

Relative Abundances		36Ar [fA]	%1σ	37Ar [fA]	%1σ	38Ar [fA]	%1σ	39Ar [fA]	%1σ	40Ar [fA]	%1σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	40Ar(r) (%)	39Ar(k) (%)	K/Ca ± 2σ
20F28695	0.5 %	0.259561	0.524	0.05688	23.213	0.046676	21.729	0.41205	2.667	76.8147	0.391	1.63943 ± 2.48323	4.99 ± 7.58	0.88	0.07	3.11 ± 1.46
20F28697	0.7 %	0.626290	0.302	0.23745	5.364	0.127529	7.998	1.11185	0.920	188.1208	0.160	1.03808 ± 1.20449	3.16 ± 3.66	0.61	0.19	2.01 ± 0.22
20F28698	0.9 %	0.309464	0.467	0.07918	15.767	0.064438	15.784	0.81514	1.242	91.2841	0.329	1.35406 ± 1.31156	4.12 ± 4.00	1.21	0.14	4.43 ± 1.40
20F28700	1.1 %	0.292305	0.494	0.24168	5.729	0.071278	14.578	1.00396	1.065	88.3530	0.340	1.09722 ± 1.06240	3.34 ± 3.23	1.25	0.17	1.79 ± 0.21
20F28701	1.3 %	0.794469	0.278	0.24548	5.542	0.173726	5.908	2.01712	0.522	237.2840	0.127	0.05253 ± 0.75928	0.16 ± 2.31	0.04	0.34	3.53 ± 0.39
20F28703	1.5 %	1.531880	0.219	0.51106	2.518	0.354464	2.986	4.07517	0.258	457.6172	0.066	0.07315 ± 0.56352	0.22 ± 1.71	0.07	0.69	3.43 ± 0.17
20F28704	1.8 %	1.168428	0.227	1.57749	0.834	0.306809	3.352	6.60607	0.170	354.3218	0.085	0.84771 ± 0.27913	2.58 ± 0.85	1.58	1.12	1.80 ± 0.03
20F28705	2.2 %	1.117090	0.224	2.05132	0.647	0.305969	3.562	8.13074	0.132	339.5939	0.089	0.76709 ± 0.21565	2.33 ± 0.66	1.84	1.37	1.70 ± 0.02
20F28707	2.6 %	1.273683	0.217	2.76044	0.500	0.358387	2.943	10.58397	0.114	390.6423	0.077	1.00054 ± 0.18195	3.04 ± 0.55	2.71	1.79	1.65 ± 0.02
20F28708	3.1 %	0.600639	0.311	1.82907	0.715	0.256287	4.132	11.57640	0.103	192.0317	0.157	1.10974 ± 0.11405	3.37 ± 0.35	6.69	1.96	2.72 ± 0.04
20F28709	3.6 %	1.368841	0.209	2.75477	0.530	0.464481	2.294	17.59573	0.075	427.5488	0.071	1.08443 ± 0.11378	3.30 ± 0.35	4.46	2.97	2.75 ± 0.03
20F28711	4.1 %	0.571368	0.321	3.04424	0.462	0.313740	3.151	17.54376	0.077	194.8300	0.154	1.39538 ± 0.07407	4.24 ± 0.22	12.56	2.96	2.48 ± 0.02
20F28712	4.7 %	0.474029	0.343	6.44905	0.255	0.293506	3.534	17.25156	0.076	165.4123	0.182	1.41448 ± 0.06835	4.30 ± 0.21	14.75	2.91	1.15 ± 0.01
20F28713	5.3 %	0.665317	0.294	4.24423	0.363	0.382046	2.718	22.82396	0.064	230.3766	0.131	1.40519 ± 0.06044	4.27 ± 0.18	13.92	3.86	2.31 ± 0.02
20F28715	6.0 %	0.540734	0.331	5.19737	0.325	0.403815	2.708	25.72389	0.061	200.5941	0.150	1.53793 ± 0.04946	4.67 ± 0.15	19.72	4.35	2.13 ± 0.01
20F28716	6.8 %	0.352638	0.416	5.28978	0.317	0.355639	3.046	24.94240	0.059	144.8939	0.207	1.60480 ± 0.04353	4.88 ± 0.13	27.62	4.21	2.03 ± 0.01
20F28717	7.5 %	0.324822	0.450	5.43251	0.306	0.372699	2.661	25.83906	0.057	139.0287	0.216	1.64396 ± 0.04179	4.99 ± 0.13	30.55	4.37	2.04 ± 0.01
20F28719	8.3 %	✓0.342969	0.438	11.99443	0.181	0.413828	2.624	29.19597	0.058	152.3402	0.197	1.74363 ± 0.03775	5.30 ± 0.11	33.41	4.93	1.05 ± 0.00
20F28720	9.1 %	✓0.252513	0.546	5.98154	0.279	0.378791	2.787	28.28140	0.058	123.5534	0.243	1.71970 ± 0.03652	5.22 ± 0.11	39.36	4.78	2.03 ± 0.01
20F28721	10.1 %	✓0.317224	0.470	12.04565	0.183	0.456429	2.227	32.91437	0.053	151.6157	0.198	1.75823 ± 0.03324	5.34 ± 0.10	38.16	5.56	1.17 ± 0.00
20F28723	11.2 %	✓0.293737	0.482	13.22071	0.182	0.490456	2.221	35.78258	0.052	151.2776	0.198	1.80646 ± 0.02948	5.49 ± 0.09	42.72	6.05	1.16 ± 0.00
20F28724	12.4 %	✓0.274494	0.501	14.56067	0.175	0.479869	2.213	36.01884	0.052	145.8881	0.206	1.80754 ± 0.02872	5.49 ± 0.09	44.62	6.09	1.06 ± 0.00
20F28725	13.6 %	✓0.298208	0.467	7.64842	0.244	0.481858	2.162	35.09405	0.053	151.7431	0.199	1.80415 ± 0.02982	5.48 ± 0.09	41.72	5.93	1.97 ± 0.01
20F28727	14.9 %	✓0.314847	0.469	6.77072	0.260	0.484460	2.052	34.24592	0.051	153.0917	0.196	1.74106 ± 0.03174	5.29 ± 0.10	38.94	5.79	2.17 ± 0.01
20F28728	16.2 %	✓0.278116	0.493	6.30629	0.292	0.467206	2.176	33.83154	0.053	141.9774	0.212	1.75690 ± 0.03052	5.34 ± 0.09	41.86	5.72	2.31 ± 0.01
20F28729	17.6 %	✓0.298348	0.468	6.15160	0.269	0.480599	2.143	34.32658	0.052	148.3088	0.203	1.73966 ± 0.03050	5.28 ± 0.09	40.26	5.80	2.40 ± 0.01
20F28731	19.0 %	✓0.300416	0.464	6.14372	0.277	0.451854	2.304	32.93872	0.054	146.1630	0.206	1.72907 ± 0.03172	5.25 ± 0.10	38.96	5.57	2.31 ± 0.01
20F28732	20.5 %	✓0.308995	0.466	12.67777	0.186	0.451484	2.311	33.20438	0.053	150.6979	0.199	1.79078 ± 0.03218	5.44 ± 0.10	39.45	5.61	1.13 ± 0.00
20F28734	21.8 %	✓0.261555	0.516	5.46713	0.300	0.380215	2.754	27.89437	0.058	127.7497	0.235	1.79572 ± 0.03658	5.45 ± 0.11	39.20	4.71	2.19 ± 0.01
Σ		15.812980	0.063	150.97069	0.061	10.068541	0.558	591.78154	0.013	5663.1545	0.029					

Information on Analysis and Constants Used in Calculations	
Project = MCCLAUGHRY (19-20) Sample = 34 DRBLJ 19 Material = Groundmass Location = Badger Lake Region = Eastern Cascades Analyst = Dan Miggins Irradiation = 20-OSU-04 (4B8-20) Position = X: 0   Y: 0   Z/H: 9.482945 mm FCT-NM Age = 28.201 ± 0.023 Ma FCT-NM Reference = Kuiper et al (2008) FCT-NM 40Ar/39Ar Ratio = 9.34147 ± 0.00448 FCT-NM J-value = 0.00166200 ± 0.00000080 Air Shot 40Ar/36Ar = 298.8060 ± 0.3466 Air Shot MDF = 0.99979391 ± 0.00038967 (LIN) Experiment Type = Incremental Heating Extraction Method = Bulk Laser Heating Heating = 64 sec Isolation = 6.12 min Instrument = ARGUS-VI-F Preferred Age = Plateau Age Age Classification = Crystallization Age IGSN = Undefined Rock Class = Undefined Lithology = Undefined Lat-Lon = Undefined - Undefined	Age Equations = Min et al. (2000) Negative Intensities = Allowed Collector Calibrations = 36Ar Decay 40K = 5.463 ± 0.107 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 <sup>+</sup> ) = 0.580 ± 0.014 E-10 1/a Decay 40K(β <sup>-</sup> ) = 4.884 ± 0.099 E-10 1/a Atmospheric 40/36(a) = 298.56 ± 0.31 Atmospheric 38/36(a) = 0.1885 ± 0.0003 Production 39/37(ca) = 0.0006425 ± 0.0000059 Production 38/37(ca) = 0.0001800 ± 0.0000173 Production 36/37(ca) = 0.0002703 ± 0.0000005 Production 40/39(k) = 0.000607 ± 0.000059 Production 38/39(k) = 0.012077 ± 0.000011 Production 36/38(cl) = 262.80 ± 1.71 Scaling Ratio K/Ca = 0.430 Abundance Ratio 40K/K = 1.1700 ± 0.0100 E-04 Atomic Weight K = 39.0983 ± 0.0001 g

