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
13D04033	1.6 %		0.0068674	16.759	7.522	9.213	0.0106909	363.058	0.26153	12.736	3.7217	6.748	8.90553 ± 4.05027	25.79 ± 11.65	61.36	0.09	0.0147 ± 0.0047
13D04035	2.0 %		0.0084265	13.728	14.610	4.972	0.0073101	531.410	0.45033	7.665	5.4984	4.567	9.43669 ± 2.44232	27.31 ± 7.02	75.59	0.16	0.0130 ± 0.0024
13D04036	2.4 %		0.0080007	14.311	25.078	2.737	0.0148844	257.445	0.77530	4.764	6.9681	3.606	8.66931 ± 1.40322	25.11 ± 4.04	94.35	0.28	0.0130 ± 0.0015
13D04037	2.8 %		0.0155256	7.564	49.250	1.501	0.0304814	126.977	1.42701	2.376	12.9437	1.940	8.77261 ± 0.75310	25.41 ± 2.17	94.46	0.51	0.0122 ± 0.0007
13D04039	3.2 %		0.0294186	4.042	94.165	0.890	0.0718871	54.967	2.54292	1.329	23.5479	1.068	8.97734 ± 0.42944	25.99 ± 1.23	94.52	0.91	0.0113 ± 0.0004
13D04040	3.6 %		0.0502149	2.520	169.904	0.594	0.0550242	73.715	4.33829	0.777	39.0259	0.644	8.88865 ± 0.25925	25.74 ± 0.75	96.20	1.55	0.0107 ± 0.0002
13D04041	4.0 %		0.0606128	2.111	215.196	0.549	0.0769238	52.051	5.30806	0.660	47.2613	0.533	8.96137 ± 0.21726	25.95 ± 0.62	97.89	1.90	0.0103 ± 0.0002
13D04043	4.5 %	✓	0.0828166	1.590	294.027	0.501	0.1070291	37.525	7.09650	0.475	63.9725	0.394	9.07693 ± 0.16505	26.28 ± 0.47	97.87	2.54	0.0101 ± 0.0001
13D04044	5.2 %	✓	0.1245861	1.171	449.371	0.465	0.1916746	21.585	10.74704	0.355	96.3638	0.261	9.08443 ± 0.12127	26.30 ± 0.35	98.45	3.84	0.0100 ± 0.0001
13D04045	6.1 %	✓	0.1775538	0.861	628.662	0.452	0.2797080	13.386	15.18058	0.252	135.8327	0.186	8.99868 ± 0.09038	26.06 ± 0.26	97.76	5.43	0.0101 ± 0.0001
13D04047	7.3 %	✓	0.2874671	0.631	1052.952	0.444	0.3843961	10.226	25.74126	0.152	229.6429	0.110	9.08752 ± 0.06374	26.31 ± 0.18	99.05	9.20	0.0102 ± 0.0001
13D04048	8.5 %	✓	0.3521446	0.570	1281.276	0.442	0.4218776	9.763	32.52454	0.122	290.4379	0.087	9.06803 ± 0.05579	26.26 ± 0.16	98.85	11.64	0.0106 ± 0.0001
13D04049	9.7 %	✓	0.3549670	0.558	1279.833	0.442	0.4827158	7.904	33.77176	0.126	301.8535	0.084	9.04203 ± 0.05391	26.18 ± 0.15	98.57	12.10	0.0111 ± 0.0001
13D04051	11.0 %	✓	0.3111086	0.599	1128.902	0.443	0.3982741	10.019	30.93703	0.134	277.3175	0.092	9.08403 ± 0.05519	26.30 ± 0.16	98.84	11.10	0.0115 ± 0.0001
13D04052	12.4 %	✓	0.2315688	0.721	840.052	0.447	0.3018500	13.068	23.73348	0.161	213.3848	0.119	9.10702 ± 0.06295	26.37 ± 0.18	98.87	8.52	0.0119 ± 0.0001
13D04053	14.0 %	✓	0.1852535	0.854	647.420	0.453	0.2276302	17.736	19.17193	0.204	173.3914	0.146	9.04874 ± 0.07316	26.20 ± 0.21	97.77	6.89	0.0124 ± 0.0001
13D04055	15.8 %	✓	0.2293342	0.765	702.670	0.450	0.2416842	16.593	22.18468	0.168	209.2962	0.121	9.06216 ± 0.06636	26.24 ± 0.19	94.00	7.98	0.0133 ± 0.0001
13D04056	18.0 %	✓	0.1930016	0.817	629.944	0.454	0.2223379	16.986	20.01295	0.187	183.9642	0.137	9.00728 ± 0.06877	26.08 ± 0.20	95.90	7.20	0.0134 ± 0.0001
13D04057	20.5 %	✓	0.1281666	1.103	398.512	0.471	0.2077937	19.730	13.01963	0.279	122.2586	0.206	9.07404 ± 0.09571	26.27 ± 0.28	94.63	4.69	0.0138 ± 0.0002
13D04059	23.0 %		0.0918178	1.453	281.332	0.512	0.1398308	27.951	9.60565	0.382	92.0785	0.273	9.24522 ± 0.12542	26.76 ± 0.36	94.54	3.46	0.0144 ± 0.0002
		Σ	2.9288528	0.230	10190.676	0.131	3.8296151	4.615	278.83045	0.059	2528.7615	0.045					

