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
15D04025	1.8 %		0.0007009	111.039	0.61903	291.818	0.079299	49.818	10.9796	0.346	170.876	0.058	15.53530 ± 0.11972	43.56 ± 0.33	99.83	0.43	7.6 ± 44.5
15D04027	2.0 %		0.0002530	308.033	1.85425	89.239	0.140621	27.585	10.9402	0.343	166.949	0.058	15.27829 ± 0.11696	42.85 ± 0.32	100.11	0.43	2.5 ± 4.5
15D04028	2.4 %		0.0025574	30.725	0.91083	187.720	0.128388	29.874	14.6050	0.255	222.066	0.044	15.15477 ± 0.08666	42.50 ± 0.24	99.67	0.58	6.9 ± 25.9
15D04029	2.8 %		0.0011111	69.751	3.16455	52.989	0.488331	7.907	37.2510	0.126	563.810	0.019	15.13043 ± 0.04106	42.44 ± 0.11	99.96	1.47	5.1 ± 5.4
15D04031	3.2 %		0.0008188	98.421	0.67635	250.523	0.297794	13.505	26.3843	0.158	398.699	0.026	15.09596 ± 0.05247	42.34 ± 0.15	99.90	1.04	16.8 ± 84.0
15D04032	3.6 %		0.0010979	73.738	3.43153	52.519	0.405032	9.206	33.5843	0.130	505.470	0.021	15.04639 ± 0.04292	42.20 ± 0.12	99.96	1.33	4.2 ± 4.4
15D04033	4.0 %		0.0011283	69.783	2.47752	71.195	0.703014	5.352	57.7603	0.099	869.820	0.014	15.05336 ± 0.03143	42.22 ± 0.09	99.96	2.28	10.0 ± 14.3
15D04035	4.5 %		0.0032544	25.209	5.76741	30.564	1.008828	4.046	84.8030	0.087	1278.626	0.009	15.06848 ± 0.02714	42.26 ± 0.08	99.93	3.35	6.3 ± 3.9
15D04036	5.0 %		0.0028487	29.277	2.06019	80.793	1.057181	3.812	86.0210	0.085	1295.900	0.010	15.05347 ± 0.02668	42.22 ± 0.07	99.92	3.40	18.0 ± 29.0
15D04037	5.5 %	✓	0.0076758	11.422	7.59627	23.308	1.477758	2.607	124.7294	0.080	1884.764	0.007	15.09423 ± 0.02466	42.33 ± 0.07	99.89	4.93	7.1 ± 3.3
15D04039	6.0 %	✓	0.0055746	15.443	10.77260	16.594	1.766912	2.304	148.1787	0.078	2235.950	0.007	15.08107 ± 0.02391	42.30 ± 0.07	99.94	5.86	5.9 ± 2.0
15D04040	6.7 %	✓	0.0168403	5.313	11.42076	15.876	2.202011	1.743	184.3681	0.076	2786.398	0.005	15.08792 ± 0.02316	42.32 ± 0.06	99.83	7.29	6.9 ± 2.2
15D04041	7.4 %	✓	0.0181205	5.166	13.40300	13.076	2.235145	1.713	186.4322	0.077	2818.800	0.005	15.09355 ± 0.02341	42.33 ± 0.06	99.82	7.37	6.0 ± 1.6
15D04043	8.3 %	✓	0.0037708	23.972	12.26538	13.939	2.261785	1.680	191.8233	0.076	2896.685	0.006	15.09686 ± 0.02317	42.34 ± 0.06	99.97	7.58	6.7 ± 1.9
15D04044	9.5 %	✓	0.0084052	11.712	21.40693	8.199	3.836937	1.018	318.9230	0.074	4813.150	0.004	15.08624 ± 0.02235	42.31 ± 0.06	99.96	12.61	6.4 ± 1.1
15D04045	11.0 %	✓	0.0095184	10.727	18.85265	9.484	3.590555	1.156	304.4438	0.074	4595.147	0.004	15.08602 ± 0.02245	42.31 ± 0.06	99.95	12.04	6.9 ± 1.3
15D04047	13.0 %	✓	0.0037637	23.660	10.85244	16.366	2.175242	1.865	188.2139	0.076	2843.797	0.006	15.10478 ± 0.02328	42.36 ± 0.06	99.97	7.44	7.5 ± 2.4
15D04048	15.5 %	✓	0.0023091	39.278	9.76612	18.255	1.576955	2.643	132.1831	0.079	1998.265	0.007	15.11499 ± 0.02446	42.39 ± 0.07	99.98	5.23	5.8 ± 2.1
15D04050	18.5 %		0.0010041	87.588	5.85152	28.291	1.697141	2.246	142.8540	0.078	2161.288	0.007	15.12709 ± 0.02415	42.43 ± 0.07	99.98	5.65	10.5 ± 5.9
15D04051	21.5 %		0.0007997	107.429	9.46371	18.599	1.636718	2.408	135.6810	0.079	2057.761	0.007	15.16682 ± 0.02454	42.54 ± 0.07	100.00	5.36	6.2 ± 2.3
15D04053	24.5 %		0.0003149	273.043	8.53331	20.837	1.308468	3.121	108.9500	0.083	1653.334	0.008	15.17746 ± 0.02590	42.57 ± 0.07	100.01	4.31	5.5 ± 2.3
		Σ	0.0913616	4.324	158.55558	5.048	30.074114	0.600	2529.1089	0.021	38217.552	0.002					

Information on Analysis and Constants Used in Calculations

Project = **MV1203 (13-INT-04)**
Sample = **MV1203-D61-07C**
Material = **Alkali-Feldspar**
Location = **Maybe Guyot**
Region = **Walvis Ridge**
Analyst = **Susan Schnur**
Irradiation = **14-OSU-04 (R98)**
Position = **X: 0 | Y: 0 | Z/H: 50.3 mm**
FCT-NM Age = **28.201 ± 0.023 Ma**
FCT-NM Reference = **Kuiper et al (2008)**
FCT-NM 40Ar/39Ar Ratio = **10.01555 ± 0.01913**
FCT-NM J-value = **0.00156930 ± 0.00000300**
Air Shot 40Ar/36Ar = **303.4750 ± 0.5280**
Air Shot MDF = **0.99342177 ± 0.00071665 (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 = **IESS10052**
Rock Class = **Igneous>Volcanic>Mafic**
Lithology = **Trachyte**
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		15.09367 ± 0.00780 (± 0.05%)	**42.33 ± 0.16 (± 0.38%)**	0.79	70.35	6.5 ± 0.6
		Full External Error ± 0.96		61%	9	
		Analytical Error ± 0.02		2.00	2σ Confidence Limit	
				1.0000	Error Magnification	
Total Fusion Age		15.10215 ± 0.00640 (± 0.04%)	**42.36 ± 0.16 (± 0.38%)**		21	6.9 ± 0.7
		Full External Error ± 0.96				
		Analytical Error ± 0.02				
Normal Isochron	**16.98 ± 300.62 (########)**	15.10767 ± 0.01381 (± 0.09%)	**42.37 ± 0.16 (± 0.39%)**	1.02	70.35	
		Full External Error ± 0.97		41%	9	
		Analytical Error ± 0.04		2.07	2σ Confidence Limit	
				1.0121	Error Magnification	
				1	Number of Iterations	
				0.0000000083	Convergence	
Inverse Isochron	**194.22 ± 139.29 (± 71.72%)**	15.09645 ± 0.01054 (± 0.07%)	**42.34 ± 0.16 (± 0.38%)**	0.82	70.35	
Clustered Points		Full External Error ± 0.96		57%	9	
		Analytical Error ± 0.03		2.07	2σ Confidence Limit	
				1.0000	Error Magnification	
Notes				4	Number of Iterations	
Good plateau				0.0000380327	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
15D04025	1.8 %		0.0008658	0.61903	0.0000000	10.9800	170.578	43.56 ± 0.33	99.83	0.43	7.6 ± 44.5
15D04027	2.0 %		0.0007495	1.85425	0.0090213	10.9390	167.129	42.85 ± 0.32	100.11	0.43	2.5 ± 4.5
15D04028	2.4 %		0.0023148	0.91083	0.0000000	14.6044	221.326	42.50 ± 0.24	99.67	0.58	6.9 ± 25.9
15D04029	2.8 %		0.0002564	3.16455	0.0399139	37.2489	563.592	42.44 ± 0.11	99.96	1.47	5.1 ± 5.4
15D04031	3.2 %		0.0009989	0.67635	0.0000000	26.3847	398.303	42.34 ± 0.15	99.90	1.04	16.8 ± 84.0
15D04032	3.6 %		0.0001838	3.43153	0.0007264	33.5820	505.287	42.20 ± 0.12	99.96	1.33	4.2 ± 4.4
15D04033	4.0 %		0.0004662	2.47752	0.0078549	57.7586	869.461	42.22 ± 0.09	99.96	2.28	10.0 ± 14.3
15D04035	4.5 %		0.0017185	5.76741	0.0000000	84.7991	1277.794	42.26 ± 0.08	99.93	3.35	6.3 ± 3.9
15D04036	5.0 %		0.0022936	2.06019	0.0217029	86.0196	1294.893	42.22 ± 0.07	99.92	3.40	18.0 ± 29.0
15D04037	5.5 %	✓	0.0056529	7.59627	0.0000000	124.7243	1882.616	42.33 ± 0.07	99.89	4.93	7.1 ± 3.3
15D04039	6.0 %	✓	0.0027059	10.77260	0.0000000	148.1714	2234.584	42.30 ± 0.07	99.94	5.86	5.9 ± 2.0
15D04040	6.7 %	✓	0.0137990	11.42076	0.0000000	184.3604	2781.615	42.32 ± 0.06	99.83	7.29	6.9 ± 2.2
15D04041	7.4 %	✓	0.0145512	13.40300	0.0000000	186.4231	2813.787	42.33 ± 0.06	99.82	7.37	6.0 ± 1.6
15D04043	8.3 %	✓	0.0005045	12.26538	0.0000000	191.8150	2895.803	42.34 ± 0.06	99.97	7.58	6.7 ± 1.9
15D04044	9.5 %	✓	0.0027046	21.40693	0.0000000	318.9085	4811.131	42.31 ± 0.06	99.96	12.61	6.4 ± 1.1
15D04045	11.0 %	✓	0.0044979	18.85265	0.0000000	304.4310	4592.654	42.31 ± 0.06	99.95	12.04	6.9 ± 1.3
15D04047	13.0 %	✓	0.0008737	10.85244	0.0000000	188.2066	2842.819	42.36 ± 0.06	99.97	7.44	7.5 ± 2.4
15D04048	15.5 %	✓	0.0002916	9.76612	0.0000000	132.1765	1997.846	42.39 ± 0.07	99.98	5.23	5.8 ± 2.1
15D04050	18.5 %		0.0005541	5.85152	0.0000000	142.8500	2160.905	42.43 ± 0.07	99.98	5.65	10.5 ± 5.9
15D04051	21.5 %		0.0017217	9.46371	0.0040597	135.6746	2057.751	42.54 ± 0.07	100.00	5.36	6.2 ± 2.3
15D04053	24.5 %		0.0019575	8.53331	0.0000000	108.9442	1653.496	42.57 ± 0.07	100.01	4.31	5.5 ± 2.3
		Σ	0.0491133	158.55558	0.0832792	2529.0018	38193.371				

