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
16D06638	1.0 %		1.618927	0.298	4.07643	2.094	0.936275	2.898	51.3848	0.082	1589.542	0.007	21.62767 ± 0.06588	61.66 ± 0.18	69.91	2.88	5.42 ± 0.23
16D06640	1.4 %		1.121879	0.309	4.04823	2.065	0.753980	3.466	46.6861	0.086	1343.439	0.008	21.67932 ± 0.05774	61.80 ± 0.16	75.33	2.62	4.96 ± 0.20
16D06641	1.8 %		1.233995	0.303	4.47333	1.886	0.902105	2.984	50.7790	0.083	1466.603	0.007	21.70550 ± 0.05658	61.88 ± 0.16	75.15	2.85	4.88 ± 0.18
16D06643	2.0 %		0.574830	0.336	2.66027	3.100	0.523322	5.044	32.1343	0.098	869.654	0.011	21.78100 ± 0.05573	62.09 ± 0.16	80.48	1.80	5.19 ± 0.32
16D06644	2.4 %		0.896393	0.324	3.75888	2.283	0.698989	3.850	45.6394	0.085	1258.389	0.008	21.77247 ± 0.05302	62.06 ± 0.15	78.96	2.56	5.22 ± 0.24
16D06645	2.8 %		2.094883	0.291	5.45288	1.547	1.244189	2.175	68.8972	0.075	2113.471	0.005	21.69432 ± 0.06185	61.85 ± 0.17	70.72	3.87	5.43 ± 0.17
16D06647	3.2 %		0.803865	0.325	3.83837	2.281	0.805988	3.416	55.7247	0.081	1449.450	0.007	21.75073 ± 0.04487	62.00 ± 0.13	83.62	3.13	6.24 ± 0.28
16D06648	3.6 %		1.442914	0.305	4.17201	2.070	1.040744	2.593	62.6600	0.079	1789.458	0.006	21.75595 ± 0.05399	62.02 ± 0.15	76.18	3.52	6.46 ± 0.27
16D06649	4.0 %		0.782331	0.333	3.56902	2.383	0.808333	3.315	56.0339	0.080	1450.116	0.007	21.75569 ± 0.04449	62.02 ± 0.12	84.06	3.14	6.75 ± 0.32
16D06651	4.5 %		0.422637	0.366	2.96669	2.878	0.675692	4.030	48.2709	0.082	1175.776	0.008	21.77255 ± 0.04074	62.06 ± 0.11	89.38	2.71	7.00 ± 0.40
16D06652	5.0 %		0.408476	0.380	2.57168	3.163	0.587195	4.686	41.6832	0.087	1028.539	0.010	21.78134 ± 0.04418	62.09 ± 0.12	88.27	2.34	6.97 ± 0.44
16D06653	5.5 %	✓	1.112119	0.306	5.25849	1.632	1.160208	2.291	77.0762	0.075	2001.127	0.005	21.70180 ± 0.04168	61.87 ± 0.12	83.58	4.32	6.30 ± 0.21
16D06655	6.0 %	✓	0.658459	0.337	4.12627	2.074	0.960937	2.853	67.3241	0.077	1657.906	0.006	21.73754 ± 0.03878	61.97 ± 0.11	88.27	3.78	7.02 ± 0.29
16D06656	6.7 %	✓	1.399092	0.306	6.32264	1.324	1.462013	1.864	96.7071	0.073	2513.944	0.005	21.72264 ± 0.04107	61.92 ± 0.12	83.56	5.43	6.58 ± 0.17
16D06657	7.4 %	✓	1.435669	0.301	7.10979	1.252	1.572897	1.761	108.9064	0.071	2786.847	0.004	21.69618 ± 0.03883	61.85 ± 0.11	84.78	6.11	6.59 ± 0.17
16D06659	8.3 %	✓	2.403722	0.291	10.32852	0.858	2.169877	1.238	142.3830	0.070	3796.097	0.003	21.67545 ± 0.04198	61.79 ± 0.12	81.30	7.99	5.93 ± 0.10
16D06660	9.5 %	✓	3.199023	0.288	13.74213	0.704	2.632730	1.050	168.2553	0.069	4588.430	0.003	21.65613 ± 0.04417	61.74 ± 0.12	79.41	9.44	5.26 ± 0.07
16D06661	11.0 %	✓	4.018329	0.284	17.58779	0.564	3.036952	0.882	187.5196	0.069	5248.065	0.003	21.65946 ± 0.04675	61.75 ± 0.13	77.39	10.52	4.58 ± 0.05
16D06663	13.0 %	✓	6.869427	0.280	17.74787	0.539	3.402416	0.823	168.9687	0.069	5686.119	0.003	21.64435 ± 0.07358	61.71 ± 0.21	64.31	9.48	4.09 ± 0.04
16D06664	15.5 %	✓	3.643429	0.287	9.89148	0.858	2.096154	1.315	111.4190	0.071	3491.312	0.004	21.67655 ± 0.06359	61.80 ± 0.18	69.17	6.25	4.84 ± 0.08
16D06666	18.5 %	✓	3.433643	0.284	6.97717	1.279	1.366814	2.013	55.4402	0.079	2217.300	0.005	21.70084 ± 0.10969	61.86 ± 0.31	54.26	3.11	3.42 ± 0.09
16D06667	21.5 %	✓	1.123838	0.316	2.47538	3.257	0.471498	5.845	18.7150	0.140	738.703	0.013	21.73498 ± 0.12803	61.96 ± 0.36	55.06	1.05	3.25 ± 0.21
16D06669	24.5 %	✓	1.282321	0.311	2.07522	3.982	0.491611	5.565	19.6482	0.131	806.516	0.012	21.76835 ± 0.13304	62.05 ± 0.37	53.03	1.10	4.07 ± 0.32
		Σ	41.980202	0.077	145.23053	0.287	29.800920	0.437	1782.2564	0.018	51066.803	0.001					

Information on Analysis and Constants Used in Calculations

Project = **MV1203 (13-INT-04)**
Sample = **MV1203-D16-11**
Material = **K-Feldspar**
Location = **Bulkington West**
Region = **Walvis Ridge**
Analyst = **Susan Schnur**
Irradiation = **15-OSU-07 (7A30-15)**
Position = **X: 0 | Y: 0 | Z/H: 51.69 mm**
FCT-NM Age = **28.201 ± 0.023 Ma**
FCT-NM Reference = **Kuiper et al (2008)**
FCT-NM 40Ar/39Ar Ratio = **9.80048 ± 0.01421**
FCT-NM J-value = **0.00160374 ± 0.00000233**
Air Shot 40Ar/36Ar = **304.5990 ± 0.4173**
Air Shot MDF = **0.99252233 ± 0.00066478 (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 = **IESS10064**
Rock Class = **Igneous>Volcanic>Mafic**
Lithology = **Trachyte**
Lat-Lon = **31°31.3'S - 1°56.9'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		21.69398 ± 0.01811	**61.84 ± 0.18**	1.53	68.58	4.62 ± 0.49
		± 0.08%	**± 0.30%**	11%	12	
		Full External Error ± 1.40		1.85	2σ Confidence Limit	
		Analytical Error ± 0.05		1.2373	Error Magnification	
Total Fusion Age		21.69633 ± 0.01326	**61.85 ± 0.18**		23	5.28 ± 0.03
		± 0.06%	**± 0.29%**			
		Full External Error ± 1.40				
		Analytical Error ± 0.04				
Normal Isochron	**294.90 ± 1.62**	21.70574 ± 0.03614	**61.88 ± 0.20**	1.62	68.58	
	± 0.55%	± 0.17%	**± 0.33%**	9%	12	
		Full External Error ± 1.40		1.89	2σ Confidence Limit	
		Analytical Error ± 0.10		1.2726	Error Magnification	
				23	Number of Iterations	
				0.0002058425	Convergence	
Inverse Isochron	**294.98 ± 1.62**	21.70390 ± 0.03609	**61.87 ± 0.20**	1.62	68.58	
	± 0.55%	± 0.17%	**± 0.33%**	9%	12	
		Full External Error ± 1.40		1.89	2σ Confidence Limit	
		Analytical Error ± 0.10		1.2723	Error Magnification	
Notes				3	Number of Iterations	
Low-T bumpy but high-T yields a slightly higher error plateau.				0.0000008868	Convergence	
				35%	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
16D06638	1.0 %		1.617840	4.07643	0.0154305	51.3820	1111.274	61.66 ± 0.18	69.91	2.88	5.42 ± 0.23
16D06640	1.4 %		1.120800	4.04823	0.0000000	46.6834	1012.064	61.80 ± 0.16	75.33	2.62	4.96 ± 0.20
16D06641	1.8 %		1.232798	4.47333	0.0604890	50.7759	1102.117	61.88 ± 0.16	75.15	2.85	4.88 ± 0.18
16D06643	2.0 %		0.574119	2.66027	0.0292419	32.1325	699.879	62.09 ± 0.16	80.48	1.80	5.19 ± 0.32
16D06644	2.4 %		0.895392	3.75888	0.0000000	45.6368	993.626	62.06 ± 0.15	78.96	2.56	5.22 ± 0.24
16D06645	2.8 %		2.093428	5.45288	0.0236772	68.8936	1494.599	61.85 ± 0.17	70.72	3.87	5.43 ± 0.17
16D06647	3.2 %		0.802843	3.83837	0.0000000	55.7221	1211.997	62.00 ± 0.13	83.62	3.13	6.24 ± 0.28
16D06648	3.6 %		1.441802	4.17201	0.0171438	62.6572	1363.166	62.02 ± 0.15	76.18	3.52	6.46 ± 0.27
16D06649	4.0 %		0.781381	3.56902	0.0000000	56.0315	1219.004	62.02 ± 0.12	84.06	3.14	6.75 ± 0.32
16D06651	4.5 %		0.421846	2.96669	0.0159136	48.2688	1050.936	62.06 ± 0.11	89.38	2.71	7.00 ± 0.40
16D06652	5.0 %		0.407790	2.57168	0.0093247	41.6814	907.878	62.09 ± 0.12	88.27	2.34	6.97 ± 0.44
16D06653	5.5 %	✓	1.110716	5.25849	0.0249760	77.0727	1672.615	61.87 ± 0.12	83.58	4.32	6.30 ± 0.21
16D06655	6.0 %	✓	0.657357	4.12627	0.0278383	67.3213	1463.400	61.97 ± 0.11	88.27	3.78	7.02 ± 0.29
16D06656	6.7 %	✓	1.397404	6.32264	0.0369520	96.7029	2100.641	61.92 ± 0.12	83.56	5.43	6.58 ± 0.17
16D06657	7.4 %	✓	1.433776	7.10979	0.0000000	108.9016	2362.750	61.85 ± 0.11	84.78	6.11	6.59 ± 0.17
16D06659	8.3 %	✓	2.400971	10.32852	0.0074674	142.3761	3086.066	61.79 ± 0.12	81.30	7.99	5.93 ± 0.10
16D06660	9.5 %	✓	3.195362	13.74213	0.0103625	168.2460	3643.557	61.74 ± 0.12	79.41	9.44	5.26 ± 0.07
16D06661	11.0 %	✓	4.013643	17.58779	0.0296337	187.5077	4061.317	61.75 ± 0.13	77.39	10.52	4.58 ± 0.05
16D06663	13.0 %	✓	6.864692	17.74787	0.0854131	168.9567	3656.957	61.71 ± 0.21	64.31	9.48	4.09 ± 0.04
16D06664	15.5 %	✓	3.640788	9.89148	0.0745792	111.4123	2415.034	61.80 ± 0.18	69.17	6.25	4.84 ± 0.08
16D06666	18.5 %	✓	3.431779	6.97717	0.0579683	55.4355	1202.997	61.86 ± 0.31	54.26	3.11	3.42 ± 0.09
16D06667	21.5 %	✓	1.123175	2.47538	0.0362596	18.7133	406.733	61.96 ± 0.36	55.06	1.05	3.25 ± 0.21
16D06669	24.5 %	✓	1.281767	2.07522	0.0155285	19.6468	427.679	62.05 ± 0.37	53.03	1.10	4.07 ± 0.32
		Σ	41.941471	145.23053	0.5781992	1782.1582	38666.285				

