

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
13D04221	1.6 %	0.0055075	10.403	2.7703	29.462	0.121913	32.851	1.9760	1.808	20.188	0.592	9.51178 ± 0.40855	28.12 ± 1.20	93.01	0.06	0.306 ± 0.181
13D04223	2.0 %	0.0092451	6.626	9.7096	8.173	0.198026	20.234	6.8105	0.548	61.287	0.196	8.71573 ± 0.11646	25.79 ± 0.34	96.76	0.19	0.301 ± 0.049
13D04224	2.4 %	0.0114648	4.996	22.9894	3.492	0.245082	16.371	16.6383	0.225	142.550	0.086	8.47692 ± 0.04641	25.09 ± 0.14	98.85	0.47	0.311 ± 0.022
13D04225	2.8 %	0.0085291	6.924	20.7559	3.986	0.149610	27.259	15.4111	0.235	130.422	0.094	8.40913 ± 0.04902	24.89 ± 0.14	99.27	0.44	0.319 ± 0.025
13D04227	3.2 %	0.0246762	2.608	59.5656	1.396	0.492460	8.415	41.5164	0.106	353.050	0.036	8.44550 ± 0.02130	24.99 ± 0.06	99.22	1.17	0.299 ± 0.008
13D04228	3.6 %	0.0227275	2.945	61.1554	1.438	0.530133	8.175	43.2252	0.108	365.834	0.035	8.42364 ± 0.02149	24.93 ± 0.06	99.43	1.22	0.304 ± 0.009
13D04229	4.0 %	0.0377247	2.001	104.8210	0.864	0.867903	4.716	73.9827	0.086	626.347	0.021	8.43120 ± 0.01622	24.95 ± 0.05	99.49	2.09	0.303 ± 0.005
13D04231	4.5 %	0.0611340	1.358	190.8455	0.603	1.579639	2.503	131.9217	0.070	1115.588	0.013	8.43777 ± 0.01270	24.97 ± 0.04	99.68	3.73	0.297 ± 0.004
13D04232	5.2 %	0.0846470	1.074	281.0663	0.539	2.295708	1.704	196.6925	0.067	1661.144	0.009	8.43499 ± 0.01185	24.96 ± 0.03	99.78	5.57	0.301 ± 0.003
13D04233	6.1 %	0.1248676	0.934	425.7820	0.483	3.677343	1.082	307.1922	0.065	2593.113	0.007	8.43437 ± 0.01127	24.96 ± 0.03	99.82	8.69	0.310 ± 0.003
13D04235	7.3 %	✓ 0.1928856	0.694	638.0202	0.463	5.922861	0.708	489.8381	0.064	4146.672	0.005	8.45515 ± 0.01100	25.02 ± 0.03	99.79	13.86	0.330 ± 0.003
13D04236	8.5 %	✓ 0.2014502	0.656	725.1300	0.457	7.176655	0.579	591.5644	0.063	5004.415	0.005	8.45865 ± 0.01088	25.03 ± 0.03	99.91	16.74	0.351 ± 0.003
13D04237	9.7 %	✓ 0.1798304	0.717	628.8193	0.463	6.844547	0.580	564.3779	0.064	4780.625	0.005	8.46669 ± 0.01093	25.06 ± 0.03	99.88	15.97	0.386 ± 0.004
13D04239	11.0 %	✓ 0.1499713	0.792	316.4999	0.512	4.358131	0.985	362.3054	0.064	3086.192	0.006	8.46581 ± 0.01112	25.05 ± 0.03	99.33	10.26	0.492 ± 0.005
13D04240	12.4 %	✓ 0.0698750	1.322	229.3443	0.564	3.027400	1.307	248.5535	0.065	2108.216	0.007	8.47295 ± 0.01142	25.07 ± 0.03	99.83	7.04	0.466 ± 0.005
13D04241	14.0 %	0.0540340	1.628	171.8684	0.645	1.973306	2.013	160.5550	0.070	1364.737	0.011	8.48724 ± 0.01245	25.12 ± 0.04	99.78	4.54	0.401 ± 0.005
13D04243	15.8 %	0.0337878	2.341	122.6210	0.813	1.231839	3.165	105.2240	0.075	895.138	0.016	8.50667 ± 0.01384	25.17 ± 0.04	99.92	2.98	0.369 ± 0.006
13D04244	18.0 %	0.0242001	2.655	81.8943	1.087	0.964572	4.065	77.1369	0.082	655.089	0.020	8.48568 ± 0.01531	25.11 ± 0.04	99.85	2.18	0.405 ± 0.009
13D04245	20.5 %	0.0194045	3.419	69.6785	1.222	0.718197	5.331	58.0370	0.094	495.080	0.026	8.52922 ± 0.01812	25.24 ± 0.05	99.90	1.64	0.358 ± 0.009
13D04247	23.0 %	0.0162251	3.843	53.2574	1.564	0.461053	8.898	40.7003	0.117	347.873	0.036	8.53608 ± 0.02300	25.26 ± 0.07	99.78	1.15	0.328 ± 0.010
Σ		1.3321876	0.298	4216.5942	0.167	42.836378	0.422	3533.6592	0.021	29953.562	0.002					

Information on Analysis and Constants Used in Calculations

Project = **MV1203 (13-INT-04)**
Sample = **MV1203-D40-02**
Material = **Plagioclase**
Location = **Dusky Guyot**
Region = **Walvis Ridge**
Analyst = **Susan Schnur**
Irradiation = **13-OSU-05**
Position = X: | Y: | Z/H: **45.95 mm**
FCT-NM Age = **28.201 ± 0.023 Ma**
FCT-NM Reference = **Kuiper et al (2008)**
FCT-NM 40Ar/39Ar Ratio = **9.53809 ± 0.01154**
FCT-NM J-value = **0.00164786 ± 0.00000199**
Air Shot 40Ar/36Ar = **302.7550 ± 0.2846**
Air Shot MDF = **0.99400144 ± 0.00062293 (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 = **IESS10011**
Rock Class = **Igneous>Volcanic>Mafic**
Lithology = **Trachyandesite**
Lat-Lon = **37°55.1'S - 6°53.2'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		8.46369 ± 0.00623 ± 0.07%	25.05 ± 0.06 ± 0.25% Full External Error ± 0.57 Analytical Error ± 0.02	1.59 17% 2.41 1.2594	63.86 5 2σ Confidence Limit Error Magnification	0.379 ± 0.056
Total Fusion Age		8.46215 ± 0.00367 ± 0.04%	25.04 ± 0.06 ± 0.24% Full External Error ± 0.57 Analytical Error ± 0.01		20 0.360 ± 0.001	
Normal Isochron	336.89 ± 119.10 ± 35.35%	8.45926 ± 0.01036 ± 0.12%	25.03 ± 0.07 ± 0.27% Full External Error ± 0.57 Analytical Error ± 0.03	2.17 9% 2.63 1.4729 0.0000000565	63.86 5 2σ Confidence Limit Error Magnification Number of Iterations Convergence	
Inverse Isochron	311.16 ± 110.31 ± 35.45%	8.46277 ± 0.00989 ± 0.12%	25.04 ± 0.07 ± 0.27% Full External Error ± 0.57 Analytical Error ± 0.03	2.06 10% 2.63 1.4368 0.0000074435	63.86 5 2σ Confidence Limit Error Magnification Number of Iterations Convergence	
Clustered Points				3	Number of Iterations	
Notes				1%	Spreading Factor	
						Low T steps a little odd, not great but acceptable. Weak excess argon signature.

