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
16D10476	1.0 %		0.0109084	3.010	0.062348	226.133	0.165592	14.165	11.9499	0.275	22.0055	0.171	1.56756 ± 0.01953	4.38 ± 0.05	85.13	0.39	82 ± 373
16D10478	1.4 %		0.0078140	4.248	0.246566	55.518	0.419995	5.846	32.7703	0.118	51.7712	0.074	1.50617 ± 0.00738	4.21 ± 0.02	95.34	1.08	57 ± 63
16D10479	1.8 %		0.0056293	5.400	0.085135	162.034	0.648537	3.666	52.1890	0.090	80.4840	0.049	1.50661 ± 0.00466	4.21 ± 0.01	97.69	1.72	264 ± 854
16D10481	2.0 %		0.0063906	5.066	0.281179	50.695	0.733516	3.190	59.0935	0.087	90.8316	0.044	1.50170 ± 0.00439	4.20 ± 0.01	97.70	1.94	90 ± 92
16D10482	2.4 %		0.0060042	5.693	0.653400	21.381	1.263365	1.967	104.7317	0.074	160.2406	0.026	1.50974 ± 0.00307	4.22 ± 0.01	98.68	3.44	69 ± 29
16D10483	2.8 %		0.0066658	5.046	0.845062	17.270	1.961696	1.228	165.5734	0.070	252.9159	0.018	1.51220 ± 0.00251	4.23 ± 0.01	99.00	5.44	84 ± 29
16D10485	3.2 %		0.0056922	5.687	0.919255	16.397	2.035181	1.186	168.9349	0.070	257.3647	0.017	1.51011 ± 0.00246	4.22 ± 0.01	99.12	5.55	79 ± 26
16D10486	3.6 %		0.0025477	12.404	0.656817	21.623	1.382694	1.729	116.2902	0.073	177.0036	0.023	1.51224 ± 0.00284	4.23 ± 0.01	99.35	3.82	76 ± 33
16D10487	4.0 %		0.0057527	5.718	1.366735	9.738	2.227246	1.078	187.0070	0.070	285.0859	0.016	1.51214 ± 0.00241	4.23 ± 0.01	99.19	6.15	59 ± 11
16D10489	4.5 %		0.0072658	4.973	1.278097	10.988	2.582395	0.919	212.0384	0.069	323.8847	0.014	1.51402 ± 0.00237	4.23 ± 0.01	99.12	6.97	71 ± 16
16D10490	5.0 %		0.0034583	9.006	1.037365	13.800	1.521727	1.639	127.3693	0.072	194.0538	0.021	1.51236 ± 0.00271	4.23 ± 0.01	99.26	4.19	53 ± 15
16D10491	5.5 %		0.0064547	5.253	1.502178	9.529	2.596725	0.979	214.6057	0.069	327.3682	0.013	1.51329 ± 0.00234	4.23 ± 0.01	99.20	7.05	61 ± 12
16D10493	6.0 %	✓	0.0060757	5.775	1.550569	9.463	2.719807	0.929	226.7393	0.069	346.2066	0.013	1.51570 ± 0.00233	4.24 ± 0.01	99.27	7.45	63 ± 12
16D10494	6.7 %	✓	0.0059497	5.635	1.177660	12.013	2.380300	0.994	197.4204	0.069	301.8022	0.016	1.51648 ± 0.00239	4.24 ± 0.01	99.20	6.49	72 ± 17
16D10495	7.4 %	✓	0.0037388	8.382	0.698266	18.792	1.610038	1.425	136.6486	0.071	208.7091	0.020	1.51584 ± 0.00264	4.24 ± 0.01	99.25	4.49	84 ± 32
16D10497	8.3 %	✓	0.0056739	5.737	1.291983	11.315	2.433604	0.973	202.4182	0.069	309.7280	0.015	1.51854 ± 0.00236	4.25 ± 0.01	99.24	6.65	67 ± 15
16D10498	9.5 %	✓	0.0090166	3.805	1.709633	8.873	2.991811	0.802	248.2469	0.069	380.3995	0.012	1.51834 ± 0.00228	4.25 ± 0.01	99.09	8.16	62 ± 11
16D10499	11.0 %	✓	0.0073653	4.727	1.023697	14.157	2.085950	1.125	174.2178	0.070	267.9409	0.017	1.52212 ± 0.00251	4.26 ± 0.01	98.97	5.73	73 ± 21
16D10501	13.0 %	✓	0.0121380	2.796	0.544762	26.082	1.239818	2.036	105.3572	0.074	164.0142	0.025	1.51929 ± 0.00306	4.25 ± 0.01	97.59	3.46	83 ± 43
16D10502	15.5 %		0.0025227	12.386	0.696594	19.589	1.248461	1.898	104.9641	0.074	161.1086	0.026	1.52450 ± 0.00299	4.26 ± 0.01	99.32	3.45	65 ± 25
16D10504	18.5 %		0.0047330	6.573	0.485934	30.089	0.987112	2.417	82.9793	0.078	128.5562	0.032	1.52905 ± 0.00342	4.28 ± 0.01	98.70	2.73	73 ± 44
16D10505	21.5 %		0.0070744	4.430	0.397065	36.863	0.770657	3.162	67.1072	0.083	105.2509	0.038	1.53390 ± 0.00396	4.29 ± 0.01	97.80	2.21	73 ± 54
16D10507	24.5 %		0.0020852	13.987	0.261792	53.137	0.522162	4.447	43.8154	0.099	67.8247	0.059	1.53056 ± 0.00531	4.28 ± 0.01	98.87	1.44	72 ± 76
		Σ	0.1409570	1.115	18.647394	3.658	36.528388	0.316	3042.4676	0.017	4664.5507	0.004					

Information on Analysis and Constants Used in Calculations

Project = **MV1203 (13-INT-04)**
Sample = **MV1203-D20B-05**
Material = **K-Feldspar**
Location = **Humpback Seamount**
Region = **Walvis Ridge**
Analyst = **Susan Schnur**
Irradiation = **15-OSU-07 (7A36-15)**
Position = **X: 0 | Y: 0 | Z/H: 61.97 mm**
FCT-NM Age = **28.201 ± 0.023 Ma**
FCT-NM Reference = **Kuiper et al (2008)**
FCT-NM 40Ar/39Ar Ratio = **10.15065 ± 0.01421**
FCT-NM J-value = **0.00154841 ± 0.00000217**
Air Shot 40Ar/36Ar = **304.7490 ± 0.4175**
Air Shot MDF = **0.99240280 ± 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 = **IESS10074**
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	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (%,n)	K/Ca ± 2σ
Age Plateau		1.51796 ± 0.00171	**4.25 ± 0.01**	3.32	42.43	67 ± 6
Error Mean		± 0.11%	**± 0.30%**	0%	7	
		Full External Error ± 0.10		2.15	2σ Confidence Limit	
		Analytical Error ± 0.00		1.8233	Error Magnification	
Total Fusion Age		1.51612 ± 0.00061	**4.24 ± 0.01**		23	70 ± 5
		± 0.04%	**± 0.28%**			
		Full External Error ± 0.10				
		Analytical Error ± 0.00				
Normal Isochron	**363.41 ± 75.99**	1.51464 ± 0.00345	**4.24 ± 0.02**	3.68	42.43	
Error Chron	**± 20.91%**	± 0.23%	**± 0.36%**	0%	7	
		Full External Error ± 0.10		2.26	2σ Confidence Limit	
		Analytical Error ± 0.01		1.9184	Error Magnification	
				1	Number of Iterations	
				0.0000004098	Convergence	
Inverse Isochron	**332.85 ± 69.94**	1.51655 ± 0.00318	**4.24 ± 0.01**	3.25	42.43	
Error Chron	**± 21.01%**	± 0.21%	**± 0.35%**	1%	7	
		Full External Error ± 0.10		2.26	2σ Confidence Limit	
		Analytical Error ± 0.01		1.8020	Error Magnification	
				4	Number of Iterations	
Notes				0.0003889856	Convergence	
Slight upward slant with low and high-T plateaus. High-T plateau selected in this case.				2%	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
16D10476	1.0 %		0.0109222	0.062348	0.0197844	11.9500	18.7323	4.38 ± 0.05	85.13	0.39	82 ± 373
16D10478	1.4 %		0.0077449	0.246566	0.0242728	32.7701	49.3573	4.21 ± 0.02	95.34	1.08	57 ± 63
16D10479	1.8 %		0.0056039	0.085135	0.0195978	52.1890	78.6285	4.21 ± 0.01	97.69	1.72	264 ± 854
16D10481	2.0 %		0.0063127	0.281179	0.0213645	59.0933	88.7403	4.20 ± 0.01	97.70	1.94	90 ± 92
16D10482	2.4 %		0.0058299	0.653400	0.0022071	104.7313	158.1175	4.22 ± 0.01	98.68	3.44	69 ± 29
16D10483	2.8 %		0.0064407	0.845062	0.0000000	165.5729	250.3797	4.23 ± 0.01	99.00	5.44	84 ± 29
16D10485	3.2 %		0.0054472	0.919255	0.0016485	168.9343	255.1092	4.22 ± 0.01	99.12	5.55	79 ± 26
16D10486	3.6 %		0.0023728	0.656817	0.0000000	116.2898	175.8579	4.23 ± 0.01	99.35	3.82	76 ± 33
16D10487	4.0 %		0.0053887	1.366735	0.0000000	187.0061	282.7787	4.23 ± 0.01	99.19	6.15	59 ± 11
16D10489	4.5 %		0.0069212	1.278097	0.0299859	212.0376	321.0288	4.23 ± 0.01	99.12	6.97	71 ± 16
16D10490	5.0 %		0.0031821	1.037365	0.0000000	127.3686	192.6266	4.23 ± 0.01	99.26	4.19	53 ± 15
16D10491	5.5 %		0.0060528	1.502178	0.0135762	214.6047	324.7592	4.23 ± 0.01	99.20	7.05	61 ± 12
16D10493	6.0 %	✓	0.0056628	1.550569	0.0000000	226.7383	343.6664	4.24 ± 0.01	99.27	7.45	63 ± 12
16D10494	6.7 %	✓	0.0056355	1.177660	0.0040070	197.4196	299.3821	4.24 ± 0.01	99.20	6.49	72 ± 17
16D10495	7.4 %	✓	0.0035529	0.698266	0.0000000	136.6481	207.1368	4.24 ± 0.01	99.25	4.49	84 ± 32
16D10497	8.3 %	✓	0.0053298	1.291983	0.0000000	202.4174	307.3792	4.25 ± 0.01	99.24	6.65	67 ± 15
16D10498	9.5 %	✓	0.0085608	1.709633	0.0034443	248.2457	376.9207	4.25 ± 0.01	99.09	8.16	62 ± 11
16D10499	11.0 %	✓	0.0070927	1.023697	0.0000000	174.2171	265.1789	4.26 ± 0.01	98.97	5.73	73 ± 21
16D10501	13.0 %	✓	0.0119930	0.544762	0.0000000	105.3568	160.0675	4.25 ± 0.01	97.59	3.46	83 ± 43
16D10502	15.5 %		0.0023372	0.696594	0.0000000	104.9636	160.0167	4.26 ± 0.01	99.32	3.45	65 ± 25
16D10504	18.5 %		0.0046036	0.485934	0.0000000	82.9789	126.8786	4.28 ± 0.01	98.70	2.73	73 ± 44
16D10505	21.5 %		0.0069687	0.397065	0.0000000	67.1069	102.9351	4.29 ± 0.01	97.80	2.21	73 ± 54
16D10507	24.5 %		0.0020155	0.261792	0.0000000	43.8152	67.0616	4.28 ± 0.01	98.87	1.44	72 ± 76
		Σ	0.1359716	18.647394	0.1398883	3042.4550	4612.7398				

