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
16D10440	1.0 %		0.0068565	3.742	0.123851	116.089	0.085910	26.883	8.5117	0.278	14.9534	0.285	1.51379 ± 0.02226	4.20 ± 0.06	86.17	0.28	30 ± 69
16D10442	1.4 %		0.0098413	2.647	0.268110	51.962	0.248628	9.368	19.3597	0.131	32.1229	0.134	1.50636 ± 0.01000	4.18 ± 0.03	90.78	0.64	31 ± 32
16D10443	1.8 %		0.0094098	2.706	0.085405	179.981	0.493484	4.832	41.6571	0.087	66.1695	0.066	1.51802 ± 0.00497	4.21 ± 0.01	95.57	1.38	210 ± 755
16D10445	2.0 %		0.0055023	4.496	0.148289	96.255	0.372003	6.356	32.1396	0.102	50.4437	0.087	1.51547 ± 0.00618	4.21 ± 0.02	96.56	1.06	93 ± 179
16D10446	2.4 %		0.0123107	2.253	0.293219	47.384	0.688199	3.545	56.6548	0.080	90.1039	0.049	1.52278 ± 0.00411	4.23 ± 0.01	95.75	1.88	83 ± 79
16D10447	2.8 %		0.0104551	2.481	0.659377	22.547	1.131308	2.015	91.1973	0.073	142.5920	0.032	1.52645 ± 0.00298	4.24 ± 0.01	97.63	3.02	59 ± 27
16D10449	3.2 %		0.0075341	3.504	0.416166	33.401	1.085776	2.247	88.6281	0.073	138.0405	0.033	1.52896 ± 0.00303	4.24 ± 0.01	98.17	2.93	92 ± 61
16D10450	3.6 %		0.0071203	3.801	0.419603	35.061	0.970233	2.302	80.5477	0.074	125.0417	0.037	1.52286 ± 0.00324	4.23 ± 0.01	98.10	2.67	83 ± 58
16D10451	4.0 %		0.0088544	3.059	0.693263	21.304	1.403605	1.688	118.0846	0.071	183.2120	0.025	1.52602 ± 0.00268	4.24 ± 0.01	98.36	3.91	73 ± 31
16D10453	4.5 %		0.0069457	3.684	0.477257	32.935	1.172147	1.996	96.4334	0.072	149.5923	0.031	1.52654 ± 0.00290	4.24 ± 0.01	98.41	3.19	87 ± 57
16D10454	5.0 %		0.0089385	3.424	1.021969	14.341	1.629463	1.437	133.2152	0.070	206.2919	0.023	1.52553 ± 0.00264	4.24 ± 0.01	98.51	4.41	56 ± 16
16D10455	5.5 %		0.0098035	2.851	0.990135	14.577	1.735344	1.337	143.9265	0.070	223.3068	0.022	1.52813 ± 0.00253	4.24 ± 0.01	98.49	4.76	63 ± 18
16D10457	6.0 %		0.0095307	2.759	1.101806	13.768	1.767226	1.347	143.5257	0.070	222.7035	0.021	1.52884 ± 0.00249	4.24 ± 0.01	98.53	4.75	56 ± 15
16D10458	6.7 %		0.0158854	1.998	0.983590	14.705	1.702331	1.371	138.9782	0.070	217.7557	0.021	1.52981 ± 0.00264	4.25 ± 0.01	97.64	4.60	61 ± 18
16D10459	7.4 %	✓	0.0196720	1.674	1.081389	12.864	2.354678	1.032	193.1992	0.069	302.7639	0.017	1.53365 ± 0.00240	4.26 ± 0.01	97.86	6.40	77 ± 20
16D10461	8.3 %	✓	0.0144770	2.133	1.293799	10.969	2.399914	1.023	197.3227	0.069	307.6158	0.016	1.53397 ± 0.00237	4.26 ± 0.01	98.40	6.53	66 ± 14
16D10462	9.5 %	✓	0.0212299	1.647	1.456148	9.778	2.854971	0.866	235.5518	0.068	369.4714	0.014	1.53858 ± 0.00233	4.27 ± 0.01	98.09	7.80	70 ± 14
16D10463	11.0 %	✓	0.0193972	1.788	1.848576	7.667	3.381141	0.698	271.8913	0.068	423.3443	0.012	1.53269 ± 0.00226	4.25 ± 0.01	98.44	9.00	63 ± 10
16D10465	13.0 %	✓	0.0308590	1.265	2.128058	6.486	3.983256	0.636	326.7629	0.068	512.0968	0.010	1.53598 ± 0.00223	4.26 ± 0.01	98.01	10.82	66 ± 9
16D10466	15.5 %	✓	0.0147951	1.999	1.370892	10.944	2.644792	0.911	216.2522	0.068	337.1581	0.015	1.53557 ± 0.00230	4.26 ± 0.01	98.49	7.16	68 ± 15
16D10468	18.5 %		0.0041858	6.320	0.995424	14.603	1.876469	1.207	154.8700	0.069	240.0404	0.020	1.53865 ± 0.00245	4.27 ± 0.01	99.27	5.13	67 ± 20
16D10469	21.5 %		0.0090607	3.168	0.913507	15.540	2.057529	1.209	170.8417	0.069	266.6927	0.018	1.54198 ± 0.00243	4.28 ± 0.01	98.78	5.66	80 ± 25
16D10471	24.5 %		0.0016495	14.327	0.304896	51.043	0.711740	3.518	61.1892	0.078	95.4680	0.046	1.54882 ± 0.00366	4.30 ± 0.01	99.27	2.03	86 ± 88
		Σ	0.2643144	0.524	18.827025	3.703	36.750147	0.311	3020.7409	0.017	4716.9811	0.005					

Information on Analysis and Constants Used in Calculations

Project = **MV1203 (13-INT-04)**
Sample = **MV1203-D20B-06**
Material = **K-Feldspar**
Location = **Humpback Seamount**
Region = **Walvis Ridge**
Analyst = **Susan Schnur**
Irradiation = **15-OSU-07 (7A38-15)**
Position = **X: 0 | Y: 0 | Z/H: 64 mm**
FCT-NM Age = **28.201 ± 0.023 Ma**
FCT-NM Reference = **Kuiper et al (2008)**
FCT-NM 40Ar/39Ar Ratio = **10.22605 ± 0.01421**
FCT-NM J-value = **0.00153700 ± 0.00000214**
Air Shot 40Ar/36Ar = **304.7500 ± 0.4175**
Air Shot MDF = **0.99240201 ± 0.00066446 (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 = **IESS10073**
Rock Class = **Igneous>Volcanic>Mafic**
Lithology = **Phonolite**
Lat-Lon = **33°34.7'S - 2°23.9'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

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (%,n)	K/Ca ± 2σ
Age Plateau		1.53508 ± 0.00172	**4.26 ± 0.01**	3.33	47.70	67 ± 5
Error Mean		± 0.11%	**± 0.30%**	1%	6	
		Full External Error ± 0.10		2.26	2σ Confidence Limit	
		Analytical Error ± 0.00		1.8246	Error Magnification	
Total Fusion Age		1.53235 ± 0.00061	**4.25 ± 0.01**		23	69 ± 5
		± 0.04%	**± 0.28%**			
		Full External Error ± 0.10				
		Analytical Error ± 0.00				
Normal Isochron	**347.31 ± 143.33**	1.53081 ± 0.01181	**4.25 ± 0.03**	3.60	47.70	
Error Chron	**± 41.27%**	± 0.77%	**± 0.82%**	1%	6	
		Full External Error ± 0.10		2.41	2σ Confidence Limit	
		Analytical Error ± 0.03		1.8968	Error Magnification	
				1	Number of Iterations	
				0.0000002822	Convergence	
Inverse Isochron	**351.59 ± 137.57**	1.53053 ± 0.01192	**4.25 ± 0.04**	3.63	47.70	
Error Chron	**± 39.13%**	± 0.78%	**± 0.83%**	1%	6	
		Full External Error ± 0.10		2.41	2σ Confidence Limit	
		Analytical Error ± 0.03		1.9045	Error Magnification	
				4	Number of Iterations	
Notes				0.0011393475	Convergence	
Plateau region slants upwards, two small plateaus at low and high-T.				1%	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
16D10440	1.0 %		0.0068895	0.123851	0.0000000	8.5118	12.8850	4.20 ± 0.06	86.17	0.28	30 ± 69
16D10442	1.4 %		0.0097680	0.268110	0.0138679	19.3596	29.1624	4.18 ± 0.03	90.78	0.64	31 ± 32
16D10443	1.8 %		0.0093870	0.085405	0.0000000	41.6571	63.2364	4.21 ± 0.01	95.57	1.38	210 ± 755
16D10445	2.0 %		0.0054628	0.148289	0.0000000	32.1395	48.7065	4.21 ± 0.02	96.56	1.06	93 ± 179
16D10446	2.4 %		0.0122320	0.293219	0.0042807	56.6546	86.2727	4.23 ± 0.01	95.75	1.88	83 ± 79
16D10447	2.8 %		0.0102750	0.659377	0.0321506	91.1969	139.2071	4.24 ± 0.01	97.63	3.02	59 ± 27
16D10449	3.2 %		0.0074207	0.416166	0.0180778	88.6278	135.5089	4.24 ± 0.01	98.17	2.93	92 ± 61
16D10450	3.6 %		0.0070085	0.419603	0.0000000	80.5474	122.6627	4.23 ± 0.01	98.10	2.67	83 ± 58
16D10451	4.0 %		0.0086698	0.693263	0.0000000	118.0842	180.1987	4.24 ± 0.01	98.36	3.91	73 ± 31
16D10453	4.5 %		0.0068171	0.477257	0.0106519	96.4331	147.2091	4.24 ± 0.01	98.41	3.19	87 ± 57
16D10454	5.0 %		0.0086628	1.021969	0.0250658	133.2146	203.2227	4.24 ± 0.01	98.51	4.41	56 ± 16
16D10455	5.5 %		0.0095395	0.990135	0.0019176	143.9259	219.9376	4.24 ± 0.01	98.49	4.76	63 ± 18
16D10457	6.0 %		0.0092319	1.101806	0.0386736	143.5249	219.4268	4.24 ± 0.01	98.53	4.75	56 ± 15
16D10458	6.7 %		0.0156197	0.983590	0.0273021	138.9775	212.6088	4.25 ± 0.01	97.64	4.60	61 ± 18
16D10459	7.4 %	✓	0.0193803	1.081389	0.0266075	193.1985	296.2984	4.26 ± 0.01	97.86	6.40	77 ± 20
16D10461	8.3 %	✓	0.0141292	1.293799	0.0232011	197.3219	302.6862	4.26 ± 0.01	98.40	6.53	66 ± 14
16D10462	9.5 %	✓	0.0208398	1.456148	0.0170592	235.5508	362.4127	4.27 ± 0.01	98.09	7.80	70 ± 14
16D10463	11.0 %	✓	0.0188900	1.848576	0.1063678	271.8901	416.7229	4.25 ± 0.01	98.44	9.00	63 ± 10
16D10465	13.0 %	✓	0.0302858	2.128058	0.0461757	326.7614	501.8982	4.26 ± 0.01	98.01	10.82	66 ± 9
16D10466	15.5 %	✓	0.0144243	1.370892	0.0402783	216.2513	332.0690	4.26 ± 0.01	98.49	7.16	68 ± 15
16D10468	18.5 %		0.0039190	0.995424	0.0124327	154.8693	238.2903	4.27 ± 0.01	99.27	5.13	67 ± 20
16D10469	21.5 %		0.0088174	0.913507	0.0004261	170.8411	263.4340	4.28 ± 0.01	98.78	5.66	80 ± 25
16D10471	24.5 %		0.0015683	0.304896	0.0000000	61.1890	94.7707	4.30 ± 0.01	99.27	2.03	86 ± 88
		Σ	0.2592384	18.827025	0.4445365	3020.7282	4628.8279				

