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
16D06676	1.8 %	✓	0.0160932	2.960	43.6079	0.326	0.0075754	352.348	2.48681	3.214	58.0500	0.098	23.08046 ± 1.50652	68.71 ± 4.40	97.70	0.82	0.0242 ± 0.0016
16D06678	2.0 %	✓	0.0259653	1.888	71.9609	0.291	0.0339543	80.976	4.07568	1.974	93.4898	0.061	22.71244 ± 0.91094	67.64 ± 2.66	97.83	1.34	0.0241 ± 0.0010
16D06679	2.4 %	✓	0.0397003	1.406	100.2153	0.280	0.0673004	40.565	5.56209	1.450	127.7907	0.046	22.55475 ± 0.66541	67.17 ± 1.95	96.97	1.83	0.0236 ± 0.0007
16D06680	2.8 %	✓	0.0517269	1.129	158.1825	0.271	0.1093193	24.560	8.40239	0.956	191.0159	0.031	22.68051 ± 0.44173	67.54 ± 1.29	98.50	2.76	0.0226 ± 0.0005
16D06682	3.2 %	✓	0.0855412	0.791	282.0580	0.267	0.1850020	14.070	14.60051	0.554	328.1978	0.019	22.55809 ± 0.25535	67.18 ± 0.75	99.04	4.80	0.0220 ± 0.0003
16D06683	3.6 %	✓	0.0894957	0.760	298.3557	0.267	0.1909533	14.123	15.01715	0.539	337.6224	0.018	22.58419 ± 0.24868	67.26 ± 0.73	99.10	4.94	0.0214 ± 0.0003
16D06684	4.0 %	✓	0.0872313	0.774	304.4322	0.267	0.1828108	14.963	15.10429	0.536	337.2877	0.019	22.51284 ± 0.24671	67.05 ± 0.72	99.44	4.97	0.0210 ± 0.0003
16D06686	4.5 %	✓	0.1249457	0.568	368.1120	0.267	0.2460693	10.998	17.99132	0.452	408.4672	0.015	22.56968 ± 0.20898	67.22 ± 0.61	98.04	5.91	0.0207 ± 0.0002
16D06687	5.2 %	✓	0.1207450	0.656	425.5468	0.266	0.2653867	10.335	20.59569	0.396	460.5764	0.014	22.56753 ± 0.18339	67.21 ± 0.54	99.51	6.77	0.0205 ± 0.0002
16D06688	6.1 %	✓	0.1618221	0.572	563.4541	0.266	0.3608144	7.639	27.09635	0.304	606.8729	0.010	22.58192 ± 0.14160	67.25 ± 0.41	99.41	8.90	0.0204 ± 0.0002
16D06690	7.3 %	✓	0.2343536	0.474	794.7024	0.266	0.5106694	5.417	38.31254	0.220	858.5459	0.008	22.54591 ± 0.10308	67.15 ± 0.30	99.20	12.59	0.0204 ± 0.0001
16D06691	8.5 %	✓	0.2253434	0.491	727.6020	0.266	0.4358125	6.382	35.44011	0.239	796.9905	0.009	22.53382 ± 0.11158	67.11 ± 0.33	98.81	11.65	0.0207 ± 0.0001
16D06692	9.7 %	✓	0.2145159	0.483	575.4885	0.266	0.3982687	6.889	28.36097	0.291	648.0290	0.010	22.51591 ± 0.13526	67.06 ± 0.40	97.19	9.32	0.0209 ± 0.0002
16D06694	11.0 %	✓	0.2067854	0.469	408.3991	0.267	0.2700496	10.378	20.40635	0.401	485.0919	0.013	22.65463 ± 0.18676	67.47 ± 0.55	94.01	6.71	0.0212 ± 0.0002
16D06695	12.4 %		0.0918925	0.743	218.1285	0.269	0.1497996	18.211	10.63475	0.755	250.4009	0.025	22.92006 ± 0.35373	68.24 ± 1.03	95.99	3.50	0.0207 ± 0.0003
16D06696	14.0 %		0.0747273	0.880	176.8701	0.271	0.1250416	22.007	8.38166	0.960	198.7119	0.030	23.05895 ± 0.45221	68.65 ± 1.32	95.88	2.75	0.0201 ± 0.0004
16D06698	15.8 %		0.0873380	0.768	191.8604	0.270	0.0962675	28.396	9.04678	0.892	216.5794	0.027	23.08300 ± 0.42066	68.72 ± 1.23	95.04	2.97	0.0200 ± 0.0004
16D06699	18.0 %		0.0993308	0.675	226.9232	0.269	0.1080706	26.026	9.84302	0.819	235.5754	0.025	23.12174 ± 0.38718	68.83 ± 1.13	95.10	3.23	0.0184 ± 0.0003
16D06701	20.5 %		0.0683780	0.916	160.1316	0.271	0.0739051	37.193	6.07394	1.328	146.7907	0.040	23.32701 ± 0.63431	69.43 ± 1.85	94.80	1.99	0.0160 ± 0.0004
16D06702	22.5 %		0.0427756	1.301	114.5206	0.278	0.0525647	51.896	4.15599	1.929	97.8273	0.058	23.09198 ± 0.91199	68.74 ± 2.66	96.28	1.36	0.0153 ± 0.0006
16D06704	24.5 %		0.0310533	1.642	76.8872	0.288	0.0770209	35.515	2.72436	2.940	63.2481	0.089	22.49392 ± 1.35398	67.00 ± 3.96	95.04	0.89	0.0149 ± 0.0009
		Σ	2.1797605	0.157	6287.4388	0.071	3.9315054	3.187	304.31274	0.122	6947.1619	0.004					

Information on Analysis and Constants Used in Calculations

Project = **MV1203 (13-INT-04)**
Sample = **MV1203-D13-09**
Material = **Plagioclase**
Location = **Daggoo Guyot**
Region = **Walvis Ridge**
Analyst = **Susan Schnur**
Irradiation = **15-OSU-07 (7A20-15)**
Position = **X: 0 | Y: 0 | Z/H: 35.96 mm**
FCT-NM Age = **28.201 ± 0.023 Ma**
FCT-NM Reference = **Kuiper et al (2008)**
FCT-NM 40Ar/39Ar Ratio = **9.36697 ± 0.01424**
FCT-NM J-value = **0.00167796 ± 0.00000255**
Air Shot 40Ar/36Ar = **304.6060 ± 0.4204**
Air Shot MDF = **0.99251675 ± 0.00066599 (LIN)**
Experiment Type = **Incremental Heating**
Extraction Method = **Bulk Laser Heating**
Heating = **77 sec**
Isolation = **3.00 min**
Instrument = **ARGUS-VI-D**
Preferred Age = **Plateau Age**
Age Classification = **Eruption Age**
IGSN = **IESS10065**
Rock Class = **Igneous>Volcanic>Mafic**
Lithology = **Basalt**
Lat-Lon = **30°27.6'S - 0°10.2'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		22.55765 ± 0.04896	**67.18 ± 0.25**	0.22	83.31	0.0208 ± 0.0003
Overestimated Error		± 0.22%	**± 0.37%**	100%	14	
			Full External Error ± 1.52	1.78	2σ Confidence Limit	
			Analytical Error ± 0.14	1.0000	Error Magnification	
Total Fusion Age		22.65065 ± 0.05675	**67.45 ± 0.26**		21	0.0205 ± 0.0001
		± 0.25%	**± 0.39%**			
			Full External Error ± 1.53			
			Analytical Error ± 0.17			
Normal Isochron	**318.75 ± 42.45**	22.52141 ± 0.07083	**67.08 ± 0.29**	0.22	83.31	
Overestimated Error	**± 13.32%**	± 0.31%	**± 0.43%**	100%	14	
			Full External Error ± 1.53	1.82	2σ Confidence Limit	
			Analytical Error ± 0.21	1.0000	Error Magnification	
				1	Number of Iterations	
				0.0000386741	Convergence	
Inverse Isochron	**311.22 ± 42.17**	22.53905 ± 0.07058	**67.13 ± 0.29**	0.20	83.31	
Overestimated Error	**± 13.55%**	± 0.31%	**± 0.43%**	100%	14	
			Full External Error ± 1.53	1.82	2σ Confidence Limit	
			Analytical Error ± 0.21	1.0000	Error Magnification	
Notes				3	Number of Iterations	
Good plateau				0.0000000816	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
16D06676	1.8 %	✓	0.0044804	43.6079	0.0000000	2.45734	56.7166	68.71 ± 4.40	97.70	0.82	0.0242 ± 0.0016
16D06678	2.0 %	✓	0.0068021	71.9609	0.0000000	4.02706	91.4643	67.64 ± 2.66	97.83	1.34	0.0241 ± 0.0010
16D06679	2.4 %	✓	0.0130130	100.2153	0.0000000	5.49438	123.9244	67.17 ± 1.95	96.97	1.83	0.0236 ± 0.0007
16D06680	2.8 %	✓	0.0096029	158.1825	0.0000000	8.29552	188.1465	67.54 ± 1.29	98.50	2.76	0.0226 ± 0.0005
16D06682	3.2 %	✓	0.0104291	282.0580	0.0000000	14.40995	325.0609	67.18 ± 0.75	99.04	4.80	0.0220 ± 0.0003
16D06683	3.6 %	✓	0.0100436	298.3557	0.0000000	14.81558	334.5979	67.26 ± 0.73	99.10	4.94	0.0214 ± 0.0003
16D06684	4.0 %	✓	0.0061610	304.4322	0.0000000	14.89861	335.4101	67.05 ± 0.72	99.44	4.97	0.0210 ± 0.0003
16D06686	4.5 %	✓	0.0269174	368.1120	0.0011465	17.74262	400.4453	67.22 ± 0.61	98.04	5.91	0.0207 ± 0.0002
16D06687	5.2 %	✓	0.0074219	425.5468	0.0000000	20.30819	458.3056	67.21 ± 0.54	99.51	6.77	0.0205 ± 0.0002
16D06688	6.1 %	✓	0.0117743	563.4541	0.0000000	26.71568	603.2915	67.25 ± 0.41	99.41	8.90	0.0204 ± 0.0002
16D06690	7.3 %	✓	0.0227244	794.7024	0.0000000	37.77564	851.6864	67.15 ± 0.30	99.20	12.59	0.0204 ± 0.0001
16D06691	8.5 %	✓	0.0315830	727.6020	0.0000000	34.94854	787.5241	67.11 ± 0.33	98.81	11.65	0.0207 ± 0.0001
16D06692	9.7 %	✓	0.0612624	575.4885	0.0089655	27.97217	629.8190	67.06 ± 0.40	97.19	9.32	0.0209 ± 0.0002
16D06694	11.0 %	✓	0.0980287	408.3991	0.0000000	20.13043	456.0475	67.47 ± 0.55	94.01	6.71	0.0212 ± 0.0002
16D06695	12.4 %		0.0338047	218.1285	0.0016462	10.48739	240.3715	68.24 ± 1.03	95.99	3.50	0.0207 ± 0.0003
16D06696	14.0 %		0.0276261	176.8701	0.0077770	8.26216	190.5168	68.65 ± 1.32	95.88	2.75	0.0201 ± 0.0004
16D06698	15.8 %		0.0362456	191.8604	0.0000000	8.91716	205.8347	68.72 ± 1.23	95.04	2.97	0.0200 ± 0.0004
16D06699	18.0 %		0.0389012	226.9232	0.0000000	9.68971	224.0431	68.83 ± 1.13	95.10	3.23	0.0184 ± 0.0003
16D06701	20.5 %		0.0257349	160.1316	0.0000000	5.96575	139.1632	69.43 ± 1.85	94.80	1.99	0.0160 ± 0.0004
16D06702	22.5 %		0.0122787	114.5206	0.0000000	4.07862	94.1834	68.74 ± 2.66	96.28	1.36	0.0153 ± 0.0006
16D06704	24.5 %		0.0105746	76.8872	0.0373721	2.67242	60.1131	67.00 ± 3.96	95.04	0.89	0.0149 ± 0.0009
		Σ	0.5054100	6287.4388	0.0569073	300.06494	6796.6661				