Information on Analysis

Project = **MV1203 (13-INT-04)**
Sample = **MV1203-D61-07C**
Material = **Alkali-Feldspar**
Location = **Maybe Guyot**
Region = **Walvis Ridge**
Analyst = **Susan Schnur**
Irradiation = **14-OSU-04 (R98)**
J = **0.00156930 ± 0.00000300**
FCT-NM = **28.201 ± 0.023 Ma**

Results	40(r)/39(k) ± 2σ		Age ± 2σ (Ma)		MSWD	39Ar(k) (%,n)	K/Ca ± 2σ
Age Plateau	15.09367	± 0.00780	**42.33**	**± 0.16**	0.79	70.35	6.5 ± 0.6
		± 0.05%		**± 0.38%**	61%	9	
			Full External Error	± 0.96	2.00	2σ Confidence Limit	
			Analytical Error	± 0.02	1.0000	Error Magnification	
Total Fusion Age	15.10215	± 0.00640	**42.36**	**± 0.16**		21	6.9 ± 0.7
		± 0.04%		**± 0.38%**			
			Full External Error	± 0.96			
			Analytical Error	± 0.02			

Normal Isochron			39(k)/36(a) ± 2σ		40(a+r)/36(a) ± 2σ		r.i.
15D04025	1.8 %		12682.13	± 26805.64	197316.29	± 417056.20	1.0000
15D04027	2.0 %		14594.94	± 34871.21	222690.35	± 532064.47	1.0000
15D04028	2.4 %		6309.07	± 4950.44	95908.06	± 75253.11	1.0000
15D04029	2.8 %		145280.32	± 1013722.58	2198448.87	± 15340116.56	1.0000
15D04031	3.2 %		26413.92	± 48845.02	399039.08	± 737907.96	1.0000
15D04032	3.6 %		182690.11	± 1870790.31	2749122.08	± 28151664.40	1.0000
15D04033	4.0 %		123899.52	± 487386.72	1865399.75	± 7337970.14	1.0000
15D04035	4.5 %		49345.09	± 54280.46	743851.05	± 818248.14	1.0000
15D04036	5.0 %		37504.10	± 30890.62	564862.45	± 465253.48	1.0000
15D04037	5.5 %	✓	22063.64	± 7770.58	333329.08	± 117393.77	1.0000
15D04039	6.0 %	✓	54759.49	± 39816.21	826127.39	± 600684.78	1.0000
15D04040	6.7 %	✓	13360.46	± 1968.80	201877.02	± 29747.10	0.9999
15D04041	7.4 %	✓	12811.50	± 1842.09	193666.54	± 27844.57	0.9999
15D04043	8.3 %	✓	380202.62	± 1525501.99	5740159.39	± 23031466.91	1.0000
15D04044	9.5 %	✓	117915.10	± 95027.04	1779191.54	± 1433836.85	1.0000
15D04045	11.0 %	✓	67682.43	± 33906.74	1021354.19	± 511663.65	1.0000
15D04047	13.0 %	✓	215402.77	± 497166.57	3253906.92	± 7510272.00	1.0000
15D04048	15.5 %	✓	453303.13	± 3183051.16	6851376.03	± 48109704.63	1.0000
15D04050	18.5 %		257785.27	± 915311.61	3899245.74	± 13844951.24	1.0000
15D04051	21.5 %		78802.50	± 89593.96	1194887.43	± 1358517.80	1.0000
15D04053	24.5 %		55654.44	± 55815.95	844397.31	± 846846.61	1.0000

Results	40(a)/36(a) ± 2σ		40(r)/39(k) ± 2σ		Age ± 2σ (Ma)		MSWD
Normal Isochron	**16.98**	**± 300.62** **± 1770.81%**	15.10767	± 0.01381 ± 0.09%	**42.37**	**± 0.16** **± 0.39%**	1.02 41%
					Full External Error	± 0.97	
					Analytical Error	± 0.04	

Statistics				
	2σ Confidence Limit	2.07	Convergence	0.000000008316
	Error Magnification	1.0121	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.
15D04025	1.8 %		0.0642731 ± 0.0004515	0.00000507 ± 0.00001071	0.0001
15D04027	2.0 %		0.0655392 ± 0.0004568	0.00000449 ± 0.00001073	0.0001
15D04028	2.4 %		0.0657825 ± 0.0003406	0.00001043 ± 0.00000818	0.0002
15D04029	2.8 %		0.0660831 ± 0.0001683	0.00000045 ± 0.00000317	0.0000
15D04031	3.2 %		0.0661938 ± 0.0002114	0.00000251 ± 0.00000463	0.0000
15D04032	3.6 %		0.0664540 ± 0.0001749	0.00000036 ± 0.00000372	0.0000
15D04033	4.0 %		0.0664198 ± 0.0001324	0.00000054 ± 0.00000211	0.0000
15D04035	4.5 %		0.0663373 ± 0.0001159	0.00000134 ± 0.00000148	0.0000
15D04036	5.0 %		0.0663951 ± 0.0001141	0.00000177 ± 0.00000146	0.0000
15D04037	5.5 %	✓	0.0661918 ± 0.0001061	0.00000300 ± 0.00000106	0.0000
15D04039	6.0 %	✓	0.0662846 ± 0.0001037	0.00000121 ± 0.00000088	0.0000
15D04040	6.7 %	✓	0.0661812 ± 0.0001006	0.00000495 ± 0.00000073	0.0001
15D04041	7.4 %	✓	0.0661524 ± 0.0001016	0.00000516 ± 0.00000074	0.0001
15D04043	8.3 %	✓	0.0662356 ± 0.0001007	0.00000017 ± 0.00000070	0.0000
15D04044	9.5 %	✓	0.0662745 ± 0.0000978	0.00000056 ± 0.00000045	0.0000
15D04045	11.0 %	✓	0.0662673 ± 0.0000982	0.00000098 ± 0.00000049	0.0000
15D04047	13.0 %	✓	0.0661982 ± 0.0001011	0.00000031 ± 0.00000071	0.0000
15D04048	15.5 %	✓	0.0661623 ± 0.0001052	0.00000015 ± 0.00000102	0.0000
15D04050	18.5 %		0.0661116 ± 0.0001040	0.00000026 ± 0.00000091	0.0000
15D04051	21.5 %		0.0659497 ± 0.0001051	0.00000084 ± 0.00000095	0.0000
15D04053	24.5 %		0.0659103 ± 0.0001101	0.00000118 ± 0.00000119	0.0000

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	**194.22 ± 139.29**	15.09645 ± 0.01054	**42.34 ± 0.16**	0.82
Clustered Points	**± 71.72%**	± 0.07%	**± 0.38%**	57%
			Full External Error ± 0.96	
			Analytical Error ± 0.03	