Information on Analysis and Constants Used in Calculations

Project = **MV1203 (13-INT-04)**
Sample = **MV1203-D38-01**
Material = **Plagioclase**
Location = **Hector Guyot**
Region = **Walvis Ridge**
Analyst = **Susan Schnur**
Irradiation = **13-OSU-05**
Position = **X: | Y: | Z/H: 53 mm**
FCT-NM Age = **28.201 ± 0.023 Ma**
FCT-NM Reference = **Kuiper et al (2008)**
FCT-NM 40Ar/39Ar Ratio = **9.74538 ± 0.01150**
FCT-NM J-value = **0.00161280 ± 0.00000190**
Air Shot 40Ar/36Ar = **302.7470 ± 0.2906**
Air Shot MDF = **0.99400790 ± 0.00062477 (LIN)**
Experiment Type = **Incremental Heating**
Extraction Method = **Bulk Laser Heating**
Heating = **60 sec**
Isolation = **5.52 min**
Instrument = **ARGUS-VI-D**
Preferred Age = **Plateau Age**
Age Classification = **Eruption Age**
IGSN = **IESS10005**
Rock Class = **Igneous>Volcanic>Mafic**
Lithology = **Basalt**
Lat-Lon = **37°47.2'S - 8°52.3'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		9.06264 ± 0.02019 (± 0.22%)	**26.24 ± 0.08 (± 0.32%)**	0.80 (64%)	91.13 (12)	0.0113 ± 0.0007
		Full External Error ± 0.60		1.85	2σ Confidence Limit	
		Analytical Error ± 0.06		1.0000	Error Magnification	
Total Fusion Age		9.06129 ± 0.02180 (± 0.24%)	**26.24 ± 0.09 (± 0.33%)**		20	0.0115 ± 0.0000
		Full External Error ± 0.60				
		Analytical Error ± 0.06				
Normal Isochron	**248.48 ± 41.79 (± 16.82%)**	9.09994 ± 0.03438 (± 0.38%)	**26.35 ± 0.12 (± 0.44%)**	1.48 (14%)	91.13 (12)	
		Full External Error ± 0.60		1.89	2σ Confidence Limit	
		Analytical Error ± 0.10		1.2175	Error Magnification	
				1	Number of Iterations	
				0.0000064709	Convergence	
Inverse Isochron	**282.25 ± 36.18 (± 12.82%)**	9.07193 ± 0.03168 (± 0.35%)	**26.27 ± 0.11 (± 0.42%)**	0.83 (60%)	91.13 (12)	
Clustered Points		Full External Error ± 0.60		1.89	2σ Confidence Limit	
		Analytical Error ± 0.09		1.0000	Error Magnification	
Notes				3	Number of Iterations	
Good plateau				0.0000045564	Convergence	
				5%	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
13D04033	1.6 %		0.0048629	7.522	0.0061567	0.25644	2.2838	25.79 ± 11.65	61.36	0.09	0.0147 ± 0.0047
13D04035	2.0 %		0.0045357	14.610	0.0000000	0.44046	4.1564	27.31 ± 7.02	75.59	0.16	0.0130 ± 0.0024
13D04036	2.4 %		0.0013224	25.078	0.0000000	0.75835	6.5744	25.11 ± 4.04	94.35	0.28	0.0130 ± 0.0015
13D04037	2.8 %		0.0024082	49.250	0.0097271	1.39374	12.2267	25.41 ± 2.17	94.46	0.51	0.0122 ± 0.0007
13D04039	3.2 %		0.0043345	94.165	0.0344874	2.47930	22.2575	25.99 ± 1.23	94.52	0.91	0.0113 ± 0.0004
13D04040	3.6 %		0.0049696	169.904	0.0000000	4.22351	37.5413	25.74 ± 0.75	96.20	1.55	0.0107 ± 0.0002
13D04041	4.0 %		0.0033061	215.196	0.0000000	5.16268	46.2647	25.95 ± 0.62	97.89	1.90	0.0103 ± 0.0002
13D04043	4.5 %	✓	0.0045167	294.027	0.0020856	6.89786	62.6114	26.28 ± 0.47	97.87	2.54	0.0101 ± 0.0001
13D04044	5.2 %	✓	0.0049110	449.371	0.0328468	10.44344	94.8727	26.30 ± 0.35	98.45	3.84	0.0100 ± 0.0001
13D04045	6.1 %	✓	0.0101285	628.662	0.0551493	14.75586	132.7833	26.06 ± 0.26	97.76	5.43	0.0101 ± 0.0001
13D04047	7.3 %	✓	0.0070647	1052.952	0.0063393	25.02988	227.4596	26.31 ± 0.18	99.05	9.20	0.0102 ± 0.0001
13D04048	8.5 %	✓	0.0109409	1281.276	0.0000000	31.65891	287.0838	26.26 ± 0.16	98.85	11.64	0.0106 ± 0.0001
13D04049	9.7 %	✓	0.0141475	1279.833	0.0000000	32.90710	297.5471	26.18 ± 0.15	98.57	12.10	0.0111 ± 0.0001
13D04051	11.0 %	✓	0.0104821	1128.902	0.0000000	30.17434	274.1047	26.30 ± 0.16	98.84	11.10	0.0115 ± 0.0001
13D04052	12.4 %	✓	0.0078631	840.052	0.0000000	23.16594	210.9726	26.37 ± 0.18	98.87	8.52	0.0119 ± 0.0001
13D04053	14.0 %	✓	0.0128456	647.420	0.0000000	18.73453	169.5239	26.20 ± 0.21	97.77	6.89	0.0124 ± 0.0001
13D04055	15.8 %	✓	0.0422133	702.670	0.0000000	21.70996	196.7392	26.24 ± 0.19	94.00	7.98	0.0133 ± 0.0001
13D04056	18.0 %	✓	0.0252474	629.944	0.0000000	19.58736	176.4287	26.08 ± 0.20	95.90	7.20	0.0134 ± 0.0001
13D04057	20.5 %	✓	0.0220380	398.512	0.0216616	12.75040	115.6977	26.27 ± 0.28	94.63	4.69	0.0138 ± 0.0002
13D04059	23.0 %		0.0168984	281.332	0.0031940	9.41558	87.0491	26.76 ± 0.36	94.54	3.46	0.0144 ± 0.0002
		Σ	0.2150368	10190.676	0.1716479	271.94563	2464.1785				

Information on Analysis

Project = **MV1203 (13-INT-04)**
Sample = **MV1203-D38-01**
Material = **Plagioclase**
Location = **Hector Guyot**
Region = **Walvis Ridge**
Analyst = **Susan Schnur**
Irradiation = **13-OSU-05**
J = **0.00161280 ± 0.00000190**
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	9.06264	± 0.02019	**26.24**	**± 0.08**	0.80	91.13	0.0113 ± 0.0007
		± 0.22%		**± 0.32%**	64%	12	
			Full External Error	± 0.60	1.85	2σ Confidence Limit	
			Analytical Error	± 0.06	1.0000	Error Magnification	
Total Fusion Age	9.06129	± 0.02180	**26.24**	**± 0.09**		20	0.0115 ± 0.0000
		± 0.24%		**± 0.33%**			
			Full External Error	± 0.60			
			Analytical Error	± 0.06			

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
13D04033	1.6 %		52.74 ± 28.75	765.13 ± 381.07	0.8463
13D04035	2.0 %		97.11 ± 52.48	1211.88 ± 636.44	0.9424
13D04036	2.4 %		573.48 ± 1007.25	5267.15 ± 9244.78	0.9976
13D04037	2.8 %		578.73 ± 573.11	5372.51 ± 5317.92	0.9980
13D04039	3.2 %		571.99 ± 319.85	5430.41 ± 3035.26	0.9981
13D04040	3.6 %		849.86 ± 443.20	7849.65 ± 4092.84	0.9992
13D04041	4.0 %		1561.56 ± 1247.35	14289.19 ± 11413.35	0.9998
13D04043	4.5 %	✓	1527.17 ± 932.54	14157.55 ± 8644.63	0.9998
13D04044	5.2 %	✓	2126.55 ± 1361.73	19613.96 ± 12559.36	0.9999
13D04045	6.1 %	✓	1456.86 ± 495.87	13405.32 ± 4562.52	0.9998
13D04047	7.3 %	✓	3542.96 ± 2245.60	32492.24 ± 20594.05	1.0000
13D04048	8.5 %	✓	2893.62 ± 1355.34	26534.95 ± 12428.55	1.0000
13D04049	9.7 %	✓	2325.99 ± 834.91	21327.21 ± 7655.23	1.0000
13D04051	11.0 %	✓	2878.66 ± 1283.14	26445.34 ± 11787.64	1.0000
13D04052	12.4 %	✓	2946.17 ± 1480.21	27126.30 ± 13628.57	1.0000
13D04053	14.0 %	✓	1458.44 ± 404.89	13492.54 ± 3745.55	0.9998
13D04055	15.8 %	✓	514.29 ± 47.92	4956.10 ± 461.63	0.9990
13D04056	18.0 %	✓	775.82 ± 108.79	7283.51 ± 1021.11	0.9994
13D04057	20.5 %	✓	578.56 ± 79.25	5545.41 ± 759.28	0.9987
13D04059	23.0 %		557.19 ± 91.94	5446.81 ± 898.23	0.9983

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	**248.48 ± 41.79**	9.09994 ± 0.03438	**26.35 ± 0.12**	1.48
	± 16.82%	± 0.38%	**± 0.44%**	14%
			Full External Error ± 0.60	
			Analytical Error ± 0.10	

Statistics				
	2σ Confidence Limit	1.89	Convergence	0.000006470937
	Error Magnification	1.2175	Number of Iterations	1
	Number of Data Points	12	Calculated Line	Weighted York-2

Inverse Isochron			39(k)/40(a+r) ± 2σ		36(a)/40(a+r) ± 2σ		r.i.
13D04033	1.6 %		0.0689227	± 0.0201784	0.00130696	± 0.00065091	0.1250
13D04035	2.0 %		0.0801302	± 0.0145387	0.00082517	± 0.00043335	0.0876
13D04036	2.4 %		0.1088781	± 0.0131993	0.00018986	± 0.00033323	0.0245
13D04037	2.8 %		0.1077214	± 0.0067057	0.00018613	± 0.00018424	0.0245
13D04039	3.2 %		0.1053301	± 0.0036504	0.00018415	± 0.00010293	0.0236
13D04040	3.6 %		0.1082678	± 0.0022234	0.00012739	± 0.00006642	0.0155
13D04041	4.0 %		0.1092824	± 0.0018881	0.00006998	± 0.00005590	0.0082
13D04043	4.5 %	✓	0.1078699	± 0.0013583	0.00007063	± 0.00004313	0.0081
13D04044	5.2 %	✓	0.1084201	± 0.0009783	0.00005098	± 0.00003265	0.0047
13D04045	6.1 %	✓	0.1086777	± 0.0006993	0.00007460	± 0.00002539	0.0063
13D04047	7.3 %	✓	0.1090403	± 0.0004262	0.00003078	± 0.00001951	0.0020
13D04048	8.5 %	✓	0.1090495	± 0.0003442	0.00003769	± 0.00001765	0.0021
13D04049	9.7 %	✓	0.1090623	± 0.0003454	0.00004689	± 0.00001683	0.0025
13D04051	11.0 %	✓	0.1088532	± 0.0003686	0.00003781	± 0.00001685	0.0022
13D04052	12.4 %	✓	0.1086093	± 0.0004482	0.00003686	± 0.00001852	0.0027
13D04053	14.0 %	✓	0.1080923	± 0.0005549	0.00007412	± 0.00002057	0.0060
13D04055	15.8 %	✓	0.1037695	± 0.0004403	0.00020177	± 0.00001879	0.0148
13D04056	18.0 %	✓	0.1065171	± 0.0005053	0.00013730	± 0.00001925	0.0114
13D04057	20.5 %	✓	0.1043320	± 0.0007373	0.00018033	± 0.00002469	0.0176
13D04059	23.0 %		0.1022959	± 0.0009765	0.00018359	± 0.00003028	0.0190

