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
14D30659	1.8 %	✓	0.0079537	17.733	4.27338	8.559	1.057512	3.595	85.6734	0.094	1023.091	0.047	11.91483 ± 0.02695	35.32 ± 0.08	99.77	2.62	8.6 ± 1.5
14D30661	2.0 %	✓	0.0076412	18.336	4.36154	8.390	1.078219	3.428	90.8668	0.092	1084.972	0.045	11.91574 ± 0.02597	35.32 ± 0.08	99.79	2.78	9.0 ± 1.5
14D30662	2.4 %	✓	0.0100533	14.374	6.43135	5.678	1.746650	2.189	141.5576	0.082	1690.481	0.029	11.92115 ± 0.02160	35.34 ± 0.06	99.82	4.32	9.5 ± 1.1
14D30663	2.8 %	✓	0.0098917	14.678	8.53464	4.315	2.124538	1.836	178.0239	0.078	2125.441	0.023	11.92300 ± 0.02010	35.34 ± 0.06	99.86	5.44	9.0 ± 0.8
14D30665	3.2 %	✓	0.0095819	14.857	9.17813	4.060	2.255803	1.739	191.6384	0.077	2285.183	0.022	11.91001 ± 0.01961	35.31 ± 0.06	99.88	5.85	9.0 ± 0.7
14D30666	3.6 %	✓	0.0091009	15.786	8.37785	4.491	2.114661	1.817	179.2238	0.078	2139.042	0.023	11.92026 ± 0.02005	35.34 ± 0.06	99.87	5.47	9.2 ± 0.8
14D30667	4.0 %	✓	0.0090707	16.037	9.30772	4.029	2.325274	1.712	192.2588	0.078	2294.906	0.021	11.92298 ± 0.01974	35.34 ± 0.06	99.88	5.87	8.9 ± 0.7
14D30669	4.5 %	✓	0.0134748	11.353	16.96262	2.184	4.323887	0.921	362.5736	0.074	4330.349	0.012	11.93262 ± 0.01800	35.37 ± 0.05	99.91	11.07	9.2 ± 0.4
14D30670	5.0 %	✓	0.0111953	13.327	16.99710	2.237	4.321491	0.869	365.8679	0.073	4364.868	0.012	11.92134 ± 0.01790	35.34 ± 0.05	99.92	11.18	9.3 ± 0.4
14D30671	5.5 %	✓	0.0090958	16.428	14.77325	2.546	3.858393	1.054	324.6040	0.074	3871.559	0.013	11.91887 ± 0.01816	35.33 ± 0.05	99.93	9.91	9.4 ± 0.5
14D30673	6.0 %	✓	0.0056979	25.035	9.41701	3.896	2.417781	1.604	208.5652	0.076	2491.551	0.020	11.93817 ± 0.01928	35.39 ± 0.06	99.93	6.37	9.5 ± 0.7
14D30674	6.7 %	✓	0.0037786	38.097	8.12633	4.421	2.220154	1.714	188.7341	0.078	2252.983	0.022	11.93134 ± 0.01982	35.37 ± 0.06	99.95	5.76	10.0 ± 0.9
14D30675	7.4 %	✓	0.0064939	21.850	7.43097	5.052	1.989295	1.847	166.1161	0.079	1983.677	0.025	11.93001 ± 0.02049	35.36 ± 0.06	99.90	5.07	9.6 ± 1.0
14D30677	8.3 %	✓	0.0058022	24.200	6.54372	5.643	1.855857	2.064	155.6422	0.081	1861.228	0.026	11.94719 ± 0.02096	35.42 ± 0.06	99.90	4.75	10.2 ± 1.2
14D30678	9.5 %	✓	0.0061239	23.218	3.84005	9.568	1.209469	3.106	100.2414	0.089	1198.858	0.041	11.94117 ± 0.02486	35.40 ± 0.07	99.84	3.06	11.2 ± 2.1
14D30679	11.0 %		0.0015354	88.401	1.29037	28.404	0.461011	8.442	39.0141	0.151	468.366	0.103	11.99247 ± 0.04853	35.55 ± 0.14	99.89	1.19	13.0 ± 7.4
14D30681	13.0 %		0.0012900	106.079	0.66184	55.647	0.353051	10.524	26.9504	0.205	325.198	0.148	12.05075 ± 0.06800	35.72 ± 0.20	99.87	0.82	17.5 ± 19.5
14D30682	15.5 %		0.0001577	855.416	1.46212	24.391	0.391532	10.072	34.4767	0.166	416.230	0.116	12.07401 ± 0.05402	35.79 ± 0.16	100.01	1.05	10.1 ± 4.9
14D30684	18.5 %		0.0017535	79.296	3.73979	9.628	1.018130	3.803	82.5253	0.097	994.069	0.049	12.03947 ± 0.02800	35.69 ± 0.08	99.95	2.52	9.5 ± 1.8
14D30685	21.5 %		0.0035371	38.725	3.81419	9.370	1.035163	3.612	87.4394	0.094	1054.846	0.046	12.05174 ± 0.02687	35.72 ± 0.08	99.90	2.67	9.9 ± 1.8
14D30687	24.5 %		0.0047813	29.114	3.35541	11.007	0.827010	4.754	71.9660	0.103	868.296	0.056	12.04595 ± 0.03052	35.71 ± 0.09	99.84	2.20	9.2 ± 2.0
		Σ	0.1376952	4.737	148.87937	1.134	38.984881	0.453	3273.9590	0.020	39125.192	0.006					

Information on Analysis and Constants Used in Calculations

Project = **MV1203 (13-INT-04)**
Sample = **MV1203-D56-22**
Material = **Alkali-Feldspar**
Location = **Harpooner Guyot**
Region = **Walvis Ridge**
Analyst = **Susan Schnur**
Irradiation = **14-OSU-04 (4B20-14)**
Position = **X: 0 | Y: 0 | Z/H: 31.22 mm**
FCT-NM Age = **28.201 ± 0.023 Ma**
FCT-NM Reference = **Kuiper et al (2008)**
FCT-NM 40Ar/39Ar Ratio = **9.49451 ± 0.01918**
FCT-NM J-value = **0.00165542 ± 0.00000334**
Air Shot 40Ar/36Ar = **303.5770 ± 0.5191**
Air Shot MDF = **0.99333988 ± 0.00071210 (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 = **IESS10038**
Rock Class = **Igneous>Volcanic>Mafic**
Lithology = **Trachyte**
Lat-Lon = **37°18.2'S - 3°49.3'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		11.92603 ± 0.00528	**35.35 ± 0.14**	0.98	89.54	9.3 ± 0.2
		± 0.04%	**± 0.40%**	47%	15	
		Full External Error ± 0.81		1.76	2σ Confidence Limit	
		Analytical Error ± 0.02		1.0000	Error Magnification	
Total Fusion Age		11.93812 ± 0.00511	**35.39 ± 0.14**		21	9.5 ± 0.2
		± 0.04%	**± 0.40%**			
		Full External Error ± 0.81				
		Analytical Error ± 0.01				
Normal Isochron	**86.04 ± 284.44**	11.93241 ± 0.01096	**35.37 ± 0.15**	0.78	89.54	
	########	± 0.09%	**± 0.41%**	68%	15	
		Full External Error ± 0.81		1.78	2σ Confidence Limit	
		Analytical Error ± 0.03		1.0000	Error Magnification	
				1	Number of Iterations	
				0.0000000066	Convergence	
Inverse Isochron	**116.98 ± 64.94**	11.93198 ± 0.01065	**35.37 ± 0.14**	0.96	89.54	
Clustered Points	**± 55.52%**	± 0.09%	**± 0.41%**	48%	15	
		Full External Error ± 0.81		1.78	2σ Confidence Limit	
		Analytical Error ± 0.03		1.0000	Error Magnification	
Notes				7	Number of Iterations	
Good plateau				0.0000971486	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
14D30659	1.8 %	✓	0.0068118	4.27338	0.0252303	85.6705	1020.750	35.32 ± 0.08	99.77	2.62	8.6 ± 1.5
14D30661	2.0 %	✓	0.0064797	4.36154	0.0000000	90.8639	1082.710	35.32 ± 0.08	99.79	2.78	9.0 ± 1.5
14D30662	2.4 %	✓	0.0083342	6.43135	0.0416039	141.5532	1687.477	35.34 ± 0.06	99.82	4.32	9.5 ± 1.1
14D30663	2.8 %	✓	0.0076189	8.53464	0.0000000	178.0181	2122.509	35.34 ± 0.06	99.86	5.44	9.0 ± 0.8
14D30665	3.2 %	✓	0.0071377	9.17813	0.0000000	191.6322	2282.341	35.31 ± 0.06	99.88	5.85	9.0 ± 0.7
14D30666	3.6 %	✓	0.0068699	8.37785	0.0000000	179.2181	2136.327	35.34 ± 0.06	99.87	5.47	9.2 ± 0.8
14D30667	4.0 %	✓	0.0065904	9.30772	0.0103841	192.2525	2292.224	35.34 ± 0.06	99.88	5.87	8.9 ± 0.7
14D30669	4.5 %	✓	0.0089577	16.96262	0.0000000	362.5622	4326.315	35.37 ± 0.05	99.91	11.07	9.2 ± 0.4
14D30670	5.0 %	✓	0.0066690	16.99710	0.0000000	365.8564	4361.499	35.34 ± 0.05	99.92	11.18	9.3 ± 0.4
14D30671	5.5 %	✓	0.0051617	14.77325	0.0000000	324.5940	3868.793	35.33 ± 0.05	99.93	9.91	9.4 ± 0.5
14D30673	6.0 %	✓	0.0031901	9.41701	0.0000000	208.5588	2489.811	35.39 ± 0.06	99.93	6.37	9.5 ± 0.7
14D30674	6.7 %	✓	0.0016146	8.12633	0.0000000	188.7286	2251.785	35.37 ± 0.06	99.95	5.76	10.0 ± 0.9
14D30675	7.4 %	✓	0.0045150	7.43097	0.0000000	166.1111	1981.708	35.36 ± 0.06	99.90	5.07	9.6 ± 1.0
14D30677	8.3 %	✓	0.0040596	6.54372	0.0000000	155.6378	1859.434	35.42 ± 0.06	99.90	4.75	10.2 ± 1.2
14D30678	9.5 %	✓	0.0051009	3.84005	0.0022675	100.2388	1196.968	35.40 ± 0.07	99.84	3.06	11.2 ± 2.1
14D30679	11.0 %		0.0011918	1.29037	0.0000000	39.0132	467.864	35.55 ± 0.14	99.89	1.19	13.0 ± 7.4
14D30681	13.0 %		0.0011093	0.66184	0.0285612	26.9499	324.767	35.72 ± 0.20	99.87	0.82	17.5 ± 19.5
14D30682	15.5 %		0.0005471	1.46212	0.0000000	34.4757	416.260	35.79 ± 0.16	100.01	1.05	10.1 ± 4.9
14D30684	18.5 %		0.0007538	3.73979	0.0248889	82.5228	993.530	35.69 ± 0.08	99.95	2.52	9.5 ± 1.8
14D30685	21.5 %		0.0025213	3.81419	0.0000000	87.4369	1053.766	35.72 ± 0.08	99.90	2.67	9.9 ± 1.8
14D30687	24.5 %		0.0038877	3.35541	0.0000000	71.9638	866.872	35.71 ± 0.09	99.84	2.20	9.2 ± 2.0
		Σ	0.0980281	148.87937	0.1329360	3273.8584	39083.709				

