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
13D03869	1.8 %		0.0554847	1.656	9.90121	8.828	1.188639	3.066	96.5379	0.078	331.868	0.034	3.27234 ± 0.00809	10.33 ± 0.03	95.18	1.38	4.19 ± 0.74
13D03871	2.0 %		0.0476708	1.882	16.07130	5.318	2.017983	1.887	170.2308	0.069	533.743	0.022	3.05646 ± 0.00547	9.65 ± 0.02	97.48	2.43	4.55 ± 0.48
13D03872	2.2 %		0.0327040	2.549	14.46312	6.030	1.900297	2.049	153.0300	0.070	467.026	0.025	2.99253 ± 0.00559	9.45 ± 0.02	98.05	2.19	4.55 ± 0.55
13D03874	2.4 %		0.0242025	3.405	10.63378	7.795	1.515294	2.705	127.0480	0.073	383.959	0.030	2.96880 ± 0.00616	9.38 ± 0.02	98.23	1.82	5.14 ± 0.80
13D03875	2.7 %	✓	0.0347977	2.567	20.05931	4.186	2.847789	1.385	234.1994	0.067	702.730	0.017	2.95975 ± 0.00471	9.35 ± 0.01	98.63	3.35	5.02 ± 0.42
13D03876	3.0 %	✓	0.0305342	2.751	19.69844	4.443	2.784015	1.479	225.6524	0.067	675.200	0.018	2.95547 ± 0.00469	9.33 ± 0.01	98.77	3.23	4.93 ± 0.44
13D03878	3.3 %	✓	0.0292822	3.023	20.13063	4.289	2.930930	1.407	242.6809	0.067	724.885	0.016	2.95420 ± 0.00463	9.33 ± 0.01	98.90	3.47	5.18 ± 0.44
13D03879	3.6 %	✓	0.0255904	3.366	19.33789	4.440	2.840432	1.343	232.4814	0.067	693.436	0.017	2.95313 ± 0.00467	9.33 ± 0.01	99.00	3.32	5.17 ± 0.46
13D03880	3.9 %	✓	0.0289820	2.996	24.04269	3.613	3.654038	1.066	298.2487	0.065	889.704	0.014	2.95708 ± 0.00434	9.34 ± 0.01	99.12	4.27	5.33 ± 0.39
13D03882	4.2 %	✓	0.0254912	3.317	21.96155	3.805	3.237711	1.249	267.2129	0.066	797.135	0.016	2.95777 ± 0.00444	9.34 ± 0.01	99.14	3.82	5.23 ± 0.40
13D03883	4.5 %	✓	0.0230641	3.535	20.01200	4.272	2.967511	1.261	244.4597	0.066	729.535	0.017	2.95918 ± 0.00455	9.35 ± 0.01	99.15	3.50	5.25 ± 0.45
13D03884	4.9 %	✓	0.0269868	3.174	25.24515	3.313	3.890813	1.040	312.5978	0.065	932.142	0.013	2.95913 ± 0.00428	9.35 ± 0.01	99.23	4.47	5.32 ± 0.35
13D03886	5.3 %	✓	0.0266574	3.119	25.01424	3.337	3.735180	1.062	302.8696	0.065	902.448	0.014	2.95651 ± 0.00429	9.34 ± 0.01	99.22	4.33	5.21 ± 0.35
13D03887	5.7 %	✓	0.0279576	3.117	25.75801	3.370	3.914655	1.022	312.4496	0.065	930.131	0.014	2.95332 ± 0.00430	9.33 ± 0.01	99.20	4.47	5.22 ± 0.35
13D03888	6.1 %		0.0322690	2.643	25.98562	3.420	4.175426	0.984	325.6402	0.065	968.102	0.013	2.94630 ± 0.00422	9.31 ± 0.01	99.10	4.66	5.39 ± 0.37
13D03890	6.5 %		0.0273846	3.137	25.36636	3.331	3.835936	1.049	297.5085	0.065	883.672	0.014	2.94615 ± 0.00431	9.31 ± 0.01	99.18	4.25	5.04 ± 0.34
13D03891	6.9 %		0.0368631	2.580	27.19005	3.167	4.228939	0.965	317.7160	0.065	942.510	0.013	2.93540 ± 0.00430	9.27 ± 0.01	98.95	4.54	5.02 ± 0.32
13D03892	7.3 %		0.0399831	2.224	25.73607	3.362	3.951984	1.057	294.3023	0.066	873.462	0.014	2.93109 ± 0.00436	9.26 ± 0.01	98.75	4.21	4.92 ± 0.33
13D03894	7.7 %		0.0367758	2.550	24.71006	3.477	3.792375	1.040	273.6965	0.066	809.975	0.015	2.92326 ± 0.00447	9.23 ± 0.01	98.77	3.91	4.76 ± 0.33
13D03895	8.1 %		0.0387974	2.391	24.49960	3.543	3.885438	1.024	274.2541	0.066	808.863	0.016	2.91104 ± 0.00446	9.19 ± 0.01	98.70	3.92	4.81 ± 0.34
13D03896	8.5 %		0.0481802	1.881	22.92461	3.700	3.623974	1.099	252.6619	0.066	748.094	0.016	2.90815 ± 0.00451	9.19 ± 0.01	98.21	3.61	4.74 ± 0.35
13D03898	9.0 %		0.0463332	1.857	21.70330	3.887	3.430745	1.154	235.1842	0.067	694.311	0.018	2.89777 ± 0.00459	9.15 ± 0.01	98.15	3.36	4.66 ± 0.36
13D03899	9.5 %		0.0412445	2.151	18.63109	4.637	2.930210	1.303	199.8507	0.068	589.574	0.020	2.89295 ± 0.00494	9.14 ± 0.02	98.06	2.86	4.61 ± 0.43
13D03900	10.3 %		0.0622158	1.570	24.14787	3.542	3.697848	1.085	242.8974	0.067	717.213	0.017	2.88145 ± 0.00466	9.10 ± 0.01	97.58	3.47	4.32 ± 0.31
13D03904	11.1 %		0.1002101	1.120	27.89597	3.051	4.144144	0.946	263.0524	0.066	785.851	0.016	2.87983 ± 0.00468	9.10 ± 0.01	96.39	3.76	4.05 ± 0.25
13D03905	11.9 %		0.0758745	1.341	19.38719	4.351	2.762535	1.397	179.7903	0.069	539.092	0.022	2.87883 ± 0.00541	9.09 ± 0.02	96.00	2.57	3.99 ± 0.35
13D03906	13.0 %		0.0766118	1.278	17.18994	4.992	2.651070	1.536	169.9538	0.069	509.656	0.023	2.87015 ± 0.00545	9.07 ± 0.02	95.70	2.43	4.25 ± 0.42
13D03908	14.3 %		0.0770491	1.331	17.03709	5.078	2.527838	1.551	161.6024	0.070	484.211	0.024	2.86033 ± 0.00576	9.03 ± 0.02	95.45	2.31	4.08 ± 0.41
13D03909	16.0 %		0.0731462	1.363	15.55898	5.577	2.285656	1.698	142.4714	0.071	427.847	0.027	2.85657 ± 0.00610	9.02 ± 0.02	95.12	2.04	3.94 ± 0.44
13D03910	18.0 %		0.0578831	1.603	9.41672	8.911	1.480558	2.692	93.2153	0.078	282.550	0.040	2.85223 ± 0.00788	9.01 ± 0.02	94.09	1.33	4.26 ± 0.76
13D03912	21.0 %		0.0330730	2.622	5.73377	14.779	0.824865	4.657	49.3639	0.107	150.343	0.073	2.85348 ± 0.01311	9.01 ± 0.04	93.68	0.71	3.70 ± 1.09
		Σ	1.3433002	0.376	625.44360	0.762	93.654828	0.235	6992.8602	0.013	20909.268	0.003					

Information on Analysis and Constants Used in Calculations

Project = **MV1203 (13-INT-04)**
Sample = **MV1203-D42-17 (DARK)**
Material = **Groundmass**
Location = **Esk Guyot**
Region = **Walvis Ridge**
Analyst = **Susan Schnur**
Irradiation = **13-OSU-05**
Position = **X: | Y: | Z/H: 19.37 mm**
FCT-NM Age = **28.201 ± 0.023 Ma**
FCT-NM Reference = **Kuiper et al (2008)**
FCT-NM 40Ar/39Ar Ratio = **8.97572 ± 0.01158**
FCT-NM J-value = **0.00175110 ± 0.00000226**
Air Shot 40Ar/36Ar = **302.7280 ± 0.2876**
Air Shot MDF = **0.99402323 ± 0.00062389 (LIN)**
Experiment Type = **Incremental Heating**
Extraction Method = **Bulk Laser Heating**
Heating = **77 sec**
Isolation = **5.52 min**
Instrument = **ARGUS-VI-D**
Preferred Age = **Plateau Age**
Age Classification = **Eruption Age**
IGSN = **IESS10001**
Rock Class = **Igneous>Volcanic>Mafic**
Lithology = **Trachyte**
Lat-Lon = **38°41.2'S - 11°48.1'W**

Age Equations = **Min et al. (2000)**
Negative Intensities = **Allowed**
Collector Calibrations = **40Ar 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		2.95657 ± 0.00154 (± 0.05%)	**9.34 ± 0.02 (± 0.26%)**	1.18 (30%)	38.22 (10)	5.20 ± 0.13
		Full External Error ± 0.21		1.94	2σ Confidence Limit	
		Analytical Error ± 0.00		1.0881	Error Magnification	
Total Fusion Age		2.93680 ± 0.00088 (± 0.03%)	**9.28 ± 0.02 (± 0.26%)**		31	4.81 ± 0.07
		Full External Error ± 0.21				
		Analytical Error ± 0.00				
Normal Isochron	**278.52 ± 85.05 (± 30.54%)**	2.95798 ± 0.00726 (± 0.25%)	**9.34 ± 0.03 (± 0.36%)**	1.40 (19%)	38.22 (10)	
		Full External Error ± 0.21		2.00	2σ Confidence Limit	
		Analytical Error ± 0.02		1.1843	Error Magnification	
				1	Number of Iterations	
				0.0000008671	Convergence	
Inverse Isochron	**306.53 ± 79.99 (± 26.09%)**	2.95566 ± 0.00711 (± 0.24%)	**9.34 ± 0.03 (± 0.35%)**	1.32 (23%)	38.22 (10)	
Clustered Points		Full External Error ± 0.21		2.00	2σ Confidence Limit	
		Analytical Error ± 0.02		1.1490	Error Magnification	
				3	Number of Iterations	
				0.0009409848	Convergence	
				1%	Spreading Factor	

Notes
Good, but dirtier than LIGHT fraction so use LIGHT as final age.