Statistics				
	2σ Confidence Limit	2.07	Convergence	0.0000380327
	Error Magnification	1.0000	Number of Iterations	4
	Number of Data Points	9	Calculated Line	Weighted York-2
	Spreading Factor	0.2%		

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
15D04025	1.8 %		0.0008658	105.68	0.0000000	0.00	0.0001648	291.82	0.0000000	0.00	0.61903	291.82	0.0001618	105.68	0.0000000	0.00	0.132101	0.38	0.0000444	292.10	0.0000000	0.00	10.9800	0.35	0.0004182	291.82	170.578	0.17	0.255841	105.68	0.0000000	0.00	0.0419767	2.68
15D04027	2.0 %		0.0007495	119.46	0.0000000	0.00	0.0004938	89.24	0.0000027	430.05	1.85425	89.24	0.0001401	119.46	0.0000000	0.00	0.131607	0.38	0.0001331	90.16	0.0090213	430.05	10.9390	0.34	0.0012527	89.25	167.129	0.17	0.221478	119.46	0.0000000	0.00	0.0418196	2.68
15D04028	2.4 %		0.0023148	39.23	0.0000000	0.00	0.0002426	187.72	0.0000000	0.00	0.91083	187.72	0.0004326	39.23	0.0000000	0.00	0.175705	0.30	0.0000654	188.16	0.0000000	0.00	14.6044	0.26	0.0006154	187.72	221.326	0.13	0.684029	39.23	0.0000000	0.00	0.0558325	2.67
15D04029	2.8 %		0.0002564	348.88	0.0000000	0.00	0.0008427	52.99	0.0000120	96.77	3.16455	52.99	0.0000479	348.88	0.0000000	0.00	0.448142	0.20	0.0002272	54.52	0.0399139	96.78	37.2489	0.13	0.0021380	53.01	563.592	0.05	0.075764	348.88	0.0000000	0.00	0.1424026	2.66
15D04031	3.2 %		0.0009989	92.46	0.0000000	0.00	0.0001801	250.52	0.0000000	0.00	0.67635	250.52	0.0001867	92.46	0.0000000	0.00	0.317434	0.22	0.0000486	250.85	0.0000000	0.00	26.3847	0.16	0.0004569	250.53	398.303	0.07	0.295173	92.46	0.0000000	0.00	0.1008688	2.66
15D04032	3.6 %		0.0001838	512.01	0.0000000	0.00	0.0009138	52.52	0.0000002	######	3.43153	52.52	0.0000344	512.01	0.0000000	0.00	0.404024	0.21	0.0002464	54.06	0.0007264	######	33.5820	0.13	0.0023183	52.54	505.287	0.06	0.054319	512.01	0.0000000	0.00	0.1283838	2.66
15D04033	4.0 %		0.0004662	196.69	0.0000000	0.00	0.0006598	71.20	0.0000024	479.34	2.47752	71.19	0.0000871	196.69	0.0000000	0.00	0.694894	0.19	0.0001779	72.34	0.0078549	479.34	57.7586	0.10	0.0016738	71.21	869.461	0.03	0.137754	196.69	0.0000000	0.00	0.2208111	2.66
15D04035	4.5 %		0.0017185	55.00	0.0000000	0.00	0.0015359	30.56	0.0000000	0.00	5.76741	30.56	0.0003212	55.00	0.0000000	0.00	1.020218	0.18	0.0004141	33.14	0.0000000	0.00	84.7991	0.09	0.0038965	30.59	1277.794	0.02	0.507814	55.00	0.0000000	0.00	0.3241870	2.66
15D04036	5.0 %		0.0022936	41.18	0.0000000	0.00	0.0005486	80.79	0.0000065	185.89	2.06019	80.79	0.0004287	41.18	0.0000000	0.00	1.034902	0.18	0.0001479	81.80	0.0217029	185.90	86.0196	0.09	0.0013919	80.80	1294.893	0.02	0.677760	41.18	0.0000000	0.00	0.3288529	2.66
15D04037	5.5 %	✓	0.0056529	17.61	0.0000000	0.00	0.0020229	23.31	0.0000000	0.00	7.59627	23.31	0.0010565	17.61	0.0000000	0.00	1.500558	0.18	0.0005454	26.60	0.0000000	0.00	124.7243	0.08	0.0051320	23.35	1882.616	0.02	1.670442	17.61	0.0000000	0.00	0.4768209	2.66
15D04039	6.0 %	✓	0.0027059	36.36	0.0000000	0.00	0.0028687	16.59	0.0000000	0.00	10.77260	16.59	0.0005057	36.36	0.0000000	0.00	1.782650	0.18	0.0007735	20.97	0.0000000	0.00	148.1714	0.08	0.0072780	16.65	2234.584	0.01	0.799581	36.36	0.0000000	0.00	0.5664592	2.66
15D04040	6.7 %	✓	0.0137990	7.37	0.0000000	0.00	0.0030413	15.88	0.0000000	0.00	11.42076	15.88	0.0025790	7.37	0.0000000	0.00	2.218040	0.18	0.0008200	20.41	0.0000000	0.00	184.3604	0.08	0.0077159	15.93	2781.615	0.01	4.077593	7.37	0.0000000	0.00	0.7048098	2.66
15D04041	7.4 %	✓	0.0145512	7.19	0.0000000	0.00	0.0035692	13.08	0.0000000	0.00	13.40300	13.08	0.0027196	7.19	0.0000000	0.00	2.242856	0.18	0.0009623	18.31	0.0000000	0.00	186.4231	0.08	0.0090551	13.14	2813.787	0.01	4.299890	7.19	0.0000000	0.00	0.7126955	2.66
15D04043	8.3 %	✓	0.0005045	200.62	0.0000000	0.00	0.0032663	13.94	0.0000000	0.00	12.26538	13.94	0.0000943	200.62	0.0000000	0.00	2.307726	0.18	0.0008807	18.94	0.0000000	0.00	191.8150	0.08	0.0082865	14.00	2895.803	0.01	0.149082	200.62	0.0000000	0.00	0.7333087	2.66
15D04044	9.5 %	✓	0.0027046	40.29	0.0000000	0.00	0.0057007	8.20	0.0000000	0.00	21.40693	8.20	0.0005055	40.29	0.0000000	0.00	3.836788	0.18	0.0015370	15.22	0.0000000	0.00	318.9085	0.07	0.0144625	8.30	4811.131	0.01	0.799198	40.29	0.0000000	0.00	1.2191871	2.66
15D04045	11.0 %	✓	0.0044979	25.05	0.0000000	0.00	0.0050205	9.48	0.0000000	0.00	18.85265	9.48	0.0008407	25.05	0.0000000	0.00	3.662610	0.18	0.0013536	15.95	0.0000000	0.00	304.4310	0.07	0.0127368	9.58	4592.654	0.01	1.329139	25.05	0.0000000	0.00	1.1638398	2.66
15D04047	13.0 %	✓	0.0008737	115.40	0.0000000	0.00	0.0028900	16.37	0.0000000	0.00	10.85244	16.37	0.0001633	115.40	0.0000000	0.00	2.264313	0.18	0.0007792	20.79	0.0000000	0.00	188.2066	0.08	0.0073319	16.42	2842.819	0.01	0.258191	115.40	0.0000000	0.00	0.7195138	2.66
15D04048	15.5 %	✓	0.0002916	351.10	0.0000000	0.00	0.0026007	18.26	0.0000000	0.00	9.76612	18.26	0.0000545	351.10	0.0000000	0.00	1.590215	0.18	0.0007012	22.31	0.0000000	0.00	132.1765	0.08	0.0065980	18.30	1997.846	0.02	0.086163	351.10	0.0000000	0.00	0.5053106	2.66
15D04050	18.5 %		0.0005541	177.53	0.0000000	0.00	0.0015583	28.29	0.0000000	0.00	5.85152	28.29	0.0001036	177.53	0.0000000	0.00	1.718629	0.18	0.0004201	31.06	0.0000000	0.00	142.8500	0.08	0.0039533	28.32	2160.905	0.02	0.163749	177.53	0.0000000	0.00	0.5461157	2.66
15D04051	21.5 %		0.0017217	56.85	0.0000000	0.00	0.0025202	18.60	0.0000012	973.65	9.46371	18.60	0.0003218	56.85	0.0000000	0.00	1.632301	0.18	0.0006795	22.59	0.0040597	973.65	135.6746	0.08	0.0063937	18.65	2057.751	0.02	0.508764	56.85	0.0000000	0.00	0.5186840	2.66
15D04053	24.5 %		0.0019575	50.15	0.0000000	0.00	0.0022724	20.84	0.0000000	0.00	8.53331	20.84	0.0003659	50.15	0.0000000	0.00	1.310708	0.18	0.0006127	24.46	0.0000000	0.00	108.9442	0.08	0.0057651	20.88	1653.496	0.02	0.578445	50.15	0.0000000	0.00	0.4164937	2.66
		Σ	0.0491133	9.14	0.0000000	0.00	0.0422234	5.05	0.0000250	113.91	158.55558	5.05	0.0091793	9.14	0.0000000	0.00	30.426421	0.05	0.0113843	6.17	0.0832792	113.89	2529.0018	0.02	0.1071201	5.06	38193.371	0.00	14.512970	9.14	0.0000000	0.00	9.6683739	0.72
		Σ							0.0913616	5.44	158.55558	5.05									30.530263	0.31			2529.1089	0.02							38217.552	0.01

