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
16D05485	1.0 %		0.0089732	3.337	0.130233	55.371	0.008725	269.530	2.2137	1.288	50.408	0.086	21.57437 ± 0.56282	66.98 ± 1.72	94.74	0.08	7.3 ± 8.1
16D05487	1.4 %		0.0137123	2.192	0.211710	33.087	0.038985	59.790	6.6189	0.461	139.871	0.033	20.51897 ± 0.19165	63.76 ± 0.59	97.10	0.23	13.4 ± 8.9
16D05488	1.8 %		0.0090447	3.260	0.536999	13.305	0.192253	12.542	17.9113	0.186	360.512	0.014	19.97737 ± 0.07535	62.11 ± 0.23	99.25	0.62	14.3 ± 3.8
16D05490	2.0 %		0.0101597	2.934	0.695330	10.624	0.314541	7.431	26.8517	0.132	536.214	0.010	19.85622 ± 0.05298	61.74 ± 0.16	99.43	0.93	16.6 ± 3.5
16D05491	2.4 %		0.0031036	9.014	0.406485	17.461	0.151852	15.879	15.1549	0.212	302.266	0.017	19.88324 ± 0.08521	61.82 ± 0.26	99.69	0.53	16.0 ± 5.6
16D05492	2.8 %		0.0083391	4.273	1.660172	4.475	0.649484	3.658	56.1611	0.087	1116.507	0.006	19.83545 ± 0.03473	61.68 ± 0.11	99.77	1.95	14.5 ± 1.3
16D05494	3.2 %	✓	0.0086143	4.039	1.965161	3.720	0.787439	2.910	67.4616	0.083	1338.901	0.006	19.80798 ± 0.03290	61.59 ± 0.10	99.80	2.35	14.8 ± 1.1
16D05495	3.6 %	✓	0.0065405	5.081	2.247203	3.174	0.949370	2.429	82.5976	0.077	1637.195	0.004	19.79662 ± 0.03070	61.56 ± 0.09	99.87	2.87	15.8 ± 1.0
16D05496	4.0 %	✓	0.0079993	5.254	3.687371	2.017	1.552890	1.457	132.5862	0.071	2625.615	0.003	19.78400 ± 0.02833	61.52 ± 0.09	99.90	4.61	15.5 ± 0.6
16D05498	4.5 %	✓	0.0084346	5.576	4.093201	1.812	1.718834	1.433	145.1508	0.071	2876.677	0.003	19.80014 ± 0.02811	61.57 ± 0.09	99.91	5.05	15.2 ± 0.6
16D05499	5.0 %	✓	0.0085157	5.113	4.459848	1.605	2.017992	1.234	166.3977	0.070	3298.118	0.003	19.80422 ± 0.02773	61.58 ± 0.08	99.92	5.79	16.0 ± 0.5
16D05500	5.5 %	✓	0.0029397	10.950	1.603759	4.637	0.704871	3.403	55.8387	0.087	1106.898	0.006	19.80643 ± 0.03466	61.59 ± 0.11	99.91	1.94	15.0 ± 1.4
16D05502	6.0 %	✓	0.0087507	5.145	4.571519	1.732	2.020694	1.246	170.7466	0.070	3384.277	0.003	19.80397 ± 0.02774	61.58 ± 0.08	99.91	5.94	16.1 ± 0.6
16D05503	6.7 %	✓	0.0084024	5.301	4.312470	1.776	1.964767	1.281	162.6070	0.070	3224.667	0.003	19.81440 ± 0.02779	61.61 ± 0.08	99.91	5.66	16.2 ± 0.6
16D05504	7.4 %	✓	0.0100680	4.546	4.840647	1.521	2.265891	1.055	186.2883	0.070	3694.776	0.003	19.81625 ± 0.02764	61.62 ± 0.08	99.91	6.48	16.5 ± 0.5
16D05506	8.3 %	✓	0.0170822	3.114	7.948996	0.971	3.682460	0.662	305.5014	0.068	6059.937	0.002	19.81809 ± 0.02694	61.62 ± 0.08	99.91	10.62	16.5 ± 0.3
16D05507	9.5 %	✓	0.0176777	3.351	9.145918	0.811	4.304803	0.590	359.3889	0.068	7126.625	0.002	19.81383 ± 0.02689	61.61 ± 0.08	99.92	12.50	16.9 ± 0.3
16D05508	11.0 %	✓	0.0084804	6.129	5.988194	1.288	2.794907	0.904	232.6440	0.068	4614.237	0.003	19.82167 ± 0.02720	61.63 ± 0.08	99.94	8.09	16.7 ± 0.4
16D05510	13.0 %	✓	0.0121286	4.437	6.585794	1.168	3.043205	0.777	254.8294	0.068	5052.164	0.002	19.81016 ± 0.02704	61.60 ± 0.08	99.92	8.86	16.6 ± 0.4
16D05511	15.5 %	✓	0.0094079	4.905	4.660484	1.631	2.167634	1.154	181.0587	0.070	3590.743	0.003	19.81512 ± 0.02763	61.61 ± 0.08	99.91	6.30	16.7 ± 0.5
16D05513	18.5 %	✓	0.0035307	11.329	2.229135	3.367	1.066492	2.261	88.2230	0.076	1750.925	0.005	19.83327 ± 0.03028	61.67 ± 0.09	99.93	3.07	17.0 ± 1.1
16D05514	21.5 %		0.0074162	5.352	3.106803	2.400	1.480221	1.608	122.2555	0.072	2434.818	0.003	19.89641 ± 0.02877	61.86 ± 0.09	99.90	4.25	16.9 ± 0.8
16D05516	24.5 %		0.0020246	15.868	0.986797	7.652	0.450575	5.405	36.8705	0.108	735.895	0.008	19.94134 ± 0.04345	62.00 ± 0.13	99.91	1.28	16.1 ± 2.5
		Σ	0.2013460	0.984	76.074229	0.468	34.328887	0.337	2875.3574	0.018	57058.246	0.001					

Information on Analysis and Constants Used in Calculations

Project = **MV1203 (13-INT-04)**
Sample = **MV1203-D05-05**
Material = **K-Feldspar**
Location = **Fedallah Guyot**
Region = **Walvis Ridge**
Analyst = **Susan Schnur**
Irradiation = **15-OSU-07 (7A8-15)**
Position = **X: 0 | Y: 0 | Z/H: 15.31 mm**
FCT-NM Age = **28.201 ± 0.023 Ma**
FCT-NM Reference = **Kuiper et al (2008)**
FCT-NM 40Ar/39Ar Ratio = **8.98571 ± 0.01420**
FCT-NM J-value = **0.00174915 ± 0.00000276**
Air Shot 40Ar/36Ar = **304.4080 ± 0.4110**
Air Shot MDF = **0.99267471 ± 0.00066278 (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 = **IESS10059**
Rock Class = **Igneous>Volcanic>Mafic**
Lithology = **Trachyte**
Lat-Lon = **33°04.3'S - 0°06.7'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		19.80995 ± 0.00737 ± 0.04%	**61.60 ± 0.19 ± 0.31%**	0.64 83%	90.12 15	16.4 ± 0.3
		Full External Error ± 1.39		1.76	2σ Confidence Limit	
		Analytical Error ± 0.02		1.0000	Error Magnification	
Total Fusion Age		19.82180 ± 0.00733 ± 0.04%	**61.63 ± 0.19 ± 0.31%**		23	16.3 ± 0.2
		Full External Error ± 1.39				
		Analytical Error ± 0.02				
Normal Isochron	235.20 **± 398.14 ########**	19.83838 ± 0.02094 ± 0.11%	**61.69 ± 0.20 ± 0.33%**	0.83 63%	90.12 15	
		Full External Error ± 1.40		1.78	2σ Confidence Limit	
		Analytical Error ± 0.06		1.0000	Error Magnification	
				1	Number of Iterations	
				0.0000023984	Convergence	
Inverse Isochron	**85.67 ± 60.15 ± 70.21%**	19.82029 ± 0.02091 ± 0.11%	**61.63 ± 0.20 ± 0.33%**	0.61 85%	90.12 15	
Clustered Points		Full External Error ± 1.39		1.78	2σ Confidence Limit	
		Analytical Error ± 0.06		1.0000	Error Magnification	
Notes				4	Number of Iterations	
Good plateau				0.0000073090	Convergence	
				0%	Spreading Factor	