Results	40(a)/36(a) ± 2σ		40(r)/39(k) ± 2σ		Age ± 2σ (Ma)		MSWD
Inverse Isochron	**282.25**	**± 36.18**	9.07193	± 0.03168	**26.27**	**± 0.11**	0.83
Clustered Points		**± 12.82%**		± 0.35%		**± 0.42%**	60%
					Full External Error	± 0.60	
					Analytical Error	± 0.09	

Statistics				
	2σ Confidence Limit	1.89	Convergence	0.0000045564
	Error Magnification	1.0000	Number of Iterations	3
	Number of Data Points	12	Calculated Line	Weighted York-2
	Spreading Factor	4.8%		

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
13D04033	1.6 %		0.0048629	23.97	0.0000000	0.00	0.0020031	9.21	0.0000014	630.51	7.522	9.21	0.0009089	23.97	0.0000000	0.00	0.0030853	12.99	0.0005401	15.79	0.0061567	630.51	0.25644	12.99	0.0050819	9.31	2.2838	18.67	1.436979	23.97	0.0000000	0.00	0.0009804	13.26
13D04035	2.0 %		0.0045357	25.86	0.0000000	0.00	0.0038908	4.97	0.0000000	0.00	14.610	4.97	0.0008477	25.86	0.0000000	0.00	0.0052991	7.84	0.0010490	13.75	0.0000000	0.00	0.44046	7.84	0.0098708	5.14	4.1564	10.30	1.340309	25.86	0.0000000	0.00	0.0016839	8.28
13D04036	2.4 %		0.0013224	87.68	0.0000000	0.00	0.0066783	2.74	0.0000000	0.00	25.078	2.74	0.0002472	87.68	0.0000000	0.00	0.0091238	4.87	0.0018006	13.11	0.0000000	0.00	0.75835	4.87	0.0169428	3.04	6.5744	6.46	0.390763	87.68	0.0000000	0.00	0.0028992	5.55
13D04037	2.8 %		0.0024082	49.45	0.0000000	0.00	0.0131151	1.51	0.0000022	397.97	49.250	1.50	0.0004501	49.45	0.0000000	0.00	0.0167680	2.44	0.0035361	12.91	0.0097271	397.98	1.39374	2.43	0.0332730	2.00	12.2267	3.54	0.711637	49.45	0.0000000	0.00	0.0053283	3.61
13D04039	3.2 %		0.0043345	27.93	0.0000000	0.00	0.0250763	0.90	0.0000078	114.62	94.165	0.89	0.0008101	27.93	0.0000000	0.00	0.0298285	1.37	0.0067611	12.85	0.0344874	114.62	2.47930	1.36	0.0636182	1.59	22.2575	1.96	1.280859	27.93	0.0000000	0.00	0.0094784	2.99
13D04040	3.6 %		0.0049696	26.06	0.0000000	0.00	0.0452453	0.61	0.0000000	0.00	169.904	0.59	0.0009288	26.06	0.0000000	0.00	0.0508130	0.82	0.0121991	12.83	0.0000000	0.00	4.22351	0.80	0.1147868	1.45	37.5413	1.22	1.468524	26.06	0.0000000	0.00	0.0161465	2.78
13D04041	4.0 %		0.0033061	39.93	0.0000000	0.00	0.0573067	0.57	0.0000000	0.00	215.196	0.55	0.0006179	39.93	0.0000000	0.00	0.0621122	0.70	0.0154511	12.83	0.0000000	0.00	5.16268	0.68	0.1453864	1.43	46.2647	1.00	0.976955	39.93	0.0000000	0.00	0.0197369	2.75
13D04043	4.5 %	✓	0.0045167	30.53	0.0000000	0.00	0.0782994	0.52	0.0000005	######	294.027	0.50	0.0008442	30.53	0.0000000	0.00	0.0829881	0.52	0.0211111	12.83	0.0020856	######	6.89786	0.49	0.1986446	1.41	62.6114	0.77	1.334699	30.53	0.0000000	0.00	0.0263705	2.70
13D04044	5.2 %	✓	0.0049110	32.02	0.0000000	0.00	0.1196676	0.49	0.0000074	126.60	449.371	0.46	0.0009179	32.02	0.0000000	0.00	0.1256450	0.40	0.0322649	12.83	0.0328468	126.61	10.44344	0.37	0.3035954	1.40	94.8727	0.56	1.451197	32.02	0.0000000	0.00	0.0399253	2.69
13D04045	6.1 %	✓	0.0101285	17.02	0.0000000	0.00	0.1674128	0.48	0.0000125	68.72	628.662	0.45	0.0018930	17.02	0.0000000	0.00	0.1775278	0.31	0.0451380	12.83	0.0551493	68.72	14.75586	0.26	0.4247243	1.40	132.7833	0.43	2.992984	17.02	0.0000000	0.00	0.0564117	2.67
13D04047	7.3 %	✓	0.0070647	31.69	0.0000000	0.00	0.2804010	0.47	0.0000014	638.82	1052.952	0.44	0.0013204	31.69	0.0000000	0.00	0.3011345	0.23	0.0756019	12.83	0.0063393	638.82	25.02988	0.16	0.7113740	1.39	227.4596	0.31	2.087612	31.69	0.0000000	0.00	0.0956892	2.66
13D04048	8.5 %	✓	0.0109409	23.42	0.0000000	0.00	0.3412037	0.47	0.0000000	0.00	1281.276	0.44	0.0020449	23.42	0.0000000	0.00	0.3808883	0.21	0.0919956	12.83	0.0000000	0.00	31.65891	0.13	0.8656297	1.39	287.0838	0.28	3.233042	23.42	0.0000000	0.00	0.1210320	2.66
13D04049	9.7 %	✓	0.0141475	17.95	0.0000000	0.00	0.3408194	0.47	0.0000000	0.00	1279.833	0.44	0.0026442	17.95	0.0000000	0.00	0.3959053	0.21	0.0918920	12.83	0.0000000	0.00	32.90710	0.13	0.8646550	1.39	297.5471	0.27	4.180599	17.95	0.0000000	0.00	0.1258038	2.66
13D04051	11.0 %	✓	0.0104821	22.29	0.0000000	0.00	0.3006266	0.47	0.0000000	0.00	1128.902	0.44	0.0019591	22.29	0.0000000	0.00	0.3630275	0.21	0.0810551	12.83	0.0000000	0.00	30.17434	0.14	0.7626861	1.39	274.1047	0.27	3.097454	22.29	0.0000000	0.00	0.1153565	2.66
13D04052	12.4 %	✓	0.0078631	25.12	0.0000000	0.00	0.2237057	0.47	0.0000000	0.00	840.052	0.45	0.0014696	25.12	0.0000000	0.00	0.2787094	0.23	0.0603157	12.83	0.0000000	0.00	23.16594	0.17	0.5675389	1.39	210.9726	0.30	2.323540	25.12	0.0000000	0.00	0.0885634	2.67
13D04053	14.0 %	✓	0.0128456	13.88	0.0000000	0.00	0.1724079	0.48	0.0000000	0.00	647.420	0.45	0.0024008	13.88	0.0000000	0.00	0.2253952	0.26	0.0464848	12.83	0.0000000	0.00	18.73453	0.21	0.4373969	1.40	169.5239	0.34	3.795874	13.88	0.0000000	0.00	0.0716221	2.67
13D04055	15.8 %	✓	0.0422133	4.66	0.0000000	0.00	0.1871209	0.47	0.0000000	0.00	702.670	0.45	0.0078897	4.66	0.0000000	0.00	0.2611925	0.24	0.0504517	12.83	0.0000000	0.00	21.70996	0.17	0.4747236	1.39	196.7392	0.32	12.474036	4.66	0.0000000	0.00	0.0829972	2.67
13D04056	18.0 %	✓	0.0252474	7.01	0.0000000	0.00	0.1677542	0.48	0.0000000	0.00	629.944	0.45	0.0047187	7.01	0.0000000	0.00	0.2356555	0.25	0.0452300	12.83	0.0000000	0.00	19.58736	0.19	0.4255905	1.40	176.4287	0.33	7.460592	7.01	0.0000000	0.00	0.0748825	2.67
13D04057	20.5 %	✓	0.0220380	6.84	0.0000000	0.00	0.1061237	0.49	0.0000049	190.05	398.512	0.47	0.0041189	6.84	0.0000000	0.00	0.1534000	0.33	0.0286131	12.83	0.0216616	190.05	12.75040	0.29	0.2692346	1.40	115.6977	0.44	6.512236	6.84	0.0000000	0.00	0.0487448	2.68
13D04059	23.0 %		0.0168984	8.24	0.0000000	0.00	0.0749186	0.53	0.0000007	######	281.332	0.51	0.0031583	8.24	0.0000000	0.00	0.1132788	0.42	0.0201996	12.83	0.0031940	######	9.41558	0.39	0.1900676	1.42	87.0491	0.55	4.993489	8.24	0.0000000	0.00	0.0359958	2.69
		Σ	0.2150368	3.59	0.0000000	0.00	2.7137771	0.14	0.0000389	69.48	10190.676	0.13	0.0401904	3.59	0.0000000	0.00	3.2717779	0.08	0.7316906	3.71	0.1716479	69.48	271.94563	0.06	6.8848209	0.40	2464.1785	0.10	63.543379	3.59	0.0000000	0.00	1.0396482	0.76
		Σ							2.9288528	0.29	10190.676	0.13									4.2153067	2.90			278.83045	0.06							2528.7615	0.14