Information on Analysis

Project = **MV1203 (13-INT-04)**
Sample = **MV1203-D20B-05**
Material = **K-Feldspar**
Location = **Humpback Seamount**
Region = **Walvis Ridge**
Analyst = **Susan Schnur**
Irradiation = **15-OSU-07 (7A36-15)**
J = **0.00154841 ± 0.00000217**
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	1.51796	± 0.00171	**4.25**	**± 0.01**	3.32	42.43	
Error Mean		± 0.11%		**± 0.30%**	0%	7	67 ± 6
		Full External Error		± 0.10	2.15	2σ Confidence Limit	
		Analytical Error		± 0.00	1.8233	Error Magnification	
Total Fusion Age	1.51612	± 0.00061	**4.24**	**± 0.01**		23	70 ± 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.
16D10476	1.0 %		1094.10 ± 66.49	2010.56 ± 121.88	0.9943
16D10478	1.4 %		4231.19 ± 365.02	6668.39 ± 575.14	0.9995
16D10479	1.8 %		9313.01 ± 1017.99	14326.60 ± 1565.87	0.9998
16D10481	2.0 %		9361.06 ± 966.85	14352.98 ± 1482.28	0.9998
16D10482	2.4 %		17964.52 ± 2119.35	27417.34 ± 3234.32	0.9999
16D10483	2.8 %		25707.23 ± 2702.96	39170.03 ± 4118.15	0.9999
16D10485	3.2 %		31013.04 ± 3714.69	47128.56 ± 5644.61	0.9999
16D10486	3.6 %		49009.18 ± 13147.49	74409.06 ± 19961.14	1.0000
16D10487	4.0 %		34703.44 ± 4261.82	52771.82 ± 6480.35	0.9999
16D10489	4.5 %		30635.76 ± 3216.52	46678.61 ± 4900.49	0.9999
16D10490	5.0 %		40027.00 ± 7894.58	60830.56 ± 11997.40	1.0000
16D10491	5.5 %		35455.52 ± 3997.65	53949.99 ± 6082.49	0.9999
16D10493	6.0 %	✓	40040.29 ± 4992.70	60984.44 ± 7603.83	0.9999
16D10494	6.7 %	✓	35031.40 ± 4194.59	53419.79 ± 6395.98	0.9999
16D10495	7.4 %	✓	38461.46 ± 6827.10	58596.95 ± 10400.94	1.0000
16D10497	8.3 %	✓	37978.16 ± 4672.38	57966.92 ± 7131.13	0.9999
16D10498	9.5 %	✓	28997.81 ± 2340.89	44323.96 ± 3577.62	0.9998
16D10499	11.0 %	✓	24562.89 ± 2426.36	37683.11 ± 3722.04	0.9999
16D10501	13.0 %	✓	8784.88 ± 500.39	13642.28 ± 776.84	0.9996
16D10502	15.5 %		44910.31 ± 12089.44	68761.17 ± 18509.63	1.0000
16D10504	18.5 %		18024.67 ± 2455.18	27856.05 ± 3794.14	0.9999
16D10505	21.5 %		9629.76 ± 872.94	15066.57 ± 1365.61	0.9998
16D10507	24.5 %		21738.84 ± 6342.17	33568.02 ± 9793.12	1.0000

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	**363.41 ± 75.99**	1.51464 ± 0.00345	**4.24 ± 0.02**	3.68
Error Chron	**± 20.91%**	± 0.23%	**± 0.36%**	0%
			Full External Error ± 0.10	
			Analytical Error ± 0.01	

Statistics				
	2σ Confidence Limit	2.26	Convergence	0.000000409799
	Error Magnification	1.9184	Number of Iterations	1
	Number of Data Points	7	Calculated Line	Weighted York-2

Inverse Isochron			39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
16D10476	1.0 %		0.5441748 ± 0.0035285	0.00049737 ± 0.00003015	0.0299
16D10478	1.4 %		0.6345149 ± 0.0017722	0.00014996 ± 0.00001293	0.0092
16D10479	1.8 %		0.6500504 ± 0.0013333	0.00006980 ± 0.00000763	0.0043
16D10481	2.0 %		0.6522028 ± 0.0012734	0.00006967 ± 0.00000720	0.0039
16D10482	2.4 %		0.6552248 ± 0.0010328	0.00003647 ± 0.00000430	0.0015
16D10483	2.8 %		0.6562984 ± 0.0009534	0.00002553 ± 0.00000268	0.0009
16D10485	3.2 %		0.6580518 ± 0.0009509	0.00002122 ± 0.00000254	0.0008
16D10486	3.6 %		0.6586453 ± 0.0010144	0.00001344 ± 0.00000361	0.0006
16D10487	4.0 %		0.6576130 ± 0.0009440	0.00001895 ± 0.00000233	0.0007
16D10489	4.5 %		0.6563125 ± 0.0009300	0.00002142 ± 0.00000225	0.0007
16D10490	5.0 %		0.6580082 ± 0.0009959	0.00001644 ± 0.00000324	0.0007
16D10491	5.5 %		0.6571923 ± 0.0009305	0.00001854 ± 0.00000209	0.0006
16D10493	6.0 %	✓	0.6565658 ± 0.0009266	0.00001640 ± 0.00000204	0.0005
16D10494	6.7 %	✓	0.6557756 ± 0.0009362	0.00001872 ± 0.00000224	0.0007
16D10495	7.4 %	✓	0.6563730 ± 0.0009790	0.00001707 ± 0.00000303	0.0007
16D10497	8.3 %	✓	0.6551695 ± 0.0009323	0.00001725 ± 0.00000212	0.0006
16D10498	9.5 %	✓	0.6542244 ± 0.0009149	0.00002256 ± 0.00000182	0.0007
16D10499	11.0 %	✓	0.6518274 ± 0.0009481	0.00002654 ± 0.00000262	0.0010
16D10501	13.0 %	✓	0.6439451 ± 0.0010110	0.00007330 ± 0.00000417	0.0031
16D10502	15.5 %		0.6531349 ± 0.0010293	0.00001454 ± 0.00000391	0.0007
16D10504	18.5 %		0.6470648 ± 0.0010937	0.00003590 ± 0.00000489	0.0019
16D10505	21.5 %		0.6391478 ± 0.0011689	0.00006637 ± 0.00000602	0.0037
16D10507	24.5 %		0.6476057 ± 0.0014887	0.00002979 ± 0.00000869	0.0021

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	**332.85 ± 69.94**	1.51655 ± 0.00318	**4.24 ± 0.01**	3.25
Error Chron	**± 21.01%**	± 0.21%	**± 0.35%**	1%
			Full External Error ± 0.10	
			Analytical Error ± 0.01	

Statistics				
	2σ Confidence Limit	2.26	Convergence	0.0003889856
	Error Magnification	1.8020	Number of Iterations	4
	Number of Data Points	7	Calculated Line	Weighted York-2
	Spreading Factor	1.9%		