Information on Analysis

Project = **MV1203 (13-INT-04)**
Sample = **MV1203-D16-11**
Material = **K-Feldspar**
Location = **Bulkington West**
Region = **Walvis Ridge**
Analyst = **Susan Schnur**
Irradiation = **15-OSU-07 (7A30-15)**
J = **0.00160374 ± 0.00000233**
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	21.69398	± 0.01811	**61.84**	**± 0.18**	1.53	68.58	4.62 ± 0.49
		± 0.08%		**± 0.30%**	11%	12	
		Full External Error		± 1.40	1.85	2σ Confidence Limit	
		Analytical Error		± 0.05	1.2373	Error Magnification	
Total Fusion Age	21.69633	± 0.01326	**61.85**	**± 0.18**		23	5.28 ± 0.03
		± 0.06%		**± 0.29%**			
		Full External Error		± 1.40			
		Analytical Error		± 0.04			

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
16D06638	1.0 %		31.76 ± 0.20	982.39 ± 5.85	0.9640
16D06640	1.4 %		41.65 ± 0.27	1198.48 ± 7.41	0.9631
16D06641	1.8 %		41.19 ± 0.26	1189.50 ± 7.22	0.9644
16D06643	2.0 %		55.97 ± 0.39	1514.55 ± 10.20	0.9599
16D06644	2.4 %		50.97 ± 0.34	1405.21 ± 9.12	0.9669
16D06645	2.8 %		32.91 ± 0.20	1009.45 ± 5.89	0.9680
16D06647	3.2 %		69.41 ± 0.47	1805.13 ± 11.76	0.9705
16D06648	3.6 %		43.46 ± 0.27	1240.96 ± 7.58	0.9680
16D06649	4.0 %		71.71 ± 0.49	1855.56 ± 12.36	0.9721
16D06651	4.5 %		114.42 ± 0.86	2786.78 ± 20.43	0.9754
16D06652	5.0 %		102.21 ± 0.80	2521.83 ± 19.19	0.9743
16D06653	5.5 %	✓	69.39 ± 0.44	1801.39 ± 11.04	0.9714
16D06655	6.0 %	✓	102.41 ± 0.71	2521.69 ± 17.04	0.9750
16D06656	6.7 %	✓	69.20 ± 0.44	1798.74 ± 11.02	0.9729
16D06657	7.4 %	✓	75.95 ± 0.47	1943.42 ± 11.73	0.9732
16D06659	8.3 %	✓	59.30 ± 0.35	1580.84 ± 9.20	0.9723
16D06660	9.5 %	✓	52.65 ± 0.31	1435.76 ± 8.29	0.9724
16D06661	11.0 %	✓	46.72 ± 0.27	1307.38 ± 7.43	0.9718
16D06663	13.0 %	✓	24.61 ± 0.14	828.22 ± 4.64	0.9710
16D06664	15.5 %	✓	30.60 ± 0.18	958.83 ± 5.51	0.9705
16D06666	18.5 %	✓	16.15 ± 0.10	646.05 ± 3.68	0.9632
16D06667	21.5 %	✓	16.66 ± 0.12	657.63 ± 4.17	0.9141
16D06669	24.5 %	✓	15.33 ± 0.10	629.16 ± 3.91	0.9208

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	**294.90 ± 1.62 ± 0.55%**	21.70574 ± 0.03614 ± 0.17%	**61.88 ± 0.20 ± 0.33%**	1.62 9%
			Full External Error ± 1.40	
			Analytical Error ± 0.10	

Statistics				
	2σ Confidence Limit	1.89	Convergence	0.000205842518
	Error Magnification	1.2726	Number of Iterations	23
	Number of Data Points	12	Calculated Line	Weighted York-2

Inverse Isochron			39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
16D06638	1.0 %		0.0323291 ± 0.0000531	0.00101793 ± 0.00000606	0.0018
16D06640	1.4 %		0.0347538 ± 0.0000600	0.00083439 ± 0.00000516	0.0022
16D06641	1.8 %		0.0346260 ± 0.0000575	0.00084069 ± 0.00000510	0.0020
16D06643	2.0 %		0.0369539 ± 0.0000726	0.00066026 ± 0.00000444	0.0036
16D06644	2.4 %		0.0362711 ± 0.0000621	0.00071164 ± 0.00000462	0.0021
16D06645	2.8 %		0.0326014 ± 0.0000493	0.00099064 ± 0.00000578	0.0012
16D06647	3.2 %		0.0384493 ± 0.0000622	0.00055398 ± 0.00000361	0.0018
16D06648	3.6 %		0.0350193 ± 0.0000554	0.00080583 ± 0.00000492	0.0016
16D06649	4.0 %		0.0386450 ± 0.0000621	0.00053892 ± 0.00000359	0.0017
16D06651	4.5 %		0.0410592 ± 0.0000680	0.00035884 ± 0.00000263	0.0024
16D06652	5.0 %		0.0405312 ± 0.0000712	0.00039654 ± 0.00000302	0.0027
16D06653	5.5 %	✓	0.0385203 ± 0.0000576	0.00055513 ± 0.00000340	0.0012
16D06655	6.0 %	✓	0.0406125 ± 0.0000626	0.00039656 ± 0.00000268	0.0015
16D06656	6.7 %	✓	0.0384722 ± 0.0000560	0.00055594 ± 0.00000341	0.0010
16D06657	7.4 %	✓	0.0390828 ± 0.0000557	0.00051456 ± 0.00000311	0.0008
16D06659	8.3 %	✓	0.0375113 ± 0.0000525	0.00063257 ± 0.00000368	0.0006
16D06660	9.5 %	✓	0.0366726 ± 0.0000508	0.00069649 ± 0.00000402	0.0005
16D06661	11.0 %	✓	0.0357338 ± 0.0000493	0.00076489 ± 0.00000435	0.0004
16D06663	13.0 %	✓	0.0297173 ± 0.0000410	0.00120741 ± 0.00000676	0.0004
16D06664	15.5 %	✓	0.0319152 ± 0.0000456	0.00104294 ± 0.00000600	0.0006
16D06666	18.5 %	✓	0.0250037 ± 0.0000397	0.00154788 ± 0.00000881	0.0011
16D06667	21.5 %	✓	0.0253351 ± 0.0000711	0.00152062 ± 0.00000963	0.0036
16D06669	24.5 %	✓	0.0243624 ± 0.0000641	0.00158941 ± 0.00000988	0.0036

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	**294.98 ± 1.62 ± 0.55%**	21.70390 ± 0.03609 ± 0.17%	**61.87 ± 0.20 ± 0.33%**	1.62 9%
			Full External Error ± 1.40	
			Analytical Error ± 0.10	

