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
16D16171	1.8 %		0.0076601	8.384	0.475893	68.742	0.508530	4.798	38.6670	0.092	433.346	0.031	11.14590 ± 0.02373	33.97 ± 0.07	99.45	1.22	35 ± 48
16D16173	2.0 %		0.0072991	8.762	0.587141	56.004	0.560739	4.182	45.5276	0.090	509.082	0.027	11.13177 ± 0.02254	33.93 ± 0.07	99.55	1.43	33 ± 37
16D16174	2.4 %		0.0101231	6.414	0.457250	68.789	0.961405	2.398	78.3514	0.077	874.387	0.016	11.11833 ± 0.01816	33.88 ± 0.05	99.63	2.47	74 ± 101
16D16175	2.8 %		0.0081947	7.980	0.493776	69.749	1.112496	2.233	92.2493	0.076	1027.546	0.014	11.10919 ± 0.01772	33.86 ± 0.05	99.73	2.90	80 ± 112
16D16177	3.2 %		0.0127794	5.177	0.836525	40.100	2.006064	1.222	167.5419	0.072	1864.969	0.008	11.10542 ± 0.01629	33.85 ± 0.05	99.77	5.27	86 ± 69
16D16178	3.6 %	✓	0.0132687	5.196	0.793929	40.104	2.215732	1.074	183.7954	0.072	2048.539	0.007	11.12098 ± 0.01616	33.89 ± 0.05	99.78	5.79	100 ± 80
16D16179	4.0 %	✓	0.0056527	11.646	0.262721	120.836	1.090306	2.189	90.0926	0.076	1002.852	0.014	11.10923 ± 0.01763	33.86 ± 0.05	99.80	2.84	147 ± 356
16D16181	4.5 %	✓	0.0129627	5.372	1.251628	25.800	2.616941	0.926	220.0238	0.071	2452.638	0.006	11.12640 ± 0.01603	33.91 ± 0.05	99.81	6.93	76 ± 39
16D16182	5.0 %	✓	0.0102028	6.665	1.223690	27.876	2.231058	1.076	183.0335	0.071	2039.603	0.008	11.12362 ± 0.01615	33.90 ± 0.05	99.82	5.76	64 ± 36
16D16183	5.5 %	✓	0.0108282	6.492	1.611553	20.965	2.790719	0.851	230.5594	0.071	2568.582	0.006	11.12356 ± 0.01599	33.90 ± 0.05	99.85	7.26	62 ± 26
16D16185	6.0 %	✓	0.0235004	3.099	2.686564	12.402	4.959517	0.528	414.0388	0.070	4615.680	0.004	11.12790 ± 0.01574	33.91 ± 0.05	99.82	13.03	66 ± 16
16D16186	6.7 %	✓	0.0099052	7.175	1.801497	19.348	3.090074	0.819	259.7929	0.071	2896.234	0.005	11.13375 ± 0.01594	33.93 ± 0.05	99.87	8.18	62 ± 24
16D16187	7.4 %	✓	0.0114316	6.328	2.356238	14.138	3.979605	0.612	334.1534	0.071	3725.447	0.004	11.13559 ± 0.01580	33.94 ± 0.05	99.88	10.52	61 ± 17
16D16189	8.3 %		0.0074362	9.451	1.808996	17.793	2.706679	0.944	222.5542	0.071	2483.329	0.006	11.14532 ± 0.01602	33.97 ± 0.05	99.88	7.01	53 ± 19
16D16190	9.5 %		0.0078045	8.877	1.251542	27.372	2.299399	1.064	191.7592	0.071	2140.710	0.007	11.14825 ± 0.01616	33.97 ± 0.05	99.86	6.04	66 ± 36
16D16191	11.0 %		0.0035249	19.011	1.108982	31.118	1.790187	1.350	149.2251	0.072	1669.191	0.009	11.17556 ± 0.01652	34.06 ± 0.05	99.91	4.70	58 ± 36
16D16193	13.0 %		0.0015688	40.718	0.974648	36.127	1.083554	2.204	90.3364	0.076	1012.017	0.014	11.19474 ± 0.01771	34.12 ± 0.05	99.93	2.84	40 ± 29
16D16194	15.5 %		0.0041550	15.798	0.674441	48.991	1.001416	2.418	84.5528	0.077	950.381	0.015	11.22243 ± 0.01812	34.20 ± 0.05	99.84	2.66	54 ± 53
16D16196	18.5 %		0.0030207	21.006	0.091438	346.688	0.491820	4.888	41.0027	0.090	462.052	0.029	11.24344 ± 0.02320	34.26 ± 0.07	99.77	1.29	193 ± 1337
16D16197	21.5 %		0.0039231	16.523	0.344602	96.570	0.447597	5.142	37.4012	0.096	421.741	0.032	11.24209 ± 0.02502	34.26 ± 0.08	99.70	1.18	47 ± 90
16D16199	23.0 %		0.0057764	11.035	0.356985	93.163	0.284072	8.086	22.3631	0.123	253.539	0.053	11.25862 ± 0.03465	34.31 ± 0.10	99.30	0.70	27 ± 50
		Σ	0.1810182	1.703	21.450038	7.102	38.227910	0.290	3177.0216	0.019	35451.865	0.002					

Information on Analysis and Constants Used in Calculations

Project = **MV1203 (13-INT-04)**
Sample = **MV1203-D27-08**
Material = **K-Feldspar**
Location = **Right Guyot**
Region = **Walvis Ridge**
Analyst = **Susan Schnur**
Irradiation = **15-OSU-07 (7B16-15)**
Position = **X: 0 | Y: 0 | Z/H: 27.61 mm**
FCT-NM Age = **28.201 ± 0.023 Ma**
FCT-NM Reference = **Kuiper et al (2008)**
FCT-NM 40Ar/39Ar Ratio = **9.23886 ± 0.01284**
FCT-NM J-value = **0.00170123 ± 0.00000236**
Air Shot 40Ar/36Ar = **304.5220 ± 0.4872**
Air Shot MDF = **0.99258374 ± 0.00069460 (LIN)**
Experiment Type = **Incremental Heating**
Extraction Method = **Bulk Laser Heating**
Heating = **77 sec**
Isolation = **1.50 min**
Instrument = **ARGUS-VI-D**
Preferred Age = **Plateau Age**
Age Classification = **Eruption Age**
IGSN = **IESS10092**
Rock Class = **Igneous>Volcanic>Mafic**
Lithology = **Trachyte**
Lat-Lon = **35°36.4'S - 5°41.4'W**

Age Equations = **Min et al. (2000)**
Negative Intensities = **Allowed**
Collector Calibrations = **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		11.12555 ± 0.00571 ± 0.05%	**33.91 ± 0.09 ± 0.28%**	0.95	60.29	64 ± 9
			Full External Error ± 0.77	47%	8	2σ Confidence Limit
			Analytical Error ± 0.02	2.07		
				1.0000		Error Magnification
Total Fusion Age		11.13876 ± 0.00426 ± 0.04%	**33.95 ± 0.09 ± 0.28%**		21	64 ± 9
			Full External Error ± 0.77			
			Analytical Error ± 0.01			
Normal Isochron	**205.04 ± 468.05** ########	11.15144 ± 0.02466 ± 0.22%	**33.98 ± 0.12 ± 0.35%**	0.48	60.29	
			Full External Error ± 0.77	83%	8	2σ Confidence Limit
			Analytical Error ± 0.07	2.15		
				1.0000		Error Magnification
				1		Number of Iterations
				0.0000001841		Convergence
Inverse Isochron	**173.90 ± 187.91** ########	11.14959 ± 0.02461 ± 0.22%	**33.98 ± 0.12 ± 0.35%**	0.49	60.29	
Clustered Points			Full External Error ± 0.77	81%	8	2σ Confidence Limit
			Analytical Error ± 0.07	2.15		
				1.0000		Error Magnification
Notes				3		Number of Iterations
Good plateau				0.0001066896		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
16D16171	1.8 %		0.0075246	0.475893	0.0418910	38.6667	430.975	33.97 ± 0.07	99.45	1.22	35 ± 48
16D16173	2.0 %		0.0071403	0.587141	0.0116244	45.5272	506.798	33.93 ± 0.07	99.55	1.43	33 ± 37
16D16174	2.4 %		0.0099978	0.457250	0.0168618	78.3511	871.133	33.88 ± 0.05	99.63	2.47	74 ± 101
16D16175	2.8 %		0.0080630	0.493776	0.0011063	92.2489	1024.811	33.86 ± 0.05	99.73	2.90	80 ± 112
16D16177	3.2 %		0.0125566	0.836525	0.0000000	167.5414	1860.618	33.85 ± 0.05	99.77	5.27	86 ± 69
16D16178	3.6 %	✓	0.0130568	0.793929	0.0019991	183.7948	2043.978	33.89 ± 0.05	99.78	5.79	100 ± 80
16D16179	4.0 %	✓	0.0055816	0.262721	0.0053413	90.0925	1000.858	33.86 ± 0.05	99.80	2.84	147 ± 356
16D16181	4.5 %	✓	0.0126294	1.251628	0.0000000	220.0230	2448.065	33.91 ± 0.05	99.81	6.93	76 ± 39
16D16182	5.0 %	✓	0.0098713	1.223690	0.0270588	183.0327	2035.987	33.90 ± 0.05	99.82	5.76	64 ± 36
16D16183	5.5 %	✓	0.0103959	1.611553	0.0148139	230.5583	2564.628	33.90 ± 0.05	99.85	7.26	62 ± 26
16D16185	6.0 %	✓	0.0227849	2.686564	0.0000000	414.0370	4607.364	33.91 ± 0.05	99.82	13.03	66 ± 16
16D16186	6.7 %	✓	0.0094254	1.801497	0.0000000	259.7917	2892.456	33.93 ± 0.05	99.87	8.18	62 ± 24
16D16187	7.4 %	✓	0.0108041	2.356238	0.0000000	334.1518	3720.977	33.94 ± 0.05	99.88	10.52	61 ± 17
16D16189	8.3 %		0.0069486	1.808996	0.0277165	222.5529	2480.425	33.97 ± 0.05	99.88	7.01	53 ± 19
16D16190	9.5 %		0.0074712	1.251542	0.0000000	191.7584	2137.770	33.97 ± 0.05	99.86	6.04	66 ± 36
16D16191	11.0 %		0.0032296	1.108982	0.0000000	149.2244	1667.666	34.06 ± 0.05	99.91	4.70	58 ± 36
16D16193	13.0 %		0.0013092	0.974648	0.0000000	90.3357	1011.285	34.12 ± 0.05	99.93	2.84	40 ± 29
16D16194	15.5 %		0.0039754	0.674441	0.0000000	84.5523	948.883	34.20 ± 0.05	99.84	2.66	54 ± 53
16D16196	18.5 %		0.0029964	0.091438	0.0000000	41.0026	461.010	34.26 ± 0.07	99.77	1.29	193 ± 1337
16D16197	21.5 %		0.0038313	0.344602	0.0000000	37.4010	420.466	34.26 ± 0.08	99.70	1.18	47 ± 90
16D16199	23.0 %		0.0056784	0.356985	0.0139377	22.3629	251.775	34.31 ± 0.10	99.30	0.70	27 ± 50
		Σ	0.1752720	21.450038	0.1623508	3177.0071	35387.926				