Information on Analysis

Project = **MV1203 (13-INT-04)**
Sample = **MV1203-D56-22**
Material = **Alkali-Feldspar**
Location = **Harpooner Guyot**
Region = **Walvis Ridge**
Analyst = **Susan Schnur**
Irradiation = **14-OSU-04 (4B20-14)**
J = **0.00165542 ± 0.00000334**
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	11.92603	± 0.00528	**35.35**	**± 0.14**	0.98	89.54	9.3 ± 0.2
		± 0.04%		**± 0.40%**	47%	15	
			Full External Error	± 0.81	1.76	2σ Confidence Limit	
			Analytical Error	± 0.02	1.0000	Error Magnification	
Total Fusion Age	11.93812	± 0.00511	**35.39**	**± 0.14**		21	9.5 ± 0.2
		± 0.04%		**± 0.40%**			
			Full External Error	± 0.81			
			Analytical Error	± 0.01			

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
14D30659	1.8 %	✓	12576.80 ± 5220.71	150146.02 ± 62326.10	1.0000
14D30661	2.0 %	✓	14022.85 ± 6078.82	167388.04 ± 72561.24	1.0000
14D30662	2.4 %	✓	16984.65 ± 5903.48	202772.05 ± 70478.26	1.0000
14D30663	2.8 %	✓	23365.31 ± 8925.40	278879.97 ± 106529.52	1.0000
14D30665	3.2 %	✓	26847.79 ± 10735.53	320052.95 ± 127977.49	1.0000
14D30666	3.6 %	✓	26087.38 ± 10937.38	311263.85 ± 130499.48	1.0000
14D30667	4.0 %	✓	29171.44 ± 12908.14	348106.12 ± 154033.40	1.0000
14D30669	4.5 %	✓	40475.01 ± 13853.33	483268.35 ± 165406.15	1.0000
14D30670	5.0 %	✓	54859.61 ± 24604.31	654295.63 ± 293447.41	1.0000
14D30671	5.5 %	✓	62885.35 ± 36492.34	749817.54 ± 435117.41	1.0000
14D30673	6.0 %	✓	65375.96 ± 58602.57	780765.00 ± 699871.57	1.0000
14D30674	6.7 %	✓	116890.56 ± 208898.65	1394956.25 ± 2492967.52	1.0000
14D30675	7.4 %	✓	36790.98 ± 23181.29	439212.33 ± 276738.44	1.0000
14D30677	8.3 %	✓	38338.14 ± 26585.89	458328.42 ± 317830.78	1.0000
14D30678	9.5 %	✓	19651.18 ± 10981.07	234953.59 ± 131291.36	1.0000
14D30679	11.0 %		32735.43 ± 74757.60	392873.98 ± 897202.41	1.0000
14D30681	13.0 %		24293.79 ± 60088.94	293053.85 ± 724847.17	1.0000
14D30682	15.5 %		63017.17 ± 311585.42	760574.19 ± 3760622.63	1.0000
14D30684	18.5 %		109478.03 ± 404864.46	1318352.61 ± 4875444.69	1.0000
14D30685	21.5 %		34678.66 ± 37769.39	418233.73 ± 455508.19	1.0000
14D30687	24.5 %		18510.39 ± 13288.49	223270.75 ± 160284.23	1.0000

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	**86.04 ± 284.44 ± 330.61%**	11.93241 ± 0.01096 ± 0.09%	**35.37 ± 0.15 ± 0.41%**	0.78 68%
			Full External Error ± 0.81	
			Analytical Error ± 0.03	

Statistics				
	2σ Confidence Limit	1.78	Convergence	0.000000006644
	Error Magnification	1.0000	Number of Iterations	1
	Number of Data Points	15	Calculated Line	Weighted York-2

Inverse Isochron			39(k)/40(a+r) ± 2σ		36(a)/40(a+r) ± 2σ		r.i.
14D30659	1.8 %	✓	0.0837638	± 0.0001766	0.00000666	± 0.00000276	0.0010
14D30661	2.0 %	✓	0.0837745	± 0.0001709	0.00000597	± 0.00000259	0.0009
14D30662	2.4 %	✓	0.0837623	± 0.0001457	0.00000493	± 0.00000171	0.0006
14D30663	2.8 %	✓	0.0837827	± 0.0001371	0.00000359	± 0.00000137	0.0003
14D30665	3.2 %	✓	0.0838855	± 0.0001346	0.00000312	± 0.00000125	0.0003
14D30666	3.6 %	✓	0.0838111	± 0.0001369	0.00000321	± 0.00000135	0.0003
14D30667	4.0 %	✓	0.0838004	± 0.0001351	0.00000287	± 0.00000127	0.0003
14D30669	4.5 %	✓	0.0837527	± 0.0001251	0.00000207	± 0.00000071	0.0001
14D30670	5.0 %	✓	0.0838453	± 0.0001248	0.00000153	± 0.00000069	0.0001
14D30671	5.5 %	✓	0.0838675	± 0.0001263	0.00000133	± 0.00000077	0.0001
14D30673	6.0 %	✓	0.0837332	± 0.0001322	0.00000128	± 0.00000115	0.0001
14D30674	6.7 %	✓	0.0837951	± 0.0001355	0.00000072	± 0.00000128	0.0001
14D30675	7.4 %	✓	0.0837658	± 0.0001394	0.00000228	± 0.00000143	0.0002
14D30677	8.3 %	✓	0.0836477	± 0.0001419	0.00000218	± 0.00000151	0.0002
14D30678	9.5 %	✓	0.0836386	± 0.0001638	0.00000426	± 0.00000238	0.0006
14D30679	11.0 %		0.0833230	± 0.0003052	0.00000255	± 0.00000581	0.0005
14D30681	13.0 %		0.0828987	± 0.0004194	0.00000341	± 0.00000844	0.0007
14D30682	15.5 %		0.0828547	± 0.0003348	0.00000131	± 0.00000650	0.0003
14D30684	18.5 %		0.0830415	± 0.0001805	0.00000076	± 0.00000281	0.0001
14D30685	21.5 %		0.0829169	± 0.0001734	0.00000239	± 0.00000260	0.0004
14D30687	24.5 %		0.0829056	± 0.0001946	0.00000448	± 0.00000322	0.0007

Results	40(a)/36(a) ± 2σ		40(r)/39(k) ± 2σ		Age ± 2σ (Ma)		MSWD
Inverse Isochron	**116.98**	**± 64.94**	11.93198	± 0.01065	**35.37**	**± 0.14**	0.96
Clustered Points		**± 55.52%**		± 0.09%		**± 0.41%**	48%
					Full External Error	± 0.81	
					Analytical Error	± 0.03	