Information on Analysis

Project = **MV1203 (13-INT-04)**
Sample = **MV1203-D20B-06**
Material = **K-Feldspar**
Location = **Humpback Seamount**
Region = **Walvis Ridge**
Analyst = **Susan Schnur**
Irradiation = **15-OSU-07 (7A38-15)**
J = **0.00153700 ± 0.00000214**
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	1.53508	± 0.00172	**4.26**	**± 0.01**	3.33	47.70	67 ± 5
Error Mean		± 0.11%		**± 0.30%**	1%	6	
		Full External Error		± 0.10	2.26	2σ Confidence Limit	
		Analytical Error		± 0.00	1.8246	Error Magnification	
Total Fusion Age	1.53235	± 0.00061	**4.25**	**± 0.01**		23	69 ± 5
		± 0.04%		**± 0.28%**			
		Full External Error		± 0.10			
		Analytical Error		± 0.00			

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
16D10440	1.0 %		1235.47 ± 93.29	2165.74 ± 163.55	0.9944
16D10442	1.4 %		1981.94 ± 106.92	3281.01 ± 177.02	0.9976
16D10443	1.8 %		4437.74 ± 243.98	7032.08 ± 386.52	0.9992
16D10445	2.0 %		5883.31 ± 539.27	9211.49 ± 844.28	0.9996
16D10446	2.4 %		4631.67 ± 212.03	7348.54 ± 336.28	0.9992
16D10447	2.8 %		8875.59 ± 453.54	13843.61 ± 707.18	0.9995
16D10449	3.2 %		11943.33 ± 858.43	18556.43 ± 1333.53	0.9998
16D10450	3.6 %		11492.77 ± 896.92	17797.42 ± 1388.76	0.9998
16D10451	4.0 %		13620.23 ± 860.21	21080.23 ± 1331.06	0.9997
16D10453	4.5 %		14145.73 ± 1076.31	21889.55 ± 1665.27	0.9998
16D10454	5.0 %		15377.73 ± 1095.78	23754.68 ± 1692.42	0.9998
16D10455	5.5 %		15087.33 ± 892.64	23350.92 ± 1381.20	0.9997
16D10457	6.0 %		15546.64 ± 896.35	24063.85 ± 1387.05	0.9997
16D10458	6.7 %		8897.60 ± 364.43	13907.10 ± 569.31	0.9994
16D10459	7.4 %	✓	9968.79 ± 341.15	15584.11 ± 532.92	0.9991
16D10461	8.3 %	✓	13965.58 ± 615.21	21718.30 ± 956.30	0.9995
16D10462	9.5 %	✓	11302.94 ± 381.77	17685.93 ± 596.90	0.9991
16D10463	11.0 %	✓	14393.37 ± 532.02	22356.06 ± 825.80	0.9993
16D10465	13.0 %	✓	10789.27 ± 279.66	16867.58 ± 436.63	0.9986
16D10466	15.5 %	✓	14992.12 ± 620.68	23316.95 ± 964.83	0.9994
16D10468	18.5 %		39517.98 ± 5392.63	61100.01 ± 8337.33	0.9999
16D10469	21.5 %		19375.50 ± 1272.79	30172.19 ± 1981.63	0.9998
16D10471	24.5 %		39015.43 ± 11938.18	60723.36 ± 18580.35	1.0000

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	**347.31 ± 143.33**	1.53081 ± 0.01181	**4.25 ± 0.03**	3.60
Error Chron	**± 41.27%**	± 0.77%	**± 0.82%**	1%
			Full External Error ± 0.10	
			Analytical Error ± 0.03	

Statistics				
	2σ Confidence Limit	2.41	Convergence	0.000000282206
	Error Magnification	1.8968	Number of Iterations	1
	Number of Data Points	6	Calculated Line	Weighted York-2

Inverse Isochron			39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
16D10440	1.0 %		0.5704620 ± 0.0045479	0.00046174 ± 0.00003487	0.0544
16D10442	1.4 %		0.6040643 ± 0.0022675	0.00030478 ± 0.00001644	0.0358
16D10443	1.8 %		0.6310702 ± 0.0013770	0.00014221 ± 0.00000782	0.0146
16D10445	2.0 %		0.6386925 ± 0.0017166	0.00010856 ± 0.00000995	0.0124
16D10446	2.4 %		0.6302847 ± 0.0011853	0.00013608 ± 0.00000623	0.0115
16D10447	2.8 %		0.6411329 ± 0.0010261	0.00007224 ± 0.00000369	0.0053
16D10449	3.2 %		0.6436221 ± 0.0010320	0.00005389 ± 0.00000387	0.0040
16D10450	3.6 %		0.6457548 ± 0.0010727	0.00005619 ± 0.00000438	0.0044
16D10451	4.0 %		0.6461139 ± 0.0009755	0.00004744 ± 0.00000300	0.0028
16D10453	4.5 %		0.6462320 ± 0.0010235	0.00004568 ± 0.00000348	0.0034
16D10454	5.0 %		0.6473558 ± 0.0009579	0.00004210 ± 0.00000300	0.0022
16D10455	5.5 %		0.6461128 ± 0.0009478	0.00004282 ± 0.00000253	0.0024
16D10457	6.0 %		0.6460581 ± 0.0009438	0.00004156 ± 0.00000240	0.0023
16D10458	6.7 %		0.6397879 ± 0.0009444	0.00007191 ± 0.00000294	0.0033
16D10459	7.4 %	✓	0.6396764 ± 0.0009079	0.00006417 ± 0.00000219	0.0027
16D10461	8.3 %	✓	0.6430325 ± 0.0009107	0.00004604 ± 0.00000203	0.0020
16D10462	9.5 %	✓	0.6390924 ± 0.0008929	0.00005654 ± 0.00000191	0.0020
16D10463	11.0 %	✓	0.6438242 ± 0.0008933	0.00004473 ± 0.00000165	0.0015
16D10465	13.0 %	✓	0.6396456 ± 0.0008804	0.00005929 ± 0.00000153	0.0017
16D10466	15.5 %	✓	0.6429710 ± 0.0009017	0.00004289 ± 0.00000177	0.0018
16D10468	18.5 %		0.6467753 ± 0.0009381	0.00001637 ± 0.00000223	0.0009
16D10469	21.5 %		0.6421644 ± 0.0009204	0.00003314 ± 0.00000218	0.0015
16D10471	24.5 %		0.6425111 ± 0.0011739	0.00001647 ± 0.00000504	0.0016

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	**351.59 ± 137.57**	1.53053 ± 0.01192	**4.25 ± 0.04**	3.63
Error Chron	**± 39.13%**	± 0.78%	**± 0.83%**	1%
			Full External Error ± 0.10	
			Analytical Error ± 0.03	