Additional Parameters			40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
15D04025	1.8 %		15.563019	0.054632	0.056380	0.164526	0.000064	0.000071	184.732	38.524459	1.00130520	8.202E-12
15D04027	2.0 %		15.260123	0.053153	0.169489	0.151252	0.000023	0.000071	184.751	38.538730	1.00130533	8.014E-12
15D04028	2.4 %		15.204790	0.039345	0.062364	0.117070	0.000175	0.000054	184.760	38.546131	1.00130540	1.066E-11
15D04029	2.8 %		15.135415	0.019261	0.084952	0.045015	0.000030	0.000021	184.770	38.553534	1.00130547	2.706E-11
15D04031	3.2 %		15.111234	0.024124	0.025635	0.064221	0.000031	0.000031	184.789	38.567815	1.00130560	1.914E-11
15D04032	3.6 %		15.050791	0.019792	0.102177	0.053662	0.000033	0.000024	184.798	38.574693	1.00130567	2.426E-11
15D04033	4.0 %		15.059133	0.015000	0.042893	0.030538	0.000020	0.000014	184.808	38.582101	1.00130574	4.175E-11
15D04035	4.5 %		15.077599	0.013168	0.068009	0.020786	0.000038	0.000010	184.825	38.595334	1.00130586	6.137E-11
15D04036	5.0 %		15.064930	0.012945	0.023950	0.019350	0.000033	0.000010	184.834	38.602217	1.00130592	6.220E-11
15D04037	5.5 %	✓	15.110819	0.012114	0.060902	0.014195	0.000062	0.000007	184.843	38.609101	1.00130599	9.047E-11
15D04039	6.0 %	✓	15.089553	0.011797	0.072700	0.012064	0.000038	0.000006	184.860	38.622343	1.00130611	1.073E-10
15D04040	6.7 %	✓	15.113231	0.011481	0.061945	0.009834	0.000091	0.000005	184.869	38.628700	1.00130617	1.337E-10
15D04041	7.4 %	✓	15.119709	0.011606	0.071892	0.009401	0.000097	0.000005	184.878	38.635589	1.00130623	1.353E-10
15D04043	8.3 %	✓	15.100803	0.011480	0.063941	0.008913	0.000020	0.000005	184.894	38.648310	1.00130635	1.390E-10
15D04044	9.5 %	✓	15.091889	0.011133	0.067123	0.005504	0.000026	0.000003	184.903	38.655202	1.00130641	2.310E-10
15D04045	11.0 %	✓	15.093580	0.011179	0.061925	0.005873	0.000031	0.000003	184.912	38.661566	1.00130647	2.206E-10
15D04047	13.0 %	✓	15.109386	0.011535	0.057660	0.009437	0.000020	0.000005	184.929	38.674825	1.00130660	1.365E-10
15D04048	15.5 %	✓	15.117405	0.012015	0.073883	0.013488	0.000017	0.000007	184.938	38.681722	1.00130666	9.592E-11
15D04050	18.5 %		15.129349	0.011904	0.040962	0.011588	0.000007	0.000006	184.956	38.694989	1.00130678	1.037E-10
15D04051	21.5 %		15.166173	0.012079	0.069750	0.012973	0.000006	0.000006	184.965	38.701890	1.00130685	9.877E-11
15D04053	24.5 %		15.175165	0.012670	0.078323	0.016320	0.000003	0.000008	184.982	38.715164	1.00130697	7.936E-11

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
15D04025	1.8 %	0.0087946 ± 0.0006549	0.0102550 ± 0.0315205	0.0325518 ± 0.0269598	0.1054540 ± 0.0253224	3.4586758 ± 0.0909927
15D04027	2.0 %	0.0085944 ± 0.0006549	0.0134900 ± 0.0315205	0.0485389 ± 0.0269598	0.0841321 ± 0.0253224	3.1167613 ± 0.0909927
15D04028	2.4 %	0.0084900 ± 0.0006549	0.0152285 ± 0.0315205	0.0552614 ± 0.0269598	0.0730482 ± 0.0253224	2.9637884 ± 0.0909927
15D04029	2.8 %	0.0083884 ± 0.0006549	0.0169089 ± 0.0315205	0.0609147 ± 0.0269598	0.0623169 ± 0.0253224	2.8262943 ± 0.0909927
15D04031	3.2 %	0.0082075 ± 0.0006549	0.0197507 ± 0.0315205	0.0688628 ± 0.0269598	0.0434689 ± 0.0253224	2.6016805 ± 0.0909927
15D04032	3.6 %	0.0081302 ± 0.0006549	0.0208413 ± 0.0315205	0.0713554 ± 0.0269598	0.0355789 ± 0.0253224	2.5111353 ± 0.0909927
15D04033	4.0 %	0.0080558 ± 0.0006549	0.0217615 ± 0.0315205	0.0731261 ± 0.0269598	0.0281189 ± 0.0253224	2.4253754 ± 0.0909927
15D04035	4.5 %	0.0079480 ± 0.0006549	0.0226562 ± 0.0315205	0.0741210 ± 0.0269598	0.0177478 ± 0.0253224	2.2999648 ± 0.0909927
15D04036	5.0 %	0.0079055 ± 0.0006549	0.0227112 ± 0.0315205	0.0736571 ± 0.0269598	0.0139235 ± 0.0253224	2.2475052 ± 0.0909927
15D04037	5.5 %	0.0078725 ± 0.0006549	0.0224752 ± 0.0315205	0.0726142 ± 0.0269598	0.0111774 ± 0.0253224	2.2029071 ± 0.0909927
15D04039	6.0 %	0.0078348 ± 0.0006549	0.0212092 ± 0.0315205	0.0692861 ± 0.0269598	0.0087944 ± 0.0253224	2.1368252 ± 0.0909927
15D04040	6.7 %	0.0078280 ± 0.0006549	0.0202380 ± 0.0315205	0.0672277 ± 0.0269598	0.0088888 ± 0.0253224	2.1132070 ± 0.0909927
15D04041	7.4 %	0.0078282 ± 0.0006549	0.0189410 ± 0.0315205	0.0647883 ± 0.0269598	0.0097716 ± 0.0253224	2.0927513 ± 0.0909927
15D04043	8.3 %	0.0078454 ± 0.0006549	0.0159654 ± 0.0315205	0.0600945 ± 0.0269598	0.0130697 ± 0.0253224	2.0668826 ± 0.0909927
15D04044	9.5 %	0.0078615 ± 0.0006549	0.0141012 ± 0.0315205	0.0576787 ± 0.0269598	0.0154437 ± 0.0253224	2.0581475 ± 0.0909927
15D04045	11.0 %	0.0078790 ± 0.0006549	0.0122698 ± 0.0315205	0.0556796 ± 0.0269598	0.0177723 ± 0.0253224	2.0526673 ± 0.0909927
15D04047	13.0 %	0.0079168 ± 0.0006549	0.0082931 ± 0.0315205	0.0527465 ± 0.0269598	0.0221884 ± 0.0253224	2.0470026 ± 0.0909927
15D04048	15.5 %	0.0079332 ± 0.0006549	0.0062496 ± 0.0315205	0.0521763 ± 0.0269598	0.0237326 ± 0.0253224	2.0459555 ± 0.0909927
15D04050	18.5 %	0.0079475 ± 0.0006549	0.0026774 ± 0.0315205	0.0536918 ± 0.0269598	0.0238179 ± 0.0253224	2.0447720 ± 0.0909927
15D04051	21.5 %	0.0079408 ± 0.0006549	0.0011546 ± 0.0315205	0.0561885 ± 0.0269598	0.0216810 ± 0.0253224	2.0434100 ± 0.0909927
15D04053	24.5 %	0.0078866 ± 0.0006549	0.0007338 ± 0.0315205	0.0651644 ± 0.0269598	0.0115776 ± 0.0253224	2.0365790 ± 0.0909927