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (%,n)	K/Ca ± 2σ
Age Plateau Error Mean		1.76848 ± 0.01900 ± 1.07%	5.37 ± 0.06 ± 1.08%	4.22 0%	66.53 12	1.26 ± 0.23
			Full External Error ± 0.29 Analytical Error ± 0.06	1.85 2.0550	2σ Confidence Limit Error Magnification	
Total Fusion Age		1.61210 ± 0.01207 ± 0.75%	4.90 ± 0.04 ± 0.75%		29	1.69 ± 0.00
			Full External Error ± 0.26 Analytical Error ± 0.04			
Normal Isochron Error Chron	285.28 ± 19.49 ± 6.83%	1.88529 ± 0.17332 ± 9.19%	5.73 ± 0.53 ± 9.18%	4.07 0%	66.53 12	
			Full External Error ± 0.60 Analytical Error ± 0.53	1.89 2.0181	2σ Confidence Limit Error Magnification Number of Iterations Convergence	
				0.0000110566		
Inverse Isochron Error Chron	285.15 ± 19.38 ± 6.80%	1.88730 ± 0.16876 ± 8.94%	5.73 ± 0.51 ± 8.93%	4.05 0%	66.53 12	
			Full External Error ± 0.59 Analytical Error ± 0.51	1.89 2.0135	2σ Confidence Limit Error Magnification Number of Iterations Convergence Spreading Factor	
				0.0005165396 10%		

Incremental Heating		36Ar(a) [fA]	37Ar(ca) [fA]	38Ar(cl) [fA]	39Ar(k) [fA]	40Ar(r) [fA]	Age ± 2σ (Ma)	40Ar(r) (%)	39Ar(k) (%)	K/Ca ± 2σ
20F28695	0.5 %	0.259546	0.05688	0.0000000	0.41201	0.67546	4.99 ± 7.58	0.88	0.07	3.11 ± 1.46
20F28697	0.7 %	0.626226	0.23745	0.0000000	1.11170	1.15403	3.16 ± 3.66	0.61	0.19	2.01 ± 0.22
20F28698	0.9 %	0.309443	0.07918	0.0000000	0.81509	1.10368	4.12 ± 4.00	1.21	0.14	4.43 ± 1.40
20F28700	1.1 %	0.292240	0.24168	0.0040242	1.00380	1.10139	3.34 ± 3.23	1.25	0.17	1.79 ± 0.21
20F28701	1.3 %	0.794402	0.24548	0.0000000	2.01696	0.10594	0.16 ± 2.31	0.04	0.34	3.53 ± 0.39
20F28703	1.5 %	1.531741	0.51106	0.0164274	4.07484	0.29807	0.22 ± 1.71	0.07	0.69	3.43 ± 0.17
20F28704	1.8 %	1.168002	1.57749	0.0065878	6.60505	5.59918	2.58 ± 0.85	1.58	1.12	1.80 ± 0.03
20F28705	2.2 %	1.116536	2.05132	0.0000000	8.12942	6.23601	2.33 ± 0.66	1.84	1.37	1.70 ± 0.02
20F28707	2.6 %	1.272937	2.76044	0.0000000	10.58220	10.58792	3.04 ± 0.55	2.71	1.79	1.65 ± 0.02
20F28708	3.1 %	0.600144	1.82907	0.0030363	11.57522	12.84554	3.37 ± 0.35	6.69	1.96	2.72 ± 0.04
20F28709	3.6 %	1.368096	2.75477	0.0000000	17.59396	19.07942	3.30 ± 0.35	4.46	2.97	2.75 ± 0.03
20F28711	4.1 %	0.570545	3.04424	0.0000000	17.54181	24.47754	4.24 ± 0.22	12.56	2.96	2.48 ± 0.02
20F28712	4.7 %	0.472286	6.44905	0.0000000	17.24742	24.39605	4.30 ± 0.21	14.75	2.91	1.15 ± 0.01
20F28713	5.3 %	0.664170	4.24423	0.0000000	22.82124	32.06821	4.27 ± 0.18	13.92	3.86	2.31 ± 0.02
20F28715	6.0 %	0.539329	5.19737	0.0000000	25.72055	39.55631	4.67 ± 0.15	19.72	4.35	2.13 ± 0.01
20F28716	6.8 %	0.351208	5.28978	0.0000000	24.93900	40.02198	4.88 ± 0.13	27.62	4.21	2.03 ± 0.01
20F28717	7.5 %	0.323353	5.43251	0.0000000	25.83557	42.47267	4.99 ± 0.13	30.55	4.37	2.04 ± 0.01
20F28719	8.3 %	✓ 0.339727	11.99443	0.0000000	29.18827	50.89368	5.30 ± 0.11	33.41	4.93	1.05 ± 0.00
20F28720	9.1 %	✓ 0.250896	5.98154	0.0000000	28.27756	48.62878	5.22 ± 0.11	39.36	4.78	2.03 ± 0.01
20F28721	10.1 %	✓ 0.313968	12.04565	0.0000000	32.90663	57.85739	5.34 ± 0.10	38.16	5.56	1.17 ± 0.00
20F28723	11.2 %	✓ 0.290164	13.22071	0.0013373	35.77408	64.62454	5.49 ± 0.09	42.72	6.05	1.16 ± 0.00
20F28724	12.4 %	✓ 0.270558	14.56067	0.0000000	36.00949	65.08842	5.49 ± 0.09	44.62	6.09	1.06 ± 0.00
20F28725	13.6 %	✓ 0.296140	7.64842	0.0008873	35.08914	63.30611	5.48 ± 0.09	41.72	5.93	1.97 ± 0.01
20F28727	14.9 %	✓ 0.313016	6.77072	0.0107020	34.24157	59.61669	5.29 ± 0.10	38.94	5.79	2.17 ± 0.01
20F28728	16.2 %	✓ 0.276411	6.30629	0.0054330	33.82748	59.43164	5.34 ± 0.09	41.86	5.72	2.31 ± 0.01
20F28729	17.6 %	✓ 0.296685	6.15160	0.0090522	34.32263	59.70978	5.28 ± 0.09	40.26	5.80	2.40 ± 0.01
20F28731	19.0 %	✓ 0.298755	6.14372	0.0000000	32.93477	56.94666	5.25 ± 0.10	38.96	5.57	2.31 ± 0.01
20F28732	20.5 %	✓ 0.305568	12.67777	0.0000000	33.19624	59.44726	5.44 ± 0.10	39.45	5.61	1.13 ± 0.00
20F28734	21.8 %	✓ 0.260078	5.46713	0.0000000	27.89086	50.08404	5.45 ± 0.11	39.20	4.71	2.19 ± 0.01
Σ		15.772170	150.97069	0.0574876	591.68454	953.85611				

Information on Analysis	Results	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (%,n)	K/Ca ± 2σ
Project = MCCLAUGHRY (19-20) Sample = 34 DRBLJ 19 Material = Groundmass Location = Badger Lake Region = Eastern Cascades Analyst = Dan Miggins Irradiation = 20-OSU-04 (4B8-20) J = 0.00166200 ± 0.00000080 FCT-NM = 28.201 ± 0.023 Ma	Age Plateau Error Mean	1.76848 ± 0.01900 ± 1.07%	5.37 ± 0.06 ± 1.08%	4.22 0%	66.53 12	1.26 ± 0.23
			Full External Error ± 0.29 Analytical Error ± 0.06	1.85 2.0550	2σ Confidence Limit Error Magnification	
	Total Fusion Age	1.61210 ± 0.01207 ± 0.75%	4.90 ± 0.04 ± 0.75%		29	1.69 ± 0.00
			Full External Error ± 0.26 Analytical Error ± 0.04			

