Relative Abundances			36Ar [fA]	%1σ	37Ar [fA]	%1σ	38Ar [fA]	%1σ	39Ar [fA]	%1σ	40Ar [fA]	%1σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ka)	40Ar(r) (%)	39Ar(k) (%)	K/Ca ± 2σ
13D07566	1.8 %		0.2149928	0.690	42.1129	4.099	0.378166	12.583	26.6148	0.155	71.3416	0.107	0.41469 ± 0.03501	1213.7 ± 102.4	15.45	2.13	0.271 ± 0.022
13D07568	2.0 %		0.0813244	1.336	49.8441	3.339	0.430445	11.329	33.1407	0.129	31.4919	0.239	0.34004 ± 0.02146	995.3 ± 62.8	35.75	2.65	0.286 ± 0.019
13D07569	2.2 %	✓	0.0552073	1.742	47.8402	3.656	0.332352	14.273	31.7479	0.139	22.7807	0.332	0.31878 ± 0.02050	933.1 ± 60.0	44.38	2.54	0.285 ± 0.021
13D07570	2.4 %	✓	0.0621080	1.534	62.8886	2.661	0.421290	11.733	43.0425	0.111	27.1167	0.275	0.31508 ± 0.01489	922.2 ± 43.6	49.96	3.44	0.294 ± 0.016
13D07572	2.7 %	✓	0.0566170	1.851	70.0661	2.579	0.531335	9.217	48.0214	0.108	26.5677	0.280	0.31616 ± 0.01456	925.4 ± 42.6	57.09	3.84	0.294 ± 0.015
13D07573	3.0 %	✓	0.0844738	1.308	118.0205	1.482	0.909996	5.406	82.0864	0.080	42.2485	0.177	0.32022 ± 0.00885	937.3 ± 25.9	62.16	6.56	0.299 ± 0.009
13D07574	3.3 %	✓	0.0522493	1.868	82.2873	2.154	0.640320	7.597	61.0148	0.089	28.3471	0.266	0.31414 ± 0.01082	919.5 ± 31.7	67.55	4.87	0.319 ± 0.014
13D07576	3.6 %	✓	0.0811909	1.345	132.8656	1.379	1.083543	4.611	96.7143	0.076	43.9119	0.169	0.31054 ± 0.00750	909.0 ± 21.9	68.33	7.73	0.313 ± 0.009
13D07577	3.9 %	✓	0.0509675	1.907	86.4124	2.133	0.782558	6.260	68.9682	0.086	29.7507	0.252	0.30803 ± 0.00961	901.6 ± 28.1	71.35	5.51	0.343 ± 0.015
13D07578	4.2 %	✓	0.0724105	1.434	131.3839	1.402	1.083553	4.618	97.3370	0.075	41.6188	0.180	0.31043 ± 0.00717	908.6 ± 21.0	72.54	7.78	0.318 ± 0.009
13D07580	4.5 %	✓	0.0636875	1.616	123.4497	1.472	1.055381	4.726	91.8814	0.079	37.7995	0.201	0.30876 ± 0.00753	903.8 ± 22.0	74.98	7.34	0.320 ± 0.009
13D07581	4.8 %	✓	0.0370488	2.564	73.4104	2.318	0.659715	7.513	58.5663	0.093	23.2334	0.319	0.30484 ± 0.01095	892.3 ± 32.0	76.78	4.68	0.343 ± 0.016
13D07582	5.1 %	✓	0.0437652	2.191	88.1389	2.023	0.751560	6.490	67.2616	0.087	26.8045	0.276	0.30581 ± 0.00969	895.1 ± 28.3	76.67	5.37	0.328 ± 0.013
13D07584	5.4 %	✓	0.0470092	1.963	80.5704	2.109	0.678767	7.430	59.9436	0.091	25.5841	0.295	0.29729 ± 0.01047	870.2 ± 30.6	69.59	4.79	0.320 ± 0.013
13D07585	5.7 %	✓	0.0308447	2.866	60.7892	2.743	0.506578	9.719	44.2914	0.106	18.1578	0.413	0.30864 ± 0.01366	903.4 ± 40.0	75.22	3.54	0.313 ± 0.017
13D07586	6.1 %	✓	0.0302071	2.922	59.1383	2.958	0.491393	9.766	39.6629	0.118	16.6924	0.445	0.30965 ± 0.01538	906.4 ± 45.0	73.50	3.17	0.288 ± 0.017
13D07588	6.5 %	✓	0.0313847	2.805	59.6048	2.935	0.379019	12.664	37.4032	0.127	16.2365	0.457	0.30806 ± 0.01627	901.7 ± 47.6	70.89	2.99	0.270 ± 0.016
13D07589	6.9 %	✓	0.0287687	3.075	52.6368	3.235	0.385592	12.350	30.3945	0.142	14.1912	0.524	0.32008 ± 0.01999	936.9 ± 58.5	68.47	2.43	0.248 ± 0.016
13D07590	7.3 %	✓	0.0302833	3.065	49.8787	3.523	0.296111	16.250	26.0199	0.157	13.1116	0.562	0.30742 ± 0.02433	899.8 ± 71.2	60.93	2.08	0.224 ± 0.016
13D07592	7.8 %		0.0341395	2.744	48.6835	3.686	0.269297	17.856	24.5287	0.165	13.4157	0.555	0.28841 ± 0.02611	844.2 ± 76.4	52.66	1.96	0.216 ± 0.016
13D07593	8.3 %		0.0351140	2.630	44.9242	3.717	0.247363	19.348	21.4998	0.183	13.0745	0.563	0.28652 ± 0.02906	838.7 ± 85.1	47.05	1.72	0.205 ± 0.015
13D07594	8.8 %		0.0375063	2.392	40.4651	4.304	0.193649	24.995	18.6321	0.201	13.5369	0.553	0.29922 ± 0.03310	875.8 ± 96.9	41.12	1.49	0.198 ± 0.017
13D07596	9.3 %		0.0394925	2.283	36.4989	4.966	0.230847	21.405	16.2962	0.231	13.5036	0.545	0.28552 ± 0.03826	835.8 ± 112.0	34.40	1.30	0.192 ± 0.019
13D07597	9.9 %		0.0436607	2.103	36.3313	4.561	0.206466	23.360	14.4988	0.262	14.5439	0.503	0.30729 ± 0.04285	899.5 ± 125.4	30.58	1.16	0.171 ± 0.016
13D07598	10.5 %		0.0450594	2.188	30.5021	5.617	0.153330	31.448	13.0629	0.283	14.8463	0.501	0.29762 ± 0.05056	871.2 ± 148.0	26.15	1.04	0.184 ± 0.021
13D07600	11.2 %		0.0652472	1.537	45.4394	3.794	0.191206	26.136	13.6381	0.251	19.8753	0.379	0.30275 ± 0.04921	886.2 ± 144.0	20.73	1.09	0.129 ± 0.010
13D07601	11.9 %		0.0735604	1.394	46.9258	3.678	0.188941	27.097	11.6924	0.312	21.6129	0.349	0.30247 ± 0.05843	885.3 ± 171.0	16.32	0.93	0.107 ± 0.008
13D07602	12.8 %		0.1059647	1.077	78.9839	2.237	0.201421	24.421	13.4886	0.273	28.5610	0.259	0.25411 ± 0.05544	743.8 ± 162.3	11.95	1.07	0.073 ± 0.003
13D07604	13.9 %		0.1297409	0.943	107.8170	1.619	0.241811	19.621	13.3303	0.283	33.6336	0.219	0.28163 ± 0.05947	824.4 ± 174.0	11.10	1.06	0.053 ± 0.002
13D07605	15.2 %		0.2009537	0.707	186.8164	1.129	0.336920	14.549	14.4332	0.266	47.3963	0.160	0.18673 ± 0.06408	546.6 ± 187.6	5.64	1.14	0.033 ± 0.001
13D07606	16.7 %		0.2484367	0.615	265.5575	0.844	0.311941	15.989	12.9354	0.291	54.9975	0.137	0.19146 ± 0.07710	560.5 ± 225.7	4.44	1.02	0.021 ± 0.000
13D07608	18.2 %		0.2460550	0.605	258.8056	0.872	0.216455	22.268	9.3618	0.400	56.3414	0.136	0.43188 ± 0.10496	1264.0 ± 307.1	7.04	0.73	0.015 ± 0.000
13D07609	19.7 %		0.2496576	0.635	227.8451	0.933	0.184340	27.029	6.8383	0.509	59.3821	0.128	0.52614 ± 0.15094	1539.8 ± 441.6	5.92	0.53	0.013 ± 0.000
13D07611	21.2 %		0.2408115	0.612	163.5941	1.153	0.067309	71.789	4.3982	0.816	61.0224	0.126	0.63430 ± 0.21816	1856.2 ± 638.1	4.46	0.34	0.011 ± 0.000
		Σ	2.9499408	0.216	3090.5287	0.341	15.038972	1.895	1252.7475	0.022	1022.7297	0.043					

Information on Analysis and Constants Used in Calculations

Project = **BALBAS (13-19)**
Sample = **44B-ARGON-1**
Material = **Groundmass**
Location = **Floreana Island**
Region = **Galapagos**
Analyst = **Anthony Koppers**
Irradiation = **13-OSU-05**
Position = **X: 0 | Y: 0 | Z/H: 50.6 mm**
FCT-3 Age = **28.201 ± 0.023 Ma**
FCT-3 Reference = **Kuiper (2008)**
FCT-3 40Ar/39Ar Ratio = **9.70761 ± 0.01621**
FCT-3 J-value = **0.00161908 ± 0.00000270**
Air Shot 40Ar/36Ar = **302.7710 ± 0.2907**
Air Shot MDF = **0.99398853 ± 0.00062472 (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 = **IEKK1-44B-AR-1A**
Rock Class = **Igneous>Volcanic>Mafic**
Lithology = **Basalt**
Lat-Lon = **1°16.4'S - 90°29.3'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 (Ka)	MSWD	39Ar(k) (%,n)	K/Ca ± 2σ
Age Plateau		0.31010 ± 0.00270 (± 0.87%)	**907.7 ± 8.5 (± 0.93%)**	1.05	78.63	0.306 ± 0.013
			Full External Error ± 22.2	40%	17	
			Analytical Error ± 7.9	1.71	2σ Confidence Limit	
				1.0257	Error Magnification	
Total Fusion Age		0.31143 ± 0.00337 (± 1.08%)	**911.6 ± 10.3 (± 1.13%)**		34	0.174 ± 0.001
			Full External Error ± 23.0			
			Analytical Error ± 9.9			
Normal Isochron	**313.15 ± 14.13 (± 4.51%)**	0.30150 ± 0.00714 (± 2.37%)	**882.5 ± 21.1 (± 2.39%)**	0.70	78.63	
			Full External Error ± 29.0	78%	17	
			Analytical Error ± 20.9	1.73	2σ Confidence Limit	
				1.0000	Error Magnification	
				13	Number of Iterations	
				0.0000028560	Convergence	
Inverse Isochron	**313.28 ± 14.27 (± 4.55%)**	0.30182 ± 0.00717 (± 2.38%)	**883.5 ± 21.2 (± 2.40%)**	0.66	78.63	
			Full External Error ± 29.1	83%	17	
			Analytical Error ± 21.0	1.73	2σ Confidence Limit	
				1.0000	Error Magnification	
Notes				3	Number of Iterations	
A plateau with low and high temp recoil effects. From a more altered section of the lava flow.				0.0021731377	Convergence	
				35%	Spreading Factor	

