

Relative Abundances		³⁶ Ar [fA]	%1σ	³⁷ Ar [fA]	%1σ	³⁸ Ar [fA]	%1σ	³⁹ Ar [fA]	%1σ	⁴⁰ Ar [fA]	%1σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ka)	40Ar(r) (%)	39Ar(k) (%)	K/Ca ± 2σ
13D08244	1.8 %	8.284286	0.266	16.7177	11.364	1.771068	2.250	6.0220	0.574	2526.6209	0.005	13.29646 ± 2.17183	39687.2 ± 6411.8	3.16	0.42	0.155 ± 0.035
13D08246	2.0 %	1.327707	0.337	18.4042	10.452	0.367154	10.789	6.8613	0.502	407.4141	0.022	2.40946 ± 0.38999	7256.7 ± 1172.2	4.05	0.47	0.160 ± 0.033
13D08247	2.2 %	0.591613	0.398	22.3181	8.763	0.335212	10.926	10.4001	0.357	182.2944	0.042	0.88575 ± 0.13812	2671.0 ± 416.2	5.05	0.72	0.200 ± 0.035
13D08248	2.4 %	0.281709	0.594	20.9437	8.955	0.213895	18.169	9.9207	0.401	87.6158	0.084	0.60414 ± 0.10535	1822.3 ± 317.6	6.83	0.69	0.203 ± 0.036
13D08250	2.7 %	0.212001	0.625	25.8178	7.193	0.224310	17.392	12.8027	0.289	66.5741	0.113	0.46252 ± 0.06644	1395.3 ± 200.4	8.88	0.88	0.213 ± 0.031
13D08251	3.0 %	0.241862	0.591	52.9560	3.498	0.406351	9.695	25.9100	0.160	77.3269	0.098	0.38376 ± 0.03504	1157.7 ± 105.7	12.84	1.79	0.210 ± 0.015
13D08252	3.3 %	0.151871	0.757	46.3736	3.964	0.306212	12.991	22.9260	0.170	50.2838	0.148	0.39170 ± 0.03292	1181.7 ± 99.3	17.83	1.58	0.212 ± 0.017
13D08254	3.6 %	0.127682	0.842	50.7871	3.863	0.320410	12.098	24.4386	0.172	42.8629	0.171	0.37027 ± 0.02959	1117.1 ± 89.2	21.08	1.69	0.207 ± 0.016
13D08255	3.7 %	0.171892	0.730	86.6573	2.224	0.543614	7.269	39.8338	0.117	58.2721	0.130	0.35570 ± 0.02052	1073.1 ± 61.9	24.28	2.75	0.197 ± 0.009
13D08256	3.9 %	0.155288	0.792	93.1528	2.024	0.544681	7.244	42.2719	0.111	52.8791	0.140	0.33550 ± 0.01895	1012.2 ± 57.2	26.78	2.92	0.195 ± 0.008
13D08258	4.2 %	0.139204	0.850	98.3245	1.963	0.527034	7.082	41.8051	0.111	47.6855	0.153	0.33850 ± 0.01862	1021.2 ± 56.2	29.63	2.89	0.183 ± 0.007
13D08259	4.5 %	0.158980	0.721	124.1857	1.640	0.722043	5.393	52.9405	0.099	54.6693	0.135	0.32666 ± 0.01448	985.5 ± 43.7	31.58	3.66	0.183 ± 0.006
13D08260	4.7 %	0.117550	0.898	102.8313	1.997	0.602009	6.463	42.3849	0.111	40.6912	0.182	0.32829 ± 0.01699	990.4 ± 51.2	34.14	2.93	0.177 ± 0.007
13D08262	4.8 %	0.138925	0.858	132.0828	1.534	0.727221	5.182	52.8209	0.094	48.1393	0.154	0.32779 ± 0.01495	988.9 ± 45.1	35.91	3.65	0.172 ± 0.005
13D08263	5.1 %	0.074383	1.255	72.7068	2.639	0.420730	9.316	29.7049	0.150	26.0230	0.281	0.32558 ± 0.02181	982.3 ± 65.8	37.10	2.05	0.175 ± 0.009
13D08264	5.4 %	0.076963	1.170	80.3803	2.481	0.482937	8.079	30.9989	0.138	26.6575	0.278	0.32738 ± 0.02057	987.7 ± 62.0	38.00	2.14	0.166 ± 0.008
13D08266	5.7 %	0.148470	0.825	155.9296	1.335	0.889929	4.394	60.0424	0.091	50.9434	0.145	0.31907 ± 0.01351	962.6 ± 40.7	37.54	4.15	0.165 ± 0.004
13D08267	5.9 %	0.084347	1.154	91.6161	2.240	0.516927	7.594	35.3469	0.127	28.8277	0.253	0.31131 ± 0.01918	939.2 ± 57.8	38.10	2.44	0.166 ± 0.007
13D08268	6.1 %	0.087860	1.075	95.6648	2.051	0.547812	7.069	36.6364	0.120	30.0593	0.240	0.31426 ± 0.01791	948.1 ± 54.0	38.24	2.53	0.164 ± 0.007
13D08270	6.5 %	0.093058	1.059	105.6521	1.813	0.657610	6.047	39.7017	0.114	31.8921	0.230	0.31720 ± 0.01698	957.0 ± 51.2	39.42	2.74	0.161 ± 0.006
13D08271	6.9 %	0.114134	0.925	131.6384	1.470	0.712918	5.601	49.8028	0.103	39.6568	0.187	0.32400 ± 0.01432	977.5 ± 43.2	40.62	3.44	0.162 ± 0.005
13D08272	7.1 %	0.101895	0.948	114.4238	1.708	0.754834	5.464	44.2512	0.110	34.9586	0.210	0.31019 ± 0.01509	935.9 ± 45.5	39.20	3.06	0.166 ± 0.006
13D08274	7.3 %	0.091411	1.170	104.0314	1.878	0.679679	6.001	40.3367	0.114	32.1275	0.229	0.32693 ± 0.01787	986.3 ± 53.9	40.97	2.79	0.166 ± 0.006
13D08275	7.8 %	0.115079	0.863	125.0823	1.625	0.857301	4.587	49.7139	0.101	39.6472	0.185	0.30861 ± 0.01382	931.1 ± 41.7	38.63	3.43	0.171 ± 0.006
13D08276	8.1 %	0.106118	0.938	112.4802	1.817	0.814781	4.713	45.6600	0.101	36.9858	0.201	0.31430 ± 0.01509	948.3 ± 45.5	38.74	3.15	0.174 ± 0.006
13D08278	8.3 %	0.097157	1.084	102.0226	1.989	0.737999	5.484	40.0580	0.117	33.4677	0.218	0.31646 ± 0.01790	954.8 ± 54.0	37.81	2.77	0.169 ± 0.007
13D08279	8.8 %	0.115029	0.926	109.3625	1.827	0.864404	4.475	43.9802	0.104	39.3055	0.190	0.31387 ± 0.01641	947.0 ± 49.5	35.06	3.04	0.173 ± 0.006
13D08280	9.3 %	0.129369	0.790	114.2212	1.732	0.901057	4.416	46.0619	0.103	43.8458	0.169	0.31443 ± 0.01515	948.6 ± 45.7	32.98	3.18	0.173 ± 0.006
13D08282	9.9 %	0.150561	0.761	117.2871	1.666	0.983875	3.999	46.2716	0.103	49.3616	0.146	0.30222 ± 0.01643	911.8 ± 49.6	28.28	3.20	0.169 ± 0.006
13D08283	10.5 %	0.164078	0.769	119.0226	1.701	1.147132	3.454	44.9353	0.104	53.8923	0.140	0.32671 ± 0.01842	985.7 ± 55.5	27.19	3.10	0.162 ± 0.006
13D08284	11.2 %	0.245089	0.609	135.7392	1.522	1.415974	2.851	49.7591	0.099	77.4073	0.097	0.31300 ± 0.01920	944.3 ± 57.9	20.08	3.44	0.157 ± 0.005
13D08286	11.9 %	0.322130	0.490	129.7671	1.634	1.561735	2.472	46.7627	0.106	99.1667	0.077	0.30201 ± 0.02150	911.2 ± 64.9	14.21	3.23	0.155 ± 0.005
13D08287	12.8 %	0.531092	0.427	137.0606	1.441	1.940470	2.018	49.2946	0.103	157.9293	0.048	0.23786 ± 0.02811	717.7 ± 84.8	7.41	3.40	0.154 ± 0.004
13D08288	13.9 %	0.754775	0.379	136.6068	1.490	2.102882	1.807	47.1632	0.100	220.9684	0.037	0.18334 ± 0.03669	553.2 ± 110.7	3.91	3.26	0.148 ± 0.004
13D08290	15.2 %	1.046398	0.354	144.9556	1.457	2.319385	1.743	46.4242	0.103	307.8610	0.026	0.21637 ± 0.04792	652.8 ± 144.6	3.26	3.21	0.137 ± 0.004
13D08291	16.7 %	1.403660	0.330	180.6249	1.211	2.425136	1.597	44.5650	0.107	407.3987	0.021	0.15323 ± 0.06218	462.4 ± 187.6	1.67	3.08	0.106 ± 0.003
13D08292	18.2 %	1.464515	0.315	225.6281	1.021	2.129917	1.828	38.3616	0.123	419.4936	0.020	0.11688 ± 0.07220	352.7 ± 217.8	1.06	2.64	0.073 ± 0.001
13D08294	19.7 %	1.202402	0.336	238.5926	0.993	1.568717	2.570	27.9828	0.149	338.3887	0.024	0.06613 ± 0.08714	199.6 ± 262.9	0.54	1.93	0.050 ± 0.001
13D08296	21.2 %	1.053163	0.346	272.8092	0.896	1.347767	2.921	22.7807	0.180	294.7598	0.028	0.22179 ± 0.09715	669.2 ± 293.1	1.70	1.56	0.036 ± 0.001
Σ		21.873706	0.117	4244.8586	0.297	36.393122	0.674	1447.9352	0.020	6664.3549	0.007					

