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
13D07660	1.8 %		7.322808	0.270	22.6056	8.869	1.550763	2.559	9.48666	0.396	2233.5841	0.011	7.54304 ± 1.23548	22621.2 ± 3682.1	3.20	0.99	0.180 ± 0.032
13D07662	2.0 %		0.407992	0.506	18.9989	10.384	0.219635	18.680	8.84575	0.436	127.0605	0.164	0.90155 ± 0.15038	2718.6 ± 453.1	6.27	0.93	0.200 ± 0.042
13D07663	2.2 %		0.196318	0.734	27.7354	7.748	0.227267	16.458	14.01471	0.281	62.6160	0.333	0.48121 ± 0.07201	1451.6 ± 217.1	10.76	1.47	0.217 ± 0.034
13D07664	2.4 %		0.119025	1.110	26.3707	7.641	0.207385	19.396	12.90232	0.289	38.5383	0.541	0.41872 ± 0.07301	1263.2 ± 220.2	14.00	1.35	0.210 ± 0.032
13D07666	2.7 %		0.156173	0.905	57.5106	3.552	0.409189	9.498	28.31797	0.151	52.1552	0.399	0.36872 ± 0.03492	1112.4 ± 105.3	19.99	2.97	0.211 ± 0.015
13D07667	3.0 %	✓	0.127142	1.007	59.9560	3.331	0.386912	10.149	29.14066	0.143	42.6007	0.488	0.33121 ± 0.03161	999.2 ± 95.3	22.62	3.05	0.209 ± 0.014
13D07668	3.3 %	✓	0.112460	1.163	67.9260	3.045	0.408239	9.869	31.01876	0.135	38.6786	0.538	0.34464 ± 0.03026	1039.8 ± 91.3	27.60	3.25	0.196 ± 0.012
13D07670	3.6 %	✓	0.129488	1.057	94.5346	2.147	0.537470	7.086	41.13165	0.111	44.5873	0.468	0.33134 ± 0.02351	999.6 ± 70.9	30.52	4.31	0.187 ± 0.008
13D07671	3.9 %	✓	0.124460	1.015	105.1362	1.951	0.623490	6.511	44.15237	0.112	42.9348	0.486	0.32367 ± 0.02076	976.5 ± 62.6	33.23	4.63	0.180 ± 0.007
13D07672	4.2 %	✓	0.141543	0.933	134.4311	1.594	0.714598	5.508	54.77051	0.093	48.8056	0.427	0.31733 ± 0.01734	957.4 ± 52.3	35.55	5.74	0.175 ± 0.006
13D07674	4.5 %	✓	0.102402	1.247	105.3650	1.937	0.573319	7.150	42.44071	0.115	35.6171	0.585	0.31840 ± 0.02173	960.6 ± 65.5	37.88	4.45	0.173 ± 0.007
13D07675	4.8 %	✓	0.118184	1.028	129.9494	1.663	0.712688	5.093	49.21879	0.103	40.2225	0.519	0.31234 ± 0.01829	942.3 ± 55.2	38.15	5.16	0.163 ± 0.005
13D07676	5.1 %	✓	0.095262	1.345	102.4132	2.050	0.575131	6.567	39.50112	0.117	32.0698	0.649	0.30014 ± 0.02348	905.5 ± 70.8	36.90	4.14	0.166 ± 0.007
13D07678	5.4 %	✓	0.087369	1.363	95.9628	2.212	0.599302	6.656	37.57000	0.117	30.0698	0.694	0.31121 ± 0.02358	938.9 ± 71.1	38.82	3.94	0.168 ± 0.007
13D07679	5.7 %	✓	0.073993	1.627	81.9392	2.491	0.570432	6.790	32.03057	0.135	25.9400	0.802	0.32575 ± 0.02769	982.8 ± 83.5	40.15	3.36	0.168 ± 0.008
13D07680	6.1 %	✓	0.105204	1.204	112.0715	1.864	0.794601	4.792	44.12178	0.107	35.9919	0.578	0.30823 ± 0.02085	929.9 ± 62.9	37.72	4.62	0.169 ± 0.006
13D07682	6.5 %	✓	0.092439	1.329	93.0458	2.265	0.718388	5.180	37.93713	0.118	31.9844	0.651	0.31334 ± 0.02379	945.3 ± 71.8	37.10	3.97	0.175 ± 0.008
13D07683	6.9 %	✓	0.071901	1.630	66.1202	3.041	0.507721	7.664	27.15490	0.155	24.8229	0.838	0.32056 ± 0.03204	967.1 ± 96.6	35.01	2.84	0.176 ± 0.011
13D07684	7.3 %	✓	0.094452	1.276	83.3962	2.437	0.726558	5.435	33.27542	0.129	32.0380	0.650	0.31880 ± 0.02666	961.8 ± 80.4	33.06	3.49	0.171 ± 0.008
13D07686	7.8 %	✓	0.117025	1.124	91.2329	2.211	0.877980	4.236	35.25269	0.125	38.3913	0.542	0.30955 ± 0.02664	933.9 ± 80.4	28.37	3.69	0.166 ± 0.007
13D07687	8.3 %	✓	0.169780	0.856	107.5559	1.971	1.073633	3.718	40.88003	0.112	54.6715	0.381	0.31509 ± 0.02481	950.6 ± 74.8	23.52	4.28	0.163 ± 0.006
13D07688	8.8 %	✓	0.151026	0.900	73.1651	2.801	0.852836	4.350	26.53675	0.159	46.8873	0.445	0.30053 ± 0.03629	906.7 ± 109.5	16.98	2.78	0.156 ± 0.009
13D07690	9.3 %		0.223958	0.695	78.0189	2.707	1.049123	3.729	28.21826	0.145	67.6813	0.309	0.26958 ± 0.03778	813.4 ± 114.0	11.22	2.96	0.155 ± 0.008
13D07691	9.9 %		0.288858	0.622	66.7690	3.072	1.053283	3.713	25.05933	0.165	86.5695	0.241	0.25715 ± 0.04739	775.9 ± 143.0	7.43	2.62	0.161 ± 0.010
13D07692	10.5 %		0.298675	0.627	48.8349	4.204	0.846192	4.315	19.38231	0.198	88.9306	0.235	0.23209 ± 0.06342	700.3 ± 191.3	5.05	2.03	0.170 ± 0.014
13D07694	11.2 %		0.635746	0.396	72.1846	2.938	1.431323	2.684	26.54662	0.153	184.3255	0.114	0.08038 ± 0.05973	242.6 ± 180.2	1.16	2.78	0.158 ± 0.009
13D07695	11.9 %		0.781256	0.397	69.8457	2.963	1.405207	2.660	24.49456	0.165	225.8530	0.093	0.01965 ± 0.07807	59.3 ± 235.6	0.21	2.57	0.151 ± 0.009
13D07696	12.8 %		0.881680	0.393	88.7182	2.308	1.324247	2.828	22.82015	0.174	253.8403	0.083	0.01217 ± 0.09284	36.7 ± 280.2	0.11	2.39	0.110 ± 0.005
13D07698	13.9 %		1.057100	0.350	139.4509	1.557	1.386369	2.724	23.89566	0.168	305.0202	0.069	0.15166 ± 0.09479	457.6 ± 286.0	1.18	2.50	0.073 ± 0.002
13D07699	15.2 %		0.955914	0.355	196.7915	1.194	1.123551	3.779	19.44614	0.207	268.3211	0.078	0.06854 ± 0.10787	206.8 ± 325.5	0.49	2.03	0.042 ± 0.001
13D07700	16.7 %		1.084748	0.344	324.3588	0.837	1.211860	3.065	19.24039	0.201	295.0355	0.072	0.00068 ± 0.12023	2.0 ± 362.8	0.00	2.00	0.025 ± 0.000
13D07702	18.2 %		0.849065	0.371	338.8289	0.822	0.924412	4.278	13.96598	0.255	227.0626	0.093	0.20580 ± 0.14258	621.0 ± 430.1	1.25	1.44	0.017 ± 0.000
13D07703	19.7 %		0.574489	0.418	225.0972	1.069	0.561979	7.183	7.78249	0.496	152.4821	0.138	0.05722 ± 0.20018	172.7 ± 604.0	0.29	0.80	0.015 ± 0.000
13D07705	21.2 %		0.406701	0.492	146.2064	1.435	0.404164	9.574	4.82338	0.764	111.3234	0.189	0.56181 ± 0.27502	1694.6 ± 829.2	2.38	0.50	0.014 ± 0.000
		Σ	18.154636	0.126	3552.5274	0.350	26.589248	0.852	955.37650	0.026	5426.7130	0.023					