Statistics				
	2σ Confidence Limit	1.89	Convergence	0.0000008868
	Error Magnification	1.2723	Number of Iterations	3
	Number of Data Points	12	Calculated Line	Weighted York-2
	Spreading Factor	35.3%		

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
16D06638	1.0 %		1.617840	0.30	0.0000000	0.00	0.0010856	2.10	0.0000015	176.08	4.07643	2.09	0.3023743	0.30	0.0000000	0.00	0.618177	0.18	0.0002927	12.99	0.0154305	176.08	51.3820	0.08	0.0027540	2.47	1111.274	0.13	478.072	0.30	0.0000000	0.00	0.1964336	2.66
16D06640	1.4 %		1.120800	0.31	0.0000000	0.00	0.0010780	2.07	0.0000000	0.00	4.04823	2.07	0.2094776	0.31	0.0000000	0.00	0.561648	0.18	0.0002907	12.99	0.0000000	0.00	46.6834	0.09	0.0027350	2.45	1012.064	0.10	331.197	0.31	0.0000000	0.00	0.1784706	2.66
16D06641	1.8 %		1.232798	0.30	0.0000000	0.00	0.0011912	1.89	0.0000059	44.56	4.47333	1.89	0.2304100	0.30	0.0000000	0.00	0.610885	0.18	0.0003212	12.96	0.0604890	44.57	50.7759	0.08	0.0030222	2.30	1102.117	0.10	364.292	0.30	0.0000000	0.00	0.1941164	2.66
16D06643	2.0 %		0.574119	0.34	0.0000000	0.00	0.0007084	3.10	0.0000028	90.33	2.66027	3.10	0.1073029	0.34	0.0000000	0.00	0.386586	0.19	0.0001910	13.19	0.0292419	90.33	32.1325	0.10	0.0017973	3.37	699.879	0.08	169.652	0.34	0.0000000	0.00	0.1228426	2.66
16D06644	2.4 %		0.895392	0.32	0.0000000	0.00	0.0010010	2.29	0.0000000	0.00	3.75888	2.28	0.1673488	0.32	0.0000000	0.00	0.549057	0.18	0.0002699	13.02	0.0000000	0.00	45.6368	0.09	0.0025395	2.64	993.626	0.09	264.588	0.32	0.0000000	0.00	0.1744696	2.66
16D06645	2.8 %		2.093428	0.29	0.0000000	0.00	0.0014521	1.55	0.0000023	114.58	5.45288	1.55	0.3912618	0.29	0.0000000	0.00	0.828858	0.18	0.0003915	12.91	0.0236772	114.59	68.8936	0.08	0.0036840	2.03	1494.599	0.12	618.608	0.29	0.0000000	0.00	0.2633801	2.66
16D06647	3.2 %		0.802843	0.33	0.0000000	0.00	0.0010222	2.29	0.0000000	0.00	3.83837	2.28	0.1500513	0.33	0.0000000	0.00	0.670393	0.18	0.0002756	13.02	0.0000000	0.00	55.7221	0.08	0.0025932	2.64	1211.997	0.06	237.240	0.33	0.0000000	0.00	0.2130257	2.66
16D06648	3.6 %		1.441802	0.31	0.0000000	0.00	0.0011110	2.08	0.0000017	157.67	4.17201	2.07	0.2694728	0.31	0.0000000	0.00	0.753828	0.18	0.0002996	12.99	0.0171438	157.67	62.6572	0.08	0.0028186	2.45	1363.166	0.10	426.052	0.31	0.0000000	0.00	0.2395383	2.66
16D06649	4.0 %		0.781381	0.33	0.0000000	0.00	0.0009504	2.39	0.0000000	0.00	3.56902	2.38	0.1460400	0.33	0.0000000	0.00	0.674115	0.18	0.0002563	13.04	0.0000000	0.00	56.0315	0.08	0.0024112	2.72	1219.004	0.06	230.898	0.33	0.0000000	0.00	0.2142085	2.66
16D06651	4.5 %		0.421846	0.37	0.0000000	0.00	0.0007900	2.88	0.0000015	171.26	2.96669	2.88	0.0788429	0.37	0.0000000	0.00	0.580723	0.18	0.0002130	13.14	0.0159136	171.26	48.2688	0.08	0.0020043	3.17	1050.936	0.04	124.655	0.37	0.0000000	0.00	0.1845318	2.66
16D06652	5.0 %		0.407790	0.38	0.0000000	0.00	0.0006848	3.17	0.0000009	295.27	2.57168	3.16	0.0762160	0.38	0.0000000	0.00	0.501469	0.18	0.0001846	13.20	0.0093247	295.28	41.6814	0.09	0.0017374	3.43	907.878	0.05	120.502	0.38	0.0000000	0.00	0.1593481	2.66
16D06653	5.5 %	✓	1.110716	0.31	0.0000000	0.00	0.0014003	1.64	0.0000024	106.64	5.25849	1.63	0.2075929	0.31	0.0000000	0.00	0.927261	0.18	0.0003776	12.92	0.0249760	106.64	77.0727	0.07	0.0035526	2.10	1672.615	0.06	328.217	0.31	0.0000000	0.00	0.2946488	2.66
16D06655	6.0 %	✓	0.657357	0.34	0.0000000	0.00	0.0010988	2.08	0.0000027	98.65	4.12627	2.07	0.1228600	0.34	0.0000000	0.00	0.809943	0.18	0.0002963	12.99	0.0278383	98.65	67.3213	0.08	0.0027877	2.46	1463.400	0.05	194.249	0.34	0.0000000	0.00	0.2573694	2.66
16D06656	6.7 %	✓	1.397404	0.31	0.0000000	0.00	0.0016837	1.33	0.0000036	74.00	6.32264	1.32	0.2611749	0.31	0.0000000	0.00	1.163432	0.18	0.0004540	12.89	0.0369520	74.01	96.7029	0.07	0.0042716	1.87	2100.641	0.06	412.933	0.31	0.0000000	0.00	0.3696950	2.66
16D06657	7.4 %	✓	1.433776	0.30	0.0000000	0.00	0.0018933	1.26	0.0000000	0.00	7.10979	1.25	0.2679727	0.30	0.0000000	0.00	1.310196	0.18	0.0005105	12.88	0.0000000	0.00	108.9016	0.07	0.0048034	1.82	2362.750	0.05	423.681	0.30	0.0000000	0.00	0.4163310	2.66
16D06659	8.3 %	✓	2.400971	0.29	0.0000000	0.00	0.0027505	0.87	0.0000007	362.37	10.32852	0.86	0.4487415	0.29	0.0000000	0.00	1.712926	0.17	0.0007416	12.85	0.0074674	362.37	142.3761	0.07	0.0069779	1.57	3086.066	0.07	709.487	0.29	0.0000000	0.00	0.5443037	2.66
16D06660	9.5 %	✓	3.195362	0.29	0.0000000	0.00	0.0036595	0.72	0.0000010	269.45	13.74213	0.70	0.5972132	0.29	0.0000000	0.00	2.024168	0.17	0.0009867	12.84	0.0103625	269.45	168.2460	0.07	0.0092842	1.50	3643.557	0.07	944.230	0.29	0.0000000	0.00	0.6432044	2.66
16D06661	11.0 %	✓	4.013643	0.28	0.0000000	0.00	0.0046836	0.58	0.0000029	91.60	17.58779	0.56	0.7501499	0.28	0.0000000	0.00	2.255906	0.17	0.0012628	12.83	0.0296337	91.61	187.5077	0.07	0.0118823	1.44	4061.317	0.08	1186.032	0.28	0.0000000	0.00	0.7168421	2.66
16D06663	13.0 %	✓	6.864692	0.28	0.0000000	0.00	0.0047263	0.56	0.0000083	33.33	17.74787	0.54	1.2830109	0.28	0.0000000	0.00	2.032718	0.17	0.0012743	12.83	0.0854131	33.34	168.9567	0.07	0.0119905	1.43	3656.957	0.16	2028.517	0.28	0.0000000	0.00	0.6459214	2.66
16D06664	15.5 %	✓	3.640788	0.29	0.0000000	0.00	0.0026341	0.87	0.0000072	37.21	9.89148	0.86	0.6804632	0.29	0.0000000	0.00	1.340401	0.18	0.0007102	12.85	0.0745792	37.22	111.4123	0.07	0.0066827	1.57	2415.034	0.13	1075.853	0.29	0.0000000	0.00	0.4259292	2.66
16D06666	18.5 %	✓	3.431779	0.28	0.0000000	0.00	0.0018580	1.29	0.0000056	47.63	6.97717	1.28	0.6413995	0.28	0.0000000	0.00	0.666945	0.18	0.0005010	12.88	0.0579683	47.64	55.4355	0.08	0.0047138	1.84	1202.997	0.24	1014.091	0.28	0.0000000	0.00	0.2119300	2.66
16D06667	21.5 %	✓	1.123175	0.32	0.0000000	0.00	0.0006592	3.26	0.0000035	76.05	2.47538	3.26	0.2099215	0.32	0.0000000	0.00	0.225139	0.21	0.0001777	13.23	0.0362596	76.05	18.7133	0.14	0.0016724	3.51	406.733	0.26	331.898	0.32	0.0000000	0.00	0.0715409	2.66
16D06669	24.5 %	✓	1.281767	0.31	0.0000000	0.00	0.0005526	3.99	0.0000015	176.27	2.07522	3.98	0.2395623	0.31	0.0000000	0.00	0.236371	0.21	0.0001490	13.42	0.0155285	176.27	19.6468	0.13	0.0014020	4.20	427.679	0.28	378.762	0.31	0.0000000	0.00	0.0751099	2.66
		Σ	41.941471	0.08	0.0000000	0.00	0.0386749	0.29	0.0000561	20.05	145.23053	0.29	7.8388610	0.08	0.0000000	0.00	21.441146	0.04	0.0104276	3.29	0.5781992	20.05	1782.1582	0.02	0.0981177	0.44	38666.285	0.02	12393.705	0.08	0.0000000	0.00	6.8131910	0.65
		Σ							41.980202	0.08	145.23053	0.29									29.868634	0.39			1782.2564	0.02							51066.803	0.03