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
13D04221	1.6 %	0.0047475	2.7703	0.0970764	1.9741	18.777	28.12 ± 1.20	93.01	0.06	0.306 ± 0.181
13D04223	2.0 %	0.0066331	9.7096	0.1142311	6.8039	59.301	25.79 ± 0.34	96.76	0.19	0.301 ± 0.049
13D04224	2.4 %	0.0053330	22.9894	0.0424459	16.6228	140.910	25.09 ± 0.14	98.85	0.47	0.311 ± 0.022
13D04225	2.8 %	0.0030018	20.7559	0.0000000	15.3971	129.476	24.89 ± 0.14	99.27	0.44	0.319 ± 0.025
13D04227	3.2 %	0.0088139	59.5656	0.0000000	41.4762	350.287	24.99 ± 0.06	99.22	1.17	0.299 ± 0.008
13D04228	3.6 %	0.0064407	61.1554	0.0049925	43.1839	363.766	24.93 ± 0.06	99.43	1.22	0.304 ± 0.009
13D04229	4.0 %	0.0098109	104.8210	0.0000000	73.9118	623.165	24.95 ± 0.05	99.49	2.09	0.303 ± 0.005
13D04231	4.5 %	0.0103118	190.8455	0.0000000	131.7928	1112.037	24.97 ± 0.04	99.68	3.73	0.297 ± 0.004
13D04232	5.2 %	0.0097991	281.0663	0.0000000	196.5026	1657.497	24.96 ± 0.03	99.78	5.57	0.301 ± 0.003
13D04233	6.1 %	0.0114818	425.7820	0.0000000	306.9045	2588.546	24.96 ± 0.03	99.82	8.69	0.310 ± 0.003
13D04235	7.3 %	✓ 0.0229809	638.0202	0.0000000	489.4071	4138.010	25.02 ± 0.03	99.79	13.86	0.330 ± 0.003
13D04236	8.5 %	✓ 0.0083453	725.1300	0.0118139	591.0745	4999.689	25.03 ± 0.03	99.91	16.74	0.351 ± 0.003
13D04237	9.7 %	✓ 0.0123730	628.8193	0.0121665	563.9530	4774.813	25.06 ± 0.03	99.88	15.97	0.386 ± 0.004
13D04239	11.0 %	✓ 0.0656874	316.4999	0.0000000	362.0915	3065.397	25.05 ± 0.03	99.33	10.26	0.492 ± 0.005
13D04240	12.4 %	✓ 0.0087959	229.3443	0.0208056	248.3986	2104.668	25.07 ± 0.03	99.83	7.04	0.466 ± 0.005
13D04241	14.0 %	0.0082588	171.8684	0.0291817	160.4389	1361.684	25.12 ± 0.04	99.78	4.54	0.401 ± 0.005
13D04243	15.8 %	0.0011338	122.6210	0.0000000	105.1411	894.401	25.17 ± 0.04	99.92	2.98	0.369 ± 0.006
13D04244	18.0 %	0.0023846	81.8943	0.0308774	77.0816	654.090	25.11 ± 0.04	99.85	2.18	0.405 ± 0.009
13D04245	20.5 %	0.0008455	69.6785	0.0153592	57.9899	494.609	25.24 ± 0.05	99.90	1.64	0.358 ± 0.009
13D04247	23.0 %	0.0020426	53.2574	0.0000000	40.6643	347.114	25.26 ± 0.07	99.78	1.15	0.328 ± 0.010
Σ		0.2092214	4216.5942	0.3789503	3530.8105	29878.239				

Information on Analysis

Project = MV1203 (13-INT-04)
 Sample = MV1203-D40-02
 Material = Plagioclase
 Location = Dusky Guyot
 Region = Walvis Ridge
 Analyst = Susan Schnur
 Irradiation = 13-OSU-05
 J = 0.00164786 ± 0.00000199
 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	8.46369 ± 0.00623 ± 0.07%	25.05 ± 0.06 ± 0.25%	1.59 17%	63.86 5	0.379 ± 0.056
		Full External Error ± 0.57 Analytical Error ± 0.02	2.41 1.2594	2σ Confidence Limit Error Magnification	
Total Fusion Age	8.46215 ± 0.00367 ± 0.04%	25.04 ± 0.06 ± 0.24%		20	0.360 ± 0.001
		Full External Error ± 0.57 Analytical Error ± 0.01			

Normal Isochron		39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
13D04221	1.6 %	415.82 ± 108.41	4250.73 ± 1098.64	0.9893
13D04223	2.0 %	1025.75 ± 200.77	9235.65 ± 1805.17	0.9982
13D04224	2.4 %	3116.96 ± 714.94	26717.73 ± 6127.24	0.9998
13D04225	2.8 %	5129.25 ± 2154.48	43428.05 ± 18240.43	0.9999
13D04227	3.2 %	4705.78 ± 727.15	40038.13 ± 6186.28	0.9999
13D04228	3.6 %	6704.89 ± 1477.72	56775.08 ± 12512.39	0.9999
13D04229	4.0 %	7533.65 ± 1219.02	63813.21 ± 10325.08	0.9999
13D04231	4.5 %	12780.71 ± 2201.78	108136.25 ± 18628.47	1.0000
13D04232	5.2 %	20053.17 ± 4095.94	169443.76 ± 34608.83	1.0000
13D04233	6.1 %	26729.58 ± 6051.95	225742.66 ± 51110.46	1.0000
13D04235	7.3 % ✓	21296.29 ± 2916.92	180358.86 ± 24702.38	1.0000
13D04236	8.5 % ✓	70827.05 ± 27414.34	599396.41 ± 232001.32	1.0000
13D04237	9.7 % ✓	45579.39 ± 11238.41	386201.84 ± 95223.70	1.0000
13D04239	11.0 % ✓	5512.34 ± 213.33	46961.94 ± 1816.48	0.9994
13D04240	12.4 % ✓	28240.37 ± 6360.52	239574.62 ± 53958.02	1.0000
13D04241	14.0 %	19426.50 ± 4377.01	165172.89 ± 37214.64	1.0000
13D04243	15.8 %	92730.60 ± 136721.56	789124.35 ± 1163480.59	1.0000
13D04244	18.0 %	32325.40 ± 18588.96	274598.55 ± 157909.33	1.0000
13D04245	20.5 %	68584.10 ± 113840.25	585264.16 ± 971458.05	1.0000
13D04247	23.0 %	19907.73 ± 12906.89	170229.38 ± 110365.14	1.0000

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	336.89 ± 119.10 ± 35.35%	8.45926 ± 0.01036 ± 0.12%	25.03 ± 0.07 ± 0.27%	2.17 9%
			Full External Error ± 0.57 Analytical Error ± 0.03	
Statistics	2σ Confidence Limit Error Magnification Number of Data Points	2.63 1.4729 5	Convergence Number of Iterations Calculated Line	0.000000056484 1 Weighted York-2

Inverse Isochron		39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
13D04221	1.6 %	0.0978242 ± 0.0037264	0.00023525 ± 0.00006080	0.0143
13D04223	2.0 %	0.1110641 ± 0.0012942	0.00010828 ± 0.00002116	0.0068
13D04224	2.4 %	0.1166627 ± 0.0005635	0.00003743 ± 0.00000858	0.0027
13D04225	2.8 %	0.1181092 ± 0.0005982	0.00002303 ± 0.00000967	0.0017
13D04227	3.2 %	0.1175324 ± 0.0002636	0.00002498 ± 0.00000386	0.0015
13D04228	3.6 %	0.1180956 ± 0.0002687	0.00001761 ± 0.00000388	0.0010
13D04229	4.0 %	0.1180579 ± 0.0002089	0.00001567 ± 0.00000254	0.0006
13D04231	4.5 %	0.1181908 ± 0.0001689	0.00000925 ± 0.00000159	0.0003
13D04232	5.2 %	0.1183471 ± 0.0001608	0.00000590 ± 0.00000121	0.0001
13D04233	6.1 %	0.1184073 ± 0.0001543	0.00000443 ± 0.00000100	0.0001
13D04235	7.3 % ✓	0.1180773 ± 0.0001513	0.00000554 ± 0.00000076	0.0001
13D04236	8.5 % ✓	0.1181640 ± 0.0001502	0.00000167 ± 0.00000065	0.0000
13D04237	9.7 % ✓	0.1180196 ± 0.0001507	0.00000259 ± 0.00000064	0.0000
13D04239	11.0 % ✓	0.1173790 ± 0.0001514	0.00002129 ± 0.00000082	0.0003
13D04240	12.4 % ✓	0.1178771 ± 0.0001555	0.00000417 ± 0.00000094	0.0001
13D04241	14.0 %	0.1176131 ± 0.0001658	0.00000605 ± 0.00000136	0.0002
13D04243	15.8 %	0.1175108 ± 0.0001798	0.00000127 ± 0.00000187	0.0000
13D04244	18.0 %	0.1177188 ± 0.0001995	0.00000364 ± 0.00000209	0.0002
13D04245	20.5 %	0.1171849 ± 0.0002288	0.00000171 ± 0.00000284	0.0001
13D04247	23.0 %	0.1169465 ± 0.0002862	0.00000587 ± 0.00000381	0.0003

