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
16D07229	1.8 %		0.0213502	1.682	46.5418	0.408	0.0320232	74.737	2.56075	1.119	57.236	0.269	21.57902 ± 0.51113	65.65 ± 1.53	95.36	0.51	0.0234 ± 0.0006
16D07231	2.0 %		0.0294057	1.382	67.4796	0.345	0.0486488	47.749	3.71566	0.765	83.274	0.185	21.76530 ± 0.35394	66.21 ± 1.06	95.93	0.74	0.0234 ± 0.0004
16D07232	2.4 %		0.0345358	1.210	83.4944	0.323	0.0388457	60.646	4.56841	0.628	101.607	0.152	21.70991 ± 0.28971	66.04 ± 0.87	96.41	0.91	0.0232 ± 0.0003
16D07233	2.8 %		0.1009476	0.648	242.9692	0.281	0.1831105	12.907	13.12518	0.229	291.351	0.053	21.64887 ± 0.10829	65.86 ± 0.32	96.31	2.62	0.0229 ± 0.0002
16D07235	3.2 %		0.0845344	0.664	232.1390	0.282	0.0882384	25.962	12.21828	0.241	269.323	0.058	21.76886 ± 0.11364	66.22 ± 0.34	97.49	2.44	0.0223 ± 0.0002
16D07236	3.6 %	✓	0.1453965	0.519	372.9679	0.278	0.2720346	8.889	19.67379	0.167	438.033	0.036	21.84881 ± 0.08009	66.46 ± 0.24	96.87	3.92	0.0224 ± 0.0001
16D07237	4.0 %	✓	0.1858072	0.502	461.6271	0.276	0.3093864	7.875	24.82656	0.134	555.765	0.028	21.90896 ± 0.06588	66.63 ± 0.20	96.64	4.95	0.0228 ± 0.0001
16D07239	4.5 %	✓	0.1681011	0.526	471.1335	0.277	0.2848696	8.326	26.13017	0.130	579.274	0.027	21.95019 ± 0.06368	66.76 ± 0.19	97.81	5.21	0.0236 ± 0.0001
16D07240	5.2 %	✓	0.2213688	0.451	582.7399	0.276	0.4244556	5.540	33.82932	0.110	754.796	0.021	21.98585 ± 0.05412	66.86 ± 0.16	97.39	6.75	0.0247 ± 0.0001
16D07241	6.1 %	✓	0.3869523	0.393	979.9308	0.275	0.7575244	3.182	60.02189	0.083	1339.773	0.012	21.93930 ± 0.04171	66.73 ± 0.12	97.20	11.99	0.0260 ± 0.0002
16D07243	7.3 %	✓	0.7145194	0.331	1246.5623	0.275	1.1392310	2.054	85.55466	0.077	1971.999	0.009	21.94043 ± 0.03915	66.73 ± 0.12	94.25	17.11	0.0292 ± 0.0002
16D07244	8.5 %	✓	0.5064325	0.371	1034.0017	0.275	1.0043060	2.444	78.27676	0.078	1772.465	0.009	21.96345 ± 0.03879	66.80 ± 0.12	96.13	15.67	0.0323 ± 0.0002
16D07245	9.7 %	✓	0.3973810	0.381	638.0980	0.276	0.7241279	3.303	57.12718	0.085	1312.744	0.012	21.96473 ± 0.04167	66.80 ± 0.12	94.86	11.45	0.0382 ± 0.0002
16D07247	11.0 %	✓	0.2122937	0.457	276.5488	0.280	0.3581431	7.022	28.07719	0.126	652.871	0.024	21.93569 ± 0.06064	66.71 ± 0.18	93.71	5.63	0.0434 ± 0.0003
16D07248	12.4 %	✓	0.1199562	0.608	131.5759	0.296	0.2445599	9.771	16.37788	0.194	383.037	0.041	21.97082 ± 0.09188	66.82 ± 0.27	93.43	3.29	0.0532 ± 0.0004
16D07249	14.0 %	✓	0.1837765	0.454	194.7672	0.285	0.2958982	8.118	19.62245	0.171	466.100	0.034	21.91009 ± 0.08129	66.64 ± 0.24	91.62	3.94	0.0430 ± 0.0003
16D07251	15.8 %		0.0683480	0.769	86.9095	0.320	0.0941061	25.678	5.57251	0.524	132.587	0.116	21.62007 ± 0.24270	65.77 ± 0.73	89.91	1.11	0.0273 ± 0.0003
16D07252	18.0 %		0.0524983	0.888	68.3177	0.350	0.0749885	32.168	3.81979	0.765	92.056	0.167	21.70440 ± 0.35378	66.02 ± 1.06	88.97	0.76	0.0238 ± 0.0004
16D07254	20.5 %		0.0377106	1.074	54.1159	0.383	0.0486238	48.586	2.52004	1.145	60.329	0.254	21.51597 ± 0.52408	65.46 ± 1.57	88.57	0.50	0.0197 ± 0.0005
16D07255	22.5 %		0.0186598	1.909	26.1139	0.608	0.0119969	201.023	1.16949	2.413	27.570	0.556	20.92853 ± 1.07532	63.70 ± 3.22	87.44	0.23	0.0190 ± 0.0010
16D07257	24.5 %		0.0223184	1.644	29.6785	0.556	0.0161955	149.692	1.17053	2.473	29.087	0.527	21.57596 ± 1.13402	65.64 ± 3.39	85.34	0.23	0.0167 ± 0.0009
		Σ	3.7122939	0.124	7327.7128	0.086	6.4189231	1.708	499.95851	0.034	11371.275	0.006					

Information on Analysis and Constants Used in Calculations

Project = **MV1203 (13-INT-04)**
Sample = **MV1203-D09-01**
Material = **Plagioclase**
Location = **Hosea Guyot**
Region = **Walvis Ridge**
Analyst = **Susan Schnur**
Irradiation = **15-OSU-07 (7A15-15)**
Position = **X: 0 | Y: 0 | Z/H: 26.92 mm**
FCT-NM Age = **28.201 ± 0.023 Ma**
FCT-NM Reference = **Kuiper et al (2008)**
FCT-NM 40Ar/39Ar Ratio = **9.17382 ± 0.01422**
FCT-NM J-value = **0.00171329 ± 0.00000266**
Air Shot 40Ar/36Ar = **304.7290 ± 0.4175**
Air Shot MDF = **0.99241873 ± 0.00066450 (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 = **IESS10067**
Rock Class = **Igneous>Volcanic>Mafic**
Lithology = **Trachybasalt**
Lat-Lon = **31°30.1'S - 0°40.2'E**