Incremental Heating			36Ar(a) [fA]	37Ar(ca) [fA]	38Ar(cl) [fA]	39Ar(k) [fA]	40Ar(r) [fA]	Age ± 2σ (Ka)	40Ar(r) (%)	39Ar(k) (%)	K/Ca ± 2σ
13D07566	1.8 %		0.2037730	42.1129	0.0171971	26.5863	11.02506	1213.7 ± 102.4	15.45	2.13	0.271 ± 0.022
13D07568	2.0 %		0.0680462	49.8441	0.0158378	33.1070	11.25767	995.3 ± 62.8	35.75	2.65	0.286 ± 0.019
13D07569	2.2 %	✓	0.0424675	47.8402	0.0000000	31.7156	10.11034	933.1 ± 60.0	44.38	2.54	0.285 ± 0.021
13D07570	2.4 %	✓	0.0453608	62.8886	0.0000000	43.0001	13.54825	922.2 ± 43.6	49.96	3.44	0.294 ± 0.016
13D07572	2.7 %	✓	0.0379584	70.0661	0.0000000	47.9741	15.16755	925.4 ± 42.6	57.09	3.84	0.294 ± 0.015
13D07573	3.0 %	✓	0.0530449	118.0205	0.0000000	82.0066	26.26016	937.3 ± 25.9	62.16	6.56	0.299 ± 0.009
13D07574	3.3 %	✓	0.0303362	82.2873	0.0000000	60.9592	19.14967	919.5 ± 31.7	67.55	4.87	0.319 ± 0.014
13D07576	3.6 %	✓	0.0458088	132.8656	0.0000000	96.6246	30.00598	909.0 ± 21.9	68.33	7.73	0.313 ± 0.009
13D07577	3.9 %	✓	0.0279559	86.4124	0.0000000	68.9098	21.22629	901.6 ± 28.1	71.35	5.51	0.343 ± 0.015
13D07578	4.2 %	✓	0.0374230	131.3839	0.0000000	97.2483	30.18854	908.6 ± 21.0	72.54	7.78	0.318 ± 0.009
13D07580	4.5 %	✓	0.0308129	123.4497	0.0000000	91.7980	28.34335	903.8 ± 22.0	74.98	7.34	0.320 ± 0.009
13D07581	4.8 %	✓	0.0174996	73.4104	0.0000000	58.5167	17.83850	892.3 ± 32.0	76.78	4.68	0.343 ± 0.016
13D07582	5.1 %	✓	0.0202938	88.1389	0.0000000	67.2021	20.55077	895.1 ± 28.3	76.67	5.37	0.328 ± 0.013
13D07584	5.4 %	✓	0.0255533	80.5704	0.0000000	59.8891	17.80418	870.2 ± 30.6	69.59	4.79	0.320 ± 0.013
13D07585	5.7 %	✓	0.0146565	60.7892	0.0000000	44.2503	13.65765	903.4 ± 40.0	75.22	3.54	0.313 ± 0.017
13D07586	6.1 %	✓	0.0144563	59.1383	0.0077421	39.6229	12.26906	906.4 ± 45.0	73.50	3.17	0.288 ± 0.017
13D07588	6.5 %	✓	0.0155120	59.6048	0.0000000	37.3630	11.50986	901.7 ± 47.6	70.89	2.99	0.270 ± 0.016
13D07589	6.9 %	✓	0.0147474	52.6368	0.0138079	30.3590	9.71726	936.9 ± 58.5	68.47	2.43	0.248 ± 0.016
13D07590	7.3 %	✓	0.0170006	49.8787	0.0000000	25.9862	7.98855	899.8 ± 71.2	60.93	2.08	0.224 ± 0.016
13D07592	7.8 %		0.0211751	48.6835	0.0000000	24.4958	7.06482	844.2 ± 76.4	52.66	1.96	0.216 ± 0.016
13D07593	8.3 %		0.0231506	44.9242	0.0000000	21.4694	6.15142	838.7 ± 85.1	47.05	1.72	0.205 ± 0.015
13D07594	8.8 %		0.0267305	40.4651	0.0000000	18.6048	5.56694	875.8 ± 96.9	41.12	1.49	0.198 ± 0.017
13D07596	9.3 %		0.0297648	36.4989	0.0269007	16.2715	4.64585	835.8 ± 112.0	34.40	1.30	0.192 ± 0.019
13D07597	9.9 %		0.0339787	36.3313	0.0233678	14.4742	4.44784	899.5 ± 125.4	30.58	1.16	0.171 ± 0.016
13D07598	10.5 %		0.0369367	30.5021	0.0000000	13.0423	3.88164	871.2 ± 148.0	26.15	1.04	0.184 ± 0.021
13D07600	11.2 %		0.0531424	45.4394	0.0143007	13.6074	4.11969	886.2 ± 144.0	20.73	1.09	0.129 ± 0.010
13D07601	11.9 %		0.0610539	46.9258	0.0338713	11.6607	3.52695	885.3 ± 171.0	16.32	0.93	0.107 ± 0.008
13D07602	12.8 %		0.0849258	78.9839	0.0182374	13.4353	3.41406	743.8 ± 162.3	11.95	1.07	0.073 ± 0.003
13D07604	13.9 %		0.1010125	107.8170	0.0556908	13.2574	3.73368	824.4 ± 174.0	11.10	1.06	0.053 ± 0.002
13D07605	15.2 %		0.1511676	186.8164	0.1231258	14.3070	2.67155	546.6 ± 187.6	5.64	1.14	0.033 ± 0.001
13D07606	16.7 %		0.1776869	265.5575	0.1061970	12.7560	2.44225	560.5 ± 225.7	4.44	1.02	0.021 ± 0.000
13D07608	18.2 %		0.1771188	258.8056	0.0542420	9.1869	3.96765	1264.0 ± 307.1	7.04	0.73	0.015 ± 0.000
13D07609	19.7 %		0.1889667	227.8451	0.0522442	6.6843	3.51690	1539.8 ± 441.6	5.92	0.53	0.013 ± 0.000
13D07611	21.2 %		0.1972464	163.5941	0.0000000	4.2877	2.71968	1856.2 ± 638.1	4.46	0.34	0.011 ± 0.000
		Σ	2.1267641	3090.5287	0.5627626	1250.6596	389.48960				

Information on Analysis

Project = **BALBAS (13-19)**
Sample = **44B-ARGON-1**
Material = **Groundmass**
Location = **Floreana Island**
Region = **Galapagos**
Analyst = **Anthony Koppers**
Irradiation = **13-OSU-05**
J = **0.00161908 ± 0.00000270**
FCT-3 = **28.201 ± 0.023 Ma**

Results	40(r)/39(k) ± 2σ		Age ± 2σ (Ka)		MSWD	39Ar(k) (%,n)	K/Ca ± 2σ
Age Plateau	0.31010	± 0.00270	**907.7**	**± 8.5**	1.05	78.63	0.306 ± 0.013
		± 0.87%		**± 0.93%**	40%	17	
			Full External Error	± 22.2	1.71	2σ Confidence Limit	
			Analytical Error	± 7.9	1.0257	Error Magnification	
Total Fusion Age	0.31143	± 0.00337	**911.6**	**± 10.3**		34	0.174 ± 0.001
		± 1.08%		**± 1.13%**			
			Full External Error	± 23.0			
			Analytical Error	± 9.9			

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
13D07566	1.8 %		130.47 ± 2.03	349.60 ± 5.38	0.9702
13D07568	2.0 %		486.54 ± 16.83	460.94 ± 16.06	0.9877
13D07569	2.2 %	✓	746.82 ± 37.65	533.57 ± 27.10	0.9898
13D07570	2.4 %	✓	947.96 ± 44.03	594.18 ± 27.76	0.9918
13D07572	2.7 %	✓	1263.86 ± 76.88	695.08 ± 42.44	0.9951
13D07573	3.0 %	✓	1545.98 ± 69.98	790.55 ± 35.88	0.9962
13D07574	3.3 %	✓	2009.45 ± 143.76	926.75 ± 66.47	0.9969
13D07576	3.6 %	✓	2109.30 ± 110.27	950.53 ± 49.78	0.9974
13D07577	3.9 %	✓	2464.95 ± 192.14	1054.78 ± 82.38	0.9976
13D07578	4.2 %	✓	2598.62 ± 159.68	1102.18 ± 67.82	0.9979
13D07580	4.5 %	✓	2979.21 ± 220.14	1215.35 ± 89.92	0.9982
13D07581	4.8 %	✓	3343.88 ± 402.41	1314.86 ± 158.44	0.9984
13D07582	5.1 %	✓	3311.46 ± 349.48	1308.16 ± 138.23	0.9985
13D07584	5.4 %	✓	2343.70 ± 188.63	992.25 ± 80.06	0.9970
13D07585	5.7 %	✓	3019.16 ± 407.74	1227.35 ± 166.05	0.9980
13D07586	6.1 %	✓	2740.88 ± 378.67	1144.20 ± 158.39	0.9977
13D07588	6.5 %	✓	2408.66 ± 309.45	1037.50 ± 133.61	0.9972
13D07589	6.9 %	✓	2058.60 ± 277.72	954.41 ± 129.12	0.9967
13D07590	7.3 %	✓	1528.55 ± 187.00	765.40 ± 94.01	0.9954
13D07592	7.8 %		1156.82 ± 114.98	629.14 ± 62.89	0.9932
13D07593	8.3 %		927.38 ± 82.21	561.21 ± 50.11	0.9911
13D07594	8.8 %		696.01 ± 52.67	503.76 ± 38.48	0.9879
13D07596	9.3 %		546.67 ± 37.65	451.59 ± 31.43	0.9853
13D07597	9.9 %		425.98 ± 25.65	426.40 ± 25.94	0.9824
13D07598	10.5 %		353.10 ± 20.87	400.59 ± 23.91	0.9812
13D07600	11.2 %		256.05 ± 10.71	373.02 ± 15.75	0.9765
13D07601	11.9 %		190.99 ± 7.13	353.27 ± 13.24	0.9685
13D07602	12.8 %		158.20 ± 4.68	335.70 ± 9.92	0.9673
13D07604	13.9 %		131.25 ± 3.49	332.46 ± 8.75	0.9630
13D07605	15.2 %		94.64 ± 1.98	313.17 ± 6.42	0.9545
13D07606	16.7 %		71.79 ± 1.39	309.24 ± 5.79	0.9423
13D07608	18.2 %		51.87 ± 1.03	317.90 ± 5.84	0.9019
13D07609	19.7 %		35.37 ± 0.73	314.11 ± 5.66	0.8546
13D07611	21.2 %		21.74 ± 0.50	309.29 ± 4.95	0.6774

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ka)	MSWD
Normal Isochron	**313.15 ± 14.13 ± 4.51%**	0.30150 ± 0.00714 ± 2.37%	**882.5 ± 21.1 ± 2.39%**	0.70 78%
			Full External Error ± 29.0	
			Analytical Error ± 20.9	

Statistics				
	2σ Confidence Limit	1.73	Convergence	0.000002856013
	Error Magnification	1.0000	Number of Iterations	13
	Number of Data Points	17	Calculated Line	Weighted York-2

Inverse Isochron			39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
13D07566	1.8 %		0.3731938 ± 0.0014106	0.00286037 ± 0.00004402	0.0794
13D07568	2.0 %		1.0555308 ± 0.0057620	0.00216947 ± 0.00007558	0.1219
13D07569	2.2 %	✓	1.3996630 ± 0.0101416	0.00187416 ± 0.00009518	0.1216
13D07570	2.4 %	✓	1.5954098 ± 0.0095385	0.00168300 ± 0.00007864	0.1101
13D07572	2.7 %	✓	1.8182858 ± 0.0109896	0.00143868 ± 0.00008783	0.0863
13D07573	3.0 %	✓	1.9555678 ± 0.0076955	0.00126493 ± 0.00005740	0.0722
13D07574	3.3 %	✓	2.1682841 ± 0.0122906	0.00107904 ± 0.00007739	0.0712
13D07576	3.6 %	✓	2.2190875 ± 0.0083334	0.00105205 ± 0.00005510	0.0600
13D07577	3.9 %	✓	2.3369359 ± 0.0126067	0.00094807 ± 0.00007404	0.0620
13D07578	4.2 %	✓	2.3577038 ± 0.0093369	0.00090729 ± 0.00005583	0.0550
13D07580	4.5 %	✓	2.4513088 ± 0.0107477	0.00082280 ± 0.00006088	0.0516
13D07581	4.8 %	✓	2.5431370 ± 0.0171147	0.00076053 ± 0.00009165	0.0515
13D07582	5.1 %	✓	2.5313821 ± 0.0148419	0.00076443 ± 0.00008078	0.0506
13D07584	5.4 %	✓	2.3620084 ± 0.0147288	0.00100781 ± 0.00008132	0.0707
13D07585	5.7 %	✓	2.4599036 ± 0.0211880	0.00081477 ± 0.00011023	0.0598
13D07586	6.1 %	✓	2.3954536 ± 0.0222556	0.00087397 ± 0.00012098	0.0628
13D07588	6.5 %	✓	2.3215983 ± 0.0222522	0.00096386 ± 0.00012413	0.0692
13D07589	6.9 %	✓	2.1569265 ± 0.0236329	0.00104776 ± 0.00014175	0.0756
13D07590	7.3 %	✓	1.9970604 ± 0.0235030	0.00130651 ± 0.00016047	0.0890
13D07592	7.8 %		1.8387390 ± 0.0214344	0.00158948 ± 0.00015889	0.1073
13D07593	8.3 %		1.6524538 ± 0.0196844	0.00178186 ± 0.00015911	0.1208
13D07594	8.8 %		1.3816341 ± 0.0163551	0.00198507 ± 0.00015163	0.1370
13D07596	9.3 %		1.2105578 ± 0.0143848	0.00221442 ± 0.00015410	0.1449
13D07597	9.9 %		0.9990127 ± 0.0113732	0.00234521 ± 0.00014266	0.1474
13D07598	10.5 %		0.8814501 ± 0.0101663	0.00249632 ± 0.00014898	0.1466
13D07600	11.2 %		0.6864334 ± 0.0062611	0.00268081 ± 0.00011318	0.1500
13D07601	11.9 %		0.5406370 ± 0.0050748	0.00283071 ± 0.00010606	0.1388
13D07602	12.8 %		0.4712538 ± 0.0035625	0.00297885 ± 0.00008800	0.1207
13D07604	13.9 %		0.3947676 ± 0.0028390	0.00300786 ± 0.00007912	0.1018
13D07605	15.2 %		0.3022085 ± 0.0018925	0.00319313 ± 0.00006543	0.0800
13D07606	16.7 %		0.2321430 ± 0.0015127	0.00323369 ± 0.00006050	0.0619
13D07608	18.2 %		0.1631598 ± 0.0014067	0.00314563 ± 0.00005782	0.0466
13D07609	19.7 %		0.1126130 ± 0.0012100	0.00318359 ± 0.00005741	0.0337
13D07611	21.2 %		0.0702825 ± 0.0011920	0.00323323 ± 0.00005176	0.0234