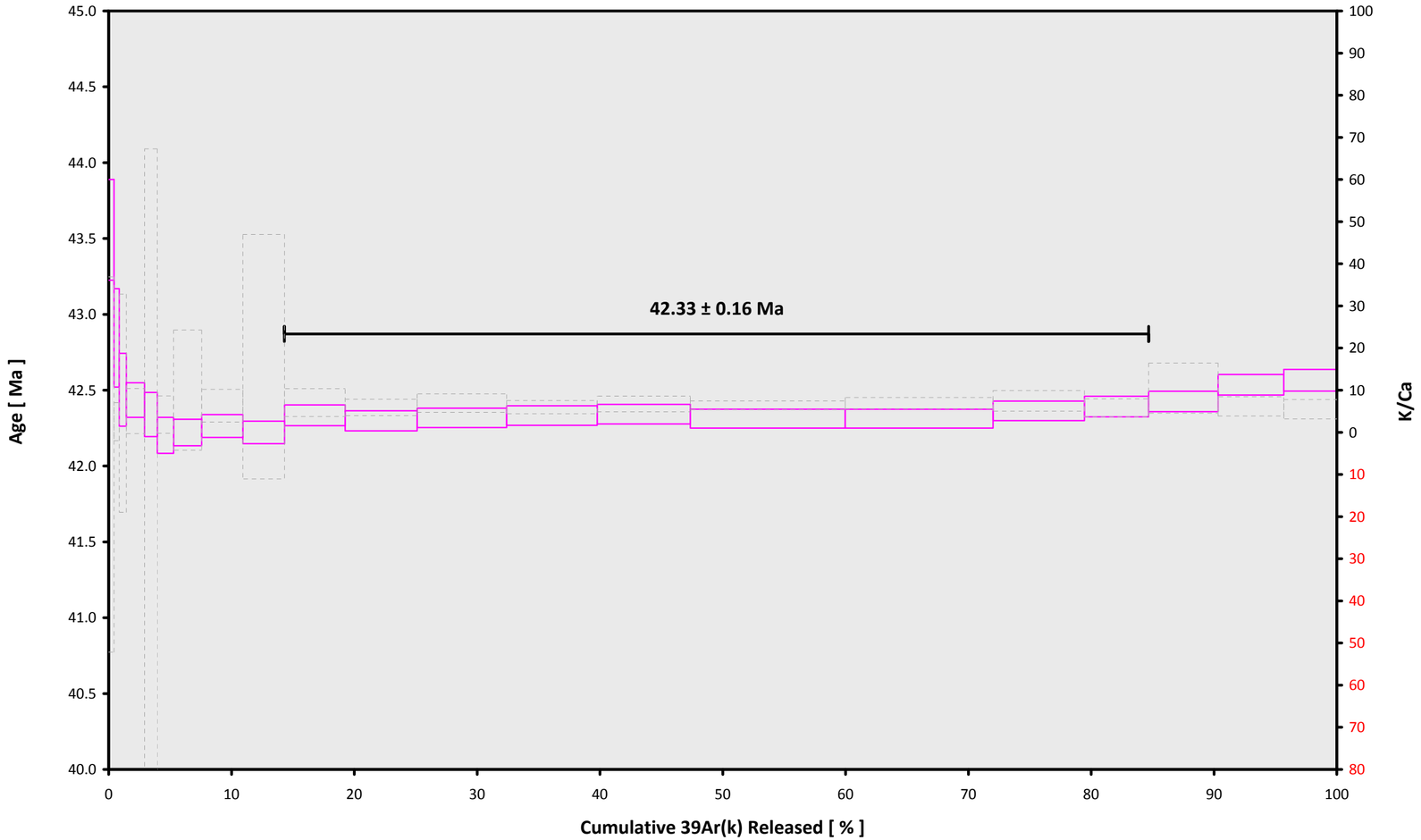
Intercept Values		36Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	37Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	38Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	39Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	40Ar ± 1σ (SE) [fA]	r2	Regression (type,n)
15D04025	1.8 %	0.0094604 ± 0.0003430	0.8687	EXP 150 of 150	0.0054968 ± 0.0334572	0.0012	EXP 150 of 150	0.0457040 ± 0.0281601	0.0096	EXP 150 of 150	10.99878 ± 0.02684	0.8575	EXP 150 of 150	174.8227 ± 0.0382	0.9107	EXP 150 of 150
15D04027	2.0 %	0.0083541 ± 0.0003451	0.8665	EXP 150 of 150	0.0606558 ± 0.0278923	0.0064	EXP 150 of 150	0.0902323 ± 0.0271746	0.0113	EXP 150 of 150	10.93834 ± 0.02621	0.8520	EXP 150 of 150	170.5423 ± 0.0356	0.9456	EXP 150 of 150
15D04028	2.4 %	0.0109192 ± 0.0003579	0.8675	EXP 150 of 150	0.0383925 ± 0.0299540	0.0006	EXP 150 of 150	0.0714374 ± 0.0265669	0.0045	EXP 149 of 150	14.56322 ± 0.02479	0.9244	EXP 150 of 150	225.6634 ± 0.0389	0.9915	EXP 150 of 150
15D04029	2.8 %	0.0094438 ± 0.0003361	0.9396	EXP 150 of 150	0.0973735 ± 0.0287085	0.0121	EXP 150 of 150	0.4209923 ± 0.0269175	0.0369	EXP 150 of 150	37.02054 ± 0.02848	0.9861	EXP 150 of 150	568.2460 ± 0.0613	0.9991	EXP 150 of 150
15D04031	3.2 %	0.0089852 ± 0.0003962	0.8803	EXP 150 of 150	0.0025595 ± 0.0293476	0.0265	EXP 149 of 150	0.2250138 ± 0.0291237	0.0000	EXP 150 of 150	26.22032 ± 0.02654	0.9744	EXP 150 of 150	402.4386 ± 0.0481	0.9986	EXP 150 of 150
15D04032	3.6 %	0.0091731 ± 0.0004029	0.8972	EXP 149 of 150	0.1080464 ± 0.0332231	0.0048	EXP 150 of 150	0.3283484 ± 0.0250385	0.0108	EXP 150 of 150	33.35585 ± 0.02556	0.9855	EXP 150 of 150	509.4241 ± 0.0571	0.9990	EXP 150 of 150
15D04033	4.0 %	0.0091276 ± 0.0003611	0.9547	EXP 150 of 150	0.0847105 ± 0.0318567	0.0025	EXP 150 of 150	0.6206399 ± 0.0255123	0.0339	EXP 149 of 150	57.33433 ± 0.02923	0.9938	EXP 150 of 150	874.7282 ± 0.0748	0.9996	EXP 150 of 150
15D04035	4.5 %	0.0110393 ± 0.0004222	0.9587	EXP 150 of 150	0.1691444 ± 0.0317859	0.0015	EXP 150 of 150	0.9214363 ± 0.0298990	0.0149	EXP 150 of 150	84.15411 ± 0.03202	0.9965	EXP 150 of 150	1284.5762 ± 0.0790	0.9998	EXP 150 of 150
15D04036	5.0 %	0.0106115 ± 0.0004457	0.9563	EXP 150 of 150	0.0750292 ± 0.0281614	0.0485	EXP 150 of 150	0.9696177 ± 0.0291942	0.0429	EXP 150 of 150	85.35867 ± 0.02990	0.9971	EXP 150 of 150	1301.8472 ± 0.0853	0.9998	EXP 150 of 150
15D04037	5.5 %	0.0151636 ± 0.0005139	0.9661	EXP 150 of 150	0.2153463 ± 0.0320329	0.0016	EXP 150 of 150	1.3857052 ± 0.0267314	0.0229	EXP 150 of 150	123.76007 ± 0.03429	0.9982	EXP 150 of 150	1892.3475 ± 0.1079	0.9998	EXP 150 of 150
15D04039	6.0 %	0.0131300 ± 0.0004894	0.9760	EXP 150 of 150	0.2946343 ± 0.0325976	0.0117	EXP 150 of 150	1.6743834 ± 0.0296738	0.0851	EXP 150 of 150	147.02256 ± 0.03562	0.9986	EXP 150 of 150	2244.4700 ± 0.1173	0.9999	EXP 150 of 150
15D04040	6.7 %	0.0238245 ± 0.0005395	0.9795	EXP 150 of 150	0.3100666 ± 0.0334799	0.0079	EXP 150 of 150	2.1058173 ± 0.0264132	0.1347	EXP 150 of 150	182.92760 ± 0.03492	0.9991	EXP 150 of 150	2796.4660 ± 0.1237	0.9999	EXP 150 of 150
15D04041	7.4 %	0.0250406 ± 0.0005994	0.9754	EXP 150 of 150	0.3590130 ± 0.0313060	0.0020	EXP 149 of 150	2.1409549 ± 0.0262729	0.1367	EXP 150 of 150	184.97629 ± 0.04099	0.9988	EXP 150 of 150	2828.9402 ± 0.1241	0.9999	EXP 150 of 150
15D04043	8.3 %	0.0114272 ± 0.0005552	0.9795	EXP 150 of 150	0.3270703 ± 0.0297291	0.0006	EXP 149 of 150	2.1719390 ± 0.0258700	0.1067	EXP 149 of 150	190.32830 ± 0.03747	0.9991	EXP 150 of 150	2907.0222 ± 0.1314	0.9999	EXP 150 of 150
15D04044	9.5 %	0.0158456 ± 0.0006670	0.9880	EXP 150 of 150	0.5569799 ± 0.0312764	0.0108	EXP 150 of 150	3.7287868 ± 0.0269767	0.3760	EXP 150 of 150	316.43113 ± 0.04197	0.9996	EXP 150 of 150	4828.9492 ± 0.1774	0.9999	EXP 150 of 150
15D04045	11.0 %	0.0169204 ± 0.0007149	0.9853	EXP 150 of 150	0.4902935 ± 0.0324706	0.0000	EXP 150 of 150	3.4876448 ± 0.0304077	0.2384	EXP 150 of 150	302.06809 ± 0.04443	0.9995	EXP 150 of 150	4610.3181 ± 0.1468	0.9999	EXP 150 of 150
15D04047	13.0 %	0.0114919 ± 0.0005352	0.9823	EXP 150 of 150	0.2833707 ± 0.0321064	0.0086	EXP 150 of 150	2.0938824 ± 0.0294210	0.0521	EXP 150 of 150	186.75640 ± 0.03857	0.9990	EXP 150 of 150	2853.9626 ± 0.1360	0.9999	EXP 150 of 150
15D04048	15.5 %	0.0101266 ± 0.0005597	0.9674	EXP 150 of 150	0.2537481 ± 0.0323396	0.0072	EXP 150 of 150	1.5040357 ± 0.0309847	0.0779	EXP 149 of 150	131.16759 ± 0.03490	0.9983	EXP 150 of 150	2006.0158 ± 0.1108	0.9998	EXP 150 of 150
15D04050	18.5 %	0.0089013 ± 0.0005186	0.9736	EXP 150 of 150	0.1509192 ± 0.0276513	0.0440	EXP 150 of 150	1.6211245 ± 0.0261169	0.1282	EXP 149 of 150	141.75469 ± 0.03590	0.9985	EXP 150 of 150	2169.5030 ± 0.1150	0.9998	EXP 150 of 150
15D04051	21.5 %	0.0087004 ± 0.0004868	0.9765	EXP 150 of 150	0.2408644 ± 0.0315002	0.0077	EXP 150 of 150	1.5590003 ± 0.0279421	0.1375	EXP 150 of 150	134.63593 ± 0.03692	0.9982	EXP 150 of 150	2065.6796 ± 0.1190	0.9998	EXP 150 of 150
15D04053	24.5 %	0.0081857 ± 0.0004880	0.9653	EXP 150 of 150	0.2153353 ± 0.0321235	0.0054	EXP 150 of 150	1.2260923 ± 0.0299015	0.0488	EXP 150 of 150	108.10496 ± 0.03691	0.9972	EXP 150 of 150	1660.0906 ± 0.1064	0.9998	EXP 150 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
15D04025	1.8 %	Susan Schnur	14-OSU-04	0.00	0.00	50.30	Walvis Ridge\MV1203 (13-INT-04)	15D04024	01
15D04027	2.0 %	Susan Schnur	14-OSU-04	0.00	0.00	50.30	Walvis Ridge\MV1203 (13-INT-04)	15D04024	01
15D04028	2.4 %	Susan Schnur	14-OSU-04	0.00	0.00	50.30	Walvis Ridge\MV1203 (13-INT-04)	15D04024	01
15D04029	2.8 %	Susan Schnur	14-OSU-04	0.00	0.00	50.30	Walvis Ridge\MV1203 (13-INT-04)	15D04024	01
15D04031	3.2 %	Susan Schnur	14-OSU-04	0.00	0.00	50.30	Walvis Ridge\MV1203 (13-INT-04)	15D04024	01
15D04032	3.6 %	Susan Schnur	14-OSU-04	0.00	0.00	50.30	Walvis Ridge\MV1203 (13-INT-04)	15D04024	01
15D04033	4.0 %	Susan Schnur	14-OSU-04	0.00	0.00	50.30	Walvis Ridge\MV1203 (13-INT-04)	15D04024	01
15D04035	4.5 %	Susan Schnur	14-OSU-04	0.00	0.00	50.30	Walvis Ridge\MV1203 (13-INT-04)	15D04024	01
15D04036	5.0 %	Susan Schnur	14-OSU-04	0.00	0.00	50.30	Walvis Ridge\MV1203 (13-INT-04)	15D04024	01
15D04037	5.5 %	Susan Schnur	14-OSU-04	0.00	0.00	50.30	Walvis Ridge\MV1203 (13-INT-04)	15D04024	01
15D04039	6.0 %	Susan Schnur	14-OSU-04	0.00	0.00	50.30	Walvis Ridge\MV1203 (13-INT-04)	15D04024	01
15D04040	6.7 %	Susan Schnur	14-OSU-04	0.00	0.00	50.30	Walvis Ridge\MV1203 (13-INT-04)	15D04024	01
15D04041	7.4 %	Susan Schnur	14-OSU-04	0.00	0.00	50.30	Walvis Ridge\MV1203 (13-INT-04)	15D04024	01