Statistics				
	2σ Confidence Limit	2.41	Convergence	0.0011393475
	Error Magnification	1.9045	Number of Iterations	4
	Number of Data Points	6	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
16D10440	1.0 %		0.0068895	3.77	0.0000000	0.00	0.0000330	116.09	0.0000000	0.00	0.123851	116.09	0.0012877	3.77	0.0000000	0.00	0.102406	0.32	0.0000089	116.80	0.0000000	0.00	8.5118	0.28	0.0000837	116.10	12.8850	0.68	2.035853	3.77	0.0000000	0.00	0.032541	2.67
16D10442	1.4 %		0.0097680	2.69	0.0000000	0.00	0.0000714	51.96	0.0000019	167.99	0.268110	51.96	0.0018256	2.69	0.0000000	0.00	0.232915	0.21	0.0000193	53.52	0.0138679	167.99	19.3596	0.13	0.0001811	51.98	29.1624	0.31	2.886443	2.69	0.0000000	0.00	0.074012	2.66
16D10443	1.8 %		0.0093870	2.75	0.0000000	0.00	0.0000227	179.98	0.0000000	0.00	0.085405	179.98	0.0017544	2.75	0.0000000	0.00	0.501176	0.18	0.0000061	180.44	0.0000000	0.00	41.6571	0.09	0.0000577	179.99	63.2364	0.14	2.773861	2.75	0.0000000	0.00	0.159255	2.66
16D10445	2.0 %		0.0054628	4.58	0.0000000	0.00	0.0000395	96.25	0.0000000	0.00	0.148289	96.25	0.0010210	4.58	0.0000000	0.00	0.386671	0.19	0.0000106	97.10	0.0000000	0.00	32.1395	0.10	0.0001002	96.26	48.7065	0.18	1.614267	4.58	0.0000000	0.00	0.122869	2.66
16D10446	2.4 %		0.0122320	2.29	0.0000000	0.00	0.0000781	47.38	0.0000006	570.65	0.293219	47.38	0.0022862	2.29	0.0000000	0.00	0.681611	0.18	0.0000211	49.09	0.0042807	570.65	56.6546	0.08	0.0001981	47.40	86.2727	0.11	3.614556	2.29	0.0000000	0.00	0.216590	2.66
16D10447	2.8 %		0.0102750	2.55	0.0000000	0.00	0.0001756	22.55	0.0000045	71.16	0.659377	22.55	0.0019204	2.55	0.0000000	0.00	1.097190	0.18	0.0000473	25.94	0.0321506	71.17	91.1969	0.07	0.0004455	22.59	139.2071	0.07	3.036269	2.55	0.0000000	0.00	0.348646	2.66
16D10449	3.2 %		0.0074207	3.59	0.0000000	0.00	0.0001108	33.40	0.0000025	135.39	0.416166	33.40	0.0013869	3.59	0.0000000	0.00	1.066282	0.18	0.0000299	35.78	0.0180778	135.39	88.6278	0.07	0.0002812	33.43	135.5089	0.07	2.192817	3.59	0.0000000	0.00	0.338824	2.66
16D10450	3.6 %		0.0070085	3.90	0.0000000	0.00	0.0001117	35.06	0.0000000	0.00	0.419603	35.06	0.0013099	3.90	0.0000000	0.00	0.969066	0.18	0.0000301	37.33	0.0000000	0.00	80.5474	0.07	0.0002835	35.09	122.6627	0.08	2.071020	3.90	0.0000000	0.00	0.307933	2.66
16D10451	4.0 %		0.0086698	3.16	0.0000000	0.00	0.0001846	21.30	0.0000000	0.00	0.693263	21.30	0.0016204	3.16	0.0000000	0.00	1.420671	0.18	0.0000498	24.86	0.0000000	0.00	118.0842	0.07	0.0004684	21.34	180.1987	0.05	2.561915	3.16	0.0000000	0.00	0.451436	2.66
16D10453	4.5 %		0.0068171	3.80	0.0000000	0.00	0.0001271	32.94	0.0000015	220.53	0.477257	32.93	0.0012741	3.80	0.0000000	0.00	1.160186	0.18	0.0000343	35.34	0.0106519	220.54	96.4331	0.07	0.0003224	32.96	147.2091	0.06	2.014457	3.80	0.0000000	0.00	0.368664	2.66
16D10454	5.0 %		0.0086628	3.56	0.0000000	0.00	0.0002722	14.34	0.0000035	94.10	1.021969	14.34	0.0016191	3.56	0.0000000	0.00	1.602704	0.17	0.0000734	19.24	0.0250658	94.10	133.2146	0.07	0.0006904	14.40	203.2227	0.05	2.559864	3.56	0.0000000	0.00	0.509279	2.66
16D10455	5.5 %		0.0095395	2.96	0.0000000	0.00	0.0002637	14.58	0.0000003	######	0.990135	14.58	0.0017829	2.96	0.0000000	0.00	1.731572	0.17	0.0000711	19.41	0.0019176	######	143.9259	0.07	0.0006689	14.64	219.9376	0.04	2.818928	2.96	0.0000000	0.00	0.550229	2.66
16D10457	6.0 %		0.0092319	2.88	0.0000000	0.00	0.0002934	13.77	0.0000054	62.03	1.101806	13.77	0.0017254	2.88	0.0000000	0.00	1.726748	0.17	0.0000791	18.81	0.0386736	62.04	143.5249	0.07	0.0007444	13.83	219.4268	0.04	2.728024	2.88	0.0000000	0.00	0.548696	2.66
16D10458	6.7 %		0.0156197	2.05	0.0000000	0.00	0.0002619	14.71	0.0000038	86.18	0.983590	14.71	0.0029193	2.05	0.0000000	0.00	1.672039	0.17	0.0000706	19.51	0.0273021	86.19	138.9775	0.07	0.0006645	14.76	212.6088	0.05	4.615613	2.05	0.0000000	0.00	0.531311	2.66
16D10459	7.4 %	✓	0.0193803	1.71	0.0000000	0.00	0.0002880	12.87	0.0000037	92.62	1.081389	12.86	0.0036222	1.71	0.0000000	0.00	2.324371	0.17	0.0000776	18.16	0.0266075	92.63	193.1985	0.07	0.0007306	12.93	296.2984	0.04	5.726890	1.71	0.0000000	0.00	0.738598	2.66
16D10461	8.3 %	✓	0.0141292	2.20	0.0000000	0.00	0.0003445	10.97	0.0000033	107.35	1.293799	10.97	0.0026407	2.20	0.0000000	0.00	2.373979	0.17	0.0000929	16.87	0.0232011	107.35	197.3219	0.07	0.0008741	11.05	302.6862	0.04	4.175167	2.20	0.0000000	0.00	0.754361	2.66
16D10462	9.5 %	✓	0.0208398	1.69	0.0000000	0.00	0.0003878	9.78	0.0000024	147.85	1.456148	9.78	0.0038950	1.69	0.0000000	0.00	2.833912	0.17	0.0001046	16.12	0.0170592	147.86	235.5508	0.07	0.0009838	9.87	362.4127	0.03	6.158154	1.69	0.0000000	0.00	0.900511	2.66
16D10463	11.0 %	✓	0.0188900	1.85	0.0000000	0.00	0.0004923	7.67	0.0000149	22.83	1.848576	7.67	0.0035305	1.85	0.0000000	0.00	3.271110	0.17	0.0001327	14.94	0.1063678	22.85	271.8901	0.07	0.0012489	7.78	416.7229	0.03	5.581982	1.85	0.0000000	0.00	1.039436	2.66
16D10465	13.0 %	✓	0.0302858	1.29	0.0000000	0.00	0.0005667	6.49	0.0000065	56.79	2.128058	6.49	0.0056604	1.29	0.0000000	0.00	3.931267	0.17	0.0001528	14.37	0.0461757	56.80	326.7614	0.07	0.0014377	6.62	501.8982	0.03	8.949446	1.29	0.0000000	0.00	1.249209	2.66
16D10466	15.5 %	✓	0.0144243	2.07	0.0000000	0.00	0.0003651	10.94	0.0000057	60.86	1.370892	10.94	0.0026959	2.07	0.0000000	0.00	2.601719	0.17	0.0000984	16.86	0.0402783	60.87	216.2513	0.07	0.0009262	11.02	332.0690	0.03	4.262389	2.07	0.0000000	0.00	0.826729	2.66
16D10468	18.5 %		0.0039190	6.82	0.0000000	0.00	0.0002651	14.60	0.0000017	184.07	0.995424	14.60	0.0007325	6.82	0.0000000	0.00	1.863232	0.17	0.0000715	19.43	0.0124327	184.07	154.8693	0.07	0.0006725	14.66	238.2903	0.04	1.158052	6.82	0.0000000	0.00	0.592065	2.66
16D10469	21.5 %		0.0088174	3.28	0.0000000	0.00	0.0002433	15.54	0.0000001	######	0.913507	15.54	0.0016480	3.28	0.0000000	0.00	2.055390	0.17	0.0000656	20.15	0.0004261	######	170.8411	0.07	0.0006172	15.60	263.4340	0.04	2.605535	3.28	0.0000000	0.00	0.653126	2.66
16D10471	24.5 %		0.0015683	15.30	0.0000000	0.00	0.0000812	51.04	0.0000000	0.00	0.304896	51.04	0.0002931	15.30	0.0000000	0.00	0.736164	0.18	0.0000219	52.63	0.0000000	0.00	61.1890	0.08	0.0002060	51.06	94.7707	0.09	0.463441	15.30	0.0000000	0.00	0.233925	2.66
		Σ	0.2592384	0.54	0.0000000	0.00	0.0050136	3.70	0.0000624	22.43	18.827025	3.70	0.0484517	0.54	0.0000000	0.00	36.342381	0.04	0.0013518	4.92	0.4445365	22.44	3020.7282	0.02	0.0127195	3.72	4628.8279	0.01	76.604942	0.54	0.0000000	0.00	11.548244	0.65
		Σ							0.2643144	0.53	18.827025	3.70									36.836721	0.27			3020.7409	0.02							4716.9811	0.01