Additional Parameters			40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
13D04033	1.6 %		14.230823	2.051078	28.762095	4.520980	0.026259	0.005527	139.416	15.740111	1.00098509	1.786E-13
13D04035	2.0 %		12.209890	1.089429	32.444168	2.964298	0.018712	0.002942	139.433	15.745509	1.00098521	2.639E-13
13D04036	2.4 %		8.987611	0.537013	32.346424	1.777290	0.010319	0.001557	139.442	15.748317	1.00098527	3.345E-13
13D04037	2.8 %		9.070484	0.278238	34.512404	0.969893	0.010880	0.000863	139.451	15.750909	1.00098533	6.213E-13
13D04039	3.2 %		9.260174	0.157921	37.030461	0.592463	0.011569	0.000492	139.468	15.756312	1.00098545	1.130E-12
13D04040	3.6 %		8.995690	0.090812	39.163675	0.383039	0.011575	0.000305	139.476	15.758905	1.00098551	1.873E-12
13D04041	4.0 %		8.903690	0.075526	40.541337	0.348056	0.011419	0.000253	139.485	15.761716	1.00098558	2.269E-12
13D04043	4.5 %	✓	9.014648	0.055675	41.432640	0.286177	0.011670	0.000194	139.503	15.767121	1.00098570	3.071E-12
13D04044	5.2 %	✓	8.966548	0.039534	41.813524	0.244604	0.011593	0.000142	139.511	15.769717	1.00098576	4.625E-12
13D04045	6.1 %	✓	8.947791	0.028033	41.412266	0.214416	0.011696	0.000105	139.519	15.772313	1.00098582	6.520E-12
13D04047	7.3 %	✓	8.921199	0.016756	40.905210	0.191942	0.011168	0.000072	139.537	15.777722	1.00098594	1.102E-11
13D04048	8.5 %	✓	8.929808	0.013429	39.394121	0.180541	0.010827	0.000063	139.546	15.780536	1.00098600	1.394E-11
13D04049	9.7 %	✓	8.938045	0.013524	37.896540	0.174074	0.010511	0.000060	139.554	15.783134	1.00098606	1.449E-11
13D04051	11.0 %	✓	8.963935	0.014589	36.490312	0.169032	0.010056	0.000062	139.572	15.788547	1.00098618	1.331E-11
13D04052	12.4 %	✓	8.990876	0.018007	35.395216	0.168144	0.009757	0.000072	139.580	15.791146	1.00098624	1.024E-11
13D04053	14.0 %	✓	9.044023	0.022672	33.769158	0.167826	0.009663	0.000085	139.589	15.793962	1.00098631	8.323E-12
13D04055	15.8 %	✓	9.434268	0.019524	31.673637	0.152191	0.010338	0.000081	139.606	15.799379	1.00098643	1.005E-11
13D04056	18.0 %	✓	9.192261	0.021319	31.476846	0.154433	0.009644	0.000081	139.615	15.801980	1.00098649	8.830E-12
13D04057	20.5 %	✓	9.390330	0.032612	30.608528	0.167677	0.009844	0.000112	139.623	15.804581	1.00098655	5.868E-12
13D04059	23.0 %		9.585876	0.045061	29.288144	0.187166	0.009559	0.000144	139.640	15.810002	1.00098667	4.420E-12

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
13D04033	1.6 %	0.0120204 ± 0.0010594	0.0152306 ± 0.0296125	0.0205335 ± 0.0276569	0.0072774 ± 0.0233680	3.2761434 ± 0.2502124
13D04035	2.0 %	0.0127362 ± 0.0010594	0.0318238 ± 0.0296125	0.0063807 ± 0.0276569	0.0022387 ± 0.0233680	3.4233070 ± 0.2502124
13D04036	2.4 %	0.0128558 ± 0.0010594	0.0336159 ± 0.0296125	0.0030521 ± 0.0276569	0.0061727 ± 0.0233680	3.4497933 ± 0.2502124
13D04037	2.8 %	0.0128491 ± 0.0010594	0.0323695 ± 0.0296125	0.0121486 ± 0.0276569	0.0123060 ± 0.0233680	3.4509312 ± 0.2502124
13D04039	3.2 %	0.0125737 ± 0.0010594	0.0241582 ± 0.0296125	0.0301044 ± 0.0276569	0.0289560 ± 0.0233680	3.4007851 ± 0.2502124
13D04040	3.6 %	0.0123579 ± 0.0010594	0.0188829 ± 0.0296125	0.0374012 ± 0.0276569	0.0372781 ± 0.0233680	3.3596561 ± 0.2502124
13D04041	4.0 %	0.0120905 ± 0.0010594	0.0130551 ± 0.0296125	0.0438485 ± 0.0276569	0.0456018 ± 0.0233680	3.3079848 ± 0.2502124
13D04043	4.5 %	0.0115464 ± 0.0010594	0.0034998 ± 0.0296125	0.0510538 ± 0.0276569	0.0575931 ± 0.0233680	3.2009935 ± 0.2502124
13D04044	5.2 %	0.0112981 ± 0.0010594	0.0004024 ± 0.0296125	0.0518415 ± 0.0276569	0.0608247 ± 0.0233680	3.1512550 ± 0.2502124
13D04045	6.1 %	0.0110720 ± 0.0010594	0.0014062 ± 0.0296125	0.0508643 ± 0.0276569	0.0621882 ± 0.0233680	3.1052379 ± 0.2502124
13D04047	7.3 %	0.0107050 ± 0.0010594	0.0005084 ± 0.0296125	0.0435248 ± 0.0276569	0.0589806 ± 0.0233680	3.0275228 ± 0.2502124
13D04048	8.5 %	0.0105819 ± 0.0010594	0.0025045 ± 0.0296125	0.0372890 ± 0.0276569	0.0543724 ± 0.0233680	2.9990993 ± 0.2502124
13D04049	9.7 %	0.0105135 ± 0.0010594	0.0067232 ± 0.0296125	0.0304446 ± 0.0276569	0.0487014 ± 0.0233680	2.9808751 ± 0.2502124
13D04051	11.0 %	0.0105104 ± 0.0010594	0.0190828 ± 0.0296125	0.0144896 ± 0.0276569	0.0343681 ± 0.0233680	2.9674119 ± 0.2502124
13D04052	12.4 %	0.0105711 ± 0.0010594	0.0261187 ± 0.0296125	0.0069867 ± 0.0276569	0.0274288 ± 0.0233680	2.9716587 ± 0.2502124
13D04053	14.0 %	0.0106749 ± 0.0010594	0.0339391 ± 0.0296125	0.0001626 ± 0.0276569	0.0209345 ± 0.0233680	2.9825971 ± 0.2502124
13D04055	15.8 %	0.0109522 ± 0.0010594	0.0472352 ± 0.0296125	0.0080230 ± 0.0276569	0.0152906 ± 0.0233680	3.0152415 ± 0.2502124
13D04056	18.0 %	0.0111006 ± 0.0010594	0.0515077 ± 0.0296125	0.0074369 ± 0.0276569	0.0178663 ± 0.0233680	3.0321274 ± 0.2502124
13D04057	20.5 %	0.0112426 ± 0.0010594	0.0534557 ± 0.0296125	0.0028792 ± 0.0276569	0.0253763 ± 0.0233680	3.0465056 ± 0.2502124
13D04059	23.0 %	0.0114528 ± 0.0010594	0.0464669 ± 0.0296125	0.0235157 ± 0.0276569	0.0624016 ± 0.0233680	3.0554380 ± 0.2502124