Normal Isochron		39(k)/36(a) ± 2σ		40(a+r)/36(a) ± 2σ	r.i.
20F28695	0.5 %		1.59 ± 0.09	295.96 ± 3.87	0.1544
20F28697	0.7 %		1.78 ± 0.03	300.40 ± 2.06	0.2762
20F28698	0.9 %		2.63 ± 0.07	294.99 ± 3.37	0.2875
20F28700	1.1 %		3.43 ± 0.08	302.33 ± 3.63	0.3466
20F28701	1.3 %		2.54 ± 0.03	298.69 ± 1.83	0.4275
20F28703	1.5 %		2.66 ± 0.02	298.75 ± 1.37	0.6190
20F28704	1.8 %		5.66 ± 0.03	303.35 ± 1.47	0.7503
20F28705	2.2 %		7.28 ± 0.04	304.15 ± 1.47	0.8007
20F28707	2.6 %		8.31 ± 0.04	306.88 ± 1.41	0.8345
20F28708	3.1 %		19.29 ± 0.13	319.96 ± 2.23	0.8481
20F28709	3.6 %		12.86 ± 0.06	312.51 ± 1.38	0.8915
20F28711	4.1 %		30.75 ± 0.20	341.46 ± 2.44	0.8766
20F28712	4.7 %		36.52 ± 0.26	350.22 ± 2.72	0.8637
20F28713	5.3 %		34.36 ± 0.21	346.84 ± 2.24	0.8935
20F28715	6.0 %		47.69 ± 0.32	371.90 ± 2.71	0.8965
20F28716	6.8 %		71.01 ± 0.60	412.52 ± 3.85	0.8868
20F28717	7.5 %		79.90 ± 0.73	429.91 ± 4.31	0.8951
20F28719	8.3 %	✓	85.92 ± 0.77	448.37 ± 4.34	0.9056
20F28720	9.1 %	✓	112.71 ± 1.25	492.38 ± 5.92	0.9094
20F28721	10.1 %	✓	104.81 ± 1.00	482.84 ± 4.97	0.9172
20F28723	11.2 %	✓	123.29 ± 1.21	521.28 ± 5.49	0.9211
20F28724	12.4 %	✓	133.09 ± 1.36	539.13 ± 5.92	0.9220
20F28725	13.6 %	✓	118.49 ± 1.12	512.33 ± 5.23	0.9153
20F28727	14.9 %	✓	109.39 ± 1.04	489.02 ± 5.00	0.9180
20F28728	16.2 %	✓	122.38 ± 1.22	513.57 ± 5.54	0.9147
20F28729	17.6 %	✓	115.69 ± 1.10	499.82 ± 5.13	0.9130
20F28731	19.0 %	✓	110.24 ± 1.03	489.17 ± 4.99	0.9088
20F28732	20.5 %	✓	108.64 ± 1.03	493.11 ± 5.05	0.9151
20F28734	21.8 %	✓	107.24 ± 1.12	491.13 ± 5.60	0.9054

Results	40(a)/36(a) ± 2σ		40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron Error Chron	285.28 ± 19.49 ± 6.83%		1.88529 ± 0.17332 ± 9.19%	5.73 ± 0.53 ± 9.18% Full External Error ± 0.60 Analytical Error ± 0.53	4.07 0%
Statistics	2σ Confidence Limit Error Magnification Number of Data Points	1.89 2.0181 12	Convergence Number of Iterations Calculated Line	0.000011056585 10 Weighted York-2	

Inverse Isochron		39(k)/40(a+r) ± 2σ		36(a)/40(a+r) ± 2σ	r.i.
20F28695	0.5 %		0.0053637 ± 0.0002892	0.00337886 ± 0.00004416	0.0868
20F28697	0.7 %		0.0059095 ± 0.0001104	0.00332886 ± 0.00002278	0.0800
20F28698	0.9 %		0.0089292 ± 0.0002295	0.00338991 ± 0.00003873	0.1475
20F28700	1.1 %		0.0113614 ± 0.0002540	0.00330766 ± 0.00003967	0.1725
20F28701	1.3 %		0.0085002 ± 0.0000914	0.00334792 ± 0.00002046	0.0980
20F28703	1.5 %		0.0089045 ± 0.0000475	0.00334723 ± 0.00001530	0.0712
20F28704	1.8 %		0.0186416 ± 0.0000708	0.00329648 ± 0.00001599	0.1569
20F28705	2.2 %		0.0239390 ± 0.0000762	0.00328790 ± 0.00001584	0.2046
20F28707	2.6 %		0.0270897 ± 0.0000744	0.00325863 ± 0.00001500	0.1885
20F28708	3.1 %		0.0602799 ± 0.0002257	0.00312535 ± 0.00002176	0.3758
20F28709	3.6 %		0.0411518 ± 0.0000849	0.00319994 ± 0.00001413	0.2187
20F28711	4.1 %		0.0900414 ± 0.0003107	0.00292858 ± 0.00002089	0.3871
20F28712	4.7 %		0.1042758 ± 0.0004104	0.00285539 ± 0.00002222	0.4310
20F28713	5.3 %		0.0990665 ± 0.0002882	0.00288315 ± 0.00001860	0.3638
20F28715	6.0 %		0.1282318 ± 0.0004148	0.00268887 ± 0.00001958	0.3811
20F28716	6.8 %		0.1721371 ± 0.0007425	0.00242415 ± 0.00002261	0.4274
20F28717	7.5 %		0.1858500 ± 0.0008308	0.00232606 ± 0.00002331	0.4174
20F28719	8.3 %	✓	0.1916215 ± 0.0007878	0.00223031 ± 0.00002160	0.3905
20F28720	9.1 %	✓	0.2289009 ± 0.0011445	0.00203095 ± 0.00002441	0.3939
20F28721	10.1 %	✓	0.2170684 ± 0.0008908	0.00207109 ± 0.00002133	0.3719
20F28723	11.2 %	✓	0.2365137 ± 0.0009709	0.00191836 ± 0.00002021	0.3642
20F28724	12.4 %	✓	0.2468665 ± 0.0010494	0.00185484 ± 0.00002036	0.3645
20F28725	13.6 %	✓	0.2312729 ± 0.0009522	0.00195186 ± 0.00001994	0.3765
20F28727	14.9 %	✓	0.2236974 ± 0.0009076	0.00204491 ± 0.00002091	0.3716
20F28728	16.2 %	✓	0.2382942 ± 0.0010394	0.00194715 ± 0.00002101	0.3807
20F28729	17.6 %	✓	0.2314593 ± 0.0009688	0.00200073 ± 0.00002052	0.3829
20F28731	19.0 %	✓	0.2253598 ± 0.0009589	0.00204427 ± 0.00002084	0.3903
20F28732	20.5 %	✓	0.2203128 ± 0.0009098	0.00202796 ± 0.00002076	0.3767
20F28734	21.8 %	✓	0.2183531 ± 0.0010574	0.00203611 ± 0.00002322	0.4005