Information on Analysis

Project = **MV1203 (13-INT-04)**
Sample = **MV1203-D13-09**
Material = **Plagioclase**
Location = **Daggoo Guyot**
Region = **Walvis Ridge**
Analyst = **Susan Schnur**
Irradiation = **15-OSU-07 (7A20-15)**
J = **0.00167796 ± 0.00000255**
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	22.55765	± 0.04896	**67.18**	**± 0.25**	0.22	83.31	0.0208 ± 0.0003
Overestimated Error		± 0.22%		**± 0.37%**	100%	14	
			Full External Error	± 1.52	1.78	2σ Confidence Limit	
			Analytical Error	± 0.14	1.0000	Error Magnification	
Total Fusion Age	22.65065	± 0.05675	**67.45**	**± 0.26**		21	0.0205 ± 0.0001
		± 0.25%		**± 0.39%**			
			Full External Error	± 1.53			
			Analytical Error	± 0.17			

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
16D06676	1.8 %	✓	548.46 ± 122.39	12954.28 ± 2765.26	0.9565
16D06678	2.0 %	✓	592.03 ± 89.24	13741.98 ± 1997.45	0.9642
16D06679	2.4 %	✓	422.22 ± 38.69	9818.64 ± 852.35	0.9472
16D06680	2.8 %	✓	863.86 ± 108.99	19888.24 ± 2479.59	0.9881
16D06682	3.2 %	✓	1381.70 ± 189.99	31464.03 ± 4312.06	0.9967
16D06683	3.6 %	✓	1475.13 ± 212.73	33610.04 ± 4833.06	0.9971
16D06684	4.0 %	✓	2418.21 ± 565.30	54736.23 ± 12781.80	0.9989
16D06686	4.5 %	✓	659.15 ± 38.21	15172.34 ± 868.41	0.9874
16D06687	5.2 %	✓	2736.25 ± 637.73	62045.81 ± 14452.17	0.9994
16D06688	6.1 %	✓	2268.99 ± 398.47	51533.67 ± 9044.46	0.9994
16D06690	7.3 %	✓	1662.34 ± 188.12	37774.45 ± 4271.33	0.9992
16D06691	8.5 %	✓	1106.56 ± 88.01	25230.57 ± 2003.04	0.9981
16D06692	9.7 %	✓	456.60 ± 17.17	10576.17 ± 392.85	0.9876
16D06694	11.0 %	✓	205.35 ± 4.61	4947.68 ± 103.50	0.9320
16D06695	12.4 %		310.23 ± 13.79	7406.10 ± 309.10	0.9386
16D06696	14.0 %		299.07 ± 15.71	7191.77 ± 350.87	0.9286
16D06698	15.8 %		246.02 ± 10.36	5974.40 ± 227.09	0.9027
16D06699	18.0 %		249.09 ± 9.83	6054.78 ± 216.76	0.9068
16D06701	20.5 %		231.82 ± 13.12	5703.06 ± 283.63	0.8784
16D06702	22.5 %		332.17 ± 33.23	7965.94 ± 732.76	0.9194
16D06704	24.5 %		252.72 ± 28.87	5980.19 ± 581.56	0.8511

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	**318.75 ± 42.45**	22.52141 ± 0.07083	**67.08 ± 0.29**	0.22
Overestimated Error	**± 13.32%**	± 0.31%	**± 0.43%**	100%
			Full External Error ± 1.53	
			Analytical Error ± 0.21	

Statistics				
	2σ Confidence Limit	1.82	Convergence	0.000038674118
	Error Magnification	1.0000	Number of Iterations	1
	Number of Data Points	14	Calculated Line	Weighted York-2

Inverse Isochron			39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
16D06676	1.8 %	✓	0.0423384 ± 0.0027554	0.00007719 ± 0.00001648	0.0003
16D06678	2.0 %	✓	0.0430820 ± 0.0017224	0.00007277 ± 0.00001058	0.0003
16D06679	2.4 %	✓	0.0430022 ± 0.0012633	0.00010185 ± 0.00000884	0.0003
16D06680	2.8 %	✓	0.0434356 ± 0.0008420	0.00005028 ± 0.00000627	0.0002
16D06682	3.2 %	✓	0.0439137 ± 0.0004938	0.00003178 ± 0.00000436	0.0001
16D06683	3.6 %	✓	0.0438895 ± 0.0004800	0.00002975 ± 0.00000428	0.0001
16D06684	4.0 %	✓	0.0441793 ± 0.0004809	0.00001827 ± 0.00000427	0.0001
16D06686	4.5 %	✓	0.0434443 ± 0.0003992	0.00006591 ± 0.00000377	0.0002
16D06687	5.2 %	✓	0.0441004 ± 0.0003550	0.00001612 ± 0.00000375	0.0000
16D06688	6.1 %	✓	0.0440293 ± 0.0002725	0.00001940 ± 0.00000341	0.0000
16D06690	7.3 %	✓	0.0440070 ± 0.0001973	0.00002647 ± 0.00000299	0.0001
16D06691	8.5 %	✓	0.0438580 ± 0.0002132	0.00003963 ± 0.00000315	0.0001
16D06692	9.7 %	✓	0.0431721 ± 0.0002552	0.00009455 ± 0.00000351	0.0002
16D06694	11.0 %	✓	0.0415048 ± 0.0003377	0.00020211 ± 0.00000423	0.0004
16D06695	12.4 %		0.0418891 ± 0.0006424	0.00013502 ± 0.00000564	0.0004
16D06696	14.0 %		0.0415852 ± 0.0008108	0.00013905 ± 0.00000678	0.0004
16D06698	15.8 %		0.0411792 ± 0.0007460	0.00016738 ± 0.00000636	0.0004
16D06699	18.0 %		0.0411386 ± 0.0006847	0.00016516 ± 0.00000591	0.0004
16D06701	20.5 %		0.0406475 ± 0.0010997	0.00017534 ± 0.00000872	0.0005
16D06702	22.5 %		0.0416987 ± 0.0016401	0.00012553 ± 0.00001155	0.0004
16D06704	24.5 %		0.0422597 ± 0.0025347	0.00016722 ± 0.00001626	0.0005