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ka)	MSWD
Inverse Isochron	**313.28 ± 14.27 ± 4.55%**	0.30182 ± 0.00717 ± 2.38%	**883.5 ± 21.2 ± 2.40%**	0.66 83%
			Full External Error ± 29.1	
			Analytical Error ± 21.0	

Statistics				
2σ Confidence Limit	1.73	Convergence	0.0021731377
Error Magnification	1.0000	Number of Iterations	3
Number of Data Points	17	Calculated Line	Weighted York-2
Spreading Factor	34.5%		

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
13D07566	1.8 %		0.2037730	0.76	0.0000000	0.00	0.0112147	4.10	0.0000052	276.76	42.1129	4.10	0.0380852	0.76	0.0000000	0.00	0.319860	0.22	0.0030237	13.46	0.0171971	276.76	26.5863	0.16	0.0284515	4.31	11.02506	4.22	60.21492	0.76	0.0000000	0.00	0.1016395	2.66
13D07568	2.0 %		0.0680462	1.73	0.0000000	0.00	0.0132735	3.34	0.0000047	307.99	49.8441	3.34	0.0127178	1.73	0.0000000	0.00	0.398311	0.21	0.0035788	13.25	0.0158378	307.99	33.1070	0.13	0.0336747	3.59	11.25767	3.15	20.10764	1.73	0.0000000	0.00	0.1265682	2.66
13D07569	2.2 %	✓	0.0424675	2.52	0.0000000	0.00	0.0127398	3.66	0.0000000	0.00	47.8402	3.66	0.0079372	2.52	0.0000000	0.00	0.381571	0.21	0.0034349	13.33	0.0000000	0.00	31.7156	0.14	0.0323208	3.89	10.11034	3.21	12.54914	2.52	0.0000000	0.00	0.1212488	2.66
13D07570	2.4 %	✓	0.0453608	2.32	0.0000000	0.00	0.0167472	2.67	0.0000000	0.00	62.8886	2.66	0.0084779	2.32	0.0000000	0.00	0.517334	0.20	0.0045154	13.09	0.0000000	0.00	43.0001	0.11	0.0424875	2.97	13.54825	2.36	13.40411	2.32	0.0000000	0.00	0.1643892	2.66
13D07572	2.7 %	✓	0.0379584	3.04	0.0000000	0.00	0.0186586	2.58	0.0000000	0.00	70.0661	2.58	0.0070944	3.04	0.0000000	0.00	0.577177	0.19	0.0050307	13.08	0.0000000	0.00	47.9741	0.11	0.0473366	2.90	15.16755	2.30	11.21670	3.04	0.0000000	0.00	0.1834050	2.66
13D07573	3.0 %	✓	0.0530449	2.26	0.0000000	0.00	0.0314289	1.49	0.0000000	0.00	118.0205	1.48	0.0099141	2.26	0.0000000	0.00	0.986622	0.18	0.0084739	12.91	0.0000000	0.00	82.0066	0.08	0.0797347	1.98	26.26016	1.38	15.67478	2.26	0.0000000	0.00	0.3135113	2.66
13D07574	3.3 %	✓	0.0303362	3.58	0.0000000	0.00	0.0219131	2.16	0.0000000	0.00	82.2873	2.15	0.0056698	3.58	0.0000000	0.00	0.733400	0.18	0.0059082	13.00	0.0000000	0.00	60.9592	0.09	0.0555933	2.53	19.14967	1.72	8.96435	3.58	0.0000000	0.00	0.2330470	2.66
13D07576	3.6 %	✓	0.0458088	2.61	0.0000000	0.00	0.0353821	1.39	0.0000000	0.00	132.8656	1.38	0.0085617	2.61	0.0000000	0.00	1.162490	0.18	0.0095398	12.89	0.0000000	0.00	96.6246	0.08	0.0897640	1.91	30.00598	1.20	13.53650	2.61	0.0000000	0.00	0.3693957	2.66
13D07577	3.9 %	✓	0.0279559	3.90	0.0000000	0.00	0.0230116	2.14	0.0000000	0.00	86.4124	2.13	0.0052250	3.90	0.0000000	0.00	0.829054	0.18	0.0062044	13.00	0.0000000	0.00	68.9098	0.09	0.0583802	2.51	21.22629	1.56	8.26097	3.90	0.0000000	0.00	0.2634423	2.66
13D07578	4.2 %	✓	0.0374230	3.07	0.0000000	0.00	0.0349875	1.41	0.0000000	0.00	131.3839	1.40	0.0069944	3.07	0.0000000	0.00	1.169994	0.18	0.0094334	12.90	0.0000000	0.00	97.2483	0.08	0.0887630	1.93	30.18854	1.15	11.05849	3.07	0.0000000	0.00	0.3717802	2.66
13D07580	4.5 %	✓	0.0308129	3.69	0.0000000	0.00	0.0328747	1.48	0.0000000	0.00	123.4497	1.47	0.0057589	3.69	0.0000000	0.00	1.104421	0.18	0.0088637	12.90	0.0000000	0.00	91.7980	0.08	0.0834026	1.98	28.34335	1.22	9.10520	3.69	0.0000000	0.00	0.3509436	2.66
13D07581	4.8 %	✓	0.0174996	6.02	0.0000000	0.00	0.0195492	2.32	0.0000000	0.00	73.4104	2.32	0.0032707	6.02	0.0000000	0.00	0.704014	0.19	0.0052709	13.03	0.0000000	0.00	58.5167	0.09	0.0495961	2.67	17.83850	1.79	5.17114	6.02	0.0000000	0.00	0.2237092	2.66
13D07582	5.1 %	✓	0.0202938	5.28	0.0000000	0.00	0.0234714	2.03	0.0000000	0.00	88.1389	2.02	0.0037929	5.28	0.0000000	0.00	0.808508	0.18	0.0063284	12.98	0.0000000	0.00	67.2021	0.09	0.0595467	2.42	20.55077	1.58	5.99681	5.28	0.0000000	0.00	0.2569135	2.66
13D07584	5.4 %	✓	0.0255533	4.02	0.0000000	0.00	0.0214559	2.11	0.0000000	0.00	80.5704	2.11	0.0047759	4.02	0.0000000	0.00	0.720526	0.18	0.0057850	12.99	0.0000000	0.00	59.8891	0.09	0.0544334	2.49	17.80418	1.76	7.55099	4.02	0.0000000	0.00	0.2289561	2.66
13D07585	5.7 %	✓	0.0146565	6.75	0.0000000	0.00	0.0161882	2.75	0.0000000	0.00	60.7892	2.74	0.0027393	6.75	0.0000000	0.00	0.532376	0.19	0.0043647	13.11	0.0000000	0.00	44.2503	0.11	0.0410692	3.04	13.65765	2.21	4.33101	6.75	0.0000000	0.00	0.1691691	2.66
13D07586	6.1 %	✓	0.0144563	6.91	0.0000000	0.00	0.0157485	2.96	0.0000023	620.06	59.1383	2.96	0.0027019	6.91	0.0000000	0.00	0.476703	0.20	0.0042461	13.16	0.0077421	620.06	39.6229	0.12	0.0399539	3.24	12.26906	2.48	4.27182	6.91	0.0000000	0.00	0.1514784	2.66
13D07588	6.5 %	✓	0.0155120	6.42	0.0000000	0.00	0.0158727	2.94	0.0000000	0.00	59.6048	2.94	0.0028992	6.42	0.0000000	0.00	0.449514	0.20	0.0042796	13.15	0.0000000	0.00	37.3630	0.13	0.0402690	3.22	11.50986	2.64	4.58378	6.42	0.0000000	0.00	0.1428387	2.66
13D07589	6.9 %	✓	0.0147474	6.74	0.0000000	0.00	0.0140172	3.24	0.0000041	344.96	52.6368	3.24	0.0027563	6.74	0.0000000	0.00	0.365249	0.21	0.0037793	13.22	0.0138079	344.96	30.3590	0.14	0.0355614	3.49	9.71726	3.12	4.35786	6.74	0.0000000	0.00	0.1160624	2.66
13D07590	7.3 %	✓	0.0170006	6.11	0.0000000	0.00	0.0132827	3.53	0.0000000	0.00	49.8787	3.52	0.0031774	6.11	0.0000000	0.00	0.312640	0.22	0.0035813	13.30	0.0000000	0.00	25.9862	0.16	0.0336980	3.76	7.98855	3.95	5.02368	6.11	0.0000000	0.00	0.0993452	2.66
13D07592	7.8 %		0.0211751	4.97	0.0000000	0.00	0.0129644	3.69	0.0000000	0.00	48.6835	3.69	0.0039576	4.97	0.0000000	0.00	0.294709	0.23	0.0034955	13.34	0.0000000	0.00	24.4958	0.16	0.0328906	3.92	7.06482	4.52	6.25724	4.97	0.0000000	0.00	0.0936474	2.67
13D07593	8.3 %		0.0231506	4.43	0.0000000	0.00	0.0119633	3.72	0.0000000	0.00	44.9242	3.72	0.0043269	4.43	0.0000000	0.00	0.258298	0.24	0.0032256	13.35	0.0000000	0.00	21.4694	0.18	0.0303508	3.94	6.15142	5.07	6.84102	4.43	0.0000000	0.00	0.0820775	2.67
13D07594	8.8 %		0.0267305	3.78	0.0000000	0.00	0.0107758	4.31	0.0000000	0.00	40.4651	4.30	0.0049959	3.78	0.0000000	0.00	0.223834	0.26	0.0029054	13.52	0.0000000	0.00	18.6048	0.20	0.0273382	4.50	5.56694	5.53	7.89886	3.78	0.0000000	0.00	0.0711262	2.67
13D07596	9.3 %		0.0297648	3.44	0.0000000	0.00	0.0097196	4.97	0.0000081	183.72	36.4989	4.97	0.0055630	3.44	0.0000000	0.00	0.195763	0.28	0.0026206	13.75	0.0269007	183.72	16.2715	0.23	0.0246586	5.14	4.64585	6.70	8.79550	3.44	0.0000000	0.00	0.0622060	2.67
13D07597	9.9 %		0.0339787	3.00	0.0000000	0.00	0.0096750	4.56	0.0000070	206.43	36.3313	4.56	0.0063506	3.00	0.0000000	0.00	0.174139	0.31	0.0026086	13.61	0.0233678	206.43	14.4742	0.26	0.0245454	4.75	4.44784	6.97	10.04069	3.00	0.0000000	0.00	0.0553350	2.67
13D07598	10.5 %		0.0369367	2.94	0.0000000	0.00	0.0081227	5.62	0.0000000	0.00	30.5021	5.62	0.0069035	2.94	0.0000000	0.00	0.156912	0.33	0.0021901	14.00	0.0000000	0.00	13.0423	0.28	0.0206072	5.77	3.88164	8.49	10.91479	2.94	0.0000000	0.00	0.0498608	2.68
13D07600	11.2 %		0.0531424	2.08	0.0000000	0.00	0.0121005	3.80	0.0000043	349.51	45.4394	3.79	0.0099323	2.08	0.0000000	0.00	0.163710	0.30	0.0032626	13.37	0.0143007	349.51	13.6074	0.25	0.0306989	4.02	4.11969	8.12	15.70358	2.08	0.0000000	0.00	0.0520209	2.67
13D07601	11.9 %		0.0610539	1.84	0.0000000	0.00	0.0124963	3.68	0.0000102	151.18	46.9258	3.68	0.0114110	1.84	0.0000000	0.00	0.140289	0.35	0.0033693	13.34	0.0338713	151.18	11.6607	0.31	0.0317030	3.91	3.52695	9.65	18.04141	1.84	0.0000000	0.00	0.0445787	2.68
13D07602	12.8 %		0.0849258	1.45	0.0000000	0.00	0.0210334	2.24	0.0000055	269.78	78.9839	2.24	0.0158726	1.45	0.0000000	0.00	0.161640	0.32	0.0056710	13.01	0.0182374	269.78	13.4353	0.27	0.0533615	2.60	3.41406	10.91	25.09558	1.45	0.0000000	0.00	0.0513631	2.67
13D07604	13.9 %		0.1010125	1.30	0.0000000	0.00	0.0287117	1.63	0.0000167	85.23	107.8170	1.62	0.0188792	1.30	0.0000000	0.00	0.159500	0.33	0.0077413	12.92	0.0556908	85.24	13.2574	0.28	0.0728412	2.09	3.73368	10.55	29.84919	1.30	0.0000000	0.00	0.0506832	2.68
13D07605	15.2 %		0.1511676	1.01	0.0000000	0.00	0.0497492	1.14	0.0000370	39.85	186.8164	1.13	0.0282532	1.01	0.0000000	0.00	0.172128	0.31	0.0134134	12.87	0.1231258	39.86	14.3070	0.27	0.1262131	1.74	2.67155	17.16	44.67002	1.01	0.0000000	0.00	0.0546958	2.67
13D07606	16.7 %		0.1776869	0.93	0.0000000	0.00	0.0707180	0.86	0.0000319	47.04	265.5575	0.84	0.0332097	0.93	0.0000000	0.00	0.153467	0.34	0.0190670	12.85	0.1061970	47.05	12.7560	0.30	0.1794106	1.57	2.44225	20.13	52.50648	0.93	0.0000000	0.00	0.0487660	2.68
13D07608	18.2 %		0.1771188	0.91	0.0000000	0.00	0.0689199	0.89	0.0000163	88.99	258.8056	0.87	0.0331035	0.91	0.0000000	0.00	0.110528	0.44	0.0185822	12.85	0.0542420	88.99	9.1869	0.41	0.1748490	1.58	3.96765	12.14	52.33859	0.91	0.0000000	0.00	0.0351216	2.69
13D07609	19.7 %		0.1889667	0.89	0.0000000	0.00	0.0606751	0.94	0.0000157	95.47	227.8451	0.93	0.0353179	0.89	0.0000000	0.00	0.080419	0.55	0.0163593	12.85	0.0522442	95.48	6.6843	0.52	0.1539321	1.62	3.51690	14.34	55.83967	0.89	0.0000000	0.00	0.0255542	2.71
13D07611	21.2 %		0.1972464	0.79	0.0000000	0.00	0.0435651	1.16	0.0000000	0.00	163.5941	1.15	0.0368654	0.79	0.0000000	0.00	0.051585	0.85	0.0117461	12.87	0.0000000	0.00	4.2877	0.84	0.1105242	1.75	2.71968	17.18	58.28631	0.79	0.0000000	0.00	0.0163917	2.79
		Σ	2.1267641	0.33	0.0000000	0.00	0.8230078	0.34	0.0001689	32.52	3090.5287	0.34	0.3974922	0.33	0.0000000	0.00	15.046685	0.04	0.2219000	2.68	0.5627626	32.53	1250.6596	0.02	2.0879612	0.44	389.48960	0.54	628.45880	0.33	0.0000000	0.00	4.7812715	0.57
		Σ							2.9499408	0.26	3090.5287	0.34									16.228840	1.13			1252.7475	0.02							1022.7297	0.29