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
16D10476	1.0 %		0.0109222	3.03	0.0000000	0.00	0.0000166	226.13	0.0000028	118.59	0.062348	226.13	0.0020414	3.03	0.0000000	0.00	0.143770	0.32	0.0000045	226.50	0.0197844	118.59	11.9500	0.28	0.0000421	226.14	18.7323	0.56	3.227517	3.03	0.0000000	0.00	0.045685	2.67
16D10478	1.4 %		0.0077449	4.31	0.0000000	0.00	0.0000657	55.52	0.0000034	101.21	0.246566	55.52	0.0014475	4.31	0.0000000	0.00	0.394257	0.20	0.0000177	56.98	0.0242728	101.22	32.7701	0.12	0.0001666	55.53	49.3573	0.21	2.288613	4.31	0.0000000	0.00	0.125280	2.66
16D10479	1.8 %		0.0056039	5.46	0.0000000	0.00	0.0000227	162.03	0.0000028	121.47	0.085135	162.03	0.0010474	5.46	0.0000000	0.00	0.627885	0.18	0.0000061	162.54	0.0195978	121.47	52.1890	0.09	0.0000575	162.04	78.6285	0.13	1.655945	5.46	0.0000000	0.00	0.199518	2.66
16D10481	2.0 %		0.0063127	5.16	0.0000000	0.00	0.0000749	50.69	0.0000030	109.71	0.281179	50.69	0.0011798	5.16	0.0000000	0.00	0.710951	0.18	0.0000202	52.29	0.0213645	109.71	59.0933	0.09	0.0001900	50.71	88.7403	0.12	1.865395	5.16	0.0000000	0.00	0.225914	2.66
16D10482	2.4 %		0.0058299	5.90	0.0000000	0.00	0.0001740	21.38	0.0000003	######	0.653400	21.38	0.0010896	5.90	0.0000000	0.00	1.260022	0.18	0.0000469	24.93	0.0022071	######	104.7313	0.07	0.0004414	21.42	158.1175	0.07	1.722734	5.90	0.0000000	0.00	0.400388	2.66
16D10483	2.8 %		0.0064407	5.26	0.0000000	0.00	0.0002250	17.27	0.0000000	0.00	0.845062	17.27	0.0012038	5.26	0.0000000	0.00	1.992007	0.17	0.0000607	21.51	0.0000000	0.00	165.5729	0.07	0.0005709	17.32	250.3797	0.04	1.903230	5.26	0.0000000	0.00	0.632985	2.66
16D10485	3.2 %		0.0054472	5.99	0.0000000	0.00	0.0002448	16.40	0.0000002	######	0.919255	16.40	0.0010181	5.99	0.0000000	0.00	2.032449	0.17	0.0000660	20.81	0.0016485	######	168.9343	0.07	0.0006210	16.45	255.1092	0.04	1.609648	5.99	0.0000000	0.00	0.645836	2.66
16D10486	3.6 %		0.0023728	13.41	0.0000000	0.00	0.0001749	21.62	0.0000000	0.00	0.656817	21.62	0.0004435	13.41	0.0000000	0.00	1.399082	0.18	0.0000472	25.14	0.0000000	0.00	116.2898	0.07	0.0004437	21.66	175.8579	0.06	0.701167	13.41	0.0000000	0.00	0.444576	2.66
16D10487	4.0 %		0.0053887	6.14	0.0000000	0.00	0.0003640	9.74	0.0000000	0.00	1.366735	9.74	0.0010071	6.14	0.0000000	0.00	2.249870	0.17	0.0000981	16.10	0.0000000	0.00	187.0061	0.07	0.0009234	9.83	282.7787	0.04	1.592358	6.14	0.0000000	0.00	0.714924	2.66
16D10489	4.5 %		0.0069212	5.25	0.0000000	0.00	0.0003404	10.99	0.0000042	80.53	1.278097	10.99	0.0012936	5.25	0.0000000	0.00	2.551024	0.17	0.0000918	16.88	0.0299859	80.53	212.0376	0.07	0.0008635	11.07	321.0288	0.04	2.045227	5.25	0.0000000	0.00	0.810620	2.66
16D10490	5.0 %		0.0031821	9.86	0.0000000	0.00	0.0002763	13.80	0.0000000	0.00	1.037365	13.80	0.0005947	9.86	0.0000000	0.00	1.532372	0.18	0.0000745	18.84	0.0000000	0.00	127.3686	0.07	0.0007008	13.86	192.6266	0.05	0.940301	9.86	0.0000000	0.00	0.486930	2.66
16D10491	5.5 %		0.0060528	5.64	0.0000000	0.00	0.0004000	9.53	0.0000019	190.19	1.502178	9.53	0.0011313	5.64	0.0000000	0.00	2.581909	0.17	0.0001079	15.97	0.0135762	190.20	214.6047	0.07	0.0010149	9.62	324.7592	0.03	1.788599	5.64	0.0000000	0.00	0.820434	2.66
16D10493	6.0 %	✓	0.0056628	6.23	0.0000000	0.00	0.0004129	9.46	0.0000000	0.00	1.550569	9.46	0.0010584	6.23	0.0000000	0.00	2.727888	0.17	0.0001113	15.93	0.0000000	0.00	226.7383	0.07	0.0010476	9.55	343.6664	0.03	1.673343	6.23	0.0000000	0.00	0.866820	2.66
16D10494	6.7 %	✓	0.0056355	5.99	0.0000000	0.00	0.0003136	12.01	0.0000006	599.65	1.177660	12.01	0.0010533	5.99	0.0000000	0.00	2.375155	0.17	0.0000846	17.57	0.0040070	599.65	197.4196	0.07	0.0007956	12.09	299.3821	0.04	1.665291	5.99	0.0000000	0.00	0.754735	2.66
16D10495	7.4 %	✓	0.0035529	8.87	0.0000000	0.00	0.0001859	18.79	0.0000000	0.00	0.698266	18.79	0.0006640	8.87	0.0000000	0.00	1.644013	0.18	0.0000501	22.75	0.0000000	0.00	136.6481	0.07	0.0004717	18.84	207.1368	0.05	1.049870	8.87	0.0000000	0.00	0.522406	2.66
16D10497	8.3 %	✓	0.0053298	6.15	0.0000000	0.00	0.0003441	11.32	0.0000000	0.00	1.291983	11.32	0.0009961	6.15	0.0000000	0.00	2.435283	0.17	0.0000928	17.10	0.0000000	0.00	202.4174	0.07	0.0008729	11.39	307.3792	0.04	1.574966	6.15	0.0000000	0.00	0.773842	2.66
16D10498	9.5 %	✓	0.0085608	4.04	0.0000000	0.00	0.0004553	8.87	0.0000005	713.04	1.709633	8.87	0.0016000	4.04	0.0000000	0.00	2.986644	0.17	0.0001228	15.59	0.0034443	713.04	248.2457	0.07	0.0011550	8.97	376.9207	0.03	2.529729	4.04	0.0000000	0.00	0.949043	2.66
16D10499	11.0 %	✓	0.0070927	4.94	0.0000000	0.00	0.0002726	14.16	0.0000000	0.00	1.023697	14.16	0.0013256	4.94	0.0000000	0.00	2.096005	0.17	0.0000735	19.10	0.0000000	0.00	174.2171	0.07	0.0006916	14.22	265.1789	0.04	2.095891	4.94	0.0000000	0.00	0.666032	2.66
16D10501	13.0 %	✓	0.0119930	2.85	0.0000000	0.00	0.0001451	26.08	0.0000000	0.00	0.544762	26.08	0.0022415	2.85	0.0000000	0.00	1.267548	0.18	0.0000391	29.06	0.0000000	0.00	105.3568	0.07	0.0003680	26.12	160.0675	0.07	3.543924	2.85	0.0000000	0.00	0.402779	2.66
16D10502	15.5 %		0.0023372	13.46	0.0000000	0.00	0.0001855	19.59	0.0000000	0.00	0.696594	19.59	0.0004368	13.46	0.0000000	0.00	1.262817	0.18	0.0000500	23.41	0.0000000	0.00	104.9636	0.07	0.0004706	19.63	160.0167	0.06	0.690637	13.46	0.0000000	0.00	0.401276	2.66
16D10504	18.5 %		0.0046036	6.81	0.0000000	0.00	0.0001294	30.09	0.0000000	0.00	0.485934	30.09	0.0008604	6.81	0.0000000	0.00	0.998320	0.18	0.0000349	32.71	0.0000000	0.00	82.9789	0.08	0.0003283	30.12	126.8786	0.08	1.360373	6.81	0.0000000	0.00	0.317229	2.66
16D10505	21.5 %		0.0069687	4.53	0.0000000	0.00	0.0001057	36.86	0.0000000	0.00	0.397065	36.86	0.0013024	4.53	0.0000000	0.00	0.807363	0.18	0.0000285	39.03	0.0000000	0.00	67.1069	0.08	0.0002683	36.89	102.9351	0.10	2.059250	4.53	0.0000000	0.00	0.256550	2.66
16D10507	24.5 %		0.0020155	14.59	0.0000000	0.00	0.0000697	53.14	0.0000000	0.00	0.261792	53.14	0.0003767	14.59	0.0000000	0.00	0.527141	0.19	0.0000188	54.66	0.0000000	0.00	43.8152	0.10	0.0001769	53.15	67.0616	0.14	0.595588	14.59	0.0000000	0.00	0.167506	2.66
		Σ	0.1359716	1.16	0.0000000	0.00	0.0049658	3.66	0.0000197	55.00	18.647394	3.66	0.0254131	1.16	0.0000000	0.00	36.603776	0.04	0.0013389	4.81	0.1398883	54.99	3042.4550	0.02	0.0125982	3.67	4612.7398	0.01	40.179599	1.16	0.0000000	0.00	11.631306	0.62
		Σ							0.1409570	1.13	18.647394	3.66									36.770417	0.21			3042.4676	0.02							4664.5507	0.02