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	311.16 ± 110.31	8.46277 ± 0.00989	25.04 ± 0.07	2.06
Clustered Points	± 35.45%	± 0.12%	± 0.27%	10%
			Full External Error ± 0.57	
			Analytical Error ± 0.03	
Statistics	2σ Confidence Limit	2.63	Convergence	0.0000074435
	Error Magnification	1.4368	Number of Iterations	3
	Number of Data Points	5	Calculated Line	Weighted York-2
	Spreading Factor	0.7%		

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
13D04221	1.6 %	0.0047475	12.91	0.0000000	0.00	0.0007377	29.46	0.0000223	41.27	2.7703	29.46	0.0008873	12.91	0.0000000	0.00	0.023751	1.82	0.0001989	32.13	0.0970764	41.28	1.9741	1.81	0.0018716	29.49	18.777	1.16	1.402879	12.91	0.0000000	0.00	0.007547	3.22
13D04223	2.0 %	0.0066331	9.77	0.0000000	0.00	0.0025857	8.17	0.0000263	35.09	9.7096	8.17	0.0012397	9.77	0.0000000	0.00	0.081858	0.57	0.0006971	15.20	0.1142311	35.10	6.8039	0.55	0.0065598	8.28	59.301	0.38	1.960091	9.77	0.0000000	0.00	0.026011	2.72
13D04224	2.4 %	0.0053330	11.47	0.0000000	0.00	0.0061221	3.50	0.0000098	94.55	22.9894	3.49	0.0009967	11.47	0.0000000	0.00	0.199989	0.28	0.0016506	13.29	0.0424459	94.55	16.6228	0.23	0.0155316	3.73	140.910	0.16	1.575905	11.47	0.0000000	0.00	0.063549	2.67
13D04225	2.8 %	0.0030018	21.00	0.0000000	0.00	0.0055273	3.99	0.0000000	0.00	20.7559	3.99	0.0005610	21.00	0.0000000	0.00	0.185242	0.28	0.0014903	13.43	0.0000000	0.00	15.3971	0.24	0.0140227	4.20	129.476	0.17	0.887038	21.00	0.0000000	0.00	0.058863	2.67
13D04227	3.2 %	0.0088139	7.73	0.0000000	0.00	0.0158623	1.40	0.0000000	0.00	59.5656	1.40	0.0016473	7.73	0.0000000	0.00	0.499000	0.19	0.0042768	12.90	0.0000000	0.00	41.4762	0.11	0.0402425	1.92	350.287	0.07	2.604505	7.73	0.0000000	0.00	0.158564	2.66
13D04228	3.6 %	0.0064407	11.02	0.0000000	0.00	0.0162857	1.45	0.0000011	868.39	61.1554	1.44	0.0012038	11.02	0.0000000	0.00	0.519546	0.19	0.0043910	12.90	0.0049925	868.39	43.1839	0.11	0.0413166	1.95	363.766	0.07	1.903216	11.02	0.0000000	0.00	0.165092	2.66
13D04229	4.0 %	0.0098109	8.09	0.0000000	0.00	0.0279138	0.88	0.0000000	0.00	104.8210	0.86	0.0018337	8.09	0.0000000	0.00	0.889233	0.18	0.0075261	12.85	0.0000000	0.00	73.9118	0.09	0.0708170	1.58	623.165	0.04	2.899119	8.09	0.0000000	0.00	0.282565	2.66
13D04231	4.5 %	0.0103118	8.61	0.0000000	0.00	0.0508222	0.62	0.0000000	0.00	190.8455	0.60	0.0019273	8.61	0.0000000	0.00	1.585599	0.17	0.0137027	12.83	0.0000000	0.00	131.7928	0.07	0.1289352	1.45	1112.037	0.03	3.047151	8.61	0.0000000	0.00	0.503844	2.66
13D04232	5.2 %	0.0097991	10.21	0.0000000	0.00	0.0748480	0.56	0.0000000	0.00	281.0663	0.54	0.0018314	10.21	0.0000000	0.00	2.364123	0.17	0.0201806	12.83	0.0000000	0.00	196.5026	0.07	0.1898884	1.43	1657.497	0.02	2.895628	10.21	0.0000000	0.00	0.751230	2.66
13D04233	6.1 %	0.0114818	11.32	0.0000000	0.00	0.1133858	0.51	0.0000000	0.00	425.7820	0.48	0.0021460	11.32	0.0000000	0.00	3.692368	0.17	0.0305711	12.83	0.0000000	0.00	306.9045	0.06	0.2876583	1.41	2588.546	0.02	3.392881	11.32	0.0000000	0.00	1.173296	2.66
13D04235	7.3 %	✓ 0.0229809	6.85	0.0000000	0.00	0.1699048	0.49	0.0000000	0.00	638.0202	0.46	0.0042951	6.85	0.0000000	0.00	5.888057	0.17	0.0458098	12.83	0.0000000	0.00	489.4071	0.06	0.4310464	1.40	4138.010	0.01	6.790844	6.85	0.0000000	0.00	1.871003	2.66
13D04236	8.5 %	✓ 0.0083453	19.35	0.0000000	0.00	0.1931021	0.48	0.0000027	371.21	725.1300	0.46	0.0015597	19.35	0.0000000	0.00	7.111217	0.17	0.0520643	12.83	0.0118139	371.21	591.0745	0.06	0.4898979	1.40	4999.689	0.01	2.466042	19.35	0.0000000	0.00	2.259678	2.66
13D04237	9.7 %	✓ 0.0123730	12.33	0.0000000	0.00	0.1674546	0.49	0.0000028	343.21	628.8193	0.46	0.0023125	12.33	0.0000000	0.00	6.784919	0.17	0.0451492	12.83	0.0121665	343.21	563.9530	0.06	0.4248303	1.40	4774.813	0.01	3.656217	12.33	0.0000000	0.00	2.155992	2.66
13D04239	11.0 %	✓ 0.0656874	1.93	0.0000000	0.00	0.0842839	0.53	0.0000000	0.00	316.4999	0.51	0.0122770	1.93	0.0000000	0.00	4.356323	0.17	0.0227247	12.83	0.0000000	0.00	362.0915	0.06	0.2138274	1.42	3065.397	0.01	19.410625	1.93	0.0000000	0.00	1.384276	2.66
13D04240	12.4 %	✓ 0.0087959	11.26	0.0000000	0.00	0.0610744	0.58	0.0000048	192.08	229.3443	0.56	0.0016439	11.26	0.0000000	0.00	2.988483	0.17	0.0164669	12.83	0.0208056	192.08	248.3986	0.07	0.1549450	1.44	2104.668	0.02	2.599179	11.26	0.0000000	0.00	0.949628	2.66
13D04241	14.0 %	0.0082588	11.27	0.0000000	0.00	0.0457685	0.66	0.0000067	136.73	171.8684	0.65	0.0015436	11.27	0.0000000	0.00	1.930240	0.17	0.0123401	12.84	0.0291817	136.74	160.4389	0.07	0.1161143	1.47	1361.684	0.02	2.440465	11.27	0.0000000	0.00	0.613358	2.66
13D04243	15.8 %	0.0011338	73.72	0.0000000	0.00	0.0326540	0.83	0.0000000	0.00	122.6210	0.81	0.0002119	73.72	0.0000000	0.00	1.264953	0.18	0.0088042	12.85	0.0000000	0.00	105.1411	0.07	0.0828427	1.55	894.401	0.03	0.335048	73.72	0.0000000	0.00	0.401955	2.66
13D04244	18.0 %	0.0023846	28.75	0.0000000	0.00	0.0218084	1.10	0.0000071	127.15	81.8943	1.09	0.0004457	28.75	0.0000000	0.00	0.927369	0.18	0.0058800	12.87	0.0308774	127.15	77.0816	0.08	0.0553278	1.71	654.090	0.04	0.704635	28.75	0.0000000	0.00	0.294683	2.66
13D04245	20.5 %	0.0008455	82.99	0.0000000	0.00	0.0185554	1.23	0.0000035	249.45	69.6785	1.22	0.0001580	82.99	0.0000000	0.00	0.697677	0.19	0.0050029	12.88	0.0153592	249.45	57.9899	0.09	0.0470748	1.80	494.609	0.05	0.249854	82.99	0.0000000	0.00	0.221696	2.66
13D04247	23.0 %	0.0020426	32.42	0.0000000	0.00	0.0141824	1.57	0.0000000	0.00	53.2574	1.56	0.0003818	32.42	0.0000000	0.00	0.489232	0.20	0.0038239	12.92	0.0000000	0.00	40.6643	0.12	0.0359807	2.05	347.114	0.07	0.603600	32.42	0.0000000	0.00	0.155460	2.66
Σ		0.2092214	2.12	0.0000000	0.00	1.1228790	0.17	0.0000872	33.98	4216.5942	0.17	0.0391035	2.12	0.0000000	0.00	42.479181	0.06	0.3027515	4.15	0.3789503	33.97	3530.8105	0.02	2.8487310	0.46	29878.239	0.00	61.824921	2.12	0.0000000	0.00	13.498288	0.86
Σ								1.3321876	0.36	4216.5942	0.17									43.199986	0.30			3533.6592	0.02							29953.562	0.01