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
13D03869	1.8 %		0.0528443	9.90121	0.0166845	96.5312	315.883	10.33 ± 0.03	95.18	1.38	4.19 ± 0.74
13D03871	2.0 %		0.0433911	16.07130	0.0000000	170.2199	520.270	9.65 ± 0.02	97.48	2.43	4.55 ± 0.48
13D03872	2.2 %		0.0288407	14.46312	0.0528818	153.0202	457.918	9.45 ± 0.02	98.05	2.19	4.55 ± 0.55
13D03874	2.4 %		0.0213707	10.63378	0.0000000	127.0408	377.158	9.38 ± 0.02	98.23	1.82	5.14 ± 0.80
13D03875	2.7 %	✓	0.0294507	20.05931	0.0233548	234.1858	693.132	9.35 ± 0.01	98.63	3.35	5.02 ± 0.42
13D03876	3.0 %	✓	0.0252744	19.69844	0.0632132	225.6391	666.869	9.33 ± 0.01	98.77	3.23	4.93 ± 0.44
13D03878	3.3 %	✓	0.0239202	20.13063	0.0054832	242.6673	716.889	9.33 ± 0.01	98.90	3.47	5.18 ± 0.44
13D03879	3.6 %	✓	0.0204321	19.33789	0.0383984	232.4683	686.510	9.33 ± 0.01	99.00	3.32	5.17 ± 0.46
13D03880	3.9 %	✓	0.0225660	24.04269	0.0600594	298.2325	881.896	9.34 ± 0.01	99.12	4.27	5.33 ± 0.39
13D03882	4.2 %	✓	0.0196389	21.96155	0.0178034	267.1981	790.310	9.34 ± 0.01	99.14	3.82	5.23 ± 0.40
13D03883	4.5 %	✓	0.0177300	20.01200	0.0218274	244.4462	723.361	9.35 ± 0.01	99.15	3.50	5.25 ± 0.45
13D03884	4.9 %	✓	0.0202362	25.24515	0.1245599	312.5807	924.967	9.35 ± 0.01	99.23	4.47	5.32 ± 0.35
13D03886	5.3 %	✓	0.0199769	25.01424	0.0860290	302.8527	895.387	9.34 ± 0.01	99.22	4.33	5.21 ± 0.35
13D03887	5.7 %	✓	0.0210647	25.75801	0.1499970	312.4322	922.712	9.33 ± 0.01	99.20	4.47	5.22 ± 0.35
13D03888	6.1 %		0.0252929	25.98562	0.2512674	325.6226	959.383	9.31 ± 0.01	99.10	4.66	5.39 ± 0.37
13D03890	6.5 %		0.0205734	25.36636	0.2511515	297.4913	876.455	9.31 ± 0.01	99.18	4.25	5.04 ± 0.34
13D03891	6.9 %		0.0295332	27.19005	0.3992472	317.6976	932.568	9.27 ± 0.01	98.95	4.54	5.02 ± 0.32
13D03892	7.3 %		0.0330394	25.73607	0.4034196	294.2849	862.574	9.26 ± 0.01	98.75	4.21	4.92 ± 0.33
13D03894	7.7 %		0.0300855	24.71006	0.4923359	273.6798	800.038	9.23 ± 0.01	98.77	3.91	4.76 ± 0.33
13D03895	8.1 %		0.0321439	24.49960	0.5783191	274.2376	798.316	9.19 ± 0.01	98.70	3.92	4.81 ± 0.34
13D03896	8.5 %		0.0419468	22.92461	0.5748994	252.6464	734.733	9.19 ± 0.01	98.21	3.61	4.74 ± 0.35
13D03898	9.0 %		0.0404211	21.70330	0.5923075	235.1695	681.467	9.15 ± 0.01	98.15	3.36	4.66 ± 0.36
13D03899	9.5 %		0.0361672	18.63109	0.5178603	199.8381	578.123	9.14 ± 0.02	98.06	2.86	4.61 ± 0.43
13D03900	10.3 %		0.0556144	24.14787	0.7636174	242.8811	699.850	9.10 ± 0.01	97.58	3.47	4.32 ± 0.31
13D03904	11.1 %		0.0925665	27.89597	0.9602829	263.0336	757.492	9.10 ± 0.01	96.39	3.76	4.05 ± 0.25
13D03905	11.9 %		0.0705807	19.38719	0.5850527	179.7772	517.548	9.09 ± 0.02	96.00	2.57	3.99 ± 0.35
13D03906	13.0 %		0.0719017	17.18994	0.5918232	169.9422	487.759	9.07 ± 0.02	95.70	2.43	4.25 ± 0.42
13D03908	14.3 %		0.0723847	17.03709	0.5689864	161.5908	462.203	9.03 ± 0.02	95.45	2.31	4.08 ± 0.41
13D03909	16.0 %		0.0688780	15.55898	0.5577188	142.4609	406.949	9.02 ± 0.02	95.12	2.04	3.94 ± 0.44
13D03910	18.0 %		0.0552975	9.41672	0.3481494	93.2090	265.854	9.01 ± 0.02	94.09	1.33	4.26 ± 0.76
13D03912	21.0 %		0.0314957	5.73377	0.2247170	49.3600	140.848	9.01 ± 0.04	93.68	0.71	3.70 ± 1.09
		Σ	1.1746597	625.44360	9.3214477	6992.4377	20535.424				

Information on Analysis

Project = **MV1203 (13-INT-04)**
Sample = **MV1203-D42-17 (DARK)**
Material = **Groundmass**
Location = **Esk Guyot**
Region = **Walvis Ridge**
Analyst = **Susan Schnur**
Irradiation = **13-OSU-05**
J = **0.00175110 ± 0.00000226**
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	2.95657	± 0.00154 ± 0.05%	**9.34**	**± 0.02** **± 0.26%**	1.18 30%	38.22 10	5.20 ± 0.13
		Full External Error		± 0.21	1.94	2σ Confidence Limit	
		Analytical Error		± 0.00	1.0881	Error Magnification	
Total Fusion Age	2.93680	± 0.00088 ± 0.03%	**9.28**	**± 0.02** **± 0.26%**		31	4.81 ± 0.07
		Full External Error		± 0.21			
		Analytical Error		± 0.00			

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
13D03869	1.8 %		1826.71 ± 65.60	6273.12 ± 225.09	0.9989
13D03871	2.0 %		3922.93 ± 167.43	12285.77 ± 524.12	0.9994
13D03872	2.2 %		5305.71 ± 318.46	16173.01 ± 970.50	0.9997
13D03874	2.4 %		5944.61 ± 474.72	17943.84 ± 1432.74	0.9998
13D03875	2.7 %	✓	7951.78 ± 497.45	23830.81 ± 1490.50	0.9998
13D03876	3.0 %	✓	8927.59 ± 616.10	26680.68 ± 1840.94	0.9998
13D03878	3.3 %	✓	10144.86 ± 776.05	30265.47 ± 2314.88	0.9998
13D03879	3.6 %	✓	11377.59 ± 992.62	33895.04 ± 2956.81	0.9999
13D03880	3.9 %	✓	13216.01 ± 1052.86	39376.24 ± 3136.52	0.9999
13D03882	4.2 %	✓	13605.58 ± 1211.87	40537.68 ± 3610.40	0.9999
13D03883	4.5 %	✓	13787.14 ± 1316.64	41094.18 ± 3924.04	0.9999
13D03884	4.9 %	✓	15446.59 ± 1351.50	46003.98 ± 4024.70	0.9999
13D03886	5.3 %	✓	15160.13 ± 1306.43	45116.59 ± 3887.51	0.9999
13D03887	5.7 %	✓	14832.01 ± 1269.88	44099.16 ± 3775.25	0.9999
13D03888	6.1 %		12874.09 ± 901.43	38226.47 ± 2676.13	0.9998
13D03890	6.5 %		14459.99 ± 1248.49	42896.86 ± 3703.35	0.9999
13D03891	6.9 %		10757.32 ± 712.84	31872.48 ± 2111.66	0.9998
13D03892	7.3 %		8907.08 ± 495.40	26402.92 ± 1468.12	0.9997
13D03894	7.7 %		9096.75 ± 584.01	26887.69 ± 1725.85	0.9998
13D03895	8.1 %		8531.56 ± 507.73	25131.19 ± 1495.27	0.9997
13D03896	8.5 %		6023.01 ± 268.31	17811.31 ± 793.13	0.9995
13D03898	9.0 %		5817.98 ± 256.09	17154.67 ± 754.77	0.9995
13D03899	9.5 %		5525.39 ± 280.12	16280.21 ± 825.08	0.9996
13D03900	10.3 %		4367.23 ± 157.65	12879.47 ± 464.62	0.9993
13D03904	11.1 %		2841.56 ± 70.39	8478.72 ± 209.77	0.9985
13D03905	11.9 %		2547.11 ± 75.30	7628.22 ± 225.29	0.9988
13D03906	13.0 %		2363.54 ± 66.19	7079.20 ± 198.02	0.9987
13D03908	14.3 %		2232.39 ± 64.93	6680.87 ± 194.12	0.9987
13D03909	16.0 %		2068.31 ± 61.55	6203.76 ± 184.43	0.9987
13D03910	18.0 %		1685.59 ± 58.25	5103.19 ± 176.23	0.9987
13D03912	21.0 %		1567.20 ± 89.24	4767.46 ± 271.36	0.9990

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	**278.52 ± 85.05 ± 30.54%**	2.95798 ± 0.00726 ± 0.25%	**9.34 ± 0.03 ± 0.36%**	1.40 19%
			Full External Error ± 0.21	
			Analytical Error ± 0.02	

Statistics				
	2σ Confidence Limit	2.00	Convergence	0.000000867084
	Error Magnification	1.1843	Number of Iterations	1
	Number of Data Points	10	Calculated Line	Weighted York-2

Inverse Isochron			39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
13D03869	1.8 %		0.2911964 ± 0.0004981	0.00015941 ± 0.00000572	0.0078
13D03871	2.0 %		0.3193067 ± 0.0004616	0.00008140 ± 0.00000347	0.0033
13D03872	2.2 %		0.3280595 ± 0.0004903	0.00006183 ± 0.00000371	0.0029
13D03874	2.4 %		0.3312899 ± 0.0005250	0.00005573 ± 0.00000445	0.0028
13D03875	2.7 %	✓	0.3336766 ± 0.0004619	0.00004196 ± 0.00000262	0.0014
13D03876	3.0 %	✓	0.3346087 ± 0.0004636	0.00003748 ± 0.00000259	0.0014
13D03878	3.3 %	✓	0.3351957 ± 0.0004601	0.00003304 ± 0.00000253	0.0010
13D03879	3.6 %	✓	0.3356714 ± 0.0004633	0.00002950 ± 0.00000257	0.0010
13D03880	3.9 %	✓	0.3356341 ± 0.0004485	0.00002540 ± 0.00000202	0.0007
13D03882	4.2 %	✓	0.3356281 ± 0.0004528	0.00002467 ± 0.00000220	0.0008
13D03883	4.5 %	✓	0.3355010 ± 0.0004605	0.00002433 ± 0.00000232	0.0009
13D03884	4.9 %	✓	0.3357664 ± 0.0004463	0.00002174 ± 0.00000190	0.0006
13D03886	5.3 %	✓	0.3360212 ± 0.0004488	0.00002216 ± 0.00000191	0.0007
13D03887	5.7 %	✓	0.3363331 ± 0.0004488	0.00002268 ± 0.00000194	0.0007
13D03888	6.1 %		0.3367847 ± 0.0004462	0.00002616 ± 0.00000183	0.0008
13D03890	6.5 %		0.3370874 ± 0.0004499	0.00002331 ± 0.00000201	0.0007
13D03891	6.9 %		0.3375111 ± 0.0004476	0.00003138 ± 0.00000208	0.0009
13D03892	7.3 %		0.3373522 ± 0.0004541	0.00003787 ± 0.00000211	0.0012
13D03894	7.7 %		0.3383239 ± 0.0004567	0.00003719 ± 0.00000239	0.0011
13D03895	8.1 %		0.3394809 ± 0.0004610	0.00003979 ± 0.00000237	0.0013
13D03896	8.5 %		0.3381568 ± 0.0004588	0.00005614 ± 0.00000250	0.0019
13D03898	9.0 %		0.3391485 ± 0.0004683	0.00005829 ± 0.00000256	0.0022
13D03899	9.5 %		0.3393932 ± 0.0004833	0.00006142 ± 0.00000311	0.0023
13D03900	10.3 %		0.3390848 ± 0.0004662	0.00007764 ± 0.00000280	0.0024
13D03904	11.1 %		0.3351404 ± 0.0004535	0.00011794 ± 0.00000292	0.0031
13D03905	11.9 %		0.3339069 ± 0.0004832	0.00013109 ± 0.00000387	0.0047
13D03906	13.0 %		0.3338705 ± 0.0004836	0.00014126 ± 0.00000395	0.0052
13D03908	14.3 %		0.3341464 ± 0.0004977	0.00014968 ± 0.00000435	0.0055
13D03909	16.0 %		0.3333960 ± 0.0005073	0.00016119 ± 0.00000479	0.0064
13D03910	18.0 %		0.3303011 ± 0.0005767	0.00019596 ± 0.00000677	0.0107
13D03912	21.0 %		0.3287277 ± 0.0008500	0.00020976 ± 0.00001194	0.0145