Additional Parameters			40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
16D10476	1.0 %		1.841474	0.005966	0.005217	0.011798	0.000913	0.000028	86.517	5.536404	1.00061153	1.056E-12
16D10478	1.4 %		1.579822	0.002202	0.007524	0.004177	0.000238	0.000010	86.528	5.537695	1.00061161	2.485E-12
16D10479	1.8 %		1.542164	0.001577	0.001631	0.002643	0.000108	0.000006	86.535	5.538379	1.00061166	3.863E-12
16D10481	2.0 %		1.537083	0.001496	0.004758	0.002412	0.000108	0.000005	86.547	5.539670	1.00061174	4.360E-12
16D10482	2.4 %		1.530010	0.001201	0.006239	0.001334	0.000057	0.000003	86.552	5.540278	1.00061178	7.692E-12
16D10483	2.8 %		1.527515	0.001105	0.005104	0.000881	0.000040	0.000002	86.558	5.540962	1.00061182	1.214E-11
16D10485	3.2 %		1.523455	0.001096	0.005441	0.000892	0.000034	0.000002	86.570	5.542254	1.00061191	1.235E-11
16D10486	3.6 %		1.522085	0.001167	0.005648	0.001221	0.000022	0.000003	86.576	5.542863	1.00061195	8.496E-12
16D10487	4.0 %		1.524467	0.001089	0.007308	0.000712	0.000031	0.000002	86.581	5.543471	1.00061199	1.368E-11
16D10489	4.5 %		1.527481	0.001077	0.006028	0.000662	0.000034	0.000002	86.593	5.544764	1.00061207	1.555E-11
16D10490	5.0 %		1.523553	0.001148	0.008145	0.001124	0.000027	0.000002	86.599	5.545448	1.00061211	9.315E-12
16D10491	5.5 %		1.525440	0.001075	0.007000	0.000667	0.000030	0.000002	86.605	5.546057	1.00061215	1.571E-11
16D10493	6.0 %	✓	1.526893	0.001073	0.006839	0.000647	0.000027	0.000002	86.617	5.547350	1.00061224	1.662E-11
16D10494	6.7 %	✓	1.528729	0.001086	0.005965	0.000717	0.000030	0.000002	86.623	5.548035	1.00061228	1.449E-11
16D10495	7.4 %	✓	1.527342	0.001134	0.005110	0.000960	0.000027	0.000002	86.628	5.548644	1.00061232	1.002E-11
16D10497	8.3 %	✓	1.530139	0.001084	0.006383	0.000722	0.000028	0.000002	86.640	5.549938	1.00061240	1.487E-11
16D10498	9.5 %	✓	1.532343	0.001067	0.006887	0.000611	0.000036	0.000001	86.647	5.550623	1.00061245	1.826E-11
16D10499	11.0 %	✓	1.537965	0.001114	0.005876	0.000832	0.000042	0.000002	86.652	5.551232	1.00061249	1.286E-11
16D10501	13.0 %	✓	1.556745	0.001217	0.005171	0.001349	0.000115	0.000003	86.664	5.552527	1.00061257	7.873E-12
16D10502	15.5 %		1.534894	0.001205	0.006637	0.001300	0.000024	0.000003	86.670	5.553212	1.00061261	7.733E-12
16D10504	18.5 %		1.549257	0.001305	0.005856	0.001762	0.000057	0.000004	86.682	5.554507	1.00061270	6.171E-12
16D10505	21.5 %		1.568400	0.001430	0.005917	0.002181	0.000105	0.000005	86.688	5.555117	1.00061274	5.052E-12
16D10507	24.5 %		1.547966	0.001775	0.005975	0.003175	0.000048	0.000007	86.699	5.556413	1.00061282	3.256E-12

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
16D10476	1.0 %	0.0033436 ± 0.0002287	0.0157057 ± 0.0172042	0.0110570 ± 0.0161874	0.0119179 ± 0.0259298	0.8606875 ± 0.0331713
16D10478	1.4 %	0.0033673 ± 0.0002287	0.0115970 ± 0.0172042	0.0022220 ± 0.0161874	0.0250256 ± 0.0259298	0.8486682 ± 0.0331713
16D10479	1.8 %	0.0033592 ± 0.0002287	0.0085226 ± 0.0172042	0.0007553 ± 0.0161874	0.0271392 ± 0.0259298	0.8468598 ± 0.0331713
16D10481	2.0 %	0.0033178 ± 0.0002287	0.0016826 ± 0.0172042	0.0039413 ± 0.0161874	0.0245283 ± 0.0259298	0.8495483 ± 0.0331713
16D10482	2.4 %	0.0032906 ± 0.0002287	0.0017912 ± 0.0172042	0.0045872 ± 0.0161874	0.0211174 ± 0.0259298	0.8527756 ± 0.0331713
16D10483	2.8 %	0.0032568 ± 0.0002287	0.0057488 ± 0.0172042	0.0048346 ± 0.0161874	0.0161674 ± 0.0259298	0.8573564 ± 0.0331713
16D10485	3.2 %	0.0031908 ± 0.0002287	0.0130037 ± 0.0172042	0.0043597 ± 0.0161874	0.0050048 ± 0.0259298	0.8673695 ± 0.0331713
16D10486	3.6 %	0.0031615 ± 0.0002287	0.0161750 ± 0.0172042	0.0038877 ± 0.0161874	0.0005103 ± 0.0259298	0.8721488 ± 0.0331713
16D10487	4.0 %	0.0031348 ± 0.0002287	0.0191152 ± 0.0172042	0.0033532 ± 0.0161874	0.0058940 ± 0.0259298	0.8766787 ± 0.0331713
16D10489	4.5 %	0.0030902 ± 0.0002287	0.0243979 ± 0.0172042	0.0022769 ± 0.0161874	0.0160930 ± 0.0259298	0.8846964 ± 0.0331713
16D10490	5.0 %	0.0030750 ± 0.0002287	0.0265755 ± 0.0172042	0.0018648 ± 0.0161874	0.0204415 ± 0.0259298	0.8877037 ± 0.0331713
16D10491	5.5 %	0.0030670 ± 0.0002287	0.0281150 ± 0.0172042	0.0016479 ± 0.0161874	0.0235348 ± 0.0259298	0.8895062 ± 0.0331713
16D10493	6.0 %	0.0030683 ± 0.0002287	0.0300896 ± 0.0172042	0.0017768 ± 0.0161874	0.0273877 ± 0.0259298	0.8903417 ± 0.0331713
16D10494	6.7 %	0.0030790 ± 0.0002287	0.0304145 ± 0.0172042	0.0022108 ± 0.0161874	0.0278523 ± 0.0259298	0.8890777 ± 0.0331713
16D10495	7.4 %	0.0030942 ± 0.0002287	0.0302952 ± 0.0172042	0.0028179 ± 0.0161874	0.0273569 ± 0.0259298	0.8869819 ± 0.0331713
16D10497	8.3 %	0.0031422 ± 0.0002287	0.0288551 ± 0.0172042	0.0047698 ± 0.0161874	0.0236847 ± 0.0259298	0.8797505 ± 0.0331713
16D10498	9.5 %	0.0031747 ± 0.0002287	0.0275136 ± 0.0172042	0.0061245 ± 0.0161874	0.0205109 ± 0.0259298	0.8746295 ± 0.0331713
16D10499	11.0 %	0.0032066 ± 0.0002287	0.0260425 ± 0.0172042	0.0074753 ± 0.0161874	0.0171504 ± 0.0259298	0.8695165 ± 0.0331713
16D10501	13.0 %	0.0032787 ± 0.0002287	0.0222808 ± 0.0172042	0.0106214 ± 0.0161874	0.0090702 ± 0.0259298	0.8576940 ± 0.0331713
16D10502	15.5 %	0.0033162 ± 0.0002287	0.0200948 ± 0.0172042	0.0123116 ± 0.0161874	0.0047776 ± 0.0259298	0.8514387 ± 0.0331713
16D10504	18.5 %	0.0033771 ± 0.0002287	0.0160417 ± 0.0172042	0.0151715 ± 0.0161874	0.0018988 ± 0.0259298	0.8411621 ± 0.0331713
16D10505	21.5 %	0.0033974 ± 0.0002287	0.0143535 ± 0.0172042	0.0162042 ± 0.0161874	0.0037777 ± 0.0259298	0.8376648 ± 0.0331713
16D10507	24.5 %	0.0034123 ± 0.0002287	0.0117845 ± 0.0172042	0.0172357 ± 0.0161874	0.0032278 ± 0.0259298	0.8350115 ± 0.0331713