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		21.94614 ± 0.01759 (± 0.08%)	**66.75 ± 0.21 (± 0.31%)**	1.23	89.94	0.0279 ± 0.0045
				26%	11	
		Full External Error ± 1.51		1.89	2σ Confidence Limit	
		Analytical Error ± 0.05		1.1105	Error Magnification	
Total Fusion Age		21.91689 ± 0.01668 (± 0.08%)	**66.66 ± 0.21 (± 0.31%)**		21	0.0290 ± 0.0001
		Full External Error ± 1.51				
		Analytical Error ± 0.05				
Normal Isochron	**295.45 ± 14.43 (± 4.88%)**	21.94526 ± 0.05231 (± 0.24%)	**66.74 ± 0.26 (± 0.38%)**	1.38	89.94	
				19%	11	
		Full External Error ± 1.51		1.94	2σ Confidence Limit	
		Analytical Error ± 0.16		1.1745	Error Magnification	
				1	Number of Iterations	
				0.0000445900	Convergence	
Inverse Isochron	**293.60 ± 14.26 (± 4.86%)**	21.95267 ± 0.05179 (± 0.24%)	**66.77 ± 0.26 (± 0.38%)**	1.35	89.94	
				20%	11	
		Full External Error ± 1.52		1.94	2σ Confidence Limit	
		Analytical Error ± 0.15		1.1639	Error Magnification	
Notes				2	Number of Iterations	
Good plateau				0.0000504263	Convergence	
				6%	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
16D07229	1.8 %		0.0089561	46.5418	0.0000000	2.52931	54.580	65.65 ± 1.53	95.36	0.51	0.0234 ± 0.0006
16D07231	2.0 %		0.0114359	67.4796	0.0000000	3.67008	79.880	66.21 ± 1.06	95.93	0.74	0.0234 ± 0.0004
16D07232	2.4 %		0.0123013	83.4944	0.0000000	4.51200	97.955	66.04 ± 0.87	96.41	0.91	0.0232 ± 0.0003
16D07233	2.8 %		0.0362446	242.9692	0.0029570	12.96103	280.592	65.86 ± 0.32	96.31	2.62	0.0229 ± 0.0002
16D07235	3.2 %		0.0227158	232.1390	0.0000000	12.06145	262.564	66.22 ± 0.34	97.49	2.44	0.0223 ± 0.0002
16D07236	3.6 %	✓	0.0460749	372.9679	0.0029802	19.42182	424.344	66.46 ± 0.24	96.87	3.92	0.0224 ± 0.0001
16D07237	4.0 %	✓	0.0628759	461.6271	0.0000000	24.51469	537.091	66.63 ± 0.20	96.64	4.95	0.0228 ± 0.0001
16D07239	4.5 %	✓	0.0426382	471.1335	0.0000000	25.81187	566.575	66.76 ± 0.19	97.81	5.21	0.0236 ± 0.0001
16D07240	5.2 %	✓	0.0661851	582.7399	0.0000000	33.43562	735.110	66.86 ± 0.16	97.39	6.75	0.0247 ± 0.0001
16D07241	6.1 %	✓	0.1259968	979.9308	0.0000000	59.35985	1302.314	66.73 ± 0.12	97.20	11.99	0.0260 ± 0.0002
16D07243	7.3 %	✓	0.3825599	1246.5623	0.0000000	84.71248	1858.629	66.73 ± 0.12	94.25	17.11	0.0292 ± 0.0002
16D07244	8.5 %	✓	0.2310779	1034.0017	0.0000000	77.57819	1703.884	66.80 ± 0.12	96.13	15.67	0.0323 ± 0.0002
16D07245	9.7 %	✓	0.2274555	638.0980	0.0000000	56.69608	1245.314	66.80 ± 0.12	94.86	11.45	0.0382 ± 0.0002
16D07247	11.0 %	✓	0.1386487	276.5488	0.0000000	27.89035	611.794	66.71 ± 0.18	93.71	5.63	0.0434 ± 0.0003
16D07248	12.4 %	✓	0.0849150	131.5759	0.0232693	16.28899	357.882	66.82 ± 0.27	93.43	3.29	0.0532 ± 0.0004
16D07249	14.0 %	✓	0.1319076	194.7672	0.0227658	19.49086	427.047	66.64 ± 0.24	91.62	3.94	0.0430 ± 0.0003
16D07251	15.8 %		0.0452026	86.9095	0.0130812	5.51379	119.209	65.77 ± 0.73	89.91	1.11	0.0273 ± 0.0003
16D07252	18.0 %		0.0343033	68.3177	0.0182714	3.77364	81.905	66.02 ± 1.06	88.97	0.76	0.0238 ± 0.0004
16D07254	20.5 %		0.0232984	54.1159	0.0105051	2.48348	53.434	65.46 ± 1.57	88.57	0.50	0.0197 ± 0.0005
16D07255	22.5 %		0.0117056	26.1139	0.0000000	1.15185	24.107	63.70 ± 3.22	87.44	0.23	0.0190 ± 0.0010
16D07257	24.5 %		0.0144150	29.6785	0.0000000	1.15048	24.823	65.64 ± 3.39	85.34	0.23	0.0167 ± 0.0009
		Σ	1.7609140	7327.7128	0.0938301	495.00790	10849.032				

Information on Analysis

Project = **MV1203 (13-INT-04)**
Sample = **MV1203-D09-01**
Material = **Plagioclase**
Location = **Hosea Guyot**
Region = **Walvis Ridge**
Analyst = **Susan Schnur**
Irradiation = **15-OSU-07 (7A15-15)**
J = **0.00171329 ± 0.00000266**
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	21.94614	± 0.01759	**66.75**	**± 0.21**	1.23	89.94	0.0279 ± 0.0045
		± 0.08%		**± 0.31%**	26%	11	
			Full External Error	± 1.51	1.89	2σ Confidence Limit	
			Analytical Error	± 0.05	1.1105	Error Magnification	
Total Fusion Age	21.91689	± 0.01668	**66.66**	**± 0.21**		21	0.0290 ± 0.0001
		± 0.08%		**± 0.31%**			
			Full External Error	± 1.51			
			Analytical Error	± 0.05			

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
16D07229	1.8 %		282.41 ± 23.78	6389.67 ± 519.31	0.9610
16D07231	2.0 %		320.93 ± 23.66	7280.54 ± 525.33	0.9764
16D07232	2.4 %		366.79 ± 25.79	8258.52 ± 571.75	0.9826
16D07233	2.8 %		357.60 ± 13.63	8037.12 ± 304.24	0.9921
16D07235	3.2 %		530.97 ± 27.94	11854.14 ± 621.17	0.9954
16D07236	3.6 %	✓	421.53 ± 15.01	9505.37 ± 336.93	0.9952
16D07237	4.0 %	✓	389.89 ± 12.57	8837.58 ± 284.02	0.9963
16D07239	4.5 %	✓	605.37 ± 27.54	13583.48 ± 616.85	0.9982
16D07240	5.2 %	✓	505.18 ± 16.99	11402.38 ± 382.62	0.9977
16D07241	6.1 %	✓	471.12 ± 12.94	10631.59 ± 291.51	0.9980
16D07243	7.3 %	✓	221.44 ± 3.01	5153.90 ± 69.58	0.9932
16D07244	8.5 %	✓	335.72 ± 6.03	7669.14 ± 137.16	0.9960
16D07245	9.7 %	✓	249.26 ± 3.55	5770.48 ± 81.56	0.9925
16D07247	11.0 %	✓	201.16 ± 2.94	4708.05 ± 67.88	0.9843
16D07248	12.4 %	✓	191.83 ± 3.42	4510.09 ± 78.48	0.9746
16D07249	14.0 %	✓	147.76 ± 1.97	3532.97 ± 45.60	0.9648
16D07251	15.8 %		121.98 ± 3.15	2932.71 ± 69.33	0.9073
16D07252	18.0 %		110.01 ± 3.47	2683.16 ± 74.31	0.8648
16D07254	20.5 %		106.59 ± 4.49	2588.98 ± 91.89	0.8254
16D07255	22.5 %		98.40 ± 7.72	2354.90 ± 146.78	0.7687
16D07257	24.5 %		79.81 ± 5.74	2017.50 ± 105.66	0.6992

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	**295.45 ± 14.43** **± 4.88%**	21.94526 ± 0.05231 ± 0.24%	**66.74 ± 0.26** **± 0.38%**	1.38 19%
			Full External Error ± 1.51	
			Analytical Error ± 0.16	

Statistics				
	2σ Confidence Limit	1.94	Convergence	0.000044590036
	Error Magnification	1.1745	Number of Iterations	1
	Number of Data Points	11	Calculated Line	Weighted York-2

Inverse Isochron			39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
16D07229	1.8 %		0.0441982 ± 0.0010296	0.00015650 ± 0.00001272	0.0153
16D07231	2.0 %		0.0440799 ± 0.0007025	0.00013735 ± 0.00000991	0.0119
16D07232	2.4 %		0.0444138 ± 0.0005804	0.00012109 ± 0.00000838	0.0102
16D07233	2.8 %		0.0444935 ± 0.0002127	0.00012442 ± 0.00000471	0.0062
16D07235	3.2 %		0.0447921 ± 0.0002257	0.00008436 ± 0.00000442	0.0050
16D07236	3.6 %	✓	0.0443462 ± 0.0001543	0.00010520 ± 0.00000373	0.0042
16D07237	4.0 %	✓	0.0441173 ± 0.0001231	0.00011315 ± 0.00000364	0.0036
16D07239	4.5 %	✓	0.0445666 ± 0.0001211	0.00007362 ± 0.00000334	0.0024
16D07240	5.2 %	✓	0.0443051 ± 0.0001015	0.00008770 ± 0.00000294	0.0023
16D07241	6.1 %	✓	0.0443134 ± 0.0000767	0.00009406 ± 0.00000258	0.0012
16D07243	7.3 %	✓	0.0429647 ± 0.0000680	0.00019403 ± 0.00000262	0.0014
16D07244	8.5 %	✓	0.0437759 ± 0.0000706	0.00013039 ± 0.00000233	0.0012
16D07245	9.7 %	✓	0.0431961 ± 0.0000749	0.00017330 ± 0.00000245	0.0025
16D07247	11.0 %	✓	0.0427265 ± 0.0001104	0.00021240 ± 0.00000306	0.0063
16D07248	12.4 %	✓	0.0425328 ± 0.0001696	0.00022172 ± 0.00000386	0.0095
16D07249	14.0 %	✓	0.0418236 ± 0.0001467	0.00028305 ± 0.00000365	0.0100
16D07251	15.8 %		0.0415928 ± 0.0004514	0.00034098 ± 0.00000806	0.0210
16D07252	18.0 %		0.0409995 ± 0.0006498	0.00037270 ± 0.00001032	0.0256
16D07254	20.5 %		0.0411723 ± 0.0009793	0.00038625 ± 0.00001371	0.0307
16D07255	22.5 %		0.0417859 ± 0.0020995	0.00042465 ± 0.00002647	0.0395
16D07257	24.5 %		0.0395594 ± 0.0020340	0.00049566 ± 0.00002596	0.0412

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	**293.60 ± 14.26**	21.95267 ± 0.05179	**66.77 ± 0.26**	1.35
	± 4.86%	± 0.24%	**± 0.38%**	20%
			Full External Error ± 1.52	
			Analytical Error ± 0.15	