Information on Analysis and Constants Used in Calculations

Project = **BALBAS (13-19)**
Sample = **44C-ARGON-2**
Material = **Groundmass**
Location = **Floreana Island**
Region = **Galapagos**
Analyst = **Anthony Koppers**
Irradiation = **13-OSU-05**
Position = **X: 0 | Y: 0 | Z/H: 40 mm**
FCT-3 Age = **28.201 ± 0.023 Ma**
FCT-3 Reference = **Kuiper et al (2008)**
FCT-3 40Ar/39Ar Ratio = **9.41816 ± 0.01620**
FCT-3 J-value = **0.00166884 ± 0.00000287**
Air Shot 40Ar/36Ar = **302.7650 ± 0.2876**
Air Shot MDF = **0.99399337 ± 0.00062382 (LIN)**
Experiment Type = **Incremental Heating**
Extraction Method = **Bulk Laser Heating**
Heating = **77 sec**
Isolation = **5.52 min**
Instrument = **ARGUS-VI-D**
Preferred Age = **Inverse Isochron**
Age Classification = **Eruption Age**
IGSN = **IEKK1-44C-AR-2B**
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		0.31699 ± 0.00579 (± 1.83%)	**956.4 ± 17.8 (± 1.86%)**	0.69	67.69	0.171 ± 0.005
		Full External Error ± 28.0		81%	17	
		Analytical Error ± 17.5		1.71	2σ Confidence Limit	
				1.0000	Error Magnification	
Total Fusion Age		0.35569 ± 0.01457 (± 4.10%)	**1073.1 ± 44.1 (± 4.11%)**		34	0.115 ± 0.001
		Full External Error ± 50.3				
		Analytical Error ± 44.0				
Normal Isochron	**298.61 ± 7.96 (± 2.67%)**	0.30988 ± 0.01841 (± 5.94%)	**934.9 ± 55.6 (± 5.95%)**	0.69	67.69	
		Full External Error ± 59.5		80%	17	
		Analytical Error ± 55.5		1.73	2σ Confidence Limit	
				1.0000	Error Magnification	
				7	Number of Iterations	
				0.0000027447	Convergence	
Inverse Isochron	**298.83 ± 8.01 (± 2.68%)**	0.30973 ± 0.01838 (± 5.93%)	**934.5 ± 55.5 (± 5.94%)**	0.69	67.69	
		Full External Error ± 59.4		80%	17	
		Analytical Error ± 55.4		1.73	2σ Confidence Limit	
				1.0000	Error Magnification	
				4	Number of Iterations	
Notes				0.0003927681	Convergence	
A plateau with low and high temp recoil effects. From a heavily altered portion of the flow.				21%	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
13D07660	1.8 %		7.316768	22.6056	0.067686	9.47139	71.44311	22621.2 ± 3682.1	3.20	0.99	0.180 ± 0.032
13D07662	2.0 %		0.402922	18.9989	0.036696	8.83291	7.96332	2718.6 ± 453.1	6.27	0.93	0.200 ± 0.042
13D07663	2.2 %		0.188925	27.7354	0.021580	13.99597	6.73506	1451.6 ± 217.1	10.76	1.47	0.217 ± 0.034
13D07664	2.4 %		0.111993	26.3707	0.029546	12.88451	5.39498	1263.2 ± 220.2	14.00	1.35	0.210 ± 0.032
13D07666	2.7 %		0.140846	57.5106	0.038510	28.27911	10.42706	1112.4 ± 105.3	19.99	2.97	0.211 ± 0.015
13D07667	3.0 %	✓	0.111172	59.9560	0.011725	29.10015	9.63814	999.2 ± 95.3	22.62	3.05	0.209 ± 0.014
13D07668	3.3 %	✓	0.094367	67.9260	0.013090	30.97287	10.67463	1039.8 ± 91.3	27.60	3.25	0.196 ± 0.012
13D07670	3.6 %	✓	0.104308	94.5346	0.017101	41.06778	13.60733	999.6 ± 70.9	30.52	4.31	0.187 ± 0.008
13D07671	3.9 %	✓	0.096442	105.1362	0.067573	44.08134	14.26770	976.5 ± 62.6	33.23	4.63	0.180 ± 0.007
13D07672	4.2 %	✓	0.105735	134.4311	0.027333	54.67969	17.35170	957.4 ± 52.3	35.55	5.74	0.175 ± 0.006
13D07674	4.5 %	✓	0.074330	105.3650	0.042113	42.36952	13.49047	960.6 ± 65.5	37.88	4.45	0.173 ± 0.007
13D07675	4.8 %	✓	0.083549	129.9494	0.096647	49.13100	15.34581	942.3 ± 55.2	38.15	5.16	0.163 ± 0.005
13D07676	5.1 %	✓	0.067965	102.4132	0.080670	39.43193	11.83527	905.5 ± 70.8	36.90	4.14	0.166 ± 0.007
13D07678	5.4 %	✓	0.061775	95.9628	0.129641	37.50517	11.67196	938.9 ± 71.1	38.82	3.94	0.168 ± 0.007
13D07679	5.7 %	✓	0.052122	81.9392	0.170113	31.97522	10.41587	982.8 ± 83.5	40.15	3.36	0.168 ± 0.008
13D07680	6.1 %	✓	0.075286	112.0715	0.242565	44.04607	13.57653	929.9 ± 62.9	37.72	4.62	0.169 ± 0.006
13D07682	6.5 %	✓	0.067587	93.0458	0.243410	37.87426	11.86755	945.3 ± 71.8	37.10	3.97	0.175 ± 0.008
13D07683	6.9 %	✓	0.054243	66.1202	0.166672	27.11023	8.69035	967.1 ± 96.6	35.01	2.84	0.176 ± 0.011
13D07684	7.3 %	✓	0.072151	83.3962	0.307427	33.21908	10.59033	961.8 ± 80.4	33.06	3.49	0.171 ± 0.008
13D07686	7.8 %	✓	0.092600	91.2329	0.430739	35.19105	10.89344	933.9 ± 80.4	28.37	3.69	0.166 ± 0.007
13D07687	8.3 %	✓	0.140973	107.5559	0.548609	40.80737	12.85808	950.6 ± 74.8	23.52	4.28	0.163 ± 0.006
13D07688	8.8 %	✓	0.131390	73.1651	0.504357	26.48732	7.96027	906.7 ± 109.5	16.98	2.78	0.156 ± 0.009
13D07690	9.3 %		0.202981	78.0189	0.666725	28.16555	7.59291	813.4 ± 114.0	11.22	2.96	0.155 ± 0.008
13D07691	9.9 %		0.270868	66.7690	0.696918	25.01422	6.43247	775.9 ± 143.0	7.43	2.62	0.161 ± 0.010
13D07692	10.5 %		0.285502	48.8349	0.556534	19.34932	4.49074	700.3 ± 191.3	5.05	2.03	0.170 ± 0.014
13D07694	11.2 %		0.616224	72.1846	0.992172	26.49785	2.13001	242.6 ± 180.2	1.16	2.78	0.158 ± 0.009
13D07695	11.9 %		0.762366	69.8457	0.963579	24.44737	0.48048	59.3 ± 235.6	0.21	2.57	0.151 ± 0.009
13D07696	12.8 %		0.857788	88.7182	0.883728	22.76021	0.27708	36.7 ± 280.2	0.11	2.39	0.110 ± 0.005
13D07698	13.9 %		1.019693	139.4509	0.899420	23.80145	3.60985	457.6 ± 286.0	1.18	2.50	0.073 ± 0.002
13D07699	15.2 %		0.903295	196.7915	0.708239	19.31318	1.32368	206.8 ± 325.5	0.49	2.03	0.042 ± 0.001
13D07700	16.7 %		0.998138	324.3588	0.773174	19.02125	0.01291	2.0 ± 362.8	0.00	2.00	0.025 ± 0.000
13D07702	18.2 %		0.758656	338.8289	0.593021	13.73707	2.82714	621.0 ± 430.1	1.25	1.44	0.017 ± 0.000
13D07703	19.7 %		0.514438	225.0972	0.357867	7.63042	0.43662	172.7 ± 604.0	0.29	0.80	0.015 ± 0.000
13D07705	21.2 %		0.367686	146.2064	0.268104	4.72460	2.65431	1694.6 ± 829.2	2.38	0.50	0.014 ± 0.000
		Σ	17.205085	3552.5274	11.653287	952.97641	338.96714				

Information on Analysis

Project = **BALBAS (13-19)**
Sample = **44C-ARGON-2**
Material = **Groundmass**
Location = **Floreana Island**
Region = **Galapagos**
Analyst = **Anthony Koppers**
Irradiation = **13-OSU-05**
J = **0.00166884 ± 0.00000287**
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	0.31699	± 0.00579 ± 1.83%	**956.4**	**± 17.8** **± 1.86%**	0.69 81%	67.69 17	0.171 ± 0.005
		Full External Error		± 28.0	1.71	2σ Confidence Limit	
		Analytical Error		± 17.5	1.0000	Error Magnification	
Total Fusion Age	0.35569	± 0.01457 ± 4.10%	**1073.1**	**± 44.1** **± 4.11%**		34	0.115 ± 0.001
		Full External Error		± 50.3			
		Analytical Error		± 44.0			

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
13D07660	1.8 %		1.29 ± 0.01	305.26 ± 1.65	0.5619
13D07662	2.0 %		21.92 ± 0.30	315.26 ± 3.49	0.7359
13D07663	2.2 %		74.08 ± 1.29	331.15 ± 5.87	0.8762
13D07664	2.4 %		115.05 ± 3.00	343.67 ± 9.51	0.8972
13D07666	2.7 %		200.78 ± 4.36	369.53 ± 8.48	0.9281
13D07667	3.0 %	✓	261.76 ± 6.57	382.20 ± 10.25	0.9247
13D07668	3.3 %	✓	328.22 ± 9.92	408.62 ± 13.06	0.9375
13D07670	3.6 %	✓	393.72 ± 11.15	425.95 ± 12.67	0.9459
13D07671	3.9 %	✓	457.08 ± 13.09	443.44 ± 13.38	0.9434
13D07672	4.2 %	✓	517.14 ± 14.12	459.60 ± 13.12	0.9516
13D07674	4.5 %	✓	570.02 ± 21.33	476.99 ± 18.68	0.9521
13D07675	4.8 %	✓	588.05 ± 18.97	479.17 ± 16.22	0.9493
13D07676	5.1 %	✓	580.18 ± 23.92	469.64 ± 20.28	0.9517
13D07678	5.4 %	✓	607.13 ± 25.96	484.44 ± 21.76	0.9491
13D07679	5.7 %	✓	613.47 ± 31.15	495.34 ± 26.35	0.9516
13D07680	6.1 %	✓	585.05 ± 21.55	475.83 ± 18.35	0.9519
13D07682	6.5 %	✓	560.37 ± 22.44	471.09 ± 19.82	0.9487
13D07683	6.9 %	✓	499.79 ± 23.81	455.71 ± 22.98	0.9406
13D07684	7.3 %	✓	460.41 ± 16.91	442.28 ± 17.20	0.9397
13D07686	7.8 %	✓	380.03 ± 11.70	413.14 ± 13.45	0.9394
13D07687	8.3 %	✓	289.47 ± 6.44	386.71 ± 9.06	0.9404
13D07688	8.8 %	✓	201.59 ± 4.54	356.08 ± 8.55	0.9192
13D07690	9.3 %		138.76 ± 2.30	332.91 ± 5.81	0.9205
13D07691	9.9 %		92.35 ± 1.32	319.25 ± 4.69	0.9187
13D07692	10.5 %		67.77 ± 0.97	311.23 ± 4.50	0.9082
13D07694	11.2 %		43.00 ± 0.38	298.96 ± 2.60	0.9064
13D07695	11.9 %		32.07 ± 0.29	296.13 ± 2.51	0.9056
13D07696	12.8 %		26.53 ± 0.24	295.82 ± 2.47	0.9011
13D07698	13.9 %		23.34 ± 0.19	299.04 ± 2.24	0.8933
13D07699	15.2 %		21.38 ± 0.19	296.97 ± 2.32	0.8592
13D07700	16.7 %		19.06 ± 0.16	295.51 ± 2.29	0.8666
13D07702	18.2 %		18.11 ± 0.18	299.23 ± 2.61	0.8338
13D07703	19.7 %		14.83 ± 0.21	296.35 ± 2.98	0.6634
13D07705	21.2 %		12.85 ± 0.25	302.72 ± 3.61	0.5565

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ka)	MSWD
Normal Isochron	**298.61 ± 7.96 ± 2.67%**	0.30988 ± 0.01841 ± 5.94%	**934.9 ± 55.6 ± 5.95%**	0.69 80%
			Full External Error ± 59.5	
			Analytical Error ± 55.5	