Information on Analysis

Project = **MV1203 (13-INT-04)**
Sample = **MV1203-D27-08**
Material = **K-Feldspar**
Location = **Right Guyot**
Region = **Walvis Ridge**
Analyst = **Susan Schnur**
Irradiation = **15-OSU-07 (7B16-15)**
J = **0.00170123 ± 0.00000236**
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	11.12555	± 0.00571	**33.91**	**± 0.09**	0.95	60.29	64 ± 9
		± 0.05%		**± 0.28%**	47%	8	
		Full External Error		± 0.77	2.07	2σ Confidence Limit	
		Analytical Error		± 0.02	1.0000	Error Magnification	
Total Fusion Age	11.13876	± 0.00426	**33.95**	**± 0.09**		21	64 ± 9
		± 0.04%		**± 0.28%**			
		Full External Error		± 0.77			
		Analytical Error		± 0.01			

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
16D16171	1.8 %		5138.69 ± 885.32	57570.79 ± 9918.06	0.9999
16D16173	2.0 %		6376.11 ± 1152.94	71272.83 ± 12887.15	0.9999
16D16174	2.4 %		7836.81 ± 1026.45	87427.69 ± 11450.41	0.9999
16D16175	2.8 %		11441.05 ± 1874.03	127396.24 ± 20866.47	1.0000
16D16177	3.2 %		13342.86 ± 1418.85	148473.63 ± 15786.96	0.9999
16D16178	3.6 %	✓	14076.55 ± 1497.83	156840.49 ± 16687.28	0.9999
16D16179	4.0 %	✓	16140.87 ± 3838.75	179608.12 ± 42715.00	1.0000
16D16181	4.5 %	✓	17421.53 ± 1935.77	194134.46 ± 21569.18	0.9999
16D16182	5.0 %	✓	18541.99 ± 2577.72	206549.62 ± 28713.18	0.9999
16D16183	5.5 %	✓	22177.77 ± 3024.15	246991.20 ± 33677.76	0.9999
16D16185	6.0 %	✓	18171.52 ± 1170.58	202506.45 ± 13042.04	0.9998
16D16186	6.7 %	✓	27562.88 ± 4192.05	307173.70 ± 46716.12	1.0000
16D16187	7.4 %	✓	30928.27 ± 4173.06	344700.03 ± 46506.76	0.9999
16D16189	8.3 %		32028.32 ± 6527.27	357261.49 ± 72807.04	1.0000
16D16190	9.5 %		25666.18 ± 4801.09	286428.36 ± 53577.40	1.0000
16D16191	11.0 %		46204.86 ± 19354.51	516660.84 ± 216420.01	1.0000
16D16193	13.0 %		68998.73 ± 68051.03	772718.51 ± 762104.29	1.0000
16D16194	15.5 %		21269.01 ± 7086.46	238985.50 ± 79624.97	1.0000
16D16196	18.5 %		13684.16 ± 5846.89	154152.49 ± 65864.86	1.0000
16D16197	21.5 %		9761.89 ± 3333.90	110039.55 ± 37580.42	1.0000
16D16199	23.0 %		3938.22 ± 892.73	44634.48 ± 10117.40	0.9999

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	205.04 **± 468.05** **± 228.28%**	11.15144 ± 0.02466 ± 0.22%	**33.98** **± 0.12** **± 0.35%**	0.48 83%
			Full External Error ± 0.77	
			Analytical Error ± 0.07	

Statistics				
	2σ Confidence Limit	2.15	Convergence	0.000000184066
	Error Magnification	1.0000	Number of Iterations	1
	Number of Data Points	8	Calculated Line	Weighted York-2

Inverse Isochron			39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
16D16171	1.8 %		0.0892586 ± 0.0001726	0.00001737 ± 0.00000299	0.0012
16D16173	2.0 %		0.0894606 ± 0.0001681	0.00001403 ± 0.00000254	0.0008
16D16174	2.4 %		0.0896376 ± 0.0001408	0.00001144 ± 0.00000150	0.0005
16D16175	2.8 %		0.0898068 ± 0.0001391	0.00000785 ± 0.00000129	0.0003
16D16177	3.2 %		0.0898669 ± 0.0001305	0.00000674 ± 0.00000072	0.0002
16D16178	3.6 %	✓	0.0897507 ± 0.0001292	0.00000638 ± 0.00000068	0.0001
16D16179	4.0 %	✓	0.0898671 ± 0.0001382	0.00000557 ± 0.00000132	0.0002
16D16181	4.5 %	✓	0.0897395 ± 0.0001284	0.00000515 ± 0.00000057	0.0001
16D16182	5.0 %	✓	0.0897701 ± 0.0001291	0.00000484 ± 0.00000067	0.0001
16D16183	5.5 %	✓	0.0897917 ± 0.0001282	0.00000405 ± 0.00000055	0.0001
16D16185	6.0 %	✓	0.0897330 ± 0.0001266	0.00000494 ± 0.00000032	0.0001
16D16186	6.7 %	✓	0.0897306 ± 0.0001278	0.00000326 ± 0.00000050	0.0001
16D16187	7.4 %	✓	0.0897252 ± 0.0001269	0.00000290 ± 0.00000039	0.0000
16D16189	8.3 %		0.0896495 ± 0.0001280	0.00000280 ± 0.00000057	0.0001
16D16190	9.5 %		0.0896077 ± 0.0001287	0.00000349 ± 0.00000065	0.0001
16D16191	11.0 %		0.0894298 ± 0.0001305	0.00000194 ± 0.00000081	0.0000
16D16193	13.0 %		0.0892935 ± 0.0001372	0.00000129 ± 0.00000128	0.0001
16D16194	15.5 %		0.0889971 ± 0.0001389	0.00000418 ± 0.00000139	0.0002
16D16196	18.5 %		0.0887703 ± 0.0001680	0.00000649 ± 0.00000277	0.0004
16D16197	21.5 %		0.0887126 ± 0.0001798	0.00000909 ± 0.00000310	0.0006
16D16199	23.0 %		0.0882328 ± 0.0002364	0.00002240 ± 0.00000508	0.0018

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	173.90 **± 187.91**	11.14959 ± 0.02461	**33.98 ± 0.12**	0.49
Clustered Points	**± 108.05%**	± 0.22%	**± 0.35%**	81%
			Full External Error ± 0.77	
			Analytical Error ± 0.07	

Statistics				
	2σ Confidence Limit	2.15	Convergence	0.0001066896
	Error Magnification	1.0000	Number of Iterations	3
	Number of Data Points	8	Calculated Line	Weighted York-2
	Spreading Factor	0.2%		