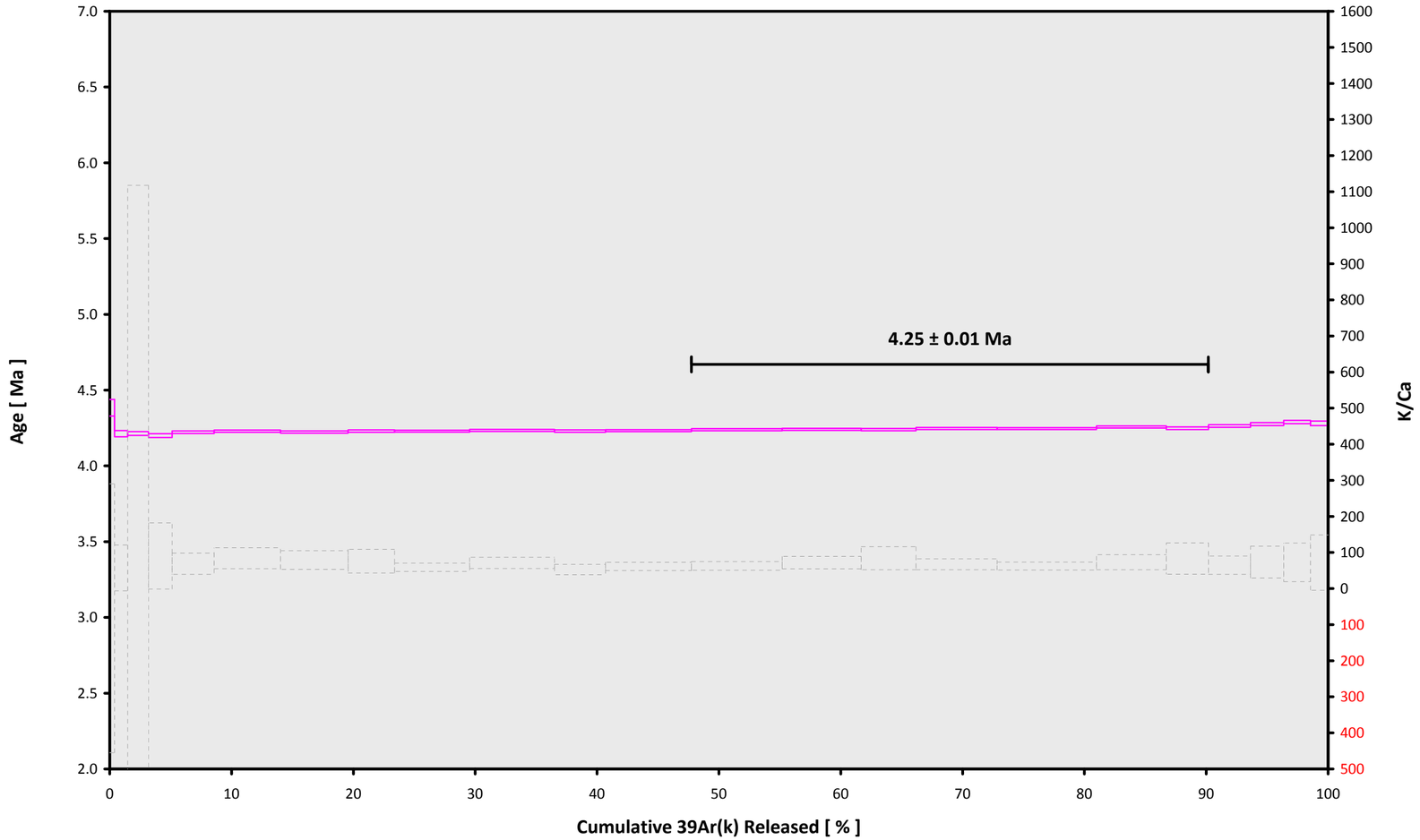
Intercept Values		36Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	37Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	38Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	39Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	40Ar ± 1σ (SE) [fA]	r2	Regression (type,n)
16D10476	1.0 %	0.0136432 ± 0.0002074	0.8128	EXP 149 of 150	0.0047005 ± 0.0179821	0.0002	EXP 150 of 150	0.1520189 ± 0.0164784	0.0011	EXP 150 of 150	11.840164 ± 0.018139	0.9400	EXP 150 of 150	22.866195 ± 0.017719	0.9970	EXP 150 of 150
16D10478	1.4 %	0.0107452 ± 0.0002134	0.8309	EXP 150 of 150	0.0551087 ± 0.0169571	0.0117	EXP 150 of 150	0.4113925 ± 0.0179539	0.0543	EXP 150 of 150	32.476872 ± 0.018170	0.9930	EXP 150 of 150	52.619846 ± 0.019177	0.9886	EXP 150 of 150
16D10479	1.8 %	0.0086744 ± 0.0001729	0.9123	EXP 150 of 150	0.0235446 ± 0.0172189	0.0095	EXP 150 of 150	0.6394394 ± 0.0168964	0.0875	EXP 150 of 150	51.734484 ± 0.017250	0.9976	EXP 150 of 150	81.330853 ± 0.020945	0.8257	EXP 150 of 150
16D10481	2.0 %	0.0093517 ± 0.0002021	0.8749	EXP 150 of 150	0.0512847 ± 0.0183383	0.0007	EXP 150 of 150	0.7263138 ± 0.0163741	0.1605	EXP 150 of 150	58.585027 ± 0.019917	0.9975	EXP 150 of 150	91.681168 ± 0.021603	0.2054	EXP 150 of 150
16D10482	2.4 %	0.0089597 ± 0.0002272	0.8904	EXP 150 of 150	0.1134611 ± 0.0176386	0.0000	EXP 150 of 150	1.2487599 ± 0.0182725	0.1630	EXP 150 of 150	103.852911 ± 0.020926	0.9991	EXP 150 of 150	161.093367 ± 0.024820	0.9938	EXP 150 of 150
16D10483	2.8 %	0.0095505 ± 0.0002197	0.9284	EXP 150 of 150	0.1432921 ± 0.0191394	0.0034	EXP 150 of 150	1.9367295 ± 0.0171560	0.2333	EXP 150 of 150	164.201342 ± 0.023356	0.9996	EXP 150 of 150	253.773251 ± 0.030002	0.9982	EXP 150 of 150
16D10485	3.2 %	0.0085653 ± 0.0002023	0.9391	EXP 149 of 150	0.1490846 ± 0.0202506	0.0044	EXP 150 of 150	2.0086228 ± 0.0172010	0.3076	EXP 150 of 150	167.546431 ± 0.023112	0.9996	EXP 150 of 150	258.232039 ± 0.027286	0.9986	EXP 150 of 150
16D10486	3.6 %	0.0055670 ± 0.0001915	0.9326	EXP 150 of 150	0.0996260 ± 0.0181899	0.0108	EXP 150 of 150	1.3655757 ± 0.0169918	0.2149	EXP 150 of 150	115.338367 ± 0.022778	0.9992	EXP 150 of 150	177.875743 ± 0.023057	0.9959	EXP 149 of 150
16D10487	4.0 %	0.0085664 ± 0.0002097	0.9438	EXP 150 of 150	0.2218223 ± 0.0159349	0.0324	EXP 150 of 150	2.1967631 ± 0.0169805	0.3449	EXP 149 of 150	185.481410 ± 0.026401	0.9996	EXP 150 of 150	285.962620 ± 0.029378	0.9988	EXP 150 of 150
16D10489	4.5 %	0.0099505 ± 0.0002525	0.9242	EXP 150 of 150	0.2008613 ± 0.0177804	0.0007	EXP 150 of 150	2.5454408 ± 0.0165041	0.4847	EXP 150 of 150	210.318000 ± 0.025850	0.9997	EXP 150 of 150	324.769375 ± 0.032455	0.9990	EXP 150 of 150
16D10490	5.0 %	0.0063403 ± 0.0001847	0.9430	EXP 150 of 150	0.1562333 ± 0.0184415	0.0236	EXP 150 of 150	1.5004746 ± 0.0183559	0.1958	EXP 150 of 150	126.346644 ± 0.023269	0.9993	EXP 150 of 150	194.941549 ± 0.024647	0.9966	EXP 150 of 150
16D10491	5.5 %	0.0091615 ± 0.0002234	0.9436	EXP 150 of 150	0.2365760 ± 0.0184262	0.0221	EXP 150 of 150	2.5589237 ± 0.0187881	0.3958	EXP 150 of 150	212.871706 ± 0.027977	0.9996	EXP 150 of 150	328.257734 ± 0.028679	0.9992	EXP 150 of 150
16D10493	6.0 %	0.0088048 ± 0.0002392	0.9382	EXP 150 of 150	0.2430643 ± 0.0192706	0.0176	EXP 150 of 150	2.6802651 ± 0.0185670	0.3979	EXP 150 of 150	224.909780 ± 0.028047	0.9997	EXP 150 of 150	347.096936 ± 0.032494	0.9991	EXP 150 of 150
16D10494	6.7 %	0.0086967 ± 0.0002183	0.9460	EXP 149 of 150	0.1770208 ± 0.0180159	0.0025	EXP 150 of 150	2.3463494 ± 0.0164690	0.3856	EXP 150 of 150	195.831376 ± 0.025157	0.9996	EXP 150 of 150	302.691244 ± 0.033417	0.9986	EXP 150 of 150
16D10495	7.4 %	0.0066244 ± 0.0001875	0.9425	EXP 150 of 150	0.0926851 ± 0.0154261	0.0552	EXP 150 of 150	1.5883962 ± 0.0156128	0.1826	EXP 150 of 150	135.556806 ± 0.022553	0.9994	EXP 150 of 150	209.596044 ± 0.025932	0.9970	EXP 150 of 150
16D10497	8.3 %	0.0084994 ± 0.0002048	0.9485	EXP 150 of 150	0.1986392 ± 0.0191339	0.0006	EXP 150 of 150	2.4014027 ± 0.0164597	0.4610	EXP 150 of 150	200.784119 ± 0.025166	0.9997	EXP 150 of 150	310.607749 ± 0.032824	0.9988	EXP 150 of 150
16D10498	9.5 %	0.0116881 ± 0.0002283	0.9475	EXP 150 of 150	0.2734840 ± 0.0204051	0.0138	EXP 149 of 150	2.9524850 ± 0.0167602	0.5088	EXP 150 of 150	246.234255 ± 0.027076	0.9997	EXP 150 of 150	381.274104 ± 0.031975	0.9993	EXP 150 of 150
16D10499	11.0 %	0.0101608 ± 0.0002354	0.9245	EXP 150 of 150	0.1541696 ± 0.0188315	0.0030	EXP 150 of 150	2.0617361 ± 0.0162670	0.3439	EXP 150 of 150	172.808056 ± 0.027530	0.9995	EXP 150 of 150	268.810381 ± 0.032311	0.9980	EXP 150 of 150
16D10501	13.0 %	0.0147393 ± 0.0002222	0.8816	EXP 150 of 150	0.0735970 ± 0.0181463	0.0263	EXP 150 of 150	1.2316044 ± 0.0188001	0.0888	EXP 150 of 150	104.503352 ± 0.020789	0.9991	EXP 150 of 150	164.871941 ± 0.024863	0.9932	EXP 150 of 150
16D10502	15.5 %	0.0056981 ± 0.0001863	0.9348	EXP 150 of 150	0.1024904 ± 0.0167488	0.0001	EXP 150 of 150	1.2418059 ± 0.0167271	0.1095	EXP 150 of 150	104.109165 ± 0.020233	0.9992	EXP 150 of 150	161.960088 ± 0.026649	0.9911	EXP 150 of 150
16D10504	18.5 %	0.0078459 ± 0.0001839	0.9166	EXP 150 of 150	0.0694520 ± 0.0191228	0.0043	EXP 150 of 150	0.9872878 ± 0.0169805	0.1124	EXP 150 of 150	82.297758 ± 0.020215	0.9987	EXP 150 of 150	129.397399 ± 0.024618	0.9767	EXP 150 of 150
16D10505	21.5 %	0.0100770 ± 0.0001869	0.9031	EXP 150 of 150	0.0554972 ± 0.0191569	0.0000	EXP 150 of 150	0.7751539 ± 0.0176888	0.0562	EXP 150 of 150	66.553778 ± 0.019531	0.9981	EXP 150 of 150	106.088574 ± 0.022912	0.8140	EXP 150 of 150
16D10507	24.5 %	0.0053811 ± 0.0001533	0.9199	EXP 150 of 150	0.0342584 ± 0.0173945	0.0005	EXP 150 of 150	0.5314653 ± 0.0161352	0.0590	EXP 150 of 150	43.453285 ± 0.017924	0.9961	EXP 150 of 150	68.659730 ± 0.021778	0.9532	EXP 150 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
16D10476	1.0 %	Susan Schnur	15-OSU-07	0.00	0.00	61.97	Walvis Ridge\MV1203 (13-INT-04)	16D10472	01
16D10478	1.4 %	Susan Schnur	15-OSU-07	0.00	0.00	61.97	Walvis Ridge\MV1203 (13-INT-04)	16D10472	01
16D10479	1.8 %	Susan Schnur	15-OSU-07	0.00	0.00	61.97	Walvis Ridge\MV1203 (13-INT-04)	16D10472	01
16D10481	2.0 %	Susan Schnur	15-OSU-07	0.00	0.00	61.97	Walvis Ridge\MV1203 (13-INT-04)	16D10472	01
16D10482	2.4 %	Susan Schnur	15-OSU-07	0.00	0.00	61.97	Walvis Ridge\MV1203 (13-INT-04)	16D10472	01
16D10483	2.8 %	Susan Schnur	15-OSU-07	0.00	0.00	61.97	Walvis Ridge\MV1203 (13-INT-04)	16D10472	01
16D10485	3.2 %	Susan Schnur	15-OSU-07	0.00	0.00	61.97	Walvis Ridge\MV1203 (13-INT-04)	16D10472	01
16D10486	3.6 %	Susan Schnur	15-OSU-07	0.00	0.00	61.97	Walvis Ridge\MV1203 (13-INT-04)	16D10472	01
16D10487	4.0 %	Susan Schnur	15-OSU-07	0.00	0.00	61.97	Walvis Ridge\MV1203 (13-INT-04)	16D10472	01
16D10489	4.5 %	Susan Schnur	15-OSU-07	0.00	0.00	61.97	Walvis Ridge\MV1203 (13-INT-04)	16D10472	01
16D10490	5.0 %	Susan Schnur	15-OSU-07	0.00	0.00	61.97	Walvis Ridge\MV1203 (13-INT-04)	16D10472	01
16D10491	5.5 %	Susan Schnur	15-OSU-07	0.00	0.00	61.97	Walvis Ridge\MV1203 (13-INT-04)	16D10472	01
16D10493	6.0 %	Susan Schnur	15-OSU-07	0.00	0.00	61.97	Walvis Ridge\MV1203 (13-INT-04)	16D10472	01