Statistics				
	2σ Confidence Limit	1.94	Convergence	0.0000504263
	Error Magnification	1.1639	Number of Iterations	2
	Number of Data Points	11	Calculated Line	Weighted York-2
	Spreading Factor	6.0%		

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
16D07229	1.8 %		0.0089561	4.05	0.0000000	0.00	0.0123941	0.43	0.0000000	0.00	46.5418	0.41	0.0016739	4.05	0.0000000	0.00	0.0304301	1.14	0.0033417	12.83	0.0000000	0.00	2.52931	1.13	0.0314437	1.38	54.580	0.34	2.64653	4.05	0.0000000	0.00	0.0096695	2.89
16D07231	2.0 %		0.0114359	3.60	0.0000000	0.00	0.0179698	0.38	0.0000000	0.00	67.4796	0.34	0.0021374	3.60	0.0000000	0.00	0.0441547	0.79	0.0048450	12.82	0.0000000	0.00	3.67008	0.78	0.0455892	1.36	79.880	0.25	3.37931	3.60	0.0000000	0.00	0.0140307	2.77
16D07232	2.4 %		0.0123013	3.46	0.0000000	0.00	0.0222346	0.36	0.0000000	0.00	83.4944	0.32	0.0022991	3.46	0.0000000	0.00	0.0542839	0.66	0.0059949	12.82	0.0000000	0.00	4.51200	0.64	0.0564088	1.36	97.955	0.20	3.63502	3.46	0.0000000	0.00	0.0172494	2.73
16D07233	2.8 %		0.0362446	1.89	0.0000000	0.00	0.0647027	0.32	0.0000003	803.01	242.9692	0.28	0.0067741	1.89	0.0000000	0.00	0.1559341	0.28	0.0174452	12.82	0.0029570	803.01	12.96103	0.23	0.1641500	1.35	280.592	0.09	10.71027	1.89	0.0000000	0.00	0.0495500	2.67
16D07235	3.2 %		0.0227158	2.62	0.0000000	0.00	0.0618186	0.32	0.0000000	0.00	232.1390	0.28	0.0042456	2.62	0.0000000	0.00	0.1451113	0.29	0.0166676	12.82	0.0000000	0.00	12.06145	0.25	0.1568331	1.35	262.564	0.09	6.71252	2.62	0.0000000	0.00	0.0461109	2.67
16D07236	3.6 %	✓	0.0460749	1.77	0.0000000	0.00	0.0993214	0.32	0.0000003	819.78	372.9679	0.28	0.0086114	1.77	0.0000000	0.00	0.2336639	0.23	0.0267791	12.82	0.0029802	819.78	19.42182	0.17	0.2519771	1.35	424.344	0.07	13.61512	1.77	0.0000000	0.00	0.0742496	2.67
16D07237	4.0 %	✓	0.0628759	1.61	0.0000000	0.00	0.1229313	0.31	0.0000000	0.00	461.6271	0.28	0.0117515	1.61	0.0000000	0.00	0.2949362	0.21	0.0331448	12.82	0.0000000	0.00	24.51469	0.14	0.3118753	1.35	537.091	0.06	18.57983	1.61	0.0000000	0.00	0.0937197	2.66
16D07239	4.5 %	✓	0.0426382	2.27	0.0000000	0.00	0.1254629	0.31	0.0000000	0.00	471.1335	0.28	0.0079691	2.27	0.0000000	0.00	0.3105427	0.21	0.0338274	12.82	0.0000000	0.00	25.81187	0.13	0.3182978	1.35	566.575	0.06	12.59959	2.27	0.0000000	0.00	0.0986788	2.66
16D07240	5.2 %	✓	0.0661851	1.68	0.0000000	0.00	0.1551836	0.31	0.0000000	0.00	582.7399	0.28	0.0123700	1.68	0.0000000	0.00	0.4022639	0.20	0.0418407	12.82	0.0000000	0.00	33.43562	0.11	0.3936991	1.35	735.110	0.05	19.55770	1.68	0.0000000	0.00	0.1278244	2.66
16D07241	6.1 %	✓	0.1259968	1.37	0.0000000	0.00	0.2609556	0.31	0.0000000	0.00	979.9308	0.28	0.0235488	1.37	0.0000000	0.00	0.7141584	0.18	0.0703590	12.82	0.0000000	0.00	59.35985	0.09	0.6620413	1.35	1302.314	0.04	37.23204	1.37	0.0000000	0.00	0.2269327	2.66
16D07243	7.3 %	✓	0.3825599	0.67	0.0000000	0.00	0.3319595	0.31	0.0000000	0.00	1246.5623	0.27	0.0715004	0.67	0.0000000	0.00	1.0191759	0.18	0.0895032	12.82	0.0000000	0.00	84.71248	0.08	0.8421775	1.35	1858.629	0.04	113.04644	0.67	0.0000000	0.00	0.3238558	2.66
16D07244	8.5 %	✓	0.2310779	0.89	0.0000000	0.00	0.2753546	0.31	0.0000000	0.00	1034.0017	0.28	0.0431885	0.89	0.0000000	0.00	0.9333432	0.18	0.0742413	12.82	0.0000000	0.00	77.57819	0.08	0.6985715	1.35	1703.884	0.04	68.28351	0.89	0.0000000	0.00	0.2965814	2.66
16D07245	9.7 %	✓	0.2274555	0.71	0.0000000	0.00	0.1699255	0.31	0.0000000	0.00	638.0980	0.28	0.0425114	0.71	0.0000000	0.00	0.6821105	0.18	0.0458154	12.82	0.0000000	0.00	56.69608	0.09	0.4310990	1.35	1245.314	0.04	67.21311	0.71	0.0000000	0.00	0.2167491	2.66
16D07247	11.0 %	✓	0.1386487	0.72	0.0000000	0.00	0.0736449	0.32	0.0000000	0.00	276.5488	0.28	0.0259135	0.72	0.0000000	0.00	0.3355488	0.20	0.0198562	12.82	0.0000000	0.00	27.89035	0.13	0.1868364	1.35	611.794	0.05	40.97070	0.72	0.0000000	0.00	0.1066248	2.66
16D07248	12.4 %	✓	0.0849150	0.87	0.0000000	0.00	0.0350387	0.33	0.0000025	102.85	131.5759	0.30	0.0158706	0.87	0.0000000	0.00	0.1959728	0.25	0.0094472	12.82	0.0232693	102.85	16.28899	0.20	0.0888927	1.35	357.882	0.07	25.09239	0.87	0.0000000	0.00	0.0622728	2.67
16D07249	14.0 %	✓	0.1319076	0.64	0.0000000	0.00	0.0518665	0.32	0.0000024	105.84	194.7672	0.29	0.0246535	0.64	0.0000000	0.00	0.2344946	0.23	0.0139843	12.82	0.0227658	105.85	19.49086	0.17	0.1315847	1.35	427.047	0.07	38.97868	0.64	0.0000000	0.00	0.0745136	2.67
16D07251	15.8 %		0.0452026	1.18	0.0000000	0.00	0.0231440	0.35	0.0000014	184.86	86.9095	0.32	0.0084484	1.18	0.0000000	0.00	0.0663364	0.55	0.0062401	12.82	0.0130812	184.86	5.51379	0.53	0.0587161	1.36	119.209	0.18	13.35736	1.18	0.0000000	0.00	0.0210792	2.71
16D07252	18.0 %		0.0343033	1.37	0.0000000	0.00	0.0181930	0.38	0.0000019	132.09	68.3177	0.35	0.0064113	1.37	0.0000000	0.00	0.0454006	0.79	0.0049052	12.82	0.0182714	132.09	3.77364	0.77	0.0461555	1.37	81.905	0.25	10.13663	1.37	0.0000000	0.00	0.0144266	2.77
16D07254	20.5 %		0.0232984	1.76	0.0000000	0.00	0.0144111	0.41	0.0000011	224.97	54.1159	0.38	0.0043545	1.76	0.0000000	0.00	0.0298787	1.17	0.0038855	12.83	0.0105051	224.97	2.48348	1.16	0.0365607	1.37	53.434	0.37	6.88467	1.76	0.0000000	0.00	0.0094943	2.90
16D07255	22.5 %		0.0117056	3.07	0.0000000	0.00	0.0069541	0.63	0.0000000	0.00	26.1139	0.61	0.0021878	3.07	0.0000000	0.00	0.0138579	2.46	0.0018750	12.83	0.0000000	0.00	1.15185	2.45	0.0176425	1.45	24.107	0.77	3.45901	3.07	0.0000000	0.00	0.0044035	3.62
16D07257	24.5 %		0.0144150	2.56	0.0000000	0.00	0.0079034	0.58	0.0000000	0.00	29.6785	0.56	0.0026942	2.56	0.0000000	0.00	0.0138414	2.52	0.0021309	12.83	0.0000000	0.00	1.15048	2.52	0.0200508	1.43	24.823	0.76	4.25964	2.56	0.0000000	0.00	0.0043983	3.66
	Σ		1.7609140	0.28	0.0000000	0.00	1.9513699	0.10	0.0000099	67.72	7327.7128	0.09	0.3291148	0.28	0.0000000	0.00	5.9554401	0.06	0.5261298	3.98	0.0938301	67.74	495.00790	0.03	4.9506028	0.42	10849.032	0.02	520.35010	0.28	0.0000000	0.00	1.8924152	0.84
	Σ								3.7122939	0.14	7327.7128	0.09									6.9045148	0.97			499.95851	0.03							11371.275	0.02