Additional Parameters			40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
13D07566	1.8 %		2.680527	0.005057	1.582313	0.064907	0.008078	0.000057	184.533	38.373625	1.00130380	3.424E-12
13D07568	2.0 %		0.950247	0.002583	1.504013	0.050254	0.002454	0.000033	184.551	38.386787	1.00130392	1.512E-12
13D07569	2.2 %	✓	0.717549	0.002585	1.506875	0.055129	0.001739	0.000030	184.559	38.393106	1.00130398	1.093E-12
13D07570	2.4 %	✓	0.629999	0.001870	1.461080	0.038910	0.001443	0.000022	184.568	38.399952	1.00130404	1.302E-12
13D07572	2.7 %	✓	0.553246	0.001658	1.459058	0.037669	0.001179	0.000022	184.585	38.413123	1.00130417	1.275E-12
13D07573	3.0 %	✓	0.514683	0.001001	1.437760	0.021339	0.001029	0.000013	184.594	38.419446	1.00130423	2.028E-12
13D07574	3.3 %	✓	0.464593	0.001303	1.348645	0.029079	0.000856	0.000016	184.603	38.426297	1.00130429	1.361E-12
13D07576	3.6 %	✓	0.454037	0.000840	1.373795	0.018968	0.000839	0.000011	184.619	38.438949	1.00130441	2.108E-12
13D07577	3.9 %	✓	0.431368	0.001150	1.252930	0.026750	0.000739	0.000014	184.628	38.445804	1.00130447	1.428E-12
13D07578	4.2 %	✓	0.427574	0.000834	1.349784	0.018952	0.000744	0.000011	184.637	38.452133	1.00130453	1.998E-12
13D07580	4.5 %	✓	0.411395	0.000889	1.343577	0.019800	0.000693	0.000011	184.654	38.465321	1.00130465	1.814E-12
13D07581	4.8 %	✓	0.396702	0.001319	1.253459	0.029083	0.000633	0.000016	184.663	38.472181	1.00130472	1.115E-12
13D07582	5.1 %	✓	0.398511	0.001153	1.310390	0.026531	0.000651	0.000014	184.672	38.478514	1.00130477	1.287E-12
13D07584	5.4 %	✓	0.426804	0.001316	1.344105	0.028369	0.000784	0.000015	184.689	38.491711	1.00130490	1.228E-12
13D07585	5.7 %	✓	0.409963	0.001747	1.372484	0.037678	0.000696	0.000020	184.697	38.498047	1.00130496	8.716E-13
13D07586	6.1 %	✓	0.420856	0.001936	1.491025	0.044145	0.000762	0.000022	184.706	38.504913	1.00130502	8.012E-13
13D07588	6.5 %	✓	0.434093	0.002061	1.593572	0.046815	0.000839	0.000024	184.724	38.518119	1.00130514	7.794E-13
13D07589	6.9 %	✓	0.466899	0.002536	1.731785	0.056082	0.000947	0.000029	184.732	38.524459	1.00130520	6.812E-13
13D07590	7.3 %	✓	0.503906	0.002942	1.916944	0.067601	0.001164	0.000036	184.740	38.530801	1.00130526	6.294E-13
13D07592	7.8 %		0.546940	0.003165	1.984759	0.073239	0.001392	0.000038	184.758	38.544016	1.00130538	6.440E-13
13D07593	8.3 %		0.608124	0.003599	2.089522	0.077757	0.001633	0.000043	184.767	38.550890	1.00130545	6.276E-13
13D07594	8.8 %		0.726536	0.004278	2.171788	0.093585	0.002013	0.000048	184.775	38.557236	1.00130551	6.498E-13
13D07596	9.3 %		0.828633	0.004901	2.239717	0.111342	0.002423	0.000056	184.792	38.570460	1.00130563	6.482E-13
13D07597	9.9 %		1.003110	0.005689	2.505820	0.114466	0.003011	0.000064	184.801	38.576809	1.00130569	6.981E-13
13D07598	10.5 %		1.136521	0.006533	2.335013	0.131314	0.003449	0.000076	184.810	38.583689	1.00130575	7.126E-13
13D07600	11.2 %		1.457341	0.006628	3.331812	0.126683	0.004784	0.000075	184.827	38.596922	1.00130587	9.540E-13
13D07601	11.9 %		1.848467	0.008652	4.013370	0.148135	0.006291	0.000090	184.835	38.603276	1.00130593	1.037E-12
13D07602	12.8 %		2.117412	0.007976	5.855589	0.131955	0.007856	0.000087	184.844	38.609630	1.00130599	1.371E-12
13D07604	13.9 %		2.523096	0.009031	8.088132	0.132955	0.009733	0.000096	184.861	38.622872	1.00130611	1.614E-12
13D07605	15.2 %		3.283828	0.010200	12.943484	0.150109	0.013923	0.000105	184.870	38.629760	1.00130618	2.275E-12
13D07606	16.7 %		4.251713	0.013661	20.529558	0.183184	0.019206	0.000131	184.878	38.636119	1.00130624	2.640E-12
13D07608	18.2 %		6.018242	0.025444	27.644957	0.265308	0.026283	0.000191	184.896	38.649370	1.00130636	2.704E-12
13D07609	19.7 %		8.683817	0.045554	33.319201	0.354027	0.036509	0.000297	184.904	38.655733	1.00130642	2.850E-12
13D07611	21.2 %		13.874470	0.114600	37.195886	0.525399	0.054753	0.000559	184.922	38.668991	1.00130654	2.929E-12

