732027	1.00068143	3.509E-11
14D30863	13.0 %		14.453420	0.012363	0.038456	0.003434	0.000054	0.000010	96.433	6.734336	1.00068155	5.863E-11
14D30864	15.5 %		14.486473	0.016277	0.023750	0.006280	0.000038	0.000019	96.442	6.735537	1.00068161	3.166E-11
14D30866	18.5 %		14.441099	0.014411	0.031839	0.005057	0.000030	0.000015	96.460	6.737847	1.00068173	3.873E-11
14D30867	21.5 %		14.465117	0.025050	0.039162	0.011688	0.000015	0.000036	96.468	6.738956	1.00068179	1.681E-11
14D30869	24.5 %		14.525111	0.025206	0.032680	0.012012	0.000051	0.000035	96.485	6.741267	1.00068192	1.681E-11

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
14D30841	1.8 %	0.0174388 ± 0.0006934	0.0087035 ± 0.0294703	0.0960496 ± 0.0263586	0.0062076 ± 0.0249857	5.0199764 ± 0.0687351
14D30843	2.0 %	0.0172786 ± 0.0006934	0.0231507 ± 0.0294703	0.0925035 ± 0.0263586	0.0174090 ± 0.0249857	4.9242641 ± 0.0687351
14D30844	2.4 %	0.0171086 ± 0.0006934	0.0284339 ± 0.0294703	0.0879236 ± 0.0263586	0.0171656 ± 0.0249857	4.8915102 ± 0.0687351
14D30845	2.8 %	0.0169046 ± 0.0006934	0.0289644 ± 0.0294703	0.0822859 ± 0.0263586	0.0144454 ± 0.0249857	4.8661845 ± 0.0687351
14D30847	3.2 %	0.0164422 ± 0.0006934	0.0196724 ± 0.0294703	0.0693277 ± 0.0263586	0.0040478 ± 0.0249857	4.8338890 ± 0.0687351
14D30848	3.6 %	0.0162147 ± 0.0006934	0.0116131 ± 0.0294703	0.0629439 ± 0.0263586	0.0023701 ± 0.0249857	4.8262796 ± 0.0687351
14D30849	4.0 %	0.0160291 ± 0.0006934	0.0034276 ± 0.0294703	0.0577607 ± 0.0263586	0.0081351 ± 0.0249857	4.8238352 ± 0.0687351
14D30851	4.5 %	0.0157542 ± 0.0006934	0.0129252 ± 0.0294703	0.0502477 ± 0.0263586	0.0178180 ± 0.0249857	4.8300198 ± 0.0687351
14D30852	5.0 %	0.0156879 ± 0.0006934	0.0193144 ± 0.0294703	0.0485689 ± 0.0263586	0.0206975 ± 0.0249857	4.8371539 ± 0.0687351
14D30853	5.5 %	0.0156693 ± 0.0006934	0.0245427 ± 0.0294703	0.0482987 ± 0.0263586	0.0221957 ± 0.0249857	4.8470677 ± 0.0687351
14D30855	6.0 %	0.0157894 ± 0.0006934	0.0285827 ± 0.0294703	0.0522705 ± 0.0263586	0.0199436 ± 0.0249857	4.8702331 ± 0.0687351
14D30856	6.7 %	0.0159148 ± 0.0006934	0.0275072 ± 0.0294703	0.0560904 ± 0.0263586	0.0164970 ± 0.0249857	4.8822924 ± 0.0687351
14D30857	7.4 %	0.0160924 ± 0.0006934	0.0242048 ± 0.0294703	0.0613672 ± 0.0263586	0.0112176 ± 0.0249857	4.8953985 ± 0.0687351
14D30859	8.3 %	0.0165196 ± 0.0006934	0.0125698 ± 0.0294703	0.0736396 ± 0.0263586	0.0023461 ± 0.0249857	4.9190755 ± 0.0687351
14D30860	9.5 %	0.0167421 ± 0.0006934	0.0052595 ± 0.0294703	0.0797916 ± 0.0263586	0.0097165 ± 0.0249857	4.9290481 ± 0.0687351
14D30861	11.0 %	0.0169579 ± 0.0006934	0.0025104 ± 0.0294703	0.0855402 ± 0.0263586	0.0170393 ± 0.0249857	4.9377447 ± 0.0687351
14D30863	13.0 %	0.0173161 ± 0.0006934	0.0173384 ± 0.0294703	0.0939689 ± 0.0263586	0.0296701 ± 0.0249857	4.9507924 ± 0.0687351
14D30864	15.5 %	0.0174091 ± 0.0006934	0.0224511 ± 0.0294703	0.0950415 ± 0.0263586	0.0332464 ± 0.0249857	4.9544423 ± 0.0687351
14D30866	18.5 %	0.0172832 ± 0.0006934	0.0217933 ± 0.0294703	0.0867560 ± 0.0263586	0.0298107 ± 0.0249857	4.9546988 ± 0.0687351
14D30867	21.5 %	0.0170274 ± 0.0006934	0.0141815 ± 0.0294703	0.0762605 ± 0.0263586	0.0213870 ± 0.0249857	4.9515008 ± 0.0687351
14D30869	24.5 %	0.0159332 ± 0.0006934	0.0239777 ± 0.0294703	0.0359412 ± 0.0263586	0.0160046 ± 0.0249857	4.9377930 ± 0.0687351