Statistics				
	2σ Confidence Limit	1.73	Convergence	0.000002744707
	Error Magnification	1.0000	Number of Iterations	7
	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.
13D07660	1.8 %		0.0042405 ± 0.0000337	0.00327585 ± 0.00001771	0.0010
13D07662	2.0 %		0.0695359 ± 0.0006496	0.00317195 ± 0.00003513	0.1045
13D07663	2.2 %		0.2237118 ± 0.0019539	0.00301979 ± 0.00005352	0.2878
13D07664	2.4 %		0.3347579 ± 0.0041134	0.00290975 ± 0.00008051	0.3451
13D07666	2.7 %		0.5433370 ± 0.0046456	0.00270613 ± 0.00006207	0.3264
13D07667	3.0 %	✓	0.6848799 ± 0.0069910	0.00261646 ± 0.00007014	0.3507
13D07668	3.3 %	✓	0.8032351 ± 0.0089368	0.00244727 ± 0.00007824	0.3275
13D07670	3.6 %	✓	0.9243186 ± 0.0089197	0.00234767 ± 0.00006984	0.3070
13D07671	3.9 %	✓	1.0307511 ± 0.0103178	0.00225509 ± 0.00006804	0.3152
13D07672	4.2 %	✓	1.1251768 ± 0.0098769	0.00217578 ± 0.00006213	0.2936
13D07674	4.5 %	✓	1.1950193 ± 0.0143115	0.00209647 ± 0.00008209	0.2946
13D07675	4.8 %	✓	1.2272127 ± 0.0130582	0.00208693 ± 0.00007064	0.3026
13D07676	5.1 %	✓	1.2353721 ± 0.0163840	0.00212931 ± 0.00009194	0.2976
13D07678	5.4 %	✓	1.2532464 ± 0.0177214	0.00206422 ± 0.00009270	0.3062
13D07679	5.7 %	✓	1.2384947 ± 0.0202494	0.00201882 ± 0.00010740	0.2989
13D07680	6.1 %	✓	1.2295290 ± 0.0145344	0.00210158 ± 0.00008105	0.2964
13D07682	6.5 %	✓	1.1895317 ± 0.0158209	0.00212275 ± 0.00008930	0.3061
13D07683	6.9 %	✓	1.0967239 ± 0.0187700	0.00219438 ± 0.00011065	0.3283
13D07684	7.3 %	✓	1.0409913 ± 0.0138501	0.00226101 ± 0.00008793	0.3291
13D07686	7.8 %	✓	0.9198636 ± 0.0102713	0.00242049 ± 0.00007881	0.3257
13D07687	8.3 %	✓	0.7485465 ± 0.0059659	0.00258592 ± 0.00006057	0.3132
13D07688	8.8 %	✓	0.5661367 ± 0.0053594	0.00280832 ± 0.00006744	0.3494
13D07690	9.3 %		0.4168125 ± 0.0028484	0.00300384 ± 0.00005240	0.3206
13D07691	9.9 %		0.2892691 ± 0.0016915	0.00313236 ± 0.00004597	0.2716
13D07692	10.5 %		0.2177589 ± 0.0013397	0.00321307 ± 0.00004646	0.2479
13D07694	11.2 %		0.1438348 ± 0.0005489	0.00334497 ± 0.00002905	0.1559
13D07695	11.9 %		0.1082894 ± 0.0004112	0.00337689 ± 0.00002861	0.1082
13D07696	12.8 %		0.0896942 ± 0.0003468	0.00338040 ± 0.00002818	0.0850
13D07698	13.9 %		0.0780556 ± 0.0002846	0.00334403 ± 0.00002503	0.0705
13D07699	15.2 %		0.0719977 ± 0.0003218	0.00336740 ± 0.00002628	0.0706
13D07700	16.7 %		0.0644869 ± 0.0002786	0.00338395 ± 0.00002624	0.0611
13D07702	18.2 %		0.0605130 ± 0.0003349	0.00334195 ± 0.00002918	0.0714
13D07703	19.7 %		0.0500510 ± 0.0005258	0.00337440 ± 0.00003390	0.0718
13D07705	21.2 %		0.0424472 ± 0.0006819	0.00330339 ± 0.00003939	0.0743

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ka)	MSWD
Inverse Isochron	**298.83 ± 8.01 ± 2.68%**	0.30973 ± 0.01838 ± 5.93%	**934.5 ± 55.5 ± 5.94%**	0.69 80%
			Full External Error ± 59.4	
			Analytical Error ± 55.4	

Statistics				
	2σ Confidence Limit	1.73	Convergence	0.0003927681
	Error Magnification	1.0000	Number of Iterations	4
	Number of Data Points	17	Calculated Line	Weighted York-2
	Spreading Factor	21.3%		

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
13D07660	1.8 %		7.316768	0.27	0.0000000	0.00	0.0060199	8.87	0.0000204	58.91	22.6056	8.87	1.3675039	0.27	0.0000000	0.00	0.113950	0.43	0.0016231	15.59	0.067686	58.91	9.47139	0.40	0.0152724	8.97	71.44311	8.18	2162.1048	0.27	0.0000000	0.00	0.0362091	2.69
13D07662	2.0 %		0.402922	0.53	0.0000000	0.00	0.0050594	10.39	0.0000110	111.83	18.9989	10.38	0.0753061	0.53	0.0000000	0.00	0.106269	0.47	0.0013641	16.50	0.036696	111.83	8.83291	0.44	0.0128357	10.47	7.96332	8.33	119.0634	0.53	0.0000000	0.00	0.0337682	2.70
13D07663	2.2 %		0.188925	0.82	0.0000000	0.00	0.0073859	7.75	0.0000065	173.37	27.7354	7.75	0.0353101	0.82	0.0000000	0.00	0.168385	0.32	0.0019914	14.98	0.021580	173.37	13.99597	0.28	0.0187380	7.86	6.73506	7.48	55.8274	0.82	0.0000000	0.00	0.0535066	2.67
13D07664	2.4 %		0.111993	1.27	0.0000000	0.00	0.0070225	7.64	0.0000089	136.17	26.3707	7.64	0.0209316	1.27	0.0000000	0.00	0.155013	0.33	0.0018934	14.92	0.029546	136.17	12.88451	0.29	0.0178161	7.75	5.39498	8.71	33.0941	1.27	0.0000000	0.00	0.0492575	2.68
13D07666	2.7 %		0.140846	1.07	0.0000000	0.00	0.0153151	3.55	0.0000116	100.97	57.5106	3.55	0.0263241	1.07	0.0000000	0.00	0.340226	0.22	0.0041293	13.30	0.038510	100.97	28.27911	0.15	0.0388541	3.79	10.42706	4.73	41.6200	1.07	0.0000000	0.00	0.1081110	2.66
13D07667	3.0 %	✓	0.111172	1.25	0.0000000	0.00	0.0159663	3.33	0.0000035	335.02	59.9560	3.33	0.0207780	1.25	0.0000000	0.00	0.350104	0.21	0.0043048	13.25	0.011725	335.02	29.10015	0.14	0.0405063	3.58	9.63814	4.77	32.8513	1.25	0.0000000	0.00	0.1112499	2.66
13D07668	3.3 %	✓	0.094367	1.50	0.0000000	0.00	0.0180887	3.05	0.0000039	307.89	67.9260	3.04	0.0176372	1.50	0.0000000	0.00	0.372635	0.21	0.0048771	13.18	0.013090	307.89	30.97287	0.14	0.0458908	3.32	10.67463	4.39	27.8855	1.50	0.0000000	0.00	0.1184093	2.66
13D07670	3.6 %	✓	0.104308	1.41	0.0000000	0.00	0.0251746	2.15	0.0000051	222.87	94.5346	2.15	0.0194952	1.41	0.0000000	0.00	0.494087	0.20	0.0067876	13.00	0.017101	222.88	41.06778	0.11	0.0638676	2.52	13.60733	3.55	30.8230	1.41	0.0000000	0.00	0.1570021	2.66
13D07671	3.9 %	✓	0.096442	1.43	0.0000000	0.00	0.0279978	1.96	0.0000203	60.12	105.1362	1.95	0.0180250	1.43	0.0000000	0.00	0.530343	0.20	0.0075488	12.97	0.067573	60.13	44.08134	0.11	0.0710300	2.36	14.26770	3.20	28.4985	1.43	0.0000000	0.00	0.1685230	2.66
13D07672	4.2 %	✓	0.105735	1.36	0.0000000	0.00	0.0357990	1.60	0.0000082	144.15	134.4311	1.59	0.0197620	1.36	0.0000000	0.00	0.657851	0.19	0.0096522	12.92	0.027333	144.16	54.67969	0.09	0.0908216	2.07	17.35170	2.73	31.2448	1.36	0.0000000	0.00	0.2090404	2.66
13D07674	4.5 %	✓	0.074330	1.87	0.0000000	0.00	0.0280587	1.94	0.0000127	97.41	105.3650	1.94	0.0138923	1.87	0.0000000	0.00	0.509748	0.20	0.0075652	12.97	0.042113	97.42	42.36952	0.11	0.0711846	2.34	13.49047	3.41	21.9646	1.87	0.0000000	0.00	0.1619787	2.66
13D07675	4.8 %	✓	0.083549	1.61	0.0000000	0.00	0.0346055	1.67	0.0000291	37.61	129.9494	1.66	0.0156154	1.61	0.0000000	0.00	0.591095	0.19	0.0093304	12.93	0.096647	37.62	49.13100	0.10	0.0877938	2.12	15.34581	2.93	24.6888	1.61	0.0000000	0.00	0.1878278	2.66
13D07676	5.1 %	✓	0.067965	2.06	0.0000000	0.00	0.0272726	2.06	0.0000243	46.86	102.4132	2.05	0.0127027	2.06	0.0000000	0.00	0.474406	0.20	0.0073533	12.98	0.080670	46.87	39.43193	0.12	0.0691904	2.44	11.83527	3.91	20.0838	2.06	0.0000000	0.00	0.1507483	2.66
13D07678	5.4 %	✓	0.061775	2.13	0.0000000	0.00	0.0255549	2.22	0.0000391	30.80	95.9628	2.21	0.0115457	2.13	0.0000000	0.00	0.451225	0.20	0.0068901	13.01	0.129641	30.81	37.50517	0.12	0.0648325	2.58	11.67196	3.79	18.2545	2.13	0.0000000	0.00	0.1433823	2.66
13D07679	5.7 %	✓	0.052122	2.53	0.0000000	0.00	0.0218204	2.50	0.0000512	22.80	81.9392	2.49	0.0097415	2.53	0.0000000	0.00	0.384694	0.21	0.0058832	13.06	0.170113	22.82	31.97522	0.14	0.0553581	2.82	10.41587	4.25	15.4019	2.53	0.0000000	0.00	0.1222413	2.66
13D07680	6.1 %	✓	0.075286	1.84	0.0000000	0.00	0.0298446	1.87	0.0000731	15.74	112.0715	1.86	0.0140709	1.84	0.0000000	0.00	0.529918	0.19	0.0080467	12.95	0.242565	15.76	44.04607	0.11	0.0757155	2.28	13.57653	3.38	22.2470	1.84	0.0000000	0.00	0.1683881	2.66
13D07682	6.5 %	✓	0.067587	2.00	0.0000000	0.00	0.0247781	2.27	0.0000733	15.32	93.0458	2.27	0.0126321	2.00	0.0000000	0.00	0.455665	0.20	0.0066807	13.02	0.243410	15.35	37.87426	0.12	0.0628618	2.62	11.86755	3.79	19.9721	2.00	0.0000000	0.00	0.1447933	2.66
13D07683	6.9 %	✓	0.054243	2.38	0.0000000	0.00	0.0176078	3.04	0.0000502	23.37	66.1202	3.04	0.0101381	2.38	0.0000000	0.00	0.326163	0.22	0.0047474	13.18	0.166672	23.39	27.11023	0.16	0.0446708	3.32	8.69035	4.99	16.0289	2.38	0.0000000	0.00	0.1036424	2.66
13D07684	7.3 %	✓	0.072151	1.83	0.0000000	0.00	0.0222084	2.44	0.0000926	12.88	83.3962	2.44	0.0134851	1.83	0.0000000	0.00	0.399659	0.21	0.0059878	13.05	0.307427	12.92	33.21908	0.13	0.0563425	2.77	10.59033	4.18	21.3207	1.83	0.0000000	0.00	0.1269965	2.66
13D07686	7.8 %	✓	0.092600	1.53	0.0000000	0.00	0.0242953	2.22	0.0001298	8.69	91.2329	2.21	0.0173070	1.53	0.0000000	0.00	0.423384	0.20	0.0065505	13.01	0.430739	8.74	35.19105	0.13	0.0616369	2.58	10.89344	4.30	27.3634	1.53	0.0000000	0.00	0.1345354	2.66
13D07687	8.3 %	✓	0.140973	1.11	0.0000000	0.00	0.0286421	1.98	0.0001653	7.34	107.5559	1.97	0.0263478	1.11	0.0000000	0.00	0.490953	0.20	0.0077225	12.97	0.548609	7.40	40.80737	0.11	0.0726648	2.37	12.85808	3.94	41.6574	1.11	0.0000000	0.00	0.1560066	2.66
13D07688	8.8 %	✓	0.131390	1.11	0.0000000	0.00	0.0194839	2.81	0.0001520	7.42	73.1651	2.80	0.0245568	1.11	0.0000000	0.00	0.318669	0.23	0.0052533	13.12	0.504357	7.47	26.48732	0.16	0.0494303	3.10	7.96027	6.04	38.8258	1.11	0.0000000	0.00	0.1012610	2.66
13D07690	9.3 %		0.202981	0.82	0.0000000	0.00	0.0207764	2.71	0.0002010	5.94	78.0189	2.71	0.0379371	0.82	0.0000000	0.00	0.338860	0.22	0.0056018	13.10	0.666725	6.01	28.16555	0.15	0.0527096	3.01	7.59291	7.01	59.9808	0.82	0.0000000	0.00	0.1076769	2.66
13D07691	9.9 %		0.270868	0.69	0.0000000	0.00	0.0177806	3.08	0.0002101	5.69	66.7690	3.07	0.0506252	0.69	0.0000000	0.00	0.300946	0.23	0.0047940	13.18	0.696918	5.76	25.01422	0.16	0.0451092	3.34	6.43247	9.21	80.0414	0.69	0.0000000	0.00	0.0956294	2.67
13D07692	10.5 %		0.285502	0.68	0.0000000	0.00	0.0130047	4.21	0.0001678	6.63	48.8349	4.20	0.0533603	0.68	0.0000000	0.00	0.232792	0.26	0.0035063	13.49	0.556534	6.69	19.34932	0.20	0.0329929	4.41	4.49074	13.66	84.3659	0.68	0.0000000	0.00	0.0739724	2.67
13D07694	11.2 %		0.616224	0.42	0.0000000	0.00	0.0192228	2.94	0.0002991	3.98	72.1846	2.94	0.1151723	0.42	0.0000000	0.00	0.318796	0.22	0.0051829	13.15	0.992172	4.09	26.49785	0.15	0.0487679	3.22	2.13001	37.15	182.0942	0.42	0.0000000	0.00	0.1013013	2.66
13D07695	11.9 %		0.762366	0.41	0.0000000	0.00	0.0185999	2.97	0.0002905	3.99	69.8457	2.96	0.1424861	0.41	0.0000000	0.00	0.294126	0.23	0.0050149	13.16	0.963579	4.09	24.44737	0.17	0.0471878	3.24	0.48048	198.61	225.2790	0.41	0.0000000	0.00	0.0934623	2.67
13D07696	12.8 %		0.857788	0.41	0.0000000	0.00	0.0236257	2.31	0.0002664	4.34	88.7182	2.31	0.1603205	0.41	0.0000000	0.00	0.273828	0.24	0.0063700	13.03	0.883728	4.44	22.76021	0.17	0.0599380	2.66	0.27708	381.31	253.4763	0.41	0.0000000	0.00	0.0870123	2.67
13D07698	13.9 %		1.019693	0.37	0.0000000	0.00	0.0371358	1.56	0.0002712	4.30	139.4509	1.56	0.1905807	0.37	0.0000000	0.00	0.286355	0.23	0.0100126	12.91	0.899420	4.40	23.80145	0.17	0.0942130	2.04	3.60985	31.25	301.3194	0.37	0.0000000	0.00	0.0909929	2.67
13D07699	15.2 %		0.903295	0.38	0.0000000	0.00	0.0524056	1.20	0.0002136	6.07	196.7915	1.19	0.1688258	0.38	0.0000000	0.00	0.232357	0.26	0.0141296	12.88	0.708239	6.14	19.31318	0.21	0.1329523	1.78	1.32368	78.69	266.9236	0.38	0.0000000	0.00	0.0738343	2.67
13D07700	16.7 %		0.998138	0.38	0.0000000	0.00	0.0863768	0.85	0.0002332	4.91	324.3588	0.84	0.1865521	0.38	0.0000000	0.00	0.228845	0.26	0.0232890	12.85	0.773174	4.99	19.02125	0.20	0.2191368	1.56	0.01291	######	294.9499	0.38	0.0000000	0.00	0.0727182	2.67
13D07702	18.2 %		0.758656	0.43	0.0000000	0.00	0.0902301	0.84	0.0001788	6.75	338.8289	0.82	0.1417929	0.43	0.0000000	0.00	0.165271	0.31	0.0243279	12.85	0.593021	6.82	13.73707	0.26	0.2289128	1.55	2.82714	34.64	224.1830	0.43	0.0000000	0.00	0.0525168	2.67
13D07703	19.7 %		0.514438	0.48	0.0000000	0.00	0.0599434	1.08	0.0001079	11.33	225.0972	1.07	0.0961484	0.48	0.0000000	0.00	0.091802	0.53	0.0161620	12.86	0.357867	11.37	7.63042	0.51	0.1520757	1.70	0.43662	174.92	152.0163	0.48	0.0000000	0.00	0.0291711	2.71
13D07705	21.2 %		0.367686	0.57	0.0000000	0.00	0.0389348	1.44	0.0000809	14.47	146.2064	1.44	0.0687204	0.57	0.0000000	0.00	0.056842	0.80	0.0104976	12.90	0.268104	14.50	4.72460	0.78	0.0987771	1.95	2.65431	24.46	108.6511	0.57	0.0000000	0.00	0.0180621	2.77
		Σ	17.205085	0.13	0.0000000	0.00	0.9460381	0.35	0.0035128	1.96	3552.5274	0.35	3.2156304	0.13	0.0000000	0.00	11.465259	0.04	0.2550715	2.69	11.653287	1.97	952.97641	0.03	2.4000875	0.45	338.96714	2.05	5084.1026	0.13	0.0000000	0.00	3.6432288	0.50
		Σ							18.154636	0.13	3552.5274	0.35									26.589248	0.86			955.37650	0.03							5426.7130	0.18