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
13D07566	1.8 %	0.0167466 ± 0.0006685	0.0334178 ± 0.0299399	0.0074994 ± 0.0395785	0.0366866 ± 0.0254682	4.7565838 ± 0.0680817
13D07568	2.0 %	0.0176555 ± 0.0006685	0.0334178 ± 0.0299399	0.0074994 ± 0.0395785	0.0479069 ± 0.0254682	4.9741903 ± 0.0680817
13D07569	2.2 %	0.0180018 ± 0.0006685	0.0334178 ± 0.0299399	0.0074994 ± 0.0395785	0.0507708 ± 0.0254682	5.0585849 ± 0.0680817
13D07570	2.4 %	0.0183181 ± 0.0006685	0.0334178 ± 0.0299399	0.0074994 ± 0.0395785	0.0523502 ± 0.0254682	5.1369287 ± 0.0680817
13D07572	2.7 %	0.0187742 ± 0.0006685	0.0334178 ± 0.0299399	0.0074994 ± 0.0395785	0.0518053 ± 0.0254682	5.2537482 ± 0.0680817
13D07573	3.0 %	0.0189307 ± 0.0006685	0.0334178 ± 0.0299399	0.0074994 ± 0.0395785	0.0502473 ± 0.0254682	5.2959602 ± 0.0680817
13D07574	3.3 %	0.0190606 ± 0.0006685	0.0334178 ± 0.0299399	0.0074994 ± 0.0395785	0.0478661 ± 0.0254682	5.3328983 ± 0.0680817
13D07576	3.6 %	0.0192071 ± 0.0006685	0.0334178 ± 0.0299399	0.0074994 ± 0.0395785	0.0421921 ± 0.0254682	5.3804572 ± 0.0680817
13D07577	3.9 %	0.0192438 ± 0.0006685	0.0334178 ± 0.0299399	0.0074994 ± 0.0395785	0.0387368 ± 0.0254682	5.3968021 ± 0.0680817
13D07578	4.2 %	0.0192555 ± 0.0006685	0.0334178 ± 0.0299399	0.0074994 ± 0.0395785	0.0354797 ± 0.0254682	5.4070250 ± 0.0680817
13D07580	4.5 %	0.0192249 ± 0.0006685	0.0334178 ± 0.0299399	0.0074994 ± 0.0395785	0.0289519 ± 0.0254682	5.4162394 ± 0.0680817
13D07581	4.8 %	0.0191860 ± 0.0006685	0.0334178 ± 0.0299399	0.0074994 ± 0.0395785	0.0259116 ± 0.0254682	5.4160193 ± 0.0680817
13D07582	5.1 %	0.0191398 ± 0.0006685	0.0334178 ± 0.0299399	0.0074994 ± 0.0395785	0.0234325 ± 0.0254682	5.4135784 ± 0.0680817
13D07584	5.4 %	0.0190217 ± 0.0006685	0.0334178 ± 0.0299399	0.0074994 ± 0.0395785	0.0195513 ± 0.0254682	5.4038197 ± 0.0680817
13D07585	5.7 %	0.0189588 ± 0.0006685	0.0334178 ± 0.0299399	0.0074994 ± 0.0395785	0.0184053 ± 0.0254682	5.3978385 ± 0.0680817
13D07586	6.1 %	0.0188890 ± 0.0006685	0.0334178 ± 0.0299399	0.0074994 ± 0.0395785	0.0177433 ± 0.0254682	5.3910412 ± 0.0680817
13D07588	6.5 %	0.0187570 ± 0.0006685	0.0334178 ± 0.0299399	0.0074994 ± 0.0395785	0.0182490 ± 0.0254682	5.3786211 ± 0.0680817
13D07589	6.9 %	0.0186976 ± 0.0006685	0.0334178 ± 0.0299399	0.0074994 ± 0.0395785	0.0193346 ± 0.0254682	5.3735997 ± 0.0680817
13D07590	7.3 %	0.0186424 ± 0.0006685	0.0334178 ± 0.0299399	0.0074994 ± 0.0395785	0.0209560 ± 0.0254682	5.3695272 ± 0.0680817
13D07592	7.8 %	0.0185445 ± 0.0006685	0.0334178 ± 0.0299399	0.0074994 ± 0.0395785	0.0259501 ± 0.0254682	5.3649283 ± 0.0680817
13D07593	8.3 %	0.0185044 ± 0.0006685	0.0334178 ± 0.0299399	0.0074994 ± 0.0395785	0.0293215 ± 0.0254682	5.3649541 ± 0.0680817
13D07594	8.8 %	0.0184747 ± 0.0006685	0.0334178 ± 0.0299399	0.0074994 ± 0.0395785	0.0328306 ± 0.0254682	5.3665845 ± 0.0680817
13D07596	9.3 %	0.0184362 ± 0.0006685	0.0334178 ± 0.0299399	0.0074994 ± 0.0395785	0.0410679 ± 0.0254682	5.3751023 ± 0.0680817
13D07597	9.9 %	0.0184289 ± 0.0006685	0.0334178 ± 0.0299399	0.0074994 ± 0.0395785	0.0452986 ± 0.0254682	5.3816273 ± 0.0680817
13D07598	10.5 %	0.0184289 ± 0.0006685	0.0334178 ± 0.0299399	0.0074994 ± 0.0395785	0.0499381 ± 0.0254682	5.3903881 ± 0.0680817
13D07600	11.2 %	0.0184500 ± 0.0006685	0.0334178 ± 0.0299399	0.0074994 ± 0.0395785	0.0585229 ± 0.0254682	5.4116484 ± 0.0680817
13D07601	11.9 %	0.0184685 ± 0.0006685	0.0334178 ± 0.0299399	0.0074994 ± 0.0395785	0.0622228 ± 0.0254682	5.4235638 ± 0.0680817
13D07602	12.8 %	0.0184912 ± 0.0006685	0.0334178 ± 0.0299399	0.0074994 ± 0.0395785	0.0654645 ± 0.0254682	5.4362996 ± 0.0680817
13D07604	13.9 %	0.0185473 ± 0.0006685	0.0334178 ± 0.0299399	0.0074994 ± 0.0395785	0.0700810 ± 0.0254682	5.4642885 ± 0.0680817
13D07605	15.2 %	0.0185779 ± 0.0006685	0.0334178 ± 0.0299399	0.0074994 ± 0.0395785	0.0709463 ± 0.0254682	5.4788636 ± 0.0680817
13D07606	16.7 %	0.0186048 ± 0.0006685	0.0334178 ± 0.0299399	0.0074994 ± 0.0395785	0.0705540 ± 0.0254682	5.4918013 ± 0.0680817
13D07608	18.2 %	0.0186485 ± 0.0006685	0.0334178 ± 0.0299399	0.0074994 ± 0.0395785	0.0651949 ± 0.0254682	5.5152729 ± 0.0680817
13D07609	19.7 %	0.0186594 ± 0.0006685	0.0334178 ± 0.0299399	0.0074994 ± 0.0395785	0.0600055 ± 0.0254682	5.5238783 ± 0.0680817
13D07611	21.2 %	0.0186484 ± 0.0006685	0.0334178 ± 0.0299399	0.0074994 ± 0.0395785	0.0425022 ± 0.0254682	5.5333363 ± 0.0680817