Additional Parameters		40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
13D04221	1.6 %	10.216558	0.194393	1.402000	0.413837	0.002787	0.000294	141.672	16.457215	1.00100102	9.690E-13
13D04223	2.0 %	8.998956	0.052379	1.425683	0.116778	0.001357	0.000090	141.689	16.462860	1.00100114	2.942E-12
13D04224	2.4 %	8.567538	0.020672	1.381711	0.048351	0.000689	0.000034	141.697	16.465570	1.00100120	6.842E-12
13D04225	2.8 %	8.462858	0.021411	1.346814	0.053775	0.000553	0.000038	141.706	16.468280	1.00100126	6.260E-12
13D04227	3.2 %	8.503864	0.009527	1.434746	0.020083	0.000594	0.000016	141.723	16.473928	1.00100138	1.695E-11
13D04228	3.6 %	8.463439	0.009617	1.414807	0.020407	0.000526	0.000015	141.732	16.476866	1.00100144	1.756E-11
13D04229	4.0 %	8.466134	0.007482	1.416832	0.012307	0.000510	0.000010	141.740	16.479579	1.00100150	3.006E-11
13D04231	4.5 %	8.456443	0.006034	1.446657	0.008787	0.000463	0.000006	141.758	16.485231	1.00100163	5.355E-11
13D04232	5.2 %	8.445385	0.005729	1.428963	0.007762	0.000430	0.000005	141.766	16.487944	1.00100168	7.973E-11
13D04233	6.1 %	8.441337	0.005492	1.386045	0.006751	0.000406	0.000004	141.775	16.490885	1.00100175	1.245E-10
13D04235	7.3 %	✓ 8.465393	0.005416	1.302512	0.006086	0.000394	0.000003	141.792	16.496541	1.00100187	1.990E-10
13D04236	8.5 %	✓ 8.459629	0.005372	1.225784	0.005658	0.000341	0.000002	141.801	16.499256	1.00100193	2.402E-10
13D04237	9.7 %	✓ 8.470610	0.005403	1.114181	0.005207	0.000319	0.000002	141.810	16.502199	1.00100199	2.295E-10
13D04239	11.0 %	✓ 8.518206	0.005489	0.873572	0.004509	0.000414	0.000003	141.826	16.507632	1.00100211	1.481E-10
13D04240	12.4 %	✓ 8.481941	0.005588	0.922716	0.005241	0.000281	0.000004	141.835	16.510576	1.00100217	1.012E-10
13D04241	14.0 %	8.500123	0.005987	1.070464	0.006949	0.000337	0.000005	141.844	16.513294	1.00100223	6.551E-11
13D04243	15.8 %	8.506979	0.006503	1.165333	0.009512	0.000321	0.000008	141.861	16.518957	1.00100236	4.297E-11
13D04244	18.0 %	8.492551	0.007189	1.061674	0.011571	0.000314	0.000008	141.869	16.521677	1.00100241	3.144E-11
13D04245	20.5 %	8.530423	0.008318	1.200587	0.014711	0.000334	0.000011	141.878	16.524623	1.00100248	2.376E-11
13D04247	23.0 %	8.547181	0.010448	1.308526	0.020519	0.000399	0.000015	141.896	16.530290	1.00100260	1.670E-11

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
13D04221	1.6 %	0.0110400 ± 0.0004335	0.0199517 ± 0.0353893	0.0468791 ± 0.0277028	0.0356897 ± 0.0249748	2.8483031 ± 0.1162912
13D04223	2.0 %	0.0105718 ± 0.0004335	0.0013740 ± 0.0353893	0.0539460 ± 0.0277028	0.0534709 ± 0.0249748	2.8337122 ± 0.1162912
13D04224	2.4 %	0.0104519 ± 0.0004335	0.0051102 ± 0.0353893	0.0530537 ± 0.0277028	0.0552453 ± 0.0249748	2.8362678 ± 0.1162912
13D04225	2.8 %	0.0103832 ± 0.0004335	0.0057040 ± 0.0353893	0.0502291 ± 0.0277028	0.0538328 ± 0.0249748	2.8428927 ± 0.1162912
13D04227	3.2 %	0.0103580 ± 0.0004335	0.0001252 ± 0.0353893	0.0404839 ± 0.0277028	0.0440133 ± 0.0249748	2.8639086 ± 0.1162912
13D04228	3.6 %	0.0103854 ± 0.0004335	0.0054737 ± 0.0353893	0.0344628 ± 0.0277028	0.0368418 ± 0.0249748	2.8759501 ± 0.1162912
13D04229	4.0 %	0.0104236 ± 0.0004335	0.0110510 ± 0.0353893	0.0288952 ± 0.0277028	0.0298077 ± 0.0249748	2.8863521 ± 0.1162912
13D04231	4.5 %	0.0105135 ± 0.0004335	0.0227154 ± 0.0353893	0.0186354 ± 0.0277028	0.0159605 ± 0.0249748	2.9025639 ± 0.1162912
13D04232	5.2 %	0.0105505 ± 0.0004335	0.0275986 ± 0.0353893	0.0148478 ± 0.0277028	0.0104848 ± 0.0249748	2.9065895 ± 0.1162912
13D04233	6.1 %	0.0105799 ± 0.0004335	0.0319413 ± 0.0353893	0.0118337 ± 0.0277028	0.0058480 ± 0.0249748	2.9076502 ± 0.1162912
13D04235	7.3 %	0.0105938 ± 0.0004335	0.0367333 ± 0.0353893	0.0095760 ± 0.0277028	0.0014778 ± 0.0249748	2.8994830 ± 0.1162912
13D04236	8.5 %	0.0105781 ± 0.0004335	0.0371742 ± 0.0353893	0.0101585 ± 0.0277028	0.0016597 ± 0.0249748	2.8909368 ± 0.1162912
13D04237	9.7 %	0.0105450 ± 0.0004335	0.0362768 ± 0.0353893	0.0119043 ± 0.0277028	0.0034890 ± 0.0249748	2.8787000 ± 0.1162912
13D04239	11.0 %	0.0104470 ± 0.0004335	0.0312304 ± 0.0353893	0.0175344 ± 0.0277028	0.0107591 ± 0.0249748	2.8500130 ± 0.1162912
13D04240	12.4 %	0.0103808 ± 0.0004335	0.0270520 ± 0.0353893	0.0213687 ± 0.0277028	0.0162745 ± 0.0249748	2.8327405 ± 0.1162912
13D04241	14.0 %	0.0103176 ± 0.0004335	0.0226477 ± 0.0353893	0.0249787 ± 0.0277028	0.0218917 ± 0.0249748	2.8169430 ± 0.1162912
13D04243	15.8 %	0.0102055 ± 0.0004335	0.0133291 ± 0.0353893	0.0310186 ± 0.0277028	0.0332769 ± 0.0249748	2.7893540 ± 0.1162912
13D04244	18.0 %	0.0101759 ± 0.0004335	0.0096841 ± 0.0353893	0.0322579 ± 0.0277028	0.0374801 ± 0.0249748	2.7813558 ± 0.1162912
13D04245	20.5 %	0.0101747 ± 0.0004335	0.0071380 ± 0.0353893	0.0315644 ± 0.0277028	0.0401344 ± 0.0249748	2.7788361 ± 0.1162912
13D04247	23.0 %	0.0103084 ± 0.0004335	0.0091190 ± 0.0353893	0.0214828 ± 0.0277028	0.0363154 ± 0.0249748	2.7997448 ± 0.1162912