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	**306.53 ± 79.99**	2.95566 ± 0.00711	**9.34 ± 0.03**	1.32
Clustered Points	**± 26.09%**	± 0.24%	**± 0.35%**	23%
			Full External Error ± 0.21	
			Analytical Error ± 0.02	

Statistics				
	2σ Confidence Limit	2.00	Convergence	0.0009409848
	Error Magnification	1.1490	Number of Iterations	3
	Number of Data Points	10	Calculated Line	Weighted York-2
	Spreading Factor	0.8%		

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
13D03869	1.8 %		0.0528443	1.79	0.0000000	0.00	0.0026367	8.83	0.0000037	218.78	9.90121	8.83	0.0098766	1.79	0.0000000	0.00	1.161367	0.18	0.0007109	15.57	0.0166845	218.78	96.5312	0.08	0.0066893	8.93	315.883	0.10	15.61548	1.79	0.0000000	0.00	0.369039	2.66
13D03871	2.0 %		0.0433911	2.13	0.0000000	0.00	0.0042798	5.32	0.0000000	0.00	16.07130	5.32	0.0081098	2.13	0.0000000	0.00	2.047916	0.17	0.0011539	13.88	0.0000000	0.00	170.2199	0.07	0.0108578	5.48	520.270	0.06	12.82206	2.13	0.0000000	0.00	0.650751	2.66
13D03872	2.2 %		0.0288407	3.00	0.0000000	0.00	0.0038515	6.03	0.0000118	73.89	14.46312	6.03	0.0053903	3.00	0.0000000	0.00	1.840986	0.17	0.0010385	14.17	0.0528818	73.90	153.0202	0.07	0.0097713	6.17	457.918	0.06	8.52242	3.00	0.0000000	0.00	0.584996	2.66
13D03874	2.4 %		0.0213707	3.99	0.0000000	0.00	0.0028318	7.80	0.0000000	0.00	10.63378	7.80	0.0039942	3.99	0.0000000	0.00	1.528428	0.18	0.0007635	15.00	0.0000000	0.00	127.0408	0.07	0.0071842	7.91	377.158	0.07	6.31505	3.99	0.0000000	0.00	0.485677	2.66
13D03875	2.7 %	✓	0.0294507	3.13	0.0000000	0.00	0.0053418	4.19	0.0000052	170.24	20.05931	4.19	0.0055043	3.13	0.0000000	0.00	2.817490	0.17	0.0014403	13.49	0.0233548	170.24	234.1858	0.07	0.0135521	4.39	693.132	0.04	8.70269	3.13	0.0000000	0.00	0.895292	2.66
13D03876	3.0 %	✓	0.0252744	3.45	0.0000000	0.00	0.0052457	4.45	0.0000141	65.56	19.69844	4.44	0.0047238	3.45	0.0000000	0.00	2.714664	0.17	0.0014143	13.57	0.0632132	65.56	225.6391	0.07	0.0133083	4.64	666.869	0.04	7.46857	3.45	0.0000000	0.00	0.862618	2.66
13D03878	3.3 %	✓	0.0239202	3.82	0.0000000	0.00	0.0053608	4.29	0.0000012	757.95	20.13063	4.29	0.0044707	3.82	0.0000000	0.00	2.919531	0.17	0.0014454	13.52	0.0054832	757.95	242.6673	0.07	0.0136003	4.49	716.889	0.04	7.06843	3.82	0.0000000	0.00	0.927717	2.66
13D03879	3.6 %	✓	0.0204321	4.36	0.0000000	0.00	0.0051497	4.44	0.0000086	100.13	19.33789	4.44	0.0038188	4.36	0.0000000	0.00	2.796826	0.17	0.0013885	13.57	0.0383984	100.13	232.4683	0.07	0.0130647	4.63	686.510	0.04	6.03769	4.36	0.0000000	0.00	0.888726	2.66
13D03880	3.9 %	✓	0.0225660	3.98	0.0000000	0.00	0.0064026	3.62	0.0000134	65.71	24.04269	3.61	0.0042176	3.98	0.0000000	0.00	3.588035	0.17	0.0017263	13.32	0.0600594	65.71	298.2325	0.07	0.0162432	3.85	881.896	0.03	6.66825	3.98	0.0000000	0.00	1.140143	2.66
13D03882	4.2 %	✓	0.0196389	4.45	0.0000000	0.00	0.0058484	3.81	0.0000040	229.23	21.96155	3.81	0.0036705	4.45	0.0000000	0.00	3.214660	0.17	0.0015768	13.37	0.0178034	229.23	267.1981	0.07	0.0148372	4.03	790.310	0.04	5.80328	4.45	0.0000000	0.00	1.021498	2.66
13D03883	4.5 %	✓	0.0177300	4.77	0.0000000	0.00	0.0053292	4.27	0.0000049	173.03	20.01200	4.27	0.0033137	4.77	0.0000000	0.00	2.940933	0.17	0.0014369	13.51	0.0218274	173.03	244.4462	0.07	0.0135201	4.47	723.361	0.04	5.23922	4.77	0.0000000	0.00	0.934518	2.66
13D03884	4.9 %	✓	0.0202362	4.37	0.0000000	0.00	0.0067228	3.32	0.0000278	32.92	25.24515	3.31	0.0037822	4.37	0.0000000	0.00	3.760659	0.17	0.0018126	13.24	0.1245599	32.94	312.5807	0.07	0.0170556	3.57	924.967	0.03	5.97981	4.37	0.0000000	0.00	1.194996	2.66
13D03886	5.3 %	✓	0.0199769	4.31	0.0000000	0.00	0.0066613	3.34	0.0000192	46.72	25.01424	3.34	0.0037337	4.31	0.0000000	0.00	3.643621	0.17	0.0017960	13.25	0.0860290	46.72	302.8527	0.07	0.0168996	3.59	895.387	0.03	5.90318	4.31	0.0000000	0.00	1.157806	2.66
13D03887	5.7 %	✓	0.0210647	4.28	0.0000000	0.00	0.0068594	3.37	0.0000335	27.04	25.75801	3.37	0.0039370	4.28	0.0000000	0.00	3.758871	0.17	0.0018494	13.26	0.1499970	27.06	312.4322	0.07	0.0174021	3.62	922.712	0.03	6.22463	4.28	0.0000000	0.00	1.194428	2.66
13D03888	6.1 %		0.0252929	3.50	0.0000000	0.00	0.0069200	3.42	0.0000562	16.59	25.98562	3.42	0.0047272	3.50	0.0000000	0.00	3.917566	0.17	0.0018658	13.27	0.2512674	16.62	325.6226	0.06	0.0175559	3.67	959.383	0.03	7.47404	3.50	0.0000000	0.00	1.244855	2.66
13D03890	6.5 %		0.0205734	4.32	0.0000000	0.00	0.0067551	3.33	0.0000561	16.24	25.36636	3.33	0.0038452	4.32	0.0000000	0.00	3.579118	0.17	0.0018213	13.25	0.2511515	16.27	297.4913	0.07	0.0171375	3.58	876.455	0.03	6.07944	4.32	0.0000000	0.00	1.137309	2.66
13D03891	6.9 %		0.0295332	3.31	0.0000000	0.00	0.0072407	3.17	0.0000892	10.39	27.19005	3.17	0.0055197	3.31	0.0000000	0.00	3.822220	0.17	0.0019522	13.21	0.3992472	10.43	317.6976	0.06	0.0183696	3.43	932.568	0.03	8.72705	3.31	0.0000000	0.00	1.214558	2.66
13D03892	7.3 %		0.0330394	2.78	0.0000000	0.00	0.0068535	3.37	0.0000902	10.51	25.73607	3.36	0.0061751	2.78	0.0000000	0.00	3.540541	0.17	0.0018478	13.25	0.4034196	10.55	294.2849	0.07	0.0173873	3.61	862.574	0.03	9.76315	2.78	0.0000000	0.00	1.125051	2.66
13D03894	7.7 %		0.0300855	3.21	0.0000000	0.00	0.0065803	3.48	0.0001101	8.15	24.71006	3.48	0.0056230	3.21	0.0000000	0.00	3.292642	0.17	0.0017742	13.28	0.4923359	8.20	273.6798	0.07	0.0166941	3.72	800.038	0.04	8.89025	3.21	0.0000000	0.00	1.046278	2.66
13D03895	8.1 %		0.0321439	2.97	0.0000000	0.00	0.0065242	3.55	0.0001293	7.01	24.49960	3.54	0.0060077	2.97	0.0000000	0.00	3.299352	0.17	0.0017591	13.30	0.5783191	7.07	274.2376	0.07	0.0165519	3.78	798.316	0.04	9.49852	2.97	0.0000000	0.00	1.048410	2.66
13D03896	8.5 %		0.0419468	2.23	0.0000000	0.00	0.0061048	3.70	0.0001285	7.05	22.92461	3.70	0.0078399	2.23	0.0000000	0.00	3.039588	0.17	0.0016460	13.34	0.5748994	7.11	252.6464	0.07	0.0154879	3.93	734.733	0.04	12.39529	2.23	0.0000000	0.00	0.965867	2.66
13D03898	9.0 %		0.0404211	2.20	0.0000000	0.00	0.0057796	3.89	0.0001325	6.80	21.70330	3.89	0.0075547	2.20	0.0000000	0.00	2.829324	0.17	0.0015583	13.40	0.5923075	6.86	235.1695	0.07	0.0146627	4.10	681.467	0.04	11.94445	2.20	0.0000000	0.00	0.899053	2.66
13D03899	9.5 %		0.0361672	2.53	0.0000000	0.00	0.0049615	4.64	0.0001158	7.47	18.63109	4.64	0.0067597	2.53	0.0000000	0.00	2.404253	0.17	0.0013377	13.63	0.5178603	7.53	199.8381	0.07	0.0125872	4.82	578.123	0.05	10.68742	2.53	0.0000000	0.00	0.763981	2.66
13D03900	10.3 %		0.0556144	1.80	0.0000000	0.00	0.0064306	3.54	0.0001708	5.38	24.14787	3.54	0.0103943	1.80	0.0000000	0.00	2.922103	0.17	0.0017338	13.30	0.7636174	5.45	242.8811	0.07	0.0163143	3.78	699.850	0.05	16.43407	1.80	0.0000000	0.00	0.928535	2.66
13D03904	11.1 %		0.0925665	1.24	0.0000000	0.00	0.0074287	3.05	0.0002149	4.22	27.89597	3.05	0.0173007	1.24	0.0000000	0.00	3.164557	0.17	0.0020029	13.18	0.9602829	4.32	263.0336	0.07	0.0188465	3.32	757.492	0.05	27.35340	1.24	0.0000000	0.00	1.005577	2.66
13D03905	11.9 %		0.0705807	1.48	0.0000000	0.00	0.0051628	4.35	0.0001309	6.69	19.38719	4.35	0.0131915	1.48	0.0000000	0.00	2.162899	0.17	0.0013920	13.54	0.5850527	6.76	179.7772	0.07	0.0130980	4.55	517.548	0.06	20.85660	1.48	0.0000000	0.00	0.687288	2.66
13D03906	13.0 %		0.0719017	1.40	0.0000000	0.00	0.0045777	4.99	0.0001325	6.97	17.18994	4.99	0.0134384	1.40	0.0000000	0.00	2.044575	0.17	0.0012342	13.76	0.5918232	7.03	169.9422	0.07	0.0116135	5.16	487.759	0.07	21.24694	1.40	0.0000000	0.00	0.649689	2.66
13D03908	14.3 %		0.0723847	1.45	0.0000000	0.00	0.0045370	5.08	0.0001274	6.98	17.03709	5.08	0.0135287	1.45	0.0000000	0.00	1.944099	0.17	0.0012233	13.79	0.5689864	7.04	161.5908	0.07	0.0115103	5.25	462.203	0.07	21.38968	1.45	0.0000000	0.00	0.617762	2.66
13D03909	16.0 %		0.0688780	1.49	0.0000000	0.00	0.0041434	5.58	0.0001248	7.04	15.55898	5.58	0.0128733	1.49	0.0000000	0.00	1.713947	0.18	0.0011171	13.98	0.5577188	7.10	142.4609	0.07	0.0105116	5.73	406.949	0.08	20.35345	1.49	0.0000000	0.00	0.544628	2.66
13D03910	18.0 %		0.0552975	1.73	0.0000000	0.00	0.0025077	8.91	0.0000779	11.50	9.41672	8.91	0.0103351	1.73	0.0000000	0.00	1.121397	0.18	0.0006761	15.61	0.3481494	11.54	93.2090	0.08	0.0063619	9.01	265.854	0.11	16.34042	1.73	0.0000000	0.00	0.356338	2.66
13D03912	21.0 %		0.0314957	2.85	0.0000000	0.00	0.0015269	14.78	0.0000503	17.13	5.73377	14.78	0.0058866	2.85	0.0000000	0.00	0.593850	0.19	0.0004117	19.56	0.2247170	17.15	49.3600	0.11	0.0038737	14.84	140.848	0.20	9.30699	2.85	0.0000000	0.00	0.188703	2.66
		Σ	1.1746597	0.44	0.0000000	0.00	0.1665556	0.76	0.0020849	2.32	625.44360	0.76	0.2195439	0.44	0.0000000	0.00	84.126018	0.03	0.0449069	2.51	9.3214477	2.33	6992.4377	0.01	0.4225497	0.80	20535.424	0.01	347.11193	0.44	0.0000000	0.00	26.732089	0.50
		Σ							1.3433002	0.40	625.44360	0.76									93.711916	0.23			6992.8602	0.01							20909.268	0.01