Degassing Patterns			36Ar(a) [fA]	%1σ	36Ar(c) [fA]	%1σ	36Ar(ca) [fA]	%1σ	36Ar(cl) [fA]	%1σ	37Ar(ca) [fA]	%1σ	38Ar(a) [fA]	%1σ	38Ar(c) [fA]	%1σ	38Ar(k) [fA]	%1σ	38Ar(ca) [fA]	%1σ	38Ar(cl) [fA]	%1σ	39Ar(k) [fA]	%1σ	39Ar(ca) [fA]	%1σ	40Ar(r) [fA]	%1σ	40Ar(a) [fA]	%1σ	40Ar(c) [fA]	%1σ	40Ar(k) [fA]	%1σ
16D16171	1.8 %		0.0075246	8.61	0.0000000	0.00	0.0001267	68.74	0.0000088	58.29	0.475893	68.74	0.0014064	8.61	0.0000000	0.00	0.465199	0.18	0.0000342	69.93	0.0418910	58.29	38.6667	0.09	0.0003215	68.75	430.975	0.05	2.223524	8.61	0.0000000	0.00	0.147823	2.66
16D16173	2.0 %		0.0071403	9.04	0.0000000	0.00	0.0001564	56.00	0.0000024	201.91	0.587141	56.00	0.0013345	9.04	0.0000000	0.00	0.547738	0.18	0.0000422	57.45	0.0116244	201.91	45.5272	0.09	0.0003967	56.02	506.798	0.05	2.109955	9.04	0.0000000	0.00	0.174051	2.66
16D16174	2.4 %		0.0099978	6.55	0.0000000	0.00	0.0001218	68.79	0.0000035	137.11	0.457250	68.79	0.0018686	6.55	0.0000000	0.00	0.942642	0.18	0.0000328	69.97	0.0168618	137.11	78.3511	0.08	0.0003089	68.80	871.133	0.03	2.954360	6.55	0.0000000	0.00	0.299536	2.66
16D16175	2.8 %		0.0080630	8.19	0.0000000	0.00	0.0001315	69.75	0.0000002	######	0.493776	69.75	0.0015070	8.19	0.0000000	0.00	1.109847	0.18	0.0000355	70.92	0.0011063	######	92.2489	0.08	0.0003336	69.76	1024.811	0.02	2.382611	8.19	0.0000000	0.00	0.352668	2.66
16D16177	3.2 %		0.0125566	5.32	0.0000000	0.00	0.0002228	40.10	0.0000000	0.00	0.836525	40.10	0.0023468	5.32	0.0000000	0.00	2.015690	0.18	0.0000601	42.10	0.0000000	0.00	167.5414	0.07	0.0005652	40.12	1860.618	0.01	3.710484	5.32	0.0000000	0.00	0.640511	2.66
16D16178	3.6 %	✓	0.0130568	5.32	0.0000000	0.00	0.0002114	40.10	0.0000004	######	0.793929	40.10	0.0024403	5.32	0.0000000	0.00	2.211235	0.18	0.0000570	42.10	0.0019991	######	183.7948	0.07	0.0005364	40.13	2043.978	0.01	3.858287	5.32	0.0000000	0.00	0.702648	2.66
16D16179	4.0 %	✓	0.0055816	11.89	0.0000000	0.00	0.0000700	120.84	0.0000011	448.24	0.262721	120.84	0.0010432	11.89	0.0000000	0.00	1.083903	0.18	0.0000189	121.51	0.0053413	448.24	90.0925	0.08	0.0001775	120.84	1000.858	0.02	1.649374	11.89	0.0000000	0.00	0.344424	2.66
16D16181	4.5 %	✓	0.0126294	5.56	0.0000000	0.00	0.0003333	25.80	0.0000000	0.00	1.251628	25.80	0.0023604	5.56	0.0000000	0.00	2.647097	0.18	0.0000899	28.81	0.0000000	0.00	220.0230	0.07	0.0008456	25.83	2448.065	0.01	3.731980	5.56	0.0000000	0.00	0.841148	2.66
16D16182	5.0 %	✓	0.0098713	6.95	0.0000000	0.00	0.0003259	27.88	0.0000057	89.83	1.223690	27.88	0.0018449	6.95	0.0000000	0.00	2.202066	0.18	0.0000879	30.68	0.0270588	89.83	183.0327	0.07	0.0008267	27.91	2035.987	0.01	2.916955	6.95	0.0000000	0.00	0.699734	2.66
16D16183	5.5 %	✓	0.0103959	6.82	0.0000000	0.00	0.0004292	20.97	0.0000031	163.57	1.611553	20.97	0.0019430	6.82	0.0000000	0.00	2.773847	0.18	0.0001157	24.57	0.0148139	163.57	230.5583	0.07	0.0010888	21.01	2564.628	0.01	3.071994	6.82	0.0000000	0.00	0.881424	2.66
16D16185	6.0 %	✓	0.0227849	3.22	0.0000000	0.00	0.0007154	12.40	0.0000000	0.00	2.686564	12.40	0.0042585	3.22	0.0000000	0.00	4.981279	0.17	0.0001929	17.84	0.0000000	0.00	414.0370	0.07	0.0018150	12.47	4607.364	0.01	6.732949	3.22	0.0000000	0.00	1.582863	2.66
16D16186	6.7 %	✓	0.0094254	7.60	0.0000000	0.00	0.0004797	19.35	0.0000000	0.00	1.801497	19.35	0.0017616	7.60	0.0000000	0.00	3.125554	0.18	0.0001293	23.21	0.0000000	0.00	259.7917	0.07	0.0012171	19.39	2892.456	0.01	2.785211	7.60	0.0000000	0.00	0.993184	2.66
16D16187	7.4 %	✓	0.0108041	6.75	0.0000000	0.00	0.0006275	14.14	0.0000000	0.00	2.356238	14.14	0.0020193	6.75	0.0000000	0.00	4.020180	0.17	0.0001692	19.08	0.0000000	0.00	334.1518	0.07	0.0015919	14.20	3720.977	0.01	3.192608	6.75	0.0000000	0.00	1.277462	2.66
16D16189	8.3 %		0.0069486	10.19	0.0000000	0.00	0.0004817	17.79	0.0000058	93.70	1.808996	17.79	0.0012987	10.19	0.0000000	0.00	2.677534	0.18	0.0001299	21.93	0.0277165	93.71	222.5529	0.07	0.0012222	17.84	2480.425	0.01	2.053320	10.19	0.0000000	0.00	0.850820	2.66
16D16190	9.5 %		0.0074712	9.35	0.0000000	0.00	0.0003333	27.37	0.0000000	0.00	1.251542	27.37	0.0013964	9.35	0.0000000	0.00	2.307045	0.18	0.0000899	30.23	0.0000000	0.00	191.7584	0.07	0.0008455	27.40	2137.770	0.01	2.207754	9.35	0.0000000	0.00	0.733092	2.66
16D16191	11.0 %		0.0032296	20.94	0.0000000	0.00	0.0002953	31.12	0.0000000	0.00	1.108982	31.12	0.0006036	20.94	0.0000000	0.00	1.795318	0.18	0.0000796	33.66	0.0000000	0.00	149.2244	0.07	0.0007492	31.15	1667.666	0.01	0.954354	20.94	0.0000000	0.00	0.570485	2.66
16D16193	13.0 %		0.0013092	49.31	0.0000000	0.00	0.0002595	36.13	0.0000000	0.00	0.974648	36.13	0.0002447	49.31	0.0000000	0.00	1.086829	0.18	0.0000700	38.33	0.0000000	0.00	90.3357	0.08	0.0006585	36.15	1011.285	0.02	0.386880	49.31	0.0000000	0.00	0.345353	2.66
16D16194	15.5 %		0.0039754	16.66	0.0000000	0.00	0.0001796	48.99	0.0000000	0.00	0.674441	48.99	0.0007430	16.66	0.0000000	0.00	1.017249	0.18	0.0000484	50.64	0.0000000	0.00	84.5523	0.08	0.0004557	49.01	948.883	0.03	1.174724	16.66	0.0000000	0.00	0.323244	2.66
16D16196	18.5 %		0.0029964	21.36	0.0000000	0.00	0.0000243	346.69	0.0000000	0.00	0.091438	346.69	0.0005600	21.36	0.0000000	0.00	0.493302	0.18	0.0000066	346.92	0.0000000	0.00	41.0026	0.09	0.0000618	346.69	461.010	0.05	0.885423	21.36	0.0000000	0.00	0.156753	2.66
16D16197	21.5 %		0.0038313	17.08	0.0000000	0.00	0.0000918	96.57	0.0000000	0.00	0.344602	96.57	0.0007161	17.08	0.0000000	0.00	0.449972	0.19	0.0000247	97.42	0.0000000	0.00	37.4010	0.10	0.0002328	96.58	420.466	0.06	1.132158	17.08	0.0000000	0.00	0.142984	2.66
16D16199	23.0 %		0.0056784	11.33	0.0000000	0.00	0.0000951	93.16	0.0000029	164.86	0.356985	93.16	0.0010613	11.33	0.0000000	0.00	0.269048	0.20	0.0000256	94.04	0.0139377	164.86	22.3629	0.12	0.0002412	93.17	251.775	0.09	1.677972	11.33	0.0000000	0.00	0.085493	2.66
		Σ	0.1752720	1.77	0.0000000	0.00	0.0057121	7.10	0.0000341	47.06	21.450038	7.10	0.0327583	1.77	0.0000000	0.00	38.222573	0.05	0.0015401	7.86	0.1623508	47.06	3177.0071	0.02	0.0144916	7.11	35387.926	0.00	51.792876	1.77	0.0000000	0.00	12.145698	0.70
		Σ							0.1810182	1.73	21.450038	7.10									38.419222	0.20			3177.0216	0.02							35451.865	0.00