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	**311.22 ± 42.17**	22.53905 ± 0.07058	**67.13 ± 0.29**	0.20
Overestimated Error	**± 13.55%**	± 0.31%	**± 0.43%**	100%
			Full External Error ± 1.53	
			Analytical Error ± 0.21	

Statistics				
	2σ Confidence Limit	1.82	Convergence	0.0000000816
	Error Magnification	1.0000	Number of Iterations	3
	Number of Data Points	14	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
16D06676	1.8 %	✓	0.0044804	10.67	0.0000000	0.00	0.0116128	0.36	0.0000000	0.00	43.6079	0.33	0.0008374	10.67	0.0000000	0.00	0.0295643	3.26	0.0031310	12.82	0.0000000	0.00	2.45734	3.25	0.0294615	1.36	56.7166	0.27	1.32396	10.67	0.0000000	0.00	0.0093944	4.20
16D06678	2.0 %	✓	0.0068021	7.27	0.0000000	0.00	0.0191632	0.33	0.0000000	0.00	71.9609	0.29	0.0012713	7.27	0.0000000	0.00	0.0484496	2.00	0.0051668	12.82	0.0000000	0.00	4.02706	2.00	0.0486168	1.35	91.4643	0.17	2.01002	7.27	0.0000000	0.00	0.0153954	3.33
16D06679	2.4 %	✓	0.0130130	4.34	0.0000000	0.00	0.0266873	0.32	0.0000000	0.00	100.2153	0.28	0.0024321	4.34	0.0000000	0.00	0.0661029	1.48	0.0071955	12.82	0.0000000	0.00	5.49438	1.47	0.0677055	1.35	123.9244	0.14	3.84533	4.34	0.0000000	0.00	0.0210050	3.04
16D06680	2.8 %	✓	0.0096029	6.23	0.0000000	0.00	0.0421240	0.31	0.0000000	0.00	158.1825	0.27	0.0017948	6.23	0.0000000	0.00	0.0998034	0.98	0.0113575	12.82	0.0000000	0.00	8.29552	0.97	0.1068681	1.35	188.1465	0.10	2.83765	6.23	0.0000000	0.00	0.0317138	2.83
16D06682	3.2 %	✓	0.0104291	6.85	0.0000000	0.00	0.0751121	0.31	0.0000000	0.00	282.0580	0.27	0.0019492	6.85	0.0000000	0.00	0.1733661	0.58	0.0202518	12.82	0.0000000	0.00	14.40995	0.56	0.1905584	1.35	325.0609	0.07	3.08181	6.85	0.0000000	0.00	0.0550892	2.72
16D06683	3.6 %	✓	0.0100436	7.19	0.0000000	0.00	0.0794521	0.31	0.0000000	0.00	298.3557	0.27	0.0018771	7.19	0.0000000	0.00	0.1782463	0.57	0.0214219	12.82	0.0000000	0.00	14.81558	0.55	0.2015691	1.35	334.5979	0.07	2.96788	7.19	0.0000000	0.00	0.0566400	2.72
16D06684	4.0 %	✓	0.0061610	11.68	0.0000000	0.00	0.0810703	0.31	0.0000000	0.00	304.4322	0.27	0.0011515	11.68	0.0000000	0.00	0.1792452	0.57	0.0218582	12.82	0.0000000	0.00	14.89861	0.54	0.2056744	1.35	335.4101	0.07	1.82058	11.68	0.0000000	0.00	0.0569574	2.72
16D06686	4.5 %	✓	0.0269174	2.86	0.0000000	0.00	0.0980282	0.31	0.0000001	######	368.1120	0.27	0.0050309	2.86	0.0000000	0.00	0.2134615	0.49	0.0264304	12.82	0.0011465	######	17.74262	0.46	0.2486965	1.35	400.4453	0.06	7.95408	2.86	0.0000000	0.00	0.0678300	2.70
16D06687	5.2 %	✓	0.0074219	11.65	0.0000000	0.00	0.1133231	0.31	0.0000000	0.00	425.5468	0.27	0.0013872	11.65	0.0000000	0.00	0.2443278	0.43	0.0305543	12.82	0.0000000	0.00	20.30819	0.40	0.2874994	1.35	458.3056	0.06	2.19318	11.65	0.0000000	0.00	0.0776382	2.69
16D06688	6.1 %	✓	0.0117743	8.78	0.0000000	0.00	0.1500478	0.31	0.0000000	0.00	563.4541	0.27	0.0022006	8.78	0.0000000	0.00	0.3214164	0.35	0.0404560	12.82	0.0000000	0.00	26.71568	0.31	0.3806696	1.35	603.2915	0.05	3.47929	8.78	0.0000000	0.00	0.1021341	2.68
16D06690	7.3 %	✓	0.0227244	5.65	0.0000000	0.00	0.2116292	0.31	0.0000000	0.00	794.7024	0.27	0.0042472	5.65	0.0000000	0.00	0.4544788	0.28	0.0570596	12.82	0.0000000	0.00	37.77564	0.22	0.5369009	1.35	851.6864	0.05	6.71506	5.65	0.0000000	0.00	0.1444163	2.67
16D06691	8.5 %	✓	0.0315830	3.97	0.0000000	0.00	0.1937604	0.31	0.0000000	0.00	727.6020	0.27	0.0059029	3.97	0.0000000	0.00	0.4204659	0.29	0.0522418	12.82	0.0000000	0.00	34.94854	0.24	0.4915679	1.35	787.5241	0.05	9.33278	3.97	0.0000000	0.00	0.1336083	2.67
16D06692	9.7 %	✓	0.0612624	1.86	0.0000000	0.00	0.1532526	0.31	0.0000009	311.94	575.4885	0.27	0.0114499	1.86	0.0000000	0.00	0.3365332	0.34	0.0413201	12.82	0.0089655	311.94	27.97217	0.30	0.3888000	1.35	629.8190	0.05	18.10305	1.86	0.0000000	0.00	0.1069376	2.68
16D06694	11.0 %	✓	0.0980287	1.05	0.0000000	0.00	0.1087567	0.31	0.0000000	0.00	408.3991	0.27	0.0183216	1.05	0.0000000	0.00	0.2421893	0.44	0.0293231	12.82	0.0000000	0.00	20.13043	0.41	0.2759145	1.35	456.0475	0.07	28.96749	1.05	0.0000000	0.00	0.0769587	2.69
16D06695	12.4 %		0.0338047	2.09	0.0000000	0.00	0.0580876	0.31	0.0000002	######	218.1285	0.27	0.0063181	2.09	0.0000000	0.00	0.1261737	0.78	0.0156616	12.82	0.0016462	######	10.48739	0.77	0.1473676	1.35	240.3715	0.09	9.98928	2.09	0.0000000	0.00	0.0400933	2.77
16D06696	14.0 %		0.0276261	2.44	0.0000000	0.00	0.0471005	0.31	0.0000008	354.70	176.8701	0.27	0.0051633	2.44	0.0000000	0.00	0.0994021	0.99	0.0126993	12.82	0.0077770	354.70	8.26216	0.97	0.1194935	1.35	190.5168	0.11	8.16350	2.44	0.0000000	0.00	0.0315863	2.83
16D06698	15.8 %		0.0362456	1.90	0.0000000	0.00	0.0510924	0.31	0.0000000	0.00	191.8604	0.27	0.0067743	1.90	0.0000000	0.00	0.1072823	0.92	0.0137756	12.82	0.0000000	0.00	8.91716	0.91	0.1296209	1.35	205.8347	0.10	10.71056	1.90	0.0000000	0.00	0.0340903	2.81
16D06699	18.0 %		0.0389012	1.79	0.0000000	0.00	0.0604296	0.31	0.0000000	0.00	226.9232	0.27	0.0072706	1.79	0.0000000	0.00	0.1165770	0.85	0.0162931	12.82	0.0000000	0.00	9.68971	0.83	0.1533093	1.35	224.0431	0.10	11.49531	1.79	0.0000000	0.00	0.0370438	2.79
16D06701	20.5 %		0.0257349	2.49	0.0000000	0.00	0.0426430	0.31	0.0000000	0.00	160.1316	0.27	0.0048099	2.49	0.0000000	0.00	0.0717740	1.36	0.0114974	12.82	0.0000000	0.00	5.96575	1.35	0.1081849	1.35	139.1632	0.14	7.60467	2.49	0.0000000	0.00	0.0228071	2.98
16D06702	22.5 %		0.0122787	4.60	0.0000000	0.00	0.0304968	0.32	0.0000000	0.00	114.5206	0.28	0.0022949	4.60	0.0000000	0.00	0.0490699	1.97	0.0082226	12.82	0.0000000	0.00	4.07862	1.97	0.0773701	1.35	94.1834	0.19	3.62837	4.60	0.0000000	0.00	0.0155926	3.31
16D06704	24.5 %		0.0105746	4.86	0.0000000	0.00	0.0204751	0.32	0.0000036	73.27	76.8872	0.29	0.0019764	4.86	0.0000000	0.00	0.0321519	3.00	0.0055205	12.82	0.0373721	73.28	2.67242	3.00	0.0519450	1.35	60.1131	0.27	3.12479	4.86	0.0000000	0.00	0.0102167	4.01
		Σ	0.5054100	0.73	0.0000000	0.00	1.6743450	0.08	0.0000055	108.08	6287.4388	0.07	0.0944611	0.73	0.0000000	0.00	3.6100813	0.13	0.4514381	3.42	0.0569073	108.14	300.06494	0.12	4.2477937	0.36	6796.6661	0.02	149.34865	0.73	0.0000000	0.00	1.1471483	0.72
		Σ							2.1797605	0.18	6287.4388	0.07									4.2128879	1.51			304.31274	0.12							6947.1619	0.02