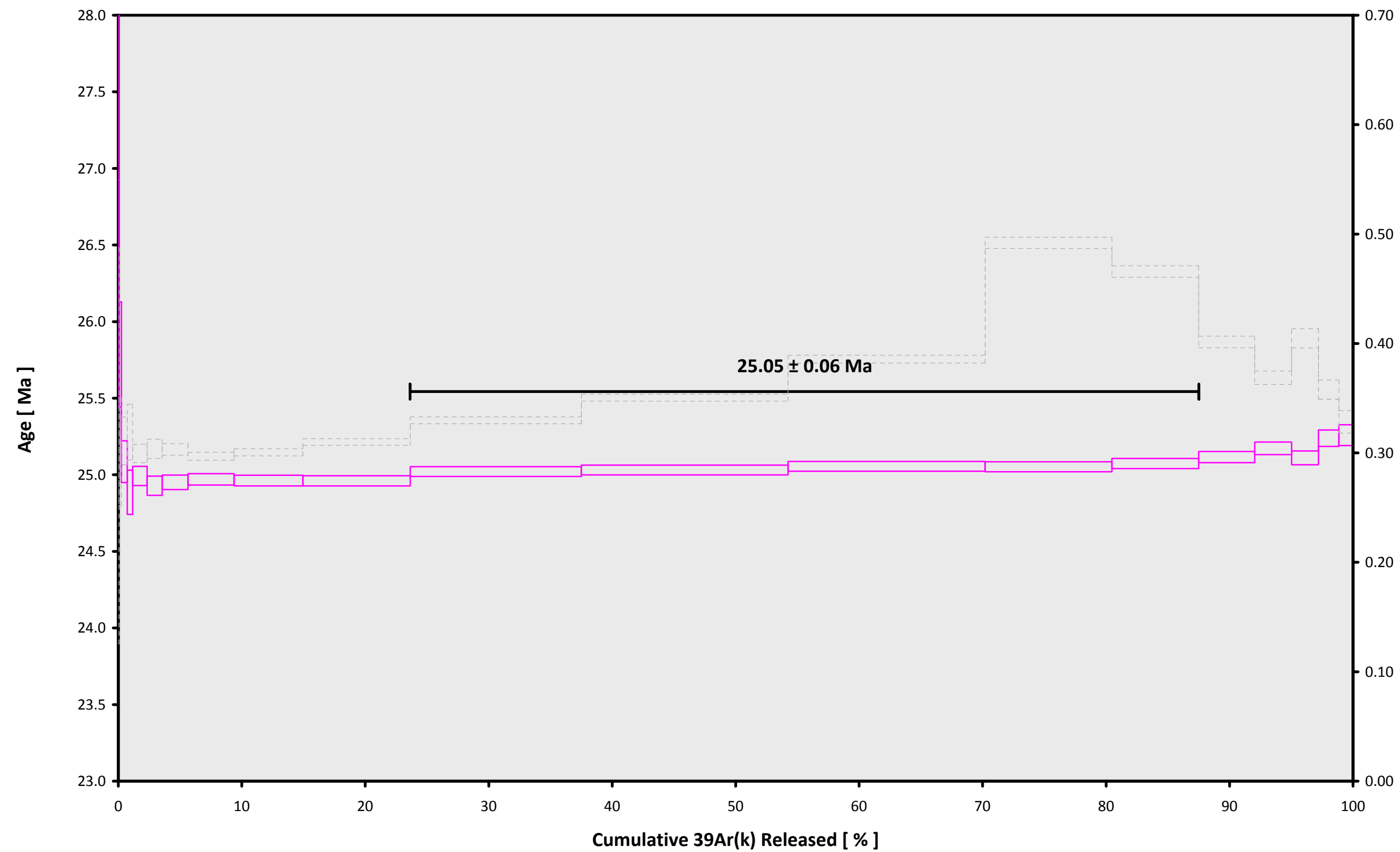
Intercept Values		36Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	37Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	38Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	39Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	40Ar ± 1σ (SE) [fA]	r2	Regression (type,n)
13D04221	1.6 %	0.0164013 ± 0.0003507	0.5282	EXP 150 of 150	0.1852623 ± 0.0334537	0.0003	EXP 150 of 150	0.0735718 ± 0.0282533	0.0147	EXP 150 of 150	1.997882 ± 0.025173	0.2527	EXP 150 of 150	23.08018 ± 0.02872	0.8605	EXP 150 of 150
13D04223	2.0 %	0.0195713 ± 0.0004089	0.4825	EXP 150 of 150	0.5778162 ± 0.0313313	0.0040	EXP 150 of 150	0.1417048 ± 0.0282779	0.0580	EXP 149 of 150	6.816417 ± 0.027045	0.7455	EXP 150 of 150	64.25491 ± 0.03212	0.9778	EXP 150 of 150
13D04224	2.4 %	0.0216121 ± 0.0003495	0.6366	EXP 150 of 150	1.3660089 ± 0.0316728	0.0113	EXP 150 of 150	0.1890887 ± 0.0283535	0.0077	EXP 150 of 150	16.577421 ± 0.025601	0.9466	EXP 150 of 150	145.69722 ± 0.04092	0.9972	EXP 150 of 150
13D04225	2.8 %	0.0186857 ± 0.0003771	0.5860	EXP 150 of 150	1.2320050 ± 0.0339301	0.0016	EXP 150 of 150	0.0975865 ± 0.0292573	0.0135	EXP 150 of 150	15.357357 ± 0.024041	0.9461	EXP 150 of 150	133.54987 ± 0.03846	0.9969	EXP 150 of 150
13D04227	3.2 %	0.0343786 ± 0.0004480	0.5172	EXP 150 of 150	3.5509000 ± 0.0309178	0.2105	EXP 150 of 150	0.4460688 ± 0.0301437	0.0018	EXP 150 of 150	41.270620 ± 0.024926	0.9922	EXP 150 of 150	356.68540 ± 0.05397	0.9994	EXP 150 of 150
13D04228	3.6 %	0.0325091 ± 0.0004833	0.5429	EXP 150 of 150	3.6503686 ± 0.0351410	0.2782	EXP 150 of 150	0.4893113 ± 0.0326404	0.0093	EXP 150 of 150	42.960314 ± 0.028512	0.9904	EXP 150 of 150	369.50939 ± 0.05137	0.9995	EXP 150 of 150
13D04229	4.0 %	0.0471462 ± 0.0005861	0.4893	EXP 150 of 150	6.2574126 ± 0.0299198	0.6070	EXP 150 of 150	0.8285969 ± 0.0294358	0.0148	EXP 150 of 150	73.495961 ± 0.035191	0.9949	EXP 150 of 150	630.60177 ± 0.06394	0.9998	EXP 150 of 150
13D04231	4.5 %	0.0700235 ± 0.0006649	0.6074	EXP 150 of 150	11.3914458 ± 0.0301687	0.8117	EXP 150 of 150	1.5420562 ± 0.0274673	0.0959	EXP 150 of 150	131.016639 ± 0.033487	0.9986	EXP 150 of 150	1120.92797 ± 0.08142	0.9999	EXP 150 of 150
13D04232	5.2 %	0.0929489 ± 0.0007421	0.7369	EXP 149 of 150	16.7680570 ± 0.0370897	0.8602	EXP 150 of 150	2.2533232 ± 0.0268103	0.0724	EXP 150 of 150	195.329757 ± 0.041359	0.9990	EXP 150 of 150	1667.67947 ± 0.08982	0.9999	EXP 150 of 150
13D04233	6.1 %	0.1321304 ± 0.0010028	0.7639	EXP 149 of 150	25.3872223 ± 0.0329056	0.9525	EXP 150 of 150	3.6213995 ± 0.0275369	0.3690	EXP 150 of 150	305.053269 ± 0.044363	0.9995	EXP 150 of 150	2601.68501 ± 0.12258	1.0000	EXP 150 of 150
13D04235	7.3 %	0.1983554 ± 0.0011323	0.8404	EXP 149 of 150	38.0177500 ± 0.0356644	0.9735	EXP 150 of 150	5.8422403 ± 0.0299085	0.5666	EXP 150 of 150	486.419631 ± 0.055197	0.9997	EXP 150 of 150	4158.63039 ± 0.17638	1.0000	EXP 150 of 150
13D04236	8.5 %	0.2066767 ± 0.0011025	0.9018	EXP 149 of 150	43.1966918 ± 0.0320378	0.9827	EXP 150 of 150	7.0804123 ± 0.0289816	0.6607	EXP 150 of 150	587.435775 ± 0.052673	0.9998	EXP 150 of 150	5018.23843 ± 0.19687	1.0000	EXP 150 of 150
13D04237	9.7 %	0.1855981 ± 0.0010901	0.9018	EXP 150 of 150	37.4567356 ± 0.0346019	0.9752	EXP 150 of 150	6.7505423 ± 0.0263743	0.7073	EXP 149 of 150	560.440879 ± 0.060287	0.9997	EXP 150 of 150	4793.94718 ± 0.18269	1.0000	EXP 150 of 150
13D04239	11.0 %	0.1564343 ± 0.0010055	0.8137	EXP 150 of 150	18.8596513 ± 0.0326719	0.9067	EXP 150 of 150	4.2883203 ± 0.0316486	0.3648	EXP 150 of 150	359.786476 ± 0.045204	0.9997	EXP 150 of 150	3095.78354 ± 0.13627	1.0000	EXP 150 of 150
13D04240	12.4 %	0.0783996 ± 0.0007689	0.8513	EXP 150 of 150	13.6681941 ± 0.0317530	0.8498	EXP 150 of 150	2.9697174 ± 0.0273260	0.2879	EXP 150 of 150	246.834364 ± 0.040730	0.9994	EXP 150 of 150	2115.65463 ± 0.10193	0.9999	EXP 150 of 150
13D04241	14.0 %	0.0629162 ± 0.0007260	0.7875	EXP 150 of 150	10.2435036 ± 0.0322826	0.7876	EXP 149 of 150	1.9246573 ± 0.0276933	0.1860	EXP 150 of 150	159.455872 ± 0.041698	0.9985	EXP 150 of 150	1370.53560 ± 0.09320	0.9999	EXP 150 of 150
13D04243	15.8 %	0.0430957 ± 0.0006309	0.7241	EXP 150 of 150	7.3029881 ± 0.0348053	0.5679	EXP 149 of 150	1.1860445 ± 0.0267174	0.0338	EXP 150 of 150	104.522554 ± 0.034875	0.9975	EXP 150 of 150	899.88308 ± 0.07898	0.9998	EXP 150 of 150
13D04244	18.0 %	0.0337331 ± 0.0004468	0.8094	EXP 149 of 150	4.8773903 ± 0.0328522	0.4573	EXP 150 of 150	0.9207440 ± 0.0270581	0.0915	EXP 149 of 150	76.635821 ± 0.032485	0.9960	EXP 150 of 150	659.30180 ± 0.05807	0.9998	EXP 150 of 150
13D04245	20.5 %	0.0290637 ± 0.0004763	0.7377	EXP 150 of 150	4.1480153 ± 0.0311288	0.2826	EXP 150 of 150	0.6780180 ± 0.0257380	0.0321	EXP 150 of 150	57.671915 ± 0.031867	0.9931	EXP 150 of 150	498.94073 ± 0.05249	0.9997	EXP 150 of 150
13D04247	23.0 %	0.0261024 ± 0.0004230	0.7298	EXP 150 of 150	3.1730319 ± 0.0315940	0.2077	EXP 150 of 150	0.4340394 ± 0.0295843	0.0000	EXP 150 of 150	40.452427 ± 0.031112	0.9867	EXP 150 of 150	351.43255 ± 0.04600	0.9995	EXP 150 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
13D04221	1.6 %	Susan Schnur	13-OSU-05			45.95	Walvis Ridge\MV1203 (13-INT-04)	13D04220	01
13D04223	2.0 %	Susan Schnur	13-OSU-05			45.95	Walvis Ridge\MV1203 (13-INT-04)	13D04220	01
13D04224	2.4 %	Susan Schnur	13-OSU-05			45.95	Walvis Ridge\MV1203 (13-INT-04)	13D04220	01
13D04225	2.8 %	Susan Schnur	13-OSU-05			45.95	Walvis Ridge\MV1203 (13-INT-04)	13D04220	01
13D04227	3.2 %	Susan Schnur	13-OSU-05			45.95	Walvis Ridge\MV1203 (13-INT-04)	13D04220	01
13D04228	3.6 %	Susan Schnur	13-OSU-05			45.95	Walvis Ridge\MV1203 (13-INT-04)	13D04220	01
13D04229	4.0 %	Susan Schnur	13-OSU-05			45.95	Walvis Ridge\MV1203 (13-INT-04)	13D04220	01
13D04231	4.5 %	Susan Schnur	13-OSU-05			45.95	Walvis Ridge\MV1203 (13-INT-04)	13D04220	01
13D04232	5.2 %	Susan Schnur	13-OSU-05			45.95	Walvis Ridge\MV1203 (13-INT-04)	13D04220	01
13D04233	6.1 %	Susan Schnur	13-OSU-05			45.95	Walvis Ridge\MV1203 (13-INT-04)	13D04220	01
13D04235	7.3 %	Susan Schnur	13-OSU-05			45.95	Walvis Ridge\MV1203 (13-INT-04)	13D04220	01