Additional Parameters			40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
16D16171	1.8 %		11.207135	0.010834	0.012307	0.008460	0.000198	0.000017	129.278	12.883873	1.00091349	2.080E-11
16D16173	2.0 %		11.181837	0.010502	0.012896	0.007223	0.000160	0.000014	129.290	12.886878	1.00091357	2.444E-11
16D16174	2.4 %		11.159815	0.008767	0.005836	0.004014	0.000129	0.000008	129.297	12.888469	1.00091362	4.197E-11
16D16175	2.8 %		11.138800	0.008627	0.005353	0.003733	0.000089	0.000007	129.302	12.889883	1.00091365	4.932E-11
16D16177	3.2 %		11.131356	0.008079	0.004993	0.002002	0.000076	0.000004	129.314	12.892889	1.00091374	8.952E-11
16D16178	3.6 %	✓	11.145759	0.008021	0.004320	0.001732	0.000072	0.000004	129.320	12.894481	1.00091378	9.833E-11
16D16179	4.0 %	✓	11.131339	0.008559	0.002916	0.003524	0.000063	0.000007	129.326	12.895896	1.00091382	4.814E-11
16D16181	4.5 %	✓	11.147147	0.007975	0.005689	0.001468	0.000059	0.000003	129.337	12.898903	1.00091390	1.177E-10
16D16182	5.0 %	✓	11.143334	0.008013	0.006686	0.001864	0.000056	0.000004	129.344	12.900496	1.00091395	9.790E-11
16D16183	5.5 %	✓	11.140652	0.007953	0.006990	0.001465	0.000047	0.000003	129.349	12.901911	1.00091399	1.233E-10
16D16185	6.0 %	✓	11.147941	0.007865	0.006489	0.000805	0.000057	0.000002	129.362	12.905097	1.00091408	2.216E-10
16D16186	6.7 %	✓	11.148242	0.007937	0.006934	0.001342	0.000038	0.000003	129.367	12.906513	1.00091412	1.390E-10
16D16187	7.4 %	✓	11.148913	0.007884	0.007051	0.000997	0.000034	0.000002	129.374	12.908107	1.00091416	1.788E-10
16D16189	8.3 %		11.158313	0.007965	0.008128	0.001446	0.000033	0.000003	129.385	12.911117	1.00091424	1.192E-10
16D16190	9.5 %		11.163533	0.008019	0.006527	0.001787	0.000041	0.000004	129.391	12.912534	1.00091428	1.028E-10
16D16191	11.0 %		11.185725	0.008158	0.007432	0.002313	0.000024	0.000004	129.397	12.914128	1.00091433	8.012E-11
16D16193	13.0 %		11.202766	0.008605	0.010789	0.003898	0.000017	0.000007	129.409	12.917140	1.00091441	4.858E-11
16D16194	15.5 %		11.240089	0.008771	0.007977	0.003908	0.000049	0.000008	129.415	12.918557	1.00091445	4.562E-11
16D16196	18.5 %		11.268840	0.010663	0.002230	0.007731	0.000074	0.000015	129.426	12.921570	1.00091453	2.218E-11
16D16197	21.5 %		11.276115	0.011425	0.009214	0.008898	0.000105	0.000017	129.433	12.923165	1.00091458	2.024E-11
16D16199	23.0 %		11.337356	0.015185	0.015963	0.014872	0.000258	0.000029	129.444	12.926179	1.00091466	1.217E-11

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
16D16171	1.8 %	0.0062150 ± 0.0005666	0.0141413 ± 0.0176797	0.0523241 ± 0.0169247	0.0022985 ± 0.0157837	1.7513533 ± 0.1302744
16D16173	2.0 %	0.0064086 ± 0.0005666	0.0221646 ± 0.0176797	0.0480655 ± 0.0169247	0.0161604 ± 0.0157837	1.8014482 ± 0.1302744
16D16174	2.4 %	0.0064557 ± 0.0005666	0.0237626 ± 0.0176797	0.0460611 ± 0.0169247	0.0204555 ± 0.0157837	1.8120597 ± 0.1302744
16D16175	2.8 %	0.0064768 ± 0.0005666	0.0239991 ± 0.0176797	0.0444287 ± 0.0169247	0.0218701 ± 0.0157837	1.8157142 ± 0.1302744
16D16177	3.2 %	0.0064854 ± 0.0005666	0.0217887 ± 0.0176797	0.0414319 ± 0.0169247	0.0195125 ± 0.0157837	1.8143838 ± 0.1302744
16D16178	3.6 %	0.0064832 ± 0.0005666	0.0196090 ± 0.0176797	0.0401053 ± 0.0169247	0.0163581 ± 0.0157837	1.8127319 ± 0.1302744
16D16179	4.0 %	0.0064833 ± 0.0005666	0.0173328 ± 0.0176797	0.0390757 ± 0.0169247	0.0129780 ± 0.0157837	1.8125777 ± 0.1302744
16D16181	4.5 %	0.0065030 ± 0.0005666	0.0120860 ± 0.0176797	0.0373433 ± 0.0169247	0.0053653 ± 0.0157837	1.8203048 ± 0.1302744
16D16182	5.0 %	0.0065282 ± 0.0005666	0.0093811 ± 0.0176797	0.0366677 ± 0.0169247	0.0017181 ± 0.0157837	1.8301319 ± 0.1302744
16D16183	5.5 %	0.0065599 ± 0.0005666	0.0071589 ± 0.0176797	0.0362005 ± 0.0169247	0.0010179 ± 0.0157837	1.8424621 ± 0.1302744
16D16185	6.0 %	0.0066594 ± 0.0005666	0.0031355 ± 0.0176797	0.0355749 ± 0.0169247	0.0047646 ± 0.0157837	1.8813294 ± 0.1302744
16D16186	6.7 %	0.0067116 ± 0.0005666	0.0018799 ± 0.0176797	0.0354693 ± 0.0169247	0.0051907 ± 0.0157837	1.9022340 ± 0.1302744
16D16187	7.4 %	0.0067711 ± 0.0005666	0.0008943 ± 0.0176797	0.0354626 ± 0.0169247	0.0047223 ± 0.0157837	1.9268397 ± 0.1302744
16D16189	8.3 %	0.0068642 ± 0.0005666	0.0002300 ± 0.0176797	0.0357259 ± 0.0169247	0.0013054 ± 0.0157837	1.9700281 ± 0.1302744
16D16190	9.5 %	0.0068873 ± 0.0005666	0.0003938 ± 0.0176797	0.0359503 ± 0.0169247	0.0012423 ± 0.0157837	1.9852246 ± 0.1302744
16D16191	11.0 %	0.0068865 ± 0.0005666	0.0008543 ± 0.0176797	0.0362591 ± 0.0169247	0.0045815 ± 0.0157837	1.9950439 ± 0.1302744
16D16193	13.0 %	0.0067692 ± 0.0005666	0.0021345 ± 0.0176797	0.0369393 ± 0.0169247	0.0112421 ± 0.0157837	1.9809249 ± 0.1302744
16D16194	15.5 %	0.0066420 ± 0.0005666	0.0026984 ± 0.0176797	0.0372708 ± 0.0169247	0.0139651 ± 0.0157837	1.9535019 ± 0.1302744
16D16196	18.5 %	0.0061591 ± 0.0005666	0.0030696 ± 0.0176797	0.0379065 ± 0.0169247	0.0170188 ± 0.0157837	1.8330086 ± 0.1302744
16D16197	21.5 %	0.0057567 ± 0.0005666	0.0024088 ± 0.0176797	0.0381604 ± 0.0169247	0.0161420 ± 0.0157837	1.7258741 ± 0.1302744
16D16199	23.0 %	0.0046404 ± 0.0005666	0.0015852 ± 0.0176797	0.0383675 ± 0.0169247	0.0070318 ± 0.0157837	1.4174589 ± 0.1302744