Information on Analysis and Constants Used in Calculations

Project = **BALBAS (13-19)**
 Sample = **44C-ARGON-2**
 Material = **Groundmass**
 Location = **Floreana Island**
 Region = **Galapagos**
 Analyst = **Dan Miggins**
 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 = **302.7280 ± 0.2755**
 Air Shot MDF = **0.99402323 ± 0.00062032 (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 = **IEKK1-44C-AR-2**
 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(ε,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		0.31810 ± 0.00366 ± 1.15%	959.7 ± 11.5 ± 1.20%	0.89	60.89	0.168 ± 0.003
			Full External Error ± 24.5	1.65	2σ Confidence Limit	
			Analytical Error ± 11.0	1.0000	Error Magnification	
Total Fusion Age		0.36714 ± 0.01054 ± 2.87%	1107.6 ± 32.0 ± 2.89%		39	0.146 ± 0.001
			Full External Error ± 40.6			
			Analytical Error ± 31.8			
Normal Isochron	295.77 ± 6.64 ± 2.24%	0.31729 ± 0.01372 ± 4.32%	957.3 ± 41.5 ± 4.34%	0.94	60.89	
			Full External Error ± 46.8	1.67	2σ Confidence Limit	
			Analytical Error ± 41.4	1.0000	Error Magnification	
				6	Number of Iterations	
				0.0000026252	Convergence	
Inverse Isochron	295.80 ± 6.66 ± 2.25%	0.31751 ± 0.01365 ± 4.30%	957.9 ± 41.3 ± 4.31%	0.94	60.89	
			Full External Error ± 46.6	1.67	2σ Confidence Limit	
			Analytical Error ± 41.2	1.0000	Error Magnification	
Notes				3	Number of Iterations	
A plateau with low and high temp recoil effects. From a heavily altered portion of the flow.				0.0006081254	Convergence	
				20%	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
13D08244	1.8 %	8.279788	16.7177	0.150061	6.0107	79.92061	39687.2 ± 6411.8	3.16	0.42	0.155 ± 0.035
13D08246	2.0 %	1.322795	18.4042	0.036204	6.8488	16.50205	7256.7 ± 1172.2	4.05	0.47	0.160 ± 0.033
13D08247	2.2 %	0.585638	22.3181	0.099212	10.3850	9.19850	2671.0 ± 416.2	5.05	0.72	0.200 ± 0.035
13D08248	2.4 %	0.276118	20.9437	0.041599	9.9065	5.98496	1822.3 ± 317.6	6.83	0.69	0.203 ± 0.036
13D08250	2.7 %	0.205116	25.8178	0.030301	12.7852	5.91345	1395.3 ± 200.4	8.88	0.88	0.213 ± 0.031
13D08251	3.0 %	0.227744	52.9560	0.048691	25.8742	9.92950	1157.7 ± 105.7	12.84	1.79	0.210 ± 0.015
13D08252	3.3 %	0.139521	46.3736	0.001361	22.8946	8.96777	1181.7 ± 99.3	17.83	1.58	0.212 ± 0.017
13D08254	3.6 %	0.114157	50.7871	0.001819	24.4043	9.03625	1117.1 ± 89.2	21.08	1.69	0.207 ± 0.016
13D08255	3.7 %	0.148805	86.6573	0.031044	39.7753	14.14804	1073.1 ± 61.9	24.28	2.75	0.197 ± 0.009
13D08256	3.9 %	0.130480	93.1528	0.005789	42.2090	14.16104	1012.2 ± 57.2	26.78	2.92	0.195 ± 0.008
13D08258	4.2 %	0.113020	98.3245	0.000000	41.7386	14.12862	1021.2 ± 56.2	29.63	2.89	0.183 ± 0.007
13D08259	4.5 %	✓ 0.125893	124.1857	0.053680	52.8566	17.26599	985.5 ± 43.7	31.58	3.66	0.183 ± 0.006
13D08260	4.7 %	✓ 0.090145	102.8313	0.068681	42.3154	13.89156	990.4 ± 51.2	34.14	2.93	0.177 ± 0.007
13D08262	4.8 %	✓ 0.103732	132.0828	0.063935	52.7317	17.28497	988.9 ± 45.1	35.91	3.65	0.172 ± 0.005
13D08263	5.1 %	✓ 0.055006	72.7068	0.048440	29.6558	9.65528	982.3 ± 65.8	37.10	2.05	0.175 ± 0.009
13D08264	5.4 %	✓ 0.055528	80.3803	0.094493	30.9446	10.13061	987.7 ± 62.0	38.00	2.14	0.166 ± 0.008
13D08266	5.7 %	✓ 0.106904	155.9296	0.137650	59.9371	19.12426	962.6 ± 40.7	37.54	4.15	0.165 ± 0.004
13D08267	5.9 %	✓ 0.059927	91.6161	0.074636	35.2850	10.98446	939.2 ± 57.8	38.10	2.44	0.166 ± 0.007
13D08268	6.1 %	✓ 0.062356	95.6648	0.089293	36.5718	11.49320	948.1 ± 54.0	38.24	2.53	0.164 ± 0.007
13D08270	6.5 %	✓ 0.064873	105.6521	0.161107	39.6303	12.57061	957.0 ± 51.2	39.42	2.74	0.161 ± 0.006
13D08271	6.9 %	✓ 0.079051	131.6384	0.090584	49.7139	16.10724	977.5 ± 43.2	40.62	3.44	0.162 ± 0.005
13D08272	7.1 %	✓ 0.071362	114.4238	0.201824	44.1739	13.70237	935.9 ± 45.5	39.20	3.06	0.166 ± 0.006
13D08274	7.3 %	✓ 0.063653	104.0314	0.175867	40.2665	13.16419	986.3 ± 53.9	40.97	2.79	0.166 ± 0.006
13D08275	7.8 %	✓ 0.081697	125.0823	0.235959	49.6294	15.31608	931.1 ± 41.7	38.63	3.43	0.171 ± 0.006
13D08276	8.1 %	✓ 0.076089	112.4802	0.244062	45.5840	14.32723	948.3 ± 45.5	38.74	3.15	0.174 ± 0.006
13D08278	8.3 %	✓ 0.069915	102.0226	0.236498	39.9891	12.65494	954.8 ± 54.0	37.81	2.77	0.169 ± 0.007
13D08279	8.8 %	✓ 0.085809	109.3625	0.312277	43.9063	13.78102	947.0 ± 49.5	35.06	3.04	0.173 ± 0.006
13D08280	9.3 %	✓ 0.098852	114.2212	0.321138	45.9847	14.45911	948.6 ± 45.7	32.98	3.18	0.173 ± 0.006
13D08282	9.9 %	✓ 0.119204	117.2871	0.397434	46.1924	13.96011	911.8 ± 49.6	28.28	3.20	0.169 ± 0.006
13D08283	10.5 %	✓ 0.132204	119.0226	0.574228	44.8549	14.65458	985.7 ± 55.5	27.19	3.10	0.162 ± 0.006
13D08284	11.2 %	✓ 0.208703	135.7392	0.769673	49.6674	15.54578	944.3 ± 57.9	20.08	3.44	0.157 ± 0.005
13D08286	11.9 %	0.287283	129.7671	0.937178	46.6750	14.09619	911.2 ± 64.9	14.21	3.23	0.155 ± 0.005
13D08287	12.8 %	0.494206	137.0606	1.246313	49.2020	11.70324	717.7 ± 84.8	7.41	3.40	0.154 ± 0.004
13D08288	13.9 %	0.717964	136.6068	1.392577	47.0709	8.62997	553.2 ± 110.7	3.91	3.26	0.148 ± 0.004
13D08290	15.2 %	1.007311	144.9556	1.563360	46.3262	10.02344	652.8 ± 144.6	3.26	3.21	0.137 ± 0.004
13D08291	16.7 %	1.355056	180.6249	1.624214	44.4430	6.80991	462.4 ± 187.6	1.67	3.08	0.106 ± 0.003
13D08292	18.2 %	1.403998	225.6281	1.391616	38.2091	4.46597	352.7 ± 217.8	1.06	2.64	0.073 ± 0.001
13D08294	19.7 %	1.138553	238.5926	1.004068	27.8216	1.83996	199.6 ± 262.9	0.54	1.93	0.050 ± 0.001
13D08296	21.2 %	0.980243	272.8092	0.873114	22.5964	5.01174	669.2 ± 293.1	1.70	1.56	0.036 ± 0.001
Σ		20.738699	4244.8586	14.829979	1445.0674	530.54479				

Information on Analysis	Results	40(r)/39(k) ± 2σ	Age ± 2σ (Ka)	MSWD	39Ar(k) (%n)	K/Ca ± 2σ
Project = BALBAS (13-19) Sample = 44C-ARGON-2 Material = Groundmass Location = Floreana Island Region = Galapagos Analyst = Dan Miggins Irradiation = 13-OSU-05 J = 0.00166884 ± 0.00000287 FCT-3 = 28.201 ± 0.023 Ma	Age Plateau	0.31810 ± 0.00366 ± 1.15%	959.7 ± 11.5 ± 1.20%	0.89 60%	60.89 20	0.168 ± 0.003
			Full External Error ± 24.5 Analytical Error ± 11.0	1.65 1.0000	2σ Confidence Limit Error Magnification	
	Total Fusion Age	0.36714 ± 0.01054 ± 2.87%	1107.6 ± 32.0 ± 2.89%		39	0.146 ± 0.001
			Full External Error ± 40.6 Analytical Error ± 31.8			

Normal Isochron		39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
13D08244	1.8 %	0.73 ± 0.01	305.15 ± 1.62	0.4197
13D08246	2.0 %	5.18 ± 0.06	307.98 ± 2.10	0.5589
13D08247	2.2 %	17.73 ± 0.19	311.21 ± 2.58	0.7508
13D08248	2.4 %	35.88 ± 0.54	317.18 ± 4.05	0.8371
13D08250	2.7 %	62.33 ± 0.93	324.33 ± 4.53	0.9095
13D08251	3.0 %	113.61 ± 1.55	339.10 ± 4.55	0.9616
13D08252	3.3 %	164.09 ± 2.99	359.78 ± 6.53	0.9693
13D08254	3.6 %	213.78 ± 4.54	374.66 ± 7.95	0.9737
13D08255	3.7 %	267.30 ± 4.91	390.58 ± 7.19	0.9819
13D08256	3.9 %	323.49 ± 6.63	404.03 ± 8.31	0.9848
13D08258	4.2 %	369.30 ± 8.47	420.51 ± 9.69	0.9864
13D08259	4.5 % ✓	419.85 ± 8.50	432.65 ± 8.80	0.9863
13D08260	4.7 % ✓	469.42 ± 12.43	449.60 ± 11.97	0.9870
13D08262	4.8 % ✓	508.35 ± 12.87	462.13 ± 11.75	0.9898
13D08263	5.1 % ✓	539.13 ± 20.93	471.03 ± 18.43	0.9865
13D08264	5.4 % ✓	557.28 ± 21.06	477.94 ± 18.21	0.9865
13D08266	5.7 % ✓	560.67 ± 14.15	474.39 ± 12.02	0.9908
13D08267	5.9 % ✓	588.80 ± 22.00	478.80 ± 18.01	0.9885
13D08268	6.1 % ✓	586.50 ± 20.36	479.81 ± 16.78	0.9880
13D08270	6.5 % ✓	610.89 ± 20.96	489.27 ± 16.90	0.9888
13D08271	6.9 % ✓	628.89 ± 18.76	499.26 ± 14.98	0.9897
13D08272	7.1 % ✓	619.02 ± 19.11	487.51 ± 15.15	0.9882
13D08274	7.3 % ✓	632.60 ± 23.70	502.31 ± 18.93	0.9907
13D08275	7.8 % ✓	607.48 ± 16.88	482.97 ± 13.51	0.9884
13D08276	8.1 % ✓	599.09 ± 17.92	483.80 ± 14.57	0.9886
13D08278	8.3 % ✓	571.97 ± 19.43	476.50 ± 16.28	0.9894
13D08279	8.8 % ✓	511.67 ± 14.25	456.10 ± 12.78	0.9879
13D08280	9.3 % ✓	465.19 ± 10.87	441.77 ± 10.39	0.9857
13D08282	9.9 % ✓	387.51 ± 8.23	412.61 ± 8.80	0.9857
13D08283	10.5 % ✓	339.29 ± 7.08	406.35 ± 8.52	0.9860
13D08284	11.2 % ✓	237.98 ± 3.66	369.99 ± 5.69	0.9835
13D08286	11.9 %	162.47 ± 1.93	344.57 ± 4.06	0.9754
13D08287	12.8 %	99.56 ± 0.96	319.18 ± 3.02	0.9719
13D08288	13.9 %	65.56 ± 0.55	307.52 ± 2.50	0.9665
13D08290	15.2 %	45.99 ± 0.36	305.45 ± 2.28	0.9611
13D08291	16.7 %	32.80 ± 0.24	300.53 ± 2.07	0.9531
13D08292	18.2 %	27.21 ± 0.19	298.68 ± 1.99	0.9349
13D08294	19.7 %	24.44 ± 0.19	297.12 ± 2.14	0.9207
13D08296	21.2 %	23.05 ± 0.19	300.61 ± 2.28	0.8989

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ka)	MSWD
Normal Isochron	295.77 ± 6.64 ± 2.24%	0.31729 ± 0.01372 ± 4.32%	957.3 ± 41.5 ± 4.34%	0.94 53%
			Full External Error ± 46.8 Analytical Error ± 41.4	
Statistics	2σ Confidence Limit Error Magnification Number of Data Points	1.67 1.0000 20	Convergence Number of Iterations Calculated Line	0.000002625236 6 Weighted York-2