Additional Parameters			40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
16D10440	1.0 %		1.756806	0.006994	0.014551	0.016892	0.000806	0.000030	86.309	5.513744	1.00061006	7.178E-13
16D10442	1.4 %		1.659260	0.003109	0.013849	0.007196	0.000508	0.000013	86.321	5.515030	1.00061015	1.542E-12
16D10443	1.8 %		1.588430	0.001728	0.002050	0.003690	0.000226	0.000006	86.327	5.515711	1.00061019	3.176E-12
16D10445	2.0 %		1.569517	0.002105	0.004614	0.004441	0.000171	0.000008	86.339	5.516997	1.00061028	2.421E-12
16D10446	2.4 %		1.590402	0.001491	0.005176	0.002452	0.000217	0.000005	86.344	5.517603	1.00061031	4.325E-12
16D10447	2.8 %		1.563554	0.001247	0.007230	0.001630	0.000115	0.000003	86.351	5.518284	1.00061036	6.844E-12
16D10449	3.2 %		1.557525	0.001244	0.004696	0.001568	0.000085	0.000003	86.362	5.519571	1.00061044	6.626E-12
16D10450	3.6 %		1.552393	0.001285	0.005209	0.001826	0.000088	0.000003	86.368	5.520176	1.00061048	6.002E-12
16D10451	4.0 %		1.551532	0.001167	0.005871	0.001251	0.000075	0.000002	86.374	5.520858	1.00061053	8.794E-12
16D10453	4.5 %		1.551250	0.001224	0.004949	0.001630	0.000072	0.000003	86.386	5.522145	1.00061061	7.180E-12
16D10454	5.0 %		1.548560	0.001141	0.007672	0.001100	0.000067	0.000002	86.392	5.522751	1.00061065	9.902E-12
16D10455	5.5 %		1.551533	0.001133	0.006879	0.001003	0.000068	0.000002	86.398	5.523433	1.00061069	1.072E-11
16D10457	6.0 %		1.551663	0.001129	0.007677	0.001057	0.000066	0.000002	86.410	5.524721	1.00061078	1.069E-11
16D10458	6.7 %		1.566833	0.001152	0.007077	0.001041	0.000114	0.000002	86.415	5.525328	1.00061081	1.045E-11
16D10459	7.4 %	✓	1.567108	0.001107	0.005597	0.000720	0.000102	0.000002	86.422	5.526010	1.00061086	1.453E-11
16D10461	8.3 %	✓	1.558947	0.001099	0.006557	0.000719	0.000073	0.000002	86.433	5.527223	1.00061094	1.477E-11
16D10462	9.5 %	✓	1.568535	0.001091	0.006182	0.000604	0.000090	0.000001	86.439	5.527905	1.00061098	1.773E-11
16D10463	11.0 %	✓	1.557035	0.001075	0.006799	0.000521	0.000071	0.000001	86.444	5.528512	1.00061102	2.032E-11
16D10465	13.0 %	✓	1.567182	0.001074	0.006513	0.000422	0.000094	0.000001	86.456	5.529801	1.00061110	2.458E-11
16D10466	15.5 %	✓	1.559096	0.001088	0.006339	0.000694	0.000068	0.000001	86.462	5.530484	1.00061115	1.618E-11
16D10468	18.5 %		1.549948	0.001119	0.006427	0.000939	0.000027	0.000002	86.474	5.531773	1.00061123	1.152E-11
16D10469	21.5 %		1.561051	0.001114	0.005347	0.000831	0.000053	0.000002	86.480	5.532381	1.00061127	1.280E-11
16D10471	24.5 %		1.560211	0.001421	0.004983	0.002543	0.000027	0.000004	86.492	5.533671	1.00061135	4.582E-12

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
16D10440	1.0 %	0.0029712 ± 0.0001426	0.0016074 ± 0.0182370	0.0126891 ± 0.0166296	0.0295049 ± 0.0158475	0.8208291 ± 0.0389417
16D10442	1.4 %	0.0029074 ± 0.0001426	0.0024140 ± 0.0182370	0.0095622 ± 0.0166296	0.0093563 ± 0.0158475	0.8291243 ± 0.0389417
16D10443	1.8 %	0.0029028 ± 0.0001426	0.0031516 ± 0.0182370	0.0072307 ± 0.0166296	0.0010604 ± 0.0158475	0.8340825 ± 0.0389417
16D10445	2.0 %	0.0029331 ± 0.0001426	0.0051176 ± 0.0182370	0.0021491 ± 0.0166296	0.0105524 ± 0.0158475	0.8439663 ± 0.0389417
16D10446	2.4 %	0.0029600 ± 0.0001426	0.0062878 ± 0.0182370	0.0003616 ± 0.0166296	0.0143335 ± 0.0158475	0.8486739 ± 0.0389417
16D10447	2.8 %	0.0029964 ± 0.0001426	0.0077753 ± 0.0182370	0.0031517 ± 0.0166296	0.0174168 ± 0.0158475	0.8538898 ± 0.0389417
16D10449	3.2 %	0.0030742 ± 0.0001426	0.0110109 ± 0.0182370	0.0080195 ± 0.0166296	0.0202025 ± 0.0158475	0.8631966 ± 0.0389417
16D10450	3.6 %	0.0031115 ± 0.0001426	0.0126880 ± 0.0182370	0.0100135 ± 0.0166296	0.0202953 ± 0.0158475	0.8672039 ± 0.0389417
16D10451	4.0 %	0.0031519 ± 0.0001426	0.0146581 ± 0.0182370	0.0119595 ± 0.0166296	0.0195887 ± 0.0158475	0.8713438 ± 0.0389417
16D10453	4.5 %	0.0032182 ± 0.0001426	0.0184984 ± 0.0182370	0.0146344 ± 0.0166296	0.0162638 ± 0.0158475	0.8779018 ± 0.0389417
16D10454	5.0 %	0.0032432 ± 0.0001426	0.0202973 ± 0.0182370	0.0153981 ± 0.0166296	0.0139596 ± 0.0158475	0.8803437 ± 0.0389417
16D10455	5.5 %	0.0032657 ± 0.0001426	0.0222611 ± 0.0182370	0.0158640 ± 0.0166296	0.0109259 ± 0.0158475	0.8825545 ± 0.0389417
16D10457	6.0 %	0.0032904 ± 0.0001426	0.0256230 ± 0.0182370	0.0156258 ± 0.0166296	0.0042824 ± 0.0158475	0.8850991 ± 0.0389417
16D10458	6.7 %	0.0032939 ± 0.0001426	0.0269613 ± 0.0182370	0.0150382 ± 0.0166296	0.0009083 ± 0.0158475	0.8855374 ± 0.0389417
16D10459	7.4 %	0.0032920 ± 0.0001426	0.0282086 ± 0.0182370	0.0140543 ± 0.0166296	0.0029497 ± 0.0158475	0.8854464 ± 0.0389417
16D10461	8.3 %	0.0032754 ± 0.0001426	0.0295507 ± 0.0182370	0.0116168 ± 0.0166296	0.0096436 ± 0.0158475	0.8837861 ± 0.0389417
16D10462	9.5 %	0.0032604 ± 0.0001426	0.0296890 ± 0.0182370	0.0099739 ± 0.0166296	0.0131254 ± 0.0158475	0.8820442 ± 0.0389417
16D10463	11.0 %	0.0032450 ± 0.0001426	0.0293616 ± 0.0182370	0.0084318 ± 0.0166296	0.0159362 ± 0.0158475	0.8800385 ± 0.0389417
16D10465	13.0 %	0.0032115 ± 0.0001426	0.0269889 ± 0.0182370	0.0052218 ± 0.0166296	0.0206539 ± 0.0158475	0.8744883 ± 0.0389417
16D10466	15.5 %	0.0031971 ± 0.0001426	0.0246523 ± 0.0182370	0.0037636 ± 0.0166296	0.0222569 ± 0.0158475	0.8709377 ± 0.0389417
16D10468	18.5 %	0.0031871 ± 0.0001426	0.0177972 ± 0.0182370	0.0020290 ± 0.0166296	0.0231039 ± 0.0158475	0.8633614 ± 0.0389417
16D10469	21.5 %	0.0031947 ± 0.0001426	0.0133141 ± 0.0182370	0.0019033 ± 0.0166296	0.0223384 ± 0.0158475	0.8595246 ± 0.0389417
16D10471	24.5 %	0.0032501 ± 0.0001426	0.0006919 ± 0.0182370	0.0037766 ± 0.0166296	0.0177684 ± 0.0158475	0.8511670 ± 0.0389417