Incremental Heating			36Ar(a) [fA]	37Ar(ca) [fA]	38Ar(cl) [fA]	39Ar(k) [fA]	40Ar(r) [fA]	Age ± 2σ (Ma)	40Ar(r) (%)	39Ar(k) (%)	K/Ca ± 2σ
16D05485	1.0 %		0.0089385	0.130233	0.0000000	2.2137	47.758	66.98 ± 1.72	94.74	0.08	7.3 ± 8.1
16D05487	1.4 %		0.0136559	0.211710	0.0000000	6.6188	135.810	63.76 ± 0.59	97.10	0.23	13.4 ± 8.9
16D05488	1.8 %		0.0089017	0.536999	0.0000000	17.9109	357.814	62.11 ± 0.23	99.25	0.62	14.3 ± 3.8
16D05490	2.0 %		0.0099745	0.695330	0.0000000	26.8512	533.164	61.74 ± 0.16	99.43	0.93	16.6 ± 3.5
16D05491	2.4 %		0.0029953	0.406485	0.0000000	15.1546	301.323	61.82 ± 0.26	99.69	0.53	16.0 ± 5.6
16D05492	2.8 %		0.0078970	1.660172	0.0000000	56.1600	1113.959	61.68 ± 0.11	99.77	1.95	14.5 ± 1.3
16D05494	3.2 %	✓	0.0080910	1.965161	0.0000000	67.4603	1336.252	61.59 ± 0.10	99.80	2.35	14.8 ± 1.1
16D05495	3.6 %	✓	0.0059421	2.247203	0.0000000	82.5961	1635.124	61.56 ± 0.09	99.87	2.87	15.8 ± 1.0
16D05496	4.0 %	✓	0.0070174	3.687371	0.0000000	132.5837	2623.035	61.52 ± 0.09	99.90	4.61	15.5 ± 0.6
16D05498	4.5 %	✓	0.0073446	4.093201	0.0000000	145.1480	2873.952	61.57 ± 0.09	99.91	5.05	15.2 ± 0.6
16D05499	5.0 %	✓	0.0073268	4.459848	0.0144075	166.3947	3295.317	61.58 ± 0.08	99.92	5.79	16.0 ± 0.5
16D05500	5.5 %	✓	0.0025098	1.603759	0.0325052	55.8376	1105.943	61.59 ± 0.11	99.91	1.94	15.0 ± 1.4
16D05502	6.0 %	✓	0.0075333	4.571519	0.0000000	170.7435	3381.399	61.58 ± 0.08	99.91	5.94	16.1 ± 0.6
16D05503	6.7 %	✓	0.0072534	4.312470	0.0068124	162.6040	3221.902	61.61 ± 0.08	99.91	5.66	16.2 ± 0.6
16D05504	7.4 %	✓	0.0087769	4.840647	0.0227079	186.2850	3691.470	61.62 ± 0.08	99.91	6.48	16.5 ± 0.5
16D05506	8.3 %	✓	0.0149651	7.948996	0.0036694	305.4960	6054.347	61.62 ± 0.08	99.91	10.62	16.5 ± 0.3
16D05507	9.5 %	✓	0.0152421	9.145918	0.0000000	359.3827	7120.747	61.61 ± 0.08	99.92	12.50	16.9 ± 0.3
16D05508	11.0 %	✓	0.0068857	5.988194	0.0000000	232.6399	4611.313	61.63 ± 0.08	99.94	8.09	16.7 ± 0.4
16D05510	13.0 %	✓	0.0103748	6.585794	0.0000000	254.8250	5048.124	61.60 ± 0.08	99.92	8.86	16.6 ± 0.4
16D05511	15.5 %	✓	0.0081668	4.660484	0.0000000	181.0556	3587.637	61.61 ± 0.08	99.91	6.30	16.7 ± 0.5
16D05513	18.5 %	✓	0.0029367	2.229135	0.0043908	88.2215	1749.720	61.67 ± 0.09	99.93	3.07	17.0 ± 1.1
16D05514	21.5 %		0.0065882	3.106803	0.0079364	122.2534	2432.403	61.86 ± 0.09	99.90	4.25	16.9 ± 0.8
16D05516	24.5 %		0.0017613	0.986797	0.0065948	36.8698	735.233	62.00 ± 0.13	99.91	1.28	16.1 ± 2.5
		Σ	0.1810789	76.074229	0.0990243	2875.3060	56993.745				

Information on Analysis

Project = **MV1203 (13-INT-04)**
Sample = **MV1203-D05-05**
Material = **K-Feldspar**
Location = **Fedallah Guyot**
Region = **Walvis Ridge**
Analyst = **Susan Schnur**
Irradiation = **15-OSU-07 (7A8-15)**
J = **0.00174915 ± 0.00000276**
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	19.80995	± 0.00737 ± 0.04%	**61.60**	**± 0.19** **± 0.31%**	0.64 83%	90.12 15	16.4 ± 0.3
		Full External Error		± 1.39	1.76	2σ Confidence Limit	
		Analytical Error		± 0.02	1.0000	Error Magnification	
Total Fusion Age	19.82180	± 0.00733 ± 0.04%	**61.63**	**± 0.19** **± 0.31%**		23	16.3 ± 0.2
		Full External Error		± 1.39			
		Analytical Error		± 0.02			

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
16D05485	1.0 %		247.65 ± 17.81	5638.45 ± 378.70	0.9333
16D05487	1.4 %		484.68 ± 21.84	10240.65 ± 451.79	0.9787
16D05488	1.8 %		2012.08 ± 133.78	40491.59 ± 2688.03	0.9984
16D05490	2.0 %		2691.98 ± 161.43	53748.09 ± 3219.96	0.9990
16D05491	2.4 %		5059.41 ± 947.52	100893.07 ± 18890.27	0.9997
16D05492	2.8 %		7111.57 ± 642.92	141356.61 ± 12776.89	0.9998
16D05494	3.2 %	✓	8337.72 ± 718.32	165448.81 ± 14251.32	0.9998
16D05495	3.6 %	✓	13900.18 ± 1557.47	275472.16 ± 30862.77	0.9999
16D05496	4.0 %	✓	18893.68 ± 2265.71	374088.05 ± 44857.02	0.9999
16D05498	4.5 %	✓	19762.61 ± 2533.62	391598.07 ± 50200.79	0.9999
16D05499	5.0 %	✓	22710.45 ± 2702.08	450058.22 ± 53543.96	0.9999
16D05500	5.5 %	✓	22247.94 ± 5718.11	440947.75 ± 113328.62	1.0000
16D05502	6.0 %	✓	22665.12 ± 2712.20	449154.74 ± 53744.04	0.9999
16D05503	6.7 %	✓	22417.53 ± 2756.39	444485.45 ± 54649.12	0.9999
16D05504	7.4 %	✓	21224.38 ± 2216.06	420883.09 ± 43940.95	0.9999
16D05506	8.3 %	✓	20413.93 ± 1452.54	404860.65 ± 28802.28	0.9998
16D05507	9.5 %	✓	23578.29 ± 1834.11	467471.59 ± 36358.25	0.9998
16D05508	11.0 %	✓	33785.93 ± 5105.13	669989.25 ± 101232.76	1.0000
16D05510	13.0 %	✓	24561.86 ± 2550.25	486869.98 ± 50547.13	0.9999
16D05511	15.5 %	✓	22169.72 ± 2508.22	439591.17 ± 49730.44	0.9999
16D05513	18.5 %	✓	30041.30 ± 8194.05	596112.64 ± 162592.89	1.0000
16D05514	21.5 %		18556.44 ± 2238.88	369501.93 ± 44578.20	0.9999
16D05516	24.5 %		20933.79 ± 7651.93	417743.38 ± 152695.20	1.0000

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	235.20 **± 398.14** **± 169.28%**	19.83838 ± 0.02094 ± 0.11%	**61.69** **± 0.20** **± 0.33%**	0.83 63%
			Full External Error ± 1.40	
			Analytical Error ± 0.06	

Statistics				
	2σ Confidence Limit	1.78	Convergence	0.000002398415
	Error Magnification	1.0000	Number of Iterations	1
	Number of Data Points	15	Calculated Line	Weighted York-2

Inverse Isochron			39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
16D05485	1.0 %		0.0439221 ± 0.0011339	0.00017735 ± 0.00001191	0.0017
16D05487	1.4 %		0.0473291 ± 0.0004376	0.00009765 ± 0.00000431	0.0011
16D05488	1.8 %		0.0496913 ± 0.0001858	0.00002470 ± 0.00000164	0.0003
16D05490	2.0 %		0.0500852 ± 0.0001326	0.00001861 ± 0.00000111	0.0003
16D05491	2.4 %		0.0501463 ± 0.0002131	0.00000991 ± 0.00000186	0.0001
16D05492	2.8 %		0.0503094 ± 0.0000876	0.00000707 ± 0.00000064	0.0001
16D05494	3.2 %	✓	0.0503945 ± 0.0000833	0.00000604 ± 0.00000052	0.0001
16D05495	3.6 %	✓	0.0504595 ± 0.0000780	0.00000363 ± 0.00000041	0.0000
16D05496	4.0 %	✓	0.0505060 ± 0.0000722	0.00000267 ± 0.00000032	0.0000
16D05498	4.5 %	✓	0.0504666 ± 0.0000715	0.00000255 ± 0.00000033	0.0000
16D05499	5.0 %	✓	0.0504611 ± 0.0000705	0.00000222 ± 0.00000026	0.0000
16D05500	5.5 %	✓	0.0504548 ± 0.0000879	0.00000227 ± 0.00000058	0.0000
16D05502	6.0 %	✓	0.0504617 ± 0.0000706	0.00000223 ± 0.00000027	0.0000
16D05503	6.7 %	✓	0.0504348 ± 0.0000706	0.00000225 ± 0.00000028	0.0000
16D05504	7.4 %	✓	0.0504282 ± 0.0000702	0.00000238 ± 0.00000025	0.0000
16D05506	8.3 %	✓	0.0504221 ± 0.0000685	0.00000247 ± 0.00000018	0.0000
16D05507	9.5 %	✓	0.0504379 ± 0.0000684	0.00000214 ± 0.00000017	0.0000
16D05508	11.0 %	✓	0.0504276 ± 0.0000691	0.00000149 ± 0.00000023	0.0000
16D05510	13.0 %	✓	0.0504485 ± 0.0000688	0.00000205 ± 0.00000021	0.0000
16D05511	15.5 %	✓	0.0504326 ± 0.0000702	0.00000227 ± 0.00000026	0.0000
16D05513	18.5 %	✓	0.0503953 ± 0.0000766	0.00000168 ± 0.00000046	0.0000
16D05514	21.5 %		0.0502201 ± 0.0000725	0.00000271 ± 0.00000033	0.0000
16D05516	24.5 %		0.0501116 ± 0.0001084	0.00000239 ± 0.00000087	0.0000