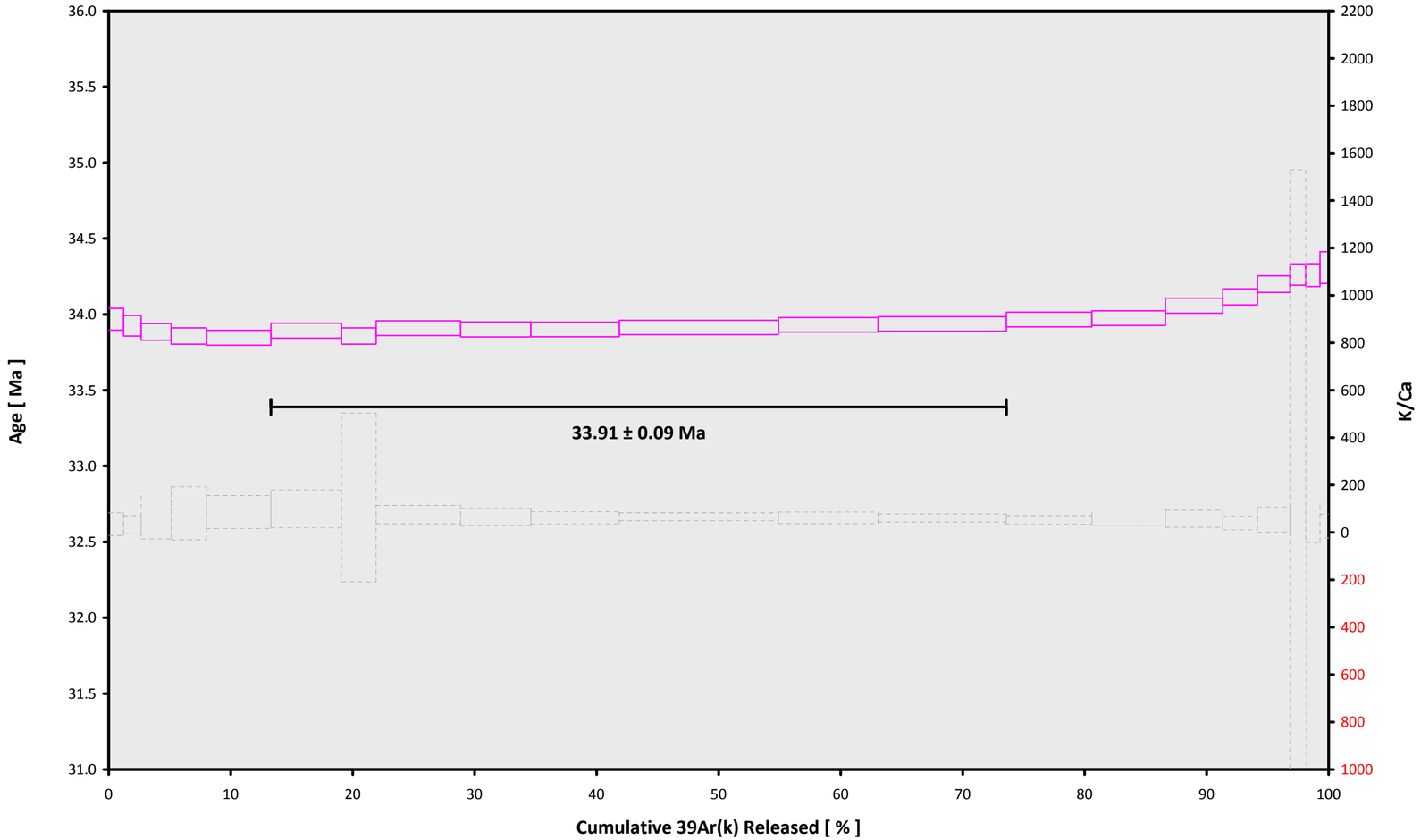
Intercept Values		36Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	37Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	38Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	39Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	40Ar ± 1σ (SE) [fA]	r2	Regression (type,n)
16D16171	1.8 %	0.0135904 ± 0.0002469	0.9359	EXP 150 of 150	0.0502578 ± 0.0174295	0.0114	EXP 150 of 150	0.4486645 ± 0.0170524	0.0700	EXP 150 of 150	38.343439 ± 0.016313	0.9958	EXP 150 of 150	435.09736 ± 0.03353	0.9993	EXP 150 of 150
16D16173	2.0 %	0.0134364 ± 0.0002404	0.9479	EXP 150 of 150	0.0667136 ± 0.0176030	0.0146	EXP 150 of 150	0.5043579 ± 0.0157021	0.0420	EXP 150 of 150	45.165545 ± 0.020225	0.9954	EXP 150 of 150	510.88392 ± 0.03943	0.9994	EXP 150 of 150
16D16174	2.4 %	0.0162026 ± 0.0002628	0.9643	EXP 150 of 150	0.0584518 ± 0.0160258	0.0013	EXP 150 of 150	0.9010863 ± 0.0150898	0.1357	EXP 150 of 150	77.720901 ± 0.019422	0.9986	EXP 150 of 150	876.19908 ± 0.05085	0.9998	EXP 150 of 150
16D16175	2.8 %	0.0143669 ± 0.0002737	0.9726	EXP 150 of 150	0.0614553 ± 0.0192337	0.0015	EXP 150 of 150	1.0515686 ± 0.0176041	0.0975	EXP 150 of 150	91.504717 ± 0.023042	0.9986	EXP 150 of 150	1029.36172 ± 0.05385	0.9998	EXP 150 of 150
16D16177	3.2 %	0.0187898 ± 0.0002890	0.9857	EXP 150 of 150	0.0852299 ± 0.0182906	0.0040	EXP 150 of 150	1.9348820 ± 0.0170068	0.2427	EXP 150 of 150	166.169486 ± 0.025063	0.9995	EXP 150 of 150	1866.78328 ± 0.08803	0.9999	EXP 150 of 150
16D16178	3.6 %	0.0192587 ± 0.0003439	0.9830	EXP 150 of 150	0.0798123 ± 0.0164404	0.0116	EXP 150 of 150	2.1427674 ± 0.0159253	0.4197	EXP 150 of 150	182.284712 ± 0.023916	0.9996	EXP 150 of 150	2050.35144 ± 0.07559	0.9999	EXP 150 of 150
16D16179	4.0 %	0.0119260 ± 0.0002837	0.9723	EXP 150 of 150	0.0372526 ± 0.0163341	0.0207	EXP 150 of 150	1.0350611 ± 0.0162471	0.0976	EXP 150 of 150	89.357119 ± 0.020576	0.9988	EXP 150 of 150	1004.66437 ± 0.04710	0.9998	EXP 150 of 150
16D16181	4.5 %	0.0189839 ± 0.0003567	0.9864	EXP 150 of 150	0.1069640 ± 0.0169250	0.0100	EXP 150 of 150	2.5407890 ± 0.0164590	0.3770	EXP 150 of 150	218.201182 ± 0.026782	0.9997	EXP 150 of 150	2454.45820 ± 0.07258	1.0000	EXP 150 of 150
16D16182	5.0 %	0.0163518 ± 0.0003271	0.9860	EXP 150 of 150	0.1021298 ± 0.0188613	0.0012	EXP 150 of 150	2.1613034 ± 0.0162111	0.4293	EXP 150 of 150	181.514511 ± 0.022711	0.9997	EXP 150 of 150	2041.43350 ± 0.08931	0.9999	EXP 150 of 150
16D16183	5.5 %	0.0169857 ± 0.0003692	0.9876	EXP 150 of 150	0.1292920 ± 0.0185147	0.0015	EXP 150 of 150	2.7131328 ± 0.0156650	0.5197	EXP 150 of 150	228.642804 ± 0.026576	0.9997	EXP 150 of 150	2570.42436 ± 0.07794	0.9999	EXP 150 of 150
16D16185	6.0 %	0.0292863 ± 0.0004081	0.9941	EXP 150 of 150	0.2066890 ± 0.0179999	0.0263	EXP 150 of 150	4.8503924 ± 0.0182382	0.6722	EXP 150 of 150	410.594006 ± 0.034441	0.9999	EXP 150 of 150	4617.56109 ± 0.11035	1.0000	EXP 150 of 150
16D16186	6.7 %	0.0162486 ± 0.0003828	0.9899	EXP 150 of 150	0.1383594 ± 0.0196047	0.0036	EXP 150 of 150	3.0087796 ± 0.0177882	0.4724	EXP 150 of 150	257.629224 ± 0.028694	0.9997	EXP 150 of 150	2898.13620 ± 0.08662	0.9999	EXP 150 of 150
16D16187	7.4 %	0.0177778 ± 0.0004040	0.9928	EXP 150 of 150	0.1793784 ± 0.0179887	0.0001	EXP 150 of 150	3.8851253 ± 0.0160985	0.6445	EXP 150 of 150	331.372325 ± 0.029638	0.9998	EXP 150 of 150	3727.37353 ± 0.10195	1.0000	EXP 150 of 150
16D16189	8.3 %	0.0140240 ± 0.0003695	0.9880	EXP 150 of 150	0.1372287 ± 0.0167711	0.0021	EXP 149 of 150	2.6308136 ± 0.0182370	0.4317	EXP 150 of 150	220.703738 ± 0.024947	0.9997	EXP 150 of 150	2485.29891 ± 0.08218	0.9999	EXP 150 of 150
16D16190	9.5 %	0.0144018 ± 0.0003514	0.9870	EXP 150 of 150	0.0951651 ± 0.0189792	0.0099	EXP 150 of 150	2.2293490 ± 0.0168667	0.3265	EXP 150 of 150	190.167215 ± 0.024427	0.9996	EXP 150 of 150	2142.69569 ± 0.06983	0.9999	EXP 150 of 150
16D16191	11.0 %	0.0102805 ± 0.0003086	0.9862	EXP 150 of 150	0.0848200 ± 0.0192356	0.0033	EXP 150 of 150	1.7273795 ± 0.0165515	0.2904	EXP 150 of 150	147.989843 ± 0.023464	0.9994	EXP 150 of 150	1671.18629 ± 0.06320	0.9999	EXP 150 of 150
16D16193	13.0 %	0.0082797 ± 0.0002393	0.9839	EXP 150 of 150	0.0759120 ± 0.0199440	0.0000	EXP 150 of 150	1.0305452 ± 0.0162674	0.1146	EXP 150 of 150	89.597012 ± 0.020415	0.9988	EXP 150 of 150	1013.99799 ± 0.05165	0.9998	EXP 150 of 150
16D16194	15.5 %	0.0106425 ± 0.0002798	0.9773	EXP 150 of 150	0.0537457 ± 0.0176866	0.0042	EXP 150 of 150	0.9492946 ± 0.0167471	0.1035	EXP 150 of 150	83.864234 ± 0.021249	0.9985	EXP 150 of 150	952.33450 ± 0.04847	0.9998	EXP 150 of 150
16D16196	18.5 %	0.0090675 ± 0.0002285	0.9704	EXP 150 of 150	0.0099887 ± 0.0162124	0.0058	EXP 149 of 150	0.4466197 ± 0.0165531	0.0387	EXP 150 of 150	40.678990 ± 0.016810	0.9959	EXP 150 of 150	463.88540 ± 0.03722	0.9988	EXP 150 of 150
16D16197	21.5 %	0.0095340 ± 0.0002616	0.9614	EXP 150 of 150	0.0284819 ± 0.0179271	0.0046	EXP 150 of 150	0.4027986 ± 0.0150744	0.0116	EXP 150 of 150	37.106626 ± 0.018718	0.9937	EXP 150 of 150	423.46664 ± 0.03651	0.9983	EXP 150 of 150
16D16199	23.0 %	0.0102021 ± 0.0002354	0.9525	EXP 150 of 150	0.0254185 ± 0.0178973	0.0028	EXP 150 of 150	0.2414921 ± 0.0150160	0.0359	EXP 150 of 150	22.184334 ± 0.016024	0.9863	EXP 150 of 150	254.95609 ± 0.02949	0.9811	EXP 150 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
16D16171	1.8 %	Susan Schnur	15-OSU-07	0.00	0.00	27.61	Walvis Ridge\MV1203 (13-INT-04)	16D16167	01
16D16173	2.0 %	Susan Schnur	15-OSU-07	0.00	0.00	27.61	Walvis Ridge\MV1203 (13-INT-04)	16D16167	01
16D16174	2.4 %	Susan Schnur	15-OSU-07	0.00	0.00	27.61	Walvis Ridge\MV1203 (13-INT-04)	16D16167	01
16D16175	2.8 %	Susan Schnur	15-OSU-07	0.00	0.00	27.61	Walvis Ridge\MV1203 (13-INT-04)	16D16167	01
16D16177	3.2 %	Susan Schnur	15-OSU-07	0.00	0.00	27.61	Walvis Ridge\MV1203 (13-INT-04)	16D16167	01
16D16178	3.6 %	Susan Schnur	15-OSU-07	0.00	0.00	27.61	Walvis Ridge\MV1203 (13-INT-04)	16D16167	01
16D16179	4.0 %	Susan Schnur	15-OSU-07	0.00	0.00	27.61	Walvis Ridge\MV1203 (13-INT-04)	16D16167	01
16D16181	4.5 %	Susan Schnur	15-OSU-07	0.00	0.00	27.61	Walvis Ridge\MV1203 (13-INT-04)	16D16167	01
16D16182	5.0 %	Susan Schnur	15-OSU-07	0.00	0.00	27.61	Walvis Ridge\MV1203 (13-INT-04)	16D16167	01
16D16183	5.5 %	Susan Schnur	15-OSU-07	0.00	0.00	27.61	Walvis Ridge\MV1203 (13-INT-04)	16D16167	01
16D16185	6.0 %	Susan Schnur	15-OSU-07	0.00	0.00	27.61	Walvis Ridge\MV1203 (13-INT-04)	16D16167	01