Additional Parameters			40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
16D06676	1.8 %	✓	23.343194	0.750597	17.535717	0.566493	0.006471	0.000283	59.860	3.270089	1.00042334	2.786E-12
16D06678	2.0 %	✓	22.938462	0.453050	17.656176	0.352312	0.006371	0.000174	59.874	3.270986	1.00042344	4.488E-12
16D06679	2.4 %	✓	22.975326	0.333359	18.017574	0.266137	0.007138	0.000144	59.881	3.271435	1.00042349	6.134E-12
16D06680	2.8 %	✓	22.733531	0.217510	18.825902	0.187124	0.006156	0.000091	59.887	3.271884	1.00042354	9.169E-12
16D06682	3.2 %	✓	22.478523	0.124671	19.318373	0.118893	0.005859	0.000057	59.899	3.272602	1.00042362	1.575E-11
16D06683	3.6 %	✓	22.482455	0.121231	19.867662	0.119491	0.005960	0.000056	59.905	3.273006	1.00042366	1.621E-11
16D06684	4.0 %	✓	22.330590	0.119812	20.155348	0.120737	0.005775	0.000054	59.910	3.273365	1.00042370	1.619E-11
16D06686	4.5 %	✓	22.703573	0.102785	20.460535	0.107464	0.006945	0.000050	59.922	3.274128	1.00042378	1.961E-11
16D06687	5.2 %	✓	22.362762	0.088650	20.661940	0.098648	0.005863	0.000045	59.928	3.274533	1.00042383	2.211E-11
16D06688	6.1 %	✓	22.396847	0.068192	20.794461	0.084052	0.005972	0.000039	59.934	3.274892	1.00042387	2.913E-11
16D06690	7.3 %	✓	22.409002	0.049359	20.742615	0.071576	0.006117	0.000032	59.946	3.275656	1.00042395	4.121E-11
16D06691	8.5 %	✓	22.488376	0.053741	20.530465	0.073378	0.006358	0.000035	59.952	3.276060	1.00042399	3.826E-11
16D06692	9.7 %	✓	22.849323	0.066480	20.291563	0.079969	0.007564	0.000043	59.958	3.276420	1.00042403	3.111E-11
16D06694	11.0 %	✓	23.771619	0.095293	20.013337	0.096309	0.010133	0.000063	59.969	3.277184	1.00042412	2.328E-11
16D06695	12.4 %		23.545533	0.177980	20.510912	0.164464	0.008641	0.000092	59.976	3.277588	1.00042416	1.202E-11
16D06696	14.0 %		23.707947	0.227797	21.102047	0.210550	0.008916	0.000116	59.981	3.277948	1.00042420	9.538E-12
16D06698	15.8 %		23.939945	0.213685	21.207592	0.197672	0.009654	0.000114	59.993	3.278713	1.00042428	1.040E-11
16D06699	18.0 %		23.933235	0.196004	23.054213	0.198638	0.010091	0.000107	59.999	3.279117	1.00042433	1.131E-11
16D06701	20.5 %		24.167300	0.321048	26.363714	0.357289	0.011258	0.000182	60.011	3.279882	1.00042441	7.046E-12
16D06702	22.5 %		23.538884	0.454279	27.555558	0.537042	0.010293	0.000239	60.017	3.280242	1.00042445	4.696E-12
16D06704	24.5 %		23.215756	0.682928	28.222097	0.833776	0.011398	0.000384	60.028	3.281007	1.00042453	3.036E-12

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
16D06676	1.8 %	0.0022497 ± 0.0003777	0.0516113 ± 0.0172943	0.0667511 ± 0.0213210	0.0391823 ± 0.0779391	0.7118256 ± 0.0527035
16D06678	2.0 %	0.0023319 ± 0.0003777	0.0407656 ± 0.0172943	0.0577458 ± 0.0213210	0.0203180 ± 0.0779391	0.7171297 ± 0.0527035
16D06679	2.4 %	0.0023885 ± 0.0003777	0.0347545 ± 0.0172943	0.0517645 ± 0.0213210	0.0108757 ± 0.0779391	0.7221513 ± 0.0527035
16D06680	2.8 %	0.0024512 ± 0.0003777	0.0287201 ± 0.0172943	0.0455967 ± 0.0213210	0.0026580 ± 0.0779391	0.7279934 ± 0.0527035
16D06682	3.2 %	0.0025567 ± 0.0003777	0.0195800 ± 0.0172943	0.0365382 ± 0.0213210	0.0062319 ± 0.0779391	0.7379003 ± 0.0527035
16D06683	3.6 %	0.0026157 ± 0.0003777	0.0149591 ± 0.0172943	0.0323853 ± 0.0213210	0.0082807 ± 0.0779391	0.7432880 ± 0.0527035
16D06684	4.0 %	0.0026663 ± 0.0003777	0.0112748 ± 0.0172943	0.0294822 ± 0.0213210	0.0080847 ± 0.0779391	0.7477504 ± 0.0527035
16D06686	4.5 %	0.0027641 ± 0.0003777	0.0050075 ± 0.0172943	0.0262252 ± 0.0213210	0.0011268 ± 0.0779391	0.7557559 ± 0.0527035
16D06687	5.2 %	0.0028086 ± 0.0003777	0.0026292 ± 0.0172943	0.0262293 ± 0.0213210	0.0060472 ± 0.0779391	0.7590414 ± 0.0527035
16D06688	6.1 %	0.0028432 ± 0.0003777	0.0010779 ± 0.0172943	0.0272413 ± 0.0213210	0.0142503 ± 0.0779391	0.7613905 ± 0.0527035
16D06690	7.3 %	0.0028998 ± 0.0003777	0.0005197 ± 0.0172943	0.0322929 ± 0.0213210	0.0362345 ± 0.0779391	0.7647821 ± 0.0527035
16D06691	8.5 %	0.0029201 ± 0.0003777	0.0005153 ± 0.0172943	0.0363054 ± 0.0213210	0.0495017 ± 0.0779391	0.7659103 ± 0.0527035
16D06692	9.7 %	0.0029325 ± 0.0003777	0.0000963 ± 0.0172943	0.0404303 ± 0.0213210	0.0615935 ± 0.0779391	0.7667128 ± 0.0527035
16D06694	11.0 %	0.0029426 ± 0.0003777	0.0017316 ± 0.0172943	0.0499920 ± 0.0213210	0.0856749 ± 0.0779391	0.7686188 ± 0.0527035
16D06695	12.4 %	0.0029402 ± 0.0003777	0.0029656 ± 0.0172943	0.0548492 ± 0.0213210	0.0958908 ± 0.0779391	0.7703052 ± 0.0527035
16D06696	14.0 %	0.0029345 ± 0.0003777	0.0040423 ± 0.0172943	0.0586047 ± 0.0213210	0.1024058 ± 0.0779391	0.7725908 ± 0.0527035
16D06698	15.8 %	0.0029148 ± 0.0003777	0.0056084 ± 0.0172943	0.0631831 ± 0.0213210	0.1042932 ± 0.0779391	0.7813734 ± 0.0527035
16D06699	18.0 %	0.0029029 ± 0.0003777	0.0056251 ± 0.0172943	0.0627062 ± 0.0213210	0.0962976 ± 0.0779391	0.7891045 ± 0.0527035
16D06701	20.5 %	0.0028853 ± 0.0003777	0.0029837 ± 0.0172943	0.0535269 ± 0.0213210	0.0577575 ± 0.0779391	0.8120424 ± 0.0527035
16D06702	22.5 %	0.0028823 ± 0.0003777	0.0000708 ± 0.0172943	0.0443367 ± 0.0213210	0.0264634 ± 0.0779391	0.8276208 ± 0.0527035
16D06704	24.5 %	0.0028968 ± 0.0003777	0.0110144 ± 0.0172943	0.0111819 ± 0.0213210	0.0753413 ± 0.0779391	0.8738463 ± 0.0527035