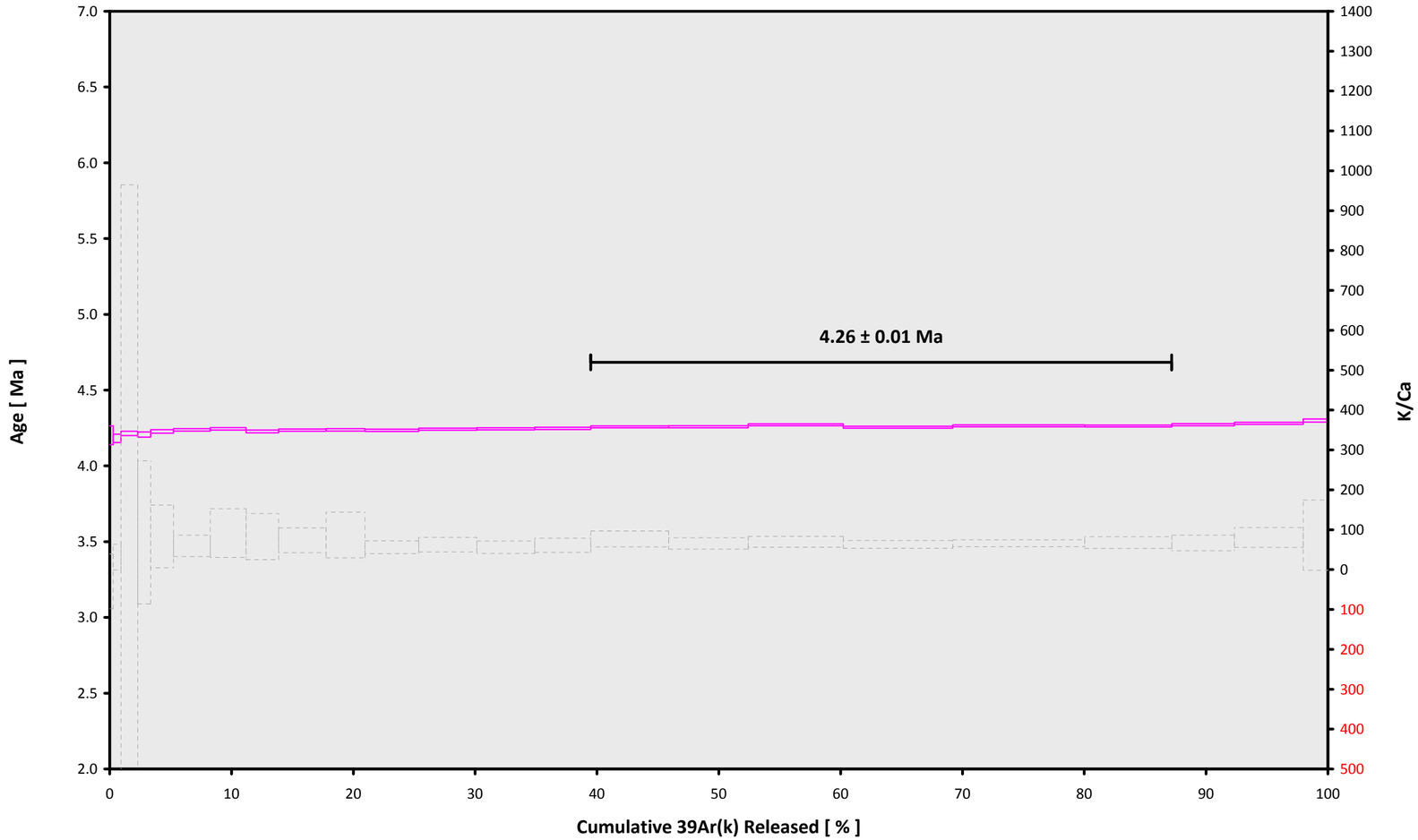
Intercept Values		36Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	37Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	38Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	39Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	40Ar ± 1σ (SE) [fA]	r2	Regression (type,n)
16D10440	1.0 %	0.0094450 ± 0.0001950	0.8178	EXP 150 of 150	0.0235584 ± 0.0177983	0.0246	EXP 150 of 150	0.0972942 ± 0.0155166	0.0010	EXP 150 of 150	8.412519 ± 0.016319	0.9170	EXP 150 of 150	15.774268 ± 0.017447	0.9973	EXP 150 of 150
16D10442	1.4 %	0.0121995 ± 0.0001988	0.8224	EXP 150 of 150	0.0450939 ± 0.0166372	0.0097	EXP 150 of 150	0.2544124 ± 0.0157936	0.0207	EXP 150 of 150	19.191866 ± 0.014619	0.9872	EXP 150 of 150	32.951989 ± 0.018545	0.9947	EXP 150 of 150
16D10443	1.8 %	0.0117873 ± 0.0001921	0.8719	EXP 150 of 150	0.0119799 ± 0.0202261	0.0126	EXP 150 of 150	0.4932170 ± 0.0165679	0.0074	EXP 150 of 150	41.314970 ± 0.016533	0.9965	EXP 150 of 150	67.003554 ± 0.019173	0.9712	EXP 150 of 150
16D10445	2.0 %	0.0081283 ± 0.0001845	0.8695	EXP 150 of 150	0.0211492 ± 0.0175111	0.0019	EXP 150 of 150	0.3685000 ± 0.0162915	0.0110	EXP 150 of 150	31.886991 ± 0.018802	0.9924	EXP 150 of 150	51.287636 ± 0.020199	0.9856	EXP 150 of 150
16D10446	2.4 %	0.0145836 ± 0.0002173	0.8454	EXP 150 of 150	0.0456450 ± 0.0165207	0.0077	EXP 150 of 150	0.6773817 ± 0.0173172	0.0404	EXP 150 of 150	56.205194 ± 0.018729	0.9976	EXP 150 of 150	90.952559 ± 0.021104	0.0466	EXP 149 of 150
16D10447	2.8 %	0.0128680 ± 0.0001973	0.8916	EXP 149 of 150	0.1089945 ± 0.0189859	0.0313	EXP 150 of 150	1.1109681 ± 0.0150053	0.1977	EXP 150 of 150	90.467967 ± 0.021247	0.9988	EXP 150 of 150	143.445881 ± 0.024125	0.9892	EXP 150 of 150
16D10449	3.2 %	0.0101878 ± 0.0002036	0.8986	EXP 149 of 150	0.0626713 ± 0.0165234	0.0202	EXP 150 of 150	1.0612602 ± 0.0172883	0.1258	EXP 150 of 150	87.922574 ± 0.019212	0.9990	EXP 150 of 150	138.903702 ± 0.024502	0.9870	EXP 149 of 150
16D10450	3.6 %	0.0098344 ± 0.0002112	0.8873	EXP 150 of 150	0.0615945 ± 0.0185917	0.0023	EXP 149 of 150	0.9454783 ± 0.0143314	0.1006	EXP 150 of 150	79.908393 ± 0.019883	0.9987	EXP 150 of 150	125.908862 ± 0.025016	0.9704	EXP 150 of 150
16D10451	4.0 %	0.0115120 ± 0.0002111	0.9090	EXP 150 of 150	0.1080554 ± 0.0187272	0.0013	EXP 150 of 150	1.3703196 ± 0.0162588	0.1022	EXP 149 of 150	117.137250 ± 0.022895	0.9992	EXP 150 of 150	184.083385 ± 0.023894	0.9964	EXP 150 of 150
16D10453	4.5 %	0.0097762 ± 0.0001942	0.9138	EXP 149 of 150	0.0659604 ± 0.0210020	0.0216	EXP 150 of 150	1.1397034 ± 0.0158796	0.1317	EXP 150 of 150	95.659970 ± 0.021548	0.9989	EXP 150 of 150	150.470163 ± 0.025792	0.9905	EXP 150 of 150
16D10454	5.0 %	0.0116828 ± 0.0002503	0.8904	EXP 150 of 150	0.1605379 ± 0.0184283	0.0263	EXP 150 of 150	1.5893074 ± 0.0158317	0.2878	EXP 150 of 150	132.138309 ± 0.022528	0.9994	EXP 150 of 150	207.172208 ± 0.026965	0.9971	EXP 150 of 150
16D10455	5.5 %	0.0125220 ± 0.0002206	0.9161	EXP 150 of 150	0.1529197 ± 0.0178657	0.0002	EXP 150 of 150	1.6931141 ± 0.0154975	0.2115	EXP 150 of 150	142.758851 ± 0.023673	0.9994	EXP 150 of 150	224.189349 ± 0.028769	0.9973	EXP 150 of 150
16D10457	6.0 %	0.0122892 ± 0.0002018	0.9219	EXP 150 of 150	0.1692699 ± 0.0196722	0.0068	EXP 150 of 150	1.7247506 ± 0.0163448	0.2908	EXP 150 of 150	142.354599 ± 0.023090	0.9994	EXP 150 of 150	223.588604 ± 0.025557	0.9980	EXP 150 of 150
16D10458	6.7 %	0.0182927 ± 0.0002603	0.8659	EXP 150 of 150	0.1470016 ± 0.0179314	0.0024	EXP 149 of 150	1.6614285 ± 0.0157129	0.2801	EXP 150 of 150	137.840995 ± 0.025551	0.9993	EXP 150 of 150	218.641224 ± 0.025868	0.9977	EXP 150 of 150
16D10459	7.4 %	0.0218661 ± 0.0002715	0.8902	EXP 150 of 150	0.1630280 ± 0.0165001	0.0056	EXP 150 of 150	2.3048484 ± 0.0169338	0.3436	EXP 150 of 150	191.614108 ± 0.025153	0.9996	EXP 150 of 150	303.649377 ± 0.033259	0.9987	EXP 150 of 150
16D10461	8.3 %	0.0169444 ± 0.0002515	0.9149	EXP 150 of 150	0.1991991 ± 0.0172168	0.0004	EXP 150 of 150	2.3518346 ± 0.0172706	0.4098	EXP 150 of 150	195.697165 ± 0.025626	0.9996	EXP 150 of 150	308.499557 ± 0.031900	0.9989	EXP 150 of 150
16D10462	9.5 %	0.0233054 ± 0.0002926	0.8971	EXP 150 of 150	0.2277331 ± 0.0173297	0.0018	EXP 149 of 150	2.8016204 ± 0.0173907	0.4781	EXP 150 of 150	233.609696 ± 0.026931	0.9997	EXP 150 of 150	370.353423 ± 0.033285	0.9992	EXP 150 of 150
16D10463	11.0 %	0.0215595 ± 0.0002905	0.9161	EXP 149 of 150	0.2973992 ± 0.0171436	0.0154	EXP 150 of 150	3.3213380 ± 0.0155919	0.6403	EXP 149 of 150	269.648784 ± 0.029002	0.9998	EXP 150 of 150	424.224361 ± 0.035098	0.9994	EXP 150 of 150
16D10465	13.0 %	0.0323481 ± 0.0003302	0.9018	EXP 150 of 150	0.3490865 ± 0.0161560	0.0326	EXP 150 of 150	3.9175151 ± 0.0178020	0.6502	EXP 150 of 150	324.066225 ± 0.031552	0.9998	EXP 150 of 150	512.971316 ± 0.036435	0.9996	EXP 150 of 150
16D10466	15.5 %	0.0171664 ± 0.0002370	0.9322	EXP 150 of 150	0.2175849 ± 0.0192254	0.0019	EXP 149 of 150	2.6008453 ± 0.0165503	0.4494	EXP 150 of 150	214.458978 ± 0.024624	0.9997	EXP 150 of 150	338.029011 ± 0.031565	0.9990	EXP 150 of 150
16D10468	18.5 %	0.0071393 ± 0.0002048	0.9413	EXP 150 of 150	0.1580536 ± 0.0180711	0.0001	EXP 150 of 150	1.8459303 ± 0.0146585	0.3347	EXP 149 of 150	153.578547 ± 0.023320	0.9995	EXP 150 of 150	240.903811 ± 0.029279	0.9976	EXP 150 of 150
16D10469	21.5 %	0.0117497 ± 0.0002293	0.9240	EXP 150 of 150	0.1480478 ± 0.0172035	0.0000	EXP 149 of 150	2.0243652 ± 0.0177846	0.3399	EXP 150 of 150	169.420278 ± 0.025159	0.9995	EXP 150 of 150	267.552198 ± 0.027294	0.9985	EXP 150 of 150
16D10471	24.5 %	0.0048075 ± 0.0001716	0.9177	EXP 150 of 150	0.0531523 ± 0.0205605	0.0026	EXP 150 of 150	0.6971499 ± 0.0181796	0.0147	EXP 150 of 150	60.670281 ± 0.019106	0.9978	EXP 150 of 150	96.319190 ± 0.021133	0.4563	EXP 149 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
16D10440	1.0 %	Susan Schnur	15-OSU-07	0.00	0.00	64.00	Walvis Ridge\MV1203 (13-INT-04)	16D10436	01
16D10442	1.4 %	Susan Schnur	15-OSU-07	0.00	0.00	64.00	Walvis Ridge\MV1203 (13-INT-04)	16D10436	01
16D10443	1.8 %	Susan Schnur	15-OSU-07	0.00	0.00	64.00	Walvis Ridge\MV1203 (13-INT-04)	16D10436	01
16D10445	2.0 %	Susan Schnur	15-OSU-07	0.00	0.00	64.00	Walvis Ridge\MV1203 (13-INT-04)	16D10436	01
16D10446	2.4 %	Susan Schnur	15-OSU-07	0.00	0.00	64.00	Walvis Ridge\MV1203 (13-INT-04)	16D10436	01
16D10447	2.8 %	Susan Schnur	15-OSU-07	0.00	0.00	64.00	Walvis Ridge\MV1203 (13-INT-04)	16D10436	01
16D10449	3.2 %	Susan Schnur	15-OSU-07	0.00	0.00	64.00	Walvis Ridge\MV1203 (13-INT-04)	16D10436	01
16D10450	3.6 %	Susan Schnur	15-OSU-07	0.00	0.00	64.00	Walvis Ridge\MV1203 (13-INT-04)	16D10436	01
16D10451	4.0 %	Susan Schnur	15-OSU-07	0.00	0.00	64.00	Walvis Ridge\MV1203 (13-INT-04)	16D10436	01
16D10453	4.5 %	Susan Schnur	15-OSU-07	0.00	0.00	64.00	Walvis Ridge\MV1203 (13-INT-04)	16D10436	01
16D10454	5.0 %	Susan Schnur	15-OSU-07	0.00	0.00	64.00	Walvis Ridge\MV1203 (13-INT-04)	16D10436	01
16D10455	5.5 %	Susan Schnur	15-OSU-07	0.00	0.00	64.00	Walvis Ridge\MV1203 (13-INT-04)	16D10436	01
16D10457	6.0 %	Susan Schnur	15-OSU-07	0.00	0.00	64.00	Walvis Ridge\MV1203 (13-INT-04)	16D10436	01