Additional Parameters			40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
13D07660	1.8 %		235.444624	0.933304	2.382885	0.211550	0.771905	0.003700	185.344	38.993363	1.00130953	1.072E-10
13D07662	2.0 %		14.364013	0.066967	2.147802	0.223227	0.046123	0.000308	185.362	39.006737	1.00130965	6.099E-12
13D07663	2.2 %		4.467878	0.019484	1.979019	0.153440	0.014008	0.000110	185.370	39.013158	1.00130971	3.006E-12
13D07664	2.4 %		2.986926	0.018324	2.043876	0.156280	0.009225	0.000106	185.379	39.020115	1.00130977	1.850E-12
13D07666	2.7 %		1.841771	0.007857	2.030886	0.072197	0.005515	0.000051	185.396	39.032963	1.00130989	2.503E-12
13D07667	3.0 %	✓	1.461898	0.007441	2.057468	0.068605	0.004363	0.000044	185.405	39.039923	1.00130996	2.045E-12
13D07668	3.3 %	✓	1.246941	0.006915	2.189838	0.066742	0.003626	0.000042	185.413	39.046350	1.00131001	1.857E-12
13D07670	3.6 %	✓	1.084015	0.005211	2.298342	0.049416	0.003148	0.000033	185.431	39.059742	1.00131014	2.140E-12
13D07671	3.9 %	✓	0.972422	0.004847	2.381213	0.046523	0.002819	0.000029	185.440	39.066708	1.00131020	2.061E-12
13D07672	4.2 %	✓	0.891092	0.003893	2.454443	0.039185	0.002584	0.000024	185.448	39.073138	1.00131026	2.343E-12
13D07674	4.5 %	✓	0.839220	0.005002	2.482640	0.048182	0.002413	0.000030	185.465	39.086540	1.00131038	1.710E-12
13D07675	4.8 %	✓	0.817217	0.004327	2.640239	0.043992	0.002401	0.000025	185.474	39.092974	1.00131044	1.931E-12
13D07676	5.1 %	✓	0.811871	0.005358	2.592667	0.053235	0.002412	0.000033	185.483	39.099945	1.00131051	1.539E-12
13D07678	5.4 %	✓	0.800367	0.005631	2.554240	0.056583	0.002325	0.000032	185.500	39.113356	1.00131063	1.443E-12
13D07679	5.7 %	✓	0.809853	0.006589	2.558155	0.063825	0.002310	0.000038	185.508	39.119794	1.00131069	1.245E-12
13D07680	6.1 %	✓	0.815740	0.004798	2.540048	0.047416	0.002384	0.000029	185.517	39.126234	1.00131075	1.728E-12
13D07682	6.5 %	✓	0.843091	0.005581	2.452632	0.055630	0.002437	0.000033	185.534	39.139653	1.00131087	1.535E-12
13D07683	6.9 %	✓	0.914123	0.007790	2.434927	0.074147	0.002648	0.000043	185.543	39.146633	1.00131093	1.192E-12
13D07684	7.3 %	✓	0.962813	0.006379	2.506239	0.061158	0.002838	0.000036	185.551	39.153077	1.00131099	1.538E-12
13D07686	7.8 %	✓	1.089033	0.006058	2.587970	0.057310	0.003320	0.000038	185.569	39.166506	1.00131111	1.843E-12
13D07687	8.3 %	✓	1.337364	0.005313	2.631014	0.051953	0.004153	0.000036	185.577	39.172953	1.00131117	2.624E-12
13D07688	8.8 %	✓	1.766884	0.008344	2.757124	0.077354	0.005691	0.000052	185.586	39.179939	1.00131124	2.251E-12
13D07690	9.3 %		2.398494	0.008180	2.764838	0.074951	0.007937	0.000056	185.603	39.193377	1.00131136	3.249E-12
13D07691	9.9 %		3.454582	0.010084	2.664438	0.081959	0.011527	0.000074	185.612	39.199828	1.00131142	4.155E-12
13D07692	10.5 %		4.588235	0.014093	2.519562	0.106033	0.015410	0.000101	185.620	39.206281	1.00131148	4.269E-12
13D07694	11.2 %		6.943466	0.013224	2.719164	0.079984	0.023948	0.000102	185.637	39.219728	1.00131160	8.848E-12
13D07695	11.9 %		9.220537	0.017467	2.851478	0.084621	0.031895	0.000137	185.647	39.226722	1.00131166	1.084E-11
13D07696	12.8 %		11.123520	0.021442	3.887713	0.090000	0.038636	0.000166	185.655	39.233179	1.00131172	1.218E-11
13D07698	13.9 %		12.764671	0.023167	5.835824	0.091381	0.044238	0.000172	185.672	39.246635	1.00131184	1.464E-11
13D07699	15.2 %		13.798171	0.030603	10.119825	0.122634	0.049157	0.000202	185.681	39.253096	1.00131190	1.288E-11
13D07700	16.7 %		15.334179	0.032672	16.858228	0.145082	0.056379	0.000225	185.690	39.260096	1.00131197	1.416E-11
13D07702	18.2 %		16.258264	0.044135	24.261013	0.208798	0.060795	0.000274	185.707	39.273561	1.00131209	1.090E-11
13D07703	19.7 %		19.592967	0.100839	28.923538	0.340877	0.073818	0.000479	185.715	39.280026	1.00131215	7.319E-12
13D07705	21.2 %		23.079981	0.181568	30.312047	0.492843	0.084319	0.000766	185.733	39.293498	1.00131227	5.344E-12