Statistics				
	2σ Confidence Limit	1.78	Convergence	0.0000971486
	Error Magnification	1.0000	Number of Iterations	7
	Number of Data Points	15	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
14D30659	1.8 %	✓	0.0068118	20.76	0.0000000	0.00	0.0011380	8.56	0.0000039	150.87	4.27338	8.56	0.0012731	20.76	0.0000000	0.00	1.030702	0.19	0.0003068	15.41	0.0252303	150.87	85.6705	0.09	0.0028871	8.66	1020.750	0.06	2.012884	20.76	0.0000000	0.00	0.327518	2.66
14D30661	2.0 %	✓	0.0064797	21.67	0.0000000	0.00	0.0011615	8.39	0.0000000	0.00	4.36154	8.39	0.0012111	21.67	0.0000000	0.00	1.093183	0.18	0.0003132	15.32	0.0000000	0.00	90.8639	0.09	0.0029467	8.49	1082.710	0.06	1.914752	21.67	0.0000000	0.00	0.347373	2.66
14D30662	2.4 %	✓	0.0083342	17.38	0.0000000	0.00	0.0017127	5.68	0.0000064	92.22	6.43135	5.68	0.0015577	17.38	0.0000000	0.00	1.703027	0.18	0.0004618	14.02	0.0416039	92.22	141.5532	0.08	0.0043450	5.83	1687.477	0.04	2.462751	17.38	0.0000000	0.00	0.541158	2.66
14D30663	2.8 %	✓	0.0076189	19.10	0.0000000	0.00	0.0022728	4.32	0.0000000	0.00	8.53464	4.31	0.0014240	19.10	0.0000000	0.00	2.141736	0.18	0.0006128	13.53	0.0000000	0.00	178.0181	0.08	0.0057660	4.51	2122.509	0.03	2.251387	19.10	0.0000000	0.00	0.680563	2.66
14D30665	3.2 %	✓	0.0071377	19.99	0.0000000	0.00	0.0024441	4.06	0.0000000	0.00	9.17813	4.06	0.0013340	19.99	0.0000000	0.00	2.305527	0.18	0.0006590	13.45	0.0000000	0.00	191.6322	0.08	0.0062007	4.27	2282.341	0.03	2.109198	19.99	0.0000000	0.00	0.732610	2.66
14D30666	3.6 %	✓	0.0068699	20.96	0.0000000	0.00	0.0022310	4.49	0.0000000	0.00	8.37785	4.49	0.0012840	20.96	0.0000000	0.00	2.156173	0.18	0.0006015	13.58	0.0000000	0.00	179.2181	0.08	0.0056601	4.68	2136.327	0.03	2.030060	20.96	0.0000000	0.00	0.685151	2.66
14D30667	4.0 %	✓	0.0065904	22.12	0.0000000	0.00	0.0024786	4.03	0.0000016	385.53	9.30772	4.03	0.0012318	22.12	0.0000000	0.00	2.312990	0.18	0.0006683	13.44	0.0103841	385.53	192.2525	0.08	0.0062883	4.24	2292.224	0.03	1.947474	22.12	0.0000000	0.00	0.734981	2.66
14D30669	4.5 %	✓	0.0089577	17.11	0.0000000	0.00	0.0045171	2.19	0.0000000	0.00	16.96262	2.18	0.0016742	17.11	0.0000000	0.00	4.361985	0.18	0.0012179	13.00	0.0000000	0.00	362.5622	0.07	0.0114599	2.55	4326.315	0.02	2.646994	17.11	0.0000000	0.00	1.386075	2.66
14D30670	5.0 %	✓	0.0066690	22.42	0.0000000	0.00	0.0045263	2.24	0.0000000	0.00	16.99710	2.24	0.0012464	22.42	0.0000000	0.00	4.401618	0.18	0.0012204	13.01	0.0000000	0.00	365.8564	0.07	0.0114832	2.60	4361.499	0.02	1.970677	22.42	0.0000000	0.00	1.398669	2.66
14D30671	5.5 %	✓	0.0051617	29.01	0.0000000	0.00	0.0039341	2.55	0.0000000	0.00	14.77325	2.55	0.0009647	29.01	0.0000000	0.00	3.905191	0.18	0.0010607	13.07	0.0000000	0.00	324.5940	0.07	0.0099808	2.87	3868.793	0.02	1.525276	29.01	0.0000000	0.00	1.240923	2.66
14D30673	6.0 %	✓	0.0031901	44.82	0.0000000	0.00	0.0025078	3.90	0.0000000	0.00	9.41701	3.90	0.0005962	44.82	0.0000000	0.00	2.509171	0.18	0.0006761	13.40	0.0000000	0.00	208.5588	0.08	0.0063621	4.11	2489.811	0.03	0.942688	44.82	0.0000000	0.00	0.797320	2.66
14D30674	6.7 %	✓	0.0016146	89.36	0.0000000	0.00	0.0021640	4.42	0.0000000	0.00	8.12633	4.42	0.0003018	89.36	0.0000000	0.00	2.270594	0.18	0.0005835	13.56	0.0000000	0.00	188.7286	0.08	0.0054901	4.61	2251.785	0.03	0.477107	89.36	0.0000000	0.00	0.721509	2.66
14D30675	7.4 %	✓	0.0045150	31.50	0.0000000	0.00	0.0019789	5.05	0.0000000	0.00	7.43097	5.05	0.0008439	31.50	0.0000000	0.00	1.998483	0.18	0.0005335	13.78	0.0000000	0.00	166.1111	0.08	0.0050204	5.22	1981.708	0.03	1.334181	31.50	0.0000000	0.00	0.635043	2.66
14D30677	8.3 %	✓	0.0040596	34.67	0.0000000	0.00	0.0017426	5.65	0.0000000	0.00	6.54372	5.64	0.0007587	34.67	0.0000000	0.00	1.872478	0.18	0.0004698	14.01	0.0000000	0.00	155.6378	0.08	0.0044209	5.80	1859.434	0.03	1.199614	34.67	0.0000000	0.00	0.595003	2.66
14D30678	9.5 %	✓	0.0051009	27.94	0.0000000	0.00	0.0010226	9.57	0.0000003	######	3.84005	9.57	0.0009534	27.94	0.0000000	0.00	1.205972	0.18	0.0002757	16.00	0.0022675	######	100.2388	0.09	0.0025943	9.66	1196.968	0.05	1.507317	27.94	0.0000000	0.00	0.383213	2.66
14D30679	11.0 %		0.0011918	114.18	0.0000000	0.00	0.0003436	28.40	0.0000000	0.00	1.29037	28.40	0.0002227	114.18	0.0000000	0.00	0.469368	0.22	0.0000926	31.16	0.0000000	0.00	39.0132	0.15	0.0008718	28.43	467.864	0.13	0.352169	114.18	0.0000000	0.00	0.149147	2.66
14D30681	13.0 %		0.0011093	123.67	0.0000000	0.00	0.0001762	55.65	0.0000044	130.13	0.66184	55.65	0.0002073	123.67	0.0000000	0.00	0.324235	0.26	0.0000475	57.11	0.0285612	130.13	26.9499	0.20	0.0004471	55.66	324.767	0.19	0.327808	123.67	0.0000000	0.00	0.103030	2.67
14D30682	15.5 %		0.0005471	247.22	0.0000000	0.00	0.0003894	24.39	0.0000000	0.00	1.46212	24.39	0.0001023	247.22	0.0000000	0.00	0.414777	0.23	0.0001050	27.55	0.0000000	0.00	34.4757	0.17	0.0009878	24.43	416.260	0.15	0.161663	247.22	0.0000000	0.00	0.131801	2.67
14D30684	18.5 %		0.0007538	184.91	0.0000000	0.00	0.0009959	9.63	0.0000038	155.75	3.73979	9.63	0.0001409	184.91	0.0000000	0.00	0.992832	0.19	0.0002685	16.03	0.0248889	155.76	82.5228	0.10	0.0025266	9.72	993.530	0.06	0.222743	184.91	0.0000000	0.00	0.315485	2.66
14D30685	21.5 %		0.0025213	54.46	0.0000000	0.00	0.0010157	9.37	0.0000000	0.00	3.81419	9.37	0.0004712	54.46	0.0000000	0.00	1.051953	0.19	0.0002739	15.88	0.0000000	0.00	87.4369	0.09	0.0025769	9.46	1053.766	0.06	0.745057	54.46	0.0000000	0.00	0.334271	2.66
14D30687	24.5 %		0.0038877	35.89	0.0000000	0.00	0.0008935	11.01	0.0000000	0.00	3.35541	11.01	0.0007266	35.89	0.0000000	0.00	0.865796	0.19	0.0002409	16.90	0.0000000	0.00	71.9638	0.10	0.0022669	11.09	866.872	0.07	1.148830	35.89	0.0000000	0.00	0.275117	2.66
		Σ	0.0980281	6.67	0.0000000	0.00	0.0396466	1.13	0.0000205	70.67	148.87937	1.13	0.0183215	6.67	0.0000000	0.00	39.387790	0.05	0.0106895	3.52	0.1329360	70.66	3273.8584	0.02	0.1005829	1.18	39083.709	0.01	28.967305	6.67	0.0000000	0.00	12.515961	0.68
		Σ							0.1376952	4.76	148.87937	1.13									39.549737	0.24			3273.9590	0.02							39125.192	0.01