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron Error Chron	285.15 ± 19.38 ± 6.80%	1.88730 ± 0.16876 ± 8.94%	5.73 ± 0.51 ± 8.93% Full External Error ± 0.59 Analytical Error ± 0.51	4.05 0%
Statistics	2σ Confidence Limit Error Magnification Number of Data Points Spreading Factor	1.89 2.0135 12 10.4%	Convergence Number of Iterations Calculated Line	0.0005165396 5 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
20F28695	0.5 %	0.259546	0.52	0.0000000	0.00	0.0000154	23.21	0.0000000	0.00	0.05688	23.21	0.0489243	0.55	0.0000000	0.00	0.0049759	2.67	0.0000102	25.13	0.0000000	0.00	0.41201	2.67	0.0000365	23.23	0.67546	75.69	77.4899	0.53	0.0000000	0.00	0.0002501	10.01
20F28697	0.7 %	0.626226	0.30	0.0000000	0.00	0.0000642	5.37	0.0000000	0.00	0.23745	5.36	0.1180436	0.34	0.0000000	0.00	0.0134260	0.92	0.0000427	11.02	0.0000000	0.00	1.11170	0.92	0.0001526	5.44	1.15403	58.01	186.9661	0.32	0.0000000	0.00	0.0006748	9.69
20F28698	0.9 %	0.309443	0.47	0.0000000	0.00	0.0000214	15.77	0.0000000	0.00	0.07918	15.77	0.0583300	0.49	0.0000000	0.00	0.0098439	1.25	0.0000143	18.48	0.0000000	0.00	0.81509	1.24	0.0000509	15.79	1.10368	48.41	92.3873	0.48	0.0000000	0.00	0.0004948	9.73
20F28700	1.1 %	0.292240	0.49	0.0000000	0.00	0.0000653	5.73	0.0000002	258.33	0.24168	5.73	0.0550872	0.52	0.0000000	0.00	0.0121229	1.07	0.0000435	11.21	0.0040242	258.33	1.00380	1.06	0.0001553	5.80	1.10139	48.40	87.2510	0.50	0.0000000	0.00	0.0006093	9.71
20F28701	1.3 %	0.794402	0.28	0.0000000	0.00	0.0000664	5.54	0.0000000	0.00	0.24548	5.54	0.1497449	0.32	0.0000000	0.00	0.0243588	0.53	0.0000442	11.11	0.0000000	0.00	2.01696	0.52	0.0001577	5.62	0.10594	722.77	237.1768	0.30	0.0000000	0.00	0.0012243	9.66
20F28703	1.5 %	1.531741	0.22	0.0000000	0.00	0.0001381	2.52	0.0000007	64.65	0.51106	2.52	0.2887332	0.27	0.0000000	0.00	0.0492118	0.27	0.0000920	9.95	0.0164274	64.65	4.07484	0.26	0.0003284	2.68	0.29807	385.19	457.3166	0.24	0.0000000	0.00	0.0024734	9.65
20F28704	1.8 %	1.168002	0.23	0.0000000	0.00	0.0004264	0.85	0.0000003	156.50	1.57749	0.83	0.2201683	0.28	0.0000000	0.00	0.0797692	0.19	0.0002839	9.67	0.0065878	156.50	6.60505	0.17	0.0010135	1.24	5.59918	16.46	348.7186	0.25	0.0000000	0.00	0.0040093	9.65
20F28705	2.2 %	1.116536	0.22	0.0000000	0.00	0.0005545	0.67	0.0000000	0.00	2.05132	0.65	0.2104670	0.27	0.0000000	0.00	0.0981790	0.16	0.0003692	9.65	0.0000000	0.00	8.12942	0.13	0.0013180	1.12	6.23601	14.06	333.3530	0.25	0.0000000	0.00	0.0049346	9.65
20F28707	2.6 %	1.272937	0.22	0.0000000	0.00	0.0007461	0.53	0.0000000	0.00	2.76044	0.50	0.2399485	0.27	0.0000000	0.00	0.1278012	0.14	0.0004969	9.64	0.0000000	0.00	10.58220	0.11	0.0017736	1.05	10.58792	9.09	380.0479	0.24	0.0000000	0.00	0.0064234	9.65
20F28708	3.1 %	0.600144	0.31	0.0000000	0.00	0.0004944	0.74	0.0000001	349.40	1.82907	0.72	0.1131272	0.35	0.0000000	0.00	0.1397940	0.14	0.0003292	9.66	0.0030363	349.40	11.57522	0.10	0.0011752	1.17	12.84554	5.14	179.1791	0.33	0.0000000	0.00	0.0070262	9.65
20F28709	3.6 %	1.368096	0.21	0.0000000	0.00	0.0007446	0.56	0.0000000	0.00	2.75477	0.53	0.2578861	0.26	0.0000000	0.00	0.2124823	0.12	0.0004959	9.64	0.0000000	0.00	17.59396	0.08	0.0017699	1.06	19.07942	5.25	408.4587	0.23	0.0000000	0.00	0.0106795	9.65
20F28711	4.1 %	0.570545	0.32	0.0000000	0.00	0.0008229	0.49	0.0000000	0.00	3.04424	0.46	0.1075477	0.36	0.0000000	0.00	0.2118524	0.12	0.0005480	9.64	0.0000000	0.00	17.54181	0.08	0.0019559	1.03	24.47754	2.65	170.3419	0.34	0.0000000	0.00	0.0106479	9.65
20F28712	4.7 %	0.472286	0.34	0.0000000	0.00	0.0017432	0.31	0.0000000	0.00	6.44905	0.26	0.0890260	0.38	0.0000000	0.00	0.2082970	0.12	0.0011608	9.63	0.0000000	0.00	17.24742	0.08	0.0041435	0.95	24.39605	2.41	141.0058	0.36	0.0000000	0.00	0.0104692	9.65
20F28713	5.3 %	0.664170	0.29	0.0000000	0.00	0.0011472	0.40	0.0000000	0.00	4.24423	0.36	0.1251960	0.34	0.0000000	0.00	0.2756121	0.11	0.0007640	9.64	0.0000000	0.00	22.82124	0.06	0.0027269	0.99	32.06821	2.15	198.2945	0.31	0.0000000	0.00	0.0138525	9.65
20F28715	6.0 %	0.539329	0.33	0.0000000	0.00	0.0014048	0.37	0.0000000	0.00	5.19737	0.32	0.1016636	0.37	0.0000000	0.00	0.3106270	0.11	0.0009355	9.64	0.0000000	0.00	25.72055	0.06	0.0033393	0.98	39.55631	1.61	161.0222	0.35	0.0000000	0.00	0.0156124	9.65
20F28716	6.8 %	0.351208	0.42	0.0000000	0.00	0.0014298	0.36	0.0000000	0.00	5.28978	0.32	0.0662028	0.45	0.0000000	0.00	0.3011883	0.11	0.0009522	9.64	0.0000000	0.00	24.93900	0.06	0.0033987	0.97	40.02198	1.35	104.8567	0.43	0.0000000	0.00	0.0151380	9.65
20F28717	7.5 %	0.323353	0.45	0.0000000	0.00	0.0014684	0.35	0.0000000	0.00	5.43251	0.31	0.0609521	0.48	0.0000000	0.00	0.3120162	0.11	0.0009779	9.63	0.0000000	0.00	25.83557	0.06	0.0034904	0.97	42.47267	1.27	96.5403	0.46	0.0000000	0.00	0.0156822	9.65
20F28719	8.3 %	0.339727	0.44	0.0000000	0.00	0.0032421	0.25	0.0000000	0.00	11.99443	0.18	0.0640385	0.47	0.0000000	0.00	0.3525067	0.11	0.0021590	9.63	0.0000000	0.00	29.18827	0.06	0.0077064	0.94	50.89368	1.08	101.4288	0.45	0.0000000	0.00	0.0177173	9.65
20F28720	9.1 %	0.250896	0.55	0.0000000	0.00	0.0016168	0.33	0.0000000	0.00	5.98154	0.28	0.0472939	0.57	0.0000000	0.00	0.3415081	0.11	0.0010767	9.63	0.0000000	0.00	28.27756	0.06	0.0038431	0.96	48.62878	1.06	74.9075	0.56	0.0000000	0.00	0.0171645	9.65
20F28721	10.1 %	0.313968	0.48	0.0000000	0.00	0.0032559	0.25	0.0000000	0.00	12.04565	0.18	0.0591830	0.50	0.0000000	0.00	0.3974134	0.10	0.0021682	9.63	0.0000000	0.00	32.90663	0.05	0.0077393	0.94	57.85739	0.94	93.7383	0.49	0.0000000	0.00	0.0199743	9.65
20F28723	11.2 %	0.290164	0.49	0.0000000	0.00	0.0035736	0.25	0.0000001	819.50	13.22071	0.18	0.0546959	0.51	0.0000000	0.00	0.4320436	0.10	0.0023797	9.63	0.0013373	819.50	35.77408	0.05	0.0084943	0.94	64.62454	0.81	86.6313	0.50	0.0000000	0.00	0.0217149	9.65
20F28724	12.4 %	0.270558	0.51	0.0000000	0.00	0.0039357	0.24	0.0000000	0.00	14.56067	0.17	0.0510002	0.53	0.0000000	0.00	0.4348866	0.10	0.0026209	9.63	0.0000000	0.00	36.00949	0.05	0.0093552	0.94	65.08842	0.79	80.7778	0.52	0.0000000	0.00	0.0218578	9.65
20F28725	13.6 %	0.296140	0.47	0.0000000	0.00	0.0020674	0.30	0.0000000	#####	7.64842	0.24	0.0558225	0.50	0.0000000	0.00	0.4237715	0.10	0.0013767	9.63	0.0008873	#####	35.08914	0.05	0.0049141	0.95	63.30611	0.82	88.4157	0.48	0.0000000	0.00	0.0212991	9.65
20F28727	14.9 %	0.313016	0.47	0.0000000	0.00	0.0018301	0.31	0.0000004	93.50	6.77072	0.26	0.0590036	0.50	0.0000000	0.00	0.4135354	0.10	0.0012187	9.63	0.0107020	93.50	34.24157	0.05	0.0043502	0.96	59.61669	0.91	93.4542	0.48	0.0000000	0.00	0.0207846	9.65
20F28728	16.2 %	0.276411	0.50	0.0000000	0.00	0.0017046	0.34	0.0000002	188.23	6.30629	0.29	0.0521034	0.52	0.0000000	0.00	0.4085345	0.10	0.0011351	9.63	0.0054330	188.23	33.82748	0.05	0.0040518	0.97	59.43164	0.87	82.5252	0.51	0.0000000	0.00	0.0205333	9.65
20F28729	17.6 %	0.296685	0.47	0.0000000	0.00	0.0016628	0.32	0.0000004	114.47	6.15160	0.27	0.0559251	0.50	0.0000000	0.00	0.4145144	0.10	0.0011073	9.63	0.0090522	114.48	34.32263	0.05	0.0039524	0.96	59.70978	0.87	88.5782	0.48	0.0000000	0.00	0.0208338	9.65
20F28731	19.0 %	0.298755	0.47	0.0000000	0.00	0.0016606	0.32	0.0000000	0.00	6.14372	0.28	0.0563154	0.49	0.0000000	0.00	0.3977532	0.11	0.0011059	9.63	0.0000000	0.00	32.93477	0.05	0.0039473	0.96	56.94666	0.92	89.1964	0.48	0.0000000	0.00	0.0199914	9.65
20F28732	20.5 %	0.305568	0.47	0.0000000	0.00	0.0034268	0.25	0.0000000	0.00	12.67777	0.19	0.0575996	0.50	0.0000000	0.00	0.4009109	0.10	0.0022820	9.63	0.0000000	0.00	33.19624	0.05	0.0081455	0.94	59.44726	0.90	91.2305	0.48	0.0000000	0.00	0.0201501	9.65
20F28734	21.8 %	0.260078	0.52	0.0000000	0.00	0.0014778	0.35	0.0000000	0.00	5.46713	0.30	0.0490246	0.54	0.0000000	0.00	0.3368379	0.11	0.0009841	9.63	0.0000000	0.00	27.89086	0.06	0.0035126	0.97	50.08404	1.02	77.6488	0.53	0.0000000	0.00	0.0169298	9.65
Σ		15.772170	0.06	0.0000000	0.00	0.0408074	0.07	0.0000023	54.53	150.97069	0.06	2.9730541	0.07	0.0000000	0.00	7.1457742	0.02	0.0271747	2.30	0.0574876	54.51	591.68454	0.01	0.0969987	0.23	953.85611	0.37	4708.9392	0.07	0.0000000	0.00	0.3591525	2.11
Σ								15.812980	0.06	150.97069	0.06									10.203491	0.31			591.78154	0.01							5663.1545	0.08