15D04043	8.3 %	Susan Schnur	14-OSU-04	0.00	0.00	50.30	Walvis Ridge\MV1203 (13-INT-04)	15D04024	01
15D04044	9.5 %	Susan Schnur	14-OSU-04	0.00	0.00	50.30	Walvis Ridge\MV1203 (13-INT-04)	15D04024	01
15D04045	11.0 %	Susan Schnur	14-OSU-04	0.00	0.00	50.30	Walvis Ridge\MV1203 (13-INT-04)	15D04024	01
15D04047	13.0 %	Susan Schnur	14-OSU-04	0.00	0.00	50.30	Walvis Ridge\MV1203 (13-INT-04)	15D04024	01
15D04048	15.5 %	Susan Schnur	14-OSU-04	0.00	0.00	50.30	Walvis Ridge\MV1203 (13-INT-04)	15D04024	01
15D04050	18.5 %	Susan Schnur	14-OSU-04	0.00	0.00	50.30	Walvis Ridge\MV1203 (13-INT-04)	15D04024	01
15D04051	21.5 %	Susan Schnur	14-OSU-04	0.00	0.00	50.30	Walvis Ridge\MV1203 (13-INT-04)	15D04024	01
15D04053	24.5 %	Susan Schnur	14-OSU-04	0.00	0.00	50.30	Walvis Ridge\MV1203 (13-INT-04)	15D04024	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
15D04025	1.8 %	MV1203-D61-07C	Alkali-Feldspar	Maybe Guyot	CT-NM (R98) (4B36-14	28.201	0.082	Kuiper et al (2008)	10.01555	0.191	0.00156930	0.191	303.475	0.174	0.99342177	0.072	1	4.8E-14	7	FEB	2015	9	34	1
15D04027	2.0 %	MV1203-D61-07C	Alkali-Feldspar	Maybe Guyot	CT-NM (R98) (4B36-14	28.201	0.082	Kuiper et al (2008)	10.01555	0.191	0.00156930	0.191	303.475	0.174	0.99342177	0.072	1	4.8E-14	7	FEB	2015	10	1	1
15D04028	2.4 %	MV1203-D61-07C	Alkali-Feldspar	Maybe Guyot	CT-NM (R98) (4B36-14	28.201	0.082	Kuiper et al (2008)	10.01555	0.191	0.00156930	0.191	303.475	0.174	0.99342177	0.072	1	4.8E-14	7	FEB	2015	10	15	1
15D04029	2.8 %	MV1203-D61-07C	Alkali-Feldspar	Maybe Guyot	CT-NM (R98) (4B36-14	28.201	0.082	Kuiper et al (2008)	10.01555	0.191	0.00156930	0.191	303.475	0.174	0.99342177	0.072	1	4.8E-14	7	FEB	2015	10	29	1
15D04031	3.2 %	MV1203-D61-07C	Alkali-Feldspar	Maybe Guyot	CT-NM (R98) (4B36-14	28.201	0.082	Kuiper et al (2008)	10.01555	0.191	0.00156930	0.191	303.475	0.174	0.99342177	0.072	1	4.8E-14	7	FEB	2015	10	56	1
15D04032	3.6 %	MV1203-D61-07C	Alkali-Feldspar	Maybe Guyot	CT-NM (R98) (4B36-14	28.201	0.082	Kuiper et al (2008)	10.01555	0.191	0.00156930	0.191	303.475	0.174	0.99342177	0.072	1	4.8E-14	7	FEB	2015	11	9	1
15D04033	4.0 %	MV1203-D61-07C	Alkali-Feldspar	Maybe Guyot	CT-NM (R98) (4B36-14	28.201	0.082	Kuiper et al (2008)	10.01555	0.191	0.00156930	0.191	303.475	0.174	0.99342177	0.072	1	4.8E-14	7	FEB	2015	11	23	1
15D04035	4.5 %	MV1203-D61-07C	Alkali-Feldspar	Maybe Guyot	CT-NM (R98) (4B36-14	28.201	0.082	Kuiper et al (2008)	10.01555	0.191	0.00156930	0.191	303.475	0.174	0.99342177	0.072	1	4.8E-14	7	FEB	2015	11	48	1
15D04036	5.0 %	MV1203-D61-07C	Alkali-Feldspar	Maybe Guyot	CT-NM (R98) (4B36-14	28.201	0.082	Kuiper et al (2008)	10.01555	0.191	0.00156930	0.191	303.475	0.174	0.99342177	0.072	1	4.8E-14	7	FEB	2015	12	1	1
15D04037	5.5 %	MV1203-D61-07C	Alkali-Feldspar	Maybe Guyot	CT-NM (R98) (4B36-14	28.201	0.082	Kuiper et al (2008)	10.01555	0.191	0.00156930	0.191	303.475	0.174	0.99342177	0.072	1	4.8E-14	7	FEB	2015	12	14	1
15D04039	6.0 %	MV1203-D61-07C	Alkali-Feldspar	Maybe Guyot	CT-NM (R98) (4B36-14	28.201	0.082	Kuiper et al (2008)	10.01555	0.191	0.00156930	0.191	303.475	0.174	0.99342177	0.072	1	4.8E-14	7	FEB	2015	12	39	1
15D04040	6.7 %	MV1203-D61-07C	Alkali-Feldspar	Maybe Guyot	CT-NM (R98) (4B36-14	28.201	0.082	Kuiper et al (2008)	10.01555	0.191	0.00156930	0.191	303.475	0.174	0.99342177	0.072	1	4.8E-14	7	FEB	2015	12	51	1
15D04041	7.4 %	MV1203-D61-07C	Alkali-Feldspar	Maybe Guyot	CT-NM (R98) (4B36-14	28.201	0.082	Kuiper et al (2008)	10.01555	0.191	0.00156930	0.191	303.475	0.174	0.99342177	0.072	1	4.8E-14	7	FEB	2015	13	4	1
15D04043	8.3 %	MV1203-D61-07C	Alkali-Feldspar	Maybe Guyot	CT-NM (R98) (4B36-14	28.201	0.082	Kuiper et al (2008)	10.01555	0.191	0.00156930	0.191	303.475	0.174	0.99342177	0.072	1	4.8E-14	7	FEB	2015	13	28	1
15D04044	9.5 %	MV1203-D61-07C	Alkali-Feldspar	Maybe Guyot	CT-NM (R98) (4B36-14	28.201	0.082	Kuiper et al (2008)	10.01555	0.191	0.00156930	0.191	303.475	0.174	0.99342177	0.072	1	4.8E-14	7	FEB	2015	13	41	1
15D04045	11.0 %	MV1203-D61-07C	Alkali-Feldspar	Maybe Guyot	CT-NM (R98) (4B36-14	28.201	0.082	Kuiper et al (2008)	10.01555	0.191	0.00156930	0.191	303.475	0.174	0.99342177	0.072	1	4.8E-14	7	FEB	2015	13	53	1
15D04047	13.0 %	MV1203-D61-07C	Alkali-Feldspar	Maybe Guyot	CT-NM (R98) (4B36-14	28.201	0.082	Kuiper et al (2008)	10.01555	0.191	0.00156930	0.191	303.475	0.174	0.99342177	0.072	1	4.8E-14	7	FEB	2015	14	18	1
15D04048	15.5 %	MV1203-D61-07C	Alkali-Feldspar	Maybe Guyot	CT-NM (R98) (4B36-14	28.201	0.082	Kuiper et al (2008)	10.01555	0.191	0.00156930	0.191	303.475	0.174	0.99342177	0.072	1	4.8E-14	7	FEB	2015	14	31	1
15D04050	18.5 %	MV1203-D61-07C	Alkali-Feldspar	Maybe Guyot	CT-NM (R98) (4B36-14	28.201	0.082	Kuiper et al (2008)	10.01555	0.191	0.00156930	0.191	303.475	0.174	0.99342177	0.072	1	4.8E-14	7	FEB	2015	14	56	1
15D04051	21.5 %	MV1203-D61-07C	Alkali-Feldspar	Maybe Guyot	CT-NM (R98) (4B36-14	28.201	0.082	Kuiper et al (2008)	10.01555	0.191	0.00156930	0.191	303.475	0.174	0.99342177	0.072	1	4.8E-14	7	FEB	2015	15	9	1
15D04053	24.5 %	MV1203-D61-07C	Alkali-Feldspar	Maybe Guyot	CT-NM (R98) (4B36-14	28.201	0.082	Kuiper et al (2008)	10.01555	0.191	0.00156930	0.191	303.475	0.174	0.99342177	0.072	1	4.8E-14	7	FEB	2015	15	34	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
15D04025	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
15D04027	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
15D04028	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
15D04029	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
15D04031	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
15D04032	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
15D04033	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
15D04035	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
15D04036	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
15D04037	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
15D04039	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
15D04040	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
15D04041	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
15D04043	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
15D04044	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
15D04045	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
15D04047	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
15D04048	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
15D04050	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
15D04051	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
15D04053	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