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
13D07660	1.8 %	0.0179252 ± 0.0008641	0.0135991 ± 0.0405481	0.0121218 ± 0.0269466	0.0393996 ± 0.0254224	5.2651417 ± 0.2063709
13D07662	2.0 %	0.0183799 ± 0.0008641	0.0135991 ± 0.0405481	0.0003036 ± 0.0269466	0.0415010 ± 0.0254224	5.3425514 ± 0.2063709
13D07663	2.2 %	0.0185489 ± 0.0008641	0.0135991 ± 0.0405481	0.0052362 ± 0.0269466	0.0423964 ± 0.0254224	5.3747477 ± 0.2063709
13D07664	2.4 %	0.0187003 ± 0.0008641	0.0135991 ± 0.0405481	0.0099125 ± 0.0269466	0.0432788 ± 0.0254224	5.4062810 ± 0.2063709
13D07666	2.7 %	0.0189040 ± 0.0008641	0.0135991 ± 0.0405481	0.0169413 ± 0.0269466	0.0446588 ± 0.0254224	5.4560620 ± 0.2063709
13D07667	3.0 %	0.0189790 ± 0.0008641	0.0135991 ± 0.0405481	0.0199935 ± 0.0269466	0.0452665 ± 0.0254224	5.4788246 ± 0.2063709
13D07668	3.3 %	0.0190293 ± 0.0008641	0.0135991 ± 0.0405481	0.0224053 ± 0.0269466	0.0457382 ± 0.0254224	5.4974238 ± 0.2063709
13D07670	3.6 %	0.0190855 ± 0.0008641	0.0135991 ± 0.0405481	0.0263674 ± 0.0269466	0.0464402 ± 0.0254224	5.5293324 ± 0.2063709
13D07671	3.9 %	0.0190934 ± 0.0008641	0.0135991 ± 0.0405481	0.0279536 ± 0.0269466	0.0466537 ± 0.0254224	5.5425653 ± 0.2063709
13D07672	4.2 %	0.0190903 ± 0.0008641	0.0135991 ± 0.0405481	0.0291820 ± 0.0269466	0.0467583 ± 0.0254224	5.5529025 ± 0.2063709
13D07674	4.5 %	0.0190589 ± 0.0008641	0.0135991 ± 0.0405481	0.0311576 ± 0.0269466	0.0466919 ± 0.0254224	5.5690905 ± 0.2063709
13D07675	4.8 %	0.0190350 ± 0.0008641	0.0135991 ± 0.0405481	0.0318869 ± 0.0269466	0.0465249 ± 0.0254224	5.5744791 ± 0.2063709
13D07676	5.1 %	0.0190047 ± 0.0008641	0.0135991 ± 0.0405481	0.0325575 ± 0.0269466	0.0462466 ± 0.0254224	5.5786947 ± 0.2063709
13D07678	5.4 %	0.0189385 ± 0.0008641	0.0135991 ± 0.0405481	0.0335996 ± 0.0269466	0.0454336 ± 0.0254224	5.5823549 ± 0.2063709
13D07679	5.7 %	0.0189051 ± 0.0008641	0.0135991 ± 0.0405481	0.0340251 ± 0.0269466	0.0449176 ± 0.0254224	5.5821480 ± 0.2063709
13D07680	6.1 %	0.0188718 ± 0.0008641	0.0135991 ± 0.0405481	0.0344238 ± 0.0269466	0.0443231 ± 0.0254224	5.5807253 ± 0.2063709
13D07682	6.5 %	0.0188054 ± 0.0008641	0.0135991 ± 0.0405481	0.0352223 ± 0.0269466	0.0428452 ± 0.0254224	5.5739858 ± 0.2063709
13D07683	6.9 %	0.0187736 ± 0.0008641	0.0135991 ± 0.0405481	0.0356421 ± 0.0269466	0.0419563 ± 0.0254224	5.5685097 ± 0.2063709
13D07684	7.3 %	0.0187463 ± 0.0008641	0.0135991 ± 0.0405481	0.0360412 ± 0.0269466	0.0410679 ± 0.0254224	5.5622690 ± 0.2063709
13D07686	7.8 %	0.0186969 ± 0.0008641	0.0135991 ± 0.0405481	0.0369184 ± 0.0269466	0.0390262 ± 0.0254224	5.5455882 ± 0.2063709
13D07687	8.3 %	0.0186765 ± 0.0008641	0.0135991 ± 0.0405481	0.0373596 ± 0.0269466	0.0379640 ± 0.0254224	5.5357817 ± 0.2063709
13D07688	8.8 %	0.0186568 ± 0.0008641	0.0135991 ± 0.0405481	0.0378461 ± 0.0269466	0.0367608 ± 0.0254224	5.5237984 ± 0.2063709
13D07690	9.3 %	0.0186238 ± 0.0008641	0.0135991 ± 0.0405481	0.0387714 ± 0.0269466	0.0343185 ± 0.0254224	5.4965964 ± 0.2063709
13D07691	9.9 %	0.0186093 ± 0.0008641	0.0135991 ± 0.0405481	0.0391875 ± 0.0269466	0.0330986 ± 0.0254224	5.4814875 ± 0.2063709
13D07692	10.5 %	0.0185947 ± 0.0008641	0.0135991 ± 0.0405481	0.0395663 ± 0.0269466	0.0318563 ± 0.0254224	5.4649636 ± 0.2063709
13D07694	11.2 %	0.0185604 ± 0.0008641	0.0135991 ± 0.0405481	0.0401586 ± 0.0269466	0.0292255 ± 0.0254224	5.4256678 ± 0.2063709
13D07695	11.9 %	0.0185381 ± 0.0008641	0.0135991 ± 0.0405481	0.0403119 ± 0.0269466	0.0278517 ± 0.0254224	5.4024289 ± 0.2063709
13D07696	12.8 %	0.0185132 ± 0.0008641	0.0135991 ± 0.0405481	0.0403249 ± 0.0269466	0.0265909 ± 0.0254224	5.3791346 ± 0.2063709
13D07698	13.9 %	0.0184421 ± 0.0008641	0.0135991 ± 0.0405481	0.0398320 ± 0.0269466	0.0240227 ± 0.0254224	5.3244339 ± 0.2063709
13D07699	15.2 %	0.0183956 ± 0.0008641	0.0135991 ± 0.0405481	0.0392812 ± 0.0269466	0.0228357 ± 0.0254224	5.2949631 ± 0.2063709
13D07700	16.7 %	0.0183336 ± 0.0008641	0.0135991 ± 0.0405481	0.0384014 ± 0.0269466	0.0215970 ± 0.0254224	5.2604777 ± 0.2063709
13D07702	18.2 %	0.0181722 ± 0.0008641	0.0135991 ± 0.0405481	0.0357090 ± 0.0269466	0.0193960 ± 0.0254224	5.1860193 ± 0.2063709
13D07703	19.7 %	0.0180707 ± 0.0008641	0.0135991 ± 0.0405481	0.0338618 ± 0.0269466	0.0184449 ± 0.0254224	5.1461425 ± 0.2063709
13D07705	21.2 %	0.0177976 ± 0.0008641	0.0135991 ± 0.0405481	0.0286107 ± 0.0269466	0.0167397 ± 0.0254224	5.0535166 ± 0.2063709