Additional Parameters		40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
20F28695	0.5 %	186.421462	5.024853	0.138048	0.032257	0.629928	0.017121	24.373	1.622360	1.00017287	2.719E-12
20F28697	0.7 %	169.195613	1.579584	0.213566	0.011622	0.563285	0.005454	24.391	1.622939	1.00017300	6.659E-12
20F28698	0.9 %	111.985529	1.439358	0.097138	0.015363	0.379645	0.005039	24.400	1.623228	1.00017306	3.231E-12
20F28700	1.1 %	88.004610	0.983585	0.240726	0.014028	0.291152	0.003417	24.418	1.623807	1.00017319	3.128E-12
20F28701	1.3 %	117.635100	0.632263	0.121698	0.006775	0.393863	0.002330	24.427	1.624097	1.00017325	8.400E-12
20F28703	1.5 %	112.294139	0.299242	0.125410	0.003174	0.375906	0.001272	24.445	1.624676	1.00017338	1.620E-11
20F28704	1.8 %	53.635825	0.101788	0.238795	0.002033	0.176872	0.000501	24.454	1.624966	1.00017345	1.254E-11
20F28705	2.2 %	41.766692	0.066501	0.252292	0.001666	0.137391	0.000357	24.464	1.625278	1.00017351	1.202E-11
20F28707	2.6 %	36.908859	0.050694	0.260814	0.001338	0.120341	0.000294	24.482	1.625857	1.00017364	1.383E-11
20F28708	3.1 %	16.588205	0.031058	0.158000	0.001142	0.051885	0.000170	24.491	1.626147	1.00017371	6.798E-12
20F28709	3.6 %	24.298442	0.025077	0.156559	0.000838	0.077794	0.000173	24.500	1.626437	1.00017377	1.514E-11
20F28711	4.1 %	11.105374	0.019161	0.173523	0.000813	0.032568	0.000108	24.518	1.627018	1.00017390	6.897E-12
20F28712	4.7 %	9.588252	0.018866	0.373824	0.000995	0.027477	0.000096	24.527	1.627308	1.00017396	5.856E-12
20F28713	5.3 %	10.093626	0.014683	0.185955	0.000685	0.029150	0.000088	24.536	1.627598	1.00017402	8.155E-12
20F28715	6.0 %	7.797971	0.012612	0.202045	0.000668	0.021021	0.000071	24.554	1.628178	1.00017415	7.101E-12
20F28716	6.8 %	5.809138	0.012528	0.212080	0.000683	0.014138	0.000059	24.564	1.628491	1.00017422	5.129E-12
20F28717	7.5 %	5.380563	0.012025	0.210244	0.000653	0.012571	0.000057	24.573	1.628782	1.00017428	4.922E-12
20F28719	8.3 %	✓5.217851	0.010724	0.410825	0.000782	0.011747	0.000052	24.591	1.629363	1.00017441	5.393E-12
20F28720	9.1 %	✓4.368717	0.010920	0.211501	0.000603	0.008929	0.000049	24.600	1.629653	1.00017447	4.374E-12
20F28721	10.1 %	✓4.606367	0.009450	0.365969	0.000698	0.009638	0.000046	24.609	1.629944	1.00017454	5.367E-12
20F28723	11.2 %	✓4.227688	0.008676	0.369473	0.000699	0.008209	0.000040	24.627	1.630525	1.00017467	5.355E-12
20F28724	12.4 %	✓4.050327	0.008607	0.404251	0.000736	0.007621	0.000038	24.636	1.630816	1.00017473	5.164E-12
20F28725	13.6 %	✓4.323898	0.008900	0.217941	0.000543	0.008497	0.000040	24.645	1.631107	1.00017479	5.372E-12
20F28727	14.9 %	✓4.470363	0.009068	0.197709	0.000523	0.009194	0.000043	24.664	1.631711	1.00017493	5.419E-12
20F28728	16.2 %	✓4.196598	0.009151	0.186403	0.000552	0.008221	0.000041	24.673	1.632002	1.00017499	5.026E-12
20F28729	17.6 %	✓4.320524	0.009040	0.179208	0.000491	0.008691	0.000041	24.682	1.632293	1.00017505	5.250E-12
20F28731	19.0 %	✓4.437424	0.009439	0.186520	0.000526	0.009120	0.000043	24.700	1.632875	1.00017518	5.174E-12
20F28732	20.5 %	✓4.538495	0.009370	0.381810	0.000740	0.009306	0.000044	24.709	1.633166	1.00017524	5.335E-12
20F28734	21.8 %	✓4.579767	0.011087	0.195994	0.000600	0.009377	0.000049	24.727	1.633749	1.00017537	4.522E-12



Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
20F28695	0.5 %	0.0163999 ± 0.0010040	0.0207158 ± 0.0056690	0.0059149 ± 0.0073435	0.0161883 ± 0.0081687	4.8596400 ± 0.2996689
20F28697	0.7 %	0.0176489 ± 0.0010040	0.0169786 ± 0.0056690	0.0069977 ± 0.0073435	0.0165323 ± 0.0081687	5.2302961 ± 0.2996689
20F28698	0.9 %	0.0181405 ± 0.0010040	0.0154997 ± 0.0056690	0.0070076 ± 0.0073435	0.0167211 ± 0.0081687	5.3741937 ± 0.2996689
20F28700	1.1 %	0.0188702 ± 0.0010040	0.0132720 ± 0.0056690	0.0063011 ± 0.0073435	0.0170368 ± 0.0081687	5.5831979 ± 0.2996689
20F28701	1.3 %	0.0191141 ± 0.0010040	0.0125018 ± 0.0056690	0.0057050 ± 0.0073435	0.0171321 ± 0.0081687	5.6501854 ± 0.2996689
20F28703	1.5 %	0.0193759 ± 0.0010040	0.0115913 ± 0.0056690	0.0042924 ± 0.0073435	0.0171346 ± 0.0081687	5.7144673 ± 0.2996689
20F28704	1.8 %	0.0194014 ± 0.0010040	0.0114264 ± 0.0056690	0.0035674 ± 0.0073435	0.0170232 ± 0.0081687	5.7141493 ± 0.2996689
20F28705	2.2 %	0.0193563 ± 0.0010040	0.0114456 ± 0.0056690	0.0028332 ± 0.0073435	0.0168093 ± 0.0081687	5.6915839 ± 0.2996689
20F28707	2.6 %	0.0190918 ± 0.0010040	0.0119652 ± 0.0056690	0.0017334 ± 0.0073435	0.0161402 ± 0.0081687	5.5945105 ± 0.2996689
20F28708	3.1 %	0.0188813 ± 0.0010040	0.0124313 ± 0.0056690	0.0013660 ± 0.0073435	0.0156721 ± 0.0081687	5.5222122 ± 0.2996689
20F28709	3.6 %	0.0186254 ± 0.0010040	0.0130149 ± 0.0056690	0.0011472 ± 0.0073435	0.0151180 ± 0.0081687	5.4362641 ± 0.2996689
20F28711	4.1 %	0.0180002 ± 0.0010040	0.0144704 ± 0.0056690	0.0012084 ± 0.0073435	0.0137740 ± 0.0081687	5.2304996 ± 0.2996689
20F28712	4.7 %	0.0176427 ± 0.0010040	0.0153092 ± 0.0056690	0.0015026 ± 0.0073435	0.0130006 ± 0.0081687	5.1144346 ± 0.2996689
20F28713	5.3 %	0.0172637 ± 0.0010040	0.0161990 ± 0.0056690	0.0019743 ± 0.0073435	0.0121743 ± 0.0081687	4.9922227 ± 0.2996689
20F28715	6.0 %	0.0164680 ± 0.0010040	0.0180592 ± 0.0056690	0.0034256 ± 0.0073435	0.0104198 ± 0.0081687	4.7377899 ± 0.2996689
20F28716	6.8 %	0.0160345 ± 0.0010040	0.0190631 ± 0.0056690	0.0044605 ± 0.0073435	0.0094571 ± 0.0081687	4.6002473 ± 0.2996689
20F28717	7.5 %	0.0156394 ± 0.0010040	0.0199693 ± 0.0056690	0.0055547 ± 0.0073435	0.0085798 ± 0.0081687	4.4754677 ± 0.2996689
20F28719	8.3 %	0.0149023 ± 0.0010040	0.0216240 ± 0.0056690	0.0080243 ± 0.0073435	0.0069673 ± 0.0081687	4.2443877 ± 0.2996689
20F28720	9.1 %	0.0145768 ± 0.0010040	0.0223306 ± 0.0056690	0.0093367 ± 0.0073435	0.0062838 ± 0.0081687	4.1432027 ± 0.2996689
20F28721	10.1 %	0.0142913 ± 0.0010040	0.0229279 ± 0.0056690	0.0106509 ± 0.0073435	0.0057201 ± 0.0081687	4.0551384 ± 0.2996689
20F28723	11.2 %	0.0138762 ± 0.0010040	0.0237052 ± 0.0056690	0.0131059 ± 0.0073435	0.0050797 ± 0.0081687	3.9295313 ± 0.2996689
20F28724	12.4 %	0.0137653 ± 0.0010040	0.0238389 ± 0.0056690	0.0141454 ± 0.0073435	0.0050720 ± 0.0081687	3.8977792 ± 0.2996689
20F28725	13.6 %	0.0137316 ± 0.0010040	0.0237711 ± 0.0056690	0.0149841 ± 0.0073435	0.0053223 ± 0.0081687	3.8907291 ± 0.2996689
20F28727	14.9 %	0.0139523 ± 0.0010040	0.0228796 ± 0.0056690	0.0158070 ± 0.0073435	0.0068426 ± 0.0081687	3.9686038 ± 0.2996689
20F28728	16.2 %	0.0142203 ± 0.0010040	0.0220361 ± 0.0056690	0.0156144 ± 0.0073435	0.0081469 ± 0.0081687	4.0574106 ± 0.2996689
20F28729	17.6 %	0.0146081 ± 0.0010040	0.0208882 ± 0.0056690	0.0149357 ± 0.0073435	0.0098858 ± 0.0081687	4.1841134 ± 0.2996689
20F28731	19.0 %	0.0157877 ± 0.0010040	0.0175722 ± 0.0056690	0.0117867 ± 0.0073435	0.0148648 ± 0.0081687	4.5650939 ± 0.2996689
20F28732	20.5 %	0.0166028 ± 0.0010040	0.0153493 ± 0.0056690	0.0091379 ± 0.0073435	0.0182092 ± 0.0081687	4.8265262 ± 0.2996689
20F28734	21.8 %	0.0187431 ± 0.0010040	0.0096326 ± 0.0056690	0.0012090 ± 0.0073435	0.0268844 ± 0.0081687	5.5097938 ± 0.2996689