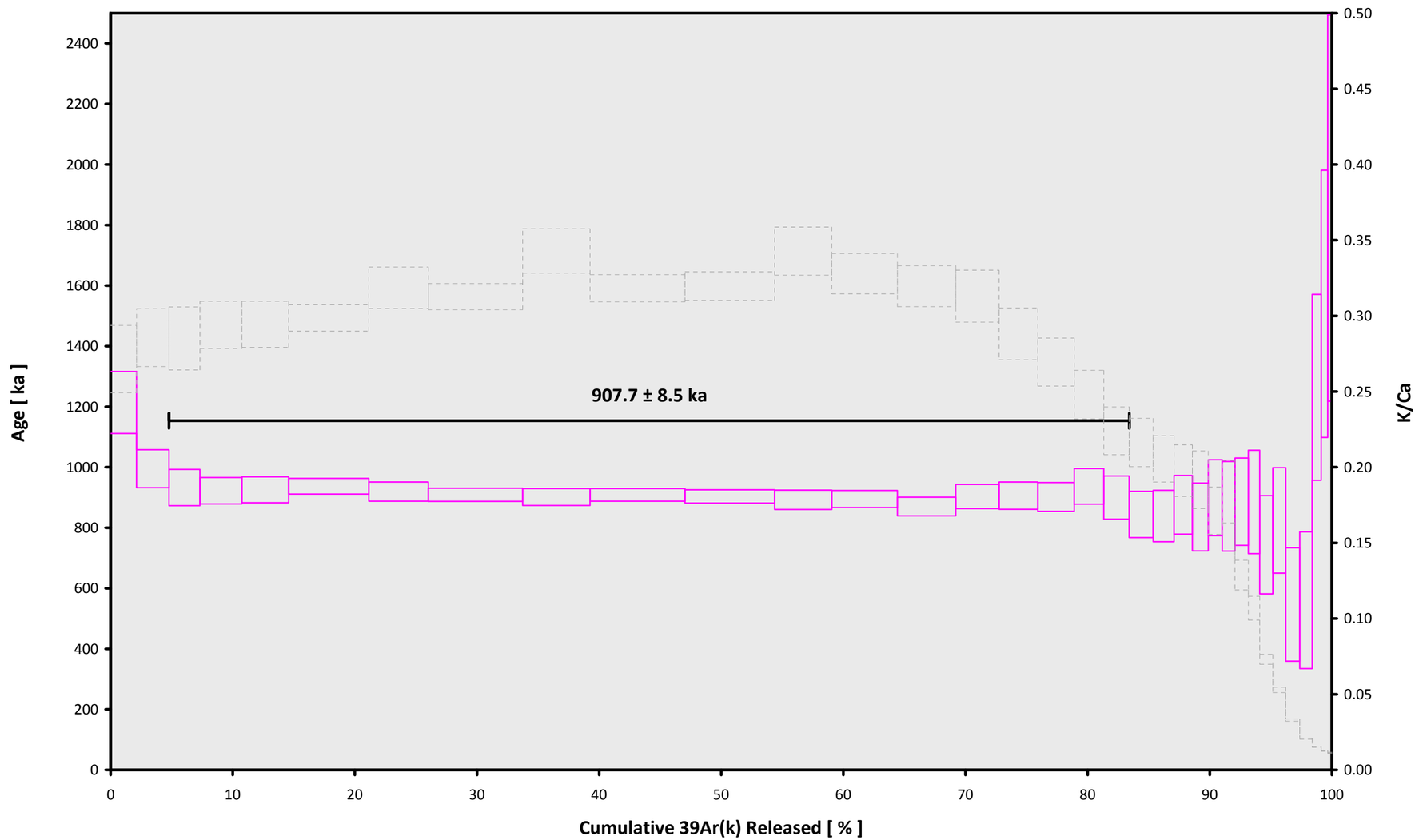
Intercept Values		36Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	37Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	38Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	39Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	40Ar ± 1σ (SE) [fA]	r2	Regression (type,n)
13D07566	1.8 %	0.2242995 ± 0.0011491	0.0729	EXP 150 of 150	1.1110989 ± 0.0319254	0.0259	EXP 150 of 150	0.3661207 ± 0.0253665	0.0125	EXP 149 of 150	26.4573258 ± 0.0275409	0.9744	EXP 150 of 150	76.245988 ± 0.035271	0.9953	EXP 150 of 150
13D07568	2.0 %	0.0961656 ± 0.0007833	0.1913	EXP 150 of 150	1.3085045 ± 0.0294274	0.0439	EXP 149 of 150	0.4177716 ± 0.0274693	0.0324	EXP 150 of 150	32.9468917 ± 0.0267002	0.9855	EXP 150 of 150	36.531303 ± 0.032815	0.9975	EXP 150 of 150
13D07569	2.2 %	0.0712986 ± 0.0006300	0.3732	EXP 150 of 150	1.2570405 ± 0.0325353	0.0484	EXP 150 of 150	0.3208576 ± 0.0250989	0.0006	EXP 150 of 150	31.5671389 ± 0.0296902	0.9796	EXP 150 of 150	27.886499 ± 0.033488	0.9974	EXP 150 of 150
13D07570	2.4 %	0.0782768 ± 0.0006131	0.3807	EXP 150 of 150	1.6416515 ± 0.0292393	0.0644	EXP 150 of 150	0.4087261 ± 0.0286027	0.0010	EXP 150 of 150	42.7809259 ± 0.0299706	0.9888	EXP 150 of 150	32.309850 ± 0.030929	0.9973	EXP 150 of 150
13D07572	2.7 %	0.0734319 ± 0.0007467	0.2262	EXP 149 of 150	1.8245845 ± 0.0337541	0.1145	EXP 149 of 150	0.5174481 ± 0.0278208	0.0141	EXP 150 of 150	47.7229573 ± 0.0333348	0.9888	EXP 150 of 150	31.876440 ± 0.030099	0.9967	EXP 150 of 150
13D07573	3.0 %	0.1004813 ± 0.0008044	0.1772	EXP 150 of 150	3.0499945 ± 0.0286613	0.3289	EXP 150 of 150	0.8915574 ± 0.0281846	0.0391	EXP 150 of 150	81.5378234 ± 0.0320102	0.9965	EXP 150 of 150	47.631934 ± 0.031439	0.9941	EXP 150 of 150
13D07574	3.3 %	0.0695018 ± 0.0006516	0.3407	EXP 150 of 150	2.1362861 ± 0.0319299	0.1859	EXP 150 of 150	0.6251237 ± 0.0272551	0.0066	EXP 150 of 150	60.6175732 ± 0.0286423	0.9948	EXP 150 of 150	33.738693 ± 0.032707	0.9952	EXP 150 of 150
13D07576	3.6 %	0.0975883 ± 0.0007898	0.1096	EXP 150 of 150	3.4277094 ± 0.0306245	0.3184	EXP 150 of 150	1.0630181 ± 0.0294578	0.0321	EXP 149 of 150	96.0510103 ± 0.0319260	0.9975	EXP 150 of 150	49.383292 ± 0.029727	0.9923	EXP 150 of 150
13D07577	3.9 %	0.0684475 ± 0.0006461	0.2396	EXP 150 of 150	2.2405831 ± 0.0342077	0.0641	EXP 150 of 150	0.7656513 ± 0.0278337	0.0365	EXP 150 of 150	68.5038518 ± 0.0311293	0.9953	EXP 150 of 150	35.209138 ± 0.031957	0.9936	EXP 150 of 150
13D07578	4.2 %	0.0891602 ± 0.0007250	0.2015	EXP 150 of 150	3.3887057 ± 0.0311325	0.3264	EXP 150 of 150	1.0630283 ± 0.0295862	0.0252	EXP 150 of 150	96.6624594 ± 0.0311022	0.9976	EXP 150 of 150	47.112050 ± 0.031535	0.9902	EXP 150 of 150
13D07580	4.5 %	0.0807085 ± 0.0007178	0.1106	EXP 150 of 150	3.1850004 ± 0.0307866	0.2930	EXP 149 of 150	1.0351953 ± 0.0293190	0.0511	EXP 150 of 150	91.2400428 ± 0.0348820	0.9967	EXP 150 of 150	43.294037 ± 0.034250	0.9879	EXP 150 of 150
13D07581	4.8 %	0.0549528 ± 0.0006210	0.3798	EXP 150 of 150	1.9071996 ± 0.0297041	0.0987	EXP 150 of 150	0.6442849 ± 0.0288269	0.0235	EXP 150 of 150	58.1649377 ± 0.0312381	0.9934	EXP 150 of 150	28.697500 ± 0.029715	0.9937	EXP 150 of 150
13D07582	5.1 %	0.0613905 ± 0.0006314	0.3317	EXP 150 of 150	2.2827701 ± 0.0319006	0.1082	EXP 150 of 150	0.7350265 ± 0.0274746	0.0185	EXP 149 of 150	66.7943632 ± 0.0313769	0.9951	EXP 150 of 150	32.273597 ± 0.029342	0.9928	EXP 150 of 150
13D07584	5.4 %	0.0644041 ± 0.0005770	0.1469	EXP 148 of 150	2.0889129 ± 0.0291861	0.1084	EXP 150 of 150	0.6631081 ± 0.0302583	0.0171	EXP 150 of 150	59.5258021 ± 0.0295260	0.9945	EXP 150 of 150	31.040943 ± 0.032718	0.9898	EXP 150 of 150
13D07585	5.7 %	0.0487361 ± 0.0005250	0.4591	EXP 150 of 150	1.5840044 ± 0.0289595	0.0743	EXP 150 of 150	0.4929893 ± 0.0282727	0.0365	EXP 150 of 150	43.9867020 ± 0.0278219	0.9909	EXP 150 of 150	23.593273 ± 0.031674	0.9922	EXP 150 of 150
13D07586	6.1 %	0.0480508 ± 0.0005231	0.4489	EXP 149 of 150	1.5416246 ± 0.0320025	0.0810	EXP 150 of 150	0.4779870 ± 0.0260996	0.0558	EXP 150 of 150	39.3912521 ± 0.0299173	0.9866	EXP 150 of 150	22.117978 ± 0.029908	0.9930	EXP 150 of 150
13D07588	6.5 %	0.0490556 ± 0.0005189	0.3739	EXP 150 of 150	1.5529987 ± 0.0319597	0.0750	EXP 150 of 150	0.3669638 ± 0.0261163	0.0016	EXP 149 of 150	37.1486214 ± 0.0321194	0.9826	EXP 150 of 150	21.648739 ± 0.030053	0.9921	EXP 150 of 150
13D07589	6.9 %	0.0464708 ± 0.0005269	0.4353	EXP 150 of 150	1.3751355 ± 0.0305335	0.0105	EXP 150 of 150	0.3734579 ± 0.0254307	0.0244	EXP 149 of 150	30.1921348 ± 0.0286385	0.9786	EXP 150 of 150	19.594172 ± 0.030417	0.9921	EXP 150 of 150
13D07590	7.3 %	0.0478777 ± 0.0005918	0.3063	EXP 150 of 150	1.3046210 ± 0.0325478	0.0196	EXP 150 of 150	0.2850523 ± 0.0263333	0.0017	EXP 149 of 150	25.8510232 ± 0.0270453	0.9742	EXP 150 of 150	18.508259 ± 0.028721	0.9929	EXP 150 of 150
13D07592	7.8 %	0.0515026 ± 0.0006030	0.1509	EXP 150 of 150	1.2737352 ± 0.0338625	0.0184	EXP 150 of 150	0.2585609 ± 0.0262762	0.0008	EXP 150 of 150	24.3756659 ± 0.0269160	0.9725	EXP 149 of 150	18.808421 ± 0.030467	0.9908	EXP 150 of 150
13D07593	8.3 %	0.0524033 ± 0.0005837	0.1627	EXP 150 of 150	1.1777546 ± 0.0295320	0.0196	EXP 150 of 150	0.2368903 ± 0.0258690	0.0029	EXP 150 of 150	21.3722153 ± 0.0263967	0.9662	EXP 150 of 150	18.466552 ± 0.028351	0.9919	EXP 150 of 150
13D07594	8.8 %	0.0546831 ± 0.0005427	0.1802	EXP 150 of 150	1.0639993 ± 0.0322275	0.0306	EXP 150 of 150	0.1838217 ± 0.0268399	0.0024	EXP 150 of 150	18.5290347 ± 0.0245785	0.9601	EXP 150 of 150	18.931549 ± 0.031598	0.9895	EXP 150 of 150
13D07596	9.3 %	0.0565620 ± 0.0005487	0.0992	EXP 150 of 150	0.9626674 ± 0.0347321	0.0131	EXP 150 of 150	0.2205728 ± 0.0285797	0.0066	EXP 150 of 150	16.2183574 ± 0.0253176	0.9464	EXP 150 of 150	18.906629 ± 0.028228	0.9904	EXP 150 of 150
13D07597	9.9 %	0.0605787 ± 0.0005723	0.0993	EXP 149 of 150	0.9582497 ± 0.0292586	0.0380	EXP 150 of 150	0.1964852 ± 0.0265340	0.0037	EXP 150 of 150	14.4382889 ± 0.0262451	0.9277	EXP 150 of 150	19.955624 ± 0.027247	0.9904	EXP 150 of 150
13D07598	10.5 %	0.0619290 ± 0.0006684	0.1237	EXP 150 of 150	0.8097256 ± 0.0314021	0.0294	EXP 150 of 150	0.1439877 ± 0.0265147	0.0002	EXP 150 of 150	13.0175538 ± 0.0250841	0.9154	EXP 150 of 150	20.267436 ± 0.030161	0.9880	EXP 150 of 150
13D07600	11.2 %	0.0814393 ± 0.0006819	0.0051	EXP 149 of 150	1.1894988 ± 0.0314010	0.0547	EXP 150 of 150	0.1814078 ± 0.0295163	0.0006	EXP 150 of 150	13.5970735 ± 0.0209193	0.9480	EXP 150 of 150	25.328116 ± 0.032584	0.9801	EXP 150 of 150
13D07601	11.9 %	0.0894832 ± 0.0007068	0.0005	EXP 150 of 150	1.2271176 ± 0.0314149	0.1446	EXP 150 of 150	0.1791702 ± 0.0314954	0.0040	EXP 149 of 150	11.6692713 ± 0.0247745	0.9029	EXP 150 of 150	27.081279 ± 0.032589	0.9761	EXP 150 of 150
13D07602	12.8 %	0.1207890 ± 0.0008357	0.1095	EXP 150 of 150	2.0422836 ± 0.0315903	0.0537	EXP 150 of 150	0.1915002 ± 0.0281998	0.0000	EXP 150 of 150	13.4556828 ± 0.0249278	0.9220	EXP 150 of 150	34.056464 ± 0.029397	0.9682	EXP 150 of 150
13D07604	13.9 %	0.1437984 ± 0.0009201	0.1518	EXP 150 of 150	2.7746800 ± 0.0290083	0.2122	EXP 150 of 150	0.2314052 ± 0.0251166	0.0018	EXP 150 of 150	13.3030877 ± 0.0261887	0.9191	EXP 149 of 150	39.167512 ± 0.028536	0.9485	EXP 150 of 150
13D07605	15.2 %	0.2125776 ± 0.0010903	0.4835	EXP 150 of 150	4.7824037 ± 0.0357678	0.3762	EXP 150 of 150	0.3253708 ± 0.0279054	0.0040	EXP 150 of 150	14.3988707 ± 0.0269414	0.9185	EXP 150 of 150	52.973310 ± 0.033729	0.5024	EXP 150 of 150
13D07606	16.7 %	0.2584443 ± 0.0011638	0.5867	EXP 150 of 150	6.7829394 ± 0.0306060	0.5518	EXP 150 of 150	0.3006915 ± 0.0293533	0.0030	EXP 150 of 150	12.9115426 ± 0.0260483	0.9059	EXP 150 of 150	60.603227 ± 0.032889	0.2254	EXP 150 of 150
13D07608	18.2 %	0.2561887 ± 0.0011192	0.5334	EXP 150 of 150	6.6090746 ± 0.0324809	0.5094	EXP 150 of 150	0.2063541 ± 0.0264798	0.0024	EXP 150 of 150	9.3586492 ± 0.0264910	0.8148	EXP 149 of 150	61.973345 ± 0.035302	0.5508	EXP 150 of 150
13D07609	19.7 %	0.2596775 ± 0.0012322	0.5347	EXP 150 of 150	5.8214871 ± 0.0313347	0.4716	EXP 150 of 150	0.1746251 ± 0.0292703	0.0023	EXP 150 of 150	6.8483604 ± 0.0229388	0.7793	EXP 150 of 150	65.029016 ± 0.033756	0.7634	EXP 150 of 150
13D07611	21.2 %	0.2511265 ± 0.0011075	0.5366	EXP 150 of 150	4.1878605 ± 0.0293753	0.3318	EXP 150 of 150	0.0590001 ± 0.0266945	0.0357	EXP 150 of 150	4.4085867 ± 0.0247822	0.4670	EXP 150 of 150	66.682127 ± 0.036025	0.8293	EXP 150 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
13D07566	1.8 %	Anthony Koppers	13-OSU-05	0.00	0.00	50.60	Galapagos\Balbas (13-19)	13D07565	01
13D07568	2.0 %	Anthony Koppers	13-OSU-05	0.00	0.00	50.60	Galapagos\Balbas (13-19)	13D07565	01
13D07569	2.2 %	Anthony Koppers	13-OSU-05	0.00	0.00	50.60	Galapagos\Balbas (13-19)	13D07565	01
13D07570	2.4 %	Anthony Koppers	13-OSU-05	0.00	0.00	50.60	Galapagos\Balbas (13-19)	13D07565	01
13D07572	2.7 %	Anthony Koppers	13-OSU-05	0.00	0.00	50.60	Galapagos\Balbas (13-19)	13D07565	01
13D07573	3.0 %	Anthony Koppers	13-OSU-05	0.00	0.00	50.60	Galapagos\Balbas (13-19)	13D07565	01
13D07574	3.3 %	Anthony Koppers	13-OSU-05	0.00	0.00	50.60	Galapagos\Balbas (13-19)	13D07565	01
13D07576	3.6 %	Anthony Koppers	13-OSU-05	0.00	0.00	50.60	Galapagos\Balbas (13-19)	13D07565	01
13D07577	3.9 %	Anthony Koppers	13-OSU-05	0.00	0.00	50.60	Galapagos\Balbas (13-19)	13D07565	01
13D07578	4.2 %	Anthony Koppers	13-OSU-05	0.00	0.00	50.60	Galapagos\Balbas (13-19)	13D07565	01
13D07580	4.5 %	Anthony Koppers	13-OSU-05	0.00	0.00	50.60	Galapagos\Balbas (13-19)	13D07565	01
13D07581	4.8 %	Anthony Koppers	13-OSU-05	0.00	0.00	50.60	Galapagos\Balbas (13-19)	13D07565	01
13D07582	5.1 %	Anthony Koppers	13-OSU-05	0.00	0.00	50.60	Galapagos\Balbas (13-19)	13D07565	01
13D07584	5.4 %	Anthony Koppers	13-OSU-05	0.00	0.00	50.60	Galapagos\Balbas (13-19)	13D07565	01
13D07585	5.7 %	Anthony Koppers	13-OSU-05	0.00	0.00	50.60	Galapagos\Balbas (13-19)	13D07565	01
13D07586	6.1 %	Anthony Koppers	13-OSU-05	0.00	0.00	50.60	Galapagos\Balbas (13-19)	13D07565	01
13D07588	6.5 %	Anthony Koppers	13-OSU-05	0.00	0.00	50.60	Galapagos\Balbas (13-19)	13D07565	01
13D07589	6.9 %	Anthony Koppers	13-OSU-05	0.00	0.00	50.60	Galapagos\Balbas (13-19)	13D07565	01