16D10458	6.7 %	Susan Schnur	15-OSU-07	0.00	0.00	64.00	Walvis Ridge\MV1203 (13-INT-04)	16D10436	01
16D10459	7.4 %	Susan Schnur	15-OSU-07	0.00	0.00	64.00	Walvis Ridge\MV1203 (13-INT-04)	16D10436	01
16D10461	8.3 %	Susan Schnur	15-OSU-07	0.00	0.00	64.00	Walvis Ridge\MV1203 (13-INT-04)	16D10436	01
16D10462	9.5 %	Susan Schnur	15-OSU-07	0.00	0.00	64.00	Walvis Ridge\MV1203 (13-INT-04)	16D10436	01
16D10463	11.0 %	Susan Schnur	15-OSU-07	0.00	0.00	64.00	Walvis Ridge\MV1203 (13-INT-04)	16D10436	01
16D10465	13.0 %	Susan Schnur	15-OSU-07	0.00	0.00	64.00	Walvis Ridge\MV1203 (13-INT-04)	16D10436	01
16D10466	15.5 %	Susan Schnur	15-OSU-07	0.00	0.00	64.00	Walvis Ridge\MV1203 (13-INT-04)	16D10436	01
16D10468	18.5 %	Susan Schnur	15-OSU-07	0.00	0.00	64.00	Walvis Ridge\MV1203 (13-INT-04)	16D10436	01
16D10469	21.5 %	Susan Schnur	15-OSU-07	0.00	0.00	64.00	Walvis Ridge\MV1203 (13-INT-04)	16D10436	01
16D10471	24.5 %	Susan Schnur	15-OSU-07	0.00	0.00	64.00	Walvis Ridge\MV1203 (13-INT-04)	16D10436	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
16D10440	1.0 %	MV1203-D20B-06	K-Feldspar	Humpback Seamount	FCT-NM (7A38-15)	28.201	0.082	Kuiper et al (2008)	10.22605	0.139	0.00153700	0.139	304.75	0.137	0.992402	0.067	1	4.8E-14	13	MAR	2016	21	54	1
16D10442	1.4 %	MV1203-D20B-06	K-Feldspar	Humpback Seamount	FCT-NM (7A38-15)	28.201	0.082	Kuiper et al (2008)	10.22605	0.139	0.00153700	0.139	304.75	0.137	0.992402	0.067	1	4.8E-14	13	MAR	2016	22	11	1
16D10443	1.8 %	MV1203-D20B-06	K-Feldspar	Humpback Seamount	FCT-NM (7A38-15)	28.201	0.082	Kuiper et al (2008)	10.22605	0.139	0.00153700	0.139	304.75	0.137	0.992402	0.067	1	4.8E-14	13	MAR	2016	22	20	1
16D10445	2.0 %	MV1203-D20B-06	K-Feldspar	Humpback Seamount	FCT-NM (7A38-15)	28.201	0.082	Kuiper et al (2008)	10.22605	0.139	0.00153700	0.139	304.75	0.137	0.992402	0.067	1	4.8E-14	13	MAR	2016	22	37	1
16D10446	2.4 %	MV1203-D20B-06	K-Feldspar	Humpback Seamount	FCT-NM (7A38-15)	28.201	0.082	Kuiper et al (2008)	10.22605	0.139	0.00153700	0.139	304.75	0.137	0.992402	0.067	1	4.8E-14	13	MAR	2016	22	45	1
16D10447	2.8 %	MV1203-D20B-06	K-Feldspar	Humpback Seamount	FCT-NM (7A38-15)	28.201	0.082	Kuiper et al (2008)	10.22605	0.139	0.00153700	0.139	304.75	0.137	0.992402	0.067	1	4.8E-14	13	MAR	2016	22	54	1
16D10449	3.2 %	MV1203-D20B-06	K-Feldspar	Humpback Seamount	FCT-NM (7A38-15)	28.201	0.082	Kuiper et al (2008)	10.22605	0.139	0.00153700	0.139	304.75	0.137	0.992402	0.067	1	4.8E-14	13	MAR	2016	23	11	1
16D10450	3.6 %	MV1203-D20B-06	K-Feldspar	Humpback Seamount	FCT-NM (7A38-15)	28.201	0.082	Kuiper et al (2008)	10.22605	0.139	0.00153700	0.139	304.75	0.137	0.992402	0.067	1	4.8E-14	13	MAR	2016	23	19	1
16D10451	4.0 %	MV1203-D20B-06	K-Feldspar	Humpback Seamount	FCT-NM (7A38-15)	28.201	0.082	Kuiper et al (2008)	10.22605	0.139	0.00153700	0.139	304.75	0.137	0.992402	0.067	1	4.8E-14	13	MAR	2016	23	28	1
16D10453	4.5 %	MV1203-D20B-06	K-Feldspar	Humpback Seamount	FCT-NM (7A38-15)	28.201	0.082	Kuiper et al (2008)	10.22605	0.139	0.00153700	0.139	304.75	0.137	0.992402	0.067	1	4.8E-14	13	MAR	2016	23	45	1
16D10454	5.0 %	MV1203-D20B-06	K-Feldspar	Humpback Seamount	FCT-NM (7A38-15)	28.201	0.082	Kuiper et al (2008)	10.22605	0.139	0.00153700	0.139	304.75	0.137	0.992402	0.067	1	4.8E-14	13	MAR	2016	23	53	1
16D10455	5.5 %	MV1203-D20B-06	K-Feldspar	Humpback Seamount	FCT-NM (7A38-15)	28.201	0.082	Kuiper et al (2008)	10.22605	0.139	0.00153700	0.139	304.75	0.137	0.992402	0.067	1	4.8E-14	14	MAR	2016	0	2	1
16D10457	6.0 %	MV1203-D20B-06	K-Feldspar	Humpback Seamount	FCT-NM (7A38-15)	28.201	0.082	Kuiper et al (2008)	10.22605	0.139	0.00153700	0.139	304.75	0.137	0.992402	0.067	1	4.8E-14	14	MAR	2016	0	19	1
16D10458	6.7 %	MV1203-D20B-06	K-Feldspar	Humpback Seamount	FCT-NM (7A38-15)	28.201	0.082	Kuiper et al (2008)	10.22605	0.139	0.00153700	0.139	304.75	0.137	0.992402	0.067	1	4.8E-14	14	MAR	2016	0	27	1
16D10459	7.4 %	MV1203-D20B-06	K-Feldspar	Humpback Seamount	FCT-NM (7A38-15)	28.201	0.082	Kuiper et al (2008)	10.22605	0.139	0.00153700	0.139	304.75	0.137	0.992402	0.067	1	4.8E-14	14	MAR	2016	0	36	1
16D10461	8.3 %	MV1203-D20B-06	K-Feldspar	Humpback Seamount	FCT-NM (7A38-15)	28.201	0.082	Kuiper et al (2008)	10.22605	0.139	0.00153700	0.139	304.75	0.137	0.992402	0.067	1	4.8E-14	14	MAR	2016	0	52	1
16D10462	9.5 %	MV1203-D20B-06	K-Feldspar	Humpback Seamount	FCT-NM (7A38-15)	28.201	0.082	Kuiper et al (2008)	10.22605	0.139	0.00153700	0.139	304.75	0.137	0.992402	0.067	1	4.8E-14	14	MAR	2016	1	1	1
16D10463	11.0 %	MV1203-D20B-06	K-Feldspar	Humpback Seamount	FCT-NM (7A38-15)	28.201	0.082	Kuiper et al (2008)	10.22605	0.139	0.00153700	0.139	304.75	0.137	0.992402	0.067	1	4.8E-14	14	MAR	2016	1	9	1
16D10465	13.0 %	MV1203-D20B-06	K-Feldspar	Humpback Seamount	FCT-NM (7A38-15)	28.201	0.082	Kuiper et al (2008)	10.22605	0.139	0.00153700	0.139	304.75	0.137	0.992402	0.067	1	4.8E-14	14	MAR	2016	1	26	1
16D10466	15.5 %	MV1203-D20B-06	K-Feldspar	Humpback Seamount	FCT-NM (7A38-15)	28.201	0.082	Kuiper et al (2008)	10.22605	0.139	0.00153700	0.139	304.75	0.137	0.992402	0.067	1	4.8E-14	14	MAR	2016	1	35	1
16D10468	18.5 %	MV1203-D20B-06	K-Feldspar	Humpback Seamount	FCT-NM (7A38-15)	28.201	0.082	Kuiper et al (2008)	10.22605	0.139	0.00153700	0.139	304.75	0.137	0.992402	0.067	1	4.8E-14	14	MAR	2016	1	52	1
16D10469	21.5 %	MV1203-D20B-06	K-Feldspar	Humpback Seamount	FCT-NM (7A38-15)	28.201	0.082	Kuiper et al (2008)	10.22605	0.139	0.00153700	0.139	304.75	0.137	0.992402	0.067	1	4.8E-14	14	MAR	2016	2	0	1
16D10471	24.5 %	MV1203-D20B-06	K-Feldspar	Humpback Seamount	FCT-NM (7A38-15)	28.201	0.082	Kuiper et al (2008)	10.22605	0.139	0.00153700	0.139	304.75	0.137	0.992402	0.067	1	4.8E-14	14	MAR	2016	2	17	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
16D10440	1.0 %	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
16D10442	1.4 %	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
16D10443	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
16D10445	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
16D10446	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
16D10447	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
16D10449	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
16D10450	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
16D10451	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
16D10453	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
16D10454	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
16D10455	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
16D10457	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
16D10458	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
16D10459	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
16D10461	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
16D10462	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
16D10463	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
16D10465	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
16D10466	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
16D10468	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
16D10469	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
16D10471	24.5 %	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