Additional Parameters			40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
16D06638	1.0 %		30.934087	0.025402	0.079331	0.001662	0.031506	0.000097	59.643	3.256124	1.00042181	7.630E-11
16D06640	1.4 %		28.775989	0.024851	0.086712	0.001792	0.024030	0.000077	59.654	3.256839	1.00042189	6.449E-11
16D06641	1.8 %		28.882099	0.023995	0.088094	0.001663	0.024301	0.000076	59.660	3.257241	1.00042193	7.040E-11
16D06643	2.0 %		27.063077	0.026585	0.082786	0.002567	0.017888	0.000063	59.672	3.258001	1.00042202	4.174E-11
16D06644	2.4 %		27.572449	0.023605	0.082360	0.001882	0.019641	0.000066	59.678	3.258358	1.00042206	6.040E-11
16D06645	2.8 %		30.675689	0.023199	0.079145	0.001226	0.030406	0.000092	59.684	3.258760	1.00042210	1.014E-10
16D06647	3.2 %		26.010903	0.021053	0.068881	0.001572	0.014426	0.000048	59.695	3.259476	1.00042218	6.957E-11
16D06648	3.6 %		28.558227	0.022595	0.066582	0.001379	0.023028	0.000073	59.701	3.259878	1.00042222	8.589E-11
16D06649	4.0 %		25.879254	0.020791	0.063694	0.001519	0.013962	0.000048	59.707	3.260236	1.00042226	6.961E-11
16D06651	4.5 %		24.357887	0.020155	0.061459	0.001769	0.008756	0.000033	59.719	3.260996	1.00042235	5.644E-11
16D06652	5.0 %		24.675161	0.021670	0.061696	0.001952	0.009800	0.000038	59.725	3.261399	1.00042239	4.937E-11
16D06653	5.5 %	✓	25.962958	0.019423	0.068225	0.001115	0.014429	0.000045	59.731	3.261757	1.00042243	9.605E-11
16D06655	6.0 %	✓	24.625742	0.018970	0.061290	0.001272	0.009780	0.000034	59.742	3.262517	1.00042251	7.958E-11
16D06656	6.7 %	✓	25.995436	0.018926	0.065379	0.000867	0.014467	0.000045	59.749	3.262920	1.00042256	1.207E-10
16D06657	7.4 %	✓	25.589370	0.018225	0.065284	0.000819	0.013183	0.000041	59.754	3.263278	1.00042260	1.338E-10
16D06659	8.3 %	✓	26.661161	0.018659	0.072540	0.000624	0.016882	0.000050	59.766	3.264039	1.00042268	1.822E-10
16D06660	9.5 %	✓	27.270644	0.018886	0.081674	0.000578	0.019013	0.000056	59.772	3.264442	1.00042272	2.202E-10
16D06661	11.0 %	✓	27.986751	0.019296	0.093792	0.000532	0.021429	0.000063	59.778	3.264800	1.00042276	2.519E-10
16D06663	13.0 %	✓	33.651914	0.023197	0.105036	0.000571	0.040655	0.000117	59.790	3.265562	1.00042285	2.729E-10
16D06664	15.5 %	✓	31.334990	0.022364	0.088777	0.000765	0.032700	0.000097	59.796	3.265965	1.00042289	1.676E-10
16D06666	18.5 %	✓	39.994424	0.031750	0.125850	0.001613	0.061934	0.000183	59.807	3.266682	1.00042297	1.064E-10
16D06667	21.5 %	✓	39.471255	0.055378	0.132268	0.004312	0.060050	0.000208	59.813	3.267085	1.00042301	3.546E-11
16D06669	24.5 %	✓	41.047771	0.053963	0.105619	0.004208	0.065264	0.000220	59.825	3.267847	1.00042310	3.871E-11

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
16D06638	1.0 %	0.0045913 ± 0.0001994	0.0279897 ± 0.0181213	0.0506766 ± 0.0210002	0.0028018 ± 0.0153620	1.3381467 ± 0.0829038
16D06640	1.4 %	0.0064685 ± 0.0001994	0.0262922 ± 0.0181213	0.0460898 ± 0.0210002	0.0056511 ± 0.0153620	1.9988400 ± 0.0829038
16D06641	1.8 %	0.0071615 ± 0.0001994	0.0265189 ± 0.0181213	0.0439177 ± 0.0210002	0.0110271 ± 0.0153620	2.2368636 ± 0.0829038
16D06643	2.0 %	0.0079008 ± 0.0001994	0.0284405 ± 0.0181213	0.0406692 ± 0.0210002	0.0209743 ± 0.0153620	2.4805216 ± 0.0829038
16D06644	2.4 %	0.0080387 ± 0.0001994	0.0297574 ± 0.0181213	0.0395343 ± 0.0210002	0.0251265 ± 0.0153620	2.5206975 ± 0.0829038
16D06645	2.8 %	0.0080664 ± 0.0001994	0.0313795 ± 0.0181213	0.0385561 ± 0.0210002	0.0291186 ± 0.0153620	2.5218957 ± 0.0829038
16D06647	3.2 %	0.0078582 ± 0.0001994	0.0342647 ± 0.0181213	0.0375671 ± 0.0210002	0.0339141 ± 0.0153620	2.4380334 ± 0.0829038
16D06648	3.6 %	0.0076354 ± 0.0001994	0.0357140 ± 0.0181213	0.0374034 ± 0.0210002	0.0350955 ± 0.0153620	2.3574200 ± 0.0829038
16D06649	4.0 %	0.0073937 ± 0.0001994	0.0368172 ± 0.0181213	0.0374710 ± 0.0210002	0.0351481 ± 0.0153620	2.2731945 ± 0.0829038
16D06651	4.5 %	0.0067992 ± 0.0001994	0.0384107 ± 0.0181213	0.0381776 ± 0.0210002	0.0320694 ± 0.0153620	2.0752753 ± 0.0829038
16D06652	5.0 %	0.0064656 ± 0.0001994	0.0387859 ± 0.0181213	0.0387921 ± 0.0210002	0.0287309 ± 0.0153620	1.9692415 ± 0.0829038
16D06653	5.5 %	0.0061702 ± 0.0001994	0.0388383 ± 0.0181213	0.0394307 ± 0.0210002	0.0248486 ± 0.0153620	1.8784450 ± 0.0829038
16D06655	6.0 %	0.0055737 ± 0.0001994	0.0381298 ± 0.0181213	0.0409018 ± 0.0210002	0.0141764 ± 0.0153620	1.7050184 ± 0.0829038
16D06656	6.7 %	0.0052856 ± 0.0001994	0.0373760 ± 0.0181213	0.0416347 ± 0.0210002	0.0075212 ± 0.0153620	1.6267256 ± 0.0829038
16D06657	7.4 %	0.0050489 ± 0.0001994	0.0365509 ± 0.0181213	0.0421895 ± 0.0210002	0.0012628 ± 0.0153620	1.5654556 ± 0.0829038
16D06659	8.3 %	0.0046066 ± 0.0001994	0.0346035 ± 0.0181213	0.0428203 ± 0.0210002	0.0121622 ± 0.0153620	1.4583626 ± 0.0829038
16D06660	9.5 %	0.0044011 ± 0.0001994	0.0336657 ± 0.0181213	0.0427047 ± 0.0210002	0.0187295 ± 0.0153620	1.4107652 ± 0.0829038
16D06661	11.0 %	0.0042295 ± 0.0001994	0.0330256 ± 0.0181213	0.0422477 ± 0.0210002	0.0238489 ± 0.0153620	1.3704907 ± 0.0829038
16D06663	13.0 %	0.0038720 ± 0.0001994	0.0327916 ± 0.0181213	0.0398531 ± 0.0210002	0.0310281 ± 0.0153620	1.2767371 ± 0.0829038
16D06664	15.5 %	0.0036667 ± 0.0001994	0.0336154 ± 0.0181213	0.0376146 ± 0.0210002	0.0319021 ± 0.0153620	1.2125826 ± 0.0829038
16D06666	18.5 %	0.0032202 ± 0.0001994	0.0374909 ± 0.0181213	0.0315505 ± 0.0210002	0.0263564 ± 0.0153620	1.0475798 ± 0.0829038
16D06667	21.5 %	0.0028932 ± 0.0001994	0.0414331 ± 0.0181213	0.0267593 ± 0.0210002	0.0181875 ± 0.0153620	0.9119005 ± 0.0829038
16D06669	24.5 %	0.0020401 ± 0.0001994	0.0534379 ± 0.0181213	0.0144597 ± 0.0210002	0.0099694 ± 0.0153620	0.5313395 ± 0.0829038