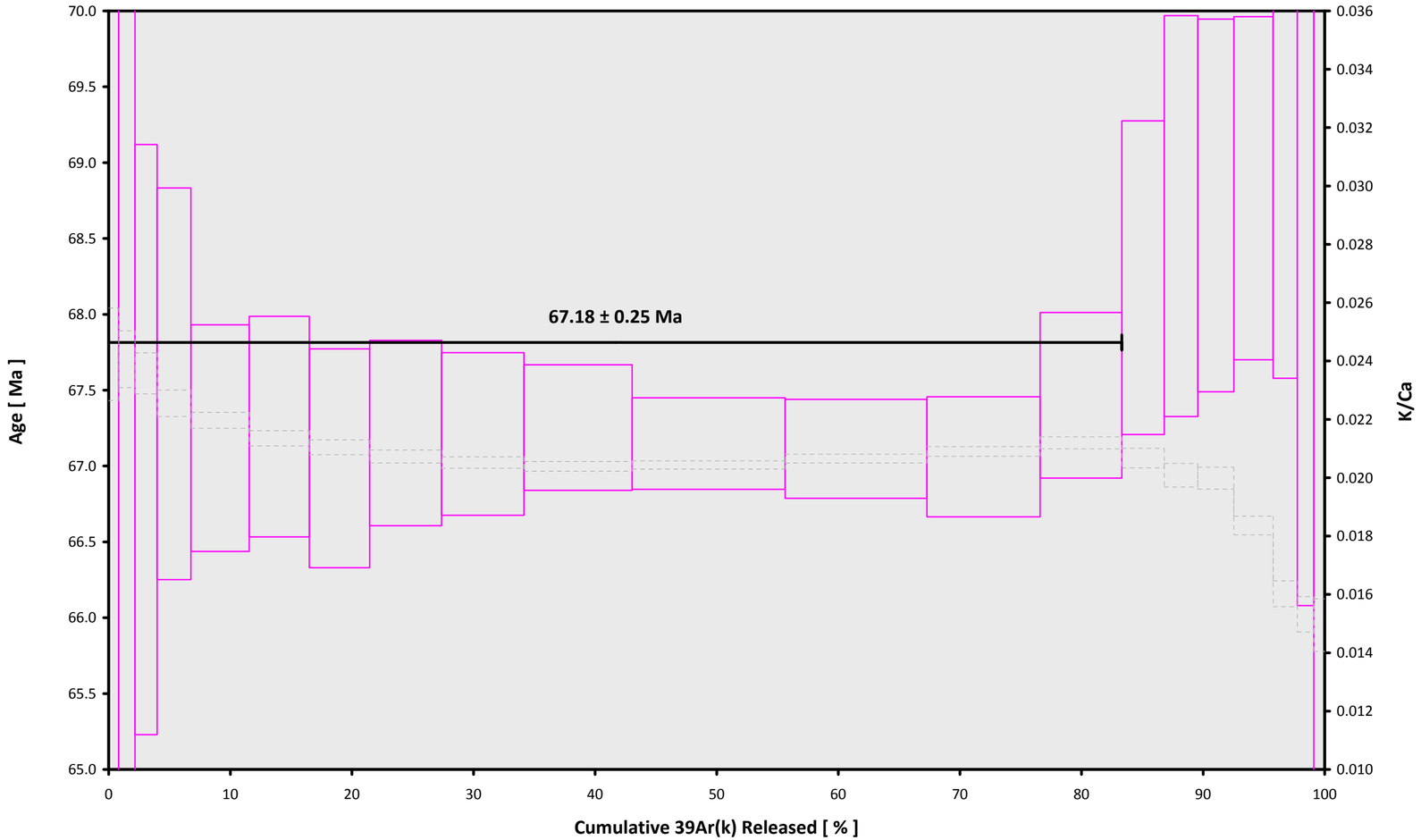
Intercept Values		36Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	37Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	38Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	39Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	40Ar ± 1σ (SE) [fA]	r2	Regression (type,n)
16D06676	1.8 %	0.0174978 ± 0.0002436	0.8664	EXP 150 of 150	12.984844 ± 0.017734	0.9473	EXP 150 of 150	0.0592890 ± 0.0153854	0.0060	EXP 150 of 150	2.5063701 ± 0.0145088	0.1920	EXP 150 of 150	58.761815 ± 0.021270	0.9984	EXP 150 of 150
16D06678	2.0 %	0.0269336 ± 0.0002621	0.8349	EXP 150 of 150	21.465813 ± 0.018834	0.9785	EXP 149 of 150	0.0911921 ± 0.0167009	0.0000	EXP 150 of 150	4.0638418 ± 0.0170299	0.5631	EXP 150 of 150	94.206880 ± 0.022582	0.9947	EXP 150 of 150
16D06679	2.4 %	0.0400040 ± 0.0003559	0.6565	EXP 150 of 150	29.911978 ± 0.021052	0.9867	EXP 150 of 150	0.1180578 ± 0.0163884	0.0003	EXP 150 of 150	5.5290831 ± 0.0177800	0.7219	EXP 150 of 150	128.512901 ± 0.024578	0.9679	EXP 150 of 150
16D06680	2.8 %	0.0514616 ± 0.0003817	0.5842	EXP 150 of 150	47.233515 ± 0.020061	0.9951	EXP 150 of 150	0.1532802 ± 0.0156470	0.0006	EXP 149 of 150	8.3387577 ± 0.0157785	0.8924	EXP 150 of 150	191.743901 ± 0.027634	0.9719	EXP 150 of 150
16D06682	3.2 %	0.0836058 ± 0.0004678	0.5439	EXP 150 of 150	84.236066 ± 0.022522	0.9980	EXP 150 of 150	0.2187719 ± 0.0142403	0.0012	EXP 150 of 150	14.4790906 ± 0.0166738	0.9637	EXP 150 of 150	328.935742 ± 0.034070	0.9980	EXP 150 of 150
16D06683	3.6 %	0.0874116 ± 0.0004672	0.5231	EXP 150 of 150	89.098066 ± 0.020455	0.9985	EXP 150 of 150	0.2204812 ± 0.0158436	0.0054	EXP 150 of 150	14.8903968 ± 0.0165077	0.9669	EXP 150 of 150	338.365678 ± 0.032822	0.9983	EXP 150 of 150
16D06684	4.0 %	0.0853167 ± 0.0004639	0.5870	EXP 150 of 150	90.906708 ± 0.021478	0.9984	EXP 150 of 150	0.2095574 ± 0.0164739	0.0011	EXP 149 of 150	14.9770427 ± 0.0167666	0.9648	EXP 150 of 150	338.035408 ± 0.035116	0.9979	EXP 150 of 150
16D06686	4.5 %	0.1211484 ± 0.0004515	0.3742	EXP 149 of 150	109.905177 ± 0.023980	0.9987	EXP 150 of 150	0.2686124 ± 0.0159985	0.0034	EXP 150 of 150	17.8482531 ± 0.0174683	0.9753	EXP 150 of 150	409.222954 ± 0.034306	0.9991	EXP 150 of 150
16D06687	5.2 %	0.1172129 ± 0.0005674	0.3488	EXP 150 of 150	127.040663 ± 0.024955	0.9989	EXP 150 of 150	0.2876448 ± 0.0165893	0.0001	EXP 150 of 150	20.4392480 ± 0.0170727	0.9826	EXP 150 of 150	461.335474 ± 0.035375	0.9993	EXP 150 of 150
16D06688	6.1 %	0.1561674 ± 0.0006711	0.1955	EXP 150 of 150	168.194754 ± 0.026879	0.9993	EXP 150 of 150	0.3826566 ± 0.0168038	0.0008	EXP 150 of 150	26.8968322 ± 0.0171132	0.9901	EXP 150 of 150	607.634271 ± 0.035376	0.9997	EXP 150 of 150
16D06690	7.3 %	0.2249466 ± 0.0007707	0.0299	EXP 150 of 150	237.170624 ± 0.027244	0.9996	EXP 150 of 150	0.5353207 ± 0.0169522	0.0417	EXP 150 of 150	38.0465158 ± 0.0166627	0.9955	EXP 150 of 150	859.310656 ± 0.044518	0.9998	EXP 150 of 150
16D06691	8.5 %	0.2164298 ± 0.0007819	0.0316	EXP 150 of 150	217.118443 ± 0.031346	0.9995	EXP 150 of 150	0.4655965 ± 0.0171976	0.0013	EXP 149 of 150	35.2100088 ± 0.0205188	0.9930	EXP 150 of 150	797.756432 ± 0.048625	0.9998	EXP 150 of 150
16D06692	9.7 %	0.2061833 ± 0.0007156	0.0069	EXP 150 of 150	171.708200 ± 0.025201	0.9994	EXP 150 of 150	0.4327394 ± 0.0165981	0.0426	EXP 150 of 150	28.1988131 ± 0.0162546	0.9916	EXP 150 of 150	648.795741 ± 0.039535	0.9997	EXP 150 of 150
16D06694	11.0 %	0.1988689 ± 0.0006426	0.1408	EXP 149 of 150	121.823634 ± 0.024066	0.9989	EXP 150 of 150	0.3160006 ± 0.0175316	0.0011	EXP 150 of 150	20.3310265 ± 0.0179240	0.9798	EXP 150 of 150	485.860568 ± 0.034960	0.9995	EXP 150 of 150
16D06695	12.4 %	0.0900070 ± 0.0004673	0.3120	EXP 150 of 150	65.056675 ± 0.020488	0.9972	EXP 150 of 150	0.2024072 ± 0.0163533	0.0158	EXP 149 of 150	10.6467393 ± 0.0151491	0.9433	EXP 149 of 150	251.171222 ± 0.031528	0.9942	EXP 150 of 150
16D06696	14.0 %	0.0737376 ± 0.0004563	0.3785	EXP 150 of 150	52.743972 ± 0.021597	0.9953	EXP 150 of 150	0.1817752 ± 0.0167373	0.0160	EXP 150 of 150	8.4179348 ± 0.0164977	0.8895	EXP 150 of 150	199.484481 ± 0.027920	0.9795	EXP 150 of 150
16D06698	15.8 %	0.0856663 ± 0.0004576	0.1462	EXP 150 of 150	57.199621 ± 0.021489	0.9960	EXP 150 of 150	0.1580101 ± 0.0164452	0.0029	EXP 150 of 150	9.0796958 ± 0.0173640	0.9038	EXP 149 of 150	217.360776 ± 0.026889	0.9938	EXP 150 of 150
16D06699	18.0 %	0.0970175 ± 0.0004414	0.1966	EXP 150 of 150	67.645588 ± 0.023205	0.9968	EXP 150 of 150	0.1691597 ± 0.0176918	0.0000	EXP 150 of 150	9.8616622 ± 0.0165105	0.9231	EXP 150 of 150	236.364506 ± 0.027163	0.9955	EXP 150 of 150
16D06701	20.5 %	0.0676724 ± 0.0004215	0.3934	EXP 150 of 150	47.724927 ± 0.019643	0.9953	EXP 150 of 150	0.1263261 ± 0.0166894	0.0088	EXP 150 of 150	6.0837729 ± 0.0176548	0.7668	EXP 149 of 150	147.602726 ± 0.026086	0.5595	EXP 150 of 150
16D06702	22.5 %	0.0434115 ± 0.0003507	0.5835	EXP 150 of 150	34.129543 ± 0.021833	0.9882	EXP 150 of 150	0.0961148 ± 0.0163534	0.0009	EXP 150 of 150	4.1496616 ± 0.0156274	0.5702	EXP 150 of 150	98.654952 ± 0.020361	0.9886	EXP 150 of 150
16D06704	24.5 %	0.0323193 ± 0.0002901	0.7229	EXP 150 of 150	22.919727 ± 0.018454	0.9815	EXP 150 of 150	0.0870503 ± 0.0164750	0.0047	EXP 150 of 150	2.6275258 ± 0.0154313	0.2233	EXP 150 of 150	64.121976 ± 0.019809	0.9956	EXP 150 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
16D06676	1.8 %	Susan Schnur	15-OSU-07	0.00	0.00	35.96	Walvis Ridge\MV1203 (13-INT-04)	16D06675	01
16D06678	2.0 %	Susan Schnur	15-OSU-07	0.00	0.00	35.96	Walvis Ridge\MV1203 (13-INT-04)	16D06675	01
16D06679	2.4 %	Susan Schnur	15-OSU-07	0.00	0.00	35.96	Walvis Ridge\MV1203 (13-INT-04)	16D06675	01
16D06680	2.8 %	Susan Schnur	15-OSU-07	0.00	0.00	35.96	Walvis Ridge\MV1203 (13-INT-04)	16D06675	01
16D06682	3.2 %	Susan Schnur	15-OSU-07	0.00	0.00	35.96	Walvis Ridge\MV1203 (13-INT-04)	16D06675	01
16D06683	3.6 %	Susan Schnur	15-OSU-07	0.00	0.00	35.96	Walvis Ridge\MV1203 (13-INT-04)	16D06675	01
16D06684	4.0 %	Susan Schnur	15-OSU-07	0.00	0.00	35.96	Walvis Ridge\MV1203 (13-INT-04)	16D06675	01
16D06686	4.5 %	Susan Schnur	15-OSU-07	0.00	0.00	35.96	Walvis Ridge\MV1203 (13-INT-04)	16D06675	01
16D06687	5.2 %	Susan Schnur	15-OSU-07	0.00	0.00	35.96	Walvis Ridge\MV1203 (13-INT-04)	16D06675	01
16D06688	6.1 %	Susan Schnur	15-OSU-07	0.00	0.00	35.96	Walvis Ridge\MV1203 (13-INT-04)	16D06675	01
16D06690	7.3 %	Susan Schnur	15-OSU-07	0.00	0.00	35.96	Walvis Ridge\MV1203 (13-INT-04)	16D06675	01
16D06691	8.5 %	Susan Schnur	15-OSU-07	0.00	0.00	35.96	Walvis Ridge\MV1203 (13-INT-04)	16D06675	01