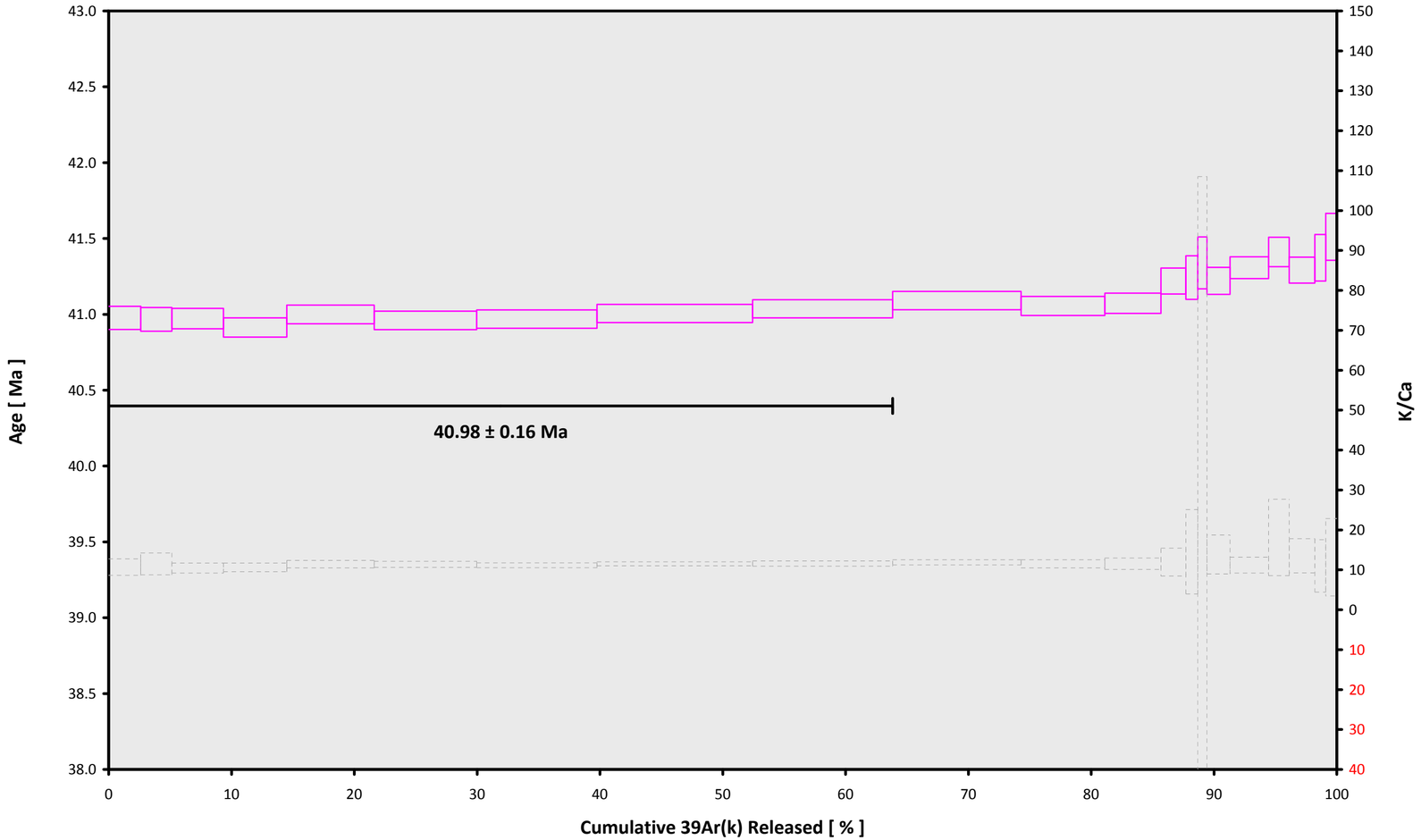
Intercept Values		36Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	37Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	38Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	39Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	40Ar ± 1σ (SE) [fA]	r2	Regression (type,n)
14D30841	1.8 %	0.0271396 ± 0.0004983	0.9158	EXP 150 of 150	0.4033156 ± 0.0263258	0.0046	EXP 150 of 150	0.7141934 ± 0.0249727	0.0053	EXP 150 of 150	69.598524 ± 0.029389	0.9957	EXP 150 of 150	1014.96417 ± 0.07585	0.9997	EXP 150 of 150
14D30843	2.0 %	0.0252187 ± 0.0004709	0.9268	EXP 150 of 150	0.3965081 ± 0.0330373	0.0011	EXP 150 of 150	0.7345231 ± 0.0261348	0.0076	EXP 150 of 150	67.719279 ± 0.030809	0.9951	EXP 150 of 150	987.08663 ± 0.08120	0.9996	EXP 150 of 150
14D30844	2.4 %	0.0273483 ± 0.0005254	0.9552	EXP 150 of 150	0.7094743 ± 0.0292013	0.0169	EXP 150 of 150	1.2635758 ± 0.0280116	0.0219	EXP 150 of 150	112.516802 ± 0.033337	0.9980	EXP 150 of 150	1635.84028 ± 0.09817	0.9998	EXP 150 of 150
14D30845	2.8 %	0.0293142 ± 0.0005626	0.9608	EXP 150 of 150	0.8489566 ± 0.0294721	0.0729	EXP 150 of 150	1.6233748 ± 0.0265325	0.1728	EXP 150 of 150	137.953651 ± 0.032822	0.9987	EXP 150 of 150	2001.50058 ± 0.11273	0.9998	EXP 150 of 150
14D30847	3.2 %	0.0311594 ± 0.0005916	0.9724	EXP 150 of 150	1.0718797 ± 0.0304610	0.0191	EXP 150 of 150	2.1857386 ± 0.0275027	0.1527	EXP 150 of 150	190.212644 ± 0.040248	0.9990	EXP 150 of 150	2762.74233 ± 0.13822	0.9999	EXP 150 of 150
14D30848	3.6 %	0.0316187 ± 0.0007259	0.9695	EXP 150 of 150	1.2515025 ± 0.0287786	0.0413	EXP 150 of 150	2.5522178 ± 0.0278181	0.1938	EXP 150 of 150	223.075226 ± 0.041235	0.9992	EXP 150 of 150	3235.37685 ± 0.16242	0.9999	EXP 150 of 150
14D30849	4.0 %	0.0338974 ± 0.0007111	0.9774	EXP 150 of 150	1.4855658 ± 0.0261866	0.1370	EXP 150 of 150	3.0475781 ± 0.0248735	0.3576	EXP 150 of 150	261.617669 ± 0.042655	0.9994	EXP 150 of 150	3794.20956 ± 0.17104	0.9999	EXP 150 of 150
14D30851	4.5 %	0.0402096 ± 0.0007286	0.9840	EXP 149 of 150	1.8477963 ± 0.0279624	0.1226	EXP 149 of 150	3.9930635 ± 0.0266560	0.4039	EXP 150 of 150	338.859436 ± 0.047633	0.9995	EXP 150 of 150	4917.85332 ± 0.17619	0.9999	EXP 150 of 150
14D30852	5.0 %	0.0476756 ± 0.0007084	0.9827	EXP 150 of 150	1.6430357 ± 0.0340034	0.0376	EXP 150 of 150	3.5486890 ± 0.0249319	0.3716	EXP 149 of 150	304.697549 ± 0.046830	0.9995	EXP 150 of 150	4428.96782 ± 0.16595	0.9999	EXP 150 of 150
14D30853	5.5 %	0.0377013 ± 0.0008452	0.9735	EXP 150 of 150	1.4620679 ± 0.0282092	0.0704	EXP 150 of 150	3.2517524 ± 0.0283063	0.2537	EXP 150 of 150	279.643251 ± 0.050159	0.9992	EXP 150 of 150	4068.28936 ± 0.18106	0.9999	EXP 150 of 150
14D30855	6.0 %	0.0284287 ± 0.0006410	0.9699	EXP 150 of 150	0.9717914 ± 0.0320590	0.0685	EXP 150 of 150	2.1278792 ± 0.0290122	0.2049	EXP 150 of 150	182.425673 ± 0.041773	0.9988	EXP 150 of 150	2652.71908 ± 0.12136	0.9999	EXP 150 of 150
14D30856	6.7 %	0.0216820 ± 0.0005841	0.9572	EXP 150 of 150	0.6392477 ± 0.0291816	0.0073	EXP 150 of 150	1.3771450 ± 0.0255002	0.0875	EXP 150 of 150	121.936670 ± 0.036444	0.9979	EXP 150 of 150	1774.63913 ± 0.10790	0.9998	EXP 150 of 150
14D30857	7.4 %	0.0201301 ± 0.0004672	0.9330	EXP 149 of 150	0.2622549 ± 0.0299856	0.0005	EXP 150 of 150	0.5351916 ± 0.0256117	0.0051	EXP 149 of 150	54.214198 ± 0.027399	0.9936	EXP 150 of 150	794.99944 ± 0.07150	0.9994	EXP 150 of 150