Additional Parameters			40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
14D30659	1.8 %	✓	11.941750	0.012586	0.049880	0.004269	0.000093	0.000016	94.883	6.531195	1.00067060	4.911E-11
14D30661	2.0 %	✓	11.940246	0.012174	0.047999	0.004027	0.000084	0.000015	94.900	6.533435	1.00067072	5.208E-11
14D30662	2.4 %	✓	11.942001	0.010383	0.045433	0.002580	0.000071	0.000010	94.908	6.534510	1.00067078	8.114E-11
14D30663	2.8 %	✓	11.939080	0.009768	0.047941	0.002069	0.000056	0.000008	94.917	6.535675	1.00067084	1.020E-10
14D30665	3.2 %	✓	11.924453	0.009566	0.047893	0.001945	0.000050	0.000007	94.935	6.537917	1.00067097	1.097E-10
14D30666	3.6 %	✓	11.935035	0.009749	0.046745	0.002100	0.000051	0.000008	94.943	6.538993	1.00067103	1.027E-10
14D30667	4.0 %	✓	11.936547	0.009622	0.048412	0.001951	0.000047	0.000008	94.952	6.540159	1.00067109	1.102E-10
14D30669	4.5 %	✓	11.943364	0.008921	0.046784	0.001022	0.000037	0.000004	94.969	6.542402	1.00067121	2.079E-10
14D30670	5.0 %	✓	11.930176	0.008875	0.046457	0.001040	0.000031	0.000004	94.978	6.543479	1.00067127	2.095E-10
14D30671	5.5 %	✓	11.927021	0.008981	0.045512	0.001159	0.000028	0.000005	94.986	6.544557	1.00067133	1.858E-10
14D30673	6.0 %	✓	11.946151	0.009432	0.045151	0.001759	0.000027	0.000007	95.003	6.546801	1.00067145	1.196E-10
14D30674	6.7 %	✓	11.937341	0.009651	0.043057	0.001904	0.000020	0.000008	95.013	6.547969	1.00067152	1.081E-10
14D30675	7.4 %	✓	11.941506	0.009935	0.044734	0.002260	0.000039	0.000009	95.021	6.549047	1.00067157	9.522E-11
14D30677	8.3 %	✓	11.958379	0.010140	0.042043	0.002373	0.000037	0.000009	95.038	6.551293	1.00067170	8.934E-11
14D30678	9.5 %	✓	11.959720	0.011711	0.038308	0.003665	0.000061	0.000014	95.047	6.552371	1.00067176	5.755E-11
14D30679	11.0 %		12.005048	0.021983	0.033074	0.009395	0.000039	0.000035	95.056	6.553540	1.00067182	2.248E-11
14D30681	13.0 %		12.066536	0.030516	0.024558	0.013666	0.000048	0.000051	95.073	6.555787	1.00067194	1.561E-11
14D30682	15.5 %		12.072794	0.024391	0.042409	0.010344	0.000005	0.000039	95.081	6.556867	1.00067200	1.998E-11
14D30684	18.5 %		12.045621	0.013087	0.045317	0.004363	0.000021	0.000017	95.099	6.559115	1.00067212	4.772E-11
14D30685	21.5 %		12.063729	0.012616	0.043621	0.004088	0.000040	0.000016	95.108	6.560285	1.00067219	5.063E-11
14D30687	24.5 %		12.065359	0.014162	0.046625	0.005132	0.000066	0.000019	95.124	6.562445	1.00067230	4.168E-11

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
14D30659	1.8 %	0.0171618 ± 0.0012196	0.0038511 ± 0.0465869	0.0947476 ± 0.0270286	0.0025191 ± 0.0421255	4.9357372 ± 0.4804251
14D30661	2.0 %	0.0170259 ± 0.0012196	0.0069700 ± 0.0465869	0.0948218 ± 0.0270286	0.0056251 ± 0.0421255	4.8770226 ± 0.4804251
14D30662	2.4 %	0.0170175 ± 0.0012196	0.0064914 ± 0.0465869	0.0921771 ± 0.0270286	0.0046134 ± 0.0421255	4.8741910 ± 0.4804251
14D30663	2.8 %	0.0170369 ± 0.0012196	0.0047081 ± 0.0465869	0.0881124 ± 0.0270286	0.0008162 ± 0.0421255	4.8852174 ± 0.4804251
14D30665	3.2 %	0.0171246 ± 0.0012196	0.0018607 ± 0.0465869	0.0786801 ± 0.0270286	0.0120225 ± 0.0421255	4.9359318 ± 0.4804251
14D30666	3.6 %	0.0171768 ± 0.0012196	0.0062095 ± 0.0465869	0.0741505 ± 0.0270286	0.0197749 ± 0.0421255	4.9691286 ± 0.4804251
14D30667	4.0 %	0.0172325 ± 0.0012196	0.0115892 ± 0.0465869	0.0696961 ± 0.0270286	0.0286853 ± 0.0421255	5.0083480 ± 0.4804251
14D30669	4.5 %	0.0173180 ± 0.0012196	0.0232561 ± 0.0465869	0.0634421 ± 0.0270286	0.0456844 ± 0.0421255	5.0852195 ± 0.4804251
14D30670	5.0 %	0.0173421 ± 0.0012196	0.0291675 ± 0.0465869	0.0618527 ± 0.0270286	0.0531227 ± 0.0421255	5.1195486 ± 0.4804251
14D30671	5.5 %	0.0173519 ± 0.0012196	0.0350791 ± 0.0465869	0.0613075 ± 0.0270286	0.0597420 ± 0.0421255	5.1504807 ± 0.4804251
14D30673	6.0 %	0.0173217 ± 0.0012196	0.0467220 ± 0.0465869	0.0636177 ± 0.0270286	0.0700311 ± 0.0421255	5.1997315 ± 0.4804251
14D30674	6.7 %	0.0172784 ± 0.0012196	0.0520375 ± 0.0465869	0.0665647 ± 0.0270286	0.0731545 ± 0.0421255	5.2154799 ± 0.4804251
14D30675	7.4 %	0.0172227 ± 0.0012196	0.0562579 ± 0.0465869	0.0701993 ± 0.0270286	0.0745393 ± 0.0421255	5.2233199 ± 0.4804251
14D30677	8.3 %	0.0170663 ± 0.0012196	0.0621746 ± 0.0465869	0.0798119 ± 0.0270286	0.0726208 ± 0.0421255	5.2181427 ± 0.4804251
14D30678	9.5 %	0.0169777 ± 0.0012196	0.0632662 ± 0.0465869	0.0849111 ± 0.0270286	0.0694110 ± 0.0421255	5.2054412 ± 0.4804251
14D30679	11.0 %	0.0168776 ± 0.0012196	0.0628861 ± 0.0465869	0.0903256 ± 0.0270286	0.0643480 ± 0.0421255	5.1846680 ± 0.4804251
14D30681	13.0 %	0.0166954 ± 0.0012196	0.0567328 ± 0.0465869	0.0987212 ± 0.0270286	0.0505107 ± 0.0421255	5.1269357 ± 0.4804251
14D30682	15.5 %	0.0166251 ± 0.0012196	0.0508348 ± 0.0465869	0.1008851 ± 0.0270286	0.0423077 ± 0.0421255	5.0927064 ± 0.4804251
14D30684	18.5 %	0.0165527 ± 0.0012196	0.0313195 ± 0.0465869	0.0987116 ± 0.0270286	0.0232128 ± 0.0421255	5.0140895 ± 0.4804251
14D30685	21.5 %	0.0165739 ± 0.0012196	0.0168261 ± 0.0465869	0.0926341 ± 0.0270286	0.0128916 ± 0.0421255	4.9727143 ± 0.4804251
14D30687	24.5 %	0.0167672 ± 0.0012196	0.0188566 ± 0.0465869	0.0690611 ± 0.0270286	0.0050420 ± 0.0421255	4.9045878 ± 0.4804251