16D16186	6.7 %	Susan Schnur	15-OSU-07	0.00	0.00	27.61	Walvis Ridge\MV1203 (13-INT-04)	16D16167	01
16D16187	7.4 %	Susan Schnur	15-OSU-07	0.00	0.00	27.61	Walvis Ridge\MV1203 (13-INT-04)	16D16167	01
16D16189	8.3 %	Susan Schnur	15-OSU-07	0.00	0.00	27.61	Walvis Ridge\MV1203 (13-INT-04)	16D16167	01
16D16190	9.5 %	Susan Schnur	15-OSU-07	0.00	0.00	27.61	Walvis Ridge\MV1203 (13-INT-04)	16D16167	01
16D16191	11.0 %	Susan Schnur	15-OSU-07	0.00	0.00	27.61	Walvis Ridge\MV1203 (13-INT-04)	16D16167	01
16D16193	13.0 %	Susan Schnur	15-OSU-07	0.00	0.00	27.61	Walvis Ridge\MV1203 (13-INT-04)	16D16167	01
16D16194	15.5 %	Susan Schnur	15-OSU-07	0.00	0.00	27.61	Walvis Ridge\MV1203 (13-INT-04)	16D16167	01
16D16196	18.5 %	Susan Schnur	15-OSU-07	0.00	0.00	27.61	Walvis Ridge\MV1203 (13-INT-04)	16D16167	01
16D16197	21.5 %	Susan Schnur	15-OSU-07	0.00	0.00	27.61	Walvis Ridge\MV1203 (13-INT-04)	16D16167	01
16D16199	23.0 %	Susan Schnur	15-OSU-07	0.00	0.00	27.61	Walvis Ridge\MV1203 (13-INT-04)	16D16167	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
16D16171	1.8 %	MV1203-D27-08	K-Feldspar	Right Guyot	FCT-NM (7B16-15)	28.201	0.082	Kuiper et al (2008)	9.23886	0.139	0.00170123	0.139	304.522	0.16	0.9925837	0.070	1	4.8E-14	25	APR	2016	21	10	1
16D16173	2.0 %	MV1203-D27-08	K-Feldspar	Right Guyot	FCT-NM (7B16-15)	28.201	0.082	Kuiper et al (2008)	9.23886	0.139	0.00170123	0.139	304.522	0.16	0.9925837	0.070	1	4.8E-14	25	APR	2016	21	27	1
16D16174	2.4 %	MV1203-D27-08	K-Feldspar	Right Guyot	FCT-NM (7B16-15)	28.201	0.082	Kuiper et al (2008)	9.23886	0.139	0.00170123	0.139	304.522	0.16	0.9925837	0.070	1	4.8E-14	25	APR	2016	21	36	1
16D16175	2.8 %	MV1203-D27-08	K-Feldspar	Right Guyot	FCT-NM (7B16-15)	28.201	0.082	Kuiper et al (2008)	9.23886	0.139	0.00170123	0.139	304.522	0.16	0.9925837	0.070	1	4.8E-14	25	APR	2016	21	44	1
16D16177	3.2 %	MV1203-D27-08	K-Feldspar	Right Guyot	FCT-NM (7B16-15)	28.201	0.082	Kuiper et al (2008)	9.23886	0.139	0.00170123	0.139	304.522	0.16	0.9925837	0.070	1	4.8E-14	25	APR	2016	22	1	1
16D16178	3.6 %	MV1203-D27-08	K-Feldspar	Right Guyot	FCT-NM (7B16-15)	28.201	0.082	Kuiper et al (2008)	9.23886	0.139	0.00170123	0.139	304.522	0.16	0.9925837	0.070	1	4.8E-14	25	APR	2016	22	10	1
16D16179	4.0 %	MV1203-D27-08	K-Feldspar	Right Guyot	FCT-NM (7B16-15)	28.201	0.082	Kuiper et al (2008)	9.23886	0.139	0.00170123	0.139	304.522	0.16	0.9925837	0.070	1	4.8E-14	25	APR	2016	22	18	1
16D16181	4.5 %	MV1203-D27-08	K-Feldspar	Right Guyot	FCT-NM (7B16-15)	28.201	0.082	Kuiper et al (2008)	9.23886	0.139	0.00170123	0.139	304.522	0.16	0.9925837	0.070	1	4.8E-14	25	APR	2016	22	35	1
16D16182	5.0 %	MV1203-D27-08	K-Feldspar	Right Guyot	FCT-NM (7B16-15)	28.201	0.082	Kuiper et al (2008)	9.23886	0.139	0.00170123	0.139	304.522	0.16	0.9925837	0.070	1	4.8E-14	25	APR	2016	22	44	1
16D16183	5.5 %	MV1203-D27-08	K-Feldspar	Right Guyot	FCT-NM (7B16-15)	28.201	0.082	Kuiper et al (2008)	9.23886	0.139	0.00170123	0.139	304.522	0.16	0.9925837	0.070	1	4.8E-14	25	APR	2016	22	52	1
16D16185	6.0 %	MV1203-D27-08	K-Feldspar	Right Guyot	FCT-NM (7B16-15)	28.201	0.082	Kuiper et al (2008)	9.23886	0.139	0.00170123	0.139	304.522	0.16	0.9925837	0.070	1	4.8E-14	25	APR	2016	23	10	1
16D16186	6.7 %	MV1203-D27-08	K-Feldspar	Right Guyot	FCT-NM (7B16-15)	28.201	0.082	Kuiper et al (2008)	9.23886	0.139	0.00170123	0.139	304.522	0.16	0.9925837	0.070	1	4.8E-14	25	APR	2016	23	18	1
16D16187	7.4 %	MV1203-D27-08	K-Feldspar	Right Guyot	FCT-NM (7B16-15)	28.201	0.082	Kuiper et al (2008)	9.23886	0.139	0.00170123	0.139	304.522	0.16	0.9925837	0.070	1	4.8E-14	25	APR	2016	23	27	1
16D16189	8.3 %	MV1203-D27-08	K-Feldspar	Right Guyot	FCT-NM (7B16-15)	28.201	0.082	Kuiper et al (2008)	9.23886	0.139	0.00170123	0.139	304.522	0.16	0.9925837	0.070	1	4.8E-14	25	APR	2016	23	44	1
16D16190	9.5 %	MV1203-D27-08	K-Feldspar	Right Guyot	FCT-NM (7B16-15)	28.201	0.082	Kuiper et al (2008)	9.23886	0.139	0.00170123	0.139	304.522	0.16	0.9925837	0.070	1	4.8E-14	25	APR	2016	23	52	1
16D16191	11.0 %	MV1203-D27-08	K-Feldspar	Right Guyot	FCT-NM (7B16-15)	28.201	0.082	Kuiper et al (2008)	9.23886	0.139	0.00170123	0.139	304.522	0.16	0.9925837	0.070	1	4.8E-14	26	APR	2016	0	1	1
16D16193	13.0 %	MV1203-D27-08	K-Feldspar	Right Guyot	FCT-NM (7B16-15)	28.201	0.082	Kuiper et al (2008)	9.23886	0.139	0.00170123	0.139	304.522	0.16	0.9925837	0.070	1	4.8E-14	26	APR	2016	0	18	1
16D16194	15.5 %	MV1203-D27-08	K-Feldspar	Right Guyot	FCT-NM (7B16-15)	28.201	0.082	Kuiper et al (2008)	9.23886	0.139	0.00170123	0.139	304.522	0.16	0.9925837	0.070	1	4.8E-14	26	APR	2016	0	26	1
16D16196	18.5 %	MV1203-D27-08	K-Feldspar	Right Guyot	FCT-NM (7B16-15)	28.201	0.082	Kuiper et al (2008)	9.23886	0.139	0.00170123	0.139	304.522	0.16	0.9925837	0.070	1	4.8E-14	26	APR	2016	0	43	1
16D16197	21.5 %	MV1203-D27-08	K-Feldspar	Right Guyot	FCT-NM (7B16-15)	28.201	0.082	Kuiper et al (2008)	9.23886	0.139	0.00170123	0.139	304.522	0.16	0.9925837	0.070	1	4.8E-14	26	APR	2016	0	52	1
16D16199	23.0 %	MV1203-D27-08	K-Feldspar	Right Guyot	FCT-NM (7B16-15)	28.201	0.082	Kuiper et al (2008)	9.23886	0.139	0.00170123	0.139	304.522	0.16	0.9925837	0.070	1	4.8E-14	26	APR	2016	1	9	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
16D16171	1.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D16173	2.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D16174	2.4 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D16175	2.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D16177	3.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D16178	3.6 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D16179	4.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D16181	4.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D16182	5.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D16183	5.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D16185	6.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D16186	6.7 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D16187	7.4 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D16189	8.3 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D16190	9.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D16191	11.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D16193	13.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D16194	15.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D16196	18.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D16197	21.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D16199	23.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0