14D30859	8.3 %	0.0183165 ± 0.0004374	0.8700	EXP 150 of 150	0.1013611 ± 0.0292069	0.0000	EXP 150 of 150	0.2443738 ± 0.0299067	0.0091	EXP 150 of 150	26.223427 ± 0.028647	0.9689	EXP 150 of 150	387.38361 ± 0.04532	0.9981	EXP 150 of 150
14D30860	9.5 %	0.0177957 ± 0.0004171	0.8749	EXP 150 of 150	0.0314886 ± 0.0277292	0.0109	EXP 150 of 150	0.1814327 ± 0.0253046	0.0296	EXP 150 of 150	19.739381 ± 0.023558	0.9627	EXP 150 of 150	293.55962 ± 0.04977	0.9934	EXP 150 of 150
14D30861	11.0 %	0.0237404 ± 0.0005263	0.8870	EXP 150 of 150	0.2314706 ± 0.0275164	0.0192	EXP 150 of 150	0.5149991 ± 0.0260043	0.0193	EXP 150 of 150	50.208247 ± 0.026683	0.9932	EXP 150 of 150	738.04787 ± 0.06693	0.9994	EXP 150 of 150
14D30863	13.0 %	0.0216973 ± 0.0004678	0.9492	EXP 150 of 150	0.4902857 ± 0.0302091	0.0192	EXP 150 of 150	0.9269560 ± 0.0247707	0.0642	EXP 150 of 150	83.861474 ± 0.030004	0.9969	EXP 150 of 150	1229.82330 ± 0.07780	0.9998	EXP 150 of 150
14D30864	15.5 %	0.0190445 ± 0.0004216	0.9209	EXP 150 of 150	0.1797656 ± 0.0293482	0.0378	EXP 150 of 150	0.4976985 ± 0.0302899	0.0578	EXP 150 of 150	45.158611 ± 0.029573	0.9897	EXP 150 of 150	666.29783 ± 0.06617	0.9993	EXP 150 of 150
14D30866	18.5 %	0.0188539 ± 0.0004404	0.9285	EXP 150 of 150	0.2805478 ± 0.0286255	0.0000	EXP 150 of 150	0.5732006 ± 0.0253758	0.0102	EXP 150 of 150	55.436770 ± 0.028760	0.9936	EXP 150 of 150	814.11740 ± 0.07687	0.9994	EXP 150 of 150
14D30867	21.5 %	0.0173825 ± 0.0004365	0.8646	EXP 149 of 150	0.1520848 ± 0.0287274	0.0041	EXP 150 of 150	0.2025191 ± 0.0280377	0.0018	EXP 150 of 150	24.015578 ± 0.027941	0.9635	EXP 149 of 150	356.19301 ± 0.05101	0.9974	EXP 150 of 150
14D30869	24.5 %	0.0171057 ± 0.0004155	0.8630	EXP 150 of 150	0.0905683 ± 0.0300645	0.0029	EXP 150 of 150	0.2050405 ± 0.0289078	0.0064	EXP 150 of 150	23.949749 ± 0.027861	0.9675	EXP 150 of 150	356.12155 ± 0.05002	0.9978	EXP 150 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
14D30841	1.8 %	Susan Schnur	14-OSU-04	0.00	0.00	43.98	Walvis Ridge\MV1203 (13-INT-04)	14D30840	01
14D30843	2.0 %	Susan Schnur	14-OSU-04	0.00	0.00	43.98	Walvis Ridge\MV1203 (13-INT-04)	14D30840	01
14D30844	2.4 %	Susan Schnur	14-OSU-04	0.00	0.00	43.98	Walvis Ridge\MV1203 (13-INT-04)	14D30840	01
14D30845	2.8 %	Susan Schnur	14-OSU-04	0.00	0.00	43.98	Walvis Ridge\MV1203 (13-INT-04)	14D30840	01
14D30847	3.2 %	Susan Schnur	14-OSU-04	0.00	0.00	43.98	Walvis Ridge\MV1203 (13-INT-04)	14D30840	01
14D30848	3.6 %	Susan Schnur	14-OSU-04	0.00	0.00	43.98	Walvis Ridge\MV1203 (13-INT-04)	14D30840	01
14D30849	4.0 %	Susan Schnur	14-OSU-04	0.00	0.00	43.98	Walvis Ridge\MV1203 (13-INT-04)	14D30840	01
14D30851	4.5 %	Susan Schnur	14-OSU-04	0.00	0.00	43.98	Walvis Ridge\MV1203 (13-INT-04)	14D30840	01
14D30852	5.0 %	Susan Schnur	14-OSU-04	0.00	0.00	43.98	Walvis Ridge\MV1203 (13-INT-04)	14D30840	01
14D30853	5.5 %	Susan Schnur	14-OSU-04	0.00	0.00	43.98	Walvis Ridge\MV1203 (13-INT-04)	14D30840	01
14D30855	6.0 %	Susan Schnur	14-OSU-04	0.00	0.00	43.98	Walvis Ridge\MV1203 (13-INT-04)	14D30840	01
14D30856	6.7 %	Susan Schnur	14-OSU-04	0.00	0.00	43.98	Walvis Ridge\MV1203 (13-INT-04)	14D30840	01
14D30857	7.4 %	Susan Schnur	14-OSU-04	0.00	0.00	43.98	Walvis Ridge\MV1203 (13-INT-04)	14D30840	01