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	**85.67 ± 60.15**	19.82029 ± 0.02091	**61.63 ± 0.20**	0.61
Clustered Points	**± 70.21%**	± 0.11%	**± 0.33%**	85%
			Full External Error ± 1.39	
			Analytical Error ± 0.06	

Statistics				
	2σ Confidence Limit	1.78	Convergence	0.0000073090
	Error Magnification	1.0000	Number of Iterations	4
	Number of Data Points	15	Calculated Line	Weighted York-2
	Spreading Factor	0.2%		

Degassing Patterns			36Ar(a) [fA]	%1σ	36Ar(c) [fA]	%1σ	36Ar(ca) [fA]	%1σ	36Ar(cl) [fA]	%1σ	37Ar(ca) [fA]	%1σ	38Ar(a) [fA]	%1σ	38Ar(c) [fA]	%1σ	38Ar(k) [fA]	%1σ	38Ar(ca) [fA]	%1σ	38Ar(cl) [fA]	%1σ	39Ar(k) [fA]	%1σ	39Ar(ca) [fA]	%1σ	40Ar(r) [fA]	%1σ	40Ar(a) [fA]	%1σ	40Ar(c) [fA]	%1σ	40Ar(k) [fA]	%1σ
16D05485	1.0 %		0.0089385	3.36	0.0000000	0.00	0.0000347	55.37	0.0000000	0.00	0.130233	55.37	0.0016706	3.36	0.0000000	0.00	0.026632	1.30	0.0000094	56.84	0.0000000	0.00	2.2137	1.29	0.0000880	55.39	47.758	0.21	2.641340	3.36	0.0000000	0.00	0.008463	2.96
16D05487	1.4 %		0.0136559	2.21	0.0000000	0.00	0.0000564	33.09	0.0000000	0.00	0.211710	33.09	0.0025523	2.21	0.0000000	0.00	0.079630	0.49	0.0000152	35.48	0.0000000	0.00	6.6188	0.46	0.0001430	33.11	135.810	0.07	4.035329	2.21	0.0000000	0.00	0.025304	2.70
16D05488	1.8 %		0.0089017	3.32	0.0000000	0.00	0.0001430	13.31	0.0000000	0.00	0.536999	13.31	0.0016637	3.32	0.0000000	0.00	0.215487	0.25	0.0000386	18.48	0.0000000	0.00	17.9109	0.19	0.0003628	13.37	357.814	0.03	2.630452	3.32	0.0000000	0.00	0.068474	2.67
16D05490	2.0 %		0.0099745	3.00	0.0000000	0.00	0.0001852	10.63	0.0000000	0.00	0.695330	10.62	0.0018642	3.00	0.0000000	0.00	0.323047	0.21	0.0000499	16.65	0.0000000	0.00	26.8512	0.13	0.0004698	10.71	533.164	0.02	2.947470	3.00	0.0000000	0.00	0.102652	2.66
16D05491	2.4 %		0.0029953	9.36	0.0000000	0.00	0.0001082	17.46	0.0000000	0.00	0.406485	17.46	0.0005598	9.36	0.0000000	0.00	0.182325	0.27	0.0000292	21.66	0.0000000	0.00	15.1546	0.21	0.0002746	17.51	301.323	0.03	0.885121	9.36	0.0000000	0.00	0.057936	2.67
16D05492	2.8 %		0.0078970	4.52	0.0000000	0.00	0.0004421	4.48	0.0000000	0.00	1.660172	4.48	0.0014759	4.52	0.0000000	0.00	0.675661	0.18	0.0001192	13.58	0.0000000	0.00	56.1600	0.09	0.0011216	4.67	1113.959	0.01	2.333561	4.52	0.0000000	0.00	0.214700	2.66
16D05494	3.2 %	✓	0.0080910	4.31	0.0000000	0.00	0.0005233	3.72	0.0000000	0.00	1.965161	3.72	0.0015122	4.31	0.0000000	0.00	0.811615	0.18	0.0001411	13.35	0.0000000	0.00	67.4603	0.08	0.0013277	3.95	1336.252	0.01	2.390885	4.31	0.0000000	0.00	0.257901	2.66
16D05495	3.6 %	✓	0.0059421	5.60	0.0000000	0.00	0.0005984	3.18	0.0000000	0.00	2.247203	3.17	0.0011106	5.60	0.0000000	0.00	0.993713	0.18	0.0001613	13.21	0.0000000	0.00	82.5961	0.08	0.0015182	3.44	1635.124	0.01	1.755887	5.60	0.0000000	0.00	0.315765	2.66
16D05496	4.0 %	✓	0.0070174	6.00	0.0000000	0.00	0.0009819	2.02	0.0000000	0.00	3.687371	2.02	0.0013115	6.00	0.0000000	0.00	1.595114	0.18	0.0002648	12.98	0.0000000	0.00	132.5837	0.07	0.0024912	2.41	2623.035	0.01	2.073628	6.00	0.0000000	0.00	0.506867	2.66
16D05498	4.5 %	✓	0.0073446	6.41	0.0000000	0.00	0.0010900	1.82	0.0000000	0.00	4.093201	1.81	0.0013727	6.41	0.0000000	0.00	1.746276	0.17	0.0002939	12.95	0.0000000	0.00	145.1480	0.07	0.0027654	2.24	2873.952	0.01	2.170322	6.41	0.0000000	0.00	0.554901	2.66
16D05499	5.0 %	✓	0.0073268	5.95	0.0000000	0.00	0.0011877	1.61	0.0000012	174.47	4.459848	1.61	0.0013694	5.95	0.0000000	0.00	2.001895	0.17	0.0003202	12.92	0.0144075	174.48	166.3947	0.07	0.0030131	2.08	3295.317	0.00	2.165067	5.95	0.0000000	0.00	0.636127	2.66
16D05500	5.5 %	✓	0.0025098	12.85	0.0000000	0.00	0.0004271	4.64	0.0000028	73.90	1.603759	4.64	0.0004691	12.85	0.0000000	0.00	0.671782	0.18	0.0001151	13.63	0.0325052	73.90	55.8376	0.09	0.0010835	4.82	1105.943	0.01	0.741642	12.85	0.0000000	0.00	0.213467	2.66
16D05502	6.0 %	✓	0.0075333	5.98	0.0000000	0.00	0.0012174	1.74	0.0000000	0.00	4.571519	1.73	0.0014080	5.98	0.0000000	0.00	2.054215	0.17	0.0003282	12.94	0.0000000	0.00	170.7435	0.07	0.0030885	2.18	3381.399	0.00	2.226095	5.98	0.0000000	0.00	0.652752	2.66
16D05503	6.7 %	✓	0.0072534	6.15	0.0000000	0.00	0.0011484	1.78	0.0000006	372.72	4.312470	1.78	0.0013557	6.15	0.0000000	0.00	1.956289	0.17	0.0003096	12.94	0.0068124	372.72	162.6040	0.07	0.0029135	2.21	3221.902	0.01	2.143390	6.15	0.0000000	0.00	0.621635	2.66
16D05504	7.4 %	✓	0.0087769	5.22	0.0000000	0.00	0.0012891	1.53	0.0000020	106.66	4.840647	1.52	0.0016404	5.22	0.0000000	0.00	2.241195	0.17	0.0003476	12.91	0.0227079	106.66	186.2850	0.07	0.0032703	2.01	3691.470	0.00	2.593584	5.22	0.0000000	0.00	0.712168	2.66
16D05506	8.3 %	✓	0.0149651	3.56	0.0000000	0.00	0.0021168	0.98	0.0000003	686.97	7.948996	0.97	0.0027970	3.56	0.0000000	0.00	3.675422	0.17	0.0005707	12.86	0.0036694	686.97	305.4960	0.07	0.0053703	1.64	6054.347	0.00	4.422179	3.56	0.0000000	0.00	1.167911	2.66
16D05507	9.5 %	✓	0.0152421	3.89	0.0000000	0.00	0.0024356	0.82	0.0000000	0.00	9.145918	0.81	0.0028487	3.89	0.0000000	0.00	4.323733	0.17	0.0006567	12.85	0.0000000	0.00	359.3827	0.07	0.0061790	1.55	7120.747	0.00	4.504042	3.89	0.0000000	0.00	1.373920	2.66
16D05508	11.0 %	✓	0.0068857	7.55	0.0000000	0.00	0.0015947	1.30	0.0000000	0.00	5.988194	1.29	0.0012869	7.55	0.0000000	0.00	2.798891	0.17	0.0004300	12.88	0.0000000	0.00	232.6399	0.07	0.0040456	1.84	4611.313	0.00	2.034726	7.55	0.0000000	0.00	0.889382	2.66
16D05510	13.0 %	✓	0.0103748	5.19	0.0000000	0.00	0.0017538	1.18	0.0000000	0.00	6.585794	1.17	0.0019391	5.19	0.0000000	0.00	3.065799	0.17	0.0004729	12.87	0.0000000	0.00	254.8250	0.07	0.0044494	1.76	5048.124	0.00	3.065760	5.19	0.0000000	0.00	0.974196	2.66
16D05511	15.5 %	✓	0.0081668	5.66	0.0000000	0.00	0.0012411	1.64	0.0000000	0.00	4.660484	1.63	0.0015264	5.66	0.0000000	0.00	2.178279	0.17	0.0003346	12.92	0.0000000	0.00	181.0556	0.07	0.0031486	2.10	3587.637	0.00	2.413288	5.66	0.0000000	0.00	0.692175	2.66
16D05513	18.5 %	✓	0.0029367	13.64	0.0000000	0.00	0.0005936	3.37	0.0000004	550.75	2.229135	3.37	0.0005489	13.64	0.0000000	0.00	1.061392	0.18	0.0001601	13.25	0.0043908	550.75	88.2215	0.08	0.0015060	3.62	1749.720	0.01	0.867787	13.64	0.0000000	0.00	0.337271	2.66
16D05514	21.5 %		0.0065882	6.03	0.0000000	0.00	0.0008273	2.40	0.0000007	301.73	3.106803	2.40	0.0012313	6.03	0.0000000	0.00	1.470831	0.18	0.0002231	13.04	0.0079364	301.73	122.2534	0.07	0.0020990	2.74	2432.403	0.01	1.946811	6.03	0.0000000	0.00	0.467375	2.66
16D05516	24.5 %		0.0017613	18.28	0.0000000	0.00	0.0002628	7.65	0.0000006	369.54	0.986797	7.65	0.0003292	18.28	0.0000000	0.00	0.443581	0.19	0.0000709	14.93	0.0065948	369.54	36.8698	0.11	0.0006667	7.77	735.233	0.02	0.520452	18.28	0.0000000	0.00	0.140953	2.66
		Σ	0.1810789	1.09	0.0000000	0.00	0.0202586	0.47	0.0000085	70.19	76.074229	0.47	0.0338436	1.09	0.0000000	0.00	34.592806	0.05	0.0054621	3.37	0.0990243	70.17	2875.3060	0.02	0.0513957	0.58	56993.745	0.00	53.508817	1.09	0.0000000	0.00	10.992295	0.70
		Σ							0.2013460	0.99	76.074229	0.47									34.731136	0.21			2875.3574	0.02							57058.246	0.00