16D16167.AGE >>> MV1203-D27-08 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
33.91 ± 0.09
TOTAL FUSION
33.95 ± 0.09
NORMAL ISOCHRON
33.98 ± 0.12
INVERSE ISOCHRON
33.98 ± 0.12

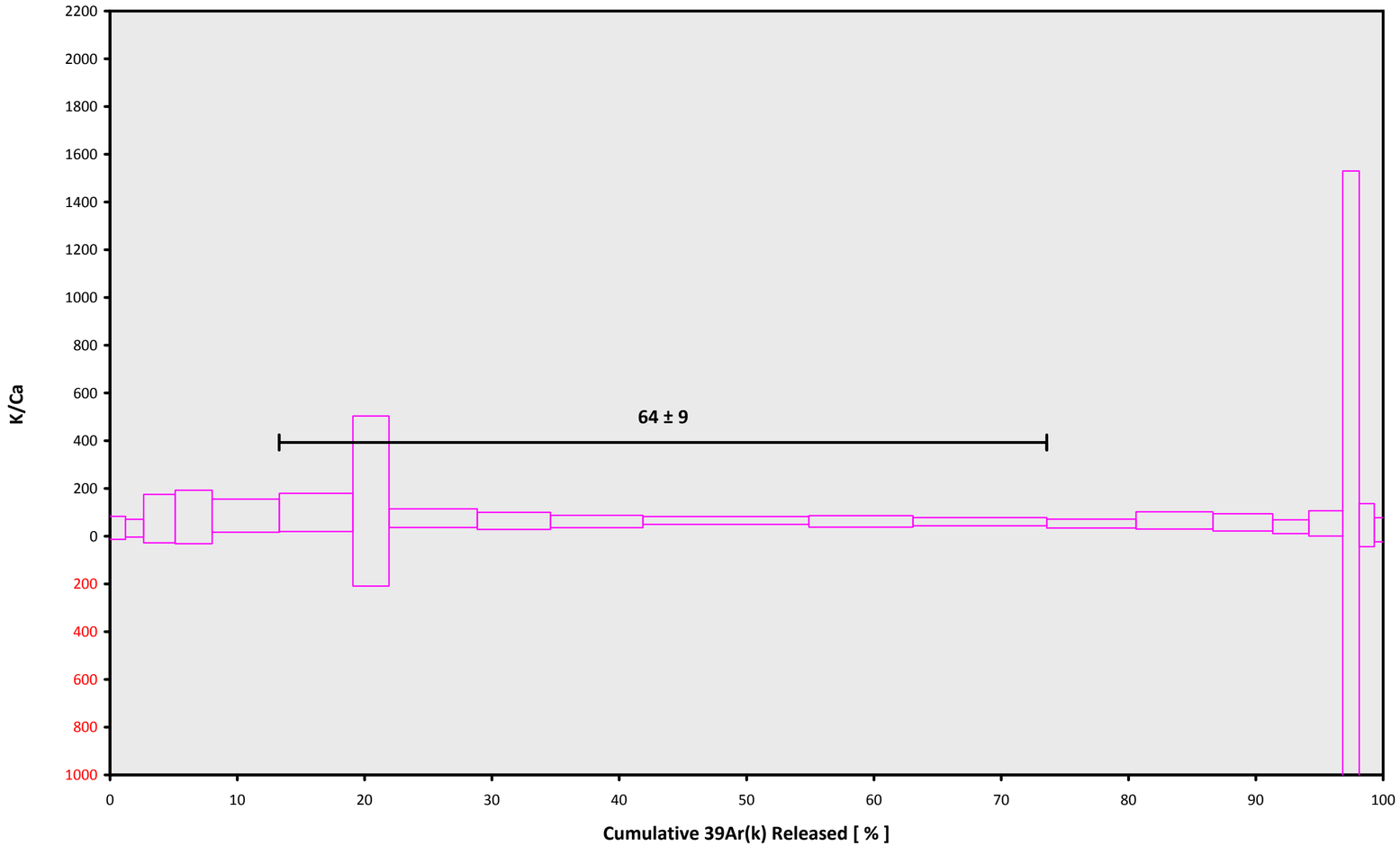
MSWD (PROBABILITY)
0.95 (47%)

Sample Info

K-Feldspar
Right Guyot
Susan Schnur

IRR = 15-OSU-07 (7B16-15)
J = 0.00170123 ± 0.00000236

16D16167.AGE >>> MV1203-D27-08 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