Additional Parameters			40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
16D07229	1.8 %		22.351322	0.257292	18.175072	0.216502	0.008337	0.000168	65.017	3.620785	1.00045975	2.747E-12
16D07231	2.0 %		22.411503	0.176465	18.160846	0.152474	0.007914	0.000125	65.029	3.621630	1.00045983	3.997E-12
16D07232	2.4 %		22.241310	0.143589	18.276462	0.128979	0.007560	0.000103	65.035	3.622027	1.00045987	4.877E-12
16D07233	2.8 %		22.197900	0.052288	18.511691	0.067157	0.007691	0.000053	65.041	3.622474	1.00045992	1.398E-11
16D07235	3.2 %		22.042589	0.054725	18.999323	0.070498	0.006919	0.000049	65.053	3.623319	1.00046000	1.293E-11
16D07236	3.6 %	✓	22.264792	0.038071	18.957601	0.061425	0.007390	0.000040	65.058	3.623717	1.00046004	2.103E-11
16D07237	4.0 %	✓	22.385892	0.030618	18.594081	0.057103	0.007484	0.000039	65.065	3.624164	1.00046008	2.668E-11
16D07239	4.5 %	✓	22.168767	0.029541	18.030248	0.055139	0.006433	0.000035	65.076	3.625009	1.00046017	2.781E-11
16D07240	5.2 %	✓	22.311888	0.025036	17.225884	0.051181	0.006544	0.000030	65.082	3.625407	1.00046021	3.623E-11
16D07241	6.1 %	✓	22.321400	0.018820	16.326224	0.046942	0.006447	0.000026	65.087	3.625805	1.00046025	6.431E-11
16D07243	7.3 %	✓	23.049580	0.017807	14.570361	0.041599	0.008352	0.000028	65.099	3.626650	1.00046033	9.466E-11
16D07244	8.5 %	✓	22.643560	0.017895	13.209561	0.037796	0.006470	0.000025	65.106	3.627098	1.00046037	8.508E-11
16D07245	9.7 %	✓	22.979328	0.019647	11.169780	0.032223	0.006956	0.000027	65.111	3.627496	1.00046041	6.301E-11
16D07247	11.0 %	✓	23.252735	0.029779	9.849591	0.030229	0.007561	0.000036	65.123	3.628342	1.00046050	3.134E-11
16D07248	12.4 %	✓	23.387460	0.046364	8.033756	0.028428	0.007324	0.000047	65.129	3.628790	1.00046054	1.839E-11
16D07249	14.0 %	✓	23.753392	0.041322	9.925733	0.032993	0.009366	0.000045	65.135	3.629188	1.00046058	2.237E-11
16D07251	15.8 %		23.793061	0.127768	15.596121	0.095820	0.012265	0.000114	65.147	3.630035	1.00046066	6.364E-12
16D07252	18.0 %		24.099626	0.188719	17.885192	0.150431	0.013744	0.000161	65.153	3.630483	1.00046071	4.419E-12
16D07254	20.5 %		23.939557	0.280714	21.474221	0.259180	0.014964	0.000235	65.165	3.631329	1.00046079	2.896E-12
16D07255	22.5 %		23.574278	0.583716	22.329219	0.555602	0.015955	0.000491	65.170	3.631728	1.00046083	1.323E-12
16D07257	24.5 %		24.849204	0.628310	25.354833	0.642694	0.019067	0.000566	65.182	3.632575	1.00046091	1.396E-12

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
16D07229	1.8 %	0.0028750 ± 0.0002046	0.0012124 ± 0.0336773	0.0550737 ± 0.0167318	0.0022848 ± 0.0236613	0.8501881 ± 0.1522509
16D07231	2.0 %	0.0031174 ± 0.0002046	0.0143695 ± 0.0336773	0.0452251 ± 0.0167318	0.0078164 ± 0.0236613	0.9368018 ± 0.1522509
16D07232	2.4 %	0.0031683 ± 0.0002046	0.0157665 ± 0.0336773	0.0422032 ± 0.0167318	0.0086213 ± 0.0236613	0.9314812 ± 0.1522509
16D07233	2.8 %	0.0031911 ± 0.0002046	0.0143962 ± 0.0336773	0.0397443 ± 0.0167318	0.0085720 ± 0.0236613	0.9041584 ± 0.1522509
16D07235	3.2 %	0.0031690 ± 0.0002046	0.0072234 ± 0.0336773	0.0370889 ± 0.0167318	0.0067630 ± 0.0236613	0.8246341 ± 0.1522509
16D07236	3.6 %	0.0031427 ± 0.0002046	0.0032816 ± 0.0336773	0.0364532 ± 0.0167318	0.0055420 ± 0.0236613	0.7874288 ± 0.1522509
16D07237	4.0 %	0.0031097 ± 0.0002046	0.0006380 ± 0.0336773	0.0360228 ± 0.0167318	0.0041463 ± 0.0236613	0.7536804 ± 0.1522509
16D07239	4.5 %	0.0030569 ± 0.0002046	0.0045213 ± 0.0336773	0.0356156 ± 0.0167318	0.0020247 ± 0.0236613	0.7298250 ± 0.1522509
16D07240	5.2 %	0.0030432 ± 0.0002046	0.0040986 ± 0.0336773	0.0354625 ± 0.0167318	0.0014565 ± 0.0236613	0.7416901 ± 0.1522509
16D07241	6.1 %	0.0030396 ± 0.0002046	0.0019907 ± 0.0336773	0.0352710 ± 0.0167318	0.0012460 ± 0.0236613	0.7699671 ± 0.1522509
16D07243	7.3 %	0.0030701 ± 0.0002046	0.0082517 ± 0.0336773	0.0346345 ± 0.0167318	0.0021005 ± 0.0236613	0.8840504 ± 0.1522509
16D07244	8.5 %	0.0031075 ± 0.0002046	0.0166353 ± 0.0336773	0.0341641 ± 0.0167318	0.0032589 ± 0.0236613	0.9710729 ± 0.1522509
16D07245	9.7 %	0.0031517 ± 0.0002046	0.0255064 ± 0.0336773	0.0336939 ± 0.0167318	0.0046486 ± 0.0236613	1.0604575 ± 0.1522509
16D07247	11.0 %	0.0032708 ± 0.0002046	0.0471699 ± 0.0336773	0.0327248 ± 0.0167318	0.0084025 ± 0.0236613	1.2710142 ± 0.1522509
16D07248	12.4 %	0.0033401 ± 0.0002046	0.0589796 ± 0.0336773	0.0323864 ± 0.0167318	0.0105746 ± 0.0236613	1.3815966 ± 0.1522509
16D07249	14.0 %	0.0033994 ± 0.0002046	0.0687944 ± 0.0336773	0.0323086 ± 0.0167318	0.0124200 ± 0.0236613	1.4706223 ± 0.1522509
16D07251	15.8 %	0.0034948 ± 0.0002046	0.0840876 ± 0.0336773	0.0333328 ± 0.0167318	0.0153048 ± 0.0236613	1.5972591 ± 0.1522509
16D07252	18.0 %	0.0035128 ± 0.0002046	0.0869174 ± 0.0336773	0.0348532 ± 0.0167318	0.0157600 ± 0.0236613	1.6084920 ± 0.1522509
16D07254	20.5 %	0.0034417 ± 0.0002046	0.0761586 ± 0.0336773	0.0404929 ± 0.0167318	0.0131777 ± 0.0236613	1.4650451 ± 0.1522509
16D07255	22.5 %	0.0033423 ± 0.0002046	0.0612873 ± 0.0336773	0.0447816 ± 0.0167318	0.0098192 ± 0.0236613	1.2989068 ± 0.1522509
16D07257	24.5 %	0.0029363 ± 0.0002046	0.0013861 ± 0.0336773	0.0585108 ± 0.0167318	0.0036155 ± 0.0236613	0.6652511 ± 0.1522509