16D06692	9.7 %	Susan Schnur	15-OSU-07	0.00	0.00	35.96	Walvis Ridge\MV1203 (13-INT-04)	16D06675	01
16D06694	11.0 %	Susan Schnur	15-OSU-07	0.00	0.00	35.96	Walvis Ridge\MV1203 (13-INT-04)	16D06675	01
16D06695	12.4 %	Susan Schnur	15-OSU-07	0.00	0.00	35.96	Walvis Ridge\MV1203 (13-INT-04)	16D06675	01
16D06696	14.0 %	Susan Schnur	15-OSU-07	0.00	0.00	35.96	Walvis Ridge\MV1203 (13-INT-04)	16D06675	01
16D06698	15.8 %	Susan Schnur	15-OSU-07	0.00	0.00	35.96	Walvis Ridge\MV1203 (13-INT-04)	16D06675	01
16D06699	18.0 %	Susan Schnur	15-OSU-07	0.00	0.00	35.96	Walvis Ridge\MV1203 (13-INT-04)	16D06675	01
16D06701	20.5 %	Susan Schnur	15-OSU-07	0.00	0.00	35.96	Walvis Ridge\MV1203 (13-INT-04)	16D06675	01
16D06702	22.5 %	Susan Schnur	15-OSU-07	0.00	0.00	35.96	Walvis Ridge\MV1203 (13-INT-04)	16D06675	01
16D06704	24.5 %	Susan Schnur	15-OSU-07	0.00	0.00	35.96	Walvis Ridge\MV1203 (13-INT-04)	16D06675	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
16D06676	1.8 %	MV1203-D13-09	Plagioclase	Daggoo Guyot	FCT-NM (7A20-15)	28.201	0.082	Kuiper et al (2008)	9.36697	0.152	0.00167796	0.152	304.606	0.138	0.9925168	0.067	1	4.8E-14	16	FEB	2016	11	7	1
16D06678	2.0 %	MV1203-D13-09	Plagioclase	Daggoo Guyot	FCT-NM (7A20-15)	28.201	0.082	Kuiper et al (2008)	9.36697	0.152	0.00167796	0.152	304.606	0.138	0.9925168	0.067	1	4.8E-14	16	FEB	2016	11	27	1
16D06679	2.4 %	MV1203-D13-09	Plagioclase	Daggoo Guyot	FCT-NM (7A20-15)	28.201	0.082	Kuiper et al (2008)	9.36697	0.152	0.00167796	0.152	304.606	0.138	0.9925168	0.067	1	4.8E-14	16	FEB	2016	11	37	1
16D06680	2.8 %	MV1203-D13-09	Plagioclase	Daggoo Guyot	FCT-NM (7A20-15)	28.201	0.082	Kuiper et al (2008)	9.36697	0.152	0.00167796	0.152	304.606	0.138	0.9925168	0.067	1	4.8E-14	16	FEB	2016	11	47	1
16D06682	3.2 %	MV1203-D13-09	Plagioclase	Daggoo Guyot	FCT-NM (7A20-15)	28.201	0.082	Kuiper et al (2008)	9.36697	0.152	0.00167796	0.152	304.606	0.138	0.9925168	0.067	1	4.8E-14	16	FEB	2016	12	3	1
16D06683	3.6 %	MV1203-D13-09	Plagioclase	Daggoo Guyot	FCT-NM (7A20-15)	28.201	0.082	Kuiper et al (2008)	9.36697	0.152	0.00167796	0.152	304.606	0.138	0.9925168	0.067	1	4.8E-14	16	FEB	2016	12	12	1
16D06684	4.0 %	MV1203-D13-09	Plagioclase	Daggoo Guyot	FCT-NM (7A20-15)	28.201	0.082	Kuiper et al (2008)	9.36697	0.152	0.00167796	0.152	304.606	0.138	0.9925168	0.067	1	4.8E-14	16	FEB	2016	12	20	1
16D06686	4.5 %	MV1203-D13-09	Plagioclase	Daggoo Guyot	FCT-NM (7A20-15)	28.201	0.082	Kuiper et al (2008)	9.36697	0.152	0.00167796	0.152	304.606	0.138	0.9925168	0.067	1	4.8E-14	16	FEB	2016	12	37	1
16D06687	5.2 %	MV1203-D13-09	Plagioclase	Daggoo Guyot	FCT-NM (7A20-15)	28.201	0.082	Kuiper et al (2008)	9.36697	0.152	0.00167796	0.152	304.606	0.138	0.9925168	0.067	1	4.8E-14	16	FEB	2016	12	46	1
16D06688	6.1 %	MV1203-D13-09	Plagioclase	Daggoo Guyot	FCT-NM (7A20-15)	28.201	0.082	Kuiper et al (2008)	9.36697	0.152	0.00167796	0.152	304.606	0.138	0.9925168	0.067	1	4.8E-14	16	FEB	2016	12	54	1
16D06690	7.3 %	MV1203-D13-09	Plagioclase	Daggoo Guyot	FCT-NM (7A20-15)	28.201	0.082	Kuiper et al (2008)	9.36697	0.152	0.00167796	0.152	304.606	0.138	0.9925168	0.067	1	4.8E-14	16	FEB	2016	13	11	1
16D06691	8.5 %	MV1203-D13-09	Plagioclase	Daggoo Guyot	FCT-NM (7A20-15)	28.201	0.082	Kuiper et al (2008)	9.36697	0.152	0.00167796	0.152	304.606	0.138	0.9925168	0.067	1	4.8E-14	16	FEB	2016	13	20	1
16D06692	9.7 %	MV1203-D13-09	Plagioclase	Daggoo Guyot	FCT-NM (7A20-15)	28.201	0.082	Kuiper et al (2008)	9.36697	0.152	0.00167796	0.152	304.606	0.138	0.9925168	0.067	1	4.8E-14	16	FEB	2016	13	28	1
16D06694	11.0 %	MV1203-D13-09	Plagioclase	Daggoo Guyot	FCT-NM (7A20-15)	28.201	0.082	Kuiper et al (2008)	9.36697	0.152	0.00167796	0.152	304.606	0.138	0.9925168	0.067	1	4.8E-14	16	FEB	2016	13	45	1
16D06695	12.4 %	MV1203-D13-09	Plagioclase	Daggoo Guyot	FCT-NM (7A20-15)	28.201	0.082	Kuiper et al (2008)	9.36697	0.152	0.00167796	0.152	304.606	0.138	0.9925168	0.067	1	4.8E-14	16	FEB	2016	13	54	1
16D06696	14.0 %	MV1203-D13-09	Plagioclase	Daggoo Guyot	FCT-NM (7A20-15)	28.201	0.082	Kuiper et al (2008)	9.36697	0.152	0.00167796	0.152	304.606	0.138	0.9925168	0.067	1	4.8E-14	16	FEB	2016	14	2	1
16D06698	15.8 %	MV1203-D13-09	Plagioclase	Daggoo Guyot	FCT-NM (7A20-15)	28.201	0.082	Kuiper et al (2008)	9.36697	0.152	0.00167796	0.152	304.606	0.138	0.9925168	0.067	1	4.8E-14	16	FEB	2016	14	19	1
16D06699	18.0 %	MV1203-D13-09	Plagioclase	Daggoo Guyot	FCT-NM (7A20-15)	28.201	0.082	Kuiper et al (2008)	9.36697	0.152	0.00167796	0.152	304.606	0.138	0.9925168	0.067	1	4.8E-14	16	FEB	2016	14	28	1
16D06701	20.5 %	MV1203-D13-09	Plagioclase	Daggoo Guyot	FCT-NM (7A20-15)	28.201	0.082	Kuiper et al (2008)	9.36697	0.152	0.00167796	0.152	304.606	0.138	0.9925168	0.067	1	4.8E-14	16	FEB	2016	14	45	1
16D06702	22.5 %	MV1203-D13-09	Plagioclase	Daggoo Guyot	FCT-NM (7A20-15)	28.201	0.082	Kuiper et al (2008)	9.36697	0.152	0.00167796	0.152	304.606	0.138	0.9925168	0.067	1	4.8E-14	16	FEB	2016	14	53	1
16D06704	24.5 %	MV1203-D13-09	Plagioclase	Daggoo Guyot	FCT-NM (7A20-15)	28.201	0.082	Kuiper et al (2008)	9.36697	0.152	0.00167796	0.152	304.606	0.138	0.9925168	0.067	1	4.8E-14	16	FEB	2016	15	10	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
16D06676	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
16D06678	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
16D06679	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
16D06680	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
16D06682	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
16D06683	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
16D06684	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
16D06686	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
16D06687	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
16D06688	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
16D06690	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
16D06691	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
16D06692	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
16D06694	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
16D06695	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
16D06696	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
16D06698	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
16D06699	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
16D06701	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
16D06702	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
16D06704	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