Additional Parameters			40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
13D03869	1.8 %		3.437694	0.002937	0.102563	0.009054	0.000575	0.000010	137.453	15.141438	1.00097122	1.593E-11
13D03871	2.0 %		3.135409	0.002264	0.094409	0.005021	0.000280	0.000005	137.469	15.146424	1.00097134	2.562E-11
13D03872	2.2 %		3.051856	0.002278	0.094512	0.005699	0.000214	0.000005	137.478	15.149125	1.00097140	2.242E-11
13D03874	2.4 %		3.022156	0.002392	0.083699	0.006525	0.000190	0.000006	137.496	15.154321	1.00097152	1.843E-11
13D03875	2.7 %	✓	3.000563	0.002074	0.085651	0.003585	0.000149	0.000004	137.504	15.156815	1.00097158	3.373E-11
13D03876	3.0 %	✓	2.992212	0.002070	0.087296	0.003879	0.000135	0.000004	137.512	15.159310	1.00097164	3.241E-11
13D03878	3.3 %	✓	2.986987	0.002047	0.082951	0.003558	0.000121	0.000004	137.530	15.164510	1.00097176	3.479E-11
13D03879	3.6 %	✓	2.982760	0.002056	0.083180	0.003694	0.000110	0.000004	137.539	15.167214	1.00097183	3.328E-11
13D03880	3.9 %	✓	2.983095	0.001990	0.080613	0.002913	0.000097	0.000003	137.547	15.169711	1.00097189	4.271E-11
13D03882	4.2 %	✓	2.983146	0.002009	0.082187	0.003128	0.000095	0.000003	137.565	15.174913	1.00097201	3.826E-11
13D03883	4.5 %	✓	2.984275	0.002045	0.081862	0.003498	0.000094	0.000003	137.573	15.177411	1.00097207	3.502E-11
13D03884	4.9 %	✓	2.981921	0.001979	0.080759	0.002676	0.000086	0.000003	137.582	15.180118	1.00097213	4.474E-11
13D03886	5.3 %	✓	2.979660	0.001987	0.082591	0.002756	0.000088	0.000003	137.599	15.185324	1.00097226	4.332E-11
13D03887	5.7 %	✓	2.976900	0.001984	0.082439	0.002778	0.000089	0.000003	137.608	15.187824	1.00097231	4.465E-11
13D03888	6.1 %		2.972919	0.001966	0.079799	0.002730	0.000099	0.000003	137.616	15.190324	1.00097237	4.647E-11
13D03890	6.5 %		2.970242	0.001979	0.085263	0.002841	0.000092	0.000003	137.633	15.195534	1.00097250	4.242E-11
13D03891	6.9 %		2.966517	0.001964	0.085580	0.002710	0.000116	0.000003	137.642	15.198244	1.00097256	4.524E-11
13D03892	7.3 %		2.967909	0.001995	0.087448	0.002941	0.000136	0.000003	137.651	15.200746	1.00097262	4.193E-11
13D03894	7.7 %		2.959390	0.001995	0.090283	0.003139	0.000134	0.000003	137.668	15.205959	1.00097274	3.888E-11
13D03895	8.1 %		2.949319	0.001999	0.089332	0.003165	0.000141	0.000003	137.676	15.208463	1.00097280	3.883E-11
13D03896	8.5 %		2.960850	0.002006	0.090732	0.003358	0.000191	0.000004	137.685	15.211175	1.00097286	3.591E-11
13D03898	9.0 %		2.952200	0.002036	0.092282	0.003587	0.000197	0.000004	137.703	15.216392	1.00097299	3.333E-11
13D03899	9.5 %		2.950072	0.002098	0.093225	0.004324	0.000206	0.000004	137.711	15.218897	1.00097304	2.830E-11
13D03900	10.3 %		2.952739	0.002027	0.099416	0.003522	0.000256	0.000004	137.720	15.221611	1.00097311	3.443E-11
13D03904	11.1 %		2.987433	0.002018	0.106047	0.003236	0.000381	0.000004	137.794	15.243967	1.00097363	3.772E-11
13D03905	11.9 %		2.998452	0.002167	0.107832	0.004692	0.000422	0.000006	137.809	15.248359	1.00097374	2.588E-11
13D03906	13.0 %		2.998792	0.002169	0.101145	0.005049	0.000451	0.000006	137.818	15.251078	1.00097380	2.446E-11
13D03908	14.3 %		2.996310	0.002229	0.105426	0.005354	0.000477	0.000006	137.835	15.256100	1.00097392	2.324E-11
13D03909	16.0 %		3.003038	0.002282	0.109208	0.006091	0.000513	0.000007	137.844	15.258821	1.00097398	2.054E-11
13D03910	18.0 %		3.031157	0.002643	0.101021	0.009003	0.000621	0.000010	137.852	15.261332	1.00097404	1.356E-11
13D03912	21.0 %		3.045615	0.003934	0.116153	0.017166	0.000670	0.000018	137.869	15.266567	1.00097416	7.216E-12