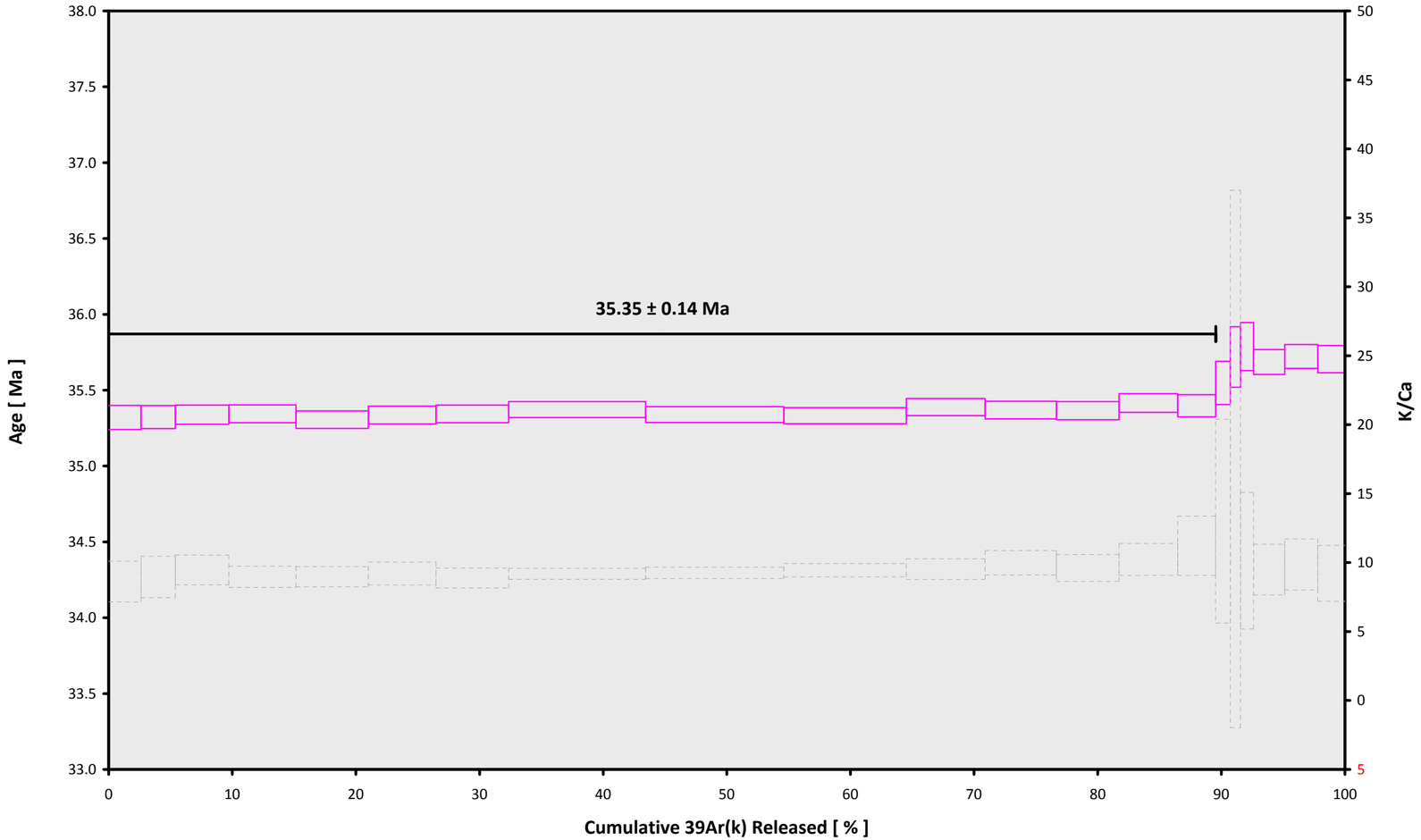
Intercept Values		36Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	37Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	38Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	39Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	40Ar ± 1σ (SE) [fA]	r2	Regression (type,n)
14D30659	1.8 %	0.0247345 ± 0.0005616	0.9466	EXP 150 of 150	0.6373973 ± 0.0289282	0.0226	EXP 150 of 150	0.9486810 ± 0.0259624	0.0438	EXP 150 of 150	85.049416 ± 0.030606	0.9970	EXP 150 of 150	1030.87298 ± 0.07053	0.9996	EXP 150 of 150
14D30661	2.0 %	0.0243011 ± 0.0005400	0.9463	EXP 150 of 150	0.6472838 ± 0.0289430	0.0128	EXP 150 of 150	0.9690371 ± 0.0244391	0.0200	EXP 150 of 150	90.196661 ± 0.029714	0.9975	EXP 150 of 150	1092.86778 ± 0.08443	0.9995	EXP 150 of 150
14D30662	2.4 %	0.0265892 ± 0.0006363	0.9552	EXP 150 of 150	0.9580862 ± 0.0286009	0.0023	EXP 150 of 150	1.6312113 ± 0.0262085	0.1513	EXP 150 of 150	140.517723 ± 0.037096	0.9984	EXP 150 of 150	1700.05842 ± 0.10933	0.9997	EXP 150 of 150
14D30663	2.8 %	0.0264548 ± 0.0006501	0.9629	EXP 149 of 150	1.2750923 ± 0.0293177	0.0334	EXP 149 of 150	2.0081309 ± 0.0272208	0.0906	EXP 150 of 150	176.721129 ± 0.038227	0.9989	EXP 150 of 150	2136.24016 ± 0.11746	0.9998	EXP 150 of 150
14D30665	3.2 %	0.0262475 ± 0.0005908	0.9733	EXP 150 of 150	1.3776830 ± 0.0304376	0.0478	EXP 150 of 150	2.1470805 ± 0.0275275	0.0892	EXP 150 of 150	190.248888 ± 0.035858	0.9992	EXP 150 of 150	2296.47697 ± 0.12808	0.9998	EXP 150 of 150
14D30666	3.6 %	0.0258418 ± 0.0006188	0.9679	EXP 150 of 150	1.2618613 ± 0.0314837	0.0367	EXP 150 of 150	2.0123476 ± 0.0264134	0.1204	EXP 150 of 150	177.932797 ± 0.038206	0.9989	EXP 150 of 150	2149.96253 ± 0.11593	0.9998	EXP 150 of 150
14D30667	4.0 %	0.0258688 ± 0.0006559	0.9686	EXP 150 of 150	1.4063603 ± 0.0310457	0.1176	EXP 149 of 150	2.2246103 ± 0.0283224	0.2178	EXP 150 of 150	190.881413 ± 0.039601	0.9990	EXP 150 of 150	2306.29984 ± 0.11637	0.9999	EXP 150 of 150
14D30669	4.5 %	0.0301474 ± 0.0007953	0.9808	EXP 150 of 150	2.5642482 ± 0.0288373	0.2203	EXP 150 of 150	4.2028597 ± 0.0278210	0.4875	EXP 150 of 150	359.967595 ± 0.048893	0.9996	EXP 150 of 150	4347.48244 ± 0.17587	0.9999	EXP 150 of 150
14D30670	5.0 %	0.0280011 ± 0.0007278	0.9846	EXP 150 of 150	2.5749069 ± 0.0315364	0.2001	EXP 150 of 150	4.2020852 ± 0.0245969	0.4269	EXP 150 of 150	363.245170 ± 0.043804	0.9997	EXP 150 of 150	4382.13234 ± 0.16235	0.9999	EXP 150 of 150
14D30671	5.5 %	0.0260120 ± 0.0007322	0.9825	EXP 150 of 150	2.2473772 ± 0.0307232	0.1118	EXP 150 of 150	3.7457001 ± 0.0291684	0.3869	EXP 150 of 150	322.289695 ± 0.046380	0.9995	EXP 150 of 150	3887.48140 ± 0.17033	0.9999	EXP 150 of 150
14D30673	6.0 %	0.0227467 ± 0.0005974	0.9759	EXP 150 of 150	1.4564383 ± 0.0286805	0.0638	EXP 150 of 150	2.3219639 ± 0.0268736	0.0736	EXP 150 of 150	207.109825 ± 0.036397	0.9993	EXP 150 of 150	2503.68354 ± 0.11693	0.9999	EXP 150 of 150
14D30674	6.7 %	0.0208761 ± 0.0006253	0.9695	EXP 150 of 150	1.2683227 ± 0.0265249	0.0187	EXP 150 of 150	2.1240216 ± 0.0258745	0.1368	EXP 150 of 150	187.426871 ± 0.038929	0.9990	EXP 150 of 150	2264.46745 ± 0.11856	0.9998	EXP 150 of 150
14D30675	7.4 %	0.0234055 ± 0.0005808	0.9692	EXP 150 of 150	1.1682847 ± 0.0311667	0.0260	EXP 150 of 150	1.8926023 ± 0.0239911	0.1652	EXP 150 of 150	164.975713 ± 0.038180	0.9988	EXP 150 of 150	1994.41947 ± 0.10858	0.9998	EXP 150 of 150
14D30677	8.3 %	0.0225906 ± 0.0005474	0.9682	EXP 150 of 150	1.0410908 ± 0.0294912	0.0078	EXP 150 of 150	1.7513286 ± 0.0262859	0.1195	EXP 150 of 150	154.576448 ± 0.038873	0.9985	EXP 150 of 150	1871.62518 ± 0.10603	0.9998	EXP 150 of 150
14D30678	9.5 %	0.0228082 ± 0.0005872	0.9388	EXP 150 of 150	0.6376285 ± 0.0290814	0.0002	EXP 150 of 150	1.1084504 ± 0.0253078	0.0522	EXP 150 of 150	99.577585 ± 0.031952	0.9976	EXP 150 of 150	1207.39960 ± 0.08439	0.9997	EXP 150 of 150
14D30679	11.0 %	0.0183395 ± 0.0004274	0.9271	EXP 150 of 150	0.2558541 ± 0.0288688	0.0001	EXP 149 of 150	0.3645456 ± 0.0272719	0.0003	EXP 150 of 150	38.793057 ± 0.029952	0.9856	EXP 150 of 150	474.85354 ± 0.05486	0.9977	EXP 150 of 150
14D30681	13.0 %	0.0179236 ± 0.0004583	0.8812	EXP 149 of 150	0.1556742 ± 0.0293421	0.0028	EXP 150 of 150	0.2496277 ± 0.0247601	0.0003	EXP 150 of 150	26.803777 ± 0.029416	0.9694	EXP 150 of 150	331.22961 ± 0.05158	0.9931	EXP 150 of 150
14D30682	15.5 %	0.0164749 ± 0.0004034	0.9211	EXP 150 of 150	0.2693764 ± 0.0258927	0.0070	EXP 150 of 150	0.2854321 ± 0.0279857	0.0042	EXP 150 of 150	34.266809 ± 0.028964	0.9816	EXP 150 of 150	422.48060 ± 0.04882	0.9979	EXP 150 of 150
14D30684	18.5 %	0.0182223 ± 0.0005150	0.9390	EXP 150 of 150	0.5901109 ± 0.0268420	0.0343	EXP 149 of 150	0.9058590 ± 0.0269589	0.0800	EXP 150 of 150	81.944891 ± 0.033358	0.9961	EXP 150 of 150	1001.84851 ± 0.07714	0.9996	EXP 150 of 150
14D30685	21.5 %	0.0199415 ± 0.0004618	0.9546	EXP 149 of 150	0.5866319 ± 0.0260101	0.0029	EXP 150 of 150	0.9287422 ± 0.0250638	0.0175	EXP 150 of 150	86.812752 ± 0.031862	0.9968	EXP 150 of 150	1062.75343 ± 0.07543	0.9997	EXP 150 of 150
14D30687	24.5 %	0.0213195 ± 0.0005186	0.9272	EXP 150 of 150	0.4822467 ± 0.0294803	0.0000	EXP 150 of 150	0.7469350 ± 0.0278024	0.0098	EXP 150 of 150	71.434570 ± 0.032523	0.9950	EXP 150 of 150	875.61634 ± 0.06923	0.9996	EXP 150 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
14D30659	1.8 %	Susan Schnur	14-OSU-04	0.00	0.00	31.22	Walvis Ridge\MV1203 (13-INT-04)	14D30658	01
14D30661	2.0 %	Susan Schnur	14-OSU-04	0.00	0.00	31.22	Walvis Ridge\MV1203 (13-INT-04)	14D30658	01
14D30662	2.4 %	Susan Schnur	14-OSU-04	0.00	0.00	31.22	Walvis Ridge\MV1203 (13-INT-04)	14D30658	01
14D30663	2.8 %	Susan Schnur	14-OSU-04	0.00	0.00	31.22	Walvis Ridge\MV1203 (13-INT-04)	14D30658	01
14D30665	3.2 %	Susan Schnur	14-OSU-04	0.00	0.00	31.22	Walvis Ridge\MV1203 (13-INT-04)	14D30658	01
14D30666	3.6 %	Susan Schnur	14-OSU-04	0.00	0.00	31.22	Walvis Ridge\MV1203 (13-INT-04)	14D30658	01
14D30667	4.0 %	Susan Schnur	14-OSU-04	0.00	0.00	31.22	Walvis Ridge\MV1203 (13-INT-04)	14D30658	01
14D30669	4.5 %	Susan Schnur	14-OSU-04	0.00	0.00	31.22	Walvis Ridge\MV1203 (13-INT-04)	14D30658	01
14D30670	5.0 %	Susan Schnur	14-OSU-04	0.00	0.00	31.22	Walvis Ridge\MV1203 (13-INT-04)	14D30658	01
14D30671	5.5 %	Susan Schnur	14-OSU-04	0.00	0.00	31.22	Walvis Ridge\MV1203 (13-INT-04)	14D30658	01
14D30673	6.0 %	Susan Schnur	14-OSU-04	0.00	0.00	31.22	Walvis Ridge\MV1203 (13-INT-04)	14D30658	01
14D30674	6.7 %	Susan Schnur	14-OSU-04	0.00	0.00	31.22	Walvis Ridge\MV1203 (13-INT-04)	14D30658	01
14D30675	7.4 %	Susan Schnur	14-OSU-04	0.00	0.00	31.22	Walvis Ridge\MV1203 (13-INT-04)	14D30658	01