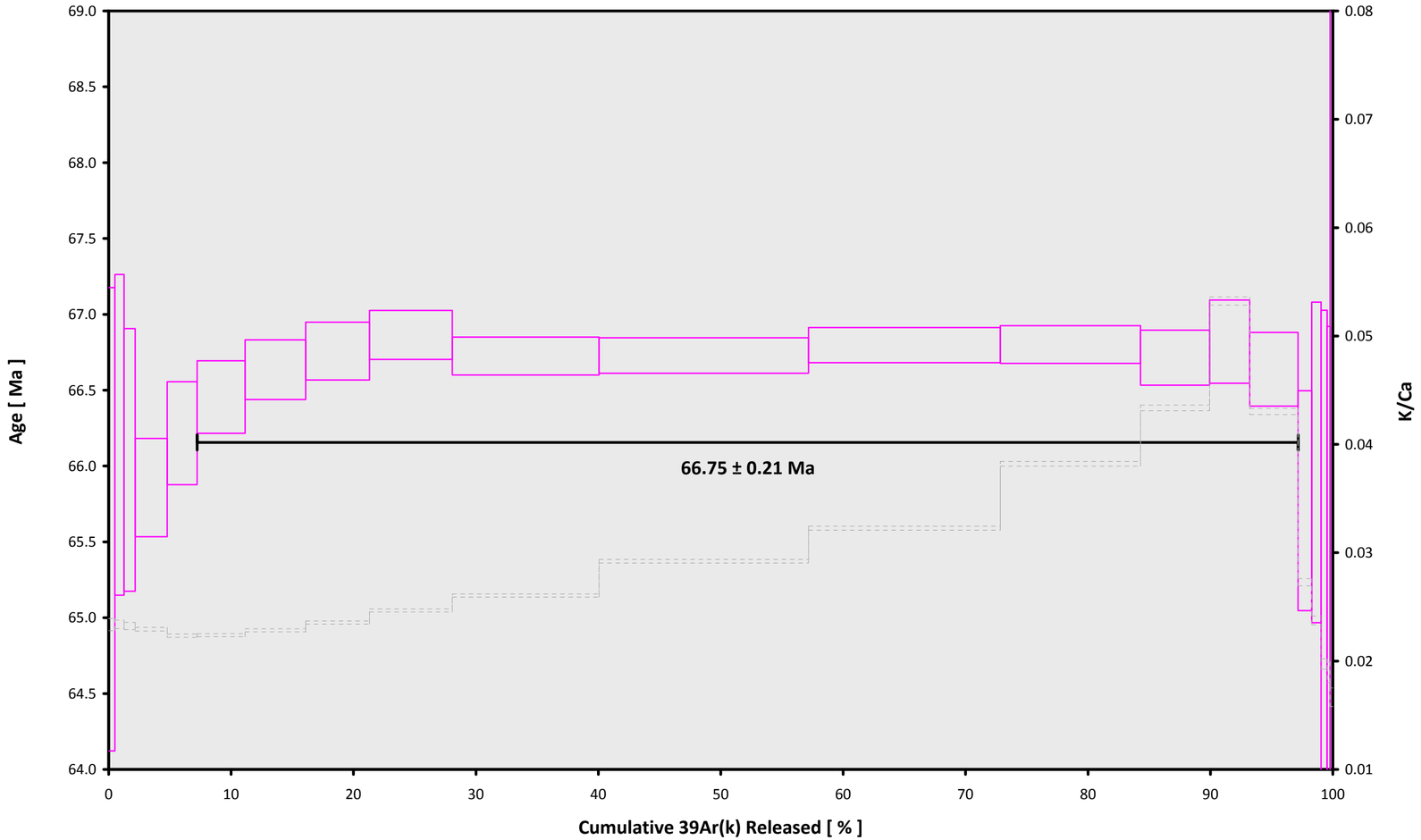
Intercept Values		36Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	37Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	38Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	39Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	40Ar ± 1σ (SE) [fA]	r2	Regression (type,n)
16D07229	1.8 %	0.0230915 ± 0.0002660	0.8899	EXP 150 of 150	12.5609350 ± 0.0172664	0.9479	EXP 149 of 150	0.0866114 ± 0.0166015	0.0002	EXP 150 of 150	2.5424913 ± 0.0156745	0.2002	EXP 150 of 150	58.086349 ± 0.021955	0.9994	EXP 150 of 150
16D07231	2.0 %	0.0309616 ± 0.0003170	0.7979	EXP 150 of 150	18.2236064 ± 0.0176954	0.9746	EXP 150 of 150	0.0931364 ± 0.0156014	0.0015	EXP 150 of 150	3.6936708 ± 0.0151665	0.5590	EXP 150 of 150	84.210423 ± 0.021497	0.9987	EXP 150 of 150
16D07232	2.4 %	0.0358702 ± 0.0003268	0.7702	EXP 150 of 150	22.5441008 ± 0.0182031	0.9824	EXP 150 of 150	0.0804600 ± 0.0160730	0.0079	EXP 150 of 150	4.5403831 ± 0.0154822	0.6627	EXP 150 of 150	102.538979 ± 0.023722	0.9976	EXP 150 of 150
16D07233	2.8 %	0.0987783 ± 0.0005227	0.3239	EXP 150 of 150	65.5638745 ± 0.0201135	0.9974	EXP 150 of 150	0.2200788 ± 0.0161796	0.0285	EXP 150 of 150	13.0284491 ± 0.0160356	0.9620	EXP 150 of 150	292.255554 ± 0.028080	0.9954	EXP 150 of 150
16D07235	3.2 %	0.0832146 ± 0.0004390	0.4504	EXP 150 of 150	62.6202685 ± 0.0206521	0.9970	EXP 150 of 150	0.1239897 ± 0.0151336	0.0827	EXP 150 of 150	12.1270155 ± 0.0152082	0.9613	EXP 150 of 150	270.147145 ± 0.029455	0.9939	EXP 150 of 150
16D07236	3.6 %	0.1408186 ± 0.0005707	0.0725	EXP 150 of 150	100.5899722 ± 0.0231459	0.9985	EXP 150 of 150	0.3043638 ± 0.0169430	0.0452	EXP 150 of 150	19.5214944 ± 0.0182890	0.9789	EXP 149 of 150	438.820379 ± 0.039896	0.9988	EXP 150 of 150
16D07237	4.0 %	0.1790504 ± 0.0007121	0.0598	EXP 150 of 150	124.4814085 ± 0.0212036	0.9992	EXP 150 of 150	0.3407189 ± 0.0171936	0.0025	EXP 150 of 150	24.6315258 ± 0.0159661	0.9897	EXP 150 of 150	556.518453 ± 0.041671	0.9994	EXP 150 of 150
16D07239	4.5 %	0.1622317 ± 0.0006847	0.1220	EXP 150 of 150	127.0113862 ± 0.0250536	0.9989	EXP 150 of 150	0.3161666 ± 0.0162971	0.0100	EXP 150 of 150	25.9225521 ± 0.0168533	0.9898	EXP 150 of 150	580.003538 ± 0.036592	0.9996	EXP 150 of 150
16D07240	5.2 %	0.2126571 ± 0.0007221	0.0096	EXP 150 of 150	157.0832573 ± 0.0250146	0.9993	EXP 150 of 150	0.4534833 ± 0.0159997	0.0168	EXP 150 of 150	33.5593573 ± 0.0174920	0.9935	EXP 150 of 150	755.537655 ± 0.041105	0.9998	EXP 150 of 150
16D07241	6.1 %	0.3694445 ± 0.0010137	0.0777	EXP 150 of 150	264.1258755 ± 0.0303613	0.9996	EXP 150 of 150	0.7813114 ± 0.0168074	0.0337	EXP 149 of 150	59.5415701 ± 0.0180135	0.9979	EXP 150 of 150	1340.542578 ± 0.058285	0.9999	EXP 150 of 150
16D07243	7.3 %	0.6796479 ± 0.0012396	0.7776	EXP 149 of 150	335.9249022 ± 0.0321601	0.9997	EXP 150 of 150	1.1565949 ± 0.0157766	0.1506	EXP 150 of 150	84.8703323 ± 0.0216274	0.9985	EXP 150 of 150	1972.883058 ± 0.079035	0.9999	EXP 150 of 150
16D07244	8.5 %	0.4826479 ± 0.0011812	0.3701	EXP 150 of 150	278.6192338 ± 0.0318630	0.9996	EXP 150 of 150	1.0232449 ± 0.0173920	0.0740	EXP 150 of 150	77.6519826 ± 0.0214480	0.9982	EXP 150 of 150	1773.435628 ± 0.067101	0.9999	EXP 150 of 150
16D07245	9.7 %	0.3794314 ± 0.0009786	0.2808	EXP 150 of 150	171.9364978 ± 0.0269902	0.9993	EXP 150 of 150	0.7468442 ± 0.0165570	0.0258	EXP 150 of 150	56.6734745 ± 0.0174242	0.9978	EXP 150 of 150	1313.804627 ± 0.060277	0.9999	EXP 150 of 150
16D07247	11.0 %	0.2042915 ± 0.0007078	0.0813	EXP 150 of 150	74.5352504 ± 0.0220510	0.9975	EXP 150 of 150	0.3854385 ± 0.0182533	0.0018	EXP 150 of 150	27.8603124 ± 0.0179086	0.9900	EXP 150 of 150	654.142372 ± 0.041352	0.9996	EXP 150 of 150
16D07248	12.4 %	0.1169265 ± 0.0005811	0.0872	EXP 150 of 150	35.4944135 ± 0.0196392	0.9912	EXP 150 of 150	0.2732387 ± 0.0165447	0.0385	EXP 149 of 150	16.2570485 ± 0.0177776	0.9690	EXP 150 of 150	384.418637 ± 0.031996	0.9986	EXP 150 of 150
16D07249	14.0 %	0.1774172 ± 0.0005950	0.0083	EXP 150 of 150	52.5168659 ± 0.0220397	0.9950	EXP 150 of 150	0.3237211 ± 0.0167192	0.0367	EXP 150 of 150	19.4774284 ± 0.0193610	0.9753	EXP 150 of 150	467.570350 ± 0.035975	0.9992	EXP 150 of 150
16D07251	15.8 %	0.0682134 ± 0.0004174	0.3902	EXP 150 of 150	23.4821481 ± 0.0187107	0.9816	EXP 150 of 150	0.1260122 ± 0.0169230	0.0056	EXP 150 of 150	5.5431025 ± 0.0163228	0.7798	EXP 150 of 150	134.184313 ± 0.022991	0.9864	EXP 150 of 150
16D07252	18.0 %	0.0532234 ± 0.0003670	0.5673	EXP 150 of 150	18.4773611 ± 0.0211578	0.9631	EXP 150 of 150	0.1087049 ± 0.0168647	0.0014	EXP 150 of 150	3.8049038 ± 0.0165502	0.4834	EXP 150 of 150	93.664061 ± 0.023983	0.9961	EXP 150 of 150
16D07254	20.5 %	0.0391498 ± 0.0003091	0.7335	EXP 149 of 150	14.6402159 ± 0.0192499	0.9532	EXP 150 of 150	0.0883796 ± 0.0161666	0.0070	EXP 150 of 150	2.5129973 ± 0.0160044	0.2375	EXP 150 of 150	61.793679 ± 0.019370	0.9982	EXP 150 of 150
16D07255	22.5 %	0.0210112 ± 0.0002639	0.8235	EXP 150 of 150	7.0884717 ± 0.0177833	0.8103	EXP 150 of 150	0.0565966 ± 0.0168568	0.0028	EXP 150 of 150	1.1699292 ± 0.0149367	0.0087	EXP 150 of 150	28.868876 ± 0.017227	0.9992	EXP 150 of 150
16D07257	24.5 %	0.0240696 ± 0.0002748	0.7563	EXP 150 of 150	7.9859365 ± 0.0189118	0.8464	EXP 150 of 150	0.0425608 ± 0.0170323	0.0081	EXP 150 of 150	1.1575183 ± 0.0162505	0.0050	EXP 149 of 150	29.751890 ± 0.017426	0.9990	EXP 150 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
16D07229	1.8 %	Susan Schnur	15-OSU-07	0.00	0.00	26.92	Walvis Ridge\MV1203 (13-INT-04)	16D07228	01
16D07231	2.0 %	Susan Schnur	15-OSU-07	0.00	0.00	26.92	Walvis Ridge\MV1203 (13-INT-04)	16D07228	01
16D07232	2.4 %	Susan Schnur	15-OSU-07	0.00	0.00	26.92	Walvis Ridge\MV1203 (13-INT-04)	16D07228	01
16D07233	2.8 %	Susan Schnur	15-OSU-07	0.00	0.00	26.92	Walvis Ridge\MV1203 (13-INT-04)	16D07228	01
16D07235	3.2 %	Susan Schnur	15-OSU-07	0.00	0.00	26.92	Walvis Ridge\MV1203 (13-INT-04)	16D07228	01
16D07236	3.6 %	Susan Schnur	15-OSU-07	0.00	0.00	26.92	Walvis Ridge\MV1203 (13-INT-04)	16D07228	01
16D07237	4.0 %	Susan Schnur	15-OSU-07	0.00	0.00	26.92	Walvis Ridge\MV1203 (13-INT-04)	16D07228	01
16D07239	4.5 %	Susan Schnur	15-OSU-07	0.00	0.00	26.92	Walvis Ridge\MV1203 (13-INT-04)	16D07228	01
16D07240	5.2 %	Susan Schnur	15-OSU-07	0.00	0.00	26.92	Walvis Ridge\MV1203 (13-INT-04)	16D07228	01
16D07241	6.1 %	Susan Schnur	15-OSU-07	0.00	0.00	26.92	Walvis Ridge\MV1203 (13-INT-04)	16D07228	01
16D07243	7.3 %	Susan Schnur	15-OSU-07	0.00	0.00	26.92	Walvis Ridge\MV1203 (13-INT-04)	16D07228	01
16D07244	8.5 %	Susan Schnur	15-OSU-07	0.00	0.00	26.92	Walvis Ridge\MV1203 (13-INT-04)	16D07228	01