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)
13D07660	1.8 %	7.0802113 ± 0.0060843	0.9861	EXP 150 of 150	0.5828979 ± 0.0299195	0.0089	EXP 149 of 150	1.5442586 ± 0.0284206	0.0683	EXP 150 of 150	9.4568588 ± 0.0266742	0.7612	EXP 150 of 150	2243.45752 ± 0.11328	0.9999	EXP 150 of 150
13D07662	2.0 %	0.4118571 ± 0.0014860	0.7259	EXP 150 of 150	0.4919028 ± 0.0285592	0.0177	EXP 150 of 150	0.2166938 ± 0.0302790	0.0072	EXP 150 of 150	8.8227198 ± 0.0281284	0.7833	EXP 150 of 150	132.66516 ± 0.03450	0.9958	EXP 150 of 150
13D07663	2.2 %	0.2078823 ± 0.0009755	0.4765	EXP 149 of 150	0.7117305 ± 0.0355912	0.0026	EXP 150 of 150	0.2193011 ± 0.0252881	0.0084	EXP 150 of 150	13.9548623 ± 0.0284129	0.9068	EXP 150 of 150	68.11993 ± 0.03425	0.9448	EXP 150 of 150
13D07664	2.4 %	0.1334906 ± 0.0008890	0.1752	EXP 150 of 150	0.6772631 ± 0.0302255	0.0114	EXP 150 of 150	0.1949812 ± 0.0292101	0.0095	EXP 150 of 150	12.8514757 ± 0.0257715	0.9135	EXP 150 of 150	44.02408 ± 0.03224	0.0557	EXP 150 of 150
13D07666	2.7 %	0.1695207 ± 0.0009805	0.2596	EXP 150 of 150	1.4604720 ± 0.0305231	0.0173	EXP 149 of 150	0.3873332 ± 0.0273527	0.0195	EXP 150 of 150	28.1560359 ± 0.0288752	0.9764	EXP 150 of 150	57.71888 ± 0.03049	0.8820	EXP 150 of 150
13D07667	3.0 %	0.1415974 ± 0.0008252	0.3244	EXP 150 of 150	1.5217260 ± 0.0284486	0.0187	EXP 150 of 150	0.3622711 ± 0.0279057	0.0000	EXP 150 of 150	28.9733330 ± 0.0272004	0.9801	EXP 150 of 150	48.16739 ± 0.02993	0.5356	EXP 150 of 150
13D07668	3.3 %	0.1274883 ± 0.0008769	0.1357	EXP 150 of 150	1.7219231 ± 0.0311568	0.0537	EXP 150 of 150	0.3809304 ± 0.0292905	0.0097	EXP 150 of 150	30.8381989 ± 0.0265205	0.9831	EXP 150 of 150	44.25578 ± 0.02973	0.0500	EXP 150 of 150
13D07670	3.6 %	0.1439664 ± 0.0009458	0.1784	EXP 150 of 150	2.3903066 ± 0.0280099	0.1502	EXP 150 of 150	0.5046471 ± 0.0262575	0.0077	EXP 150 of 150	40.8780110 ± 0.0277089	0.9897	EXP 150 of 150	50.20866 ± 0.03273	0.6456	EXP 150 of 150
13D07671	3.9 %	0.1391254 ± 0.0008020	0.2344	EXP 150 of 150	2.6563718 ± 0.0282133	0.1660	EXP 150 of 150	0.5880472 ± 0.0296957	0.0215	EXP 150 of 150	43.8769065 ± 0.0315104	0.9883	EXP 150 of 150	48.56591 ± 0.03313	0.5603	EXP 150 of 150
13D07672	4.2 %	0.1555973 ± 0.0008687	0.3441	EXP 150 of 150	3.3921913 ± 0.0300070	0.2391	EXP 150 of 150	0.6768328 ± 0.0280208	0.0001	EXP 150 of 150	54.4176762 ± 0.0272019	0.9944	EXP 150 of 150	54.45916 ± 0.03177	0.8473	EXP 150 of 150
13D07674	4.5 %	0.1178175 ± 0.0008399	0.0789	EXP 150 of 150	2.6607787 ± 0.0277158	0.1665	EXP 150 of 150	0.5352748 ± 0.0302298	0.0036	EXP 150 of 150	42.1777566 ± 0.0314421	0.9879	EXP 150 of 150	41.25965 ± 0.03140	0.0003	EXP 150 of 150
13D07675	4.8 %	0.1330143 ± 0.0007354	0.3698	EXP 150 of 150	3.2778977 ± 0.0311689	0.3237	EXP 150 of 150	0.6722411 ± 0.0236496	0.0250	EXP 150 of 150	48.9062222 ± 0.0305643	0.9913	EXP 150 of 150	45.87992 ± 0.03514	0.3737	EXP 150 of 150
13D07676	5.1 %	0.1108780 ± 0.0008517	0.2250	EXP 150 of 150	2.5857372 ± 0.0305010	0.2053	EXP 150 of 150	0.5356656 ± 0.0258023	0.0001	EXP 150 of 150	39.2591660 ± 0.0291996	0.9869	EXP 150 of 150	37.71468 ± 0.03123	0.2659	EXP 150 of 150
13D07678	5.4 %	0.1031989 ± 0.0007249	0.0924	EXP 150 of 150	2.4229068 ± 0.0318733	0.1255	EXP 150 of 150	0.5585039 ± 0.0287498	0.0230	EXP 150 of 150	37.3413208 ± 0.0267731	0.9887	EXP 150 of 150	35.71419 ± 0.03331	0.3952	EXP 150 of 150
13D07679	5.7 %	0.0902659 ± 0.0007536	0.0115	EXP 150 of 150	2.0704810 ± 0.0291560	0.1612	EXP 148 of 150	0.5295551 ± 0.0271632	0.0443	EXP 149 of 150	31.8417914 ± 0.0282053	0.9823	EXP 150 of 150	31.57571 ± 0.03014	0.7552	EXP 150 of 150
13D07680	6.1 %	0.1203326 ± 0.0008239	0.2476	EXP 150 of 150	2.8264150 ± 0.0292858	0.3164	EXP 150 of 150	0.7506333 ± 0.0262302	0.0914	EXP 150 of 150	43.8441834 ± 0.0283276	0.9903	EXP 150 of 150	41.64690 ± 0.03038	0.0915	EXP 150 of 150
13D07682	6.5 %	0.1079556 ± 0.0007780	0.0848	EXP 150 of 150	2.3481010 ± 0.0313423	0.1454	EXP 150 of 150	0.6745372 ± 0.0249937	0.0376	EXP 149 of 150	37.7031680 ± 0.0279829	0.9875	EXP 150 of 150	37.62441 ± 0.03132	0.1730	EXP 150 of 150
13D07683	6.9 %	0.0881170 ± 0.0007073	0.0068	EXP 150 of 150	1.6722466 ± 0.0285439	0.1028	EXP 150 of 150	0.4659807 ± 0.0274150	0.0000	EXP 149 of 150	26.9987212 ± 0.0284358	0.9737	EXP 150 of 150	30.44265 ± 0.02928	0.7434	EXP 150 of 150
13D07684	7.3 %	0.1098383 ± 0.0007419	0.1174	EXP 150 of 150	2.1052758 ± 0.0285936	0.2096	EXP 150 of 150	0.6817904 ± 0.0282031	0.0280	EXP 150 of 150	33.0736953 ± 0.0274352	0.9850	EXP 150 of 150	37.66637 ± 0.03049	0.0968	EXP 149 of 150
13D07686	7.8 %	0.1315588 ± 0.0008823	0.2359	EXP 149 of 150	2.3010455 ± 0.0273996	0.2753	EXP 150 of 150	0.8305159 ± 0.0249528	0.1351	EXP 150 of 150	35.0344881 ± 0.0280472	0.9854	EXP 150 of 150	44.01614 ± 0.03001	0.5683	EXP 150 of 150
13D07687	8.3 %	0.1824164 ± 0.0010222	0.3754	EXP 150 of 150	2.7098635 ± 0.0309029	0.1578	EXP 150 of 150	1.0233780 ± 0.0287611	0.0137	EXP 150 of 150	40.6197080 ± 0.0278912	0.9897	EXP 150 of 150	60.32006 ± 0.03182	0.9490	EXP 150 of 150
13D07688	8.8 %	0.1643099 ± 0.0009128	0.3923	EXP 150 of 150	1.8474104 ± 0.0298274	0.1149	EXP 150 of 150	0.8047460 ± 0.0248193	0.1011	EXP 150 of 150	26.3798768 ± 0.0289424	0.9725	EXP 150 of 150	52.50787 ± 0.03252	0.8882	EXP 150 of 150
13D07690	9.3 %	0.2346141 ± 0.0010967	0.5556	EXP 150 of 150	1.9683958 ± 0.0322017	0.1532	EXP 150 of 150	0.9977507 ± 0.0276763	0.1050	EXP 150 of 150	28.0466729 ± 0.0264953	0.9803	EXP 149 of 150	73.31757 ± 0.03473	0.9757	EXP 150 of 150
13D07691	9.9 %	0.2971910 ± 0.0013214	0.5967	EXP 150 of 150	1.6862501 ± 0.0301391	0.0784	EXP 150 of 150	1.0014443 ± 0.0276641	0.0577	EXP 150 of 150	24.9095727 ± 0.0280454	0.9708	EXP 150 of 150	92.22959 ± 0.03407	0.9905	EXP 150 of 150
13D07692	10.5 %	0.3066434 ± 0.0014068	0.6308	EXP 150 of 150	1.2367762 ± 0.0308732	0.0445	EXP 150 of 150	0.7964623 ± 0.0239559	0.0104	EXP 150 of 150	19.2727342 ± 0.0257621	0.9582	EXP 150 of 150	94.57903 ± 0.03339	0.9915	EXP 150 of 150
13D07694	11.2 %	0.6316885 ± 0.0016457	0.8781	EXP 150 of 150	1.8209993 ± 0.0327556	0.0847	EXP 150 of 150	1.3739723 ± 0.0266783	0.1093	EXP 150 of 150	26.3821291 ± 0.0265451	0.9771	EXP 150 of 150	190.13149 ± 0.03759	0.9985	EXP 150 of 150
13D07695	11.9 %	0.7719995 ± 0.0021206	0.8655	EXP 150 of 150	1.7621246 ± 0.0307380	0.1653	EXP 150 of 150	1.3480166 ± 0.0251817	0.1314	EXP 150 of 150	24.3436682 ± 0.0270160	0.9714	EXP 150 of 150	231.72137 ± 0.04377	0.9988	EXP 150 of 150
13D07696	12.8 %	0.8688257 ± 0.0023836	0.8689	EXP 150 of 150	2.2342154 ± 0.0288084	0.2028	EXP 150 of 150	1.2680163 ± 0.0253096	0.0833	EXP 150 of 150	22.6802147 ± 0.0266073	0.9687	EXP 149 of 150	259.74319 ± 0.04110	0.9991	EXP 150 of 150
13D07698	13.9 %	1.0379342 ± 0.0022896	0.8988	EXP 150 of 150	3.5028576 ± 0.0304538	0.3094	EXP 150 of 150	1.3298849 ± 0.0257399	0.1163	EXP 150 of 150	23.7453082 ± 0.0267569	0.9695	EXP 150 of 150	310.97397 ± 0.04808	0.9992	EXP 150 of 150
13D07699	15.2 %	0.9403012 ± 0.0021042	0.8989	EXP 150 of 150	4.9367913 ± 0.0324887	0.3825	EXP 150 of 150	1.0707749 ± 0.0321237	0.0190	EXP 150 of 150	19.3270672 ± 0.0284862	0.9522	EXP 150 of 150	274.16968 ± 0.04326	0.9992	EXP 150 of 150
13D07700	16.7 %	1.0644901 ± 0.0022515	0.9179	EXP 150 of 150	8.1267346 ± 0.0302369	0.6932	EXP 149 of 150	1.1589029 ± 0.0248724	0.0817	EXP 150 of 150	19.1215781 ± 0.0260792	0.9526	EXP 150 of 150	300.90471 ± 0.04600	0.9992	EXP 150 of 150
13D07702	18.2 %	0.8370307 ± 0.0020233	0.8869	EXP 150 of 150	8.4857666 ± 0.0311100	0.7080	EXP 149 of 150	0.8776002 ± 0.0282708	0.0319	EXP 150 of 150	13.8834620 ± 0.0229986	0.9412	EXP 149 of 150	232.71713 ± 0.04548	0.9986	EXP 150 of 150
13D07703	19.7 %	0.5721213 ± 0.0016144	0.8514	EXP 150 of 150	5.6410632 ± 0.0314379	0.4974	EXP 150 of 150	0.5213669 ± 0.0293958	0.0300	EXP 150 of 150	7.7441439 ± 0.0282543	0.7074	EXP 149 of 150	157.94286 ± 0.04010	0.9972	EXP 150 of 150
13D07705	21.2 %	0.4100297 ± 0.0014066	0.7534	EXP 150 of 150	3.6675283 ± 0.0262721	0.4118	EXP 150 of 150	0.3706990 ± 0.0271146	0.0409	EXP 150 of 150	4.8049169 ± 0.0261163	0.4539	EXP 150 of 150	116.60664 ± 0.04085	0.9935	EXP 150 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
13D07660	1.8 %	Anthony Koppers	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D07659	01
13D07662	2.0 %	Anthony Koppers	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D07659	01
13D07663	2.2 %	Anthony Koppers	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D07659	01
13D07664	2.4 %	Anthony Koppers	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D07659	01
13D07666	2.7 %	Anthony Koppers	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D07659	01
13D07667	3.0 %	Anthony Koppers	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D07659	01
13D07668	3.3 %	Anthony Koppers	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D07659	01
13D07670	3.6 %	Anthony Koppers	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D07659	01
13D07671	3.9 %	Anthony Koppers	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D07659	01
13D07672	4.2 %	Anthony Koppers	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D07659	01
13D07674	4.5 %	Anthony Koppers	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D07659	01
13D07675	4.8 %	Anthony Koppers	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D07659	01
13D07676	5.1 %	Anthony Koppers	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D07659	01
13D07678	5.4 %	Anthony Koppers	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D07659	01
13D07679	5.7 %	Anthony Koppers	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D07659	01
13D07680	6.1 %	Anthony Koppers	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D07659	01
13D07682	6.5 %	Anthony Koppers	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D07659	01
13D07683	6.9 %	Anthony Koppers	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D07659	01
13D07684	7.3 %	Anthony Koppers	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D07659	01
13D07686	7.8 %	Anthony Koppers	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D07659	01
13D07687	8.3 %	Anthony Koppers	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D07659	01
13D07688	8.8 %	Anthony Koppers	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D07659	01
13D07690	9.3 %	Anthony Koppers	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D07659	01
13D07691	9.9 %	Anthony Koppers	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D07659	01
13D07692	10.5 %	Anthony Koppers	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D07659	01
13D07694	11.2 %	Anthony Koppers	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D07659	01
13D07695	11.9 %	Anthony Koppers	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D07659	01
13D07696	12.8 %	Anthony Koppers	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D07659	01
13D07698	13.9 %	Anthony Koppers	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D07659	01
13D07699	15.2 %	Anthony Koppers	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D07659	01
13D07700	16.7 %	Anthony Koppers	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D07659	01
13D07702	18.2 %	Anthony Koppers	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D07659	01
13D07703	19.7 %	Anthony Koppers	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D07659	01
13D07705	21.2 %	Anthony Koppers	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D07659	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
13D07660	1.8 %	44C-Argon-2	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.765	0.095	0.99399337	0.063	1	4.8E-14	24	DEC	2013	5	52	1
13D07662	2.0 %	44C-Argon-2	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.765	0.095	0.99399337	0.063	1	4.8E-14	24	DEC	2013	6	17	1
13D07663	2.2 %	44C-Argon-2	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.765	0.095	0.99399337	0.063	1	4.8E-14	24	DEC	2013	6	29	1
13D07664	2.4 %	44C-Argon-2	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.765	0.095	0.99399337	0.063	1	4.8E-14	24	DEC	2013	6	42	1
13D07666	2.7 %	44C-Argon-2	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.765	0.095	0.99399337	0.063	1	4.8E-14	24	DEC	2013	7	6	1
13D07667	3.0 %	44C-Argon-2	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.765	0.095	0.99399337	0.063	1	4.8E-14	24	DEC	2013	7	19	1
13D07668	3.3 %	44C-Argon-2	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.765	0.095	0.99399337	0.063	1	4.8E-14	24	DEC	2013	7	31	1
13D07670	3.6 %	44C-Argon-2	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.765	0.095	0.99399337	0.063	1	4.8E-14	24	DEC	2013	7	56	1
13D07671	3.9 %	44C-Argon-2	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.765	0.095	0.99399337	0.063	1	4.8E-14	24	DEC	2013	8	9	1
13D07672	4.2 %	44C-Argon-2	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.765	0.095	0.99399337	0.063	1	4.8E-14	24	DEC	2013	8	21	1
13D07674	4.5 %	44C-Argon-2	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.765	0.095	0.99399337	0.063	1	4.8E-14	24	DEC	2013	8	46	1
13D07675	4.8 %	44C-Argon-2	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.765	0.095	0.99399337	0.063	1	4.8E-14	24	DEC	2013	8	58	1
13D07676	5.1 %	44C-Argon-2	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.765	0.095	0.99399337	0.063	1	4.8E-14	24	DEC	2013	9	11	1
13D07678	5.4 %	44C-Argon-2	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.765	0.095	0.99399337	0.063	1	4.8E-14	24	DEC	2013	9	36	1
13D07679	5.7 %	44C-Argon-2	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.765	0.095	0.99399337	0.063	1	4.8E-14	24	DEC	2013	9	48	1
13D07680	6.1 %	44C-Argon-2	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.765	0.095	0.99399337	0.063	1	4.8E-14	24	DEC	2013	10	0	1
13D07682	6.5 %	44C-Argon-2	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.765	0.095	0.99399337	0.063	1	4.8E-14	24	DEC	2013	10	25	1
13D07683	6.9 %	44C-Argon-2	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.765	0.095	0.99399337	0.063	1	4.8E-14	24	DEC	2013	10	38	1
13D07684	7.3 %	44C-Argon-2	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.765	0.095	0.99399337	0.063	1	4.8E-14	24	DEC	2013	10	50	1
13D07686	7.8 %	44C-Argon-2	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.765	0.095	0.99399337	0.063	1	4.8E-14	24	DEC	2013	11	15	1
13D07687	8.3 %	44C-Argon-2	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.765	0.095	0.99399337	0.063	1	4.8E-14	24	DEC	2013	11	27	1
13D07688	8.8 %	44C-Argon-2	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.765	0.095	0.99399337	0.063	1	4.8E-14	24	DEC	2013	11	40	1
13D07690	9.3 %	44C-Argon-2	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.765	0.095	0.99399337	0.063	1	4.8E-14	24	DEC	2013	12	5	1
13D07691	9.9 %	44C-Argon-2	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.765	0.095	0.99399337	0.063	1	4.8E-14	24	DEC	2013	12	17	1
13D07692	10.5 %	44C-Argon-2	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.765	0.095	0.99399337	0.063	1	4.8E-14	24	DEC	2013	12	29	1
13D07694	11.2 %	44C-Argon-2	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.765	0.095	0.99399337	0.063	1	4.8E-14	24	DEC	2013	12	54	1
13D07695	11.9 %	44C-Argon-2	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.765	0.095	0.99399337	0.063	1	4.8E-14	24	DEC	2013	13	7	1
13D07696	12.8 %	44C-Argon-2	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.765	0.095	0.99399337	0.063	1	4.8E-14	24	DEC	2013	13	19	1
13D07698	13.9 %	44C-Argon-2	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.765	0.095	0.99399337	0.063	1	4.8E-14	24	DEC	2013	13	44	1
13D07699	15.2 %	44C-Argon-2	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.765	0.095	0.99399337	0.063	1	4.8E-14	24	DEC	2013	13	56	1
13D07700	16.7 %	44C-Argon-2	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.765	0.095	0.99399337	0.063	1	4.8E-14	24	DEC	2013	14	9	1
13D07702	18.2 %	44C-Argon-2	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.765	0.095	0.99399337	0.063	1	4.8E-14	24	DEC	2013	14	34	1
13D07703	19.7 %	44C-Argon-2	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.765	0.095	0.99399337	0.063	1	4.8E-14	24	DEC	2013	14	46	1
13D07705	21.2 %	44C-Argon-2	Groundmass	Floreana Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.765	0.095	0.99399337	0.063	1	4.8E-14	24	DEC	2013	15	11	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
13D07660	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
13D07662	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
13D07663	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
13D07664	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
13D07666	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
13D07667	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
13D07668	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
13D07670	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
13D07671	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
13D07672	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
13D07674	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
13D07675	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
13D07676	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
13D07678	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
13D07679	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
13D07680	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
13D07682	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
13D07683	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
13D07684	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
13D07686	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
13D07687	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
13D07688	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
13D07690	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
13D07691	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
13D07692	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
13D07694	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
13D07695	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
13D07696	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
13D07698	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
13D07699	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
13D07700	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
13D07702	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
13D07703	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
13D07705	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