14D30859	8.3 %	Susan Schnur	14-OSU-04	0.00	0.00	43.98	Walvis Ridge\MV1203 (13-INT-04)	14D30840	01
14D30860	9.5 %	Susan Schnur	14-OSU-04	0.00	0.00	43.98	Walvis Ridge\MV1203 (13-INT-04)	14D30840	01
14D30861	11.0 %	Susan Schnur	14-OSU-04	0.00	0.00	43.98	Walvis Ridge\MV1203 (13-INT-04)	14D30840	01
14D30863	13.0 %	Susan Schnur	14-OSU-04	0.00	0.00	43.98	Walvis Ridge\MV1203 (13-INT-04)	14D30840	01
14D30864	15.5 %	Susan Schnur	14-OSU-04	0.00	0.00	43.98	Walvis Ridge\MV1203 (13-INT-04)	14D30840	01
14D30866	18.5 %	Susan Schnur	14-OSU-04	0.00	0.00	43.98	Walvis Ridge\MV1203 (13-INT-04)	14D30840	01
14D30867	21.5 %	Susan Schnur	14-OSU-04	0.00	0.00	43.98	Walvis Ridge\MV1203 (13-INT-04)	14D30840	01
14D30869	24.5 %	Susan Schnur	14-OSU-04	0.00	0.00	43.98	Walvis Ridge\MV1203 (13-INT-04)	14D30840	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
14D30841	1.8 %	MV1203-D60-04	Alkali-Feldspar	Contest Seamount	FCT-NM (4B30-14)	28.201	0.082	Kuiper et al (2008)	9.82053	0.195	0.00160046	0.195	303.599	0.169	0.99332222	0.071	1	4.8E-14	10	NOV	2014	21	51	1
14D30843	2.0 %	MV1203-D60-04	Alkali-Feldspar	Contest Seamount	FCT-NM (4B30-14)	28.201	0.082	Kuiper et al (2008)	9.82053	0.195	0.00160046	0.195	303.599	0.169	0.99332222	0.071	1	4.8E-14	10	NOV	2014	22	16	1
14D30844	2.4 %	MV1203-D60-04	Alkali-Feldspar	Contest Seamount	FCT-NM (4B30-14)	28.201	0.082	Kuiper et al (2008)	9.82053	0.195	0.00160046	0.195	303.599	0.169	0.99332222	0.071	1	4.8E-14	10	NOV	2014	22	28	1
14D30845	2.8 %	MV1203-D60-04	Alkali-Feldspar	Contest Seamount	FCT-NM (4B30-14)	28.201	0.082	Kuiper et al (2008)	9.82053	0.195	0.00160046	0.195	303.599	0.169	0.99332222	0.071	1	4.8E-14	10	NOV	2014	22	40	1
14D30847	3.2 %	MV1203-D60-04	Alkali-Feldspar	Contest Seamount	FCT-NM (4B30-14)	28.201	0.082	Kuiper et al (2008)	9.82053	0.195	0.00160046	0.195	303.599	0.169	0.99332222	0.071	1	4.8E-14	10	NOV	2014	23	5	1
14D30848	3.6 %	MV1203-D60-04	Alkali-Feldspar	Contest Seamount	FCT-NM (4B30-14)	28.201	0.082	Kuiper et al (2008)	9.82053	0.195	0.00160046	0.195	303.599	0.169	0.99332222	0.071	1	4.8E-14	10	NOV	2014	23	18	1
14D30849	4.0 %	MV1203-D60-04	Alkali-Feldspar	Contest Seamount	FCT-NM (4B30-14)	28.201	0.082	Kuiper et al (2008)	9.82053	0.195	0.00160046	0.195	303.599	0.169	0.99332222	0.071	1	4.8E-14	10	NOV	2014	23	30	1
14D30851	4.5 %	MV1203-D60-04	Alkali-Feldspar	Contest Seamount	FCT-NM (4B30-14)	28.201	0.082	Kuiper et al (2008)	9.82053	0.195	0.00160046	0.195	303.599	0.169	0.99332222	0.071	1	4.8E-14	10	NOV	2014	23	55	1
14D30852	5.0 %	MV1203-D60-04	Alkali-Feldspar	Contest Seamount	FCT-NM (4B30-14)	28.201	0.082	Kuiper et al (2008)	9.82053	0.195	0.00160046	0.195	303.599	0.169	0.99332222	0.071	1	4.8E-14	11	NOV	2014	0	7	1
14D30853	5.5 %	MV1203-D60-04	Alkali-Feldspar	Contest Seamount	FCT-NM (4B30-14)	28.201	0.082	Kuiper et al (2008)	9.82053	0.195	0.00160046	0.195	303.599	0.169	0.99332222	0.071	1	4.8E-14	11	NOV	2014	0	20	1
14D30855	6.0 %	MV1203-D60-04	Alkali-Feldspar	Contest Seamount	FCT-NM (4B30-14)	28.201	0.082	Kuiper et al (2008)	9.82053	0.195	0.00160046	0.195	303.599	0.169	0.99332222	0.071	1	4.8E-14	11	NOV	2014	0	45	1
14D30856	6.7 %	MV1203-D60-04	Alkali-Feldspar	Contest Seamount	FCT-NM (4B30-14)	28.201	0.082	Kuiper et al (2008)	9.82053	0.195	0.00160046	0.195	303.599	0.169	0.99332222	0.071	1	4.8E-14	11	NOV	2014	0	57	1