Inverse Isochron		39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
13D08244	1.8 %	0.0023790 ± 0.0000274	0.00327705 ± 0.00001744	0.0002
13D08246	2.0 %	0.0168116 ± 0.0001694	0.00324702 ± 0.00002214	0.0029
13D08247	2.2 %	0.0569806 ± 0.0004106	0.00321330 ± 0.00002659	0.0117
13D08248	2.4 %	0.1131168 ± 0.0009274	0.00315283 ± 0.00004023	0.0268
13D08250	2.7 %	0.1921865 ± 0.0011963	0.00308328 ± 0.00004306	0.0591
13D08251	3.0 %	0.3350364 ± 0.0012597	0.00294899 ± 0.00003957	0.0765
13D08252	3.3 %	0.4561019 ± 0.0020558	0.00277951 ± 0.00005045	0.1073
13D08254	3.6 %	0.5706004 ± 0.0027762	0.00266911 ± 0.00005664	0.1137
13D08255	3.7 %	0.6843641 ± 0.0023953	0.00256031 ± 0.00004714	0.1055
13D08256	3.9 %	0.8006600 ± 0.0028641	0.00247506 ± 0.00005091	0.1069
13D08258	4.2 %	0.8782279 ± 0.0033303	0.00237806 ± 0.00005479	0.1081
13D08259	4.5 % ✓	0.9704277 ± 0.0032647	0.00231135 ± 0.00004701	0.1077
13D08260	4.7 % ✓	1.0440673 ± 0.0044653	0.00222419 ± 0.00005924	0.1174
13D08262	4.8 % ✓	1.1000033 ± 0.0039850	0.00216389 ± 0.00005502	0.1039
13D08263	5.1 % ✓	1.1445848 ± 0.0073259	0.00212301 ± 0.00008306	0.1276
13D08264	5.4 % ✓	1.1659992 ± 0.0072724	0.00209231 ± 0.00007970	0.1315
13D08266	5.7 % ✓	1.1818589 ± 0.0040651	0.00210796 ± 0.00005341	0.0977
13D08267	5.9 % ✓	1.2297497 ± 0.0070006	0.00208856 ± 0.00007857	0.1209
13D08268	6.1 % ✓	1.2223386 ± 0.0065942	0.00208414 ± 0.00007289	0.1237
13D08270	6.5 % ✓	1.2485699 ± 0.0064351	0.00204385 ± 0.00007060	0.1198
13D08271	6.9 % ✓	1.2596400 ± 0.0054135	0.00200297 ± 0.00006009	0.1105
13D08272	7.1 % ✓	1.2697403 ± 0.0060497	0.00205123 ± 0.00006376	0.1205
13D08274	7.3 % ✓	1.2593683 ± 0.0064741	0.00199079 ± 0.00007502	0.1095
13D08275	7.8 % ✓	1.2577950 ± 0.0053335	0.00207050 ± 0.00005790	0.1173
13D08276	8.1 % ✓	1.2383077 ± 0.0056059	0.00206699 ± 0.00006223	0.1202
13D08278	8.3 % ✓	1.2003384 ± 0.0059637	0.00209862 ± 0.00007171	0.1130
13D08279	8.8 % ✓	1.1218431 ± 0.0048873	0.00219250 ± 0.00006145	0.1201
13D08280	9.3 % ✓	1.0530057 ± 0.0041804	0.00226362 ± 0.00005326	0.1233
13D08282	9.9 % ✓	0.9391568 ± 0.0033768	0.00242359 ± 0.00005171	0.1129
13D08283	10.5 % ✓	0.8349634 ± 0.0029224	0.00246094 ± 0.00005159	0.1073
13D08284	11.2 % ✓	0.6432145 ± 0.0017956	0.00270279 ± 0.00004158	0.0890
13D08286	11.9 %	0.4715209 ± 0.0012382	0.00290219 ± 0.00003419	0.0768
13D08287	12.8 %	0.3119157 ± 0.0007082	0.00313302 ± 0.00002965	0.0431
13D08288	13.9 %	0.2131945 ± 0.0004570	0.00325182 ± 0.00002646	0.0309
13D08290	15.2 %	0.1505644 ± 0.0003211	0.00327385 ± 0.00002441	0.0174
13D08291	16.7 %	0.1091351 ± 0.0002384	0.00332750 ± 0.00002296	0.0116
13D08292	18.2 %	0.0911157 ± 0.0002291	0.00334805 ± 0.00002226	0.0098
13D08294	19.7 %	0.0822438 ± 0.0002501	0.00336569 ± 0.00002425	0.0108
13D08296	21.2 %	0.0766829 ± 0.0002817	0.00332654 ± 0.00002521	0.0109

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ka)	MSWD
Inverse Isochron	295.80 ± 6.66 ± 2.25%	0.31751 ± 0.01365 ± 4.30%	957.9 ± 41.3 ± 4.31%	0.94 53%
			Full External Error ± 46.6 Analytical Error ± 41.2	
Statistics	2σ Confidence Limit Error Magnification Number of Data Points Spreading Factor	1.67 1.0000 20 19.9%	Convergence Number of Iterations Calculated Line	0.0006081254 3 Weighted York-2

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
13D08244	1.8 %	8.279788	0.27	0.0000000	0.00	0.0044519	11.36	0.0000465	26.71	16.7177	11.36	1.5474924	0.27	0.0000000	0.00	0.072314	0.60	0.0012003	17.13	0.150061	26.73	6.0107	0.58	0.0112945	11.44	79.92061	8.15	2446.6773	0.27	0.0000000	0.00	0.0229788	2.72
13D08246	2.0 %	1.322795	0.34	0.0000000	0.00	0.0049010	10.45	0.0000112	109.45	18.4042	10.45	0.2472304	0.34	0.0000000	0.00	0.082398	0.53	0.0013214	16.54	0.036204	109.46	6.8488	0.50	0.0124338	10.54	16.50205	8.08	390.8859	0.34	0.0000000	0.00	0.0261831	2.71
13D08247	2.2 %	0.585638	0.41	0.0000000	0.00	0.0059433	8.76	0.0000307	36.94	22.3181	8.76	0.1094558	0.41	0.0000000	0.00	0.124942	0.39	0.0016024	15.53	0.099212	36.95	10.3850	0.36	0.0150781	8.86	9.19850	7.79	173.0562	0.41	0.0000000	0.00	0.0397018	2.68
13D08248	2.4 %	0.276118	0.63	0.0000000	0.00	0.0055773	8.96	0.0000129	93.45	20.9437	8.95	0.0516065	0.63	0.0000000	0.00	0.119186	0.43	0.0015038	15.64	0.041599	93.45	9.9065	0.40	0.0141496	9.05	5.98496	8.71	81.5930	0.63	0.0000000	0.00	0.0378727	2.69
13D08250	2.7 %	0.205116	0.69	0.0000000	0.00	0.0068753	7.19	0.0000094	128.77	25.8178	7.19	0.0383362	0.69	0.0000000	0.00	0.153819	0.33	0.0018537	14.70	0.030301	128.78	12.7852	0.29	0.0174425	7.31	5.91345	7.18	60.6117	0.69	0.0000000	0.00	0.0488780	2.68
13D08251	3.0 %	0.227744	0.66	0.0000000	0.00	0.0141022	3.50	0.0000151	80.94	52.9560	3.50	0.0425654	0.66	0.0000000	0.00	0.311292	0.23	0.0038022	13.29	0.048691	80.95	25.8742	0.16	0.0357771	3.74	9.92950	4.56	67.2985	0.66	0.0000000	0.00	0.0989170	2.66
13D08252	3.3 %	0.139521	0.90	0.0000000	0.00	0.0123493	3.97	0.0000004	#####	46.3736	3.96	0.0260765	0.90	0.0000000	0.00	0.275445	0.23	0.0033296	13.42	0.001361	#####	22.8946	0.17	0.0313300	4.18	8.96777	4.20	41.2285	0.90	0.0000000	0.00	0.0875262	2.67
13D08254	3.6 %	0.114157	1.05	0.0000000	0.00	0.0135246	3.87	0.0000006	#####	50.7871	3.86	0.0213359	1.05	0.0000000	0.00	0.293608	0.24	0.0036465	13.39	0.001819	#####	24.4043	0.17	0.0343117	4.08	9.03625	3.99	33.7333	1.05	0.0000000	0.00	0.0932978	2.67
13D08255	3.7 %	0.148805	0.91	0.0000000	0.00	0.0230768	2.23	0.0000096	127.36	86.6573	2.22	0.0278117	0.91	0.0000000	0.00	0.478536	0.20	0.0062220	13.01	0.031044	127.36	39.7753	0.12	0.0585457	2.59	14.14804	2.88	43.9720	0.91	0.0000000	0.00	0.1520609	2.66
13D08256	3.9 %	0.130480	1.02	0.0000000	0.00	0.0248066	2.03	0.0000018	681.96	93.1528	2.02	0.0243866	1.02	0.0000000	0.00	0.507817	0.19	0.0066884	12.98	0.005789	681.96	42.2090	0.11	0.0629340	2.42	14.16104	2.82	38.5567	1.02	0.0000000	0.00	0.1613651	2.66
13D08258	4.2 %	0.113020	1.14	0.0000000	0.00	0.0261838	1.97	0.0000000	0.00	98.3245	1.96	0.0211234	1.14	0.0000000	0.00	0.502158	0.19	0.0070597	12.97	0.0000000	0.00	41.7386	0.11	0.0664281	2.37	14.12862	2.75	33.3974	1.14	0.0000000	0.00	0.1595668	2.66
13D08259	4.5 %	✓ 0.125893	1.01	0.0000000	0.00	0.0330707	1.65	0.0000166	72.62	124.1857	1.64	0.0235293	1.01	0.0000000	0.00	0.635917	0.19	0.0089165	12.92	0.053680	72.62	52.8566	0.10	0.0838999	2.11	17.26599	2.21	37.2013	1.01	0.0000000	0.00	0.2020706	2.66
13D08260	4.7 %	✓ 0.090145	1.32	0.0000000	0.00	0.0273840	2.00	0.0000213	56.70	102.8313	2.00	0.0168481	1.32	0.0000000	0.00	0.509097	0.19	0.0073833	12.97	0.068681	56.71	42.3154	0.11	0.0694728	2.39	13.89156	2.59	26.6378	1.32	0.0000000	0.00	0.1617719	2.66
13D08262	4.8 %	✓ 0.103732	1.26	0.0000000	0.00	0.0351737	1.54	0.0000198	59.01	132.0828	1.53	0.0193875	1.26	0.0000000	0.00	0.634415	0.19	0.0094835	12.91	0.063935	59.02	52.7317	0.09	0.0892352	2.02	17.28497	2.28	30.6528	1.26	0.0000000	0.00	0.2015932	2.66
13D08263	5.1 %	✓ 0.055006	1.94	0.0000000	0.00	0.0193618	2.64	0.0000150	80.96	72.7068	2.64	0.0102807	1.94	0.0000000	0.00	0.356789	0.22	0.0052204	13.09	0.048440	80.96	29.6558	0.15	0.0491207	2.95	9.65528	3.35	16.2544	1.94	0.0000000	0.00	0.1133742	2.66
13D08264	5.4 %	✓ 0.055528	1.88	0.0000000	0.00	0.0214053	2.49	0.0000293	41.32	80.3803	2.48	0.0103782	1.88	0.0000000	0.00	0.372295	0.21	0.0057713	13.06	0.094493	41.33	30.9446	0.14	0.0543049	2.81	10.13061	3.14	16.4085	1.88	0.0000000	0.00	0.1183013	2.66
13D08266	5.7 %	✓ 0.106904	1.26	0.0000000	0.00	0.0415241	1.34	0.0000427	28.46	155.9296	1.33	0.0199803	1.26	0.0000000	0.00	0.721103	0.18	0.0111957	12.89	0.137650	28.47	59.9371	0.09	0.1053460	1.88	19.12426	2.11	31.5900	1.26	0.0000000	0.00	0.2291395	2.66
13D08267	5.9 %	✓ 0.059927	1.86	0.0000000	0.00	0.0243974	2.25	0.0000231	52.64	91.6161	2.24	0.0112003	1.86	0.0000000	0.00	0.424514	0.20	0.0065780	13.01	0.074636	52.64	35.2850	0.13	0.0618959	2.60	10.98446	3.08	17.7084	1.86	0.0000000	0.00	0.1348945	2.66
13D08268	6.1 %	✓ 0.062356	1.73	0.0000000	0.00	0.0254755	2.06	0.0000277	43.40	95.6648	2.05	0.0116544	1.73	0.0000000	0.00	0.439995	0.20	0.0068687	12.98	0.089293	43.41	36.5718	0.12	0.0646312	2.44	11.49320	2.85	18.4263	1.73	0.0000000	0.00	0.1398139	2.66
13D08270	6.5 %	✓ 0.064873	1.71	0.0000000	0.00	0.0281351	1.82	0.0000500	24.72	105.6521	1.81	0.0121247	1.71	0.0000000	0.00	0.476792	0.20	0.0075858	12.95	0.161107	24.73	39.6303	0.11	0.0713785	2.24	12.57061	2.67	19.1699	1.71	0.0000000	0.00	0.1515066	2.66
13D08271	6.9 %	✓ 0.079051	1.49	0.0000000	0.00	0.0350553	1.48	0.0000281	44.13	131.6384	1.47	0.0147746	1.49	0.0000000	0.00	0.598108	0.19	0.0094516	12.90	0.090584	44.14	49.7139	0.10	0.0889349	1.98	16.10724	2.21	23.3595	1.49	0.0000000	0.00	0.1900562	2.66
13D08272	7.1 %	✓ 0.071362	1.54	0.0000000	0.00	0.0304711	1.71	0.0000626	20.47	114.4238	1.71	0.0133375	1.54	0.0000000	0.00	0.531457	0.19	0.0082156	12.93	0.201824	20.49	44.1739	0.11	0.0773047	2.16	13.70237	2.43	21.0874	1.54	0.0000000	0.00	0.1688770	2.66
13D08274	7.3 %	✓ 0.063653	1.87	0.0000000	0.00	0.0277036	1.88	0.0000545	23.23	104.0314	1.88	0.0118967	1.87	0.0000000	0.00	0.484446	0.20	0.0074695	12.96	0.175867	23.24	40.2665	0.11	0.0702836	2.30	13.16419	2.73	18.8093	1.87	0.0000000	0.00	0.1539387	2.66
13D08275	7.8 %	✓ 0.081697	1.39	0.0000000	0.00	0.0333094	1.63	0.0000732	16.71	125.0823	1.62	0.0152691	1.39	0.0000000	0.00	0.597091	0.19	0.0089809	12.92	0.235959	16.73	49.6294	0.10	0.0845056	2.09	15.31608	2.24	24.1414	1.39	0.0000000	0.00	0.1897332	2.66
13D08276	8.1 %	✓ 0.076089	1.49	0.0000000	0.00	0.0299535	1.82	0.0000757	15.77	112.4802	1.82	0.0142211	1.49	0.0000000	0.00	0.548422	0.19	0.0080761	12.95	0.244062	15.80	45.5840	0.10	0.0759916	2.25	14.32723	2.40	22.4843	1.49	0.0000000	0.00	0.1742678	2.66
13D08278	8.3 %	✓ 0.069915	1.69	0.0000000	0.00	0.0271686	1.99	0.0000734	17.15	102.0226	1.99	0.0130671	1.69	0.0000000	0.00	0.481109	0.20	0.0073252	12.97	0.236498	17.17	39.9891	0.12	0.0689265	2.39	12.65494	2.83	20.6599	1.69	0.0000000	0.00	0.1528784	2.66
13D08279	8.8 %	✓ 0.085809	1.39	0.0000000	0.00	0.0291232	1.83	0.0000969	12.43	109.3625	1.83	0.0160378	1.39	0.0000000	0.00	0.528237	0.19	0.0078522	12.95	0.312277	12.47	43.9063	0.10	0.0738853	2.25	13.78102	2.61	25.3566	1.39	0.0000000	0.00	0.1678539	2.66
13D08280	9.3 %	✓ 0.098852	1.16	0.0000000	0.00	0.0304171	1.74	0.0000996	12.43	114.2212	1.73	0.0184755	1.16	0.0000000	0.00	0.553242	0.19	0.0082011	12.94	0.321138	12.47	45.9847	0.10	0.0771679	2.18	14.45911	2.41	29.2108	1.16	0.0000000	0.00	0.1757996	2.66
13D08282	9.9 %	✓ 0.119204	1.06	0.0000000	0.00	0.0312335	1.67	0.0001233	9.95	117.2871	1.67	0.0222793	1.06	0.0000000	0.00	0.555741	0.19	0.0084212	12.93	0.397434	9.99	46.1924	0.10	0.0792391	2.13	13.96011	2.72	35.2249	1.06	0.0000000	0.00	0.1765935	2.66
13D08283	10.5 %	✓ 0.132204	1.04	0.0000000	0.00	0.0316957	1.71	0.0001781	6.97	119.0226	1.70	0.0247089	1.04	0.0000000	0.00	0.539650	0.19	0.0085458	12.93	0.574228	7.03	44.8549	0.10	0.0804117	2.15	14.65458	2.82	39.0662	1.04	0.0000000	0.00	0.1714804	2.66
13D08284	11.2 %	✓ 0.208703	0.76	0.0000000	0.00	0.0361474	1.53	0.0002388	5.33	135.7392	1.52	0.0390065	0.76	0.0000000	0.00	0.597548	0.19	0.0097461															