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

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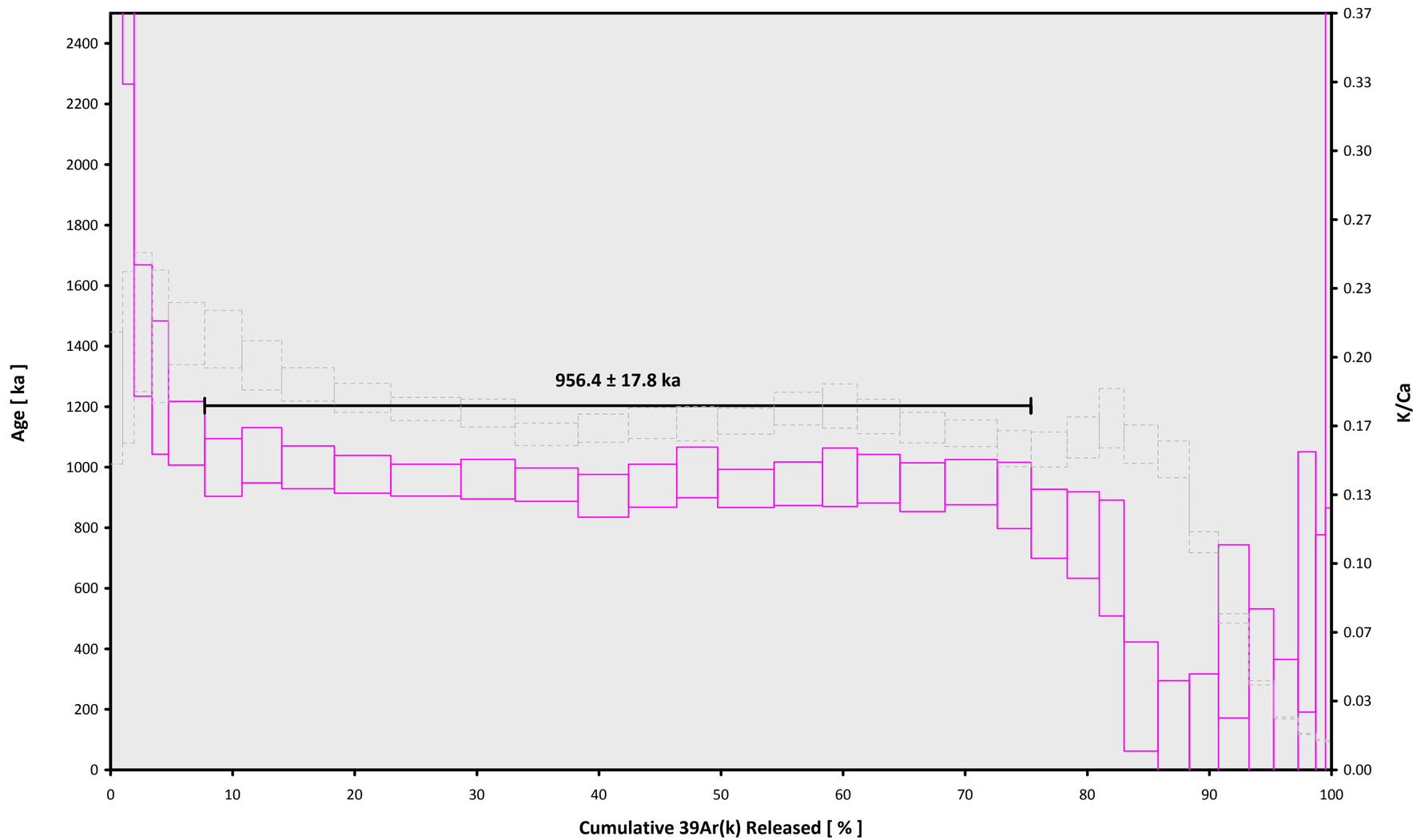

Ar-Ages in ka

WEIGHTED PLATEAU
956.4 ± 17.8
TOTAL FUSION
1073.1 ± 44.1
NORMAL ISOCHRON
934.9 ± 55.6
INVERSE ISOCHRON
934.5 ± 55.5

MSWD (PROBABILITY)
0.69 (81%)