16D10436.AGE >>> MV1203-D20B-06 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
4.26 ± 0.01
TOTAL FUSION
4.25 ± 0.01
NORMAL ISOCHRON
4.25 ± 0.03
INVERSE ISOCHRON
4.25 ± 0.04

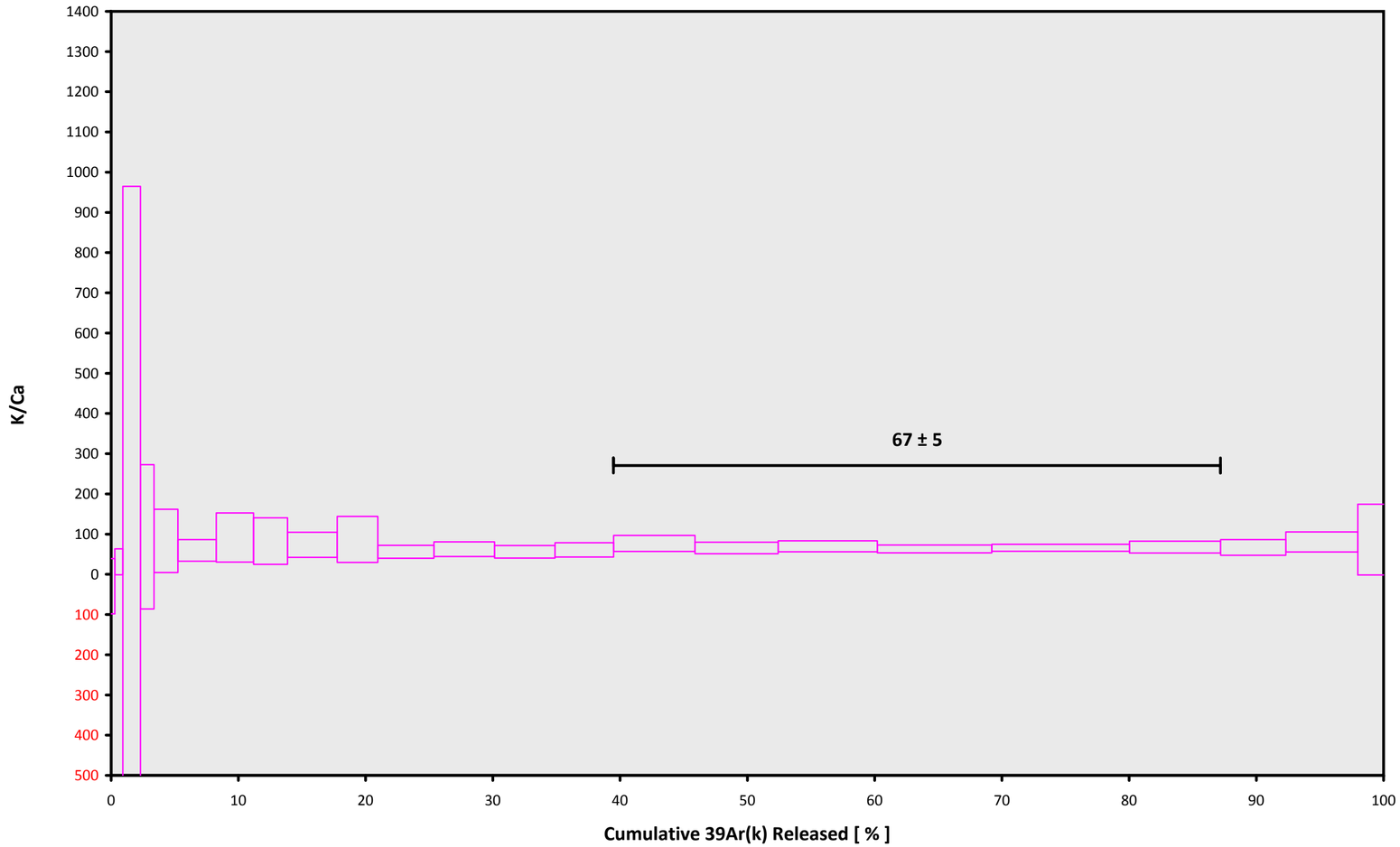
MSWD (PROBABILITY)
3.33 (1%)