Additional Parameters			40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
16D05485	1.0 %		22.770493	0.293900	0.058829	0.032583	0.004053	0.000145	52.817	2.845437	1.00037363	2.420E-12
16D05487	1.4 %		21.132012	0.097693	0.031986	0.010584	0.002072	0.000046	52.829	2.846100	1.00037371	6.714E-12
16D05488	1.8 %		20.127651	0.037637	0.029981	0.003989	0.000505	0.000016	52.835	2.846452	1.00037376	1.730E-11
16D05490	2.0 %		19.969463	0.026431	0.025895	0.002751	0.000378	0.000011	52.847	2.847115	1.00037384	2.574E-11
16D05491	2.4 %		19.945111	0.042382	0.026822	0.004684	0.000205	0.000018	52.853	2.847428	1.00037388	1.451E-11
16D05492	2.8 %		19.880423	0.017300	0.029561	0.001323	0.000148	0.000006	52.859	2.847779	1.00037393	5.359E-11
16D05494	3.2 %	✓	19.846850	0.016412	0.029130	0.001084	0.000128	0.000005	52.871	2.848443	1.00037401	6.427E-11
16D05495	3.6 %	✓	19.821340	0.015322	0.027207	0.000864	0.000079	0.000004	52.876	2.848756	1.00037405	7.859E-11
16D05496	4.0 %	✓	19.803086	0.014147	0.027811	0.000561	0.000060	0.000003	52.882	2.849069	1.00037409	1.260E-10
16D05498	4.5 %	✓	19.818542	0.014034	0.028200	0.000511	0.000058	0.000003	52.894	2.849733	1.00037417	1.381E-10
16D05499	5.0 %	✓	19.820692	0.013853	0.026802	0.000431	0.000051	0.000003	52.900	2.850085	1.00037421	1.583E-10
16D05500	5.5 %	✓	19.823150	0.017261	0.028721	0.001332	0.000053	0.000006	52.906	2.850398	1.00037425	5.313E-11
16D05502	6.0 %	✓	19.820469	0.013861	0.026774	0.000464	0.000051	0.000003	52.917	2.851062	1.00037434	1.624E-10
16D05503	6.7 %	✓	19.831053	0.013883	0.026521	0.000471	0.000052	0.000003	52.924	2.851414	1.00037438	1.548E-10
16D05504	7.4 %	✓	19.833646	0.013814	0.025985	0.000396	0.000054	0.000002	52.929	2.851727	1.00037442	1.773E-10
16D05506	8.3 %	✓	19.836039	0.013471	0.026020	0.000253	0.000056	0.000002	52.941	2.852392	1.00037450	2.909E-10
16D05507	9.5 %	✓	19.829842	0.013447	0.025449	0.000207	0.000049	0.000002	52.947	2.852745	1.00037455	3.421E-10
16D05508	11.0 %	✓	19.833899	0.013591	0.025740	0.000332	0.000036	0.000002	52.953	2.853058	1.00037459	2.215E-10
16D05510	13.0 %	✓	19.825670	0.013516	0.025844	0.000302	0.000048	0.000002	52.965	2.853723	1.00037467	2.425E-10
16D05511	15.5 %	✓	19.831924	0.013803	0.025740	0.000420	0.000052	0.000003	52.971	2.854075	1.00037471	1.724E-10
16D05513	18.5 %	✓	19.846586	0.015089	0.025267	0.000851	0.000040	0.000005	52.983	2.854741	1.00037480	8.404E-11
16D05514	21.5 %		19.915813	0.014368	0.025412	0.000610	0.000061	0.000003	52.988	2.855054	1.00037484	1.169E-10
16D05516	24.5 %		19.958922	0.021588	0.026764	0.002048	0.000055	0.000009	53.000	2.855720	1.00037492	3.532E-11

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
16D05485	1.0 %	0.0039163 ± 0.0001798	0.0301792 ± 0.0176767	0.0490218 ± 0.0166322	0.0165748 ± 0.0252402	1.0212804 ± 0.0395626
16D05487	1.4 %	0.0038569 ± 0.0001798	0.0262801 ± 0.0176767	0.0557938 ± 0.0166322	0.0000952 ± 0.0252402	1.0705363 ± 0.0395626
16D05488	1.8 %	0.0038440 ± 0.0001798	0.0254555 ± 0.0176767	0.0580905 ± 0.0166322	0.0043747 ± 0.0252402	1.0879998 ± 0.0395626
16D05490	2.0 %	0.0038477 ± 0.0001798	0.0253669 ± 0.0176767	0.0603812 ± 0.0166322	0.0060810 ± 0.0252402	1.1112690 ± 0.0395626
16D05491	2.4 %	0.0038598 ± 0.0001798	0.0257204 ± 0.0176767	0.0606629 ± 0.0166322	0.0047120 ± 0.0252402	1.1198079 ± 0.0395626
16D05492	2.8 %	0.0038795 ± 0.0001798	0.0262419 ± 0.0176767	0.0604648 ± 0.0166322	0.0020063 ± 0.0252402	1.1288578 ± 0.0395626
16D05494	3.2 %	0.0039292 ± 0.0001798	0.0271638 ± 0.0176767	0.0588578 ± 0.0166322	0.0052085 ± 0.0252402	1.1472737 ± 0.0395626
16D05495	3.6 %	0.0039560 ± 0.0001798	0.0274138 ± 0.0176767	0.0576522 ± 0.0166322	0.0090479 ± 0.0252402	1.1575686 ± 0.0395626
16D05496	4.0 %	0.0039836 ± 0.0001798	0.0274718 ± 0.0176767	0.0562222 ± 0.0166322	0.0128954 ± 0.0252402	1.1693626 ± 0.0395626
16D05498	4.5 %	0.0040402 ± 0.0001798	0.0267962 ± 0.0176767	0.0526324 ± 0.0166322	0.0203375 ± 0.0252402	1.2001951 ± 0.0395626
16D05499	5.0 %	0.0040666 ± 0.0001798	0.0259490 ± 0.0176767	0.0505304 ± 0.0166322	0.0235160 ± 0.0252402	1.2197995 ± 0.0395626
16D05500	5.5 %	0.0040865 ± 0.0001798	0.0249064 ± 0.0176767	0.0485996 ± 0.0166322	0.0257341 ± 0.0252402	1.2389928 ± 0.0395626
16D05502	6.0 %	0.0041135 ± 0.0001798	0.0218614 ± 0.0176767	0.0444559 ± 0.0166322	0.0282000 ± 0.0252402	1.2841021 ± 0.0395626
16D05503	6.7 %	0.0041169 ± 0.0001798	0.0198765 ± 0.0176767	0.0423164 ± 0.0166322	0.0281510 ± 0.0252402	1.3093506 ± 0.0395626
16D05504	7.4 %	0.0041124 ± 0.0001798	0.0179681 ± 0.0176767	0.0404862 ± 0.0166322	0.0272954 ± 0.0252402	1.3317986 ± 0.0395626
16D05506	8.3 %	0.0040746 ± 0.0001798	0.0137807 ± 0.0176767	0.0369289 ± 0.0166322	0.0230259 ± 0.0252402	1.3762875 ± 0.0395626
16D05507	9.5 %	0.0040369 ± 0.0001798	0.0117087 ± 0.0176767	0.0352798 ± 0.0166322	0.0195394 ± 0.0252402	1.3959401 ± 0.0395626
16D05508	11.0 %	0.0039919 ± 0.0001798	0.0101014 ± 0.0176767	0.0339753 ± 0.0166322	0.0158426 ± 0.0252402	1.4097029 ± 0.0395626
16D05510	13.0 %	0.0038563 ± 0.0001798	0.0079797 ± 0.0176767	0.0317700 ± 0.0166322	0.0066422 ± 0.0252402	1.4221085 ± 0.0395626
16D05511	15.5 %	0.0037605 ± 0.0001798	0.0079199 ± 0.0176767	0.0309406 ± 0.0166322	0.0013950 ± 0.0252402	1.4161551 ± 0.0395626
16D05513	18.5 %	0.0035292 ± 0.0001798	0.0107743 ± 0.0176767	0.0300525 ± 0.0166322	0.0081426 ± 0.0252402	1.3724962 ± 0.0395626
16D05514	21.5 %	0.0033960 ± 0.0001798	0.0138459 ± 0.0176767	0.0299479 ± 0.0166322	0.0119965 ± 0.0252402	1.3337907 ± 0.0395626
16D05516	24.5 %	0.0030567 ± 0.0001798	0.0251712 ± 0.0176767	0.0303860 ± 0.0166322	0.0174142 ± 0.0252402	1.2028409 ± 0.0395626