16D10494	6.7 %	Susan Schnur	15-OSU-07	0.00	0.00	61.97	Walvis Ridge\MV1203 (13-INT-04)	16D10472	01
16D10495	7.4 %	Susan Schnur	15-OSU-07	0.00	0.00	61.97	Walvis Ridge\MV1203 (13-INT-04)	16D10472	01
16D10497	8.3 %	Susan Schnur	15-OSU-07	0.00	0.00	61.97	Walvis Ridge\MV1203 (13-INT-04)	16D10472	01
16D10498	9.5 %	Susan Schnur	15-OSU-07	0.00	0.00	61.97	Walvis Ridge\MV1203 (13-INT-04)	16D10472	01
16D10499	11.0 %	Susan Schnur	15-OSU-07	0.00	0.00	61.97	Walvis Ridge\MV1203 (13-INT-04)	16D10472	01
16D10501	13.0 %	Susan Schnur	15-OSU-07	0.00	0.00	61.97	Walvis Ridge\MV1203 (13-INT-04)	16D10472	01
16D10502	15.5 %	Susan Schnur	15-OSU-07	0.00	0.00	61.97	Walvis Ridge\MV1203 (13-INT-04)	16D10472	01
16D10504	18.5 %	Susan Schnur	15-OSU-07	0.00	0.00	61.97	Walvis Ridge\MV1203 (13-INT-04)	16D10472	01
16D10505	21.5 %	Susan Schnur	15-OSU-07	0.00	0.00	61.97	Walvis Ridge\MV1203 (13-INT-04)	16D10472	01
16D10507	24.5 %	Susan Schnur	15-OSU-07	0.00	0.00	61.97	Walvis Ridge\MV1203 (13-INT-04)	16D10472	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
16D10476	1.0 %	MV1203-D20B-05	K-Feldspar	Humpback Seamount	FCT-NM (7A36-15)	28.201	0.082	Kuiper et al (2008)	10.15065	0.14	0.00154841	0.140	304.749	0.137	0.9924028	0.067	1	4.8E-14	14	MAR	2016	2	53	1
16D10478	1.4 %	MV1203-D20B-05	K-Feldspar	Humpback Seamount	FCT-NM (7A36-15)	28.201	0.082	Kuiper et al (2008)	10.15065	0.14	0.00154841	0.140	304.749	0.137	0.9924028	0.067	1	4.8E-14	14	MAR	2016	3	10	1
16D10479	1.8 %	MV1203-D20B-05	K-Feldspar	Humpback Seamount	FCT-NM (7A36-15)	28.201	0.082	Kuiper et al (2008)	10.15065	0.14	0.00154841	0.140	304.749	0.137	0.9924028	0.067	1	4.8E-14	14	MAR	2016	3	19	1
16D10481	2.0 %	MV1203-D20B-05	K-Feldspar	Humpback Seamount	FCT-NM (7A36-15)	28.201	0.082	Kuiper et al (2008)	10.15065	0.14	0.00154841	0.140	304.749	0.137	0.9924028	0.067	1	4.8E-14	14	MAR	2016	3	36	1
16D10482	2.4 %	MV1203-D20B-05	K-Feldspar	Humpback Seamount	FCT-NM (7A36-15)	28.201	0.082	Kuiper et al (2008)	10.15065	0.14	0.00154841	0.140	304.749	0.137	0.9924028	0.067	1	4.8E-14	14	MAR	2016	3	44	1
16D10483	2.8 %	MV1203-D20B-05	K-Feldspar	Humpback Seamount	FCT-NM (7A36-15)	28.201	0.082	Kuiper et al (2008)	10.15065	0.14	0.00154841	0.140	304.749	0.137	0.9924028	0.067	1	4.8E-14	14	MAR	2016	3	53	1
16D10485	3.2 %	MV1203-D20B-05	K-Feldspar	Humpback Seamount	FCT-NM (7A36-15)	28.201	0.082	Kuiper et al (2008)	10.15065	0.14	0.00154841	0.140	304.749	0.137	0.9924028	0.067	1	4.8E-14	14	MAR	2016	4	10	1
16D10486	3.6 %	MV1203-D20B-05	K-Feldspar	Humpback Seamount	FCT-NM (7A36-15)	28.201	0.082	Kuiper et al (2008)	10.15065	0.14	0.00154841	0.140	304.749	0.137	0.9924028	0.067	1	4.8E-14	14	MAR	2016	4	18	1
16D10487	4.0 %	MV1203-D20B-05	K-Feldspar	Humpback Seamount	FCT-NM (7A36-15)	28.201	0.082	Kuiper et al (2008)	10.15065	0.14	0.00154841	0.140	304.749	0.137	0.9924028	0.067	1	4.8E-14	14	MAR	2016	4	26	1
16D10489	4.5 %	MV1203-D20B-05	K-Feldspar	Humpback Seamount	FCT-NM (7A36-15)	28.201	0.082	Kuiper et al (2008)	10.15065	0.14	0.00154841	0.140	304.749	0.137	0.9924028	0.067	1	4.8E-14	14	MAR	2016	4	43	1
16D10490	5.0 %	MV1203-D20B-05	K-Feldspar	Humpback Seamount	FCT-NM (7A36-15)	28.201	0.082	Kuiper et al (2008)	10.15065	0.14	0.00154841	0.140	304.749	0.137	0.9924028	0.067	1	4.8E-14	14	MAR	2016	4	52	1
16D10491	5.5 %	MV1203-D20B-05	K-Feldspar	Humpback Seamount	FCT-NM (7A36-15)	28.201	0.082	Kuiper et al (2008)	10.15065	0.14	0.00154841	0.140	304.749	0.137	0.9924028	0.067	1	4.8E-14	14	MAR	2016	5	0	1
16D10493	6.0 %	MV1203-D20B-05	K-Feldspar	Humpback Seamount	FCT-NM (7A36-15)	28.201	0.082	Kuiper et al (2008)	10.15065	0.14	0.00154841	0.140	304.749	0.137	0.9924028	0.067	1	4.8E-14	14	MAR	2016	5	17	1
16D10494	6.7 %	MV1203-D20B-05	K-Feldspar	Humpback Seamount	FCT-NM (7A36-15)	28.201	0.082	Kuiper et al (2008)	10.15065	0.14	0.00154841	0.140	304.749	0.137	0.9924028	0.067	1	4.8E-14	14	MAR	2016	5	26	1
16D10495	7.4 %	MV1203-D20B-05	K-Feldspar	Humpback Seamount	FCT-NM (7A36-15)	28.201	0.082	Kuiper et al (2008)	10.15065	0.14	0.00154841	0.140	304.749	0.137	0.9924028	0.067	1	4.8E-14	14	MAR	2016	5	34	1
16D10497	8.3 %	MV1203-D20B-05	K-Feldspar	Humpback Seamount	FCT-NM (7A36-15)	28.201	0.082	Kuiper et al (2008)	10.15065	0.14	0.00154841	0.140	304.749	0.137	0.9924028	0.067	1	4.8E-14	14	MAR	2016	5	51	1
16D10498	9.5 %	MV1203-D20B-05	K-Feldspar	Humpback Seamount	FCT-NM (7A36-15)	28.201	0.082	Kuiper et al (2008)	10.15065	0.14	0.00154841	0.140	304.749	0.137	0.9924028	0.067	1	4.8E-14	14	MAR	2016	6	0	1
16D10499	11.0 %	MV1203-D20B-05	K-Feldspar	Humpback Seamount	FCT-NM (7A36-15)	28.201	0.082	Kuiper et al (2008)	10.15065	0.14	0.00154841	0.140	304.749	0.137	0.9924028	0.067	1	4.8E-14	14	MAR	2016	6	8	1
16D10501	13.0 %	MV1203-D20B-05	K-Feldspar	Humpback Seamount	FCT-NM (7A36-15)	28.201	0.082	Kuiper et al (2008)	10.15065	0.14	0.00154841	0.140	304.749	0.137	0.9924028	0.067	1	4.8E-14	14	MAR	2016	6	25	1
16D10502	15.5 %	MV1203-D20B-05	K-Feldspar	Humpback Seamount	FCT-NM (7A36-15)	28.201	0.082	Kuiper et al (2008)	10.15065	0.14	0.00154841	0.140	304.749	0.137	0.9924028	0.067	1	4.8E-14	14	MAR	2016	6	34	1
16D10504	18.5 %	MV1203-D20B-05	K-Feldspar	Humpback Seamount	FCT-NM (7A36-15)	28.201	0.082	Kuiper et al (2008)	10.15065	0.14	0.00154841	0.140	304.749	0.137	0.9924028	0.067	1	4.8E-14	14	MAR	2016	6	51	1
16D10505	21.5 %	MV1203-D20B-05	K-Feldspar	Humpback Seamount	FCT-NM (7A36-15)	28.201	0.082	Kuiper et al (2008)	10.15065	0.14	0.00154841	0.140	304.749	0.137	0.9924028	0.067	1	4.8E-14	14	MAR	2016	6	59	1
16D10507	24.5 %	MV1203-D20B-05	K-Feldspar	Humpback Seamount	FCT-NM (7A36-15)	28.201	0.082	Kuiper et al (2008)	10.15065	0.14	0.00154841	0.140	304.749	0.137	0.9924028	0.067	1	4.8E-14	14	MAR	2016	7	16	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
16D10476	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
16D10478	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
16D10479	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
16D10481	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
16D10482	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
16D10483	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
16D10485	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
16D10486	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
16D10487	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
16D10489	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
16D10490	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
16D10491	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
16D10493	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
16D10494	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
16D10495	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
16D10497	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
16D10498	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
16D10499	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
16D10501	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
16D10502	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
16D10504	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
16D10505	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
16D10507	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