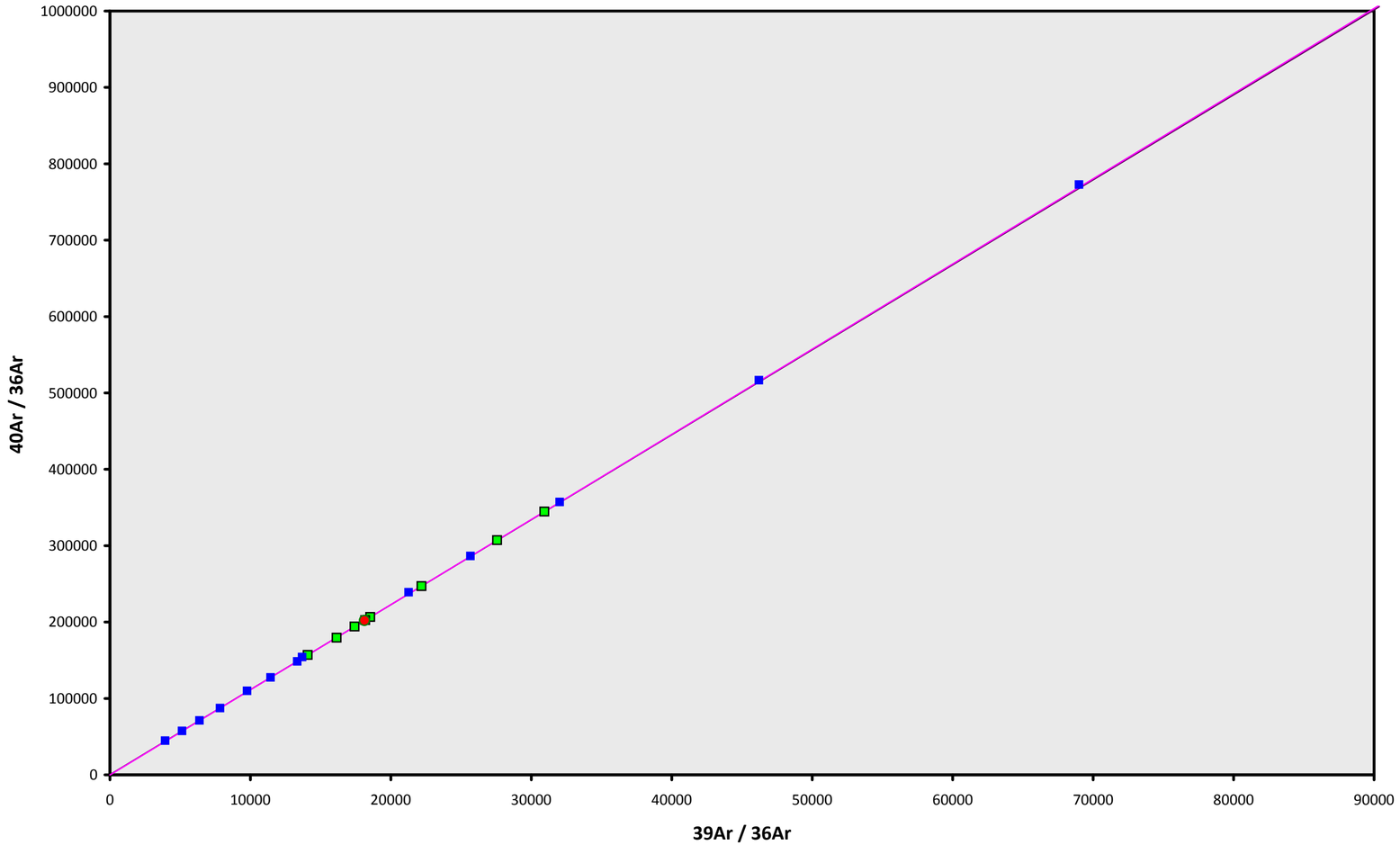
WEIGHTED PLATEAU
33.91 ± 0.09
TOTAL FUSION
33.95 ± 0.09
NORMAL ISOCHRON
33.98 ± 0.12
INVERSE ISOCHRON
33.98 ± 0.12

Sample Info

K-Feldspar
Right Guyot
Susan Schnur

IRR = 15-OSU-07 (7B16-15)
J = 0.00170123 ± 0.00000236

16D16167.AGE >>> MV1203-D27-08 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
33.91 ± 0.09
TOTAL FUSION
33.95 ± 0.09
NORMAL ISOCHRON
33.98 ± 0.12
INVERSE ISOCHRON
33.98 ± 0.12

MSWD (PROBABILITY)
0.48 (83%)

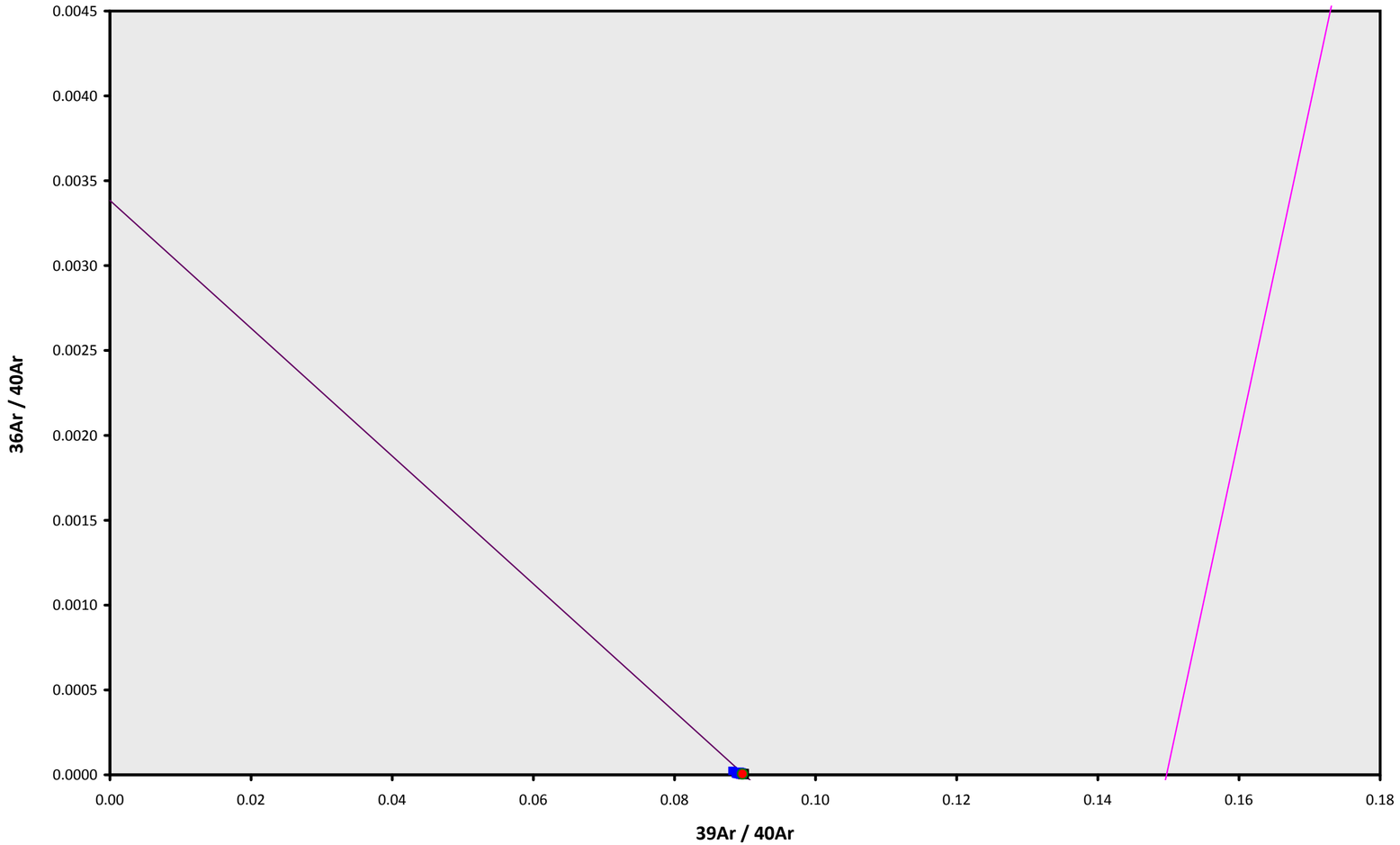
40AR/36AR INTERCEPT
-205.0 ± 468.1 (NEG)

Sample Info

K-Feldspar
Right Guyot
Susan Schnur

IRR = 15-OSU-07 (7B16-15)
J = 0.00170123 ± 0.00000236

16D16167.AGE >>> MV1203-D27-08 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
33.91 ± 0.09
TOTAL FUSION
33.95 ± 0.09
NORMAL ISOCHRON
33.98 ± 0.12
INVERSE ISOCHRON
33.98 ± 0.12

MSWD (PROBABILITY)
0.49 (81%)

SPREADING FACTOR
0.2%

40AR/36AR INTERCEPT
-173.9 ± 187.9 (NEG)

Sample Info

K-Feldspar
Right Guyot
Susan Schnur

IRR = 15-OSU-07 (7B16-15)
J = 0.00170123 ± 0.00000236