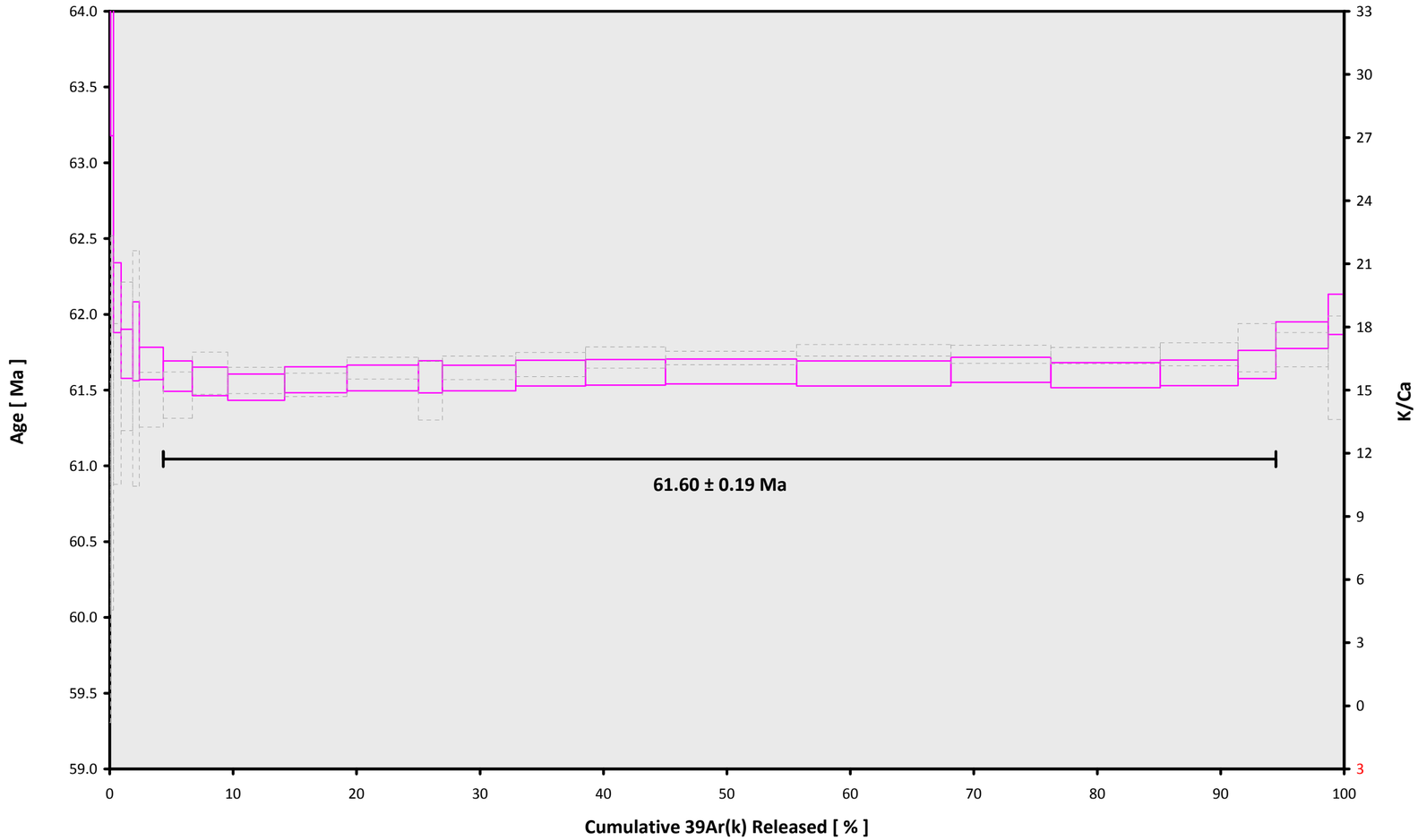
Intercept Values		36Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	37Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	38Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	39Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	40Ar ± 1σ (SE) [fA]	r2	Regression (type,n)
16D05485	1.0 %	0.0124290 ± 0.0002187	0.7797	EXP 150 of 150	0.0145855 ± 0.0173753	0.0039	EXP 150 of 150	0.0576194 ± 0.0161357	0.0056	EXP 150 of 150	2.213312 ± 0.012692	0.2700	EXP 150 of 150	51.42930 ± 0.01824	0.9910	EXP 149 of 150
16D05487	1.4 %	0.0168655 ± 0.0002185	0.8368	EXP 150 of 150	0.0464738 ± 0.0163395	0.0381	EXP 150 of 150	0.0942076 ± 0.0158391	0.0176	EXP 150 of 150	6.567974 ± 0.016157	0.8292	EXP 150 of 150	140.94154 ± 0.02381	0.9883	EXP 150 of 150
16D05488	1.8 %	0.0124245 ± 0.0002130	0.9242	EXP 150 of 150	0.1590603 ± 0.0170305	0.0168	EXP 150 of 150	0.2475277 ± 0.0169652	0.0000	EXP 150 of 150	17.769333 ± 0.017916	0.9754	EXP 150 of 150	361.60046 ± 0.03163	0.9994	EXP 150 of 150
16D05490	2.0 %	0.0134860 ± 0.0002167	0.9429	EXP 150 of 150	0.2134965 ± 0.0181977	0.0265	EXP 150 of 150	0.3703152 ± 0.0159274	0.0191	EXP 150 of 150	26.639341 ± 0.016841	0.9909	EXP 150 of 150	537.32531 ± 0.04003	0.9996	EXP 150 of 150
16D05491	2.4 %	0.0068041 ± 0.0001950	0.9378	EXP 150 of 150	0.1139022 ± 0.0167862	0.0231	EXP 150 of 150	0.2102904 ± 0.0169651	0.0001	EXP 150 of 150	15.033777 ± 0.016659	0.9696	EXP 150 of 150	303.38620 ± 0.03045	0.9989	EXP 150 of 150
16D05492	2.8 %	0.0117906 ± 0.0002854	0.9650	EXP 150 of 150	0.5439364 ± 0.0183464	0.0000	EXP 150 of 150	0.7004354 ± 0.0164521	0.0236	EXP 150 of 150	55.727673 ± 0.018021	0.9977	EXP 150 of 150	1117.63570 ± 0.05266	0.9999	EXP 150 of 150
16D05494	3.2 %	0.0121015 ± 0.0002759	0.9746	EXP 150 of 150	0.6476041 ± 0.0177375	0.0084	EXP 150 of 150	0.8347623 ± 0.0152384	0.0580	EXP 149 of 150	66.948590 ± 0.020572	0.9979	EXP 150 of 150	1340.04838 ± 0.06404	0.9999	EXP 150 of 150
16D05495	3.6 %	0.0101609 ± 0.0002584	0.9845	EXP 150 of 150	0.7441126 ± 0.0168340	0.0082	EXP 150 of 150	0.9931160 ± 0.0154283	0.0499	EXP 150 of 150	81.972108 ± 0.019517	0.9987	EXP 150 of 150	1638.35274 ± 0.06107	0.9999	EXP 150 of 150
16D05496	4.0 %	0.0115724 ± 0.0003552	0.9866	EXP 150 of 150	1.2383651 ± 0.0181394	0.0492	EXP 150 of 150	1.5863655 ± 0.0146941	0.1651	EXP 150 of 150	131.580477 ± 0.022153	0.9994	EXP 150 of 150	2626.78448 ± 0.07933	1.0000	EXP 150 of 150
16D05498	4.5 %	0.0120419 ± 0.0004078	0.9844	EXP 150 of 150	1.3780304 ± 0.0179706	0.1724	EXP 149 of 150	1.7462891 ± 0.0175322	0.2033	EXP 150 of 150	144.056016 ± 0.023132	0.9994	EXP 150 of 150	2877.87727 ± 0.07561	1.0000	EXP 150 of 150
16D05499	5.0 %	0.0121453 ± 0.0003712	0.9904	EXP 150 of 150	1.5045256 ± 0.0166227	0.0409	EXP 150 of 150	2.0389628 ± 0.0178275	0.3026	EXP 150 of 150	165.142907 ± 0.023436	0.9996	EXP 150 of 150	3299.33816 ± 0.08956	1.0000	EXP 150 of 150
16D05500	5.5 %	0.0068753 ± 0.0002467	0.9810	EXP 150 of 150	0.5253910 ± 0.0183518	0.0357	EXP 150 of 150	0.7431459 ± 0.0167668	0.1108	EXP 150 of 150	55.435408 ± 0.017807	0.9976	EXP 150 of 150	1108.13706 ± 0.05059	0.9998	EXP 150 of 150
16D05502	6.0 %	0.0124151 ± 0.0003867	0.9897	EXP 150 of 150	1.5463971 ± 0.0202406	0.1125	EXP 150 of 150	2.0355502 ± 0.0182002	0.1617	EXP 150 of 150	169.463004 ± 0.025062	0.9995	EXP 150 of 150	3385.56146 ± 0.09433	1.0000	EXP 150 of 150
16D05503	6.7 %	0.0120882 ± 0.0003818	0.9899	EXP 150 of 150	1.4593326 ± 0.0190635	0.2000	EXP 150 of 150	1.9783034 ± 0.0181982	0.2489	EXP 150 of 150	161.385859 ± 0.023134	0.9995	EXP 150 of 150	3225.97670 ± 0.09315	1.0000	EXP 150 of 150
16D05504	7.4 %	0.0136636 ± 0.0003944	0.9915	EXP 150 of 150	1.6422276 ± 0.0175282	0.1365	EXP 150 of 150	2.2731862 ± 0.0163998	0.3871	EXP 150 of 150	184.884375 ± 0.027149	0.9995	EXP 150 of 150	3696.10752 ± 0.09823	1.0000	EXP 150 of 150
16D05506	8.3 %	0.0202801 ± 0.0004694	0.9947	EXP 150 of 150	2.7118490 ± 0.0184731	0.3458	EXP 150 of 150	3.6654477 ± 0.0166390	0.5660	EXP 150 of 150	303.177300 ± 0.029750	0.9998	EXP 150 of 150	6061.31347 ± 0.13995	1.0000	EXP 150 of 150
16D05507	9.5 %	0.0208074 ± 0.0005305	0.9952	EXP 150 of 150	3.1239464 ± 0.0164641	0.3952	EXP 150 of 150	4.2770260 ± 0.0177899	0.6065	EXP 150 of 150	356.647293 ± 0.036020	0.9998	EXP 150 of 150	7128.02076 ± 0.16901	1.0000	EXP 150 of 150
16D05508	11.0 %	0.0120370 ± 0.0004586	0.9929	EXP 150 of 150	2.0427105 ± 0.0189788	0.1785	EXP 150 of 150	2.7879422 ± 0.0181610	0.3845	EXP 150 of 150	230.872445 ± 0.026183	0.9997	EXP 150 of 150	4615.64683 ± 0.11373	1.0000	EXP 150 of 150
16D05510	13.0 %	0.0153625 ± 0.0004768	0.9930	EXP 150 of 150	2.2491692 ± 0.0187256	0.2948	EXP 150 of 150	3.0303981 ± 0.0158273	0.5341	EXP 150 of 150	252.878204 ± 0.025572	0.9998	EXP 150 of 150	5053.58575 ± 0.10684	1.0000	EXP 150 of 150
16D05511	15.5 %	0.0126856 ± 0.0003984	0.9921	EXP 150 of 150	1.5891704 ± 0.0186966	0.0947	EXP 150 of 150	2.1668234 ± 0.0179477	0.2250	EXP 150 of 150	179.669032 ± 0.025180	0.9996	EXP 150 of 150	3592.15878 ± 0.10606	0.9999	EXP 150 of 150
16D05513	18.5 %	0.0068787 ± 0.0003340	0.9825	EXP 150 of 150	0.7529447 ± 0.0185734	0.0186	EXP 150 of 150	1.0809226 ± 0.0169022	0.0732	EXP 150 of 150	87.537004 ± 0.019308	0.9989	EXP 150 of 150	1752.29730 ± 0.07124	0.9999	EXP 150 of 150
16D05514	21.5 %	0.0104316 ± 0.0003303	0.9893	EXP 150 of 150	1.0504519 ± 0.0182396	0.0805	EXP 150 of 150	1.4884870 ± 0.0164256	0.1512	EXP 150 of 150	121.304196 ± 0.021700	0.9993	EXP 150 of 150	2436.15135 ± 0.07141	0.9999	EXP 150 of 150
16D05516	24.5 %	0.0049774 ± 0.0002460	0.9715	EXP 150 of 150	0.3127971 ± 0.0188591	0.0228	EXP 150 of 150	0.4743613 ± 0.0172893	0.0168	EXP 150 of 150	36.569765 ± 0.018078	0.9940	EXP 150 of 150	737.09750 ± 0.03987	0.9997	EXP 150 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
16D05485	1.0 %	Susan Schnur	15-OSU-07	0.00	0.00	15.31	Walvis Ridge\MV1203 (13-INT-04)	16D05484	01
16D05487	1.4 %	Susan Schnur	15-OSU-07	0.00	0.00	15.31	Walvis Ridge\MV1203 (13-INT-04)	16D05484	01
16D05488	1.8 %	Susan Schnur	15-OSU-07	0.00	0.00	15.31	Walvis Ridge\MV1203 (13-INT-04)	16D05484	01
16D05490	2.0 %	Susan Schnur	15-OSU-07	0.00	0.00	15.31	Walvis Ridge\MV1203 (13-INT-04)	16D05484	01
16D05491	2.4 %	Susan Schnur	15-OSU-07	0.00	0.00	15.31	Walvis Ridge\MV1203 (13-INT-04)	16D05484	01
16D05492	2.8 %	Susan Schnur	15-OSU-07	0.00	0.00	15.31	Walvis Ridge\MV1203 (13-INT-04)	16D05484	01
16D05494	3.2 %	Susan Schnur	15-OSU-07	0.00	0.00	15.31	Walvis Ridge\MV1203 (13-INT-04)	16D05484	01
16D05495	3.6 %	Susan Schnur	15-OSU-07	0.00	0.00	15.31	Walvis Ridge\MV1203 (13-INT-04)	16D05484	01
16D05496	4.0 %	Susan Schnur	15-OSU-07	0.00	0.00	15.31	Walvis Ridge\MV1203 (13-INT-04)	16D05484	01
16D05498	4.5 %	Susan Schnur	15-OSU-07	0.00	0.00	15.31	Walvis Ridge\MV1203 (13-INT-04)	16D05484	01
16D05499	5.0 %	Susan Schnur	15-OSU-07	0.00	0.00	15.31	Walvis Ridge\MV1203 (13-INT-04)	16D05484	01
16D05500	5.5 %	Susan Schnur	15-OSU-07	0.00	0.00	15.31	Walvis Ridge\MV1203 (13-INT-04)	16D05484	01
16D05502	6.0 %	Susan Schnur	15-OSU-07	0.00	0.00	15.31	Walvis Ridge\MV1203 (13-INT-04)	16D05484	01