14D30677	8.3 %	Susan Schnur	14-OSU-04	0.00	0.00	31.22	Walvis Ridge\MV1203 (13-INT-04)	14D30658	01
14D30678	9.5 %	Susan Schnur	14-OSU-04	0.00	0.00	31.22	Walvis Ridge\MV1203 (13-INT-04)	14D30658	01
14D30679	11.0 %	Susan Schnur	14-OSU-04	0.00	0.00	31.22	Walvis Ridge\MV1203 (13-INT-04)	14D30658	01
14D30681	13.0 %	Susan Schnur	14-OSU-04	0.00	0.00	31.22	Walvis Ridge\MV1203 (13-INT-04)	14D30658	01
14D30682	15.5 %	Susan Schnur	14-OSU-04	0.00	0.00	31.22	Walvis Ridge\MV1203 (13-INT-04)	14D30658	01
14D30684	18.5 %	Susan Schnur	14-OSU-04	0.00	0.00	31.22	Walvis Ridge\MV1203 (13-INT-04)	14D30658	01
14D30685	21.5 %	Susan Schnur	14-OSU-04	0.00	0.00	31.22	Walvis Ridge\MV1203 (13-INT-04)	14D30658	01
14D30687	24.5 %	Susan Schnur	14-OSU-04	0.00	0.00	31.22	Walvis Ridge\MV1203 (13-INT-04)	14D30658	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
14D30659	1.8 %	MV1203-D56-22	Alkali-Feldspar	Harpooner Guyot	FCT-NM (4B20-14)	28.201	0.082	Kuiper et al (2008)	9.49451	0.202	0.00165542	0.202	303.577	0.171	0.99333988	0.072	1	4.8E-14	9	NOV	2014	13	11	1
14D30661	2.0 %	MV1203-D56-22	Alkali-Feldspar	Harpooner Guyot	FCT-NM (4B20-14)	28.201	0.082	Kuiper et al (2008)	9.49451	0.202	0.00165542	0.202	303.577	0.171	0.99333988	0.072	1	4.8E-14	9	NOV	2014	13	36	1
14D30662	2.4 %	MV1203-D56-22	Alkali-Feldspar	Harpooner Guyot	FCT-NM (4B20-14)	28.201	0.082	Kuiper et al (2008)	9.49451	0.202	0.00165542	0.202	303.577	0.171	0.99333988	0.072	1	4.8E-14	9	NOV	2014	13	48	1
14D30663	2.8 %	MV1203-D56-22	Alkali-Feldspar	Harpooner Guyot	FCT-NM (4B20-14)	28.201	0.082	Kuiper et al (2008)	9.49451	0.202	0.00165542	0.202	303.577	0.171	0.99333988	0.072	1	4.8E-14	9	NOV	2014	14	1	1
14D30665	3.2 %	MV1203-D56-22	Alkali-Feldspar	Harpooner Guyot	FCT-NM (4B20-14)	28.201	0.082	Kuiper et al (2008)	9.49451	0.202	0.00165542	0.202	303.577	0.171	0.99333988	0.072	1	4.8E-14	9	NOV	2014	14	26	1
14D30666	3.6 %	MV1203-D56-22	Alkali-Feldspar	Harpooner Guyot	FCT-NM (4B20-14)	28.201	0.082	Kuiper et al (2008)	9.49451	0.202	0.00165542	0.202	303.577	0.171	0.99333988	0.072	1	4.8E-14	9	NOV	2014	14	38	1
14D30667	4.0 %	MV1203-D56-22	Alkali-Feldspar	Harpooner Guyot	FCT-NM (4B20-14)	28.201	0.082	Kuiper et al (2008)	9.49451	0.202	0.00165542	0.202	303.577	0.171	0.99333988	0.072	1	4.8E-14	9	NOV	2014	14	51	1
14D30669	4.5 %	MV1203-D56-22	Alkali-Feldspar	Harpooner Guyot	FCT-NM (4B20-14)	28.201	0.082	Kuiper et al (2008)	9.49451	0.202	0.00165542	0.202	303.577	0.171	0.99333988	0.072	1	4.8E-14	9	NOV	2014	15	16	1
14D30670	5.0 %	MV1203-D56-22	Alkali-Feldspar	Harpooner Guyot	FCT-NM (4B20-14)	28.201	0.082	Kuiper et al (2008)	9.49451	0.202	0.00165542	0.202	303.577	0.171	0.99333988	0.072	1	4.8E-14	9	NOV	2014	15	28	1
14D30671	5.5 %	MV1203-D56-22	Alkali-Feldspar	Harpooner Guyot	FCT-NM (4B20-14)	28.201	0.082	Kuiper et al (2008)	9.49451	0.202	0.00165542	0.202	303.577	0.171	0.99333988	0.072	1	4.8E-14	9	NOV	2014	15	40	1
14D30673	6.0 %	MV1203-D56-22	Alkali-Feldspar	Harpooner Guyot	FCT-NM (4B20-14)	28.201	0.082	Kuiper et al (2008)	9.49451	0.202	0.00165542	0.202	303.577	0.171	0.99333988	0.072	1	4.8E-14	9	NOV	2014	16	5	1
14D30674	6.7 %	MV1203-D56-22	Alkali-Feldspar	Harpooner Guyot	FCT-NM (4B20-14)	28.201	0.082	Kuiper et al (2008)	9.49451	0.202	0.00165542	0.202	303.577	0.171	0.99333988	0.072	1	4.8E-14	9	NOV	2014	16	18	1
14D30675	7.4 %	MV1203-D56-22	Alkali-Feldspar	Harpooner Guyot	FCT-NM (4B20-14)	28.201	0.082	Kuiper et al (2008)	9.49451	0.202	0.00165542	0.202	303.577	0.171	0.99333988	0.072	1	4.8E-14	9	NOV	2014	16	30	1
14D30677	8.3 %	MV1203-D56-22	Alkali-Feldspar	Harpooner Guyot	FCT-NM (4B20-14)	28.201	0.082	Kuiper et al (2008)	9.49451	0.202	0.00165542	0.202	303.577	0.171	0.99333988	0.072	1	4.8E-14	9	NOV	2014	16	55	1
14D30678	9.5 %	MV1203-D56-22	Alkali-Feldspar	Harpooner Guyot	FCT-NM (4B20-14)	28.201	0.082	Kuiper et al (2008)	9.49451	0.202	0.00165542	0.202	303.577	0.171	0.99333988	0.072	1	4.8E-14	9	NOV	2014	17	7	1
14D30679	11.0 %	MV1203-D56-22	Alkali-Feldspar	Harpooner Guyot	FCT-NM (4B20-14)	28.201	0.082	Kuiper et al (2008)	9.49451	0.202	0.00165542	0.202	303.577	0.171	0.99333988	0.072	1	4.8E-14	9	NOV	2014	17	20	1
14D30681	13.0 %	MV1203-D56-22	Alkali-Feldspar	Harpooner Guyot	FCT-NM (4B20-14)	28.201	0.082	Kuiper et al (2008)	9.49451	0.202	0.00165542	0.202	303.577	0.171	0.99333988	0.072	1	4.8E-14	9	NOV	2014	17	45	1
14D30682	15.5 %	MV1203-D56-22	Alkali-Feldspar	Harpooner Guyot	FCT-NM (4B20-14)	28.201	0.082	Kuiper et al (2008)	9.49451	0.202	0.00165542	0.202	303.577	0.171	0.99333988	0.072	1	4.8E-14	9	NOV	2014	17	57	1
14D30684	18.5 %	MV1203-D56-22	Alkali-Feldspar	Harpooner Guyot	FCT-NM (4B20-14)	28.201	0.082	Kuiper et al (2008)	9.49451	0.202	0.00165542	0.202	303.577	0.171	0.99333988	0.072	1	4.8E-14	9	NOV	2014	18	22	1
14D30685	21.5 %	MV1203-D56-22	Alkali-Feldspar	Harpooner Guyot	FCT-NM (4B20-14)	28.201	0.082	Kuiper et al (2008)	9.49451	0.202	0.00165542	0.202	303.577	0.171	0.99333988	0.072	1	4.8E-14	9	NOV	2014	18	35	1
14D30687	24.5 %	MV1203-D56-22	Alkali-Feldspar	Harpooner Guyot	FCT-NM (4B20-14)	28.201	0.082	Kuiper et al (2008)	9.49451	0.202	0.00165542	0.202	303.577	0.171	0.99333988	0.072	1	4.8E-14	9	NOV	2014	18	59	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
14D30659	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
14D30661	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
14D30662	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
14D30663	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
14D30665	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
14D30666	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
14D30667	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
14D30669	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
14D30670	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
14D30671	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
14D30673	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
14D30674	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
14D30675	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
14D30677	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
14D30678	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
14D30679	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
14D30681	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
14D30682	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
14D30684	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
14D30685	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
14D30687	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