16D07245	9.7 %	Susan Schnur	15-OSU-07	0.00	0.00	26.92	Walvis Ridge\MV1203 (13-INT-04)	16D07228	01
16D07247	11.0 %	Susan Schnur	15-OSU-07	0.00	0.00	26.92	Walvis Ridge\MV1203 (13-INT-04)	16D07228	01
16D07248	12.4 %	Susan Schnur	15-OSU-07	0.00	0.00	26.92	Walvis Ridge\MV1203 (13-INT-04)	16D07228	01
16D07249	14.0 %	Susan Schnur	15-OSU-07	0.00	0.00	26.92	Walvis Ridge\MV1203 (13-INT-04)	16D07228	01
16D07251	15.8 %	Susan Schnur	15-OSU-07	0.00	0.00	26.92	Walvis Ridge\MV1203 (13-INT-04)	16D07228	01
16D07252	18.0 %	Susan Schnur	15-OSU-07	0.00	0.00	26.92	Walvis Ridge\MV1203 (13-INT-04)	16D07228	01
16D07254	20.5 %	Susan Schnur	15-OSU-07	0.00	0.00	26.92	Walvis Ridge\MV1203 (13-INT-04)	16D07228	01
16D07255	22.5 %	Susan Schnur	15-OSU-07	0.00	0.00	26.92	Walvis Ridge\MV1203 (13-INT-04)	16D07228	01
16D07257	24.5 %	Susan Schnur	15-OSU-07	0.00	0.00	26.92	Walvis Ridge\MV1203 (13-INT-04)	16D07228	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
16D07229	1.8 %	MV1203-D09-01	Plagioclase	Hosea Guyot	FCT-NM (7A15-15)	28.201	0.082	Kuiper et al (2008)	9.17382	0.155	0.00171329	0.155	304.729	0.137	0.9924187	0.067	1	4.8E-14	21	FEB	2016	14	54	1
16D07231	2.0 %	MV1203-D09-01	Plagioclase	Hosea Guyot	FCT-NM (7A15-15)	28.201	0.082	Kuiper et al (2008)	9.17382	0.155	0.00171329	0.155	304.729	0.137	0.9924187	0.067	1	4.8E-14	21	FEB	2016	15	11	1
16D07232	2.4 %	MV1203-D09-01	Plagioclase	Hosea Guyot	FCT-NM (7A15-15)	28.201	0.082	Kuiper et al (2008)	9.17382	0.155	0.00171329	0.155	304.729	0.137	0.9924187	0.067	1	4.8E-14	21	FEB	2016	15	19	1
16D07233	2.8 %	MV1203-D09-01	Plagioclase	Hosea Guyot	FCT-NM (7A15-15)	28.201	0.082	Kuiper et al (2008)	9.17382	0.155	0.00171329	0.155	304.729	0.137	0.9924187	0.067	1	4.8E-14	21	FEB	2016	15	28	1
16D07235	3.2 %	MV1203-D09-01	Plagioclase	Hosea Guyot	FCT-NM (7A15-15)	28.201	0.082	Kuiper et al (2008)	9.17382	0.155	0.00171329	0.155	304.729	0.137	0.9924187	0.067	1	4.8E-14	21	FEB	2016	15	45	1
16D07236	3.6 %	MV1203-D09-01	Plagioclase	Hosea Guyot	FCT-NM (7A15-15)	28.201	0.082	Kuiper et al (2008)	9.17382	0.155	0.00171329	0.155	304.729	0.137	0.9924187	0.067	1	4.8E-14	21	FEB	2016	15	53	1
16D07237	4.0 %	MV1203-D09-01	Plagioclase	Hosea Guyot	FCT-NM (7A15-15)	28.201	0.082	Kuiper et al (2008)	9.17382	0.155	0.00171329	0.155	304.729	0.137	0.9924187	0.067	1	4.8E-14	21	FEB	2016	16	2	1
16D07239	4.5 %	MV1203-D09-01	Plagioclase	Hosea Guyot	FCT-NM (7A15-15)	28.201	0.082	Kuiper et al (2008)	9.17382	0.155	0.00171329	0.155	304.729	0.137	0.9924187	0.067	1	4.8E-14	21	FEB	2016	16	19	1
16D07240	5.2 %	MV1203-D09-01	Plagioclase	Hosea Guyot	FCT-NM (7A15-15)	28.201	0.082	Kuiper et al (2008)	9.17382	0.155	0.00171329	0.155	304.729	0.137	0.9924187	0.067	1	4.8E-14	21	FEB	2016	16	27	1
16D07241	6.1 %	MV1203-D09-01	Plagioclase	Hosea Guyot	FCT-NM (7A15-15)	28.201	0.082	Kuiper et al (2008)	9.17382	0.155	0.00171329	0.155	304.729	0.137	0.9924187	0.067	1	4.8E-14	21	FEB	2016	16	35	1
16D07243	7.3 %	MV1203-D09-01	Plagioclase	Hosea Guyot	FCT-NM (7A15-15)	28.201	0.082	Kuiper et al (2008)	9.17382	0.155	0.00171329	0.155	304.729	0.137	0.9924187	0.067	1	4.8E-14	21	FEB	2016	16	52	1
16D07244	8.5 %	MV1203-D09-01	Plagioclase	Hosea Guyot	FCT-NM (7A15-15)	28.201	0.082	Kuiper et al (2008)	9.17382	0.155	0.00171329	0.155	304.729	0.137	0.9924187	0.067	1	4.8E-14	21	FEB	2016	17	1	1
16D07245	9.7 %	MV1203-D09-01	Plagioclase	Hosea Guyot	FCT-NM (7A15-15)	28.201	0.082	Kuiper et al (2008)	9.17382	0.155	0.00171329	0.155	304.729	0.137	0.9924187	0.067	1	4.8E-14	21	FEB	2016	17	9	1
16D07247	11.0 %	MV1203-D09-01	Plagioclase	Hosea Guyot	FCT-NM (7A15-15)	28.201	0.082	Kuiper et al (2008)	9.17382	0.155	0.00171329	0.155	304.729	0.137	0.9924187	0.067	1	4.8E-14	21	FEB	2016	17	26	1
16D07248	12.4 %	MV1203-D09-01	Plagioclase	Hosea Guyot	FCT-NM (7A15-15)	28.201	0.082	Kuiper et al (2008)	9.17382	0.155	0.00171329	0.155	304.729	0.137	0.9924187	0.067	1	4.8E-14	21	FEB	2016	17	35	1
16D07249	14.0 %	MV1203-D09-01	Plagioclase	Hosea Guyot	FCT-NM (7A15-15)	28.201	0.082	Kuiper et al (2008)	9.17382	0.155	0.00171329	0.155	304.729	0.137	0.9924187	0.067	1	4.8E-14	21	FEB	2016	17	43	1
16D07251	15.8 %	MV1203-D09-01	Plagioclase	Hosea Guyot	FCT-NM (7A15-15)	28.201	0.082	Kuiper et al (2008)	9.17382	0.155	0.00171329	0.155	304.729	0.137	0.9924187	0.067	1	4.8E-14	21	FEB	2016	18	0	1
16D07252	18.0 %	MV1203-D09-01	Plagioclase	Hosea Guyot	FCT-NM (7A15-15)	28.201	0.082	Kuiper et al (2008)	9.17382	0.155	0.00171329	0.155	304.729	0.137	0.9924187	0.067	1	4.8E-14	21	FEB	2016	18	9	1
16D07254	20.5 %	MV1203-D09-01	Plagioclase	Hosea Guyot	FCT-NM (7A15-15)	28.201	0.082	Kuiper et al (2008)	9.17382	0.155	0.00171329	0.155	304.729	0.137	0.9924187	0.067	1	4.8E-14	21	FEB	2016	18	26	1
16D07255	22.5 %	MV1203-D09-01	Plagioclase	Hosea Guyot	FCT-NM (7A15-15)	28.201	0.082	Kuiper et al (2008)	9.17382	0.155	0.00171329	0.155	304.729	0.137	0.9924187	0.067	1	4.8E-14	21	FEB	2016	18	34	1
16D07257	24.5 %	MV1203-D09-01	Plagioclase	Hosea Guyot	FCT-NM (7A15-15)	28.201	0.082	Kuiper et al (2008)	9.17382	0.155	0.00171329	0.155	304.729	0.137	0.9924187	0.067	1	4.8E-14	21	FEB	2016	18	51	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
16D07229	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
16D07231	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
16D07232	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
16D07233	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
16D07235	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
16D07236	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
16D07237	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
16D07239	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
16D07240	5.2 %	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
16D07241	6.1 %	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
16D07243	7.3 %	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
16D07244	8.5 %	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
16D07245	9.7 %	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
16D07247	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
16D07248	12.4 %	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
16D07249	14.0 %	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
16D07251	15.8 %	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
16D07252	18.0 %	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
16D07254	20.5 %	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
16D07255	22.5 %	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
16D07257	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