16D10472.AGE >>> MV1203-D20B-05 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
4.25 ± 0.01
TOTAL FUSION
4.24 ± 0.01
NORMAL ISOCHRON
4.24 ± 0.02
INVERSE ISOCHRON
4.24 ± 0.01

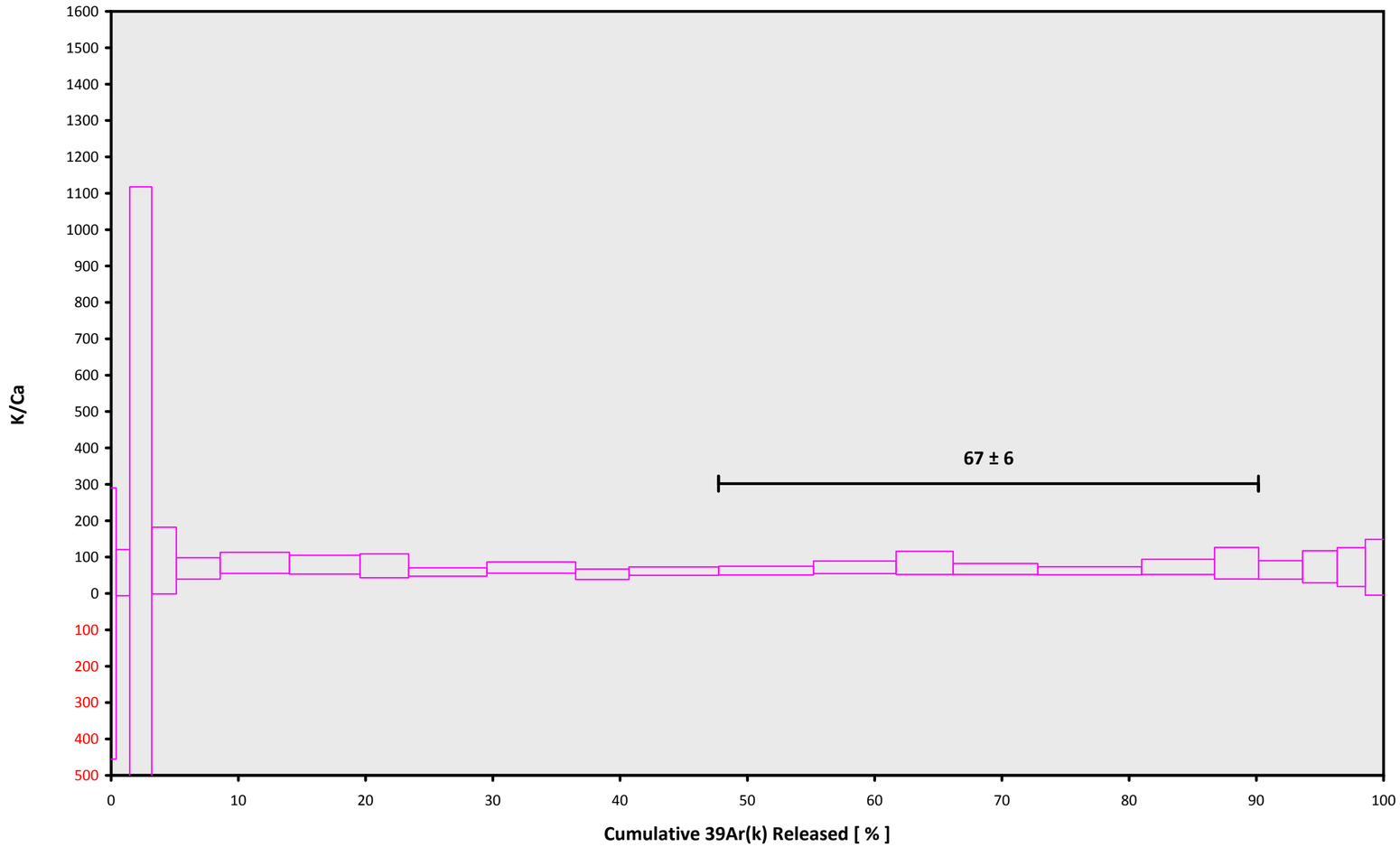
MSWD (PROBABILITY)
3.32 (0%)