Sample Info

Groundmass
Floreana Island
Anthony Koppers

IRR = 13-OSU-05
J = 0.00166884 ± 0.00000287

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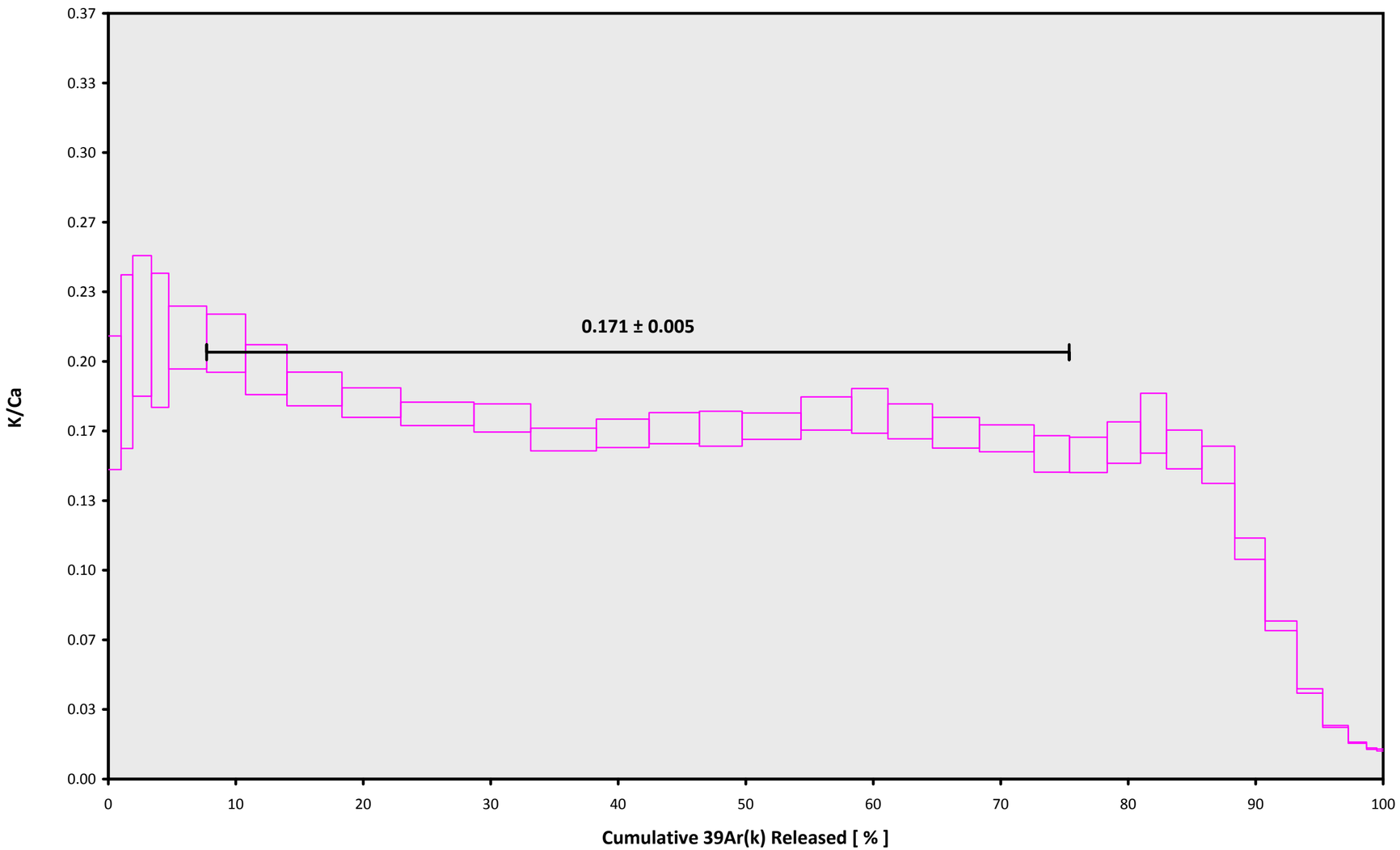

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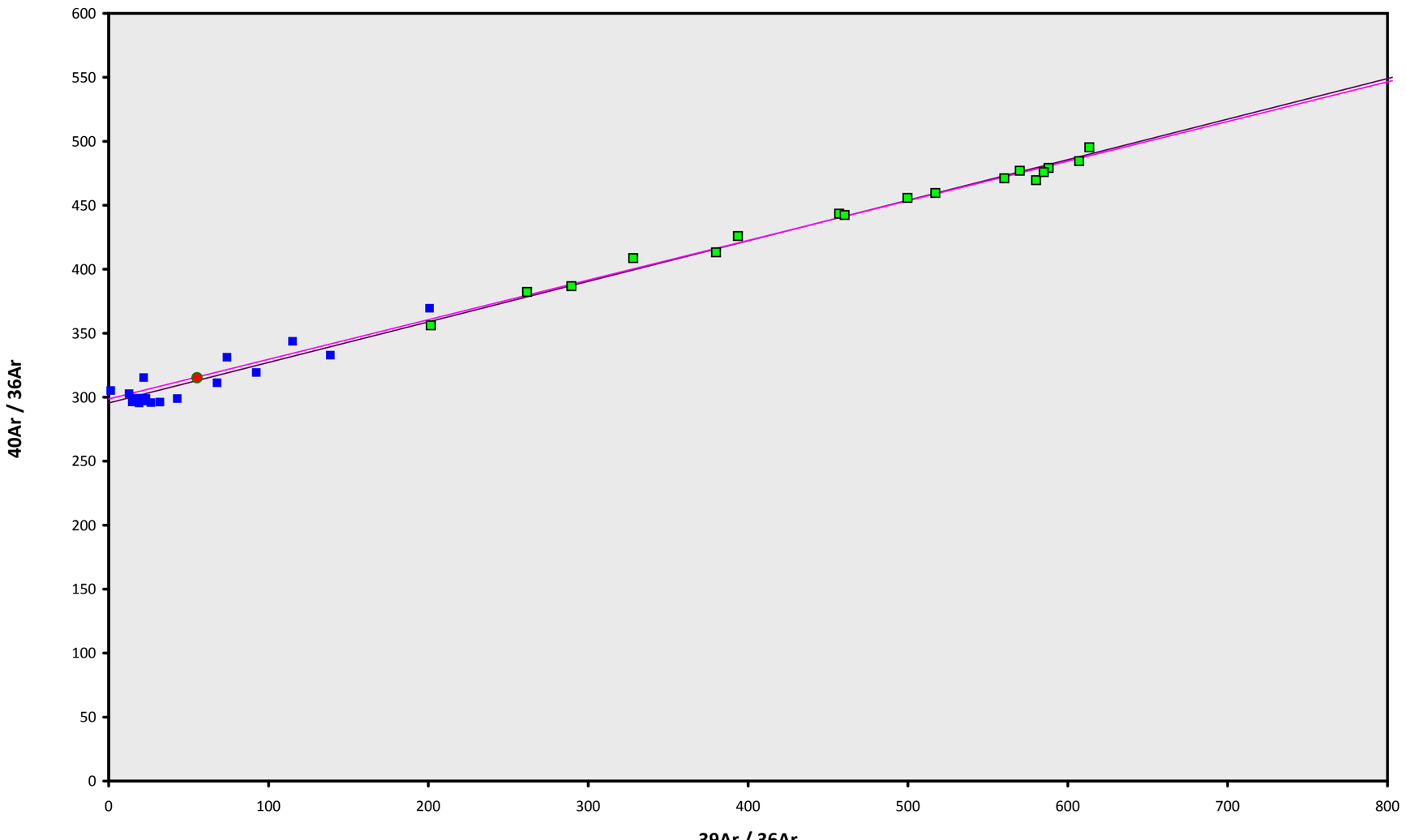

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WEIGHTED PLATEAU
956.4 ± 17.8
TOTAL FUSION
1073.1 ± 44.1
NORMAL ISOCHRON
934.9 ± 55.6
INVERSE ISOCHRON
934.5 ± 55.5

MSWD (PROBABILITY)
0.69 (80%)

40AR/36AR INTERCEPT
298.6 ± 8.0

Sample Info

Groundmass
Floreana Island
Anthony Koppers

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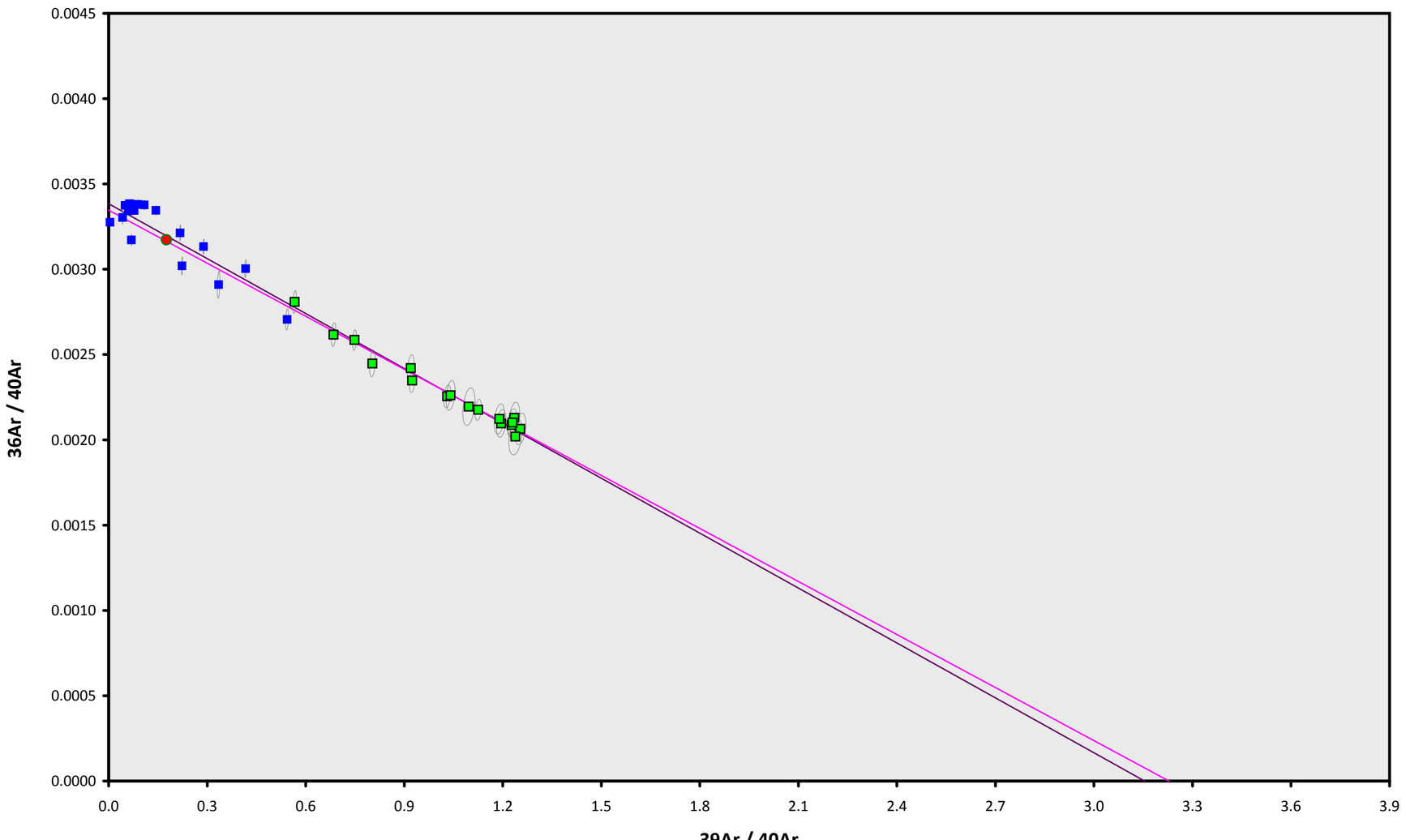
13D07659.AGE >>> 44C-ARGON-2 >>> GALAPAGOS | BALBAS (13-19) PROJECT



Ar-Ages in ka

WEIGHTED PLATEAU
956.4 ± 17.8
TOTAL FUSION
1073.1 ± 44.1
NORMAL ISOCHRON
934.9 ± 55.6
INVERSE ISOCHRON
934.5 ± 55.5

MSWD (PROBABILITY)
0.69 (80%)

SPREADING FACTOR
21.3%

40AR/36AR INTERCEPT
298.8 ± 8.0

Sample Info

Groundmass
Floreana Island
Anthony Koppers

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J = 0.00166884 ± 0.00000287