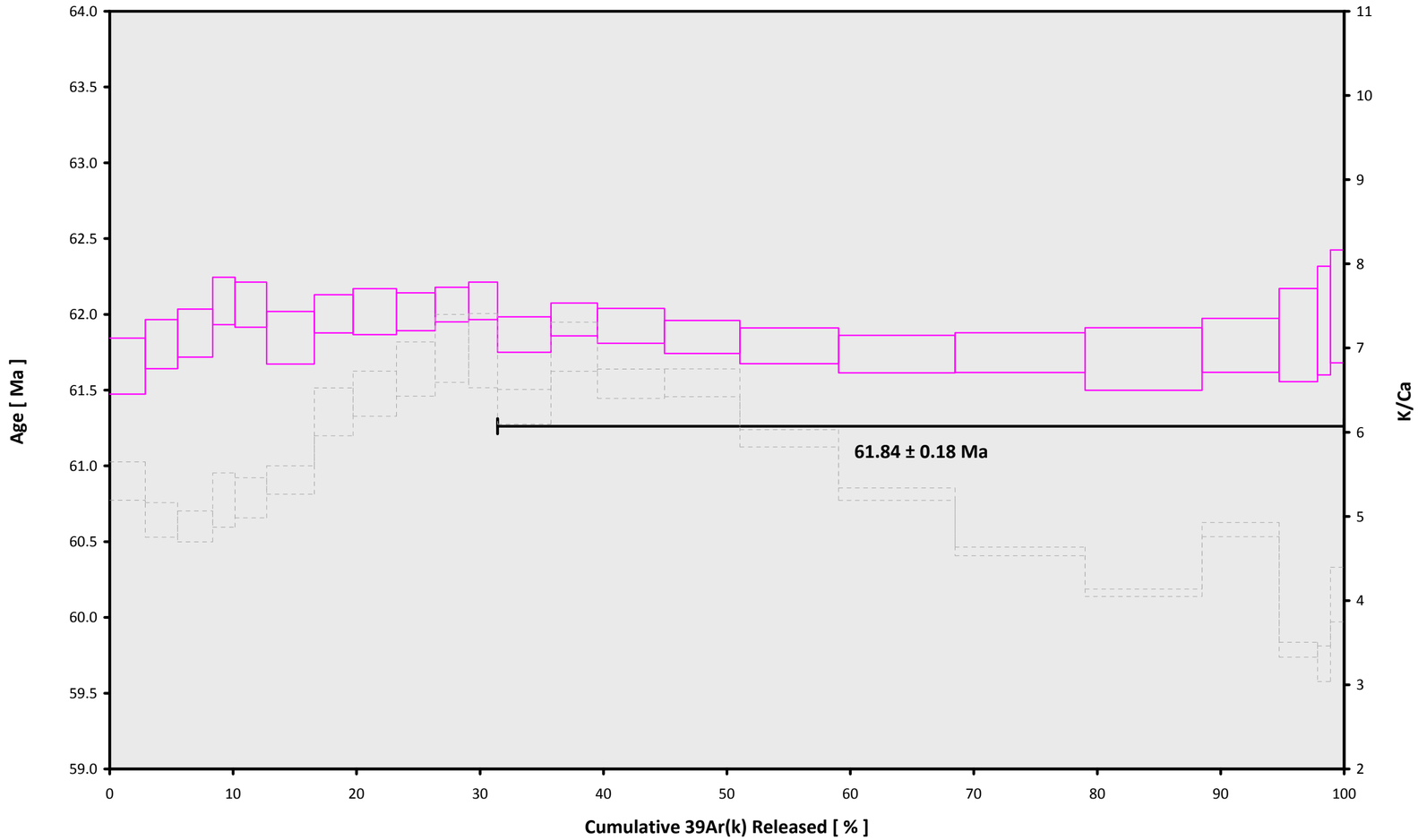
Intercept Values		36Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	37Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	38Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	39Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	40Ar ± 1σ (SE) [fA]	r2	Regression (type,n)
16D06638	1.0 %	1.5385332 ± 0.0017779	0.9705	EXP 150 of 150	1.1958942 ± 0.0178226	0.1672	EXP 150 of 150	0.9729516 ± 0.0164830	0.1086	EXP 149 of 150	50.976998 ± 0.018534	0.9969	EXP 150 of 150	1590.88005 ± 0.06627	0.9999	EXP 150 of 150
16D06640	1.4 %	1.0694542 ± 0.0015047	0.9480	EXP 150 of 150	1.1888570 ± 0.0170586	0.0551	EXP 150 of 150	0.7887961 ± 0.0148578	0.0327	EXP 150 of 150	46.323794 ± 0.019812	0.9957	EXP 150 of 150	1345.43795 ± 0.06194	0.9999	EXP 150 of 150
16D06641	1.8 %	1.1763783 ± 0.0015030	0.9572	EXP 149 of 150	1.3160668 ± 0.0173321	0.0921	EXP 149 of 150	0.9325342 ± 0.0161424	0.1831	EXP 150 of 150	50.389755 ± 0.019200	0.9966	EXP 150 of 150	1468.83980 ± 0.06408	0.9999	EXP 150 of 150
16D06643	2.0 %	0.5525556 ± 0.0010420	0.8725	EXP 150 of 150	0.7698030 ± 0.0167132	0.0884	EXP 150 of 150	0.5561663 ± 0.0153207	0.0658	EXP 150 of 150	31.902015 ± 0.016693	0.9935	EXP 150 of 150	872.13415 ± 0.04525	0.9998	EXP 150 of 150
16D06644	2.4 %	0.8573757 ± 0.0014575	0.9182	EXP 150 of 150	1.0980123 ± 0.0180499	0.1280	EXP 150 of 150	0.7280715 ± 0.0161503	0.0098	EXP 149 of 150	45.304765 ± 0.018395	0.9961	EXP 150 of 150	1260.90980 ± 0.04966	0.9999	EXP 150 of 150
16D06645	2.8 %	1.9929785 ± 0.0019764	0.9778	EXP 150 of 150	1.6044368 ± 0.0171167	0.2469	EXP 149 of 150	1.2641410 ± 0.0163417	0.1646	EXP 150 of 150	68.383316 ± 0.018322	0.9983	EXP 150 of 150	2115.99240 ± 0.07257	0.9999	EXP 150 of 150
16D06647	3.2 %	0.7695245 ± 0.0013236	0.9038	EXP 150 of 150	1.1169594 ± 0.0187565	0.0901	EXP 150 of 150	0.8315035 ± 0.0171246	0.0374	EXP 150 of 150	55.319400 ± 0.019658	0.9971	EXP 150 of 150	1451.88812 ± 0.05286	0.9999	EXP 150 of 150
16D06648	3.6 %	1.3748042 ± 0.0018316	0.9549	EXP 150 of 150	1.2154241 ± 0.0181993	0.0654	EXP 150 of 150	1.0625859 ± 0.0162340	0.1234	EXP 150 of 150	62.201181 ± 0.021015	0.9973	EXP 150 of 150	1791.81532 ± 0.07205	0.9999	EXP 150 of 150
16D06649	4.0 %	0.7486563 ± 0.0013871	0.8822	EXP 150 of 150	1.0333729 ± 0.0177212	0.0731	EXP 149 of 150	0.8337174 ± 0.0159613	0.0140	EXP 150 of 150	55.627400 ± 0.019058	0.9973	EXP 150 of 150	1452.38925 ± 0.05349	0.9999	EXP 150 of 150
16D06651	4.5 %	0.4072501 ± 0.0009500	0.6431	EXP 150 of 150	0.8509612 ± 0.0179216	0.1358	EXP 150 of 150	0.7037663 ± 0.0166636	0.0660	EXP 150 of 150	47.922439 ± 0.017114	0.9971	EXP 150 of 150	1177.85126 ± 0.05492	0.9999	EXP 150 of 150
16D06652	5.0 %	0.3934988 ± 0.0009985	0.6096	EXP 150 of 150	0.7320725 ± 0.0161871	0.0697	EXP 150 of 150	0.6172066 ± 0.0171184	0.0215	EXP 150 of 150	41.383341 ± 0.017414	0.9958	EXP 150 of 150	1030.50814 ± 0.05211	0.9998	EXP 150 of 150
16D06653	5.5 %	1.0599087 ± 0.0014255	0.9405	EXP 149 of 150	1.5372130 ± 0.0177748	0.2106	EXP 150 of 150	1.1822900 ± 0.0155523	0.1598	EXP 150 of 150	76.493522 ± 0.020178	0.9984	EXP 150 of 150	2003.00499 ± 0.06581	0.9999	EXP 150 of 150
16D06655	6.0 %	0.6294666 ± 0.0012131	0.8366	EXP 150 of 150	1.1982885 ± 0.0178391	0.1032	EXP 150 of 150	0.9874706 ± 0.0169366	0.1280	EXP 150 of 150	66.807614 ± 0.020003	0.9980	EXP 150 of 150	1659.61131 ± 0.06353	0.9999	EXP 150 of 150
16D06656	6.7 %	1.3309323 ± 0.0018012	0.9404	EXP 150 of 150	1.8569430 ± 0.0166072	0.2747	EXP 149 of 150	1.4817865 ± 0.0166110	0.2317	EXP 150 of 150	95.952354 ± 0.022568	0.9988	EXP 150 of 150	2515.57059 ± 0.08404	0.9999	EXP 150 of 150
16D06657	7.4 %	1.3653531 ± 0.0017014	0.9512	EXP 150 of 150	2.0933730 ± 0.0187254	0.2671	EXP 150 of 150	1.5915678 ± 0.0173002	0.1261	EXP 150 of 150	108.049257 ± 0.021163	0.9991	EXP 150 of 150	2788.41286 ± 0.08211	1.0000	EXP 150 of 150
16D06659	8.3 %	2.2821458 ± 0.0022104	0.9758	EXP 150 of 150	3.0588509 ± 0.0175647	0.5244	EXP 150 of 150	2.1802517 ± 0.0158368	0.2388	EXP 150 of 150	141.248538 ± 0.024402	0.9993	EXP 150 of 150	3797.55563 ± 0.10371	1.0000	EXP 150 of 150
16D06660	9.5 %	3.0354916 ± 0.0027434	0.9804	EXP 150 of 150	4.0816790 ± 0.0197993	0.5891	EXP 150 of 150	2.6360680 ± 0.0169764	0.3743	EXP 150 of 150	166.910251 ± 0.025517	0.9995	EXP 150 of 150	4589.84048 ± 0.10926	1.0000	EXP 150 of 150
16D06661	11.0 %	3.8116173 ± 0.0028567	0.9867	EXP 150 of 150	5.2333975 ± 0.0189181	0.6781	EXP 149 of 150	3.0337891 ± 0.0154318	0.4211	EXP 150 of 150	186.017624 ± 0.026881	0.9995	EXP 150 of 150	5249.43567 ± 0.12015	1.0000	EXP 150 of 150
16D06663	13.0 %	6.5126889 ± 0.0037794	0.9931	EXP 150 of 150	5.2803254 ± 0.0171440	0.7112	EXP 150 of 150	3.3913939 ± 0.0173089	0.4792	EXP 150 of 150	167.605710 ± 0.023203	0.9996	EXP 150 of 150	5687.39605 ± 0.12765	1.0000	EXP 150 of 150
16D06664	15.5 %	3.4558344 ± 0.0030035	0.9833	EXP 150 of 150	2.9271961 ± 0.0159997	0.5423	EXP 150 of 150	2.1024252 ± 0.0169987	0.3099	EXP 150 of 150	110.508777 ± 0.022618	0.9990	EXP 150 of 150	3492.52492 ± 0.09532	1.0000	EXP 150 of 150
16D06666	18.5 %	3.2566145 ± 0.0024921	0.9882	EXP 150 of 150	2.0505243 ± 0.0188242	0.2172	EXP 150 of 150	1.3779264 ± 0.0170401	0.1156	EXP 150 of 150	54.976845 ± 0.017636	0.9974	EXP 150 of 150	2218.34766 ± 0.07366	0.9999	EXP 150 of 150
16D06667	21.5 %	1.0677356 ± 0.0016748	0.9459	EXP 150 of 150	0.6992685 ± 0.0158021	0.1884	EXP 150 of 150	0.4912074 ± 0.0171932	0.0343	EXP 150 of 150	18.549236 ± 0.016826	0.9755	EXP 150 of 150	739.61456 ± 0.04200	0.9995	EXP 150 of 150
16D06669	24.5 %	1.2170460 ± 0.0017710	0.9555	EXP 150 of 150	0.5673783 ± 0.0167381	0.0090	EXP 149 of 150	0.4987196 ± 0.0168733	0.0013	EXP 150 of 150	19.503322 ± 0.015665	0.9822	EXP 150 of 150	807.04778 ± 0.05088	0.9996	EXP 150 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
16D06638	1.0 %	Susan Schnur	15-OSU-07	0.00	0.00	51.69	Walvis Ridge\MV1203 (13-INT-04)	16D06637	01
16D06640	1.4 %	Susan Schnur	15-OSU-07	0.00	0.00	51.69	Walvis Ridge\MV1203 (13-INT-04)	16D06637	01
16D06641	1.8 %	Susan Schnur	15-OSU-07	0.00	0.00	51.69	Walvis Ridge\MV1203 (13-INT-04)	16D06637	01
16D06643	2.0 %	Susan Schnur	15-OSU-07	0.00	0.00	51.69	Walvis Ridge\MV1203 (13-INT-04)	16D06637	01
16D06644	2.4 %	Susan Schnur	15-OSU-07	0.00	0.00	51.69	Walvis Ridge\MV1203 (13-INT-04)	16D06637	01
16D06645	2.8 %	Susan Schnur	15-OSU-07	0.00	0.00	51.69	Walvis Ridge\MV1203 (13-INT-04)	16D06637	01
16D06647	3.2 %	Susan Schnur	15-OSU-07	0.00	0.00	51.69	Walvis Ridge\MV1203 (13-INT-04)	16D06637	01
16D06648	3.6 %	Susan Schnur	15-OSU-07	0.00	0.00	51.69	Walvis Ridge\MV1203 (13-INT-04)	16D06637	01
16D06649	4.0 %	Susan Schnur	15-OSU-07	0.00	0.00	51.69	Walvis Ridge\MV1203 (13-INT-04)	16D06637	01
16D06651	4.5 %	Susan Schnur	15-OSU-07	0.00	0.00	51.69	Walvis Ridge\MV1203 (13-INT-04)	16D06637	01
16D06652	5.0 %	Susan Schnur	15-OSU-07	0.00	0.00	51.69	Walvis Ridge\MV1203 (13-INT-04)	16D06637	01
16D06653	5.5 %	Susan Schnur	15-OSU-07	0.00	0.00	51.69	Walvis Ridge\MV1203 (13-INT-04)	16D06637	01
16D06655	6.0 %	Susan Schnur	15-OSU-07	0.00	0.00	51.69	Walvis Ridge\MV1203 (13-INT-04)	16D06637	01