14D30857	7.4 %	MV1203-D60-04	Alkali-Feldspar	Contest Seamount	FCT-NM (4B30-14)	28.201	0.082	Kuiper et al (2008)	9.82053	0.195	0.00160046	0.195	303.599	0.169	0.99332222	0.071	1	4.8E-14	11	NOV	2014	1	10	1
14D30859	8.3 %	MV1203-D60-04	Alkali-Feldspar	Contest Seamount	FCT-NM (4B30-14)	28.201	0.082	Kuiper et al (2008)	9.82053	0.195	0.00160046	0.195	303.599	0.169	0.99332222	0.071	1	4.8E-14	11	NOV	2014	1	35	1
14D30860	9.5 %	MV1203-D60-04	Alkali-Feldspar	Contest Seamount	FCT-NM (4B30-14)	28.201	0.082	Kuiper et al (2008)	9.82053	0.195	0.00160046	0.195	303.599	0.169	0.99332222	0.071	1	4.8E-14	11	NOV	2014	1	47	1
14D30861	11.0 %	MV1203-D60-04	Alkali-Feldspar	Contest Seamount	FCT-NM (4B30-14)	28.201	0.082	Kuiper et al (2008)	9.82053	0.195	0.00160046	0.195	303.599	0.169	0.99332222	0.071	1	4.8E-14	11	NOV	2014	1	59	1
14D30863	13.0 %	MV1203-D60-04	Alkali-Feldspar	Contest Seamount	FCT-NM (4B30-14)	28.201	0.082	Kuiper et al (2008)	9.82053	0.195	0.00160046	0.195	303.599	0.169	0.99332222	0.071	1	4.8E-14	11	NOV	2014	2	24	1
14D30864	15.5 %	MV1203-D60-04	Alkali-Feldspar	Contest Seamount	FCT-NM (4B30-14)	28.201	0.082	Kuiper et al (2008)	9.82053	0.195	0.00160046	0.195	303.599	0.169	0.99332222	0.071	1	4.8E-14	11	NOV	2014	2	37	1
14D30866	18.5 %	MV1203-D60-04	Alkali-Feldspar	Contest Seamount	FCT-NM (4B30-14)	28.201	0.082	Kuiper et al (2008)	9.82053	0.195	0.00160046	0.195	303.599	0.169	0.99332222	0.071	1	4.8E-14	11	NOV	2014	3	2	1
14D30867	21.5 %	MV1203-D60-04	Alkali-Feldspar	Contest Seamount	FCT-NM (4B30-14)	28.201	0.082	Kuiper et al (2008)	9.82053	0.195	0.00160046	0.195	303.599	0.169	0.99332222	0.071	1	4.8E-14	11	NOV	2014	3	14	1
14D30869	24.5 %	MV1203-D60-04	Alkali-Feldspar	Contest Seamount	FCT-NM (4B30-14)	28.201	0.082	Kuiper et al (2008)	9.82053	0.195	0.00160046	0.195	303.599	0.169	0.99332222	0.071	1	4.8E-14	11	NOV	2014	3	39	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
14D30841	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
14D30843	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
14D30844	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
14D30845	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
14D30847	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
14D30848	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
14D30849	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
14D30851	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
14D30852	5.0 %	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
14D30853	5.5 %	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
14D30855	6.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D30856	6.7 %	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
14D30857	7.4 %	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
14D30859	8.3 %	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
14D30860	9.5 %	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
14D30861	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
14D30863	13.0 %	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
14D30864	15.5 %	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
14D30866	18.5 %	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
14D30867	21.5 %	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
14D30869	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