Sample Info

K-Feldspar
Humpback Seamount
Susan Schnur

IRR = 15-OSU-07 (7A38-15)
J = 0.00153700 ± 0.00000214

16D10436.AGE >>> MV1203-D20B-06 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
4.26 ± 0.01
TOTAL FUSION
4.25 ± 0.01
NORMAL ISOCHRON
4.25 ± 0.03
INVERSE ISOCHRON
4.25 ± 0.04

Sample Info

K-Feldspar
Humpback Seamount
Susan Schnur

IRR = 15-OSU-07 (7A38-15)
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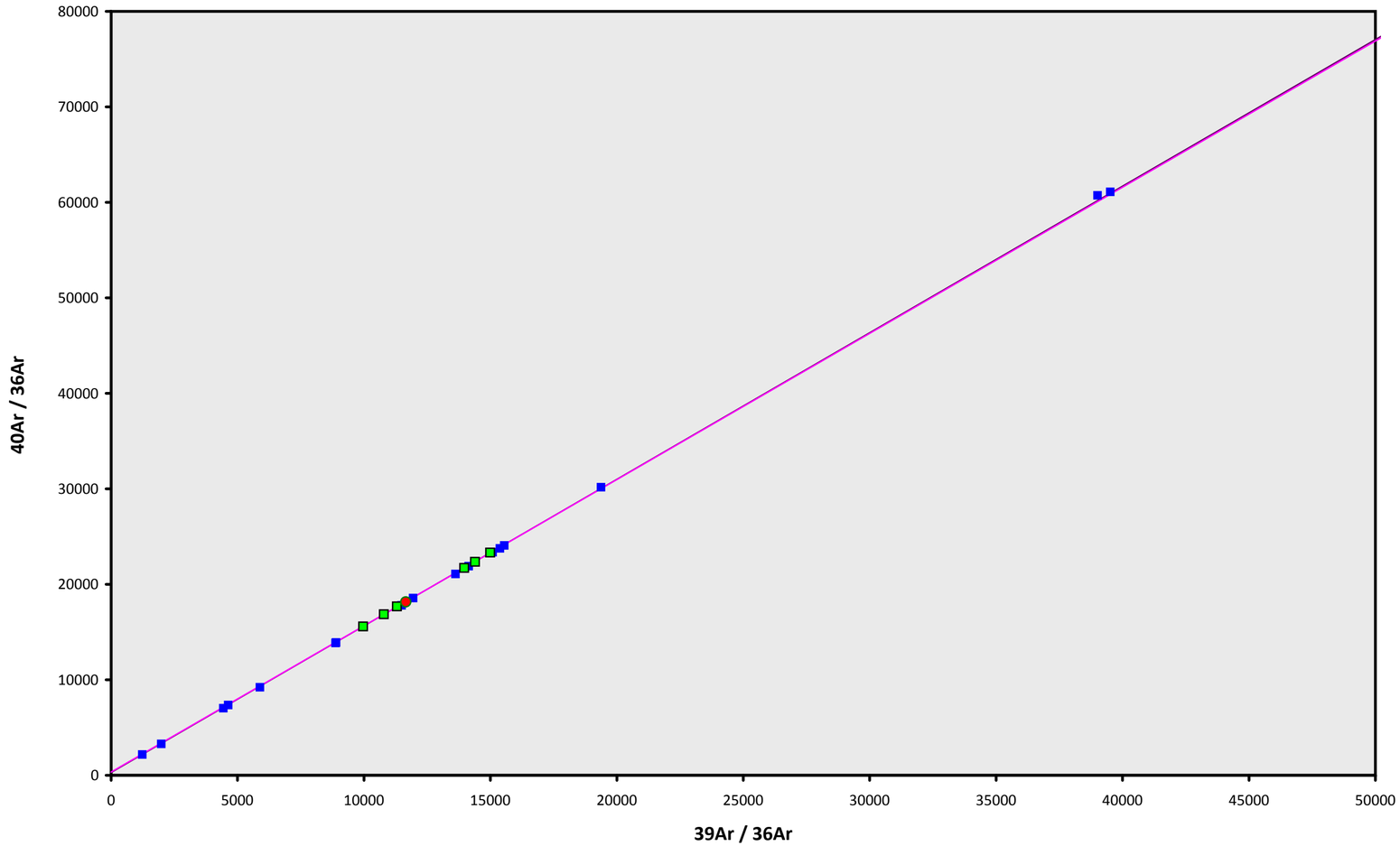
16D10436.AGE >>> MV1203-D20B-06 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
4.26 ± 0.01
TOTAL FUSION
4.25 ± 0.01
NORMAL ISOCHRON
4.25 ± 0.03
INVERSE ISOCHRON
4.25 ± 0.04

MSWD (PROBABILITY)
3.60 (1%)

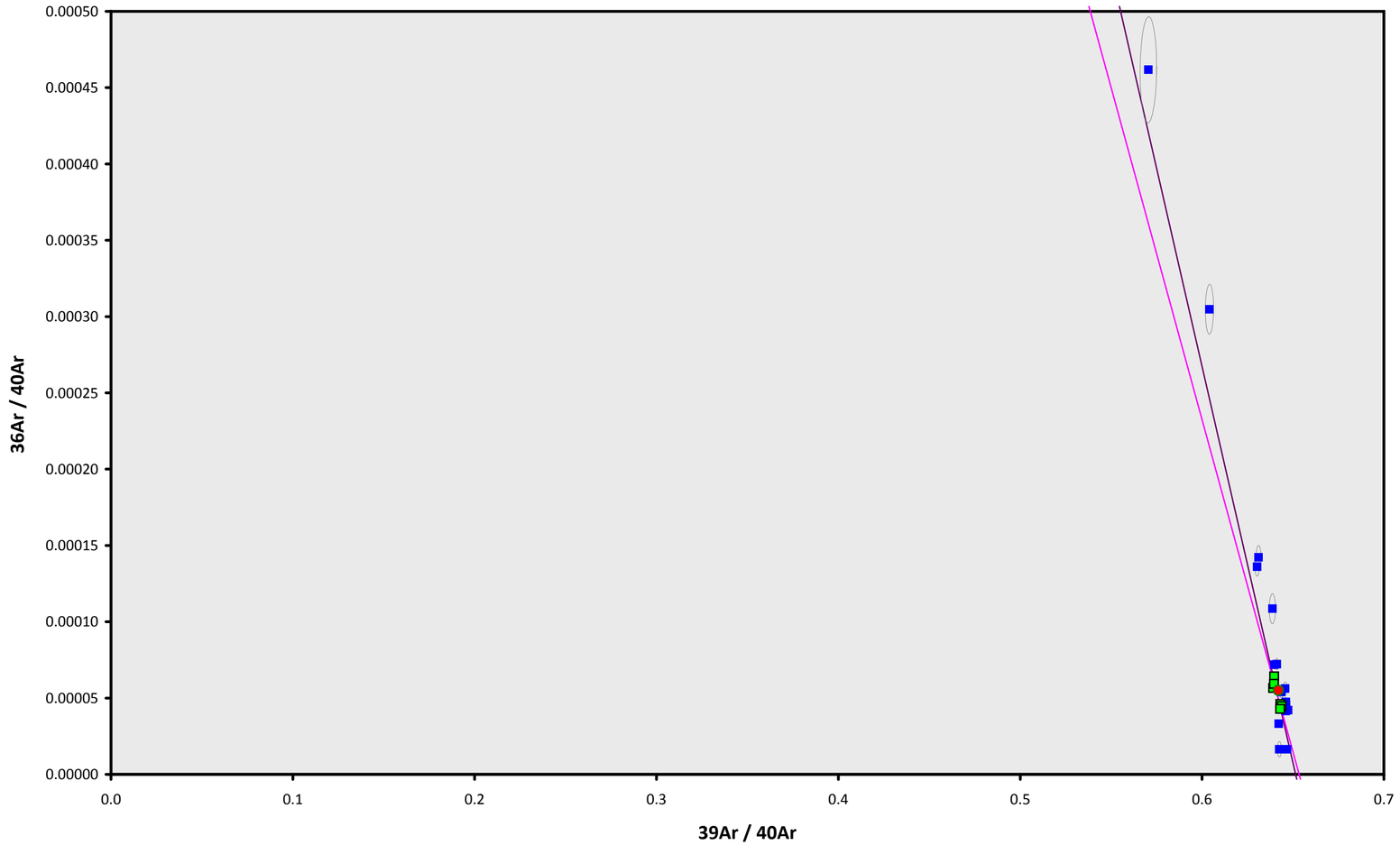
40AR/36AR INTERCEPT
347.3 ± 143.3

Sample Info

K-Feldspar
Humpback Seamount
Susan Schnur

IRR = 15-OSU-07 (7A38-15)
J = 0.00153700 ± 0.00000214

16D10436.AGE >>> MV1203-D20B-06 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
4.26 ± 0.01
TOTAL FUSION
4.25 ± 0.01
NORMAL ISOCHRON
4.25 ± 0.03
INVERSE ISOCHRON
4.25 ± 0.04

MSWD (PROBABILITY)
3.63 (1%)

SPREADING FACTOR
0.7%

40AR/36AR INTERCEPT
351.6 ± 137.6

Sample Info

K-Feldspar
Humpback Seamount
Susan Schnur

IRR = 15-OSU-07 (7A38-15)
J = 0.00153700 ± 0.00000214