13D07590	7.3 %	Anthony Koppers	13-OSU-05	0.00	0.00	50.60	Galapagos\Balbas (13-19)	13D07565	01
13D07592	7.8 %	Anthony Koppers	13-OSU-05	0.00	0.00	50.60	Galapagos\Balbas (13-19)	13D07565	01
13D07593	8.3 %	Anthony Koppers	13-OSU-05	0.00	0.00	50.60	Galapagos\Balbas (13-19)	13D07565	01
13D07594	8.8 %	Anthony Koppers	13-OSU-05	0.00	0.00	50.60	Galapagos\Balbas (13-19)	13D07565	01
13D07596	9.3 %	Anthony Koppers	13-OSU-05	0.00	0.00	50.60	Galapagos\Balbas (13-19)	13D07565	01
13D07597	9.9 %	Anthony Koppers	13-OSU-05	0.00	0.00	50.60	Galapagos\Balbas (13-19)	13D07565	01
13D07598	10.5 %	Anthony Koppers	13-OSU-05	0.00	0.00	50.60	Galapagos\Balbas (13-19)	13D07565	01
13D07600	11.2 %	Anthony Koppers	13-OSU-05	0.00	0.00	50.60	Galapagos\Balbas (13-19)	13D07565	01
13D07601	11.9 %	Anthony Koppers	13-OSU-05	0.00	0.00	50.60	Galapagos\Balbas (13-19)	13D07565	01
13D07602	12.8 %	Anthony Koppers	13-OSU-05	0.00	0.00	50.60	Galapagos\Balbas (13-19)	13D07565	01
13D07604	13.9 %	Anthony Koppers	13-OSU-05	0.00	0.00	50.60	Galapagos\Balbas (13-19)	13D07565	01
13D07605	15.2 %	Anthony Koppers	13-OSU-05	0.00	0.00	50.60	Galapagos\Balbas (13-19)	13D07565	01
13D07606	16.7 %	Anthony Koppers	13-OSU-05	0.00	0.00	50.60	Galapagos\Balbas (13-19)	13D07565	01
13D07608	18.2 %	Anthony Koppers	13-OSU-05	0.00	0.00	50.60	Galapagos\Balbas (13-19)	13D07565	01
13D07609	19.7 %	Anthony Koppers	13-OSU-05	0.00	0.00	50.60	Galapagos\Balbas (13-19)	13D07565	01
13D07611	21.2 %	Anthony Koppers	13-OSU-05	0.00	0.00	50.60	Galapagos\Balbas (13-19)	13D07565	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
13D07566	1.8 %	44B-Argon-1	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper (2008)	9.70761	0.167	0.00161908	0.167	302.771	0.096	0.99398853	0.063	1	4.8E-14	23	DEC	2013	10	24	1
13D07568	2.0 %	44B-Argon-1	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper (2008)	9.70761	0.167	0.00161908	0.167	302.771	0.096	0.99398853	0.063	1	4.8E-14	23	DEC	2013	10	49	1
13D07569	2.2 %	44B-Argon-1	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper (2008)	9.70761	0.167	0.00161908	0.167	302.771	0.096	0.99398853	0.063	1	4.8E-14	23	DEC	2013	11	1	1
13D07570	2.4 %	44B-Argon-1	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper (2008)	9.70761	0.167	0.00161908	0.167	302.771	0.096	0.99398853	0.063	1	4.8E-14	23	DEC	2013	11	14	1
13D07572	2.7 %	44B-Argon-1	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper (2008)	9.70761	0.167	0.00161908	0.167	302.771	0.096	0.99398853	0.063	1	4.8E-14	23	DEC	2013	11	39	1
13D07573	3.0 %	44B-Argon-1	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper (2008)	9.70761	0.167	0.00161908	0.167	302.771	0.096	0.99398853	0.063	1	4.8E-14	23	DEC	2013	11	51	1
13D07574	3.3 %	44B-Argon-1	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper (2008)	9.70761	0.167	0.00161908	0.167	302.771	0.096	0.99398853	0.063	1	4.8E-14	23	DEC	2013	12	4	1
13D07576	3.6 %	44B-Argon-1	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper (2008)	9.70761	0.167	0.00161908	0.167	302.771	0.096	0.99398853	0.063	1	4.8E-14	23	DEC	2013	12	28	1
13D07577	3.9 %	44B-Argon-1	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper (2008)	9.70761	0.167	0.00161908	0.167	302.771	0.096	0.99398853	0.063	1	4.8E-14	23	DEC	2013	12	41	1
13D07578	4.2 %	44B-Argon-1	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper (2008)	9.70761	0.167	0.00161908	0.167	302.771	0.096	0.99398853	0.063	1	4.8E-14	23	DEC	2013	12	53	1
13D07580	4.5 %	44B-Argon-1	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper (2008)	9.70761	0.167	0.00161908	0.167	302.771	0.096	0.99398853	0.063	1	4.8E-14	23	DEC	2013	13	18	1
13D07581	4.8 %	44B-Argon-1	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper (2008)	9.70761	0.167	0.00161908	0.167	302.771	0.096	0.99398853	0.063	1	4.8E-14	23	DEC	2013	13	31	1
13D07582	5.1 %	44B-Argon-1	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper (2008)	9.70761	0.167	0.00161908	0.167	302.771	0.096	0.99398853	0.063	1	4.8E-14	23	DEC	2013	13	43	1
13D07584	5.4 %	44B-Argon-1	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper (2008)	9.70761	0.167	0.00161908	0.167	302.771	0.096	0.99398853	0.063	1	4.8E-14	23	DEC	2013	14	8	1
13D07585	5.7 %	44B-Argon-1	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper (2008)	9.70761	0.167	0.00161908	0.167	302.771	0.096	0.99398853	0.063	1	4.8E-14	23	DEC	2013	14	20	1
13D07586	6.1 %	44B-Argon-1	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper (2008)	9.70761	0.167	0.00161908	0.167	302.771	0.096	0.99398853	0.063	1	4.8E-14	23	DEC	2013	14	33	1
13D07588	6.5 %	44B-Argon-1	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper (2008)	9.70761	0.167	0.00161908	0.167	302.771	0.096	0.99398853	0.063	1	4.8E-14	23	DEC	2013	14	58	1
13D07589	6.9 %	44B-Argon-1	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper (2008)	9.70761	0.167	0.00161908	0.167	302.771	0.096	0.99398853	0.063	1	4.8E-14	23	DEC	2013	15	10	1
13D07590	7.3 %	44B-Argon-1	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper (2008)	9.70761	0.167	0.00161908	0.167	302.771	0.096	0.99398853	0.063	1	4.8E-14	23	DEC	2013	15	22	1
13D07592	7.8 %	44B-Argon-1	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper (2008)	9.70761	0.167	0.00161908	0.167	302.771	0.096	0.99398853	0.063	1	4.8E-14	23	DEC	2013	15	47	1
13D07593	8.3 %	44B-Argon-1	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper (2008)	9.70761	0.167	0.00161908	0.167	302.771	0.096	0.99398853	0.063	1	4.8E-14	23	DEC	2013	16	0	1
13D07594	8.8 %	44B-Argon-1	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper (2008)	9.70761	0.167	0.00161908	0.167	302.771	0.096	0.99398853	0.063	1	4.8E-14	23	DEC	2013	16	12	1
13D07596	9.3 %	44B-Argon-1	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper (2008)	9.70761	0.167	0.00161908	0.167	302.771	0.096	0.99398853	0.063	1	4.8E-14	23	DEC	2013	16	37	1
13D07597	9.9 %	44B-Argon-1	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper (2008)	9.70761	0.167	0.00161908	0.167	302.771	0.096	0.99398853	0.063	1	4.8E-14	23	DEC	2013	16	49	1
13D07598	10.5 %	44B-Argon-1	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper (2008)	9.70761	0.167	0.00161908	0.167	302.771	0.096	0.99398853	0.063	1	4.8E-14	23	DEC	2013	17	2	1
13D07600	11.2 %	44B-Argon-1	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper (2008)	9.70761	0.167	0.00161908	0.167	302.771	0.096	0.99398853	0.063	1	4.8E-14	23	DEC	2013	17	27	1
13D07601	11.9 %	44B-Argon-1	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper (2008)	9.70761	0.167	0.00161908	0.167	302.771	0.096	0.99398853	0.063	1	4.8E-14	23	DEC	2013	17	39	1
13D07602	12.8 %	44B-Argon-1	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper (2008)	9.70761	0.167	0.00161908	0.167	302.771	0.096	0.99398853	0.063	1	4.8E-14	23	DEC	2013	17	51	1
13D07604	13.9 %	44B-Argon-1	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper (2008)	9.70761	0.167	0.00161908	0.167	302.771	0.096	0.99398853	0.063	1	4.8E-14	23	DEC	2013	18	16	1
13D07605	15.2 %	44B-Argon-1	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper (2008)	9.70761	0.167	0.00161908	0.167	302.771	0.096	0.99398853	0.063	1	4.8E-14	23	DEC	2013	18	29	1
13D07606	16.7 %	44B-Argon-1	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper (2008)	9.70761	0.167	0.00161908	0.167	302.771	0.096	0.99398853	0.063	1	4.8E-14	23	DEC	2013	18	41	1
13D07608	18.2 %	44B-Argon-1	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper (2008)	9.70761	0.167	0.00161908	0.167	302.771	0.096	0.99398853	0.063	1	4.8E-14	23	DEC	2013	19	6	1
13D07609	19.7 %	44B-Argon-1	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper (2008)	9.70761	0.167	0.00161908	0.167	302.771	0.096	0.99398853	0.063	1	4.8E-14	23	DEC	2013	19	18	1
13D07611	21.2 %	44B-Argon-1	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper (2008)	9.70761	0.167	0.00161908	0.167	302.771	0.096	0.99398853	0.063	1	4.8E-14	23	DEC	2013	19	43	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
13D07566	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
13D07568	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
13D07569	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
13D07570	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
13D07572	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
13D07573	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
13D07574	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
13D07576	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
13D07577	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
13D07578	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
13D07580	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
13D07581	4.8 %	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
13D07582	5.1 %	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
13D07584	5.4 %	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
13D07585	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
13D07586	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
13D07588	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
13D07589	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
13D07590	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
13D07592	7.8 %	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
13D07593	8.3 %	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
13D07594	8.8 %	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
13D07596	9.3 %	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
13D07597	9.9 %	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
13D07598	10.5 %	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
13D07600	11.2 %	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
13D07601	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
13D07602	12.8 %	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
13D07604	13.9 %	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
13D07605	15.2 %	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
13D07606	16.7 %	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
13D07608	18.2 %	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
13D07609	19.7 %	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
13D07611	21.2 %	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