Additional Parameters		40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
13D08244	1.8 %	419.567562	2.407240	2.776122	0.315873	1.375678	0.008699	190.697	43.341886	1.00134735	1.213E-10
13D08246	2.0 %	59.378742	0.298350	2.682322	0.280679	0.193507	0.001170	190.715	43.356751	1.00134747	1.956E-11
13D08247	2.2 %	17.528200	0.063022	2.145956	0.188213	0.056885	0.000304	190.724	43.364483	1.00134753	8.750E-12
13D08248	2.4 %	8.831628	0.036137	2.111112	0.189237	0.028396	0.000203	190.732	43.371622	1.00134759	4.206E-12
13D08250	2.7 %	5.200009	0.016155	2.016592	0.145165	0.016559	0.000114	190.749	43.386497	1.00134772	3.196E-12
13D08251	3.0 %	2.984447	0.005600	2.043849	0.071577	0.009335	0.000057	190.758	43.393639	1.00134778	3.712E-12
13D08252	3.3 %	2.193314	0.004933	2.022755	0.080260	0.006624	0.000051	190.767	43.401378	1.00134784	2.414E-12
13D08254	3.6 %	1.753897	0.004257	2.078147	0.080351	0.005225	0.000045	190.784	43.416263	1.00134796	2.057E-12
13D08255	3.7 %	1.462880	0.002552	2.175471	0.048443	0.004315	0.000032	190.792	43.423410	1.00134802	2.797E-12
13D08256	3.9 %	1.250927	0.002229	2.203654	0.044659	0.003674	0.000029	190.801	43.431154	1.00134808	2.538E-12
13D08258	4.2 %	1.140664	0.002154	2.351977	0.046253	0.003330	0.000029	190.818	43.445454	1.00134820	2.289E-12
13D08259	4.5 %	✓ 1.032657	0.001729	2.345762	0.038534	0.003003	0.000022	190.827	43.453202	1.00134827	2.624E-12
13D08260	4.7 %	✓ 0.960039	0.002043	2.426131	0.048517	0.002773	0.000025	190.835	43.460355	1.00134832	1.953E-12
13D08262	4.8 %	✓ 0.911369	0.001642	2.500578	0.038434	0.002630	0.000023	190.853	43.475260	1.00134845	2.311E-12
13D08263	5.1 %	✓ 0.876051	0.002791	2.447634	0.064709	0.002504	0.000032	190.862	43.483013	1.00134851	1.249E-12
13D08264	5.4 %	✓ 0.859947	0.002669	2.593001	0.064427	0.002483	0.000029	190.870	43.490171	1.00134857	1.280E-12
13D08266	5.7 %	✓ 0.848456	0.001450	2.596990	0.034750	0.002473	0.000021	190.887	43.505087	1.00134869	2.445E-12
13D08267	5.9 %	✓ 0.815566	0.002309	2.591916	0.058166	0.002386	0.000028	190.896	43.512249	1.00134875	1.384E-12
13D08268	6.1 %	✓ 0.820477	0.002201	2.611195	0.053645	0.002398	0.000026	190.905	43.520009	1.00134882	1.443E-12
13D08270	6.5 %	✓ 0.803292	0.002059	2.661149	0.048342	0.002344	0.000025	190.922	43.534935	1.00134894	1.531E-12
13D08271	6.9 %	✓ 0.796276	0.001701	2.643192	0.038943	0.002292	0.000021	190.931	43.542101	1.00134900	1.904E-12
13D08272	7.1 %	✓ 0.790003	0.001871	2.585777	0.044267	0.002303	0.000022	190.940	43.549866	1.00134906	1.678E-12
13D08274	7.3 %	✓ 0.796482	0.002036	2.579073	0.048518	0.002266	0.000027	190.956	43.564205	1.00134918	1.542E-12
13D08275	7.8 %	✓ 0.797507	0.001681	2.516043	0.040962	0.002315	0.000020	190.965	43.571974	1.00134924	1.903E-12
13D08276	8.1 %	✓ 0.810026	0.001823	2.463429	0.044827	0.002324	0.000022	190.974	43.579147	1.00134930	1.775E-12
13D08278	8.3 %	✓ 0.835481	0.002065	2.546870	0.050750	0.002425	0.000026	190.991	43.594093	1.00134942	1.606E-12
13D08279	8.8 %	✓ 0.893709	0.001937	2.486630	0.045516	0.002615	0.000024	191.000	43.601868	1.00134949	1.887E-12
13D08280	9.3 %	✓ 0.951888	0.001880	2.479735	0.043033	0.002809	0.000022	191.008	43.609045	1.00134955	2.105E-12
13D08282	9.9 %	✓ 1.066778	0.001909	2.534751	0.042309	0.003254	0.000025	191.026	43.624002	1.00134967	2.369E-12
13D08283	10.5 %	✓ 1.199330	0.002090	2.648754	0.045140	0.003651	0.000028	191.034	43.631183	1.00134973	2.587E-12
13D08284	11.2 %	✓ 1.555642	0.002164	2.727928	0.041614	0.004926	0.000030	191.043	43.638964	1.00134979	3.716E-12
13D08286	11.9 %	2.120637	0.002776	2.775013	0.045431	0.006889	0.000035	191.060	43.653931	1.00134991	4.760E-12
13D08287	12.8 %	3.203788	0.003627	2.780441	0.040169	0.010774	0.000047	191.069	43.661117	1.00134997	7.581E-12
13D08288	13.9 %	4.685190	0.005008	2.896472	0.043266	0.016003	0.000063	191.077	43.668304	1.00135003	1.061E-11
13D08290	15.2 %	6.631480	0.007052	3.122415	0.045595	0.022540	0.000083	191.094	43.683281	1.00135016	1.478E-11
13D08291	16.7 %	9.141676	0.009947	4.053066	0.049278	0.031497	0.000109	191.103	43.691071	1.00135022	1.956E-11
13D08292	18.2 %	10.935255	0.013672	5.881616	0.060472	0.038177	0.000129	191.112	43.698264	1.00135028	2.014E-11
13D08294	19.7 %	12.092729	0.018246	8.526396	0.085600	0.042969	0.000158	191.129	43.713251	1.00135040	1.624E-11
13D08296	21.2 %	12.939003	0.023521	11.975439	0.109491	0.046230	0.000180	191.147	43.728244	1.00135052	1.415E-11