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
13D03869	1.8 %	0.0162972 ± 0.0006261	0.0035815 ± 0.0453660	0.0215227 ± 0.0270902	0.0154786 ± 0.0312903	4.6603519 ± 0.1021987
13D03871	2.0 %	0.0158543 ± 0.0006261	0.0010714 ± 0.0453660	0.0234773 ± 0.0270902	0.0086698 ± 0.0312903	4.6076097 ± 0.1021987
13D03872	2.2 %	0.0156733 ± 0.0006261	0.0006556 ± 0.0453660	0.0241235 ± 0.0270902	0.0061054 ± 0.0312903	4.5822039 ± 0.1021987
13D03874	2.4 %	0.0154198 ± 0.0006261	0.0044639 ± 0.0453660	0.0246882 ± 0.0270902	0.0030290 ± 0.0312903	4.5385219 ± 0.1021987
13D03875	2.7 %	0.0153347 ± 0.0006261	0.0064371 ± 0.0453660	0.0246906 ± 0.0270902	0.0022917 ± 0.0312903	4.5196010 ± 0.1021987
13D03876	3.0 %	0.0152688 ± 0.0006261	0.0084564 ± 0.0453660	0.0245475 ± 0.0270902	0.0019580 ± 0.0312903	4.5017879 ± 0.1021987
13D03878	3.3 %	0.0151800 ± 0.0006261	0.0126719 ± 0.0453660	0.0238671 ± 0.0270902	0.0023347 ± 0.0312903	4.4675934 ± 0.1021987
13D03879	3.6 %	0.0151530 ± 0.0006261	0.0147999 ± 0.0453660	0.0233523 ± 0.0270902	0.0029897 ± 0.0312903	4.4510499 ± 0.1021987
13D03880	3.9 %	0.0151361 ± 0.0006261	0.0166880 ± 0.0453660	0.0228037 ± 0.0270902	0.0038099 ± 0.0312903	4.4363540 ± 0.1021987
13D03882	4.2 %	0.0151153 ± 0.0006261	0.0202877 ± 0.0453660	0.0215015 ± 0.0270902	0.0060083 ± 0.0312903	4.4070339 ± 0.1021987
13D03883	4.5 %	0.0151079 ± 0.0006261	0.0218151 ± 0.0453660	0.0208288 ± 0.0270902	0.0072244 ± 0.0312903	4.3933841 ± 0.1021987
13D03884	4.9 %	0.0150990 ± 0.0006261	0.0232977 ± 0.0453660	0.0200847 ± 0.0270902	0.0086100 ± 0.0312903	4.3787782 ± 0.1021987
13D03886	5.3 %	0.0150722 ± 0.0006261	0.0255888 ± 0.0453660	0.0186576 ± 0.0270902	0.0113499 ± 0.0312903	4.3509122 ± 0.1021987
13D03887	5.7 %	0.0150521 ± 0.0006261	0.0264064 ± 0.0453660	0.0179946 ± 0.0270902	0.0126505 ± 0.0312903	4.3375230 ± 0.1021987
13D03888	6.1 %	0.0150258 ± 0.0006261	0.0270322 ± 0.0453660	0.0173566 ± 0.0270902	0.0139151 ± 0.0312903	4.3240674 ± 0.1021987
13D03890	6.5 %	0.0149477 ± 0.0006261	0.0277073 ± 0.0453660	0.0161359 ± 0.0270902	0.0163687 ± 0.0312903	4.2957003 ± 0.1021987
13D03891	6.9 %	0.0148934 ± 0.0006261	0.0277228 ± 0.0453660	0.0155710 ± 0.0270902	0.0175213 ± 0.0312903	4.2807345 ± 0.1021987
13D03892	7.3 %	0.0148346 ± 0.0006261	0.0275380 ± 0.0453660	0.0150972 ± 0.0270902	0.0184997 ± 0.0312903	4.2667850 ± 0.1021987
13D03894	7.7 %	0.0146849 ± 0.0006261	0.0265691 ± 0.0453660	0.0142657 ± 0.0270902	0.0202617 ± 0.0312903	4.2373621 ± 0.1021987
13D03895	8.1 %	0.0146005 ± 0.0006261	0.0258443 ± 0.0453660	0.0139427 ± 0.0270902	0.0209767 ± 0.0312903	4.2231168 ± 0.1021987
13D03896	8.5 %	0.0145005 ± 0.0006261	0.0248890 ± 0.0453660	0.0136472 ± 0.0270902	0.0216632 ± 0.0312903	4.2076527 ± 0.1021987
13D03898	9.0 %	0.0142868 ± 0.0006261	0.0226302 ± 0.0453660	0.0132273 ± 0.0270902	0.0227682 ± 0.0312903	4.1780589 ± 0.1021987
13D03899	9.5 %	0.0141762 ± 0.0006261	0.0213905 ± 0.0453660	0.0130870 ± 0.0270902	0.0232262 ± 0.0312903	4.1640589 ± 0.1021987
13D03900	10.3 %	0.0140525 ± 0.0006261	0.0199690 ± 0.0453660	0.0129716 ± 0.0270902	0.0236958 ± 0.0312903	4.1491628 ± 0.1021987
13D03904	11.1 %	0.0131713 ± 0.0006261	0.0100932 ± 0.0453660	0.0120656 ± 0.0270902	0.0308510 ± 0.0312903	4.0549235 ± 0.1021987
13D03905	11.9 %	0.0131140 ± 0.0006261	0.0099103 ± 0.0453660	0.0114587 ± 0.0270902	0.0342549 ± 0.0312903	4.0474368 ± 0.1021987
13D03906	13.0 %	0.0131153 ± 0.0006261	0.0103564 ± 0.0453660	0.0109200 ± 0.0270902	0.0369630 ± 0.0312903	4.0456312 ± 0.1021987
13D03908	14.3 %	0.0132094 ± 0.0006261	0.0125673 ± 0.0453660	0.0095036 ± 0.0270902	0.0434444 ± 0.0312903	4.0489865 ± 0.1021987
13D03909	16.0 %	0.0133190 ± 0.0006261	0.0146476 ± 0.0453660	0.0084601 ± 0.0270902	0.0478963 ± 0.0312903	4.0549296 ± 0.1021987
13D03910	18.0 %	0.0134626 ± 0.0006261	0.0172026 ± 0.0453660	0.0072935 ± 0.0270902	0.0526827 ± 0.0312903	4.0633133 ± 0.1021987
13D03912	21.0 %	0.0139117 ± 0.0006261	0.0247646 ± 0.0453660	0.0041309 ± 0.0270902	0.0650446 ± 0.0312903	4.0908015 ± 0.1021987