16D07228.AGE >>> MV1203-D09-01 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
66.75 ± 0.21
TOTAL FUSION
66.66 ± 0.21
NORMAL ISOCHRON
66.74 ± 0.26
INVERSE ISOCHRON
66.77 ± 0.26

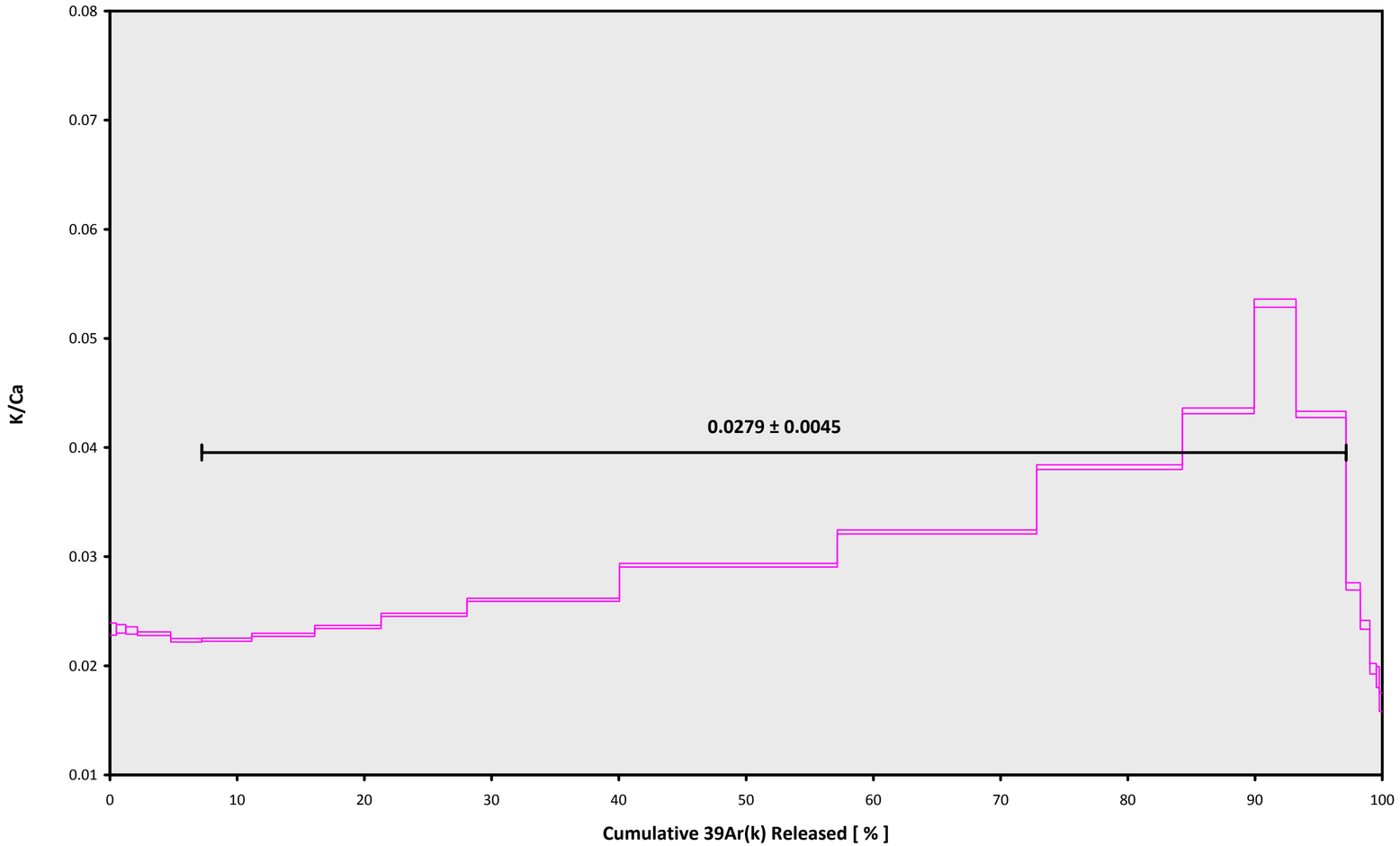
MSWD (PROBABILITY)
1.23 (26%)

Sample Info

Plagioclase
Hosea Guyot
Susan Schnur

IRR = 15-OSU-07 (7A15-15)
J = 0.00171329 ± 0.00000266

16D07228.AGE >>> MV1203-D09-01 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