14D30658.AGE >>> MV1203-D56-22 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
35.35 ± 0.14
TOTAL FUSION
35.39 ± 0.14
NORMAL ISOCHRON
35.37 ± 0.15
INVERSE ISOCHRON
35.37 ± 0.14

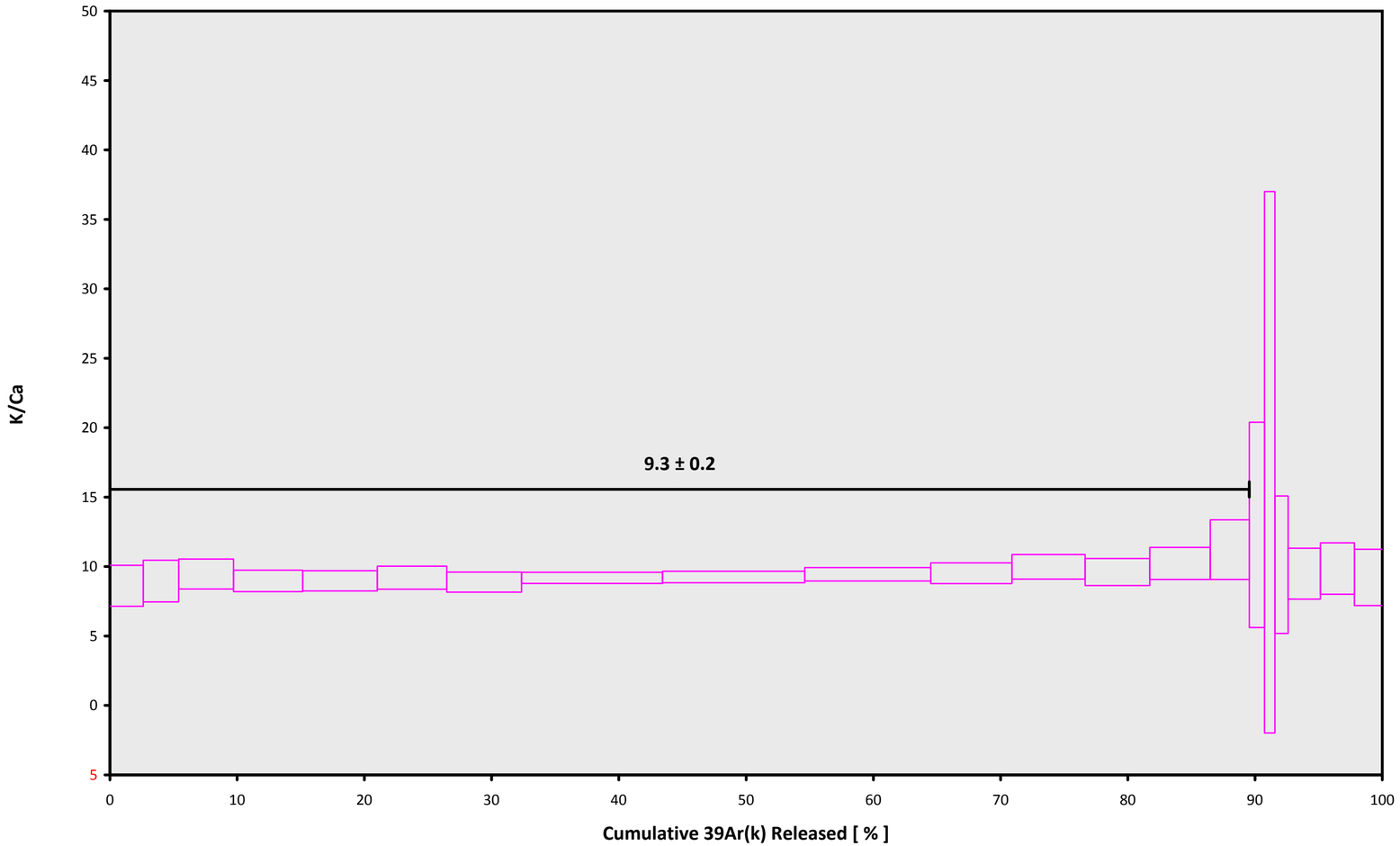
MSWD (PROBABILITY)
0.98 (47%)

Sample Info

Alkali-Feldspar
Harpooner Guyot
Susan Schnur

IRR = 14-OSU-04 (4B20-14)
J = 0.00165542 ± 0.00000334

14D30658.AGE >>> MV1203-D56-22 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