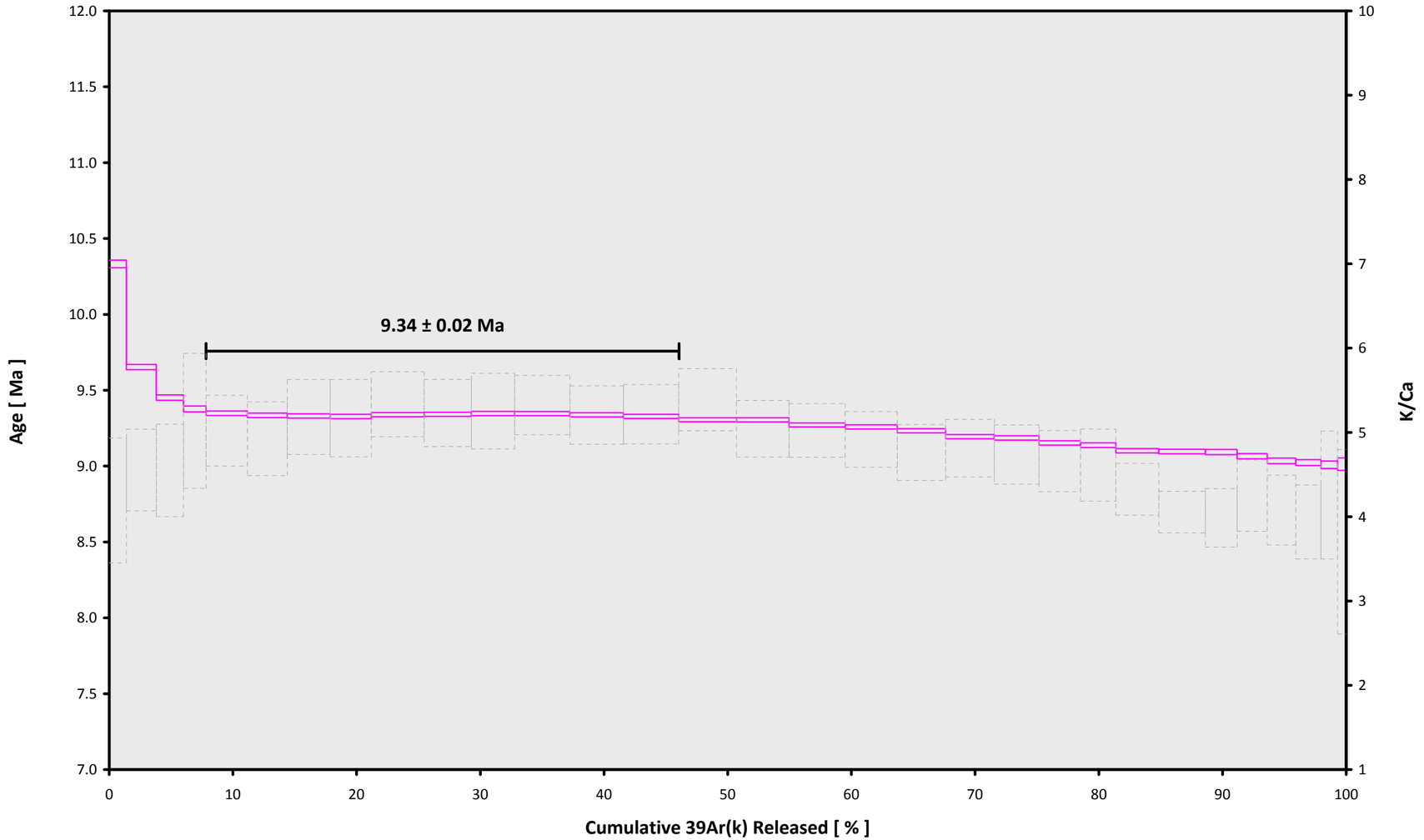
Intercept Values		36Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	37Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	38Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	39Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	40Ar ± 1σ (SE) [fA]	r2	Regression (type,n)
13D03869	1.8 %	0.0703861 ± 0.0006255	0.0719	EXP 150 of 150	0.6386254 ± 0.0338871	0.0143	EXP 150 of 150	1.1529100 ± 0.0236714	0.0743	EXP 150 of 150	95.884371 ± 0.032115	0.9978	EXP 150 of 150	337.26419 ± 0.05206	0.9994	EXP 150 of 150
13D03871	2.0 %	0.0623260 ± 0.0005989	0.4099	EXP 150 of 150	1.0409938 ± 0.0315130	0.0165	EXP 150 of 150	1.9703881 ± 0.0260016	0.0616	EXP 150 of 150	169.059773 ± 0.036009	0.9991	EXP 150 of 150	539.53468 ± 0.06039	0.9997	EXP 150 of 150
13D03872	2.2 %	0.0475547 ± 0.0005114	0.5022	EXP 150 of 150	0.9382791 ± 0.0334947	0.0399	EXP 150 of 150	1.8534622 ± 0.0272139	0.2201	EXP 150 of 150	151.975623 ± 0.036662	0.9988	EXP 150 of 150	472.64377 ± 0.05993	0.9996	EXP 150 of 150
13D03874	2.4 %	0.0390135 ± 0.0004998	0.5369	EXP 150 of 150	0.6936004 ± 0.0286171	0.0010	EXP 147 of 150	1.4724957 ± 0.0300440	0.0596	EXP 149 of 150	126.170543 ± 0.036492	0.9983	EXP 150 of 150	389.34908 ± 0.05197	0.9996	EXP 150 of 150
13D03875	2.7 %	0.0492571 ± 0.0005991	0.5939	EXP 150 of 150	1.3061932 ± 0.0294956	0.1088	EXP 149 of 150	2.7890632 ± 0.0278056	0.3088	EXP 150 of 150	232.578647 ± 0.045379	0.9992	EXP 150 of 150	708.80860 ± 0.06367	0.9998	EXP 150 of 150
13D03876	3.0 %	0.0450348 ± 0.0005225	0.7042	EXP 150 of 150	1.2846201 ± 0.0335680	0.0679	EXP 150 of 150	2.7261945 ± 0.0301397	0.2858	EXP 150 of 150	224.090531 ± 0.041816	0.9993	EXP 150 of 150	681.19940 ± 0.06445	0.9998	EXP 150 of 150
13D03878	3.3 %	0.0437256 ± 0.0005895	0.6685	EXP 150 of 150	1.3163874 ± 0.0321969	0.0628	EXP 150 of 150	2.8720339 ± 0.0302278	0.2655	EXP 150 of 150	241.001420 ± 0.044516	0.9993	EXP 150 of 150	730.96048 ± 0.05844	0.9998	EXP 150 of 150
13D03879	3.6 %	0.0400997 ± 0.0005558	0.6784	EXP 150 of 150	1.2669520 ± 0.0316787	0.0646	EXP 150 of 150	2.7831322 ± 0.0259490	0.2764	EXP 149 of 150	230.873192 ± 0.042586	0.9993	EXP 150 of 150	699.42543 ± 0.06403	0.9998	EXP 150 of 150
13D03880	3.9 %	0.0433891 ± 0.0005652	0.7468	EXP 150 of 150	1.5732257 ± 0.0325325	0.0588	EXP 149 of 150	3.5875637 ± 0.0269747	0.4065	EXP 150 of 150	296.185580 ± 0.044727	0.9995	EXP 150 of 150	896.11450 ± 0.06645	0.9999	EXP 150 of 150
13D03882	4.2 %	0.0399653 ± 0.0005325	0.7732	EXP 150 of 150	1.4416035 ± 0.0287967	0.0964	EXP 150 of 150	3.1775143 ± 0.0290752	0.3058	EXP 150 of 150	265.367034 ± 0.040434	0.9995	EXP 150 of 150	803.31053 ± 0.07023	0.9998	EXP 150 of 150
13D03883	4.5 %	0.0375919 ± 0.0004861	0.7903	EXP 150 of 150	1.3167461 ± 0.0311556	0.0639	EXP 150 of 150	2.9112157 ± 0.0248880	0.2989	EXP 150 of 150	242.772726 ± 0.043577	0.9994	EXP 150 of 150	735.54695 ± 0.06861	0.9998	EXP 150 of 150
13D03884	4.9 %	0.0414070 ± 0.0005485	0.8037	EXP 150 of 150	1.6565629 ± 0.0286188	0.1175	EXP 150 of 150	3.8242279 ± 0.0290139	0.3607	EXP 150 of 150	310.439896 ± 0.044218	0.9996	EXP 150 of 150	938.58854 ± 0.06931	0.9999	EXP 150 of 150
13D03886	5.3 %	0.0410591 ± 0.0005103	0.8028	EXP 150 of 150	1.6433602 ± 0.0284042	0.1371	EXP 150 of 150	3.6718812 ± 0.0279581	0.4197	EXP 150 of 150	300.781843 ± 0.045522	0.9995	EXP 150 of 150	908.80119 ± 0.06867	0.9999	EXP 150 of 150
13D03887	5.7 %	0.0423064 ± 0.0005699	0.7817	EXP 150 of 150	1.6920061 ± 0.0322487	0.0795	EXP 150 of 150	3.8498744 ± 0.0283720	0.3953	EXP 150 of 150	310.296693 ± 0.045669	0.9996	EXP 150 of 150	936.53194 ± 0.08170	0.9998	EXP 150 of 150
13D03888	6.1 %	0.0464830 ± 0.0005413	0.7895	EXP 150 of 150	1.7070736 ± 0.0345093	0.0196	EXP 150 of 150	4.1081674 ± 0.0297676	0.3590	EXP 150 of 150	323.397143 ± 0.044648	0.9996	EXP 150 of 150	974.57363 ± 0.07226	0.9999	EXP 150 of 150
13D03890	6.5 %	0.0416434 ± 0.0005519	0.7854	EXP 150 of 150	1.6671492 ± 0.0295599	0.1277	EXP 150 of 150	3.7739551 ± 0.0287150	0.3682	EXP 150 of 150	295.462801 ± 0.042354	0.9996	EXP 150 of 150	889.92806 ± 0.07189	0.9998	EXP 150 of 150
13D03891	6.9 %	0.0508293 ± 0.0006775	0.6709	EXP 149 of 150	1.7847180 ± 0.0312939	0.1596	EXP 149 of 150	4.1628260 ± 0.0293788	0.4020	EXP 150 of 150	315.531381 ± 0.042720	0.9996	EXP 150 of 150	948.88131 ± 0.07380	0.9999	EXP 150 of 150
13D03892	7.3 %	0.0538119 ± 0.0005910	0.7480	EXP 150 of 150	1.6903042 ± 0.0318642	0.0805	EXP 150 of 150	3.8896548 ± 0.0307403	0.3087	EXP 150 of 150	292.280925 ± 0.047922	0.9995	EXP 150 of 150	879.66683 ± 0.07495	0.9998	EXP 150 of 150
13D03894	7.7 %	0.0505356 ± 0.0006601	0.6792	EXP 150 of 150	1.6224995 ± 0.0311859	0.0798	EXP 150 of 150	3.7327846 ± 0.0276107	0.3827	EXP 150 of 150	271.819694 ± 0.043020	0.9995	EXP 150 of 150	816.00880 ± 0.07123	0.9998	EXP 150 of 150
13D03895	8.1 %	0.0524220 ± 0.0006455	0.6682	EXP 150 of 150	1.6079210 ± 0.0321976	0.0510	EXP 150 of 150	3.8250587 ± 0.0280529	0.4252	EXP 149 of 150	272.374164 ± 0.047081	0.9994	EXP 150 of 150	814.88025 ± 0.07342	0.9998	EXP 150 of 150
13D03896	8.5 %	0.0614687 ± 0.0006114	0.6514	EXP 150 of 150	1.5049962 ± 0.0300063	0.0238	EXP 150 of 150	3.5670147 ± 0.0281574	0.3710	EXP 150 of 150	250.932228 ± 0.038692	0.9995	EXP 150 of 150	753.96103 ± 0.06969	0.9998	EXP 150 of 150
13D03898	9.0 %	0.0594545 ± 0.0005459	0.6480	EXP 149 of 150	1.4234038 ± 0.0294881	0.0193	EXP 150 of 150	3.3765150 ± 0.0279035	0.2856	EXP 150 of 150	233.576750 ± 0.042796	0.9993	EXP 150 of 150	700.02892 ± 0.06917	0.9998	EXP 150 of 150
13D03899	9.5 %	0.0543832 ± 0.0005875	0.5673	EXP 150 of 150	1.2236797 ± 0.0319914	0.0288	EXP 150 of 150	2.8821032 ± 0.0259770	0.3158	EXP 150 of 150	198.488689 ± 0.043237	0.9990	EXP 150 of 150	595.04607 ± 0.06181	0.9997	EXP 150 of 150
13D03900	10.3 %	0.0747032 ± 0.0007006	0.4352	EXP 150 of 150	1.5779859 ± 0.0306759	0.0748	EXP 150 of 150	3.6406821 ± 0.0285716	0.3763	EXP 150 of 150	241.237464 ± 0.044258	0.9993	EXP 150 of 150	722.95303 ± 0.06505	0.9998	EXP 150 of 150
13D03904	11.1 %	0.1108606 ± 0.0008618	0.1553	EXP 150 of 150	1.8072970 ± 0.0297816	0.2609	EXP 150 of 150	4.0825495 ± 0.0272009	0.5065	EXP 150 of 150	261.259772 ± 0.041006	0.9995	EXP 150 of 150	791.64965 ± 0.07094	0.9998	EXP 150 of 150
13D03905	11.9 %	0.0870798 ± 0.0007459	0.2031	EXP 150 of 150	1.2585746 ± 0.0293895	0.1158	EXP 150 of 150	2.7180603 ± 0.0266225	0.3090	EXP 150 of 150	178.578165 ± 0.040063	0.9990	EXP 150 of 150	544.33572 ± 0.06112	0.9997	EXP 150 of 150
13D03906	13.0 %	0.0877999 ± 0.0006948	0.1604	EXP 149 of 150	1.1173056 ± 0.0311750	0.0000	EXP 150 of 150	2.6084663 ± 0.0295792	0.1615	EXP 150 of 150	168.812601 ± 0.035830	0.9991	EXP 150 of 150	514.83229 ± 0.05433	0.9997	EXP 150 of 150
13D03908	14.3 %	0.0883203 ± 0.0007559	0.1360	EXP 150 of 150	1.1093130 ± 0.0319491	0.0060	EXP 150 of 150	2.4881229 ± 0.0275032	0.1912	EXP 150 of 150	160.525509 ± 0.040790	0.9987	EXP 150 of 150	489.33388 ± 0.05716	0.9997	EXP 150 of 150
13D03909	16.0 %	0.0846252 ± 0.0007210	0.1031	EXP 149 of 150	1.0160625 ± 0.0322883	0.0188	EXP 150 of 150	2.2498794 ± 0.0269942	0.1958	EXP 150 of 150	141.531638 ± 0.035927	0.9987	EXP 150 of 150	432.85110 ± 0.05200	0.9996	EXP 150 of 150
13D03910	18.0 %	0.0698896 ± 0.0006369	0.0775	EXP 150 of 150	0.6231868 ± 0.0291747	0.0062	EXP 150 of 150	1.4555693 ± 0.0285244	0.0643	EXP 150 of 150	92.621794 ± 0.028465	0.9981	EXP 150 of 150	287.24040 ± 0.04808	0.9992	EXP 150 of 150
13D03912	21.0 %	0.0461527 ± 0.0005620	0.1263	EXP 150 of 150	0.3936175 ± 0.0301799	0.0127	EXP 150 of 150	0.8108762 ± 0.0265647	0.0830	EXP 150 of 150	49.086695 ± 0.028440	0.9934	EXP 150 of 150	154.76768 ± 0.04052	0.9978	EXP 150 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
13D03869	1.8 %	Susan Schnur	13-OSU-05			19.37	Walvis Ridge\MV1203 (13-INT-04)	13D03867	01
13D03871	2.0 %	Susan Schnur	13-OSU-05			19.37	Walvis Ridge\MV1203 (13-INT-04)	13D03867	01
13D03872	2.2 %	Susan Schnur	13-OSU-05			19.37	Walvis Ridge\MV1203 (13-INT-04)	13D03867	01
13D03874	2.4 %	Susan Schnur	13-OSU-05			19.37	Walvis Ridge\MV1203 (13-INT-04)	13D03867	01
13D03875	2.7 %	Susan Schnur	13-OSU-05			19.37	Walvis Ridge\MV1203 (13-INT-04)	13D03867	01
13D03876	3.0 %	Susan Schnur	13-OSU-05			19.37	Walvis Ridge\MV1203 (13-INT-04)	13D03867	01
13D03878	3.3 %	Susan Schnur	13-OSU-05			19.37	Walvis Ridge\MV1203 (13-INT-04)	13D03867	01
13D03879	3.6 %	Susan Schnur	13-OSU-05			19.37	Walvis Ridge\MV1203 (13-INT-04)	13D03867	01
13D03880	3.9 %	Susan Schnur	13-OSU-05			19.37	Walvis Ridge\MV1203 (13-INT-04)	13D03867	01
13D03882	4.2 %	Susan Schnur	13-OSU-05			19.37	Walvis Ridge\MV1203 (13-INT-04)	13D03867	01
13D03883	4.5 %	Susan Schnur	13-OSU-05			19.37	Walvis Ridge\MV1203 (13-INT-04)	13D03867	01
13D03884	4.9 %	Susan Schnur	13-OSU-05			19.37	Walvis Ridge\MV1203 (13-INT-04)	13D03867	01
13D03886	5.3 %	Susan Schnur	13-OSU-05			19.37	Walvis Ridge\MV1203 (13-INT-04)	13D03867	01
13D03887	5.7 %	Susan Schnur	13-OSU-05			19.37	Walvis Ridge\MV1203 (13-INT-04)	13D03867	01
13D03888	6.1 %	Susan Schnur	13-OSU-05			19.37	Walvis Ridge\MV1203 (13-INT-04)	13D03867	01
13D03890	6.5 %	Susan Schnur	13-OSU-05			19.37	Walvis Ridge\MV1203 (13-INT-04)	13D03867	01
13D03891	6.9 %	Susan Schnur	13-OSU-05			19.37	Walvis Ridge\MV1203 (13-INT-04)	13D03867	01
13D03892	7.3 %	Susan Schnur	13-OSU-05			19.37	Walvis Ridge\MV1203 (13-INT-04)	13D03867	01