14D30840.AGE >>> MV1203-D60-04 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
40.98 ± 0.16
TOTAL FUSION
41.05 ± 0.16
NORMAL ISOCHRON
40.97 ± 0.19
INVERSE ISOCHRON
40.96 ± 0.19

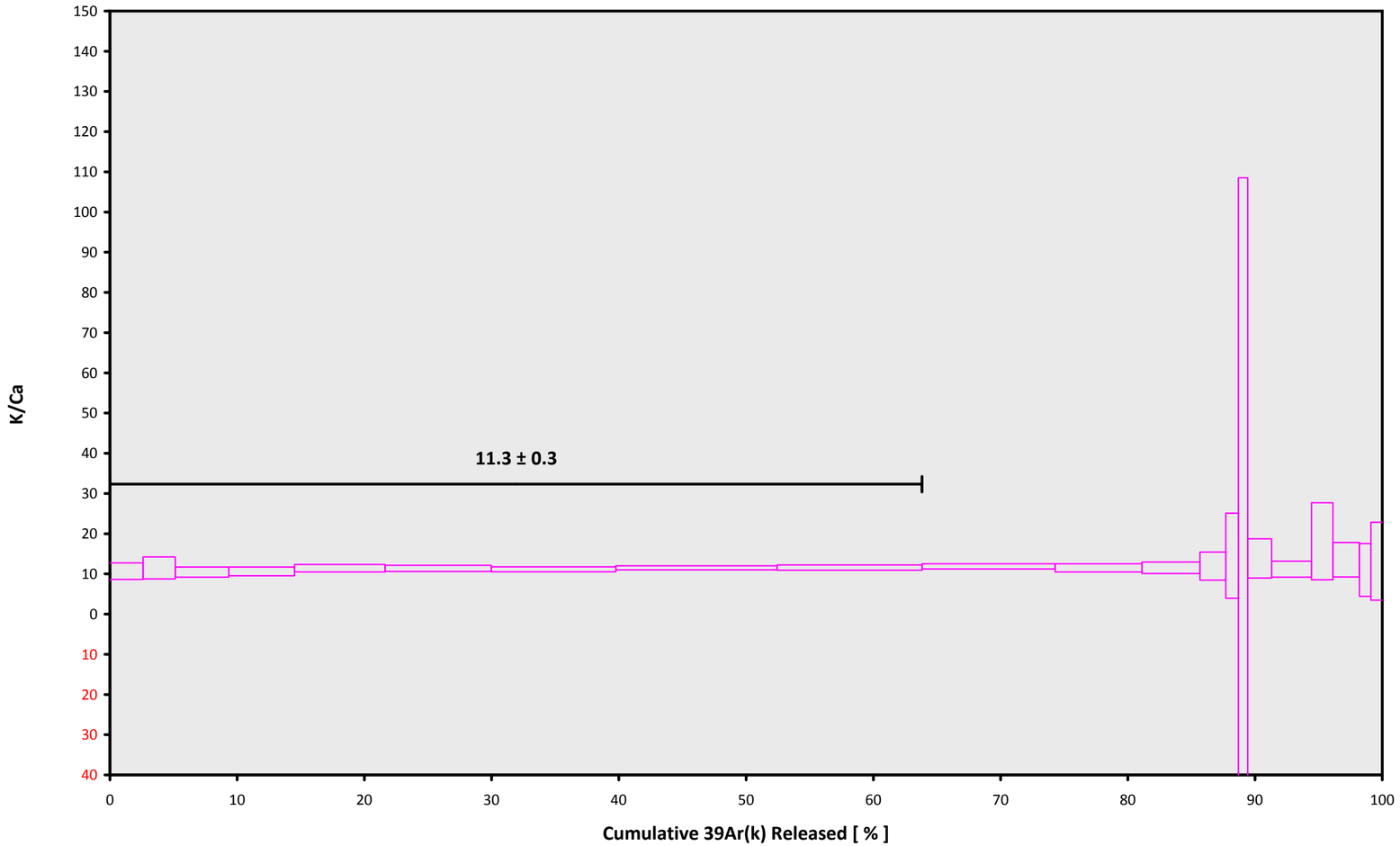
MSWD (PROBABILITY)
1.23 (28%)