13D07565.AGE >>> 44B-ARGON-1 >>> GALAPAGOS | BALBAS (13-19) PROJECT



Ar-Ages in ka

WEIGHTED PLATEAU
907.7 ± 8.5
TOTAL FUSION
911.6 ± 10.3
NORMAL ISOCHRON
882.5 ± 21.1
INVERSE ISOCHRON
883.5 ± 21.2

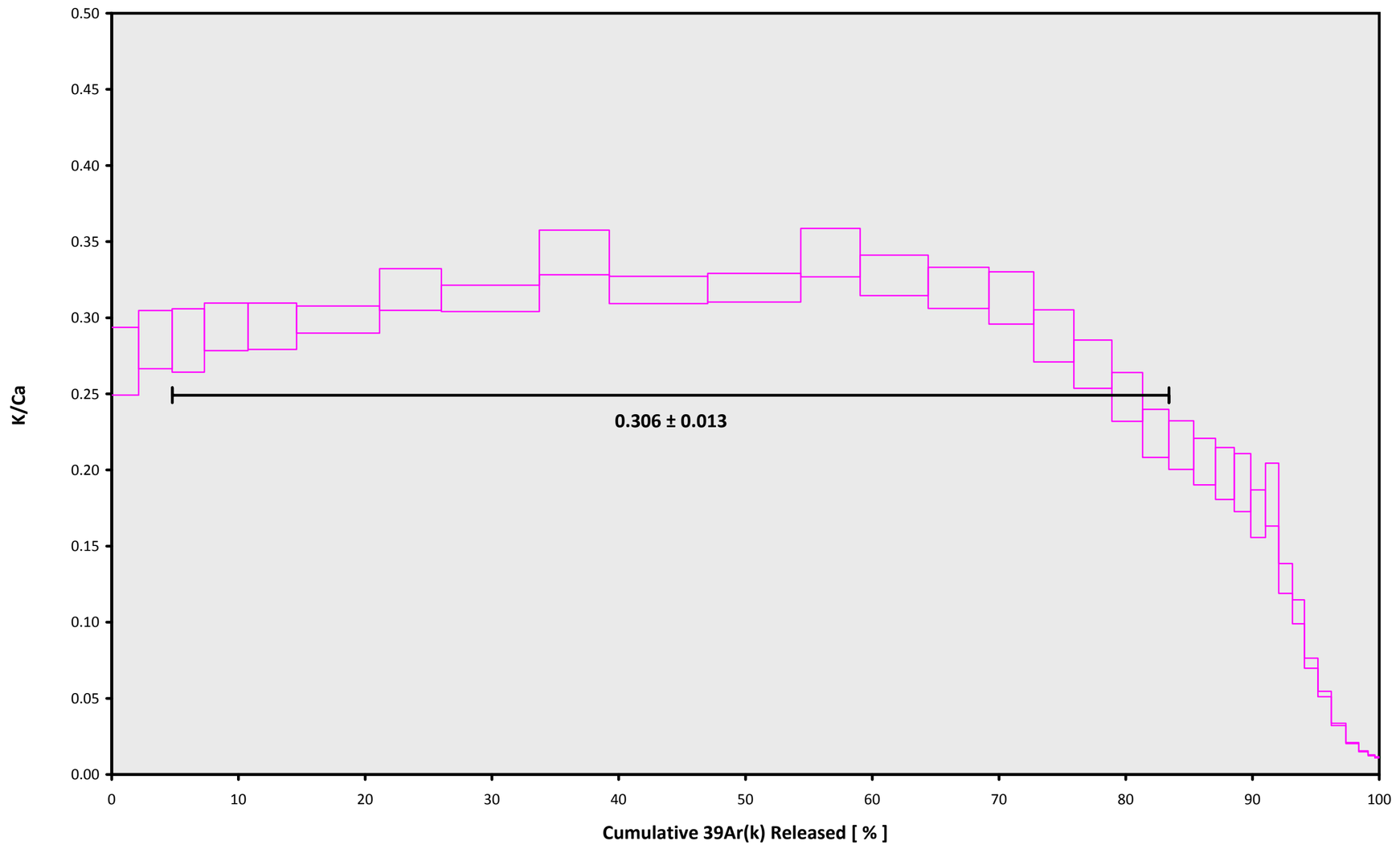
MSWD (PROBABILITY)
1.05 (40%)

Sample Info

Groundmass
Floreana Island
Anthony Koppers

IRR = 13-OSU-05
J = 0.00161908 ± 0.00000270

13D07565.AGE >>> 44B-ARGON-1 >>> GALAPAGOS | BALBAS (13-19) PROJECT



Ar-Ages in ka

WEIGHTED PLATEAU
907.7 ± 8.5
TOTAL FUSION
911.6 ± 10.3
NORMAL ISOCHRON
882.5 ± 21.1
INVERSE ISOCHRON
883.5 ± 21.2

Sample Info

Groundmass
Floreana Island
Anthony Koppers

IRR = 13-OSU-05
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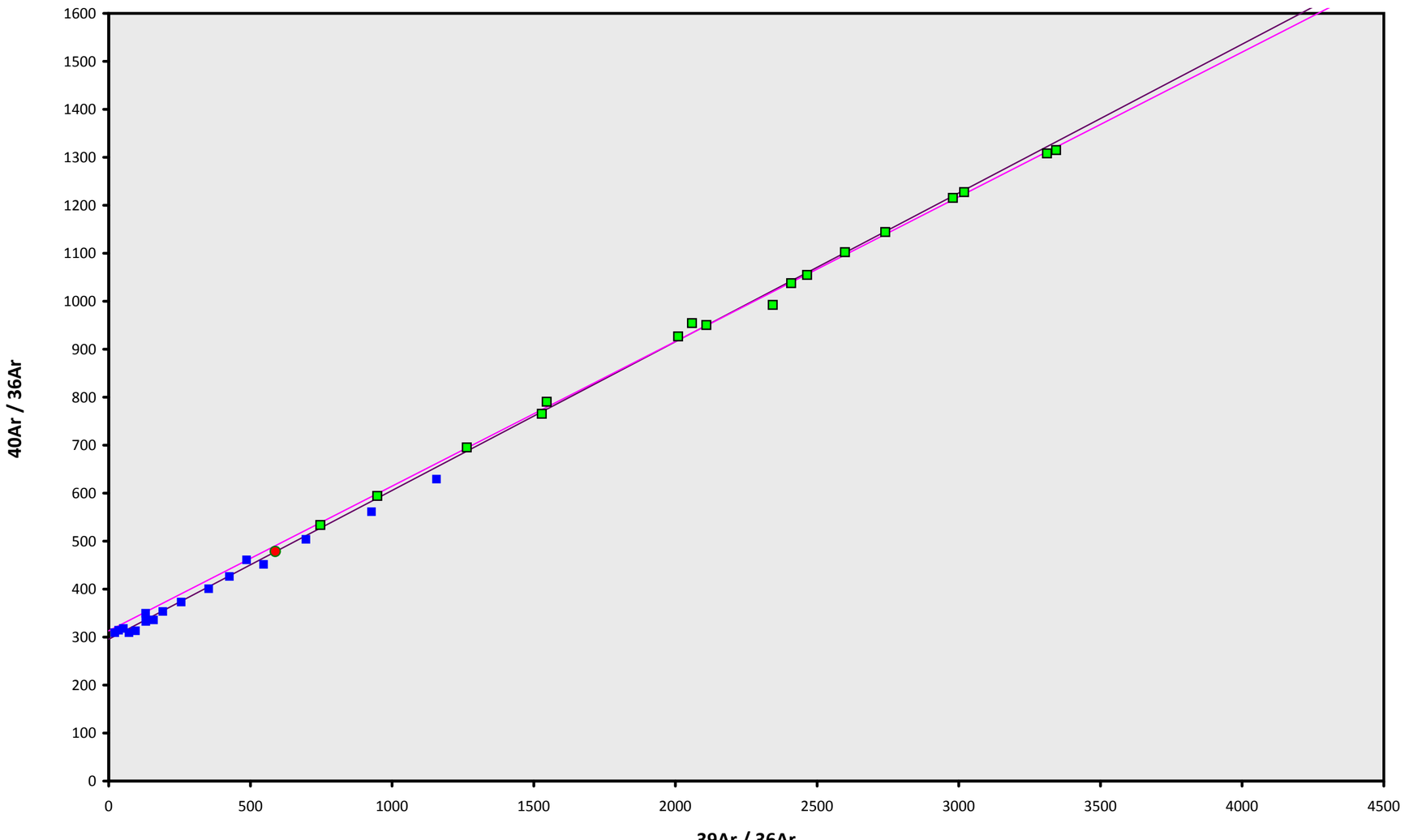
13D07565.AGE >>> 44B-ARGON-1 >>> GALAPAGOS | BALBAS (13-19) PROJECT



Ar-Ages in ka

WEIGHTED PLATEAU
907.7 ± 8.5
TOTAL FUSION
911.6 ± 10.3
NORMAL ISOCHRON
882.5 ± 21.1
INVERSE ISOCHRON
883.5 ± 21.2

MSWD (PROBABILITY)
0.70 (78%)

40AR/36AR INTERCEPT
313.1 ± 14.1

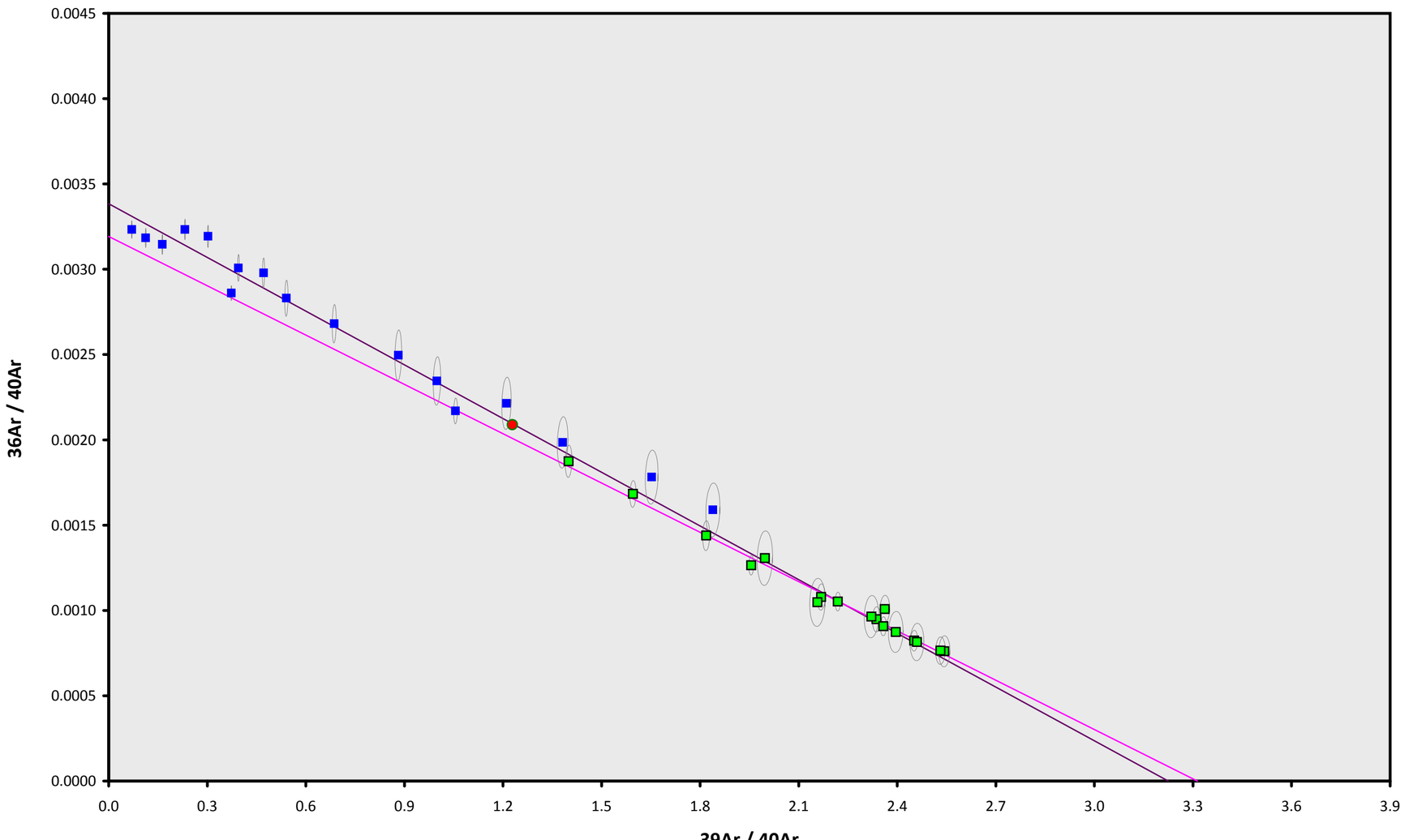
Sample Info

Groundmass
Floreana Island
Anthony Koppers

IRR = 13-OSU-05
J = 0.00161908 ± 0.00000270

OSU Argon Geochronology Lab
CEOAS Oregon State University, Corvallis, USA

13D07565.AGE >>> 44B-ARGON-1 >>> GALAPAGOS | BALBAS (13-19) PROJECT



Ar-Ages in ka

WEIGHTED PLATEAU
907.7 ± 8.5
TOTAL FUSION
911.6 ± 10.3
NORMAL ISOCHRON
882.5 ± 21.1
INVERSE ISOCHRON
883.5 ± 21.2

MSWD (PROBABILITY)
0.66 (83%)

SPREADING FACTOR
34.5%

40AR/36AR INTERCEPT
313.3 ± 14.3

Sample Info

Groundmass
Floreana Island
Anthony Koppers

IRR = 13-OSU-05
J = 0.00161908 ± 0.00000270