13D03894	7.7 %	Susan Schnur	13-OSU-05			19.37	Walvis Ridge\MV1203 (13-INT-04)	13D03867	01
13D03895	8.1 %	Susan Schnur	13-OSU-05			19.37	Walvis Ridge\MV1203 (13-INT-04)	13D03867	01
13D03896	8.5 %	Susan Schnur	13-OSU-05			19.37	Walvis Ridge\MV1203 (13-INT-04)	13D03867	01
13D03898	9.0 %	Susan Schnur	13-OSU-05			19.37	Walvis Ridge\MV1203 (13-INT-04)	13D03867	01
13D03899	9.5 %	Susan Schnur	13-OSU-05			19.37	Walvis Ridge\MV1203 (13-INT-04)	13D03867	01
13D03900	10.3 %	Susan Schnur	13-OSU-05			19.37	Walvis Ridge\MV1203 (13-INT-04)	13D03867	01
13D03904	11.1 %	Susan Schnur	13-OSU-05			19.37	Walvis Ridge\MV1203 (13-INT-04)	13D03867	01
13D03905	11.9 %	Susan Schnur	13-OSU-05			19.37	Walvis Ridge\MV1203 (13-INT-04)	13D03867	01
13D03906	13.0 %	Susan Schnur	13-OSU-05			19.37	Walvis Ridge\MV1203 (13-INT-04)	13D03867	01
13D03908	14.3 %	Susan Schnur	13-OSU-05			19.37	Walvis Ridge\MV1203 (13-INT-04)	13D03867	01
13D03909	16.0 %	Susan Schnur	13-OSU-05			19.37	Walvis Ridge\MV1203 (13-INT-04)	13D03867	01
13D03910	18.0 %	Susan Schnur	13-OSU-05			19.37	Walvis Ridge\MV1203 (13-INT-04)	13D03867	01
13D03912	21.0 %	Susan Schnur	13-OSU-05			19.37	Walvis Ridge\MV1203 (13-INT-04)	13D03867	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
13D03869	1.8 %	MV1203-D42-17 (Dark)	Groundmass	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.97572	0.129	0.00175110	0.129	302.728	0.095	0.99402323	0.063	1	4.8E-14	6	NOV	2013	8	28	1
13D03871	2.0 %	MV1203-D42-17 (Dark)	Groundmass	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.97572	0.129	0.00175110	0.129	302.728	0.095	0.99402323	0.063	1	4.8E-14	6	NOV	2013	8	52	1
13D03872	2.2 %	MV1203-D42-17 (Dark)	Groundmass	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.97572	0.129	0.00175110	0.129	302.728	0.095	0.99402323	0.063	1	4.8E-14	6	NOV	2013	9	5	1
13D03874	2.4 %	MV1203-D42-17 (Dark)	Groundmass	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.97572	0.129	0.00175110	0.129	302.728	0.095	0.99402323	0.063	1	4.8E-14	6	NOV	2013	9	30	1
13D03875	2.7 %	MV1203-D42-17 (Dark)	Groundmass	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.97572	0.129	0.00175110	0.129	302.728	0.095	0.99402323	0.063	1	4.8E-14	6	NOV	2013	9	42	1
13D03876	3.0 %	MV1203-D42-17 (Dark)	Groundmass	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.97572	0.129	0.00175110	0.129	302.728	0.095	0.99402323	0.063	1	4.8E-14	6	NOV	2013	9	54	1
13D03878	3.3 %	MV1203-D42-17 (Dark)	Groundmass	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.97572	0.129	0.00175110	0.129	302.728	0.095	0.99402323	0.063	1	4.8E-14	6	NOV	2013	10	19	1
13D03879	3.6 %	MV1203-D42-17 (Dark)	Groundmass	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.97572	0.129	0.00175110	0.129	302.728	0.095	0.99402323	0.063	1	4.8E-14	6	NOV	2013	10	32	1
13D03880	3.9 %	MV1203-D42-17 (Dark)	Groundmass	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.97572	0.129	0.00175110	0.129	302.728	0.095	0.99402323	0.063	1	4.8E-14	6	NOV	2013	10	44	1
13D03882	4.2 %	MV1203-D42-17 (Dark)	Groundmass	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.97572	0.129	0.00175110	0.129	302.728	0.095	0.99402323	0.063	1	4.8E-14	6	NOV	2013	11	9	1
13D03883	4.5 %	MV1203-D42-17 (Dark)	Groundmass	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.97572	0.129	0.00175110	0.129	302.728	0.095	0.99402323	0.063	1	4.8E-14	6	NOV	2013	11	21	1
13D03884	4.9 %	MV1203-D42-17 (Dark)	Groundmass	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.97572	0.129	0.00175110	0.129	302.728	0.095	0.99402323	0.063	1	4.8E-14	6	NOV	2013	11	34	1
13D03886	5.3 %	MV1203-D42-17 (Dark)	Groundmass	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.97572	0.129	0.00175110	0.129	302.728	0.095	0.99402323	0.063	1	4.8E-14	6	NOV	2013	11	59	1
13D03887	5.7 %	MV1203-D42-17 (Dark)	Groundmass	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.97572	0.129	0.00175110	0.129	302.728	0.095	0.99402323	0.063	1	4.8E-14	6	NOV	2013	12	11	1
13D03888	6.1 %	MV1203-D42-17 (Dark)	Groundmass	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.97572	0.129	0.00175110	0.129	302.728	0.095	0.99402323	0.063	1	4.8E-14	6	NOV	2013	12	23	1
13D03890	6.5 %	MV1203-D42-17 (Dark)	Groundmass	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.97572	0.129	0.00175110	0.129	302.728	0.095	0.99402323	0.063	1	4.8E-14	6	NOV	2013	12	48	1
13D03891	6.9 %	MV1203-D42-17 (Dark)	Groundmass	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.97572	0.129	0.00175110	0.129	302.728	0.095	0.99402323	0.063	1	4.8E-14	6	NOV	2013	13	1	1
13D03892	7.3 %	MV1203-D42-17 (Dark)	Groundmass	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.97572	0.129	0.00175110	0.129	302.728	0.095	0.99402323	0.063	1	4.8E-14	6	NOV	2013	13	13	1
13D03894	7.7 %	MV1203-D42-17 (Dark)	Groundmass	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.97572	0.129	0.00175110	0.129	302.728	0.095	0.99402323	0.063	1	4.8E-14	6	NOV	2013	13	38	1
13D03895	8.1 %	MV1203-D42-17 (Dark)	Groundmass	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.97572	0.129	0.00175110	0.129	302.728	0.095	0.99402323	0.063	1	4.8E-14	6	NOV	2013	13	50	1
13D03896	8.5 %	MV1203-D42-17 (Dark)	Groundmass	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.97572	0.129	0.00175110	0.129	302.728	0.095	0.99402323	0.063	1	4.8E-14	6	NOV	2013	14	3	1
13D03898	9.0 %	MV1203-D42-17 (Dark)	Groundmass	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.97572	0.129	0.00175110	0.129	302.728	0.095	0.99402323	0.063	1	4.8E-14	6	NOV	2013	14	28	1
13D03899	9.5 %	MV1203-D42-17 (Dark)	Groundmass	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.97572	0.129	0.00175110	0.129	302.728	0.095	0.99402323	0.063	1	4.8E-14	6	NOV	2013	14	40	1
13D03900	10.3 %	MV1203-D42-17 (Dark)	Groundmass	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.97572	0.129	0.00175110	0.129	302.728	0.095	0.99402323	0.063	1	4.8E-14	6	NOV	2013	14	53	1
13D03904	11.1 %	MV1203-D42-17 (Dark)	Groundmass	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.97572	0.129	0.00175110	0.129	302.728	0.095	0.99402323	0.063	1	4.8E-14	6	NOV	2013	16	40	1
13D03905	11.9 %	MV1203-D42-17 (Dark)	Groundmass	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.97572	0.129	0.00175110	0.129	302.728	0.095	0.99402323	0.063	1	4.8E-14	6	NOV	2013	17	1	1
13D03906	13.0 %	MV1203-D42-17 (Dark)	Groundmass	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.97572	0.129	0.00175110	0.129	302.728	0.095	0.99402323	0.063	1	4.8E-14	6	NOV	2013	17	14	1
13D03908	14.3 %	MV1203-D42-17 (Dark)	Groundmass	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.97572	0.129	0.00175110	0.129	302.728	0.095	0.99402323	0.063	1	4.8E-14	6	NOV	2013	17	38	1
13D03909	16.0 %	MV1203-D42-17 (Dark)	Groundmass	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.97572	0.129	0.00175110	0.129	302.728	0.095	0.99402323	0.063	1	4.8E-14	6	NOV	2013	17	51	1
13D03910	18.0 %	MV1203-D42-17 (Dark)	Groundmass	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.97572	0.129	0.00175110	0.129	302.728	0.095	0.99402323	0.063	1	4.8E-14	6	NOV	2013	18	3	1
13D03912	21.0 %	MV1203-D42-17 (Dark)	Groundmass	Esk Guyot	FCT-NM	28.201	0.082	Kuiper et al (2008)	8.97572	0.129	0.00175110	0.129	302.728	0.095	0.99402323	0.063	1	4.8E-14	6	NOV	2013	18	28	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
13D03869	1.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D03871	2.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D03872	2.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D03874	2.4 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D03875	2.7 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D03876	3.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D03878	3.3 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D03879	3.6 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D03880	3.9 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D03882	4.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D03883	4.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D03884	4.9 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D03886	5.3 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D03887	5.7 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D03888	6.1 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D03890	6.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D03891	6.9 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D03892	7.3 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D03894	7.7 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D03895	8.1 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D03896	8.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D03898	9.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D03899	9.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D03900	10.3 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D03904	11.1 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D03905	11.9 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D03906	13.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D03908	14.3 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D03909	16.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D03910	18.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
13D03912	21.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0