13D04236	8.5 %	Susan Schnur	13-OSU-05			45.95	Walvis Ridge\MV1203 (13-INT-04)	13D04220	01
13D04237	9.7 %	Susan Schnur	13-OSU-05			45.95	Walvis Ridge\MV1203 (13-INT-04)	13D04220	01
13D04239	11.0 %	Susan Schnur	13-OSU-05			45.95	Walvis Ridge\MV1203 (13-INT-04)	13D04220	01
13D04240	12.4 %	Susan Schnur	13-OSU-05			45.95	Walvis Ridge\MV1203 (13-INT-04)	13D04220	01
13D04241	14.0 %	Susan Schnur	13-OSU-05			45.95	Walvis Ridge\MV1203 (13-INT-04)	13D04220	01
13D04243	15.8 %	Susan Schnur	13-OSU-05			45.95	Walvis Ridge\MV1203 (13-INT-04)	13D04220	01
13D04244	18.0 %	Susan Schnur	13-OSU-05			45.95	Walvis Ridge\MV1203 (13-INT-04)	13D04220	01
13D04245	20.5 %	Susan Schnur	13-OSU-05			45.95	Walvis Ridge\MV1203 (13-INT-04)	13D04220	01
13D04247	23.0 %	Susan Schnur	13-OSU-05			45.95	Walvis Ridge\MV1203 (13-INT-04)	13D04220	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	
13D04221	1.6 %	MV1203-D40-02	Plagioclase	Dusky Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	9.53809	0.121	0.00164786	0.121	302.755	0.094	0.99400144	0.063	1	4.8E-14	10	NOV	2013	13	43	1
13D04223	2.0 %	MV1203-D40-02	Plagioclase	Dusky Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	9.53809	0.121	0.00164786	0.121	302.755	0.094	0.99400144	0.063	1	4.8E-14	10	NOV	2013	14	8	1
13D04224	2.4 %	MV1203-D40-02	Plagioclase	Dusky Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	9.53809	0.121	0.00164786	0.121	302.755	0.094	0.99400144	0.063	1	4.8E-14	10	NOV	2013	14	20	1
13D04225	2.8 %	MV1203-D40-02	Plagioclase	Dusky Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	9.53809	0.121	0.00164786	0.121	302.755	0.094	0.99400144	0.063	1	4.8E-14	10	NOV	2013	14	32	1
13D04227	3.2 %	MV1203-D40-02	Plagioclase	Dusky Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	9.53809	0.121	0.00164786	0.121	302.755	0.094	0.99400144	0.063	1	4.8E-14	10	NOV	2013	14	57	1
13D04228	3.6 %	MV1203-D40-02	Plagioclase	Dusky Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	9.53809	0.121	0.00164786	0.121	302.755	0.094	0.99400144	0.063	1	4.8E-14	10	NOV	2013	15	10	1
13D04229	4.0 %	MV1203-D40-02	Plagioclase	Dusky Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	9.53809	0.121	0.00164786	0.121	302.755	0.094	0.99400144	0.063	1	4.8E-14	10	NOV	2013	15	22	1
13D04231	4.5 %	MV1203-D40-02	Plagioclase	Dusky Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	9.53809	0.121	0.00164786	0.121	302.755	0.094	0.99400144	0.063	1	4.8E-14	10	NOV	2013	15	47	1
13D04232	5.2 %	MV1203-D40-02	Plagioclase	Dusky Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	9.53809	0.121	0.00164786	0.121	302.755	0.094	0.99400144	0.063	1	4.8E-14	10	NOV	2013	15	59	1
13D04233	6.1 %	MV1203-D40-02	Plagioclase	Dusky Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	9.53809	0.121	0.00164786	0.121	302.755	0.094	0.99400144	0.063	1	4.8E-14	10	NOV	2013	16	12	1
13D04235	7.3 %	MV1203-D40-02	Plagioclase	Dusky Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	9.53809	0.121	0.00164786	0.121	302.755	0.094	0.99400144	0.063	1	4.8E-14	10	NOV	2013	16	37	1
13D04236	8.5 %	MV1203-D40-02	Plagioclase	Dusky Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	9.53809	0.121	0.00164786	0.121	302.755	0.094	0.99400144	0.063	1	4.8E-14	10	NOV	2013	16	49	1
13D04237	9.7 %	MV1203-D40-02	Plagioclase	Dusky Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	9.53809	0.121	0.00164786	0.121	302.755	0.094	0.99400144	0.063	1	4.8E-14	10	NOV	2013	17	2	1
13D04239	11.0 %	MV1203-D40-02	Plagioclase	Dusky Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	9.53809	0.121	0.00164786	0.121	302.755	0.094	0.99400144	0.063	1	4.8E-14	10	NOV	2013	17	26	1
13D04240	12.4 %	MV1203-D40-02	Plagioclase	Dusky Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	9.53809	0.121	0.00164786	0.121	302.755	0.094	0.99400144	0.063	1	4.8E-14	10	NOV	2013	17	39	1
13D04241	14.0 %	MV1203-D40-02	Plagioclase	Dusky Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	9.53809	0.121	0.00164786	0.121	302.755	0.094	0.99400144	0.063	1	4.8E-14	10	NOV	2013	17	51	1
13D04243	15.8 %	MV1203-D40-02	Plagioclase	Dusky Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	9.53809	0.121	0.00164786	0.121	302.755	0.094	0.99400144	0.063	1	4.8E-14	10	NOV	2013	18	16	1
13D04244	18.0 %	MV1203-D40-02	Plagioclase	Dusky Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	9.53809	0.121	0.00164786	0.121	302.755	0.094	0.99400144	0.063	1	4.8E-14	10	NOV	2013	18	28	1
13D04245	20.5 %	MV1203-D40-02	Plagioclase	Dusky Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	9.53809	0.121	0.00164786	0.121	302.755	0.094	0.99400144	0.063	1	4.8E-14	10	NOV	2013	18	41	1
13D04247	23.0 %	MV1203-D40-02	Plagioclase	Dusky Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	9.53809	0.121	0.00164786	0.121	302.755	0.094	0.99400144	0.063	1	4.8E-14	10	NOV	2013	19	6	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
13D04221	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
13D04223	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
13D04224	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
13D04225	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
13D04227	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
13D04228	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
13D04229	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
13D04231	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
13D04232	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
13D04233	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
13D04235	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
13D04236	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
13D04237	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
13D04239	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
13D04240	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
13D04241	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
13D04243	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
13D04244	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
13D04245	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
13D04247	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