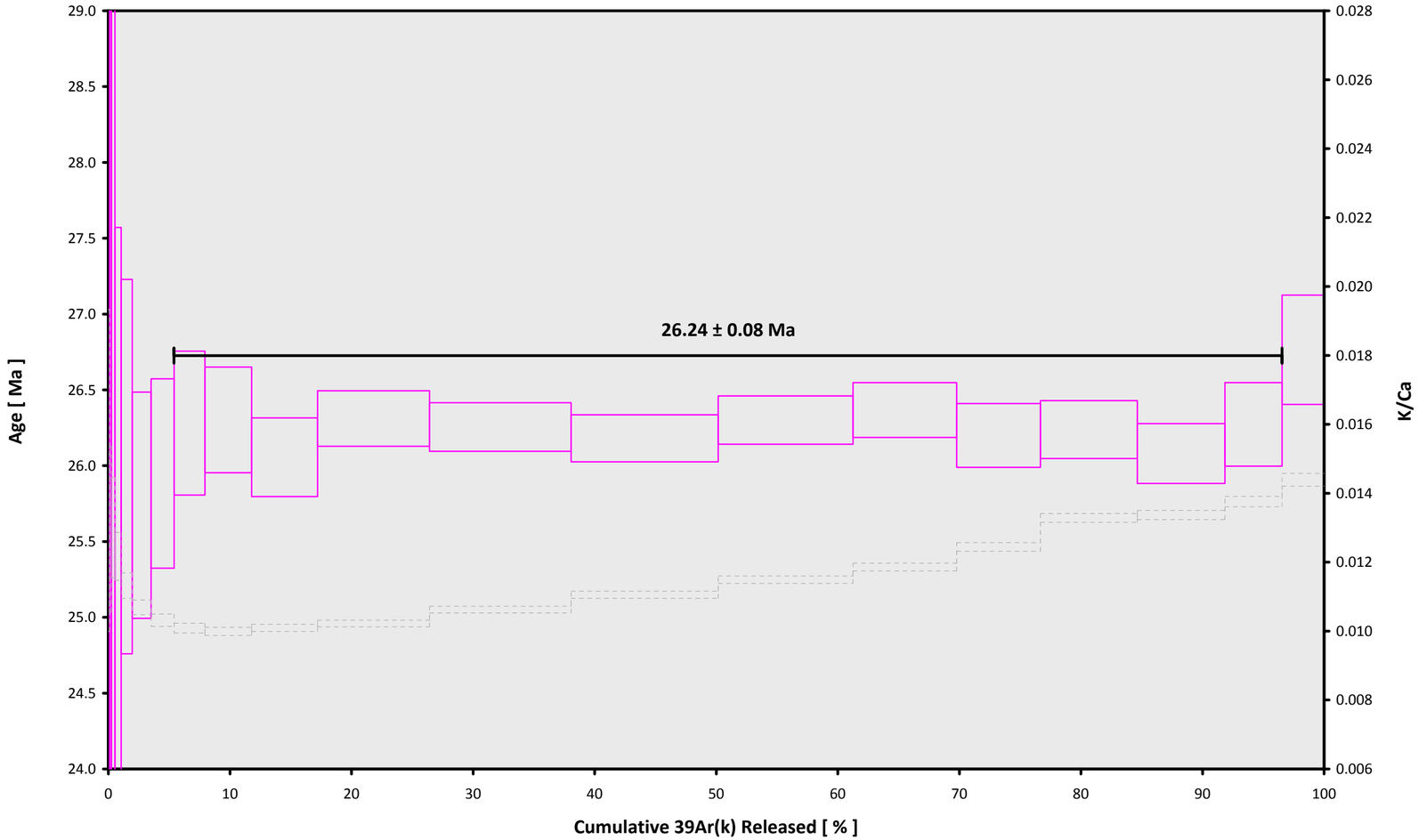
Intercept Values		36Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	37Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	38Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	39Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	40Ar ± 1σ (SE) [fA]	r2	Regression (type,n)
13D04033	1.6 %	0.0187146 ± 0.0003687	0.5652	EXP 150 of 150	0.484542 ± 0.031436	0.0044	EXP 150 of 150	0.0310964 ± 0.0265661	0.0027	EXP 150 of 150	0.2669835 ± 0.0234072	0.0011	EXP 150 of 150	7.006130 ± 0.027262	0.9907	EXP 150 of 150
13D04035	2.0 %	0.0209502 ± 0.0003857	0.4713	EXP 149 of 150	0.943081 ± 0.034062	0.0175	EXP 150 of 150	0.0008418 ± 0.0266118	0.0013	EXP 150 of 150	0.4494316 ± 0.0250766	0.0103	EXP 150 of 150	8.933943 ± 0.027027	0.9891	EXP 150 of 150
13D04036	2.4 %	0.0206547 ± 0.0003507	0.5829	EXP 150 of 150	1.597462 ± 0.030143	0.1001	EXP 150 of 150	0.0177581 ± 0.0258550	0.0248	EXP 149 of 150	0.7760747 ± 0.0282683	0.0286	EXP 150 of 150	10.433321 ± 0.028485	0.9860	EXP 150 of 150
13D04037	2.8 %	0.0279832 ± 0.0004321	0.4236	EXP 150 of 150	3.103018 ± 0.032638	0.2182	EXP 150 of 150	0.0179676 ± 0.0264090	0.0001	EXP 150 of 150	1.4293849 ± 0.0242271	0.1498	EXP 150 of 150	16.423312 ± 0.026963	0.9814	EXP 150 of 150
13D04039	3.2 %	0.0412505 ± 0.0004646	0.1966	EXP 149 of 150	5.893245 ± 0.034547	0.4093	EXP 150 of 150	0.0409213 ± 0.0275551	0.0068	EXP 150 of 150	2.5541774 ± 0.0240451	0.2843	EXP 150 of 150	27.000886 ± 0.031028	0.9270	EXP 150 of 150
13D04040	3.6 %	0.0613065 ± 0.0006189	0.0224	EXP 150 of 150	10.606785 ± 0.030396	0.7989	EXP 150 of 150	0.0169637 ± 0.0290016	0.0029	EXP 150 of 150	4.3453804 ± 0.0238306	0.5566	EXP 149 of 150	42.472174 ± 0.029586	0.0320	EXP 150 of 150
13D04041	4.0 %	0.0711749 ± 0.0006404	0.0013	EXP 150 of 150	13.421063 ± 0.033009	0.8549	EXP 150 of 150	0.0321536 ± 0.0282859	0.0022	EXP 150 of 150	5.3167248 ± 0.0255736	0.6618	EXP 150 of 150	50.674176 ± 0.032247	0.7624	EXP 150 of 150
13D04043	4.5 %	0.0922747 ± 0.0006943	0.0067	EXP 150 of 150	18.316868 ± 0.033367	0.9048	EXP 149 of 150	0.0546929 ± 0.0284552	0.0012	EXP 150 of 150	7.1047096 ± 0.0235820	0.7888	EXP 150 of 150	67.315390 ± 0.036649	0.9558	EXP 150 of 150
13D04044	5.2 %	0.1327425 ± 0.0008974	0.1522	EXP 150 of 150	27.984751 ± 0.032030	0.9617	EXP 150 of 150	0.1375365 ± 0.0300986	0.0037	EXP 150 of 150	10.7330679 ± 0.0290627	0.8559	EXP 150 of 150	99.728842 ± 0.033916	0.9929	EXP 150 of 150
13D04045	6.1 %	0.1841486 ± 0.0009487	0.4335	EXP 150 of 150	39.141738 ± 0.032362	0.9790	EXP 150 of 150	0.2254923 ± 0.0245646	0.0557	EXP 150 of 150	15.1371236 ± 0.0284667	0.9237	EXP 150 of 150	139.239268 ± 0.037348	0.9969	EXP 150 of 150
13D04047	7.3 %	0.2909232 ± 0.0012193	0.5916	EXP 150 of 150	65.538168 ± 0.036295	0.9908	EXP 150 of 150	0.3362654 ± 0.0272618	0.0129	EXP 149 of 150	25.6210879 ± 0.0266229	0.9766	EXP 150 of 150	233.179825 ± 0.041011	0.9990	EXP 150 of 150
13D04048	8.5 %	0.3538466 ± 0.0013924	0.6748	EXP 150 of 150	79.738493 ± 0.033107	0.9946	EXP 150 of 150	0.3795337 ± 0.0298499	0.0057	EXP 150 of 150	32.3525485 ± 0.0246127	0.9874	EXP 150 of 150	294.081262 ± 0.045999	0.9993	EXP 150 of 150
13D04049	9.7 %	0.3565295 ± 0.0013483	0.6583	EXP 150 of 150	79.639813 ± 0.034052	0.9945	EXP 150 of 150	0.4464873 ± 0.0256077	0.0526	EXP 150 of 150	33.5854151 ± 0.0280974	0.9848	EXP 150 of 150	305.503961 ± 0.047295	0.9993	EXP 150 of 150
13D04051	11.0 %	0.3137740 ± 0.0012575	0.6481	EXP 150 of 150	70.236946 ± 0.036586	0.9915	EXP 150 of 150	0.3790123 ± 0.0280911	0.0067	EXP 150 of 150	30.7560789 ± 0.0280735	0.9812	EXP 150 of 150	280.900100 ± 0.049118	0.9991	EXP 150 of 150
13D04052	12.4 %	0.2363005 ± 0.0010934	0.4034	EXP 150 of 150	52.268855 ± 0.034645	0.9867	EXP 150 of 150	0.2912465 ± 0.0274568	0.0151	EXP 149 of 150	23.5957239 ± 0.0260986	0.9729	EXP 150 of 150	216.829774 ± 0.042595	0.9987	EXP 150 of 150
13D04053	14.0 %	0.1912570 ± 0.0010203	0.4493	EXP 150 of 150	40.289751 ± 0.035975	0.9760	EXP 150 of 150	0.2250653 ± 0.0287432	0.0042	EXP 150 of 150	19.0594282 ± 0.0285835	0.9524	EXP 150 of 150	176.758623 ± 0.041452	0.9980	EXP 150 of 150
13D04055	15.8 %	0.2345034 ± 0.0012132	0.4461	EXP 150 of 150	43.723426 ± 0.033744	0.9814	EXP 150 of 150	0.2468113 ± 0.0283699	0.0022	EXP 150 of 150	22.0455657 ± 0.0251536	0.9734	EXP 150 of 150	212.775786 ± 0.040513	0.9988	EXP 150 of 150
13D04056	18.0 %	0.1992354 ± 0.0010053	0.5205	EXP 150 of 150	39.200838 ± 0.034959	0.9753	EXP 150 of 150	0.2271107 ± 0.0250458	0.0078	EXP 150 of 150	19.8915193 ± 0.0260261	0.9637	EXP 150 of 150	187.404449 ± 0.039495	0.9985	EXP 150 of 150
13D04057	20.5 %	0.1361773 ± 0.0008215	0.2755	EXP 150 of 150	24.815802 ± 0.030913	0.9548	EXP 150 of 150	0.2081831 ± 0.0295938	0.0369	EXP 150 of 150	12.9543895 ± 0.0263334	0.9161	EXP 150 of 150	125.576364 ± 0.035282	0.9965	EXP 150 of 150
13D04059	23.0 %	0.1009552 ± 0.0007184	0.0629	EXP 150 of 150	17.521586 ± 0.035523	0.8838	EXP 150 of 150	0.1146396 ± 0.0269498	0.0009	EXP 150 of 150	9.6011895 ± 0.0273536	0.8495	EXP 150 of 150	95.338240 ± 0.032969	0.9932	EXP 150 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
13D04033	1.6 %	Susan Schnur	13-OSU-05			53.00	Walvis Ridge\MV1203 (13-INT-04)	13D04032	01
13D04035	2.0 %	Susan Schnur	13-OSU-05			53.00	Walvis Ridge\MV1203 (13-INT-04)	13D04032	01
13D04036	2.4 %	Susan Schnur	13-OSU-05			53.00	Walvis Ridge\MV1203 (13-INT-04)	13D04032	01
13D04037	2.8 %	Susan Schnur	13-OSU-05			53.00	Walvis Ridge\MV1203 (13-INT-04)	13D04032	01
13D04039	3.2 %	Susan Schnur	13-OSU-05			53.00	Walvis Ridge\MV1203 (13-INT-04)	13D04032	01
13D04040	3.6 %	Susan Schnur	13-OSU-05			53.00	Walvis Ridge\MV1203 (13-INT-04)	13D04032	01
13D04041	4.0 %	Susan Schnur	13-OSU-05			53.00	Walvis Ridge\MV1203 (13-INT-04)	13D04032	01
13D04043	4.5 %	Susan Schnur	13-OSU-05			53.00	Walvis Ridge\MV1203 (13-INT-04)	13D04032	01
13D04044	5.2 %	Susan Schnur	13-OSU-05			53.00	Walvis Ridge\MV1203 (13-INT-04)	13D04032	01
13D04045	6.1 %	Susan Schnur	13-OSU-05			53.00	Walvis Ridge\MV1203 (13-INT-04)	13D04032	01
13D04047	7.3 %	Susan Schnur	13-OSU-05			53.00	Walvis Ridge\MV1203 (13-INT-04)	13D04032	01