16D06675.AGE >>> MV1203-D13-09 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
67.18 ± 0.25
TOTAL FUSION
67.45 ± 0.26
NORMAL ISOCHRON
67.08 ± 0.29
INVERSE ISOCHRON
67.13 ± 0.29

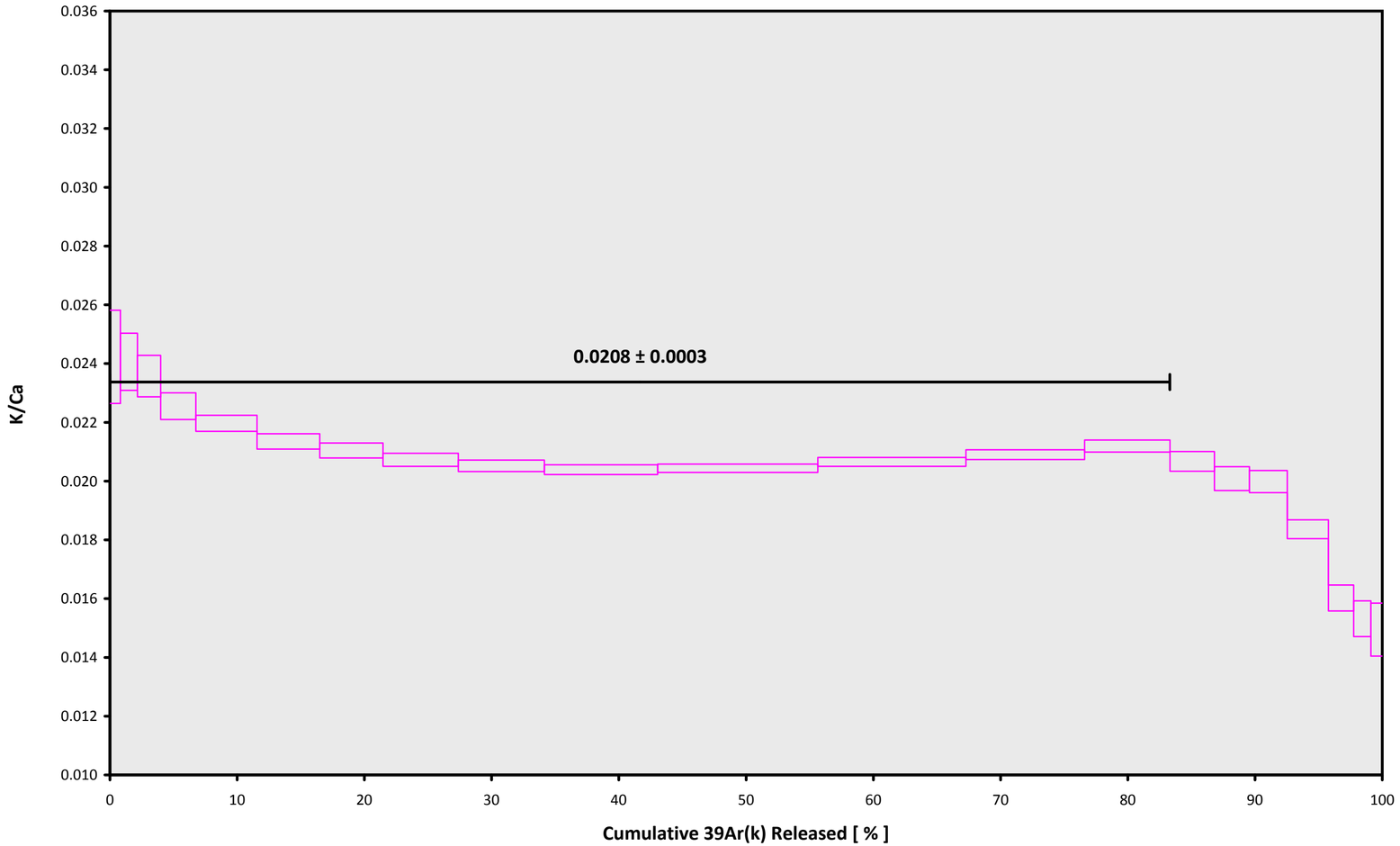
MSWD (PROBABILITY)
0.22 (100%)

Sample Info

Plagioclase
Daggoo Guyot
Susan Schnur

IRR = 15-OSU-07 (7A20-15)
J = 0.00167796 ± 0.00000255

16D06675.AGE >>> MV1203-D13-09 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