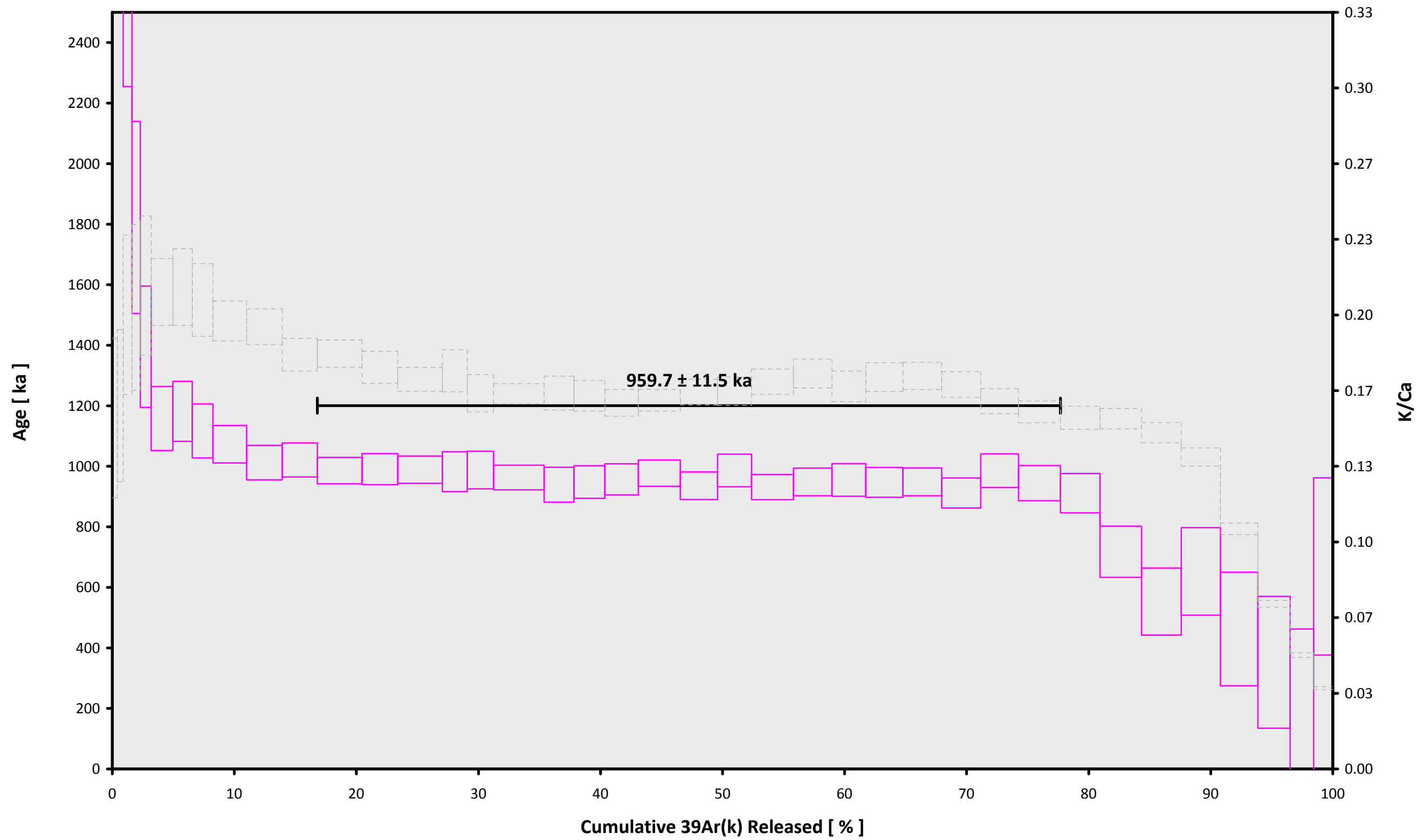
Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
13D08244	1.8 %	0.0145269 ± 0.0005116	0.0196341 ± 0.0299483	0.0076907 ± 0.0275322	0.0438980 ± 0.0253233	4.1447906 ± 0.0669133
13D08246	2.0 %	0.0147258 ± 0.0005116	0.0318870 ± 0.0299483	0.0084073 ± 0.0275322	0.0339569 ± 0.0253233	4.1707180 ± 0.0669133
13D08247	2.2 %	0.0148057 ± 0.0005116	0.0362777 ± 0.0299483	0.0093621 ± 0.0275322	0.0296471 ± 0.0253233	4.1809437 ± 0.0669133
13D08248	2.4 %	0.0148664 ± 0.0005116	0.0392807 ± 0.0299483	0.0105215 ± 0.0275322	0.0261496 ± 0.0253233	4.1885493 ± 0.0669133
13D08250	2.7 %	0.0149554 ± 0.0005116	0.0427424 ± 0.0299483	0.0135785 ± 0.0275322	0.0202243 ± 0.0253233	4.1991755 ± 0.0669133
13D08251	3.0 %	0.0149817 ± 0.0005116	0.0432595 ± 0.0299483	0.0152590 ± 0.0275322	0.0179786 ± 0.0253233	4.2019718 ± 0.0669133
13D08252	3.3 %	0.0149992 ± 0.0005116	0.0431205 ± 0.0299483	0.0171695 ± 0.0275322	0.0159444 ± 0.0253233	4.2034614 ± 0.0669133
13D08254	3.6 %	0.0150040 ± 0.0005116	0.0411845 ± 0.0299483	0.0209316 ± 0.0275322	0.0130883 ± 0.0253233	4.2022451 ± 0.0669133
13D08255	3.7 %	0.0149943 ± 0.0005116	0.0396392 ± 0.0299483	0.0227033 ± 0.0275322	0.0121619 ± 0.0253233	4.1999463 ± 0.0669133
13D08256	3.9 %	0.0149759 ± 0.0005116	0.0376253 ± 0.0299483	0.0245478 ± 0.0275322	0.0114493 ± 0.0253233	4.1963385 ± 0.0669133
13D08258	4.2 %	0.0149232 ± 0.0005116	0.0332500 ± 0.0299483	0.0276302 ± 0.0275322	0.0108430 ± 0.0253233	4.1869849 ± 0.0669133
13D08259	4.5 %	0.0148860 ± 0.0005116	0.0306611 ± 0.0299483	0.0290670 ± 0.0275322	0.0108532 ± 0.0253233	4.1806543 ± 0.0669133
13D08260	4.7 %	0.0148471 ± 0.0005116	0.0282111 ± 0.0299483	0.0302171 ± 0.0275322	0.0110477 ± 0.0253233	4.1741389 ± 0.0669133
13D08262	4.8 %	0.0147547 ± 0.0005116	0.0231315 ± 0.0299483	0.0319893 ± 0.0275322	0.0119458 ± 0.0253233	4.1588507 ± 0.0669133
13D08263	5.1 %	0.0147019 ± 0.0005116	0.0206029 ± 0.0299483	0.0325423 ± 0.0275322	0.0126375 ± 0.0253233	4.1501713 ± 0.0669133
13D08264	5.4 %	0.0146511 ± 0.0005116	0.0183900 ± 0.0299483	0.0328119 ± 0.0275322	0.0133903 ± 0.0253233	4.1418271 ± 0.0669133
13D08266	5.7 %	0.0145414 ± 0.0005116	0.0142863 ± 0.0299483	0.0325956 ± 0.0275322	0.0152488 ± 0.0253233	4.1237488 ± 0.0669133
13D08267	5.9 %	0.0144880 ± 0.0005116	0.0126110 ± 0.0299483	0.0321085 ± 0.0275322	0.0162530 ± 0.0253233	4.1148897 ± 0.0669133
13D08268	6.1 %	0.0144304 ± 0.0005116	0.0110414 ± 0.0299483	0.0312976 ± 0.0275322	0.0174042 ± 0.0253233	4.1052700 ± 0.0669133
13D08270	6.5 %	0.0143227 ± 0.0005116	0.0087974 ± 0.0299483	0.0289205 ± 0.0275322	0.0197545 ± 0.0253233	4.0870185 ± 0.0669133
13D08271	6.9 %	0.0142734 ± 0.0005116	0.0080975 ± 0.0299483	0.0274088 ± 0.0275322	0.0209256 ± 0.0253233	4.0785160 ± 0.0669133
13D08272	7.1 %	0.0142226 ± 0.0005116	0.0076178 ± 0.0299483	0.0255133 ± 0.0275322	0.0222123 ± 0.0253233	4.0695955 ± 0.0669133
13D08274	7.3 %	0.0141377 ± 0.0005116	0.0074729 ± 0.0299483	0.0213606 ± 0.0275322	0.0246060 ± 0.0253233	4.0541826 ± 0.0669133
13D08275	7.8 %	0.0140975 ± 0.0005116	0.0077719 ± 0.0299483	0.0187934 ± 0.0275322	0.0258976 ± 0.0253233	4.0465468 ± 0.0669133
13D08276	8.1 %	0.0140646 ± 0.0005116	0.0082612 ± 0.0299483	0.0162517 ± 0.0275322	0.0270794 ± 0.0253233	4.0400264 ± 0.0669133
13D08278	8.3 %	0.0140111 ± 0.0005116	0.0098392 ± 0.0299483	0.0105264 ± 0.0275322	0.0294904 ± 0.0253233	4.0283234 ± 0.0669133
13D08279	8.8 %	0.0139922 ± 0.0005116	0.0108925 ± 0.0299483	0.0073803 ± 0.0275322	0.0307097 ± 0.0253233	4.0233733 ± 0.0669133
13D08280	9.3 %	0.0139807 ± 0.0005116	0.0119583 ± 0.0299483	0.0044153 ± 0.0275322	0.0318114 ± 0.0253233	4.0195703 ± 0.0669133
13D08282	9.9 %	0.0139767 ± 0.0005116	0.0142908 ± 0.0299483	0.0018047 ± 0.0275322	0.0340295 ± 0.0253233	4.0142371 ± 0.0669133
13D08283	10.5 %	0.0139852 ± 0.0005116	0.0153698 ± 0.0299483	0.0047361 ± 0.0275322	0.0350578 ± 0.0253233	4.0130232 ± 0.0669133
13D08284	11.2 %	0.0140024 ± 0.0005116	0.0164302 ± 0.0299483	0.0078111 ± 0.0275322	0.0361472 ± 0.0253233	4.0127675 ± 0.0669133
13D08286	11.9 %	0.0140608 ± 0.0005116	0.0178913 ± 0.0299483	0.0132353 ± 0.0275322	0.0381817 ± 0.0253233	4.0155786 ± 0.0669133
13D08287	12.8 %	0.0141012 ± 0.0005116	0.0181891 ± 0.0299483	0.0155121 ± 0.0275322	0.0391376 ± 0.0253233	4.0185642 ± 0.0669133
13D08288	13.9 %	0.0141501 ± 0.0005116	0.0181329 ± 0.0299483	0.0175103 ± 0.0275322	0.0400864 ± 0.0253233	4.0226676 ± 0.0669133
13D08290	15.2 %	0.0142804 ± 0.0005116	0.0165551 ± 0.0299483	0.0205481 ± 0.0275322	0.0420657 ± 0.0253233	4.0349780 ± 0.0669133
13D08291	16.7 %	0.0143639 ± 0.0005116	0.0147649 ± 0.0299483	0.0213938 ± 0.0275322	0.0431125 ± 0.0253233	4.0434776 ± 0.0669133
13D08292	18.2 %	0.0144509 ± 0.0005116	0.0124006 ± 0.0299483	0.0216433 ± 0.0275322	0.0441010 ± 0.0253233	4.0526491 ± 0.0669133
13D08294	19.7 %	0.0146639 ± 0.0005116	0.0048720 ± 0.0299483	0.0202454 ± 0.0275322	0.0462691 ± 0.0253233	4.0759934 ± 0.0669133
13D08296	21.2 %	0.0149214 ± 0.0005116	0.0069068 ± 0.0299483	0.0157579 ± 0.0275322	0.0486618 ± 0.0253233	4.1052968 ± 0.0669133