13D04048	8.5 %	Susan Schnur	13-OSU-05			53.00	Walvis Ridge\MV1203 (13-INT-04)	13D04032	01
13D04049	9.7 %	Susan Schnur	13-OSU-05			53.00	Walvis Ridge\MV1203 (13-INT-04)	13D04032	01
13D04051	11.0 %	Susan Schnur	13-OSU-05			53.00	Walvis Ridge\MV1203 (13-INT-04)	13D04032	01
13D04052	12.4 %	Susan Schnur	13-OSU-05			53.00	Walvis Ridge\MV1203 (13-INT-04)	13D04032	01
13D04053	14.0 %	Susan Schnur	13-OSU-05			53.00	Walvis Ridge\MV1203 (13-INT-04)	13D04032	01
13D04055	15.8 %	Susan Schnur	13-OSU-05			53.00	Walvis Ridge\MV1203 (13-INT-04)	13D04032	01
13D04056	18.0 %	Susan Schnur	13-OSU-05			53.00	Walvis Ridge\MV1203 (13-INT-04)	13D04032	01
13D04057	20.5 %	Susan Schnur	13-OSU-05			53.00	Walvis Ridge\MV1203 (13-INT-04)	13D04032	01
13D04059	23.0 %	Susan Schnur	13-OSU-05			53.00	Walvis Ridge\MV1203 (13-INT-04)	13D04032	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
13D04033	1.6 %	MV1203-D38-01	Plagioclase	Hector Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	9.74538	0.118	0.00161280	0.118	302.747	0.096	0.9940079	0.063	1	4.8E-14	8	NOV	2013	7	35	1
13D04035	2.0 %	MV1203-D38-01	Plagioclase	Hector Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	9.74538	0.118	0.00161280	0.118	302.747	0.096	0.9940079	0.063	1	4.8E-14	8	NOV	2013	8	0	1
13D04036	2.4 %	MV1203-D38-01	Plagioclase	Hector Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	9.74538	0.118	0.00161280	0.118	302.747	0.096	0.9940079	0.063	1	4.8E-14	8	NOV	2013	8	13	1
13D04037	2.8 %	MV1203-D38-01	Plagioclase	Hector Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	9.74538	0.118	0.00161280	0.118	302.747	0.096	0.9940079	0.063	1	4.8E-14	8	NOV	2013	8	25	1
13D04039	3.2 %	MV1203-D38-01	Plagioclase	Hector Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	9.74538	0.118	0.00161280	0.118	302.747	0.096	0.9940079	0.063	1	4.8E-14	8	NOV	2013	8	50	1
13D04040	3.6 %	MV1203-D38-01	Plagioclase	Hector Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	9.74538	0.118	0.00161280	0.118	302.747	0.096	0.9940079	0.063	1	4.8E-14	8	NOV	2013	9	2	1
13D04041	4.0 %	MV1203-D38-01	Plagioclase	Hector Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	9.74538	0.118	0.00161280	0.118	302.747	0.096	0.9940079	0.063	1	4.8E-14	8	NOV	2013	9	15	1
13D04043	4.5 %	MV1203-D38-01	Plagioclase	Hector Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	9.74538	0.118	0.00161280	0.118	302.747	0.096	0.9940079	0.063	1	4.8E-14	8	NOV	2013	9	40	1
13D04044	5.2 %	MV1203-D38-01	Plagioclase	Hector Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	9.74538	0.118	0.00161280	0.118	302.747	0.096	0.9940079	0.063	1	4.8E-14	8	NOV	2013	9	52	1
13D04045	6.1 %	MV1203-D38-01	Plagioclase	Hector Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	9.74538	0.118	0.00161280	0.118	302.747	0.096	0.9940079	0.063	1	4.8E-14	8	NOV	2013	10	4	1
13D04047	7.3 %	MV1203-D38-01	Plagioclase	Hector Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	9.74538	0.118	0.00161280	0.118	302.747	0.096	0.9940079	0.063	1	4.8E-14	8	NOV	2013	10	29	1
13D04048	8.5 %	MV1203-D38-01	Plagioclase	Hector Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	9.74538	0.118	0.00161280	0.118	302.747	0.096	0.9940079	0.063	1	4.8E-14	8	NOV	2013	10	42	1
13D04049	9.7 %	MV1203-D38-01	Plagioclase	Hector Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	9.74538	0.118	0.00161280	0.118	302.747	0.096	0.9940079	0.063	1	4.8E-14	8	NOV	2013	10	54	1
13D04051	11.0 %	MV1203-D38-01	Plagioclase	Hector Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	9.74538	0.118	0.00161280	0.118	302.747	0.096	0.9940079	0.063	1	4.8E-14	8	NOV	2013	11	19	1
13D04052	12.4 %	MV1203-D38-01	Plagioclase	Hector Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	9.74538	0.118	0.00161280	0.118	302.747	0.096	0.9940079	0.063	1	4.8E-14	8	NOV	2013	11	31	1
13D04053	14.0 %	MV1203-D38-01	Plagioclase	Hector Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	9.74538	0.118	0.00161280	0.118	302.747	0.096	0.9940079	0.063	1	4.8E-14	8	NOV	2013	11	44	1
13D04055	15.8 %	MV1203-D38-01	Plagioclase	Hector Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	9.74538	0.118	0.00161280	0.118	302.747	0.096	0.9940079	0.063	1	4.8E-14	8	NOV	2013	12	9	1
13D04056	18.0 %	MV1203-D38-01	Plagioclase	Hector Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	9.74538	0.118	0.00161280	0.118	302.747	0.096	0.9940079	0.063	1	4.8E-14	8	NOV	2013	12	21	1
13D04057	20.5 %	MV1203-D38-01	Plagioclase	Hector Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	9.74538	0.118	0.00161280	0.118	302.747	0.096	0.9940079	0.063	1	4.8E-14	8	NOV	2013	12	33	1
13D04059	23.0 %	MV1203-D38-01	Plagioclase	Hector Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	9.74538	0.118	0.00161280	0.118	302.747	0.096	0.9940079	0.063	1	4.8E-14	8	NOV	2013	12	58	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
13D04033	1.6 %	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
13D04035	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
13D04036	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
13D04037	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
13D04039	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
13D04040	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
13D04041	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
13D04043	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
13D04044	5.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D04045	6.1 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D04047	7.3 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D04048	8.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D04049	9.7 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D04051	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
13D04052	12.4 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D04053	14.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D04055	15.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D04056	18.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D04057	20.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D04059	23.0 %	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