Sample Info

Alkali-Feldspar
Contest Seamount
Susan Schnur

IRR = 14-OSU-04 (4B30-14)
J = 0.00160046 ± 0.00000312

14D30840.AGE >>> MV1203-D60-04 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

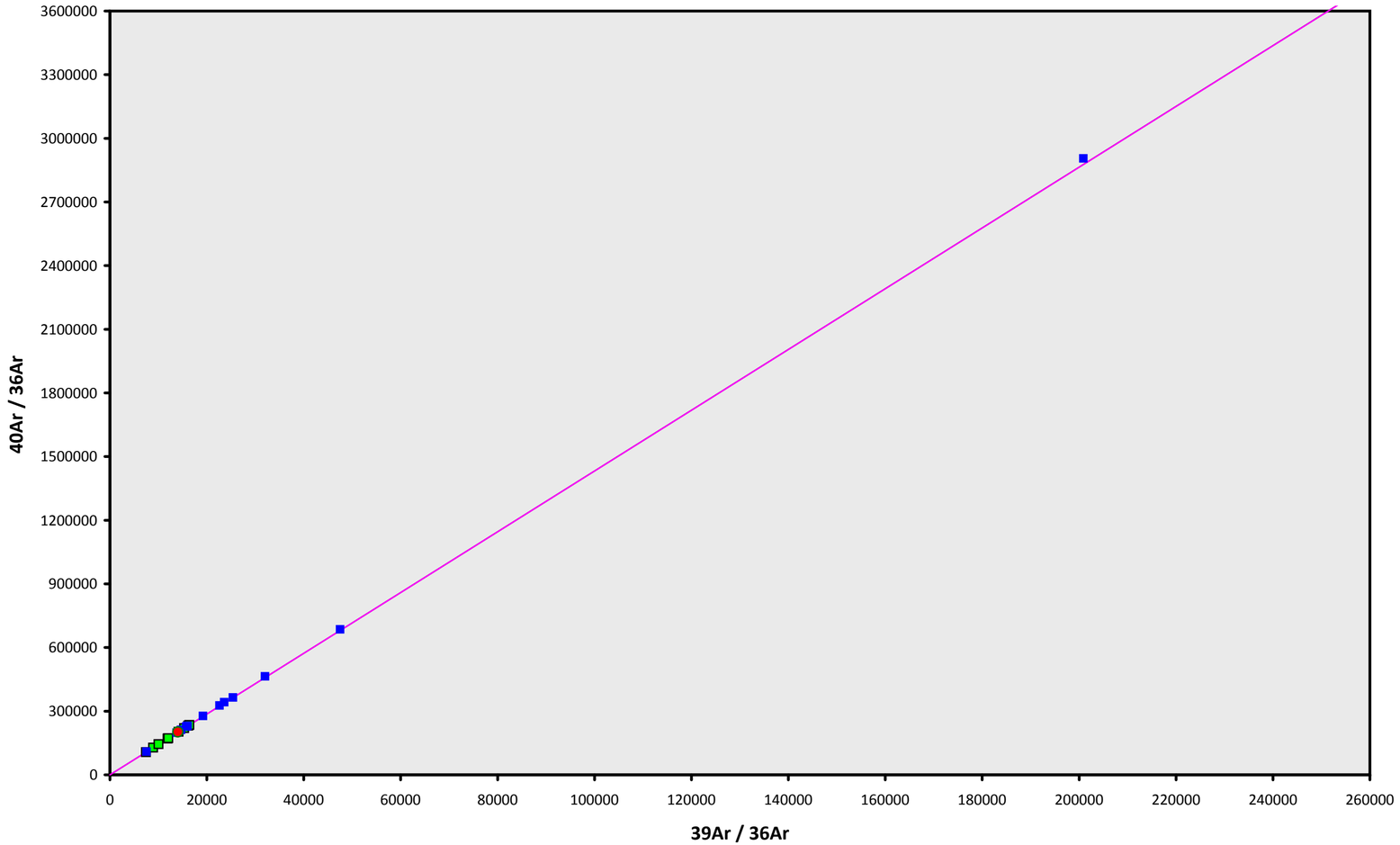
WEIGHTED PLATEAU
40.98 ± 0.16
TOTAL FUSION
41.05 ± 0.16
NORMAL ISOCHRON
40.97 ± 0.19
INVERSE ISOCHRON
40.96 ± 0.19