16D06656	6.7 %	Susan Schnur	15-OSU-07	0.00	0.00	51.69	Walvis Ridge\MV1203 (13-INT-04)	16D06637	01
16D06657	7.4 %	Susan Schnur	15-OSU-07	0.00	0.00	51.69	Walvis Ridge\MV1203 (13-INT-04)	16D06637	01
16D06659	8.3 %	Susan Schnur	15-OSU-07	0.00	0.00	51.69	Walvis Ridge\MV1203 (13-INT-04)	16D06637	01
16D06660	9.5 %	Susan Schnur	15-OSU-07	0.00	0.00	51.69	Walvis Ridge\MV1203 (13-INT-04)	16D06637	01
16D06661	11.0 %	Susan Schnur	15-OSU-07	0.00	0.00	51.69	Walvis Ridge\MV1203 (13-INT-04)	16D06637	01
16D06663	13.0 %	Susan Schnur	15-OSU-07	0.00	0.00	51.69	Walvis Ridge\MV1203 (13-INT-04)	16D06637	01
16D06664	15.5 %	Susan Schnur	15-OSU-07	0.00	0.00	51.69	Walvis Ridge\MV1203 (13-INT-04)	16D06637	01
16D06666	18.5 %	Susan Schnur	15-OSU-07	0.00	0.00	51.69	Walvis Ridge\MV1203 (13-INT-04)	16D06637	01
16D06667	21.5 %	Susan Schnur	15-OSU-07	0.00	0.00	51.69	Walvis Ridge\MV1203 (13-INT-04)	16D06637	01
16D06669	24.5 %	Susan Schnur	15-OSU-07	0.00	0.00	51.69	Walvis Ridge\MV1203 (13-INT-04)	16D06637	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
16D06638	1.0 %	MV1203-D16-11	K-Feldspar	Bulkington West	FCT-NM (7A30-15)	28.201	0.082	Kuiper et al (2008)	9.80048	0.145	0.00160374	0.145	304.599	0.137	0.9925223	0.067	1	4.8E-14	16	FEB	2016	5	55	1
16D06640	1.4 %	MV1203-D16-11	K-Feldspar	Bulkington West	FCT-NM (7A30-15)	28.201	0.082	Kuiper et al (2008)	9.80048	0.145	0.00160374	0.145	304.599	0.137	0.9925223	0.067	1	4.8E-14	16	FEB	2016	6	11	1
16D06641	1.8 %	MV1203-D16-11	K-Feldspar	Bulkington West	FCT-NM (7A30-15)	28.201	0.082	Kuiper et al (2008)	9.80048	0.145	0.00160374	0.145	304.599	0.137	0.9925223	0.067	1	4.8E-14	16	FEB	2016	6	20	1
16D06643	2.0 %	MV1203-D16-11	K-Feldspar	Bulkington West	FCT-NM (7A30-15)	28.201	0.082	Kuiper et al (2008)	9.80048	0.145	0.00160374	0.145	304.599	0.137	0.9925223	0.067	1	4.8E-14	16	FEB	2016	6	37	1
16D06644	2.4 %	MV1203-D16-11	K-Feldspar	Bulkington West	FCT-NM (7A30-15)	28.201	0.082	Kuiper et al (2008)	9.80048	0.145	0.00160374	0.145	304.599	0.137	0.9925223	0.067	1	4.8E-14	16	FEB	2016	6	45	1
16D06645	2.8 %	MV1203-D16-11	K-Feldspar	Bulkington West	FCT-NM (7A30-15)	28.201	0.082	Kuiper et al (2008)	9.80048	0.145	0.00160374	0.145	304.599	0.137	0.9925223	0.067	1	4.8E-14	16	FEB	2016	6	54	1
16D06647	3.2 %	MV1203-D16-11	K-Feldspar	Bulkington West	FCT-NM (7A30-15)	28.201	0.082	Kuiper et al (2008)	9.80048	0.145	0.00160374	0.145	304.599	0.137	0.9925223	0.067	1	4.8E-14	16	FEB	2016	7	10	1
16D06648	3.6 %	MV1203-D16-11	K-Feldspar	Bulkington West	FCT-NM (7A30-15)	28.201	0.082	Kuiper et al (2008)	9.80048	0.145	0.00160374	0.145	304.599	0.137	0.9925223	0.067	1	4.8E-14	16	FEB	2016	7	19	1
16D06649	4.0 %	MV1203-D16-11	K-Feldspar	Bulkington West	FCT-NM (7A30-15)	28.201	0.082	Kuiper et al (2008)	9.80048	0.145	0.00160374	0.145	304.599	0.137	0.9925223	0.067	1	4.8E-14	16	FEB	2016	7	27	1
16D06651	4.5 %	MV1203-D16-11	K-Feldspar	Bulkington West	FCT-NM (7A30-15)	28.201	0.082	Kuiper et al (2008)	9.80048	0.145	0.00160374	0.145	304.599	0.137	0.9925223	0.067	1	4.8E-14	16	FEB	2016	7	44	1
16D06652	5.0 %	MV1203-D16-11	K-Feldspar	Bulkington West	FCT-NM (7A30-15)	28.201	0.082	Kuiper et al (2008)	9.80048	0.145	0.00160374	0.145	304.599	0.137	0.9925223	0.067	1	4.8E-14	16	FEB	2016	7	53	1
16D06653	5.5 %	MV1203-D16-11	K-Feldspar	Bulkington West	FCT-NM (7A30-15)	28.201	0.082	Kuiper et al (2008)	9.80048	0.145	0.00160374	0.145	304.599	0.137	0.9925223	0.067	1	4.8E-14	16	FEB	2016	8	1	1
16D06655	6.0 %	MV1203-D16-11	K-Feldspar	Bulkington West	FCT-NM (7A30-15)	28.201	0.082	Kuiper et al (2008)	9.80048	0.145	0.00160374	0.145	304.599	0.137	0.9925223	0.067	1	4.8E-14	16	FEB	2016	8	18	1
16D06656	6.7 %	MV1203-D16-11	K-Feldspar	Bulkington West	FCT-NM (7A30-15)	28.201	0.082	Kuiper et al (2008)	9.80048	0.145	0.00160374	0.145	304.599	0.137	0.9925223	0.067	1	4.8E-14	16	FEB	2016	8	27	1
16D06657	7.4 %	MV1203-D16-11	K-Feldspar	Bulkington West	FCT-NM (7A30-15)	28.201	0.082	Kuiper et al (2008)	9.80048	0.145	0.00160374	0.145	304.599	0.137	0.9925223	0.067	1	4.8E-14	16	FEB	2016	8	35	1
16D06659	8.3 %	MV1203-D16-11	K-Feldspar	Bulkington West	FCT-NM (7A30-15)	28.201	0.082	Kuiper et al (2008)	9.80048	0.145	0.00160374	0.145	304.599	0.137	0.9925223	0.067	1	4.8E-14	16	FEB	2016	8	52	1
16D06660	9.5 %	MV1203-D16-11	K-Feldspar	Bulkington West	FCT-NM (7A30-15)	28.201	0.082	Kuiper et al (2008)	9.80048	0.145	0.00160374	0.145	304.599	0.137	0.9925223	0.067	1	4.8E-14	16	FEB	2016	9	1	1
16D06661	11.0 %	MV1203-D16-11	K-Feldspar	Bulkington West	FCT-NM (7A30-15)	28.201	0.082	Kuiper et al (2008)	9.80048	0.145	0.00160374	0.145	304.599	0.137	0.9925223	0.067	1	4.8E-14	16	FEB	2016	9	9	1
16D06663	13.0 %	MV1203-D16-11	K-Feldspar	Bulkington West	FCT-NM (7A30-15)	28.201	0.082	Kuiper et al (2008)	9.80048	0.145	0.00160374	0.145	304.599	0.137	0.9925223	0.067	1	4.8E-14	16	FEB	2016	9	26	1
16D06664	15.5 %	MV1203-D16-11	K-Feldspar	Bulkington West	FCT-NM (7A30-15)	28.201	0.082	Kuiper et al (2008)	9.80048	0.145	0.00160374	0.145	304.599	0.137	0.9925223	0.067	1	4.8E-14	16	FEB	2016	9	35	1
16D06666	18.5 %	MV1203-D16-11	K-Feldspar	Bulkington West	FCT-NM (7A30-15)	28.201	0.082	Kuiper et al (2008)	9.80048	0.145	0.00160374	0.145	304.599	0.137	0.9925223	0.067	1	4.8E-14	16	FEB	2016	9	51	1
16D06667	21.5 %	MV1203-D16-11	K-Feldspar	Bulkington West	FCT-NM (7A30-15)	28.201	0.082	Kuiper et al (2008)	9.80048	0.145	0.00160374	0.145	304.599	0.137	0.9925223	0.067	1	4.8E-14	16	FEB	2016	10	0	1
16D06669	24.5 %	MV1203-D16-11	K-Feldspar	Bulkington West	FCT-NM (7A30-15)	28.201	0.082	Kuiper et al (2008)	9.80048	0.145	0.00160374	0.145	304.599	0.137	0.9925223	0.067	1	4.8E-14	16	FEB	2016	10	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
16D06638	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
16D06640	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
16D06641	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
16D06643	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
16D06644	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
16D06645	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
16D06647	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
16D06648	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
16D06649	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
16D06651	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
16D06652	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
16D06653	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
16D06655	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
16D06656	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
16D06657	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
16D06659	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
16D06660	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
16D06661	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
16D06663	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
16D06664	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
16D06666	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
16D06667	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
16D06669	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