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)
20F28695	0.5 %	0.2604553 ± 0.0006935	0.9043	EXP	150 of 150	0.0143243 ± 0.0058328	0.0079	EXP	150 of 150	0.0407423 ± 0.0069895	0.0024	EXP	150 of 150	0.428081 ± 0.007343	0.1301	EXP	150 of 150	81.67434 ± 0.01951	0.9983	EXP	150 of 150
20F28697	0.7 %	0.6065263 ± 0.0011503	0.9640	EXP	150 of 150	0.1292424 ± 0.0054157	0.0073	EXP	148 of 150	0.1204792 ± 0.0070729	0.0096	EXP	150 of 150	1.127965 ± 0.006131	0.2185	EXP	150 of 150	193.35110 ± 0.02517	0.9997	EXP	150 of 150
20F28698	0.9 %	0.3091184 ± 0.0007950	0.9172	EXP	150 of 150	0.0332505 ± 0.0051903	0.0012	EXP	150 of 150	0.0574039 ± 0.0070310	0.0001	EXP	150 of 150	0.831555 ± 0.005972	0.1358	EXP	149 of 150	96.65833 ± 0.02030	0.9990	EXP	150 of 150
20F28700	1.1 %	0.2937137 ± 0.0008066	0.9082	EXP	149 of 150	0.1354709 ± 0.0063593	0.0669	EXP	146 of 150	0.0649473 ± 0.0073448	0.0019	EXP	150 of 150	1.020616 ± 0.006877	0.2791	EXP	149 of 150	93.93624 ± 0.02082	0.9989	EXP	150 of 150
20F28701	1.3 %	0.7661233 ± 0.0013967	0.9666	EXP	150 of 150	0.1385534 ± 0.0061567	0.0848	EXP	150 of 150	0.1679497 ± 0.0071621	0.0494	EXP	150 of 150	2.033487 ± 0.006600	0.8040	EXP	150 of 150	242.93414 ± 0.02839	0.9998	EXP	149 of 150
20F28703	1.5 %	1.4597452 ± 0.0019713	0.9831	EXP	150 of 150	0.3027786 ± 0.0055076	0.2593	EXP	150 of 150	0.3500259 ± 0.0076105	0.2176	EXP	150 of 150	4.090755 ± 0.006435	0.9606	EXP	149 of 150	463.33162 ± 0.03199	0.9999	EXP	149 of 150
20F28704	1.8 %	1.1180308 ± 0.0015120	0.9828	EXP	149 of 150	0.9587598 ± 0.0056224	0.7321	EXP	149 of 150	0.3031154 ± 0.0071892	0.1501	EXP	149 of 150	6.620584 ± 0.007226	0.9856	EXP	148 of 150	360.03591 ± 0.02991	0.9999	EXP	148 of 150
20F28705	2.2 %	1.0697146 ± 0.0013581	0.9851	EXP	149 of 150	1.2499099 ± 0.0056108	0.8468	EXP	146 of 150	0.3030094 ± 0.0080432	0.0668	EXP	149 of 150	8.144462 ± 0.006236	0.9933	EXP	150 of 150	345.28550 ± 0.02691	0.9999	EXP	150 of 150
20F28707	2.6 %	1.2166880 ± 0.0014999	0.9860	EXP	149 of 150	1.6848261 ± 0.0058821	0.8908	EXP	150 of 150	0.3565062 ± 0.0075587	0.1154	EXP	150 of 150	10.596097 ± 0.007795	0.9940	EXP	150 of 150	396.23680 ± 0.03437	0.9999	EXP	150 of 150
20F28708	3.1 %	0.5836395 ± 0.0011389	0.9608	EXP	150 of 150	1.1116604 ± 0.0054927	0.8272	EXP	148 of 150	0.2548152 ± 0.0076230	0.1364	EXP	150 of 150	11.587680 ± 0.007378	0.9959	EXP	150 of 150	197.55389 ± 0.02289	0.9998	EXP	150 of 150
20F28709	3.6 %	1.3056949 ± 0.0014872	0.9872	EXP	150 of 150	1.6796838 ± 0.0065612	0.8681	EXP	149 of 150	0.4631425 ± 0.0077074	0.2431	EXP	150 of 150	17.604172 ± 0.007860	0.9980	EXP	150 of 150	432.98509 ± 0.03601	0.9999	EXP	150 of 150
20F28711	4.1 %	0.5552358 ± 0.0011250	0.9524	EXP	150 of 150	1.8554323 ± 0.0060079	0.9078	EXP	150 of 150	0.3124027 ± 0.0066088	0.2163	EXP	148 of 150	17.550878 ± 0.008362	0.9978	EXP	150 of 150	200.06054 ± 0.02424	0.9998	EXP	150 of 150
20F28712	4.7 %	0.4633548 ± 0.0009185	0.9574	EXP	150 of 150	3.9452598 ± 0.0064085	0.9771	EXP	149 of 150	0.2918819 ± 0.0073147	0.1655	EXP	150 of 150	17.258011 ± 0.007652	0.9981	EXP	150 of 150	170.52673 ± 0.02136	0.9997	EXP	149 of 150
20F28713	5.3 %	0.6428363 ± 0.0011980	0.9637	EXP	150 of 150	2.5898573 ± 0.0066803	0.9345	EXP	149 of 150	0.3799139 ± 0.0073285	0.1851	EXP	147 of 150	22.827474 ± 0.008213	0.9988	EXP	150 of 150	235.36878 ± 0.02826	0.9998	EXP	150 of 150
20F28715	6.0 %	0.5249002 ± 0.0010944	0.9550	EXP	150 of 150	3.1721093 ± 0.0075177	0.9512	EXP	150 of 150	0.4002234 ± 0.0080926	0.1718	EXP	150 of 150	25.724537 ± 0.008868	0.9989	EXP	148 of 150	205.33192 ± 0.02266	0.9998	EXP	150 of 150
20F28716	6.8 %	0.3476069 ± 0.0007929	0.9372	EXP	149 of 150	3.2272043 ± 0.0073490	0.9530	EXP	150 of 150	0.3510319 ± 0.0079525	0.1605	EXP	149 of 150	24.942382 ± 0.007624	0.9991	EXP	149 of 150	149.49410 ± 0.02101	0.9997	EXP	150 of 150
20F28717	7.5 %	0.3210570 ± 0.0008087	0.9286	EXP	149 of 150	3.3132948 ± 0.0071433	0.9603	EXP	150 of 150	0.3669912 ± 0.0066545	0.2751	EXP	150 of 150	25.837823 ± 0.006867	0.9993	EXP	149 of 150	143.50415 ± 0.02283	0.9996	EXP	150 of 150
20F28719	8.3 %	0.3373831 ± 0.0008582	0.9198	EXP	150 of 150	7.3352593 ± 0.0067352	0.9921	EXP	147 of 150	0.4056328 ± 0.0079871	0.2353	EXP	150 of 150	29.191844 ± 0.009581	0.9990	EXP	150 of 150	156.58461 ± 0.01995	0.9997	EXP	148 of 150
20F28720	9.1 %	0.2520051 ± 0.0007317	0.8826	EXP	150 of 150	3.6458387 ± 0.0069241	0.9708	EXP	148 of 150	0.3692982 ± 0.0075705	0.1507	EXP	149 of 150	28.276936 ± 0.008846	0.9991	EXP	150 of 150	127.69664 ± 0.02236	0.9994	EXP	150 of 150
20F28721	10.1 %	0.3125651 ± 0.0008625	0.9060	EXP	150 of 150	7.3627326 ± 0.0070576	0.9916	EXP	147 of 150	0.4455904 ± 0.0070124	0.3525	EXP	150 of 150	32.907577 ± 0.008566	0.9994	EXP	147 of 150	155.67080 ± 0.02238	0.9997	EXP	150 of 150
20F28723	11.2 %	0.2900666 ± 0.0007615	0.9082	EXP	150 of 150	8.0795428 ± 0.0079717	0.9911	EXP	150 of 150	0.4771485 ± 0.0080323	0.3167	EXP	150 of 150	35.774049 ± 0.009484	0.9993	EXP	150 of 150	155.20710 ± 0.01757	0.9998	EXP	146 of 150
20F28724	12.4 %	0.2718615 ± 0.0007103	0.9133	EXP	149 of 150	8.8991067 ± 0.0079433	0.9933	EXP	149 of 150	0.4655261 ± 0.0076562	0.2203	EXP	150 of 150	36.010214 ± 0.009031	0.9994	EXP	146 of 150	149.78585 ± 0.02564	0.9995	EXP	150 of 150
20F28725	13.6 %	0.2941253 ± 0.0007191	0.9163	EXP	144 of 150	4.6624347 ± 0.0075849	0.9777	EXP	149 of 150	0.4666753 ± 0.0073754	0.2161	EXP	150 of 150	35.086023 ± 0.009484	0.9993	EXP	150 of 150	155.63383 ± 0.03645	0.9991	EXP	150 of 150
20F28727	14.9 %	0.3099912 ± 0.0008425	0.9121	EXP	150 of 150	4.1240186 ± 0.0072073	0.9724	EXP	150 of 150	0.4684531 ± 0.0066823	0.3433	EXP	149 of 150	34.239726 ± 0.007882	0.9995	EXP	147 of 150	157.06028 ± 0.02250	0.9997	EXP	149 of 150
20F28728	16.2 %	0.2757219 ± 0.0007001	0.9142	EXP	150 of 150	3.8397249 ± 0.0081845	0.9598	EXP	150 of 150	0.4513992 ± 0.0070143	0.2988	EXP	150 of 150	33.826807 ± 0.008733	0.9994	EXP	147 of 150	146.03477 ± 0.02173	0.9996	EXP	149 of 150
20F28729	17.6 %	0.2951335 ± 0.0007263	0.9205	EXP	150 of 150	3.7454723 ± 0.0066496	0.9718	EXP	148 of 150	0.4654653 ± 0.0072062	0.3290	EXP	150 of 150	34.323401 ± 0.008554	0.9994	EXP	150 of 150	152.49295 ± 0.02368	0.9996	EXP	150 of 150
20F28731	19.0 %	0.2982577 ± 0.0007167	0.9241	EXP	150 of 150	3.7426208 ± 0.0070732	0.9715	EXP	150 of 150	0.4398815 ± 0.0073636	0.2535	EXP	150 of 150	32.941038 ± 0.009440	0.9992	EXP	150 of 150	150.72814 ± 0.02379	0.9996	EXP	150 of 150
20F28732	20.5 %	0.3071394 ± 0.0007878	0.9184	EXP	150 of 150	7.7425548 ± 0.0080627	0.9886	EXP	150 of 150	0.4421601 ± 0.0073969	0.2444	EXP	150 of 150	33.209943 ± 0.008869	0.9993	EXP	150 of 150	155.52443 ± 0.02371	0.9996	EXP	150 of 150
20F28734	21.8 %	0.2646738 ± 0.0006771	0.9094	EXP	147 of 150	3.3346708 ± 0.0069302	0.9642	EXP	150 of 150	0.3788492 ± 0.0074544	0.2308	EXP	149 of 150	27.910630 ± 0.008663	0.9991	EXP	150 of 150	133.25953 ± 0.02005	0.9996	EXP	148 of 150