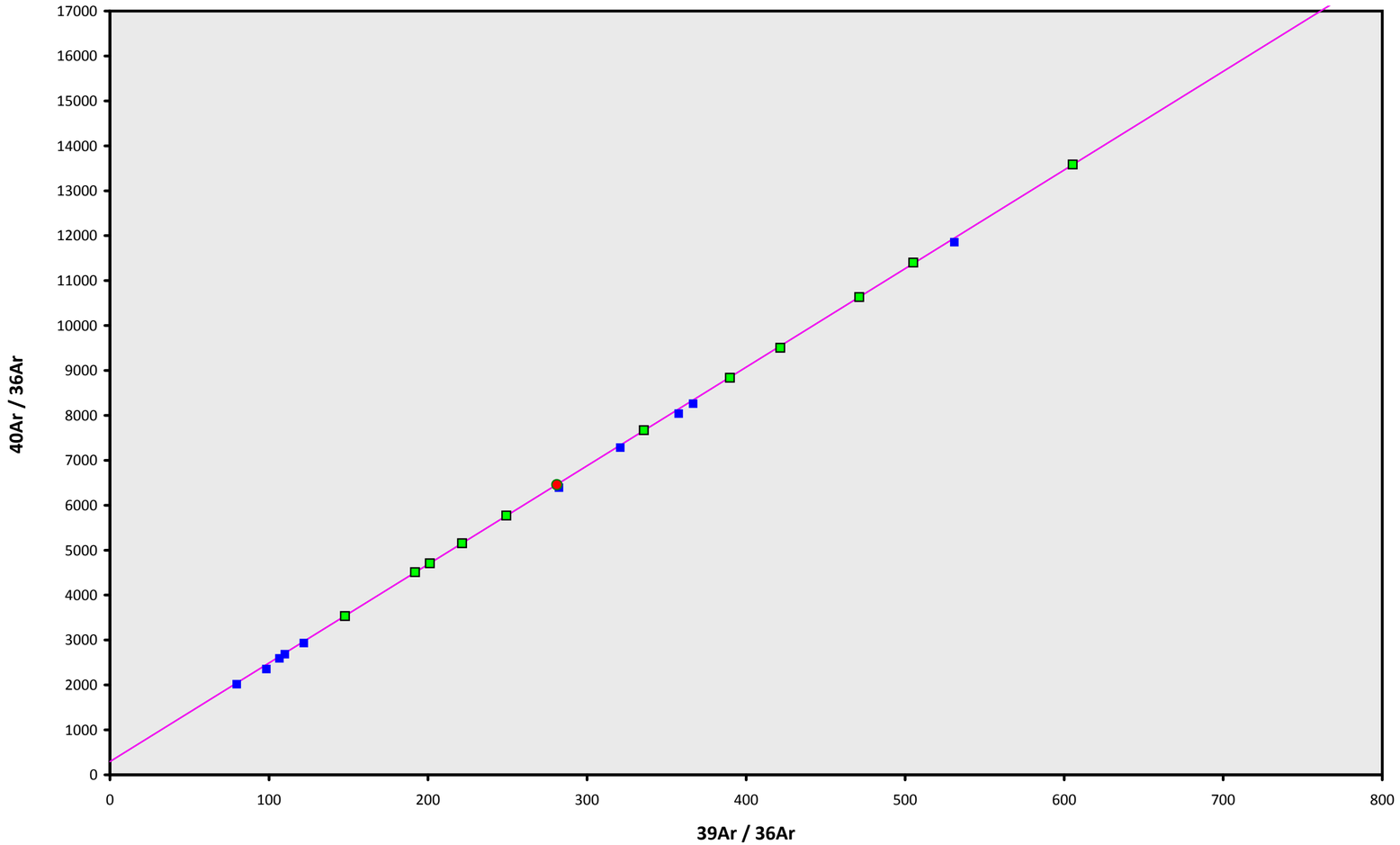
WEIGHTED PLATEAU
66.75 ± 0.21
TOTAL FUSION
66.66 ± 0.21
NORMAL ISOCHRON
66.74 ± 0.26
INVERSE ISOCHRON
66.77 ± 0.26

Sample Info

Plagioclase
Hosea Guyot
Susan Schnur

IRR = 15-OSU-07 (7A15-15)
J = 0.00171329 ± 0.00000266

16D07228.AGE >>> MV1203-D09-01 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
66.75 ± 0.21
TOTAL FUSION
66.66 ± 0.21
NORMAL ISOCHRON
66.74 ± 0.26
INVERSE ISOCHRON
66.77 ± 0.26

MSWD (PROBABILITY)
1.38 (19%)

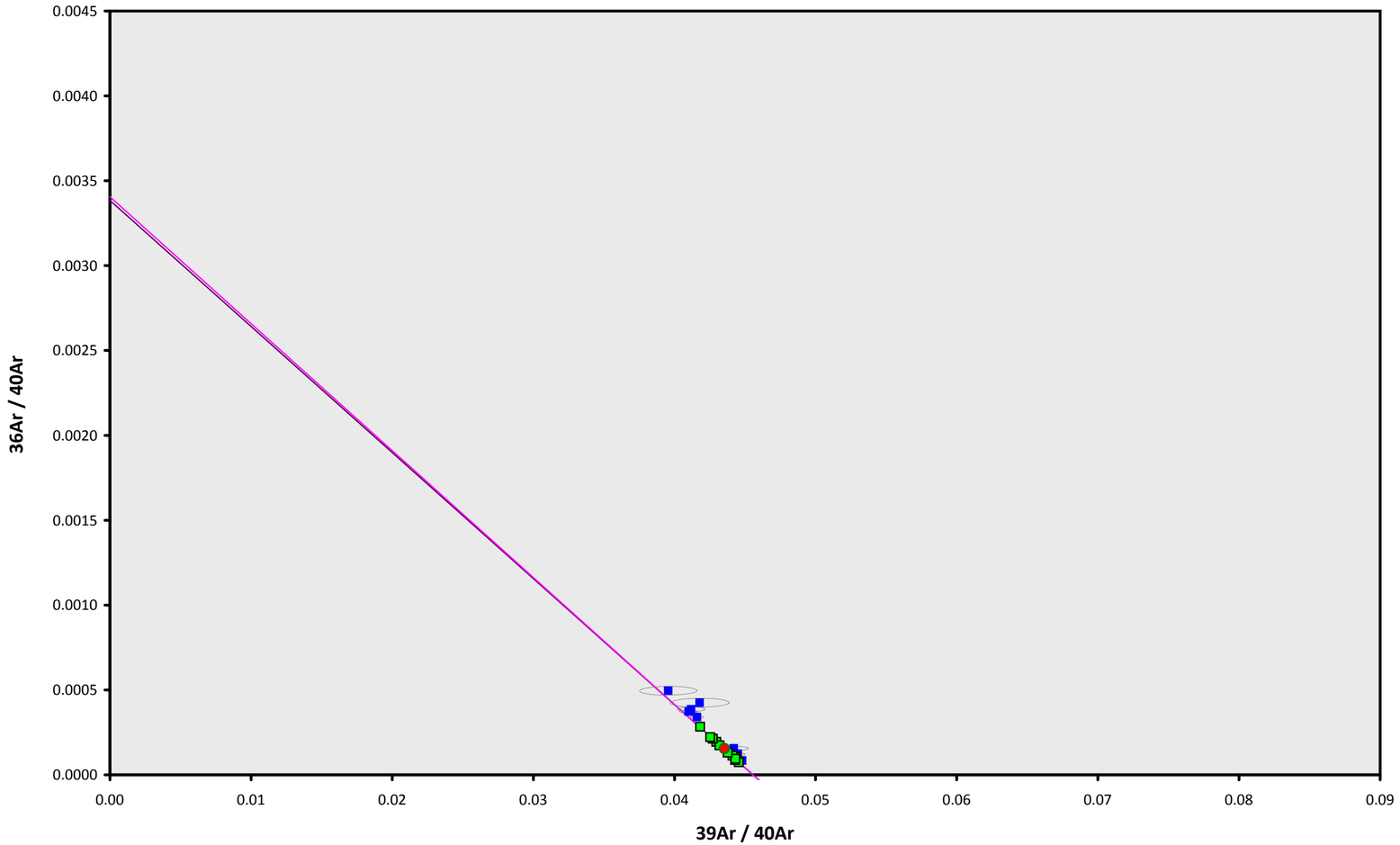
40AR/36AR INTERCEPT
295.5 ± 14.4

Sample Info

Plagioclase
Hosea Guyot
Susan Schnur

IRR = 15-OSU-07 (7A15-15)
J = 0.00171329 ± 0.00000266

16D07228.AGE >>> MV1203-D09-01 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
66.75 ± 0.21
TOTAL FUSION
66.66 ± 0.21
NORMAL ISOCHRON
66.74 ± 0.26
INVERSE ISOCHRON
66.77 ± 0.26

MSWD (PROBABILITY)
1.35 (20%)

SPREADING FACTOR
6.0%

40AR/36AR INTERCEPT
293.6 ± 14.3

Sample Info

Plagioclase
Hosea Guyot
Susan Schnur

IRR = 15-OSU-07 (7A15-15)
J = 0.00171329 ± 0.00000266