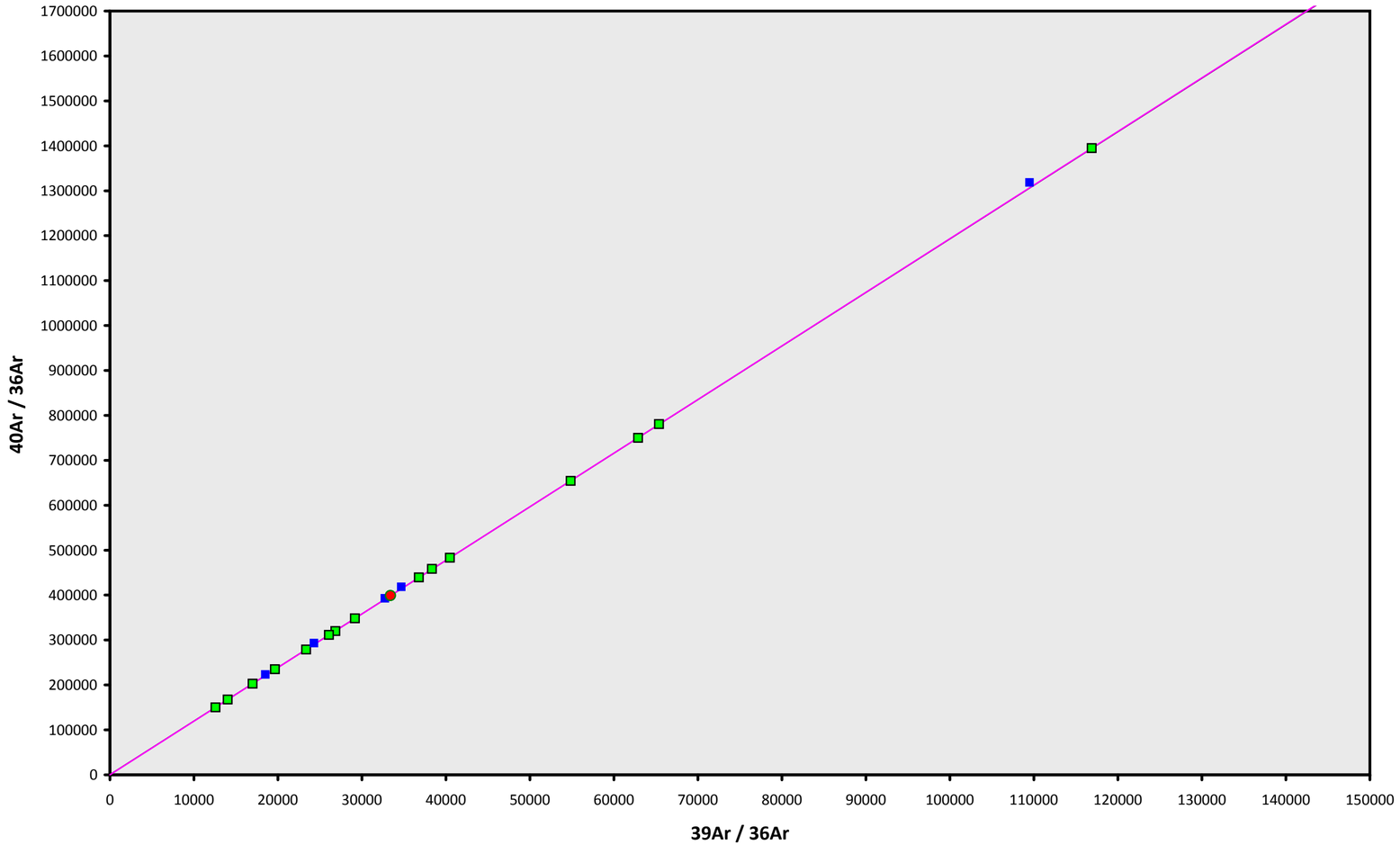
WEIGHTED PLATEAU
35.35 ± 0.14
TOTAL FUSION
35.39 ± 0.14
NORMAL ISOCHRON
35.37 ± 0.15
INVERSE ISOCHRON
35.37 ± 0.14

Sample Info

Alkali-Feldspar
Harpooner Guyot
Susan Schnur

IRR = 14-OSU-04 (4B20-14)
J = 0.00165542 ± 0.00000334

14D30658.AGE >>> MV1203-D56-22 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
35.35 ± 0.14
TOTAL FUSION
35.39 ± 0.14
NORMAL ISOCHRON
35.37 ± 0.15
INVERSE ISOCHRON
35.37 ± 0.14

MSWD (PROBABILITY)
0.78 (68%)

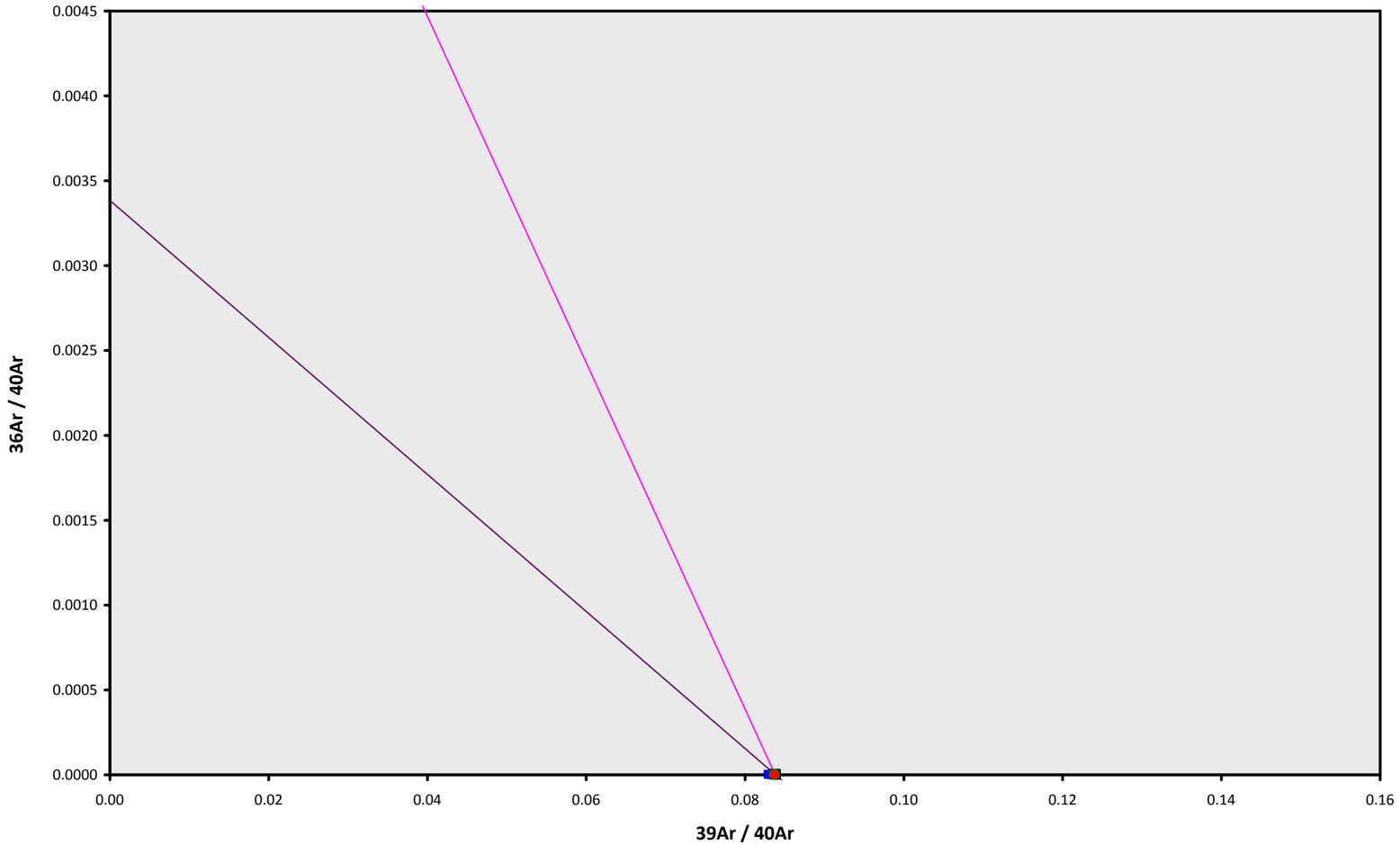
40AR/36AR INTERCEPT
86.0 ± 284.4

Sample Info

Alkali-Feldspar
Harpooner Guyot
Susan Schnur

IRR = 14-OSU-04 (4B20-14)
J = 0.00165542 ± 0.00000334

14D30658.AGE >>> MV1203-D56-22 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
35.35 ± 0.14
TOTAL FUSION
35.39 ± 0.14
NORMAL ISOCHRON
35.37 ± 0.15
INVERSE ISOCHRON
35.37 ± 0.14

MSWD (PROBABILITY)
0.96 (48%)

SPREADING FACTOR
0.3%

40AR/36AR INTERCEPT
117.0 ± 64.9

Sample Info

Alkali-Feldspar
Harpooner Guyot
Susan Schnur

IRR = 14-OSU-04 (4B20-14)
J = 0.00165542 ± 0.00000334