15D04024.AGE >>> MV1203-D61-07C >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
42.33 ± 0.16
TOTAL FUSION
42.36 ± 0.16
NORMAL ISOCHRON
42.37 ± 0.16
INVERSE ISOCHRON
42.34 ± 0.16

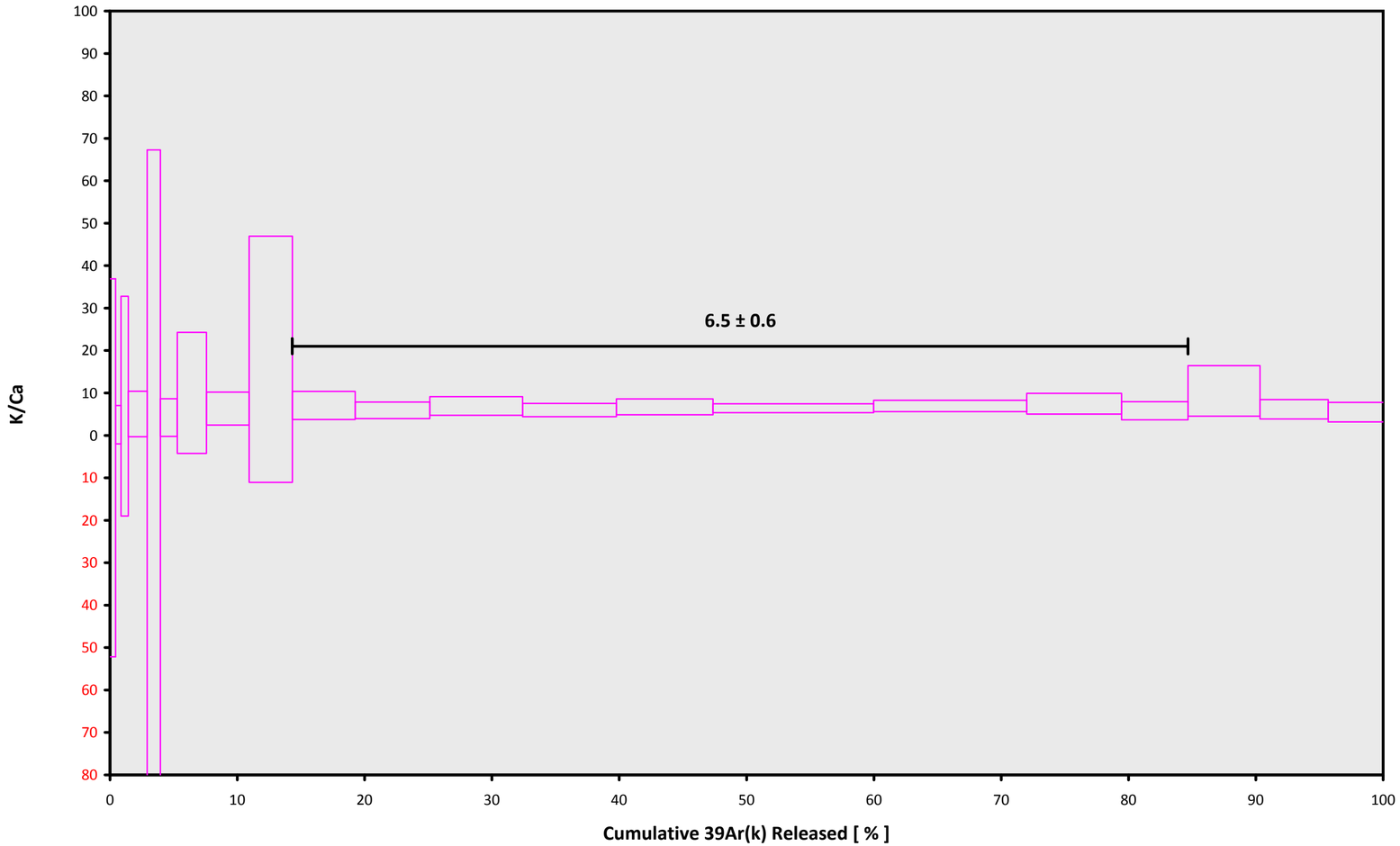
MSWD (PROBABILITY)
0.79 (61%)

Sample Info

Alkali-Feldspar
Maybe Guyot
Susan Schnur

IRR = 14-OSU-04 (R98)
J = 0.00156930 ± 0.00000300

15D04024.AGE >>> MV1203-D61-07C >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