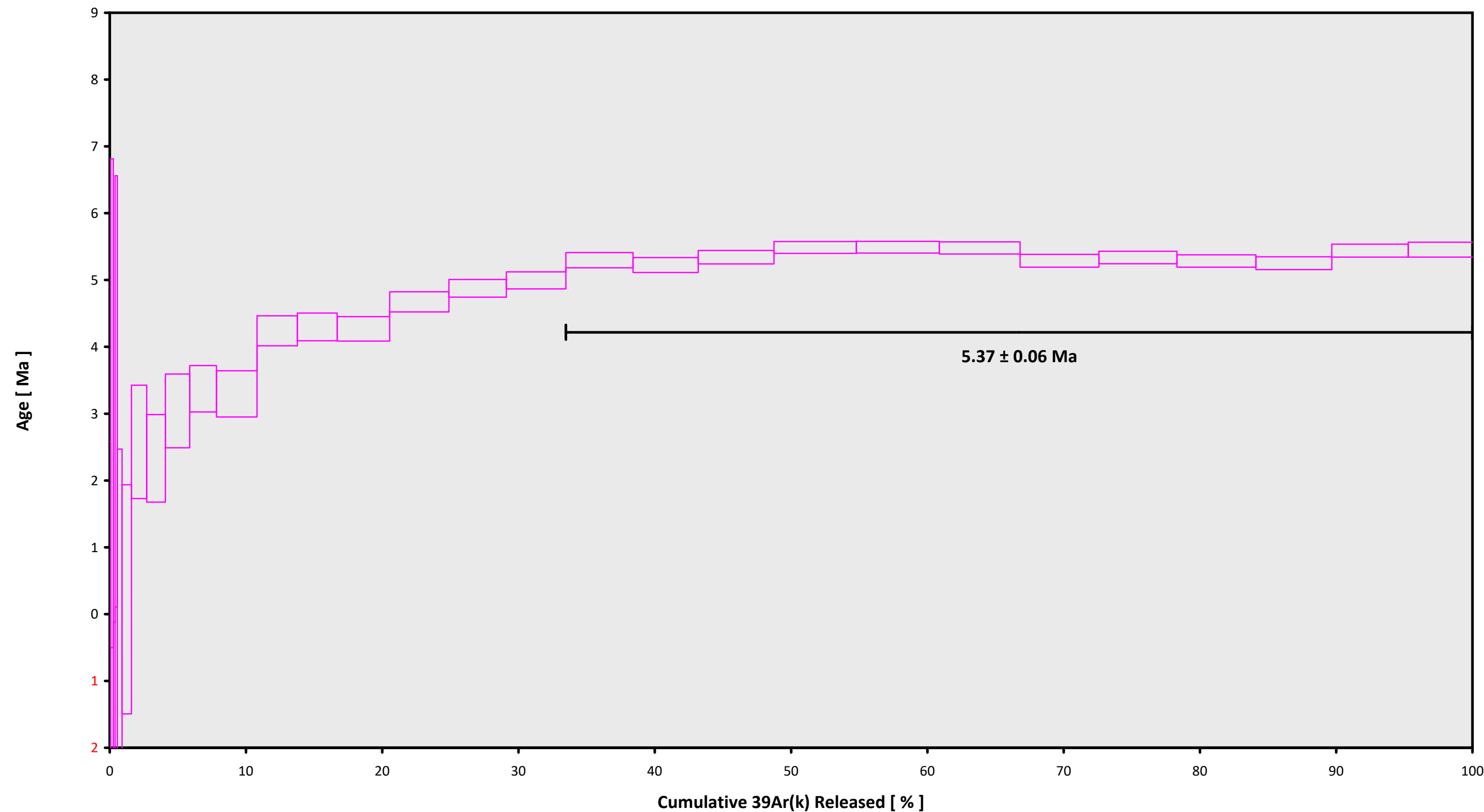


Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
20F28695	0.5 %	Dan Miggins	20-OSU-04	0.00	0.00	9.48	Oregon\McCloughry (19-20)	20F28691	01
20F28697	0.7 %	Dan Miggins	20-OSU-04	0.00	0.00	9.48	Oregon\McCloughry (19-20)	20F28691	01
20F28698	0.9 %	Dan Miggins	20-OSU-04	0.00	0.00	9.48	Oregon\McCloughry (19-20)	20F28691	01
20F28700	1.1 %	Dan Miggins	20-OSU-04	0.00	0.00	9.48	Oregon\McCloughry (19-20)	20F28691	01
20F28701	1.3 %	Dan Miggins	20-OSU-04	0.00	0.00	9.48	Oregon\McCloughry (19-20)	20F28691	01
20F28703	1.5 %	Dan Miggins	20-OSU-04	0.00	0.00	9.48	Oregon\McCloughry (19-20)	20F28691	01
20F28704	1.8 %	Dan Miggins	20-OSU-04	0.00	0.00	9.48	Oregon\McCloughry (19-20)	20F28691	01
20F28705	2.2 %	Dan Miggins	20-OSU-04	0.00	0.00	9.48	Oregon\McCloughry (19-20)	20F28691	01
20F28707	2.6 %	Dan Miggins	20-OSU-04	0.00	0.00	9.48	Oregon\McCloughry (19-20)	20F28691	01
20F28708	3.1 %	Dan Miggins	20-OSU-04	0.00	0.00	9.48	Oregon\McCloughry (19-20)	20F28691	01
20F28709	3.6 %	Dan Miggins	20-OSU-04	0.00	0.00	9.48	Oregon\McCloughry (19-20)	20F28691	01
20F28711	4.1 %	Dan Miggins	20-OSU-04	0.00	0.00	9.48	Oregon\McCloughry (19-20)	20F28691	01
20F28712	4.7 %	Dan Miggins	20-OSU-04	0.00	0.00	9.48	Oregon\McCloughry (19-20)	20F28691	01
20F28713	5.3 %	Dan Miggins	20-OSU-04	0.00	0.00	9.48	Oregon\McCloughry (19-20)	20F28691	01
20F28715	6.0 %	Dan Miggins	20-OSU-04	0.00	0.00	9.48	Oregon\McCloughry (19-20)	20F28691	01
20F28716	6.8 %	Dan Miggins	20-OSU-04	0.00	0.00	9.48	Oregon\McCloughry (19-20)	20F28691	01
20F28717	7.5 %	Dan Miggins	20-OSU-04	0.00	0.00	9.48	Oregon\McCloughry (19-20)	20F28691	01
20F28719	8.3 %	Dan Miggins	20-OSU-04	0.00	0.00	9.48	Oregon\McCloughry (19-20)	20F28691	01
20F28720	9.1 %	Dan Miggins	20-OSU-04	0.00	0.00	9.48	Oregon\McCloughry (19-20)	20F28691	01
20F28721	10.1 %	Dan Miggins	20-OSU-04	0.00	0.00	9.48	Oregon\McCloughry (19-20)	20F28691	01
20F28723	11.2 %	Dan Miggins	20-OSU-04	0.00	0.00	9.48	Oregon\McCloughry (19-20)	20F28691	01
20F28724	12.4 %	Dan Miggins	20-OSU-04	0.00	0.00	9.48	Oregon\McCloughry (19-20)	20F28691	01
20F28725	13.6 %	Dan Miggins	20-OSU-04	0.00	0.00	9.48	Oregon\McCloughry (19-20)	20F28691	01
20F28727	14.9 %	Dan Miggins	20-OSU-04	0.00	0.00	9.48	Oregon\McCloughry (19-20)	20F28691	01
20F28728	16.2 %	Dan Miggins	20-OSU-04	0.00	0.00	9.48	Oregon\McCloughry (19-20)	20F28691	01
20F28729	17.6 %	Dan Miggins	20-OSU-04	0.00	0.00	9.48	Oregon\McCloughry (19-20)	20F28691	01
20F28731	19.0 %	Dan Miggins	20-OSU-04	0.00	0.00	9.48	Oregon\McCloughry (19-20)	20F28691	01
20F28732	20.5 %	Dan Miggins	20-OSU-04	0.00	0.00	9.48	Oregon\McCloughry (19-20)	20F28691	01
20F28734	21.8 %	Dan Miggins	20-OSU-04	0.00	0.00	9.48	Oregon\McCloughry (19-20)	20F28691	01

Sample Parameters			Sample	Material	Location	Standard Name	Standard (in Ma)	%1σ	Standard Reference	Standard 40Ar/39Ar	%1σ	J	%1σ	Air		%1σ	MDF (lin)	%1σ	Volume Ratio	Sensitivity (mol/volt)	Day	Month	Year	Hour	Min	Resist
														40Ar/36Ar	%1σ											
20F28695	0.5 %	34 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B8-20)	28.201	0.082	Kuiper et al (2008)	9.34147	0.048	0.00166200	0.048	298.806	0.116	0.99979391	0.039	1	3.54E-14	26	OCT	2020	0	33	1		
20F28697	0.7 %	34 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B8-20)	28.201	0.082	Kuiper et al (2008)	9.34147	0.048	0.00166200	0.048	298.806	0.116	0.99979391	0.039	1	3.54E-14	26	OCT	2020	0	59	1		
20F28698	0.9 %	34 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B8-20)	28.201	0.082	Kuiper et al (2008)	9.34147	0.048	0.00166200	0.048	298.806	0.116	0.99979391	0.039	1	3.54E-14	26	OCT	2020	1	12	1		