16D05503	6.7 %	Susan Schnur	15-OSU-07	0.00	0.00	15.31	Walvis Ridge\MV1203 (13-INT-04)	16D05484	01
16D05504	7.4 %	Susan Schnur	15-OSU-07	0.00	0.00	15.31	Walvis Ridge\MV1203 (13-INT-04)	16D05484	01
16D05506	8.3 %	Susan Schnur	15-OSU-07	0.00	0.00	15.31	Walvis Ridge\MV1203 (13-INT-04)	16D05484	01
16D05507	9.5 %	Susan Schnur	15-OSU-07	0.00	0.00	15.31	Walvis Ridge\MV1203 (13-INT-04)	16D05484	01
16D05508	11.0 %	Susan Schnur	15-OSU-07	0.00	0.00	15.31	Walvis Ridge\MV1203 (13-INT-04)	16D05484	01
16D05510	13.0 %	Susan Schnur	15-OSU-07	0.00	0.00	15.31	Walvis Ridge\MV1203 (13-INT-04)	16D05484	01
16D05511	15.5 %	Susan Schnur	15-OSU-07	0.00	0.00	15.31	Walvis Ridge\MV1203 (13-INT-04)	16D05484	01
16D05513	18.5 %	Susan Schnur	15-OSU-07	0.00	0.00	15.31	Walvis Ridge\MV1203 (13-INT-04)	16D05484	01
16D05514	21.5 %	Susan Schnur	15-OSU-07	0.00	0.00	15.31	Walvis Ridge\MV1203 (13-INT-04)	16D05484	01
16D05516	24.5 %	Susan Schnur	15-OSU-07	0.00	0.00	15.31	Walvis Ridge\MV1203 (13-INT-04)	16D05484	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
16D05485	1.0 %	MV1203-D05-05	K-Feldspar	Fedallah Guyot	FCT-NM (7A8-15)	28.201	0.082	Kuiper et al (2008)	8.98571	0.158	0.00174915	0.158	304.408	0.135	0.9926747	0.067	1	4.8E-14	9	FEB	2016	10	6	1
16D05487	1.4 %	MV1203-D05-05	K-Feldspar	Fedallah Guyot	FCT-NM (7A8-15)	28.201	0.082	Kuiper et al (2008)	8.98571	0.158	0.00174915	0.158	304.408	0.135	0.9926747	0.067	1	4.8E-14	9	FEB	2016	10	23	1
16D05488	1.8 %	MV1203-D05-05	K-Feldspar	Fedallah Guyot	FCT-NM (7A8-15)	28.201	0.082	Kuiper et al (2008)	8.98571	0.158	0.00174915	0.158	304.408	0.135	0.9926747	0.067	1	4.8E-14	9	FEB	2016	10	32	1
16D05490	2.0 %	MV1203-D05-05	K-Feldspar	Fedallah Guyot	FCT-NM (7A8-15)	28.201	0.082	Kuiper et al (2008)	8.98571	0.158	0.00174915	0.158	304.408	0.135	0.9926747	0.067	1	4.8E-14	9	FEB	2016	10	49	1
16D05491	2.4 %	MV1203-D05-05	K-Feldspar	Fedallah Guyot	FCT-NM (7A8-15)	28.201	0.082	Kuiper et al (2008)	8.98571	0.158	0.00174915	0.158	304.408	0.135	0.9926747	0.067	1	4.8E-14	9	FEB	2016	10	57	1
16D05492	2.8 %	MV1203-D05-05	K-Feldspar	Fedallah Guyot	FCT-NM (7A8-15)	28.201	0.082	Kuiper et al (2008)	8.98571	0.158	0.00174915	0.158	304.408	0.135	0.9926747	0.067	1	4.8E-14	9	FEB	2016	11	6	1
16D05494	3.2 %	MV1203-D05-05	K-Feldspar	Fedallah Guyot	FCT-NM (7A8-15)	28.201	0.082	Kuiper et al (2008)	8.98571	0.158	0.00174915	0.158	304.408	0.135	0.9926747	0.067	1	4.8E-14	9	FEB	2016	11	23	1
16D05495	3.6 %	MV1203-D05-05	K-Feldspar	Fedallah Guyot	FCT-NM (7A8-15)	28.201	0.082	Kuiper et al (2008)	8.98571	0.158	0.00174915	0.158	304.408	0.135	0.9926747	0.067	1	4.8E-14	9	FEB	2016	11	31	1
16D05496	4.0 %	MV1203-D05-05	K-Feldspar	Fedallah Guyot	FCT-NM (7A8-15)	28.201	0.082	Kuiper et al (2008)	8.98571	0.158	0.00174915	0.158	304.408	0.135	0.9926747	0.067	1	4.8E-14	9	FEB	2016	11	39	1
16D05498	4.5 %	MV1203-D05-05	K-Feldspar	Fedallah Guyot	FCT-NM (7A8-15)	28.201	0.082	Kuiper et al (2008)	8.98571	0.158	0.00174915	0.158	304.408	0.135	0.9926747	0.067	1	4.8E-14	9	FEB	2016	11	56	1
16D05499	5.0 %	MV1203-D05-05	K-Feldspar	Fedallah Guyot	FCT-NM (7A8-15)	28.201	0.082	Kuiper et al (2008)	8.98571	0.158	0.00174915	0.158	304.408	0.135	0.9926747	0.067	1	4.8E-14	9	FEB	2016	12	5	1
16D05500	5.5 %	MV1203-D05-05	K-Feldspar	Fedallah Guyot	FCT-NM (7A8-15)	28.201	0.082	Kuiper et al (2008)	8.98571	0.158	0.00174915	0.158	304.408	0.135	0.9926747	0.067	1	4.8E-14	9	FEB	2016	12	13	1
16D05502	6.0 %	MV1203-D05-05	K-Feldspar	Fedallah Guyot	FCT-NM (7A8-15)	28.201	0.082	Kuiper et al (2008)	8.98571	0.158	0.00174915	0.158	304.408	0.135	0.9926747	0.067	1	4.8E-14	9	FEB	2016	12	30	1
16D05503	6.7 %	MV1203-D05-05	K-Feldspar	Fedallah Guyot	FCT-NM (7A8-15)	28.201	0.082	Kuiper et al (2008)	8.98571	0.158	0.00174915	0.158	304.408	0.135	0.9926747	0.067	1	4.8E-14	9	FEB	2016	12	39	1
16D05504	7.4 %	MV1203-D05-05	K-Feldspar	Fedallah Guyot	FCT-NM (7A8-15)	28.201	0.082	Kuiper et al (2008)	8.98571	0.158	0.00174915	0.158	304.408	0.135	0.9926747	0.067	1	4.8E-14	9	FEB	2016	12	47	1
16D05506	8.3 %	MV1203-D05-05	K-Feldspar	Fedallah Guyot	FCT-NM (7A8-15)	28.201	0.082	Kuiper et al (2008)	8.98571	0.158	0.00174915	0.158	304.408	0.135	0.9926747	0.067	1	4.8E-14	9	FEB	2016	13	4	1
16D05507	9.5 %	MV1203-D05-05	K-Feldspar	Fedallah Guyot	FCT-NM (7A8-15)	28.201	0.082	Kuiper et al (2008)	8.98571	0.158	0.00174915	0.158	304.408	0.135	0.9926747	0.067	1	4.8E-14	9	FEB	2016	13	13	1
16D05508	11.0 %	MV1203-D05-05	K-Feldspar	Fedallah Guyot	FCT-NM (7A8-15)	28.201	0.082	Kuiper et al (2008)	8.98571	0.158	0.00174915	0.158	304.408	0.135	0.9926747	0.067	1	4.8E-14	9	FEB	2016	13	21	1
16D05510	13.0 %	MV1203-D05-05	K-Feldspar	Fedallah Guyot	FCT-NM (7A8-15)	28.201	0.082	Kuiper et al (2008)	8.98571	0.158	0.00174915	0.158	304.408	0.135	0.9926747	0.067	1	4.8E-14	9	FEB	2016	13	38	1
16D05511	15.5 %	MV1203-D05-05	K-Feldspar	Fedallah Guyot	FCT-NM (7A8-15)	28.201	0.082	Kuiper et al (2008)	8.98571	0.158	0.00174915	0.158	304.408	0.135	0.9926747	0.067	1	4.8E-14	9	FEB	2016	13	47	1
16D05513	18.5 %	MV1203-D05-05	K-Feldspar	Fedallah Guyot	FCT-NM (7A8-15)	28.201	0.082	Kuiper et al (2008)	8.98571	0.158	0.00174915	0.158	304.408	0.135	0.9926747	0.067	1	4.8E-14	9	FEB	2016	14	4	1
16D05514	21.5 %	MV1203-D05-05	K-Feldspar	Fedallah Guyot	FCT-NM (7A8-15)	28.201	0.082	Kuiper et al (2008)	8.98571	0.158	0.00174915	0.158	304.408	0.135	0.9926747	0.067	1	4.8E-14	9	FEB	2016	14	12	1
16D05516	24.5 %	MV1203-D05-05	K-Feldspar	Fedallah Guyot	FCT-NM (7A8-15)	28.201	0.082	Kuiper et al (2008)	8.98571	0.158	0.00174915	0.158	304.408	0.135	0.9926747	0.067	1	4.8E-14	9	FEB	2016	14	29	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
16D05485	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
16D05487	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
16D05488	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
16D05490	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
16D05491	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
16D05492	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
16D05494	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
16D05495	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
16D05496	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
16D05498	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
16D05499	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
16D05500	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
16D05502	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
16D05503	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
16D05504	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
16D05506	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
16D05507	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
16D05508	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
16D05510	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
16D05511	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
16D05513	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
16D05514	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
16D05516	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