13D04032.AGE >>> MV1203-D38-01 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
26.24 ± 0.08
TOTAL FUSION
26.24 ± 0.09
NORMAL ISOCHRON
26.35 ± 0.12
INVERSE ISOCHRON
26.27 ± 0.11

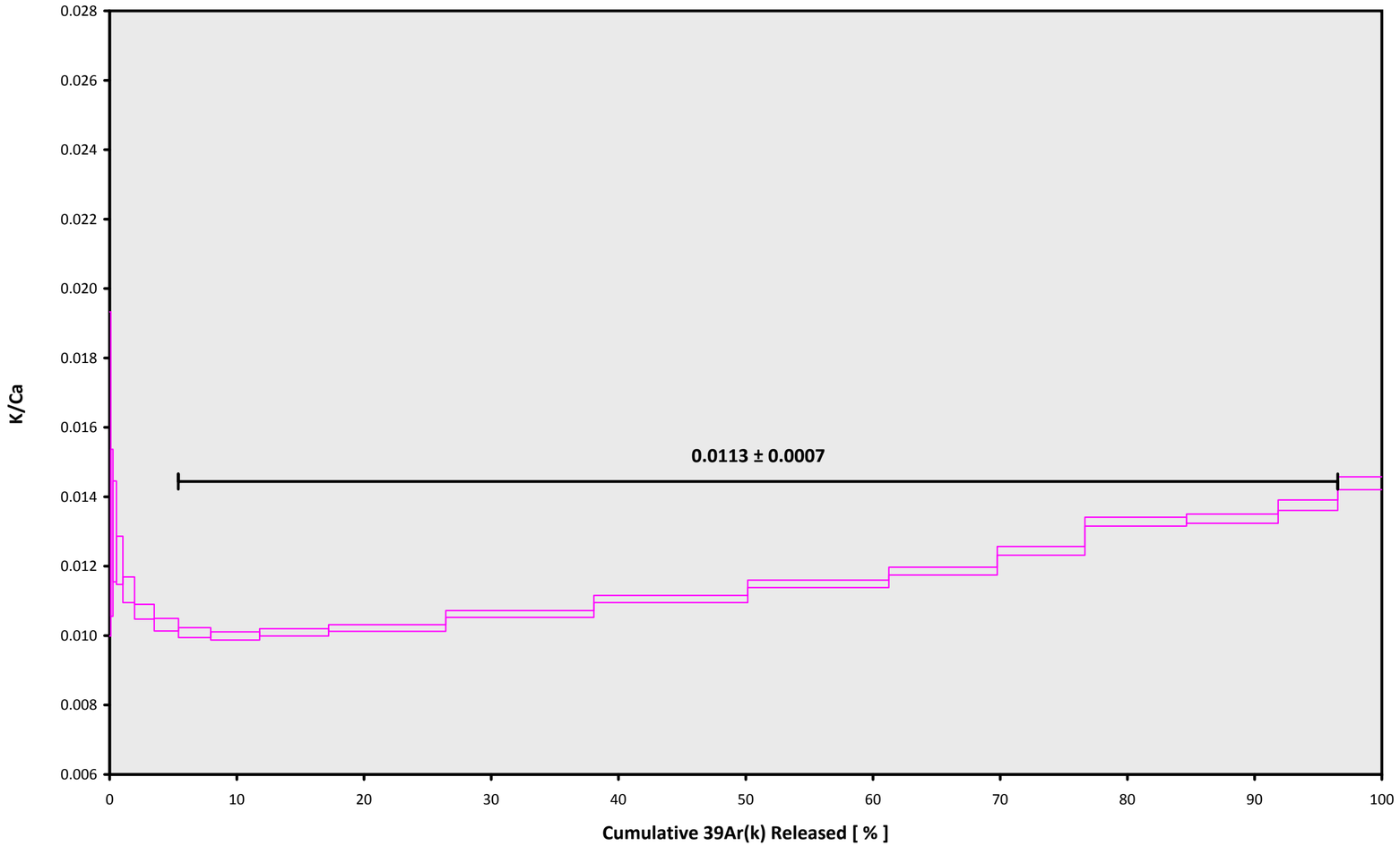
MSWD (PROBABILITY)
0.80 (64%)

Sample Info

Plagioclase
Hector Guyot
Susan Schnur

IRR = 13-OSU-05
J = 0.00161280 ± 0.00000190

13D04032.AGE >>> MV1203-D38-01 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