13D04220.AGE >>> MV1203-D40-02 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
 25.05 ± 0.06

TOTAL FUSION
 25.04 ± 0.06

NORMAL ISOCHRON
 25.03 ± 0.07

INVERSE ISOCHRON
 25.04 ± 0.07

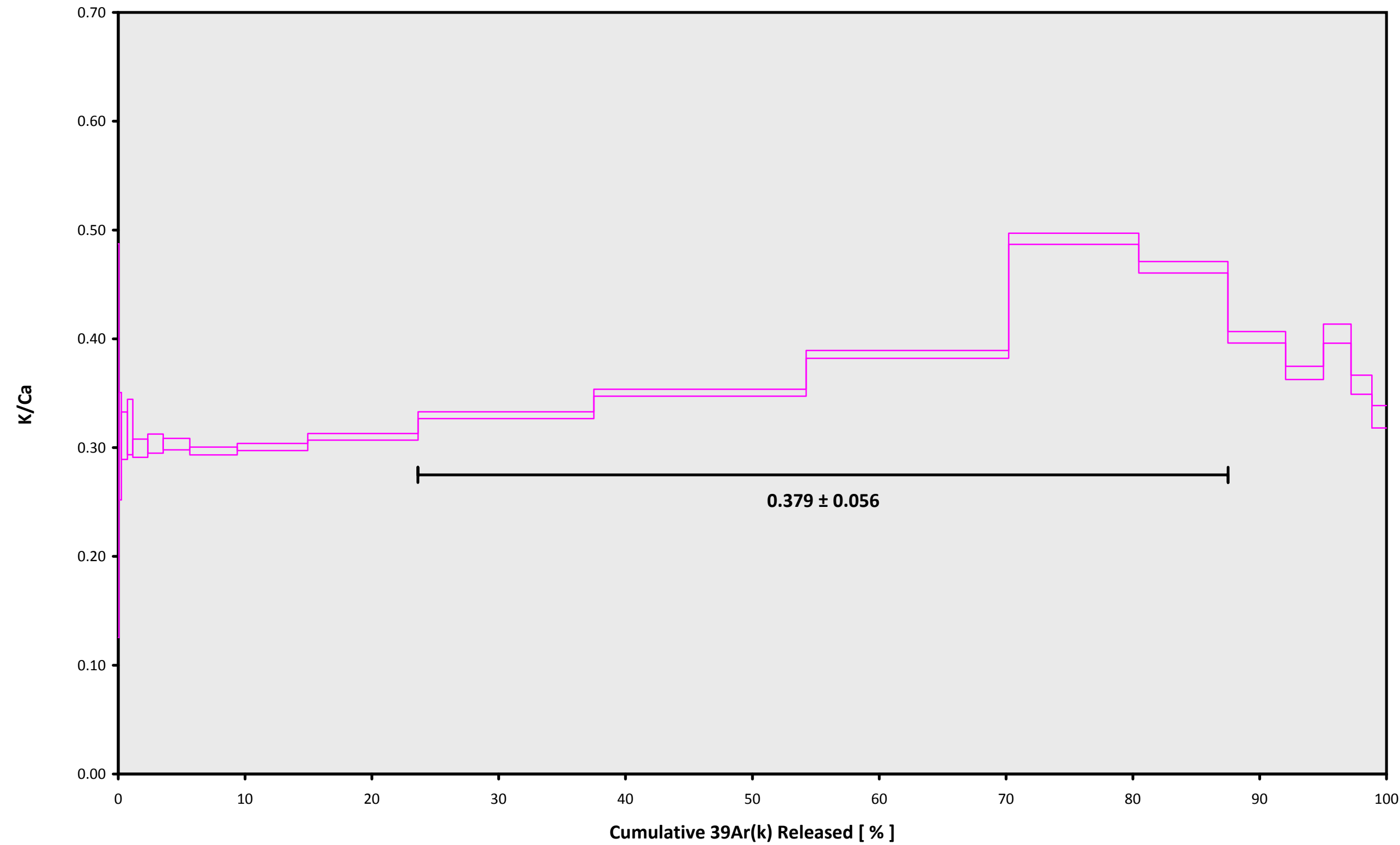
MSWD (PROBABILITY)
 1.59 (17%)

Sample Info

Plagioclase
Dusky Guyot
Susan Schnur

IRR = 13-OSU-05
 $J = 0.00164786 \pm 0.00000199$

13D04220.AGE >>> MV1203-D40-02 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
25.05 ± 0.06