16D05484.AGE >>> MV1203-D05-05 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
61.60 ± 0.19
TOTAL FUSION
61.63 ± 0.19
NORMAL ISOCHRON
61.69 ± 0.20
INVERSE ISOCHRON
61.63 ± 0.20

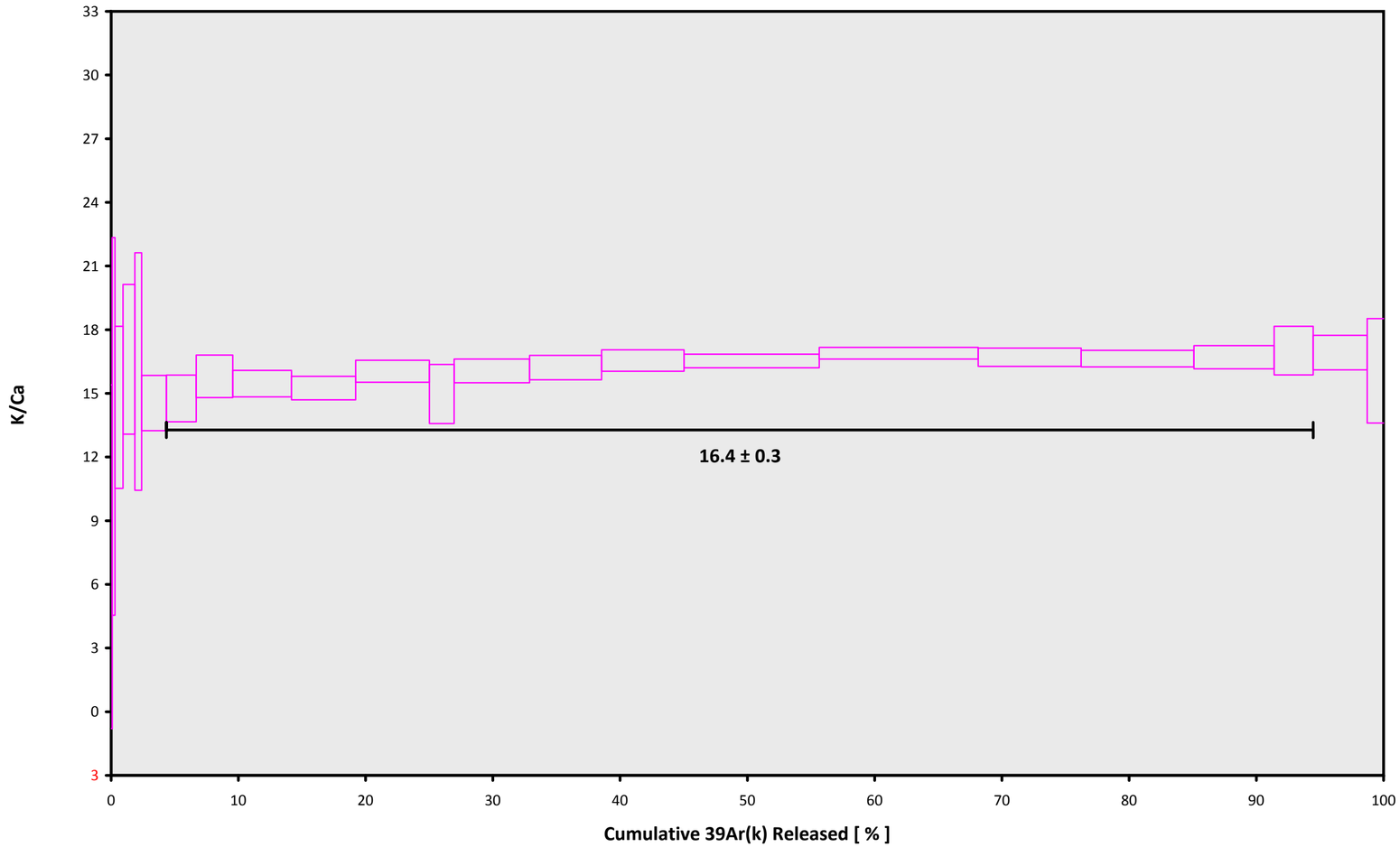
MSWD (PROBABILITY)
0.64 (83%)