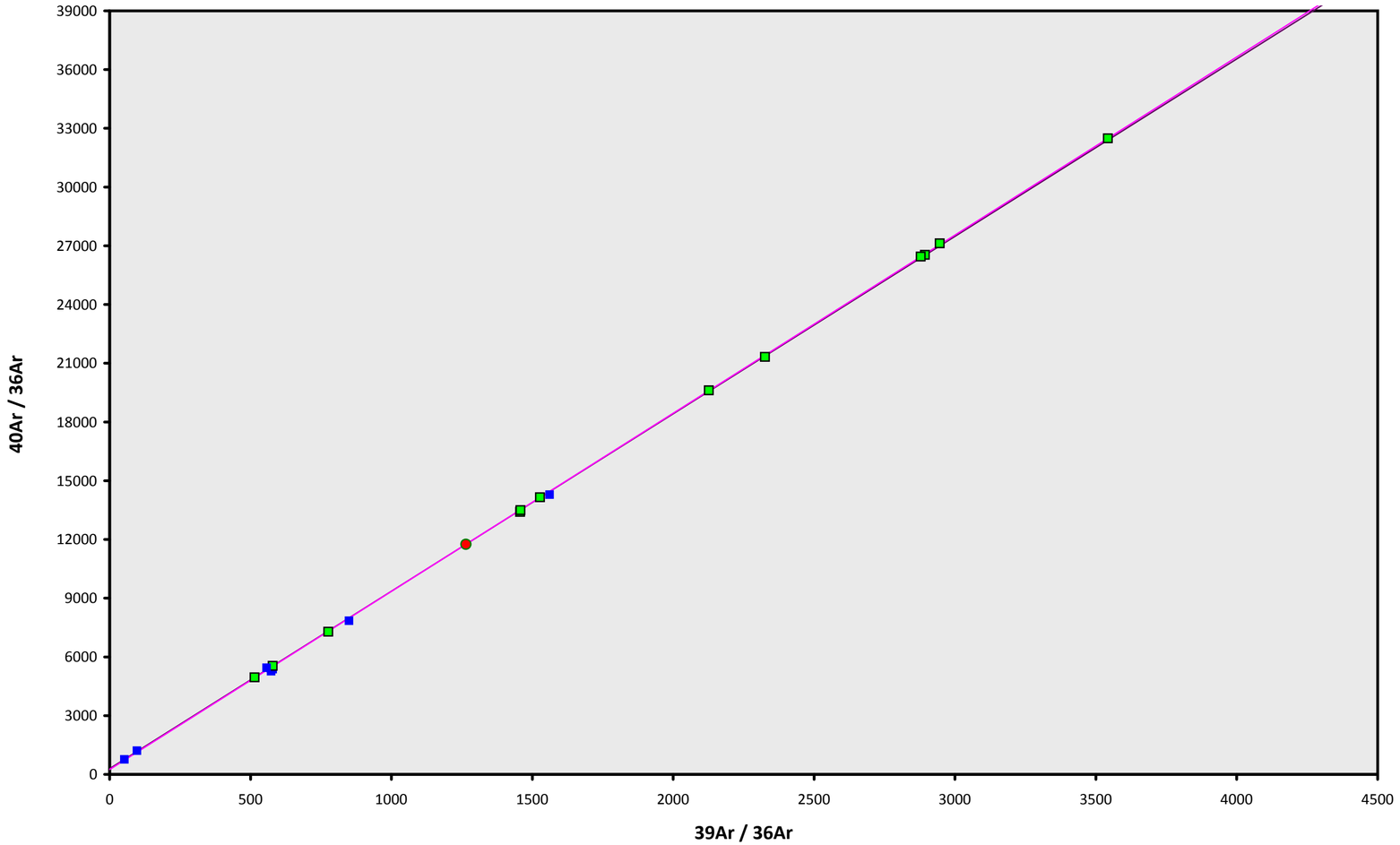
WEIGHTED PLATEAU
26.24 ± 0.08
TOTAL FUSION
26.24 ± 0.09
NORMAL ISOCHRON
26.35 ± 0.12
INVERSE ISOCHRON
26.27 ± 0.11

Sample Info

Plagioclase
Hector Guyot
Susan Schnur

IRR = 13-OSU-05
J = 0.00161280 ± 0.00000190

13D04032.AGE >>> MV1203-D38-01 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
26.24 ± 0.08
TOTAL FUSION
26.24 ± 0.09
NORMAL ISOCHRON
26.35 ± 0.12
INVERSE ISOCHRON
26.27 ± 0.11

MSWD (PROBABILITY)
1.48 (14%)

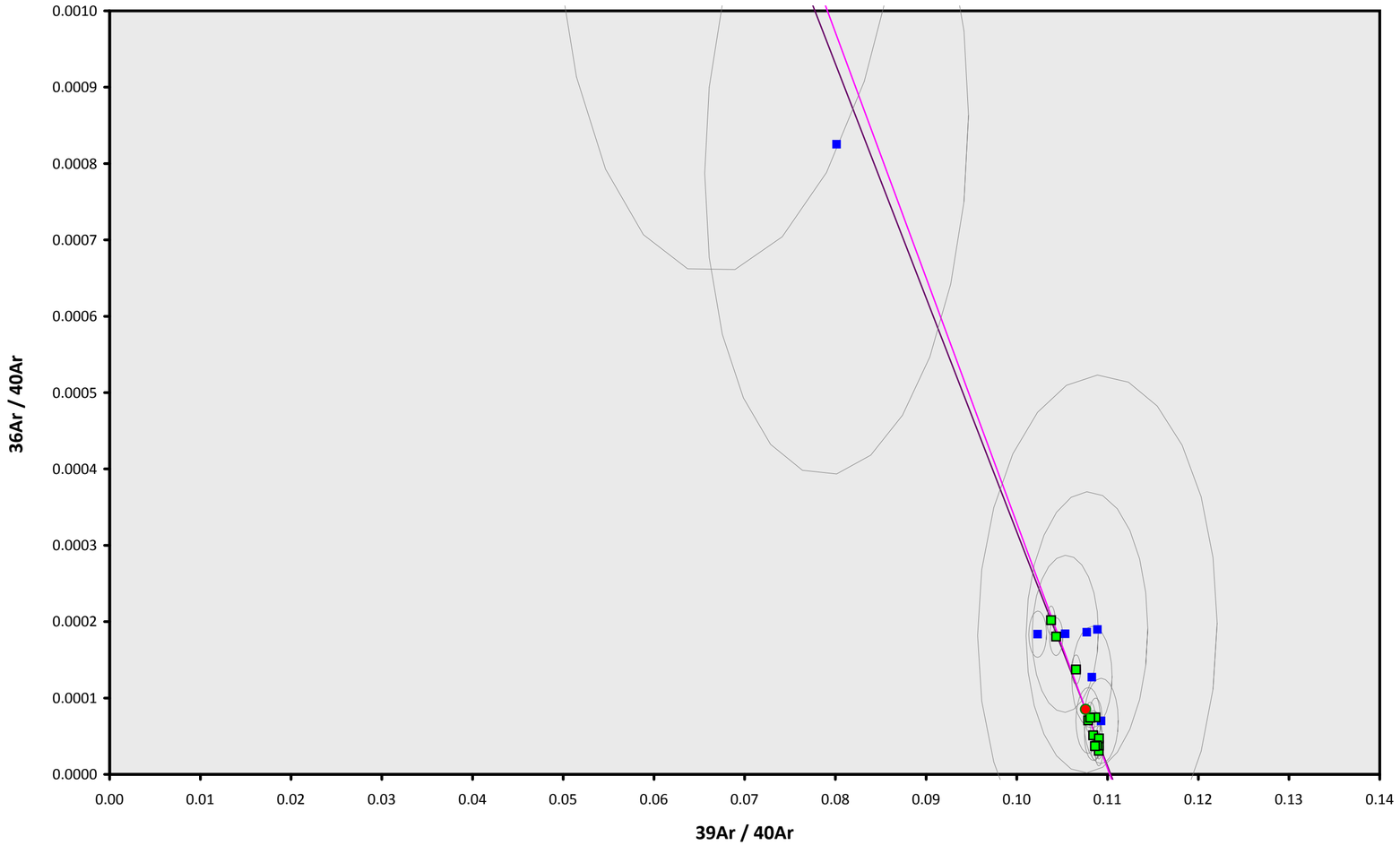
40AR/36AR INTERCEPT
248.5 ± 41.8

Sample Info

Plagioclase
Hector Guyot
Susan Schnur

IRR = 13-OSU-05
J = 0.00161280 ± 0.00000190

13D04032.AGE >>> MV1203-D38-01 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
26.24 ± 0.08
TOTAL FUSION
26.24 ± 0.09
NORMAL ISOCHRON
26.35 ± 0.12
INVERSE ISOCHRON
26.27 ± 0.11

MSWD (PROBABILITY)
0.83 (60%)

SPREADING FACTOR
4.8%

40AR/36AR INTERCEPT
282.2 ± 36.2

Sample Info

Plagioclase
Hector Guyot
Susan Schnur

IRR = 13-OSU-05
J = 0.00161280 ± 0.00000190