16D06637.AGE >>> MV1203-D16-11 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
61.84 ± 0.18
TOTAL FUSION
61.85 ± 0.18
NORMAL ISOCHRON
61.88 ± 0.20
INVERSE ISOCHRON
61.87 ± 0.20

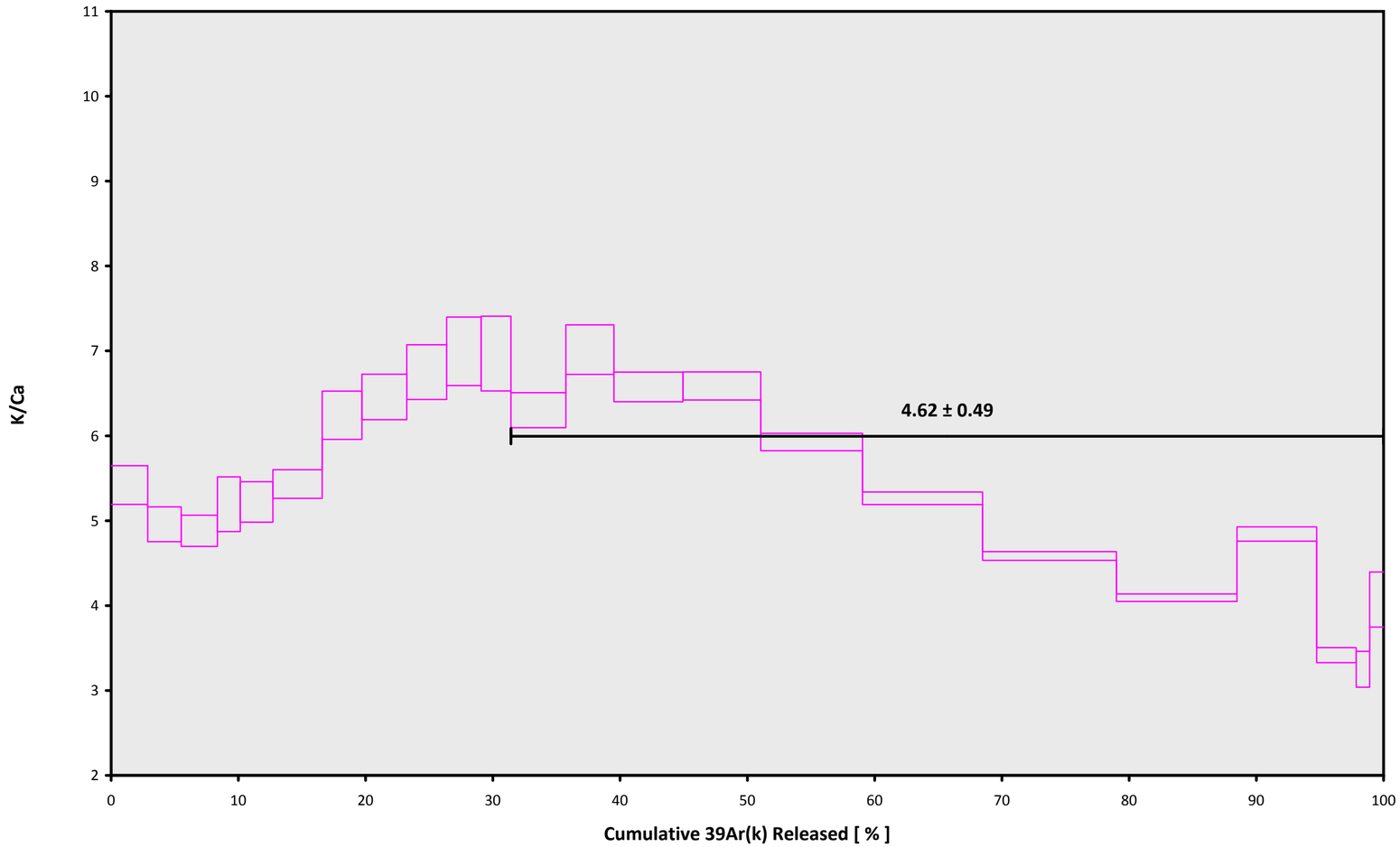
MSWD (PROBABILITY)
1.53 (11%)