TOTAL FUSION
25.04 ± 0.06

NORMAL ISOCHRON
25.03 ± 0.07

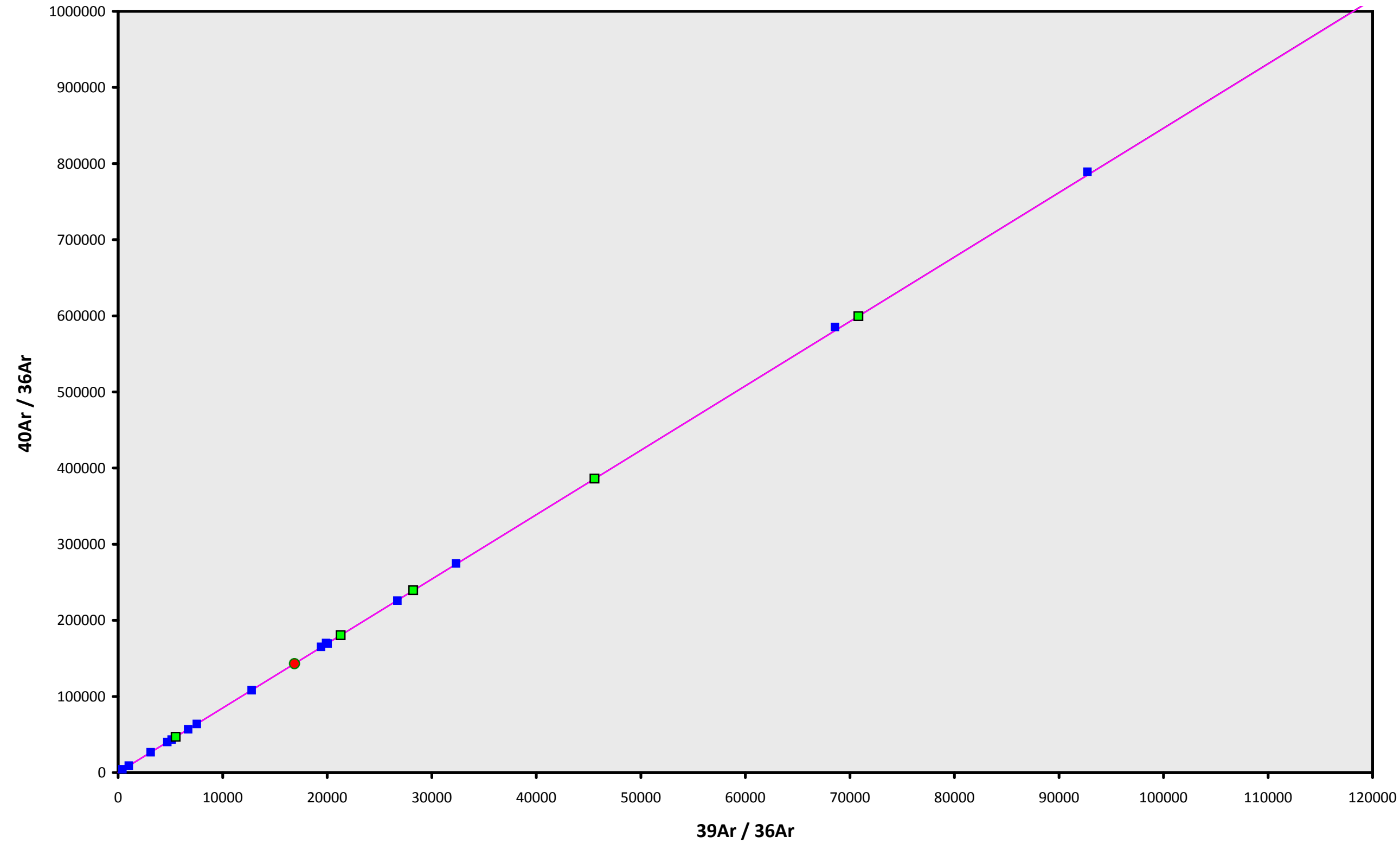
INVERSE ISOCHRON
25.04 ± 0.07

Sample Info

Plagioclase
Dusky Guyot
Susan Schnur

IRR = 13-OSU-05
J = 0.00164786 ± 0.00000199

13D04220.AGE >>> MV1203-D40-02 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
25.05 ± 0.06

TOTAL FUSION
25.04 ± 0.06

NORMAL ISOCHRON
25.03 ± 0.07

INVERSE ISOCHRON
25.04 ± 0.07

MSWD (PROBABILITY)
2.17 (9%)

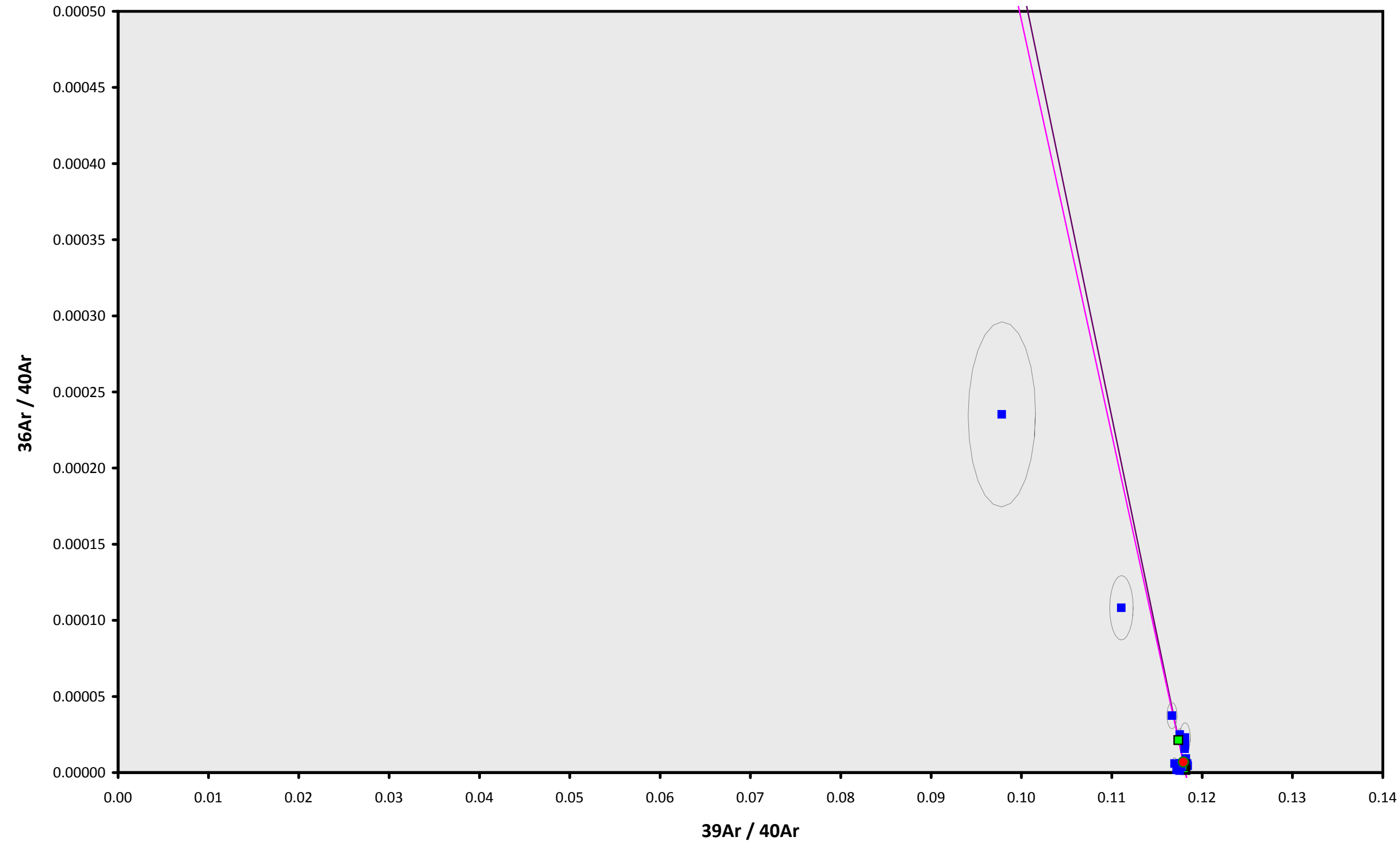
40AR/36AR INTERCEPT
336.9 ± 119.1

Sample Info

Plagioclase
Dusky Guyot
Susan Schnur

IRR = 13-OSU-05
J = 0.00164786 ± 0.00000199

13D04220.AGE >>> MV1203-D40-02 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

25.05 ± 0.06

TOTAL FUSION

25.04 ± 0.06

NORMAL ISOCHRON

25.03 ± 0.07

INVERSE ISOCHRON

25.04 ± 0.07

MSWD (PROBABILITY)

2.06 (10%)

SPREADING FACTOR

0.7%

40AR/36AR INTERCEPT

311.2 ± 110.3

Sample Info

Plagioclase

Dusky Guyot

Susan Schnur

IRR = 13-OSU-05

J = 0.00164786 ± 0.00000199