Sample Info

K-Feldspar
Fedallah Guyot
Susan Schnur

IRR = 15-OSU-07 (7A8-15)
J = 0.00174915 ± 0.00000276

16D05484.AGE >>> MV1203-D05-05 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

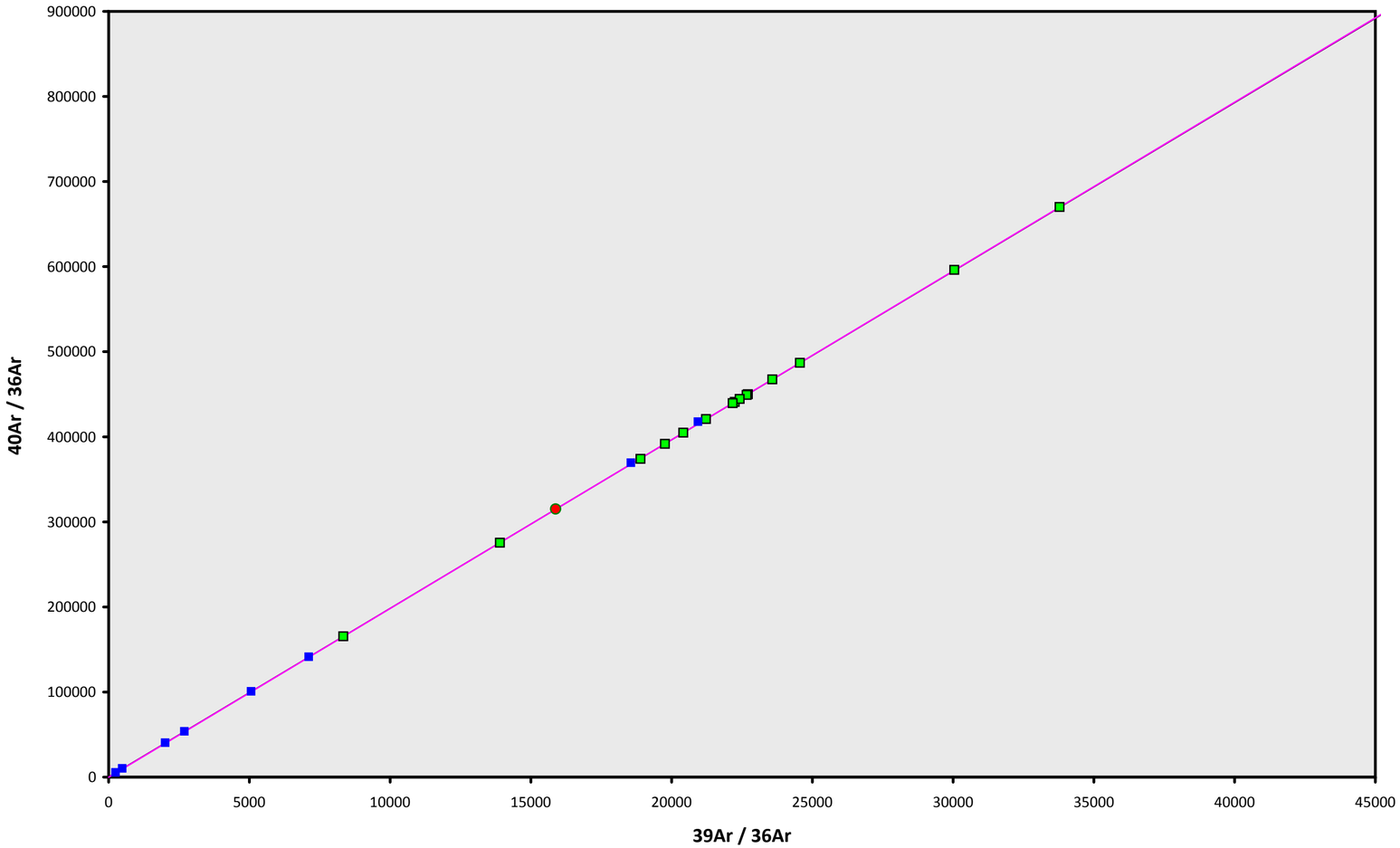
WEIGHTED PLATEAU
61.60 ± 0.19
TOTAL FUSION
61.63 ± 0.19
NORMAL ISOCHRON
61.69 ± 0.20
INVERSE ISOCHRON
61.63 ± 0.20

Sample Info

K-Feldspar
Fedallah Guyot
Susan Schnur

IRR = 15-OSU-07 (7A8-15)
J = 0.00174915 ± 0.00000276

16D05484.AGE >>> MV1203-D05-05 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
61.60 ± 0.19
TOTAL FUSION
61.63 ± 0.19
NORMAL ISOCHRON
61.69 ± 0.20
INVERSE ISOCHRON
61.63 ± 0.20

MSWD (PROBABILITY)
0.83 (63%)

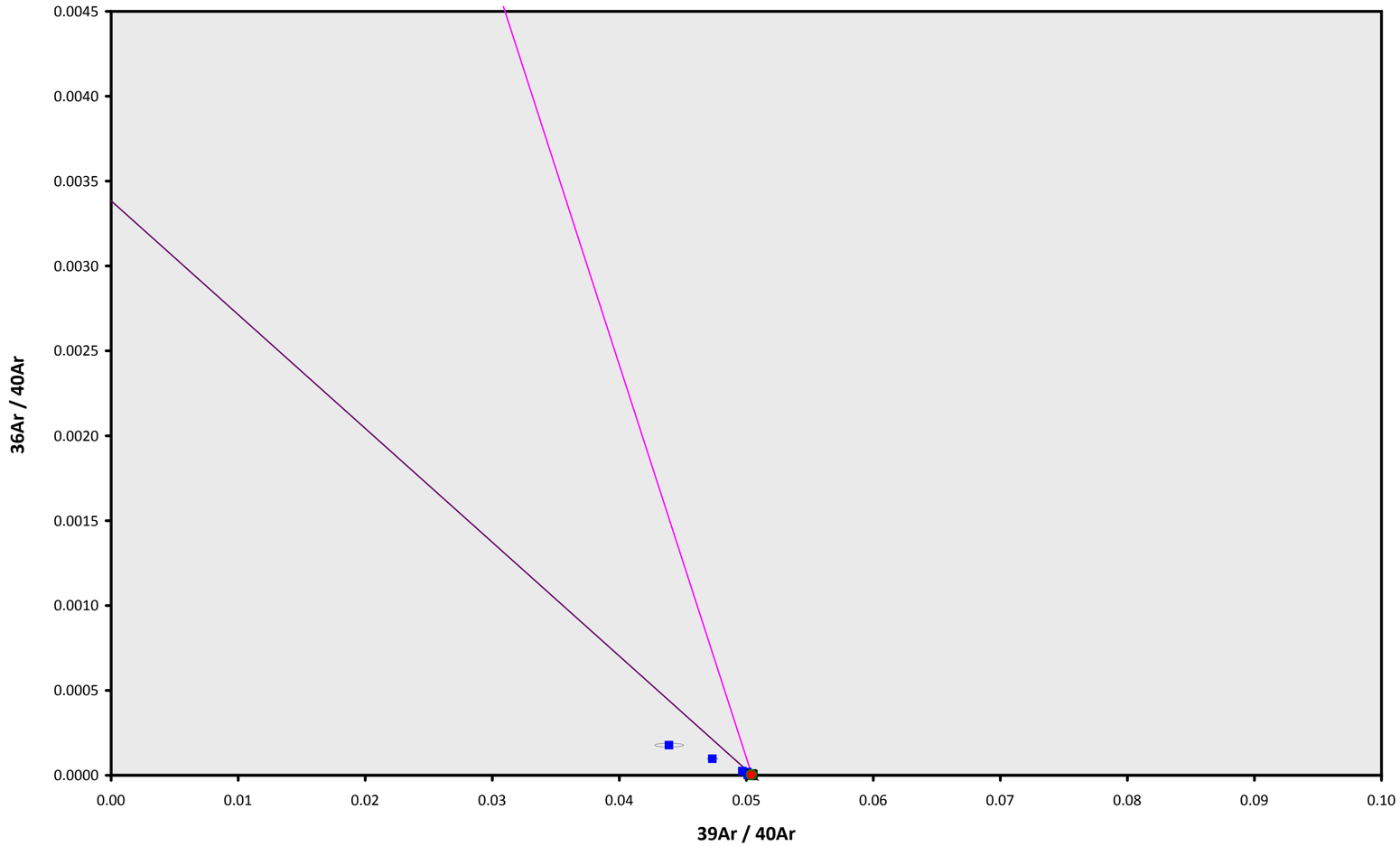
40AR/36AR INTERCEPT
-235.2 ± 398.1 (NEG)

Sample Info

K-Feldspar
Fedallah Guyot
Susan Schnur

IRR = 15-OSU-07 (7A8-15)
J = 0.00174915 ± 0.00000276

16D05484.AGE >>> MV1203-D05-05 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
61.60 ± 0.19
TOTAL FUSION
61.63 ± 0.19
NORMAL ISOCHRON
61.69 ± 0.20
INVERSE ISOCHRON
61.63 ± 0.20

MSWD (PROBABILITY)
0.61 (85%)

SPREADING FACTOR
0.2%

40AR/36AR INTERCEPT
85.7 ± 60.2

Sample Info

K-Feldspar
Fedallah Guyot
Susan Schnur

IRR = 15-OSU-07 (7A8-15)
J = 0.00174915 ± 0.00000276