Sample Info

K-Feldspar
Bulkington West
Susan Schnur

IRR = 15-OSU-07 (7A30-15)
J = 0.00160374 ± 0.00000233

16D06637.AGE >>> MV1203-D16-11 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

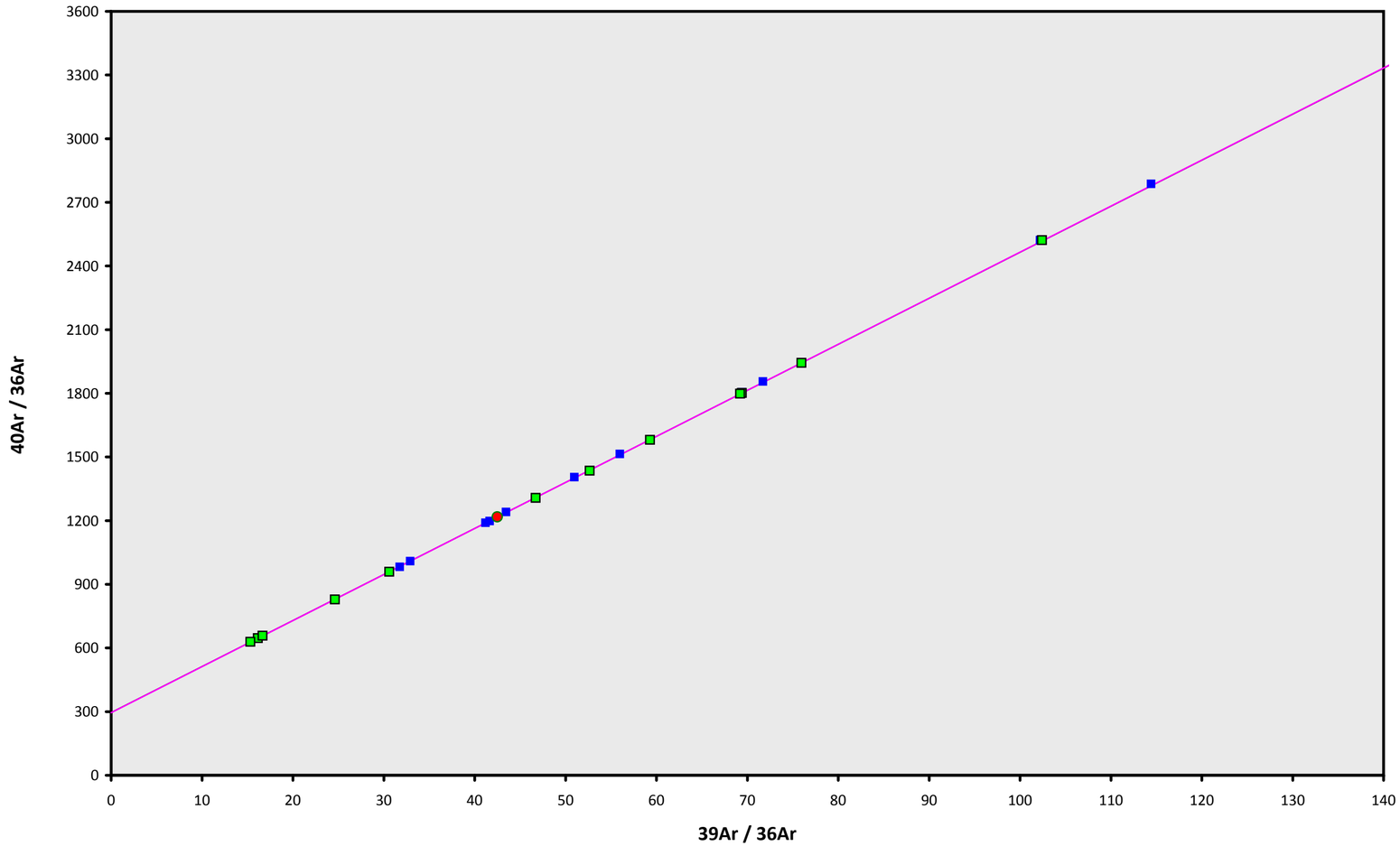
WEIGHTED PLATEAU
61.84 ± 0.18
TOTAL FUSION
61.85 ± 0.18
NORMAL ISOCHRON
61.88 ± 0.20
INVERSE ISOCHRON
61.87 ± 0.20

Sample Info

K-Feldspar
Bulkington West
Susan Schnur

IRR = 15-OSU-07 (7A30-15)
J = 0.00160374 ± 0.00000233

16D06637.AGE >>> MV1203-D16-11 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
61.84 ± 0.18
TOTAL FUSION
61.85 ± 0.18
NORMAL ISOCHRON
61.88 ± 0.20
INVERSE ISOCHRON
61.87 ± 0.20

MSWD (PROBABILITY)
1.62 (9%)

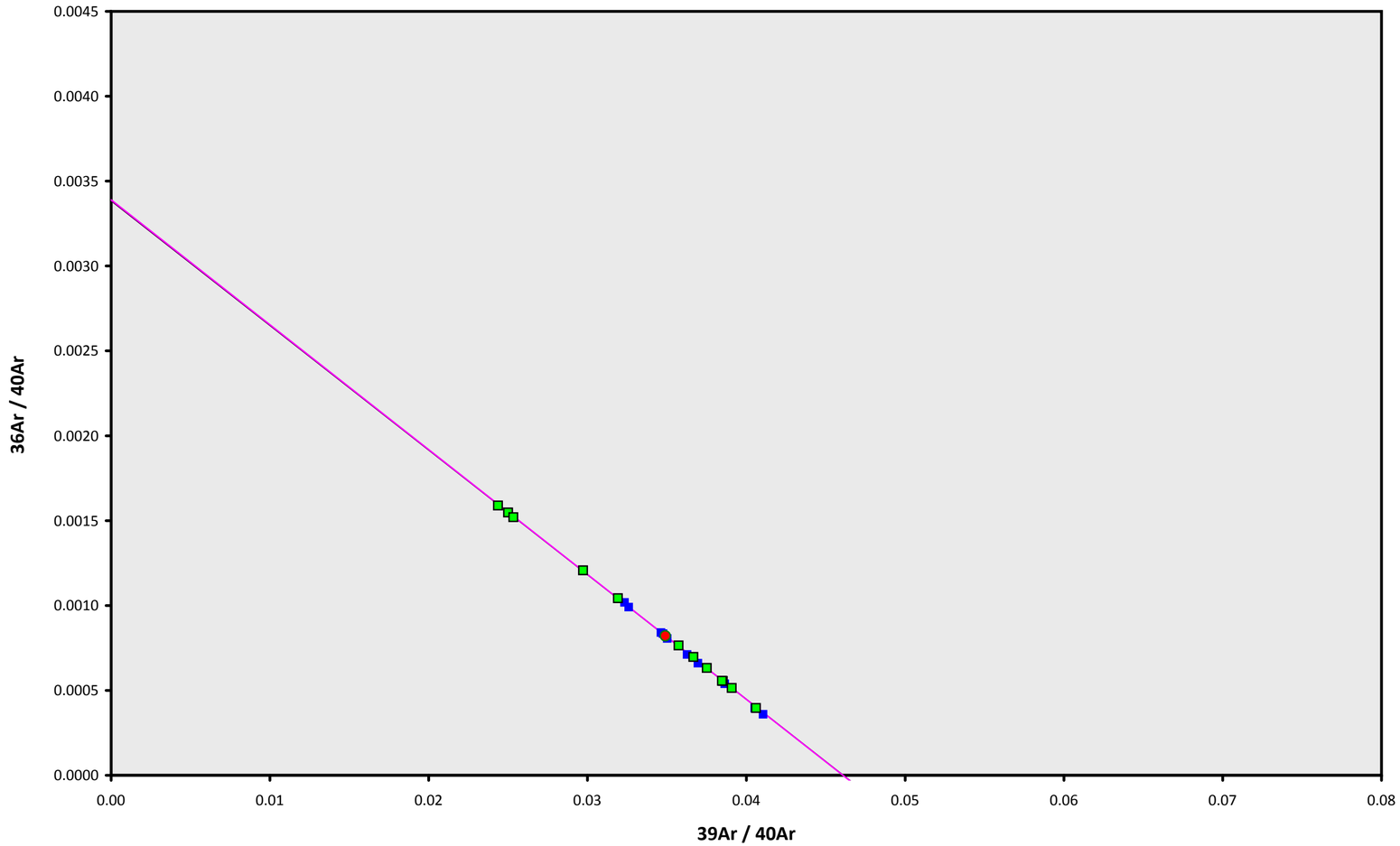
40AR/36AR INTERCEPT
294.9 ± 1.6

Sample Info

K-Feldspar
Bulkington West
Susan Schnur

IRR = 15-OSU-07 (7A30-15)
J = 0.00160374 ± 0.00000233

16D06637.AGE >>> MV1203-D16-11 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
61.84 ± 0.18
TOTAL FUSION
61.85 ± 0.18
NORMAL ISOCHRON
61.88 ± 0.20
INVERSE ISOCHRON
61.87 ± 0.20

MSWD (PROBABILITY)
1.62 (9%)

SPREADING FACTOR
35.3%

40AR/36AR INTERCEPT
295.0 ± 1.6

Sample Info

K-Feldspar
Bulkington West
Susan Schnur

IRR = 15-OSU-07 (7A30-15)
J = 0.00160374 ± 0.00000233