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)
13D08244	1.8 %	7.9899185 ± 0.0062710	0.9886	EXP 149 of 150	0.3984453 ± 0.0308461	0.0068	EXP 150 of 150	1.7422103 ± 0.0280480	0.1493	EXP 150 of 150	6.021886 ± 0.022829	0.4385	EXP 150 of 150	2535.91523 ± 0.10759	1.0000	EXP 150 of 150
13D08246	2.0 %	1.2929269 ± 0.0027814	0.9108	EXP 150 of 150	0.4487690 ± 0.0315593	0.0244	EXP 150 of 150	0.3543589 ± 0.0278128	0.0013	EXP 150 of 150	6.845129 ± 0.022576	0.7268	EXP 150 of 150	412.41520 ± 0.06092	0.9993	EXP 150 of 150
13D08247	2.2 %	0.5843589 ± 0.0016680	0.8348	EXP 150 of 150	0.5417258 ± 0.0325071	0.0014	EXP 150 of 150	0.3218437 ± 0.0234810	0.0520	EXP 150 of 150	10.353759 ± 0.026014	0.8526	EXP 149 of 150	186.84685 ± 0.03631	0.9981	EXP 150 of 150
13D08248	2.4 %	0.2860710 ± 0.0013637	0.5449	EXP 150 of 150	0.5135242 ± 0.0299883	0.0143	EXP 150 of 150	0.2008174 ± 0.0267655	0.0137	EXP 150 of 150	9.874387 ± 0.029614	0.7965	EXP 150 of 150	91.98295 ± 0.03041	0.9864	EXP 150 of 150
13D08250	2.7 %	0.2190511 ± 0.0010461	0.4608	EXP 150 of 150	0.6271534 ± 0.0293071	0.0064	EXP 150 of 150	0.2080505 ± 0.0269740	0.0014	EXP 150 of 150	12.729410 ± 0.025456	0.9083	EXP 150 of 150	70.90894 ± 0.03500	0.9438	EXP 150 of 150
13D08251	3.0 %	0.2478252 ± 0.0011316	0.5687	EXP 150 of 150	1.2417743 ± 0.0285353	0.0432	EXP 150 of 150	0.3862355 ± 0.0275136	0.0170	EXP 150 of 150	25.738717 ± 0.028201	0.9729	EXP 150 of 150	81.68648 ± 0.03597	0.9707	EXP 150 of 150
13D08252	3.3 %	0.1612074 ± 0.0009080	0.3066	EXP 149 of 150	1.0924727 ± 0.0282416	0.0544	EXP 150 of 150	0.2853832 ± 0.0280489	0.0001	EXP 150 of 150	22.774470 ± 0.025420	0.9708	EXP 150 of 150	54.58978 ± 0.03270	0.6649	EXP 150 of 150
13D08254	3.6 %	0.1379251 ± 0.0008435	0.1866	EXP 150 of 150	1.1900117 ± 0.0320805	0.0663	EXP 150 of 150	0.2956488 ± 0.0266215	0.0001	EXP 150 of 150	24.273246 ± 0.029659	0.9674	EXP 149 of 150	47.15247 ± 0.03010	0.0529	EXP 150 of 150
13D08255	3.7 %	0.1804768 ± 0.0010103	0.3479	EXP 150 of 150	1.9995447 ± 0.0296166	0.1250	EXP 150 of 150	0.5144140 ± 0.0276712	0.0073	EXP 150 of 150	39.555056 ± 0.029576	0.9873	EXP 150 of 150	62.59081 ± 0.03564	0.8900	EXP 150 of 150
13D08256	3.9 %	0.1644737 ± 0.0009985	0.3535	EXP 150 of 150	2.1440614 ± 0.0278396	0.0861	EXP 150 of 150	0.5136234 ± 0.0275911	0.0059	EXP 150 of 150	41.974665 ± 0.028930	0.9894	EXP 150 of 150	57.18325 ± 0.03149	0.8319	EXP 150 of 150
13D08258	4.2 %	0.1489364 ± 0.0009589	0.2558	EXP 150 of 150	2.2559021 ± 0.0290889	0.1638	EXP 150 of 150	0.4931046 ± 0.0245306	0.0000	EXP 150 of 150	41.510580 ± 0.028370	0.9894	EXP 150 of 150	51.96971 ± 0.02934	0.7576	EXP 150 of 150
13D08259	4.5 %	0.1679381 ± 0.0008970	0.3962	EXP 150 of 150	2.8374112 ± 0.0310455	0.1424	EXP 150 of 150	0.6843463 ± 0.0268593	0.0215	EXP 150 of 150	52.564647 ± 0.031635	0.9921	EXP 150 of 150	58.96142 ± 0.03134	0.8945	EXP 150 of 150
13D08260	4.7 %	0.1280143 ± 0.0008291	0.2465	EXP 150 of 150	2.3519435 ± 0.0328555	0.1743	EXP 150 of 150	0.5645969 ± 0.0268204	0.0254	EXP 150 of 150	42.086378 ± 0.028981	0.9892	EXP 149 of 150	44.94825 ± 0.03189	0.0323	EXP 150 of 150
13D08262	4.8 %	0.1485000 ± 0.0009689	0.2586	EXP 150 of 150	3.0068514 ± 0.0301228	0.2494	EXP 150 of 150	0.6865406 ± 0.0250499	0.0114	EXP 150 of 150	52.447064 ± 0.026937	0.9941	EXP 150 of 150	52.39630 ± 0.03182	0.7532	EXP 150 of 150
13D08263	5.1 %	0.0863116 ± 0.0007161	0.0016	EXP 150 of 150	1.6627404 ± 0.0298943	0.0554	EXP 150 of 150	0.3831591 ± 0.0272315	0.0086	EXP 149 of 150	29.500616 ± 0.031191	0.9757	EXP 150 of 150	30.22626 ± 0.02996	0.8581	EXP 150 of 150
13D08264	5.4 %	0.0887441 ± 0.0006744	0.0266	EXP 150 of 150	1.8335388 ± 0.0319867	0.1799	EXP 150 of 150	0.4443537 ± 0.0269784	0.0447	EXP 150 of 150	30.785915 ± 0.028197	0.9816	EXP 149 of 150	30.85362 ± 0.03220	0.8383	EXP 150 of 150
13D08266	5.7 %	0.1574757 ± 0.0009979	0.3041	EXP 150 of 150	3.5342848 ± 0.0301049	0.3290	EXP 150 of 150	0.8466976 ± 0.0270791	0.0644	EXP 150 of 150	59.619133 ± 0.030176	0.9942	EXP 150 of 150	55.17097 ± 0.03135	0.8614	EXP 150 of 150
13D08267	5.9 %	0.0956902 ± 0.0007573	0.0993	EXP 150 of 150	2.0804387 ± 0.0333129	0.1052	EXP 149 of 150	0.4786409 ± 0.0273145	0.0000	EXP 150 of 150	35.104946 ± 0.029650	0.9836	EXP 150 of 150	33.00135 ± 0.02931	0.7397	EXP 150 of 150
13D08268	6.1 %	0.0990140 ± 0.0007202	0.0780	EXP 149 of 150	2.1698656 ± 0.0301837	0.1908	EXP 150 of 150	0.5099670 ± 0.0265597	0.0100	EXP 150 of 150	36.386218 ± 0.027302	0.9875	EXP 150 of 150	34.22587 ± 0.02741	0.7312	EXP 150 of 150
13D08270	6.5 %	0.1039108 ± 0.0007657	0.1038	EXP 150 of 150	2.3921813 ± 0.0280099	0.2503	EXP 150 of 150	0.6208301 ± 0.0280217	0.0681	EXP 150 of 150	39.431428 ± 0.027869	0.9889	EXP 150 of 150	36.04407 ± 0.03003	0.5207	EXP 150 of 150
13D08271	6.9 %	0.1241519 ± 0.0008332	0.1398	EXP 150 of 150	2.9772132 ± 0.0268168	0.2998	EXP 150 of 150	0.6769887 ± 0.0282443	0.0001	EXP 149 of 150	49.459962 ± 0.031290	0.9909	EXP 150 of 150	43.81613 ± 0.03267	0.2181	EXP 150 of 150
13D08272	7.1 %	0.1123186 ± 0.0007362	0.1921	EXP 150 of 150	2.5879974 ± 0.0287876	0.2743	EXP 150 of 150	0.7202996 ± 0.0300250	0.0579	EXP 150 of 150	43.950229 ± 0.030691	0.9892	EXP 150 of 150	39.09947 ± 0.03039	0.2090	EXP 150 of 150
13D08274	7.3 %	0.1021399 ± 0.0008655	0.0300	EXP 150 of 150	2.3527198 ± 0.0293693	0.2132	EXP 150 of 150	0.6501948 ± 0.0294178	0.0157	EXP 150 of 150	40.066703 ± 0.028512	0.9886	EXP 150 of 150	36.24714 ± 0.03085	0.4279	EXP 150 of 150
13D08275	7.8 %	0.1248858 ± 0.0007569	0.3197	EXP 149 of 150	2.8270804 ± 0.0306892	0.2932	EXP 150 of 150	0.8282611 ± 0.0273981	0.0514	EXP 149 of 150	49.376652 ± 0.029706	0.9919	EXP 150 of 150	43.77454 ± 0.03053	0.1838	EXP 150 of 150
13D08276	8.1 %	0.1162261 ± 0.0007672	0.1647	EXP 150 of 150	2.5431056 ± 0.0318436	0.1689	EXP 150 of 150	0.7887913 ± 0.0260813	0.0417	EXP 150 of 150	45.353572 ± 0.025698	0.9928	EXP 150 of 150	41.10123 ± 0.03280	0.0371	EXP 150 of 150
13D08278	8.3 %	0.1075456 ± 0.0008427	0.1155	EXP 150 of 150	2.3082245 ± 0.0319454	0.2386	EXP 150 of 150	0.7186525 ± 0.0289863	0.0434	EXP 150 of 150	39.794917 ± 0.030193	0.9869	EXP 150 of 150	37.56428 ± 0.02914	0.1642	EXP 150 of 150
13D08279	8.8 %	0.1247325 ± 0.0008426	0.1876	EXP 150 of 150	2.4741927 ± 0.0305130	0.1568	EXP 150 of 150	0.8466929 ± 0.0264906	0.0332	EXP 150 of 150	43.689646 ± 0.025823	0.9920	EXP 150 of 150	43.40900 ± 0.03376	0.2652	EXP 150 of 150
13D08280	9.3 %	0.1385259 ± 0.0007786	0.2211	EXP 150 of 150	2.5842738 ± 0.0295342	0.1599	EXP 150 of 150	0.8858723 ± 0.0280386	0.0095	EXP 150 of 150	45.757217 ± 0.027482	0.9919	EXP 150 of 150	47.95469 ± 0.03185	0.7182	EXP 150 of 150
13D08282	9.9 %	0.1589239 ± 0.0009056	0.3835	EXP 149 of 150	2.6547446 ± 0.0284595	0.2422	EXP 150 of 150	0.9739208 ± 0.0274248	0.0056	EXP 150 of 150	45.967649 ± 0.027954	0.9917	EXP 150 of 150	53.47640 ± 0.02754	0.9160	EXP 150 of 150
13D08283	10.5 %	0.1719450 ± 0.0010265	0.3246	EXP 150 of 150	2.6944549 ± 0.0307395	0.2553	EXP 150 of 150	1.1381581 ± 0.0278028	0.0770	EXP 150 of 150	44.642138 ± 0.027419	0.9913	EXP 150 of 150	58.01517 ± 0.03475	0.9226	EXP 150 of 150
13D08284	11.2 %	0.2499527 ± 0.0012025	0.5629	EXP 150 of 150	3.0712444 ± 0.0309847	0.2938	EXP 150 of 150	1.4068622 ± 0.0287978	0.0831	EXP 150 of 150	49.431732 ± 0.028658	0.9924	EXP 150 of 150	81.57785 ± 0.03493	0.9822	EXP 150 of 150
13D08286	11.9 %	0.3241800 ± 0.0011953	0.6929	EXP 150 of 150	2.9373009 ± 0.0331492	0.2054	EXP 150 of 150	1.5563055 ± 0.0263314	0.1187	EXP 150 of 150	46.459253 ± 0.030736	0.9901	EXP 150 of 150	103.38436 ± 0.03669	0.9917	EXP 150 of 150
13D08287	12.8 %	0.5253909 ± 0.0016760	0.7856	EXP 150 of 150	3.1011766 ± 0.0276718	0.1972	EXP 150 of 150	1.9327909 ± 0.0270905	0.1163	EXP 150 of 150	48.973587 ± 0.030803	0.9910	EXP 150 of 150	162.26977 ± 0.03575	0.9979	EXP 150 of 150
13D08288	13.9 %	0.7407818 ± 0.0019759	0.8647	EXP 150 of 150	3.0904062 ± 0.0298422	0.2512	EXP 150 of 150	2.0952599 ± 0.0253920	0.1111	EXP 150 of 150	46.858710 ± 0.026809	0.9926	EXP 150 of 150	225.44141 ± 0.04585	0.9985	EXP 150 of 150
13D08290	15.2 %	1.0216615 ± 0.0024311	0.8894	EXP 150 of 150	3.2754739 ± 0.0317587	0.2288	EXP 150 of 150	2.3122135 ± 0.0288032	0.1690	EXP 150 of 150	46.127091 ± 0.028107	0.9916	EXP 150 of 150	312.52344 ± 0.04551	0.9993	EXP 150 of 150
13D08291	16.7 %	1.3656859 ± 0.0027997	0.9261	EXP 150 of 150	4.0748842 ± 0.0313239	0.3537	EXP 150 of 150	2.4175458 ± 0.0263991	0.2086	EXP 150 of 150	44.282535 ± 0.028831	0.9903	EXP 150 of 150	412.27253 ± 0.05296	0.9995	EXP 150 of 150
13D08292	18.2 %	1.4243589 ± 0.0025861	0.9357	EXP 150 of 150	5.0832748 ± 0.0306572	0.4466	EXP 150 of 150	2.1261048 ± 0.0267497	0.1229	EXP 149 of 150	38.125418 ± 0.031680	0.9840	EXP 150 of 150	424.40120 ± 0.05258	0.9995	EXP 150 of 150
13D08294	19.7 %	1.1722320 ± 0.0024996	0.9145	EXP 150 of 150	5.3652802 ± 0.0315289	0.4820	EXP 149 of 150	1.5702135 ± 0.0287289	0.0421	EXP 150 of 150	27.824658 ± 0.027754	0.9771	EXP 150 of 150	343.15439 ± 0.04837	0.9994	EXP 150 of 150
13D08296	21.2 %	1.0288151 ± 0.0023295	0.9028	EXP 150 of 150	6.1201348 ± 0.0298320	0.6146	EXP 150 of 150	1.3474166 ± 0.0274272	0.1013	EXP 150 of 150	22.662951 ± 0.028487	0.9645	EXP 150 of 150	299.46590 ± 0.04616	0.9992	EXP 150 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
13D08244	1.8 %	Dan Miggins	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D08243	01
13D08246	2.0 %	Dan Miggins	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D08243	01
13D08247	2.2 %	Dan Miggins	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D08243	01