13D03867.AGE >>> MV1203-D42-17 (DARK) >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
9.34 ± 0.02
TOTAL FUSION
9.28 ± 0.02
NORMAL ISOCHRON
9.34 ± 0.03
INVERSE ISOCHRON
9.34 ± 0.03

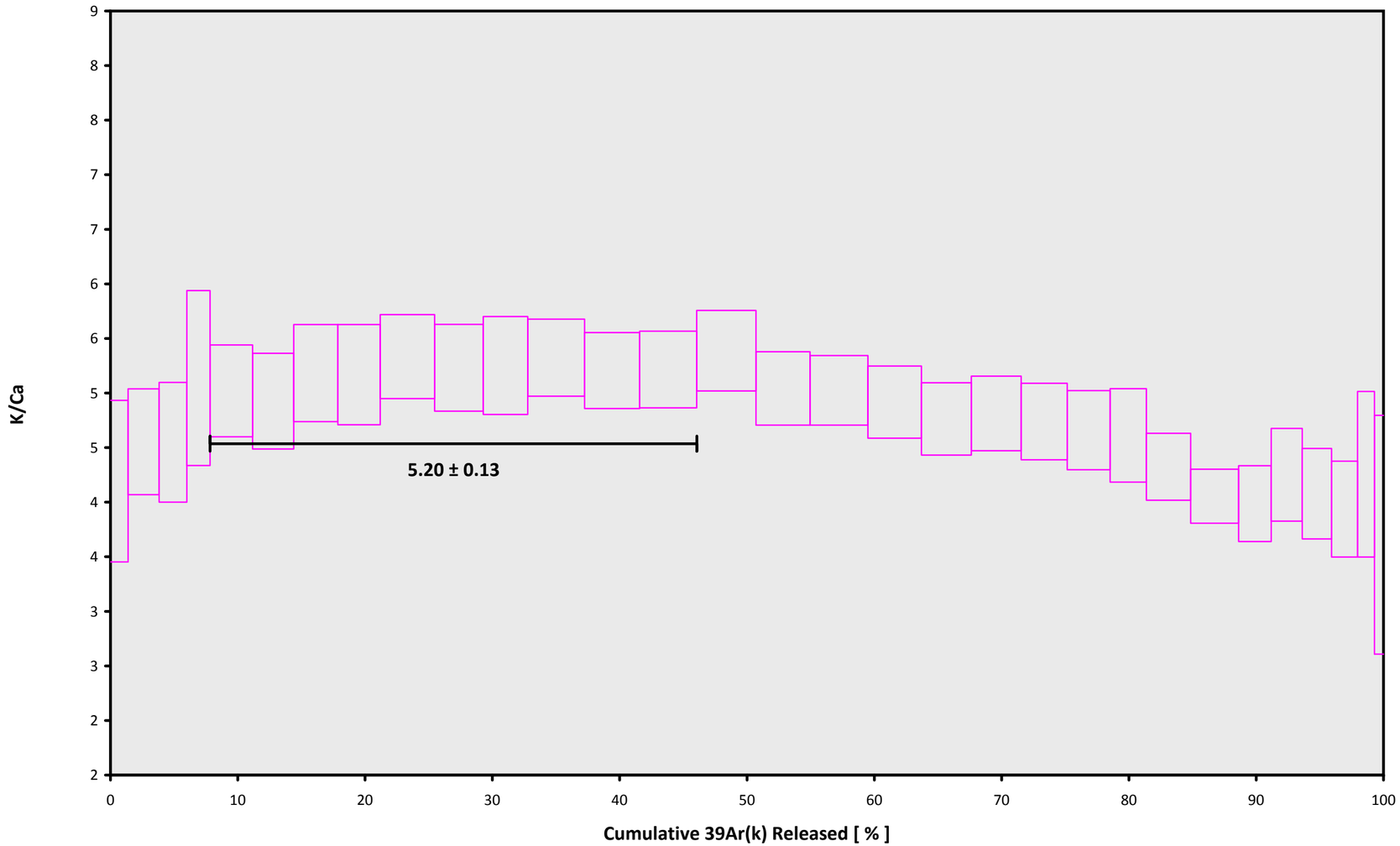
MSWD (PROBABILITY)
1.18 (30%)

Sample Info

Groundmass
Esk Guyot
Susan Schnur

IRR = 13-OSU-05
J = 0.00175110 ± 0.00000226

13D03867.AGE >>> MV1203-D42-17 (DARK) >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

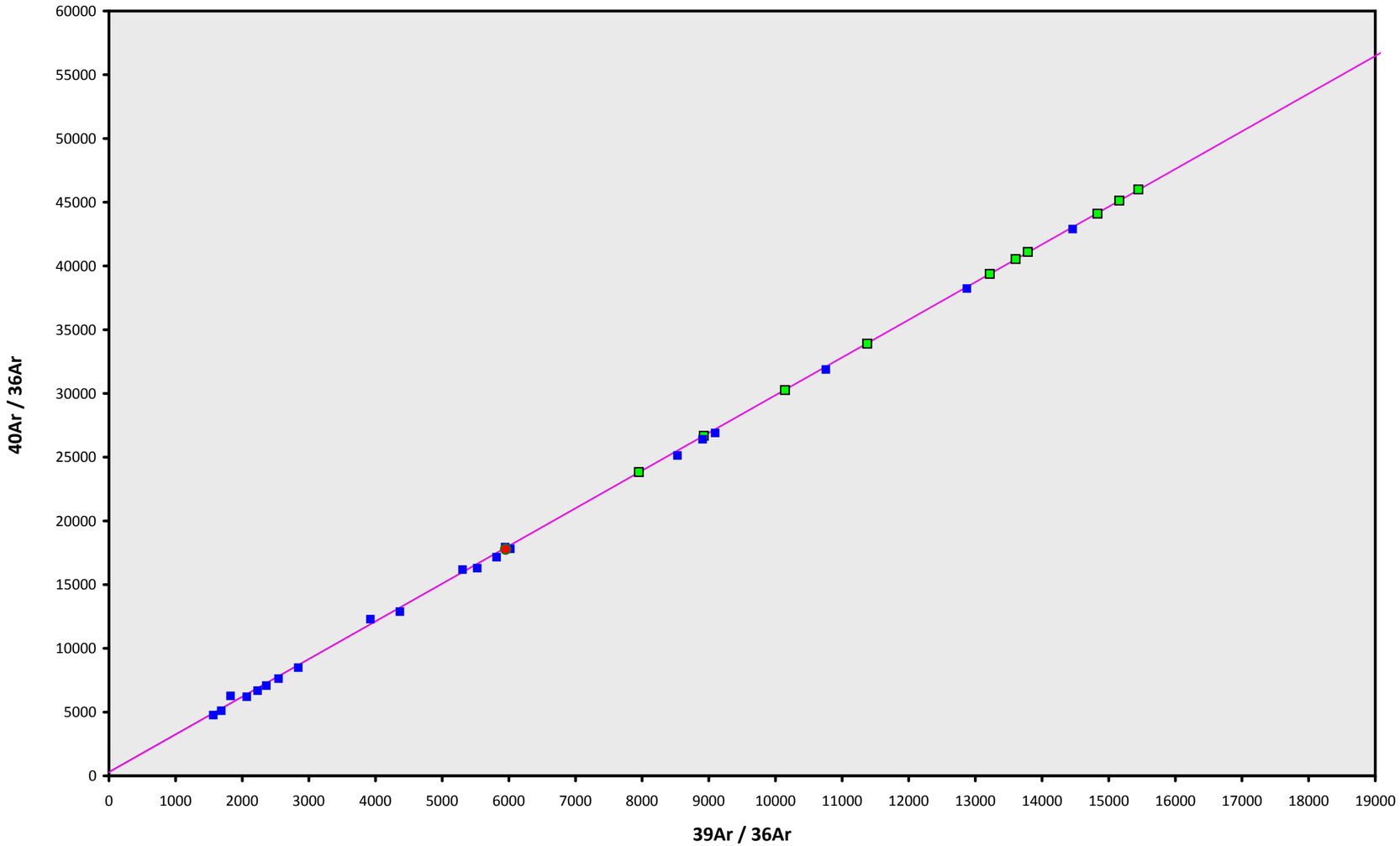
WEIGHTED PLATEAU
9.34 ± 0.02
TOTAL FUSION
9.28 ± 0.02
NORMAL ISOCHRON
9.34 ± 0.03
INVERSE ISOCHRON
9.34 ± 0.03

Sample Info

Groundmass
Esk Guyot
Susan Schnur

IRR = 13-OSU-05
J = 0.00175110 ± 0.00000226

13D03867.AGE >>> MV1203-D42-17 (DARK) >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
9.34 ± 0.02
TOTAL FUSION
9.28 ± 0.02
NORMAL ISOCHRON
9.34 ± 0.03
INVERSE ISOCHRON
9.34 ± 0.03

MSWD (PROBABILITY)
1.40 (19%)

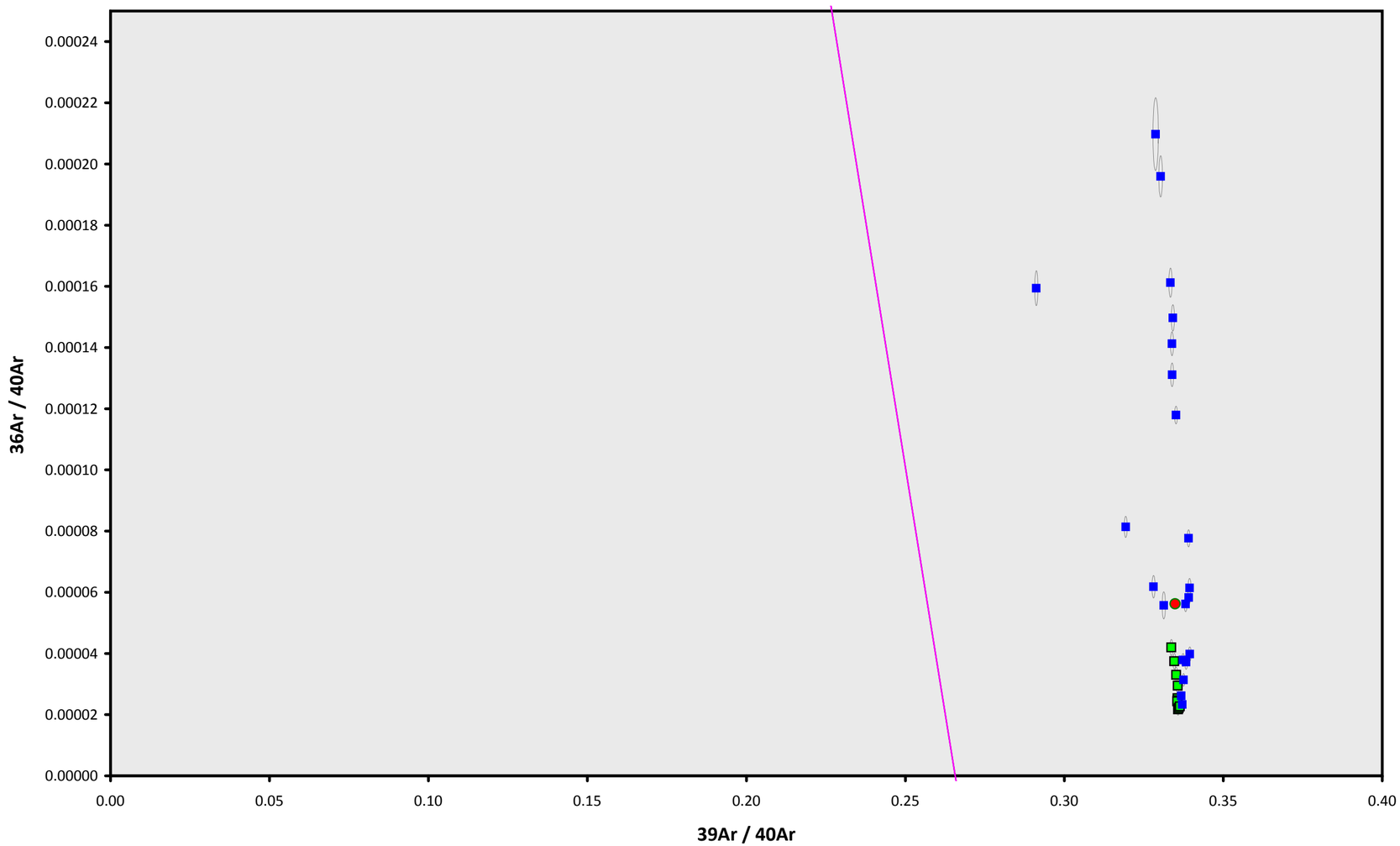
40AR/36AR INTERCEPT
278.5 ± 85.0

Sample Info

Groundmass
Esk Guyot
Susan Schnur

IRR = 13-OSU-05
J = 0.00175110 ± 0.00000226

13D03867.AGE >>> MV1203-D42-17 (DARK) >>> WALVIS RIDGE | MV1203 (13-INT-04) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
9.34 ± 0.02
TOTAL FUSION
9.28 ± 0.02
NORMAL ISOCHRON
9.34 ± 0.03
INVERSE ISOCHRON
9.34 ± 0.03

MSWD (PROBABILITY)
1.32 (23%)

SPREADING FACTOR
0.8%

40AR/36AR INTERCEPT
306.5 ± 80.0

Sample Info

Groundmass
Esk Guyot
Susan Schnur

IRR = 13-OSU-05
J = 0.00175110 ± 0.00000226