Sample Info

Alkali-Feldspar
Contest Seamount
Susan Schnur

IRR = 14-OSU-04 (4B30-14)
J = 0.00160046 ± 0.00000312

14D30840.AGE >>> MV1203-D60-04 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
40.98 ± 0.16
TOTAL FUSION
41.05 ± 0.16
NORMAL ISOCHRON
40.97 ± 0.19
INVERSE ISOCHRON
40.96 ± 0.19

MSWD (PROBABILITY)
1.40 (20%)

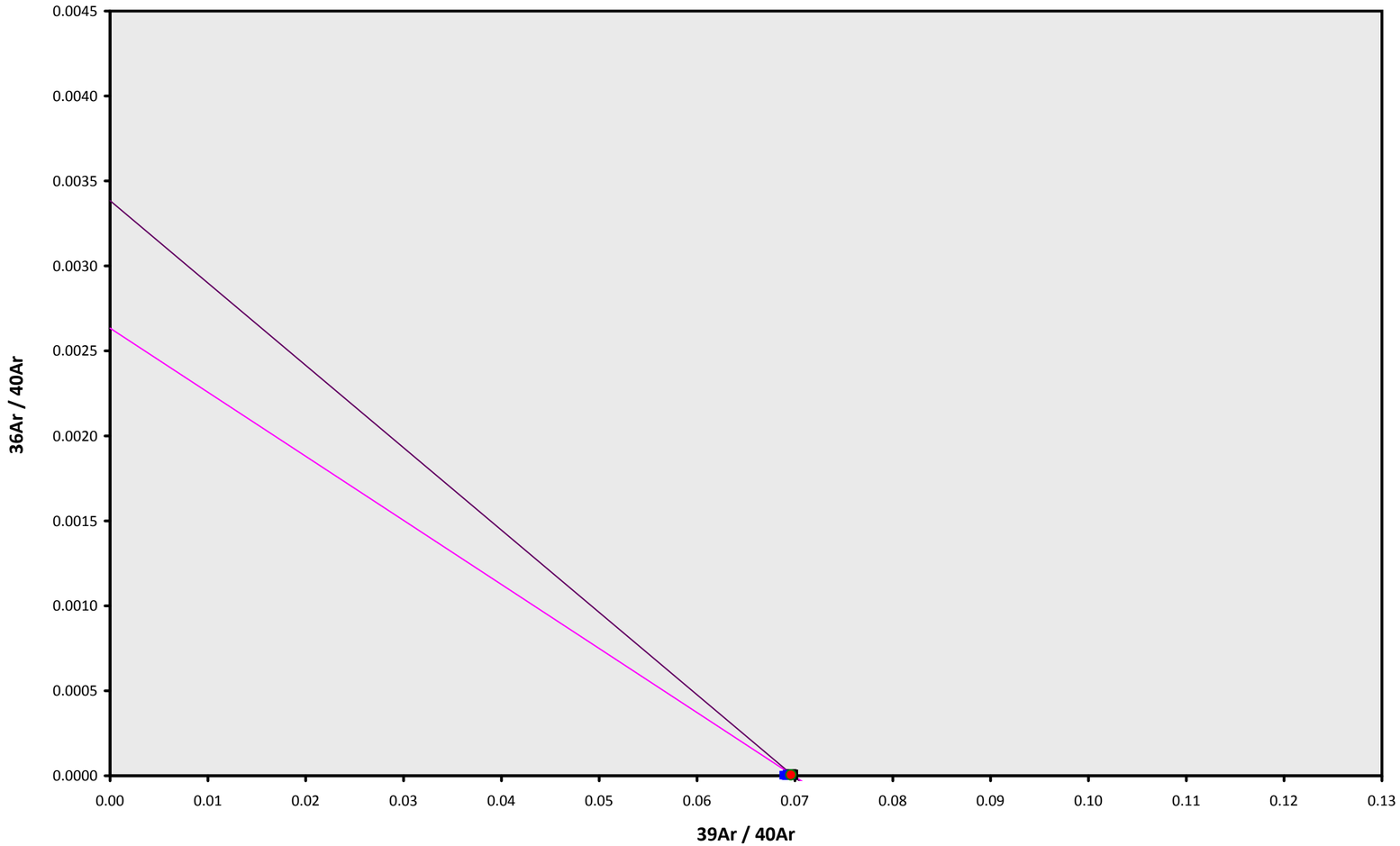
40AR/36AR INTERCEPT
333.4 ± 409.2

Sample Info

Alkali-Feldspar
Contest Seamount
Susan Schnur

IRR = 14-OSU-04 (4B30-14)
J = 0.00160046 ± 0.00000312

14D30840.AGE >>> MV1203-D60-04 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
40.98 ± 0.16
TOTAL FUSION
41.05 ± 0.16
NORMAL ISOCHRON
40.97 ± 0.19
INVERSE ISOCHRON
40.96 ± 0.19

MSWD (PROBABILITY)
1.38 (21%)

SPREADING FACTOR
0.3%

40AR/36AR INTERCEPT
379.6 ± 240.9

Sample Info

Alkali-Feldspar
Contest Seamount
Susan Schnur

IRR = 14-OSU-04 (4B30-14)
J = 0.00160046 ± 0.00000312