13D08248	2.4 %	Dan Miggins	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D08243	01
13D08250	2.7 %	Dan Miggins	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D08243	01
13D08251	3.0 %	Dan Miggins	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D08243	01
13D08252	3.3 %	Dan Miggins	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D08243	01
13D08254	3.6 %	Dan Miggins	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D08243	01
13D08255	3.7 %	Dan Miggins	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D08243	01
13D08256	3.9 %	Dan Miggins	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D08243	01
13D08258	4.2 %	Dan Miggins	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D08243	01
13D08259	4.5 %	Dan Miggins	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D08243	01
13D08260	4.7 %	Dan Miggins	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D08243	01
13D08262	4.8 %	Dan Miggins	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D08243	01
13D08263	5.1 %	Dan Miggins	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D08243	01
13D08264	5.4 %	Dan Miggins	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D08243	01
13D08266	5.7 %	Dan Miggins	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D08243	01
13D08267	5.9 %	Dan Miggins	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D08243	01
13D08268	6.1 %	Dan Miggins	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D08243	01
13D08270	6.5 %	Dan Miggins	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D08243	01
13D08271	6.9 %	Dan Miggins	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D08243	01
13D08272	7.1 %	Dan Miggins	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D08243	01
13D08274	7.3 %	Dan Miggins	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D08243	01
13D08275	7.8 %	Dan Miggins	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D08243	01
13D08276	8.1 %	Dan Miggins	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D08243	01
13D08278	8.3 %	Dan Miggins	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D08243	01
13D08279	8.8 %	Dan Miggins	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D08243	01
13D08280	9.3 %	Dan Miggins	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D08243	01
13D08282	9.9 %	Dan Miggins	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D08243	01
13D08283	10.5 %	Dan Miggins	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D08243	01
13D08284	11.2 %	Dan Miggins	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D08243	01
13D08286	11.9 %	Dan Miggins	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D08243	01
13D08287	12.8 %	Dan Miggins	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D08243	01
13D08288	13.9 %	Dan Miggins	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D08243	01
13D08290	15.2 %	Dan Miggins	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D08243	01
13D08291	16.7 %	Dan Miggins	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D08243	01
13D08292	18.2 %	Dan Miggins	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D08243	01
13D08294	19.7 %	Dan Miggins	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D08243	01
13D08296	21.2 %	Dan Miggins	13-OSU-05	0.00	0.00	40.00	Galapagos\Balbas (13-19)	13D08243	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	
13D08244	1.8 %	44C-Argon-2	Groundmass	Florea Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.728	0.091	0.99402323	0.062	1	4.8E-14	29	DEC	2013	14	20	1
13D08246	2.0 %	44C-Argon-2	Groundmass	Florea Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.728	0.091	0.99402323	0.062	1	4.8E-14	29	DEC	2013	14	45	1
13D08247	2.2 %	44C-Argon-2	Groundmass	Florea Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.728	0.091	0.99402323	0.062	1	4.8E-14	29	DEC	2013	14	58	1
13D08248	2.4 %	44C-Argon-2	Groundmass	Florea Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.728	0.091	0.99402323	0.062	1	4.8E-14	29	DEC	2013	15	10	1
13D08250	2.7 %	44C-Argon-2	Groundmass	Florea Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.728	0.091	0.99402323	0.062	1	4.8E-14	29	DEC	2013	15	35	1
13D08251	3.0 %	44C-Argon-2	Groundmass	Florea Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.728	0.091	0.99402323	0.062	1	4.8E-14	29	DEC	2013	15	47	1
13D08252	3.3 %	44C-Argon-2	Groundmass	Florea Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.728	0.091	0.99402323	0.062	1	4.8E-14	29	DEC	2013	16	0	1
13D08254	3.6 %	44C-Argon-2	Groundmass	Florea Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.728	0.091	0.99402323	0.062	1	4.8E-14	29	DEC	2013	16	25	1
13D08255	3.7 %	44C-Argon-2	Groundmass	Florea Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.728	0.091	0.99402323	0.062	1	4.8E-14	29	DEC	2013	16	37	1
13D08256	3.9 %	44C-Argon-2	Groundmass	Florea Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.728	0.091	0.99402323	0.062	1	4.8E-14	29	DEC	2013	16	50	1
13D08258	4.2 %	44C-Argon-2	Groundmass	Florea Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.728	0.091	0.99402323	0.062	1	4.8E-14	29	DEC	2013	17	14	1
13D08259	4.5 %	44C-Argon-2	Groundmass	Florea Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.728	0.091	0.99402323	0.062	1	4.8E-14	29	DEC	2013	17	27	1
13D08260	4.7 %	44C-Argon-2	Groundmass	Florea Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.728	0.091	0.99402323	0.062	1	4.8E-14	29	DEC	2013	17	39	1
13D08262	4.8 %	44C-Argon-2	Groundmass	Florea Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.728	0.091	0.99402323	0.062	1	4.8E-14	29	DEC	2013	18	4	1
13D08263	5.1 %	44C-Argon-2	Groundmass	Florea Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.728	0.091	0.99402323	0.062	1	4.8E-14	29	DEC	2013	18	17	1
13D08264	5.4 %	44C-Argon-2	Groundmass	Florea Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.728	0.091	0.99402323	0.062	1	4.8E-14	29	DEC	2013	18	29	1
13D08266	5.7 %	44C-Argon-2	Groundmass	Florea Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.728	0.091	0.99402323	0.062	1	4.8E-14	29	DEC	2013	18	54	1
13D08267	5.9 %	44C-Argon-2	Groundmass	Florea Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.728	0.091	0.99402323	0.062	1	4.8E-14	29	DEC	2013	19	6	1
13D08268	6.1 %	44C-Argon-2	Groundmass	Florea Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.728	0.091	0.99402323	0.062	1	4.8E-14	29	DEC	2013	19	19	1
13D08270	6.5 %	44C-Argon-2	Groundmass	Florea Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.728	0.091	0.99402323	0.062	1	4.8E-14	29	DEC	2013	19	44	1
13D08271	6.9 %	44C-Argon-2	Groundmass	Florea Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.728	0.091	0.99402323	0.062	1	4.8E-14	29	DEC	2013	19	56	1
13D08272	7.1 %	44C-Argon-2	Groundmass	Florea Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.728	0.091	0.99402323	0.062	1	4.8E-14	29	DEC	2013	20	9	1
13D08274	7.3 %	44C-Argon-2	Groundmass	Florea Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.728	0.091	0.99402323	0.062	1	4.8E-14	29	DEC	2013	20	33	1
13D08275	7.8 %	44C-Argon-2	Groundmass	Florea Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.728	0.091	0.99402323	0.062	1	4.8E-14	29	DEC	2013	20	46	1
13D08276	8.1 %	44C-Argon-2	Groundmass	Florea Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.728	0.091	0.99402323	0.062	1	4.8E-14	29	DEC	2013	20	58	1
13D08278	8.3 %	44C-Argon-2	Groundmass	Florea Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.728	0.091	0.99402323	0.062	1	4.8E-14	29	DEC	2013	21	23	1
13D08279	8.8 %	44C-Argon-2	Groundmass	Florea Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.728	0.091	0.99402323	0.062	1	4.8E-14	29	DEC	2013	21	36	1
13D08280	9.3 %	44C-Argon-2	Groundmass	Florea Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.728	0.091	0.99402323	0.062	1	4.8E-14	29	DEC	2013	21	48	1
13D08282	9.9 %	44C-Argon-2	Groundmass	Florea Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.728	0.091	0.99402323	0.062	1	4.8E-14	29	DEC	2013	22	13	1
13D08283	10.5 %	44C-Argon-2	Groundmass	Florea Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.728	0.091	0.99402323	0.062	1	4.8E-14	29	DEC	2013	22	25	1
13D08284	11.2 %	44C-Argon-2	Groundmass	Florea Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.728	0.091	0.99402323	0.062	1	4.8E-14	29	DEC	2013	22	38	1
13D08286	11.9 %	44C-Argon-2	Groundmass	Florea Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.728	0.091	0.99402323	0.062	1	4.8E-14	29	DEC	2013	23	3	1
13D08287	12.8 %	44C-Argon-2	Groundmass	Florea Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.728	0.091	0.99402323	0.062	1	4.8E-14	29	DEC	2013	23	15	1
13D08288	13.9 %	44C-Argon-2	Groundmass	Florea Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.728	0.091	0.99402323	0.062	1	4.8E-14	29	DEC	2013	23	27	1
13D08290	15.2 %	44C-Argon-2	Groundmass	Florea Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.728	0.091	0.99402323	0.062	1	4.8E-14	29	DEC	2013	23	52	1
13D08291	16.7 %	44C-Argon-2	Groundmass	Florea Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.728	0.091	0.99402323	0.062	1	4.8E-14	30	DEC	2013	0	5	1
13D08292	18.2 %	44C-Argon-2	Groundmass	Florea Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.728	0.091	0.99402323	0.062	1	4.8E-14	30	DEC	2013	0	17	1
13D08294	19.7 %	44C-Argon-2	Groundmass	Florea Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.728	0.091	0.99402323	0.062	1	4.8E-14	30	DEC	2013	0	42	1
13D08296	21.2 %	44C-Argon-2	Groundmass	Florea Island	FCT-3	28.201	0.082	Kuiper et al (2008)	9.41816	0.172	0.00166884	0.172	302.728	0.091	0.99402323	0.062	1	4.8E-14	30	DEC	2013	1	7	1