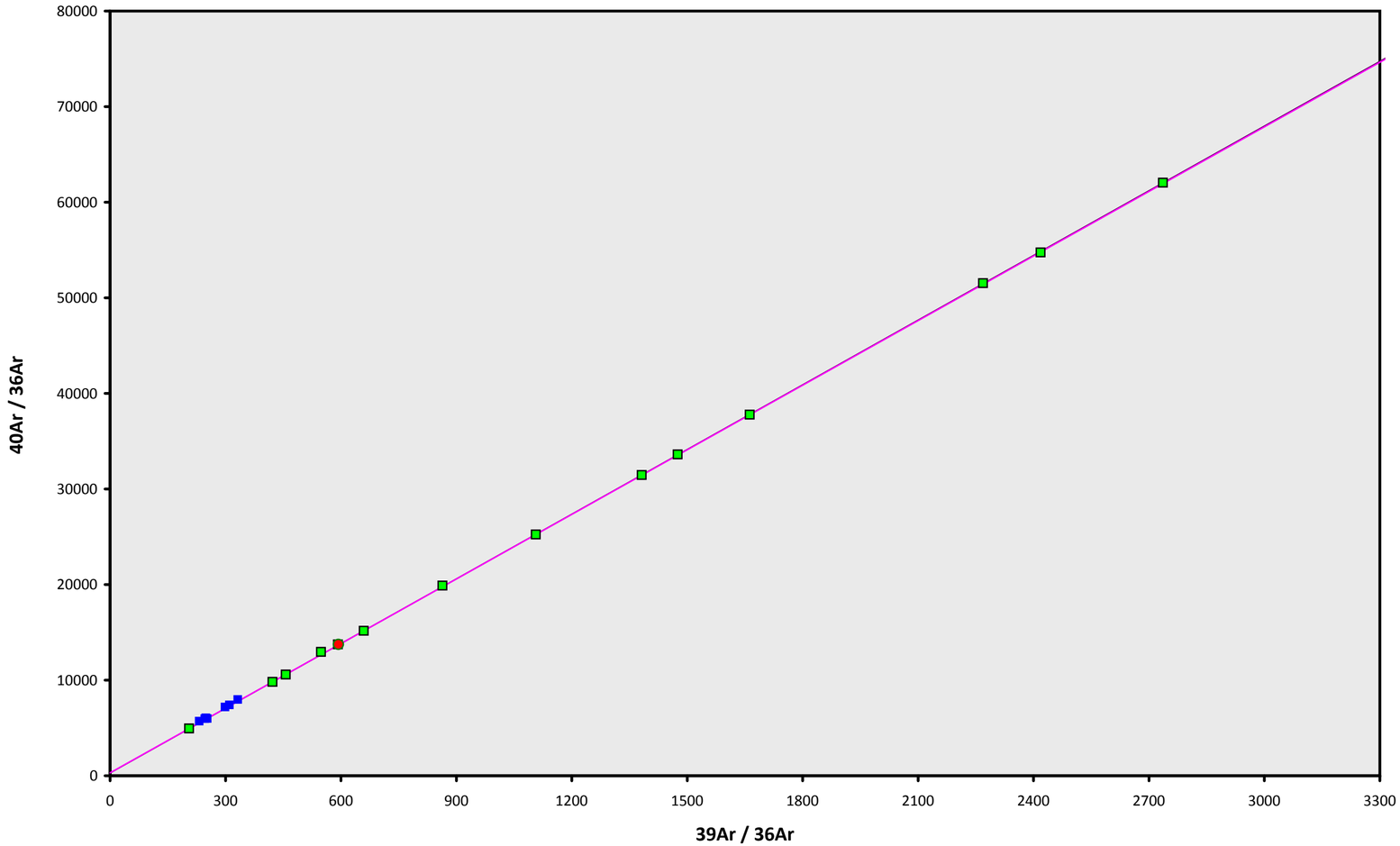
WEIGHTED PLATEAU
67.18 ± 0.25
TOTAL FUSION
67.45 ± 0.26
NORMAL ISOCHRON
67.08 ± 0.29
INVERSE ISOCHRON
67.13 ± 0.29

Sample Info

Plagioclase
Daggoo Guyot
Susan Schnur

IRR = 15-OSU-07 (7A20-15)
J = 0.00167796 ± 0.00000255

16D06675.AGE >>> MV1203-D13-09 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
67.18 ± 0.25
TOTAL FUSION
67.45 ± 0.26
NORMAL ISOCHRON
67.08 ± 0.29
INVERSE ISOCHRON
67.13 ± 0.29

MSWD (PROBABILITY)
0.22 (100%)

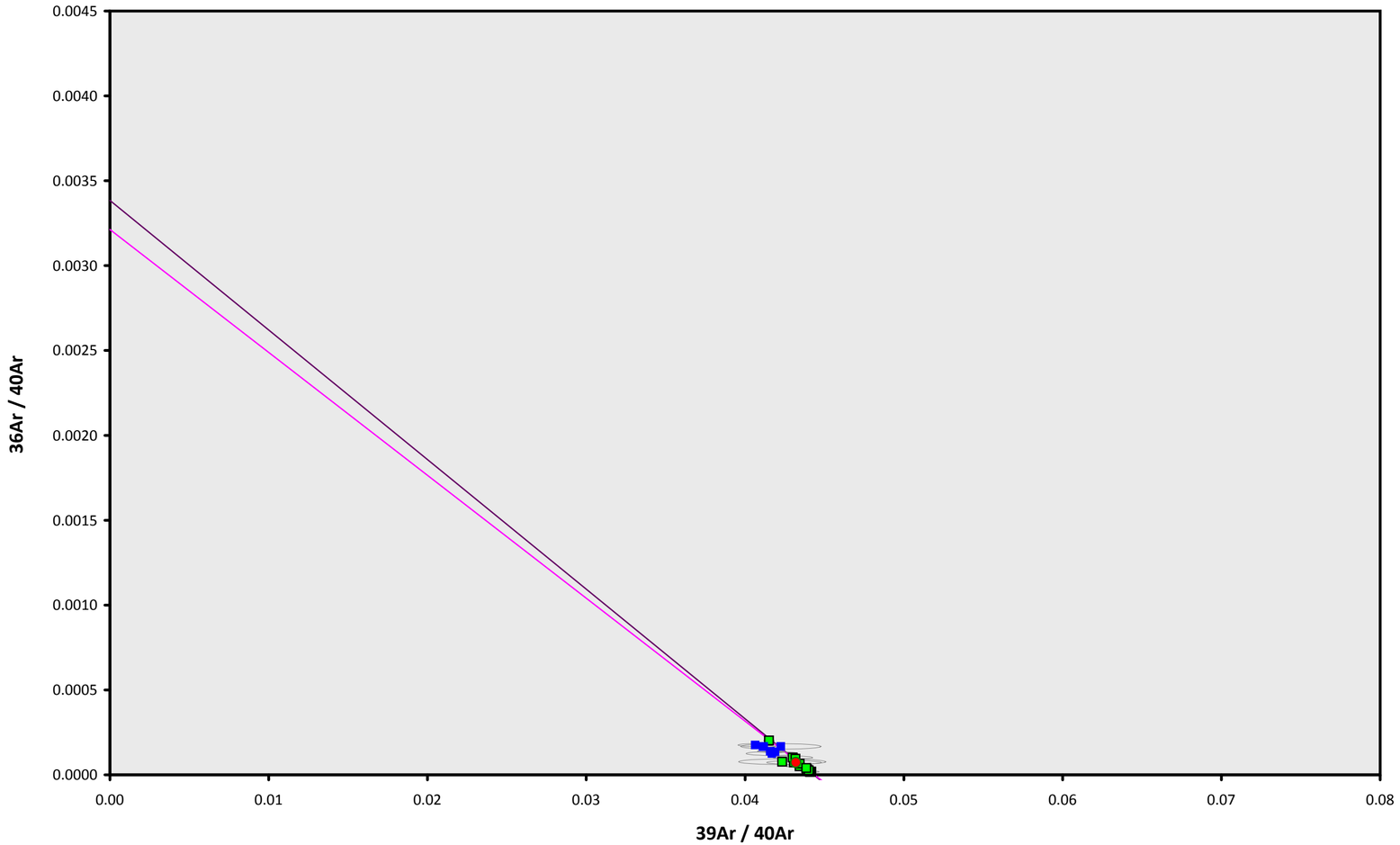
40AR/36AR INTERCEPT
318.7 ± 42.5

Sample Info

Plagioclase
Daggoo Guyot
Susan Schnur

IRR = 15-OSU-07 (7A20-15)
J = 0.00167796 ± 0.00000255

16D06675.AGE >>> MV1203-D13-09 >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
67.18 ± 0.25
TOTAL FUSION
67.45 ± 0.26
NORMAL ISOCHRON
67.08 ± 0.29
INVERSE ISOCHRON
67.13 ± 0.29

MSWD (PROBABILITY)
0.20 (100%)

SPREADING FACTOR
6.0%

40AR/36AR INTERCEPT
311.2 ± 42.2

Sample Info

Plagioclase
Daggoo Guyot
Susan Schnur

IRR = 15-OSU-07 (7A20-15)
J = 0.00167796 ± 0.00000255