Sample Info

K-Feldspar
Humpback Seamount
Susan Schnur

IRR = 15-OSU-07 (7A36-15)
J = 0.00154841 ± 0.00000217

16D10472.AGE >>> MV1203-D20B-05 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

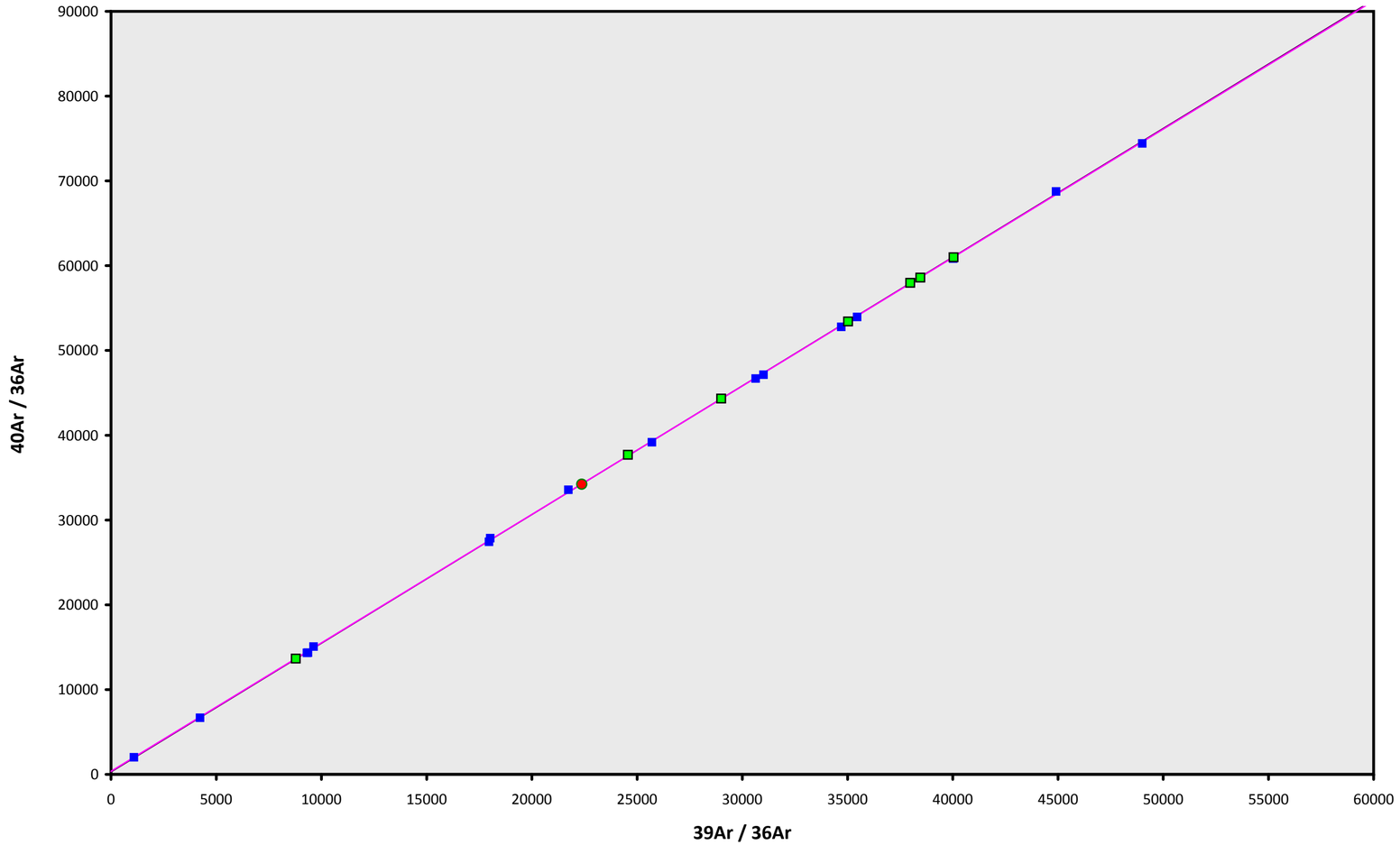
WEIGHTED PLATEAU
4.25 ± 0.01
TOTAL FUSION
4.24 ± 0.01
NORMAL ISOCHRON
4.24 ± 0.02
INVERSE ISOCHRON
4.24 ± 0.01

Sample Info

K-Feldspar
Humpback Seamount
Susan Schnur

IRR = 15-OSU-07 (7A36-15)
J = 0.00154841 ± 0.00000217

16D10472.AGE >>> MV1203-D20B-05 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
4.25 ± 0.01
TOTAL FUSION
4.24 ± 0.01
NORMAL ISOCHRON
4.24 ± 0.02
INVERSE ISOCHRON
4.24 ± 0.01

MSWD (PROBABILITY)
3.68 (0%)

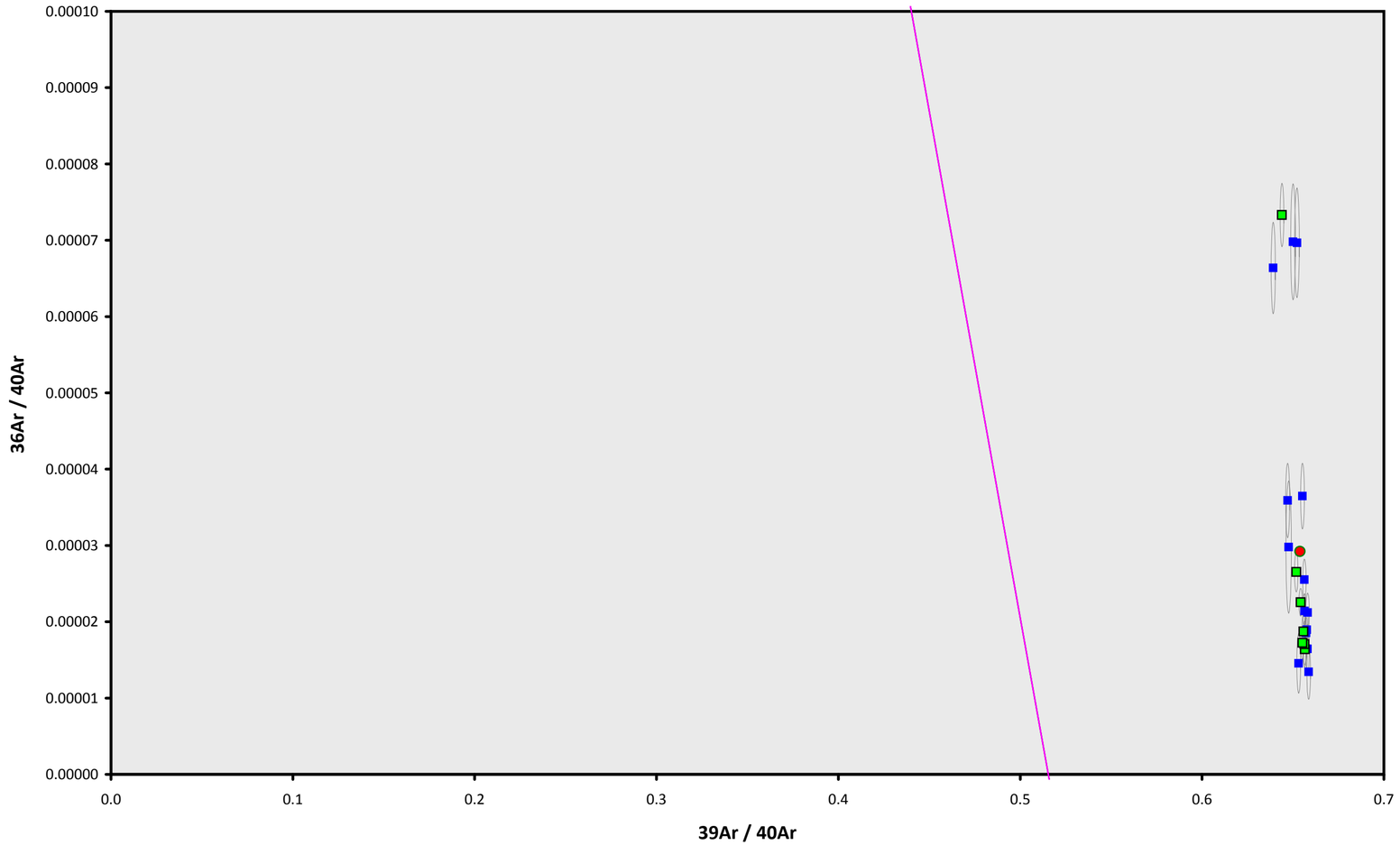
40AR/36AR INTERCEPT
363.4 ± 76.0

Sample Info

K-Feldspar
Humpback Seamount
Susan Schnur

IRR = 15-OSU-07 (7A36-15)
J = 0.00154841 ± 0.00000217

16D10472.AGE >>> MV1203-D20B-05 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
4.25 ± 0.01
TOTAL FUSION
4.24 ± 0.01
NORMAL ISOCHRON
4.24 ± 0.02
INVERSE ISOCHRON
4.24 ± 0.01

MSWD (PROBABILITY)
3.25 (1%)

SPREADING FACTOR
1.9%

40AR/36AR INTERCEPT
332.9 ± 69.9

Sample Info

K-Feldspar
Humpback Seamount
Susan Schnur

IRR = 15-OSU-07 (7A36-15)
J = 0.00154841 ± 0.00000217