13D08243.AGE >>> 44C-ARGON-2 >>> GALAPAGOS | BALBAS (13-19) PROJECT



Ar-Ages in ka

- WEIGHTED PLATEAU**
959.7 ± 11.5
- TOTAL FUSION**
1107.6 ± 32.0
- NORMAL ISOCHRON**
957.3 ± 41.5
- INVERSE ISOCHRON**
957.9 ± 41.3

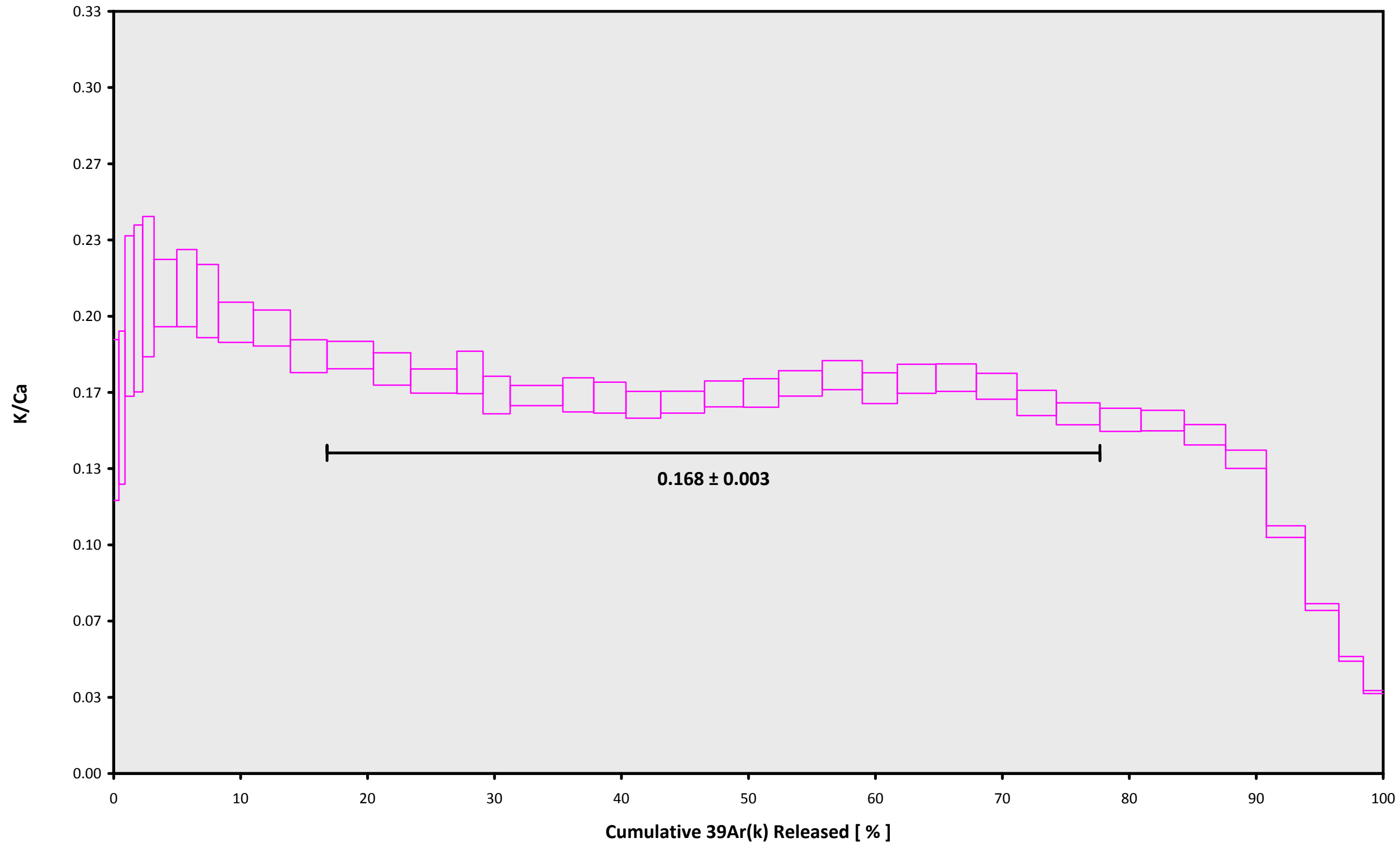
MSWD (PROBABILITY)
0.89 (60%)

Sample Info

Groundmass
Floreana Island
Dan Miggins

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

13D08243.AGE >>> 44C-ARGON-2 >>> GALAPAGOS | BALBAS (13-19) PROJECT



Ar-Ages in ka

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959.7 ± 11.5

TOTAL FUSION

1107.6 ± 32.0

NORMAL ISOCHRON

957.3 ± 41.5

INVERSE ISOCHRON

957.9 ± 41.3

Sample Info

Groundmass

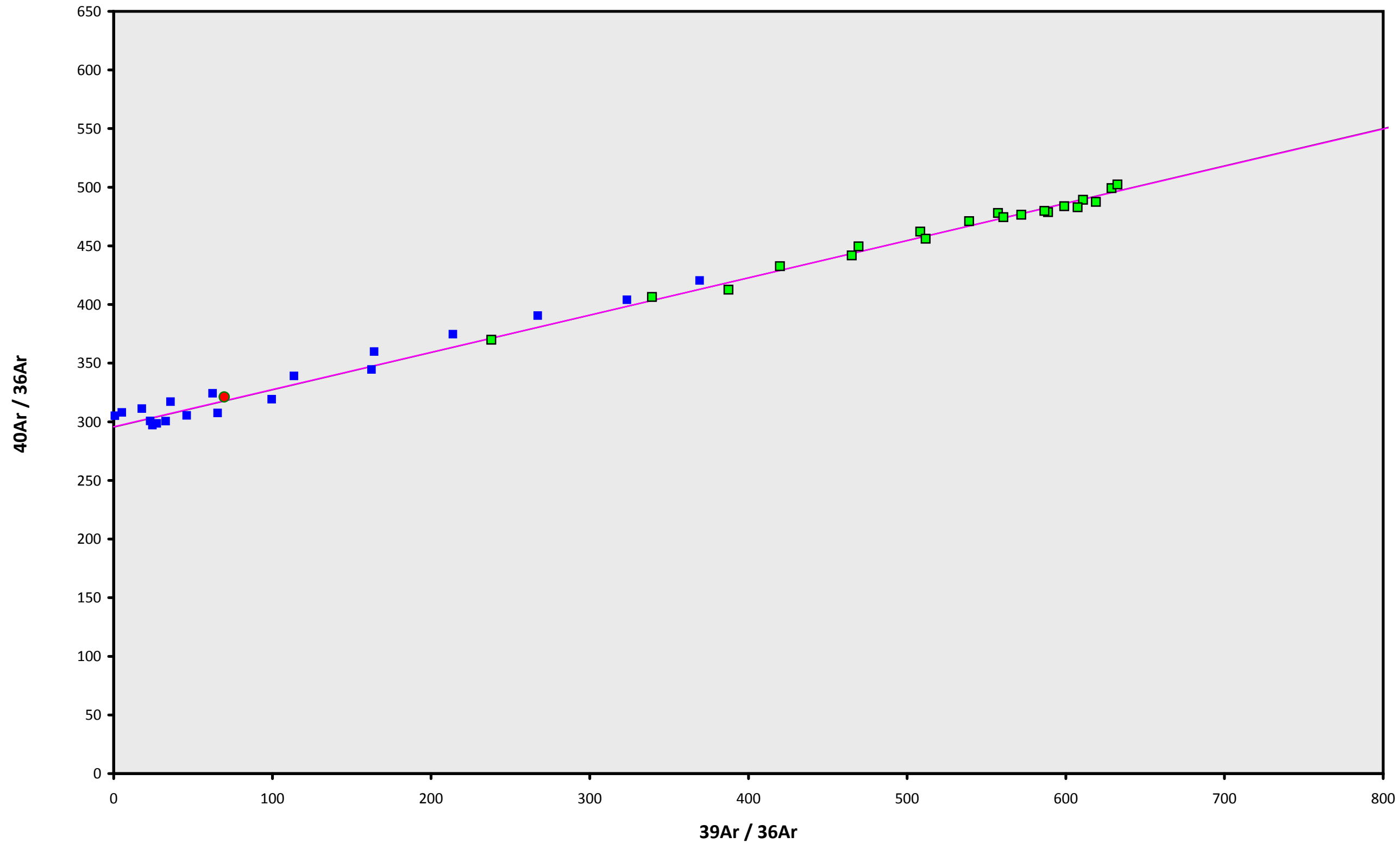
Floreana Island

Dan Miggins

IRR = 13-OSU-05

$J = 0.00166884 \pm 0.00000287$

13D08243.AGE >>> 44C-ARGON-2 >>> GALAPAGOS | BALBAS (13-19) PROJECT



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959.7 ± 11.5

TOTAL FUSION

1107.6 ± 32.0

NORMAL ISOCHRON

957.3 ± 41.5

INVERSE ISOCHRON

957.9 ± 41.3

MSWD (PROBABILITY)

0.94 (53%)

40AR/36AR INTERCEPT

295.8 ± 6.6

Sample Info

Groundmass

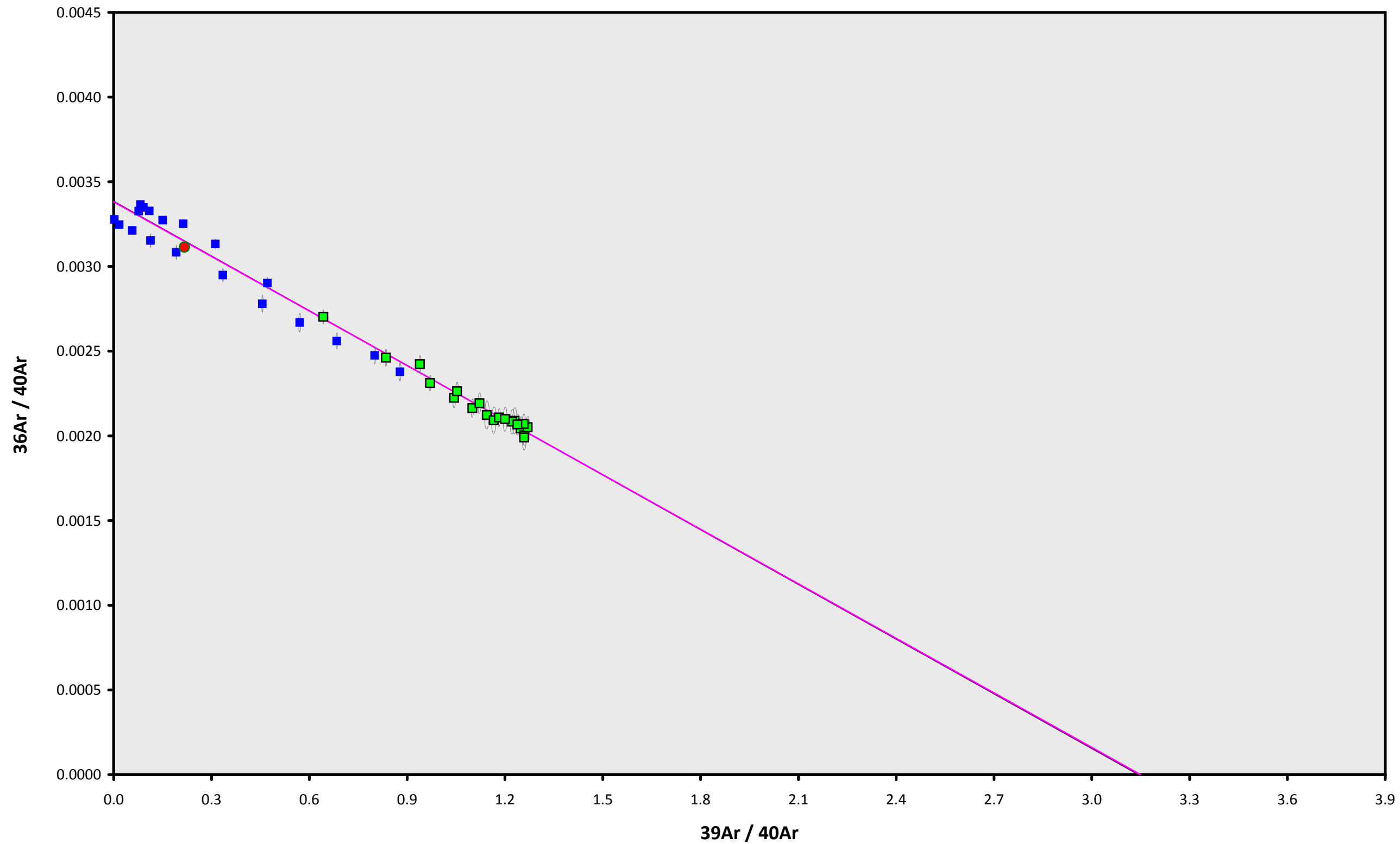
Floreana Island

Dan Miggins

IRR = 13-OSU-05

$J = 0.00166884 \pm 0.00000287$

13D08243.AGE >>> 44C-ARGON-2 >>> GALAPAGOS | BALBAS (13-19) PROJECT



Ar-Ages in ka

WEIGHTED PLATEAU

959.7 ± 11.5

TOTAL FUSION

1107.6 ± 32.0

NORMAL ISOCHRON

957.3 ± 41.5

INVERSE ISOCHRON

957.9 ± 41.3

MSWD (PROBABILITY)

0.94 (53%)

SPREADING FACTOR

19.9%

40AR/36AR INTERCEPT

295.8 ± 6.7

Sample Info

Groundmass

Floreana Island

Dan Miggins

IRR = 13-OSU-05

J = $0.00166884 \pm 0.00000287$