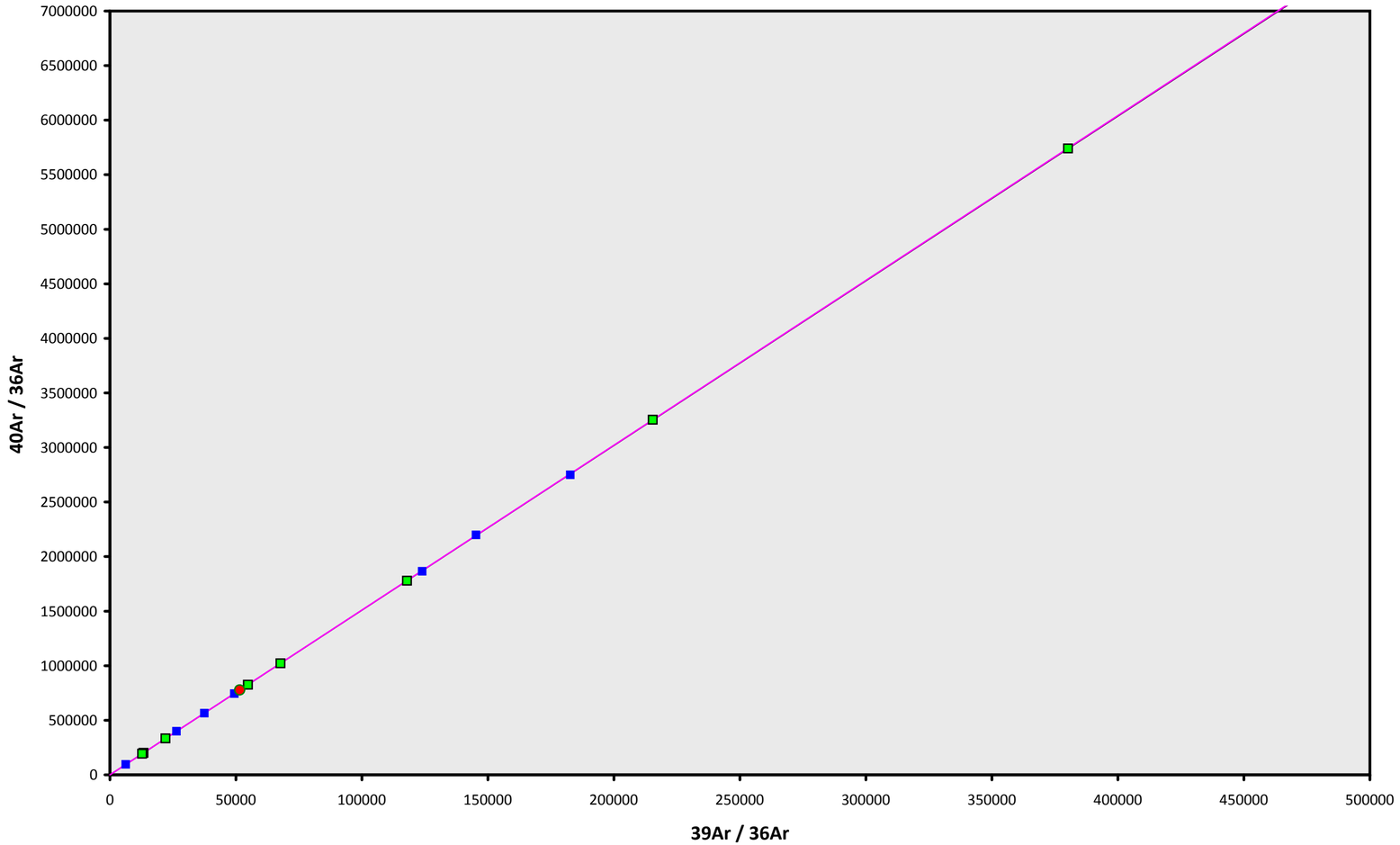
WEIGHTED PLATEAU
42.33 ± 0.16
TOTAL FUSION
42.36 ± 0.16
NORMAL ISOCHRON
42.37 ± 0.16
INVERSE ISOCHRON
42.34 ± 0.16

Sample Info

Alkali-Feldspar
Maybe Guyot
Susan Schnur

IRR = 14-OSU-04 (R98)
J = 0.00156930 ± 0.00000300

15D04024.AGE >>> MV1203-D61-07C >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
42.33 ± 0.16
TOTAL FUSION
42.36 ± 0.16
NORMAL ISOCHRON
42.37 ± 0.16
INVERSE ISOCHRON
42.34 ± 0.16

MSWD (PROBABILITY)
1.02 (41%)

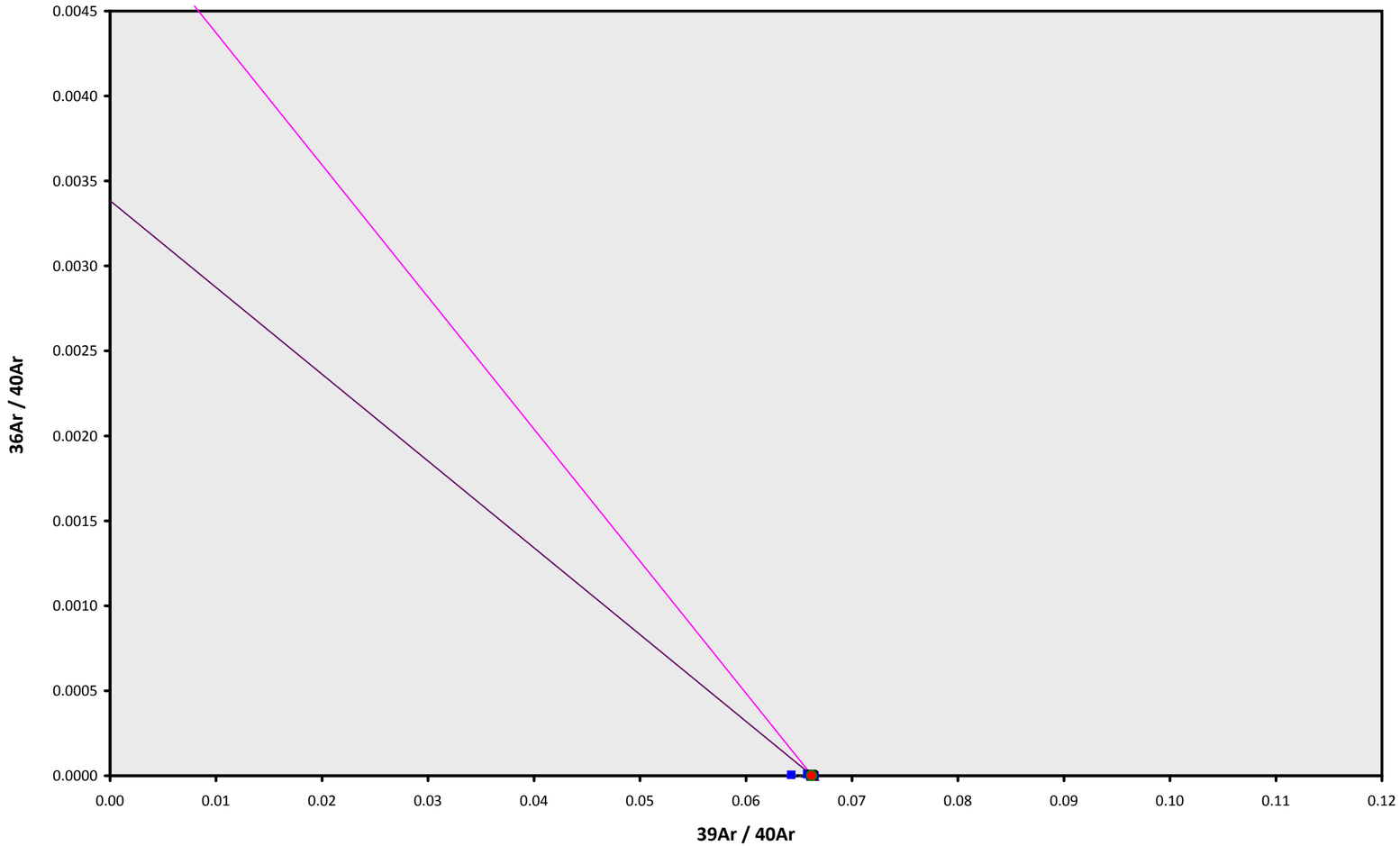
40AR/36AR INTERCEPT
17.0 ± 300.6

Sample Info

Alkali-Feldspar
Maybe Guyot
Susan Schnur

IRR = 14-OSU-04 (R98)
J = 0.00156930 ± 0.00000300

15D04024.AGE >>> MV1203-D61-07C >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
42.33 ± 0.16
TOTAL FUSION
42.36 ± 0.16
NORMAL ISOCHRON
42.37 ± 0.16
INVERSE ISOCHRON
42.34 ± 0.16

MSWD (PROBABILITY)
0.82 (57%)

SPREADING FACTOR
0.2%

40AR/36AR INTERCEPT
194.2 ± 139.3

Sample Info

Alkali-Feldspar
Maybe Guyot
Susan Schnur

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J = 0.00156930 ± 0.00000300