20F28700	1.1 %	34 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B8-20)	28.201	0.082	Kuiper et al (2008)	9.34147	0.048	0.00166200	0.048	298.806	0.116	0.99979391	0.039	1	3.54E-14	26	OCT	2020	1	38	1		
20F28701	1.3 %	34 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B8-20)	28.201	0.082	Kuiper et al (2008)	9.34147	0.048	0.00166200	0.048	298.806	0.116	0.99979391	0.039	1	3.54E-14	26	OCT	2020	1	51	1		
20F28703	1.5 %	34 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B8-20)	28.201	0.082	Kuiper et al (2008)	9.34147	0.048	0.00166200	0.048	298.806	0.116	0.99979391	0.039	1	3.54E-14	26	OCT	2020	2	17	1		
20F28704	1.8 %	34 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B8-20)	28.201	0.082	Kuiper et al (2008)	9.34147	0.048	0.00166200	0.048	298.806	0.116	0.99979391	0.039	1	3.54E-14	26	OCT	2020	2	30	1		
20F28705	2.2 %	34 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B8-20)	28.201	0.082	Kuiper et al (2008)	9.34147	0.048	0.00166200	0.048	298.806	0.116	0.99979391	0.039	1	3.54E-14	26	OCT	2020	2	44	1		
20F28707	2.6 %	34 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B8-20)	28.201	0.082	Kuiper et al (2008)	9.34147	0.048	0.00166200	0.048	298.806	0.116	0.99979391	0.039	1	3.54E-14	26	OCT	2020	3	10	1		
20F28708	3.1 %	34 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B8-20)	28.201	0.082	Kuiper et al (2008)	9.34147	0.048	0.00166200	0.048	298.806	0.116	0.99979391	0.039	1	3.54E-14	26	OCT	2020	3	23	1		
20F28709	3.6 %	34 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B8-20)	28.201	0.082	Kuiper et al (2008)	9.34147	0.048	0.00166200	0.048	298.806	0.116	0.99979391	0.039	1	3.54E-14	26	OCT	2020	3	36	1		
20F28711	4.1 %	34 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B8-20)	28.201	0.082	Kuiper et al (2008)	9.34147	0.048	0.00166200	0.048	298.806	0.116	0.99979391	0.039	1	3.54E-14	26	OCT	2020	4	2	1		
20F28712	4.7 %	34 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B8-20)	28.201	0.082	Kuiper et al (2008)	9.34147	0.048	0.00166200	0.048	298.806	0.116	0.99979391	0.039	1	3.54E-14	26	OCT	2020	4	15	1		
20F28713	5.3 %	34 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B8-20)	28.201	0.082	Kuiper et al (2008)	9.34147	0.048	0.00166200	0.048	298.806	0.116	0.99979391	0.039	1	3.54E-14	26	OCT	2020	4	28	1		
20F28715	6.0 %	34 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B8-20)	28.201	0.082	Kuiper et al (2008)	9.34147	0.048	0.00166200	0.048	298.806	0.116	0.99979391	0.039	1	3.54E-14	26	OCT	2020	4	54	1		
20F28716	6.8 %	34 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B8-20)	28.201	0.082	Kuiper et al (2008)	9.34147	0.048	0.00166200	0.048	298.806	0.116	0.99979391	0.039	1	3.54E-14	26	OCT	2020	5	8	1		
20F28717	7.5 %	34 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B8-20)	28.201	0.082	Kuiper et al (2008)	9.34147	0.048	0.00166200	0.048	298.806	0.116	0.99979391	0.039	1	3.54E-14	26	OCT	2020	5	21	1		
20F28719	8.3 %	34 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B8-20)	28.201	0.082	Kuiper et al (2008)	9.34147	0.048	0.00166200	0.048	298.806	0.116	0.99979391	0.039	1	3.54E-14	26	OCT	2020	5	47	1		
20F28720	9.1 %	34 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B8-20)	28.201	0.082	Kuiper et al (2008)	9.34147	0.048	0.00166200	0.048	298.806	0.116	0.99979391	0.039	1	3.54E-14	26	OCT	2020	6	0	1		
20F28721	10.1 %	34 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B8-20)	28.201	0.082	Kuiper et al (2008)	9.34147	0.048	0.00166200	0.048	298.806	0.116	0.99979391	0.039	1	3.54E-14	26	OCT	2020	6	13	1		
20F28723	11.2 %	34 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B8-20)	28.201	0.082	Kuiper et al (2008)	9.34147	0.048	0.00166200	0.048	298.806	0.116	0.99979391	0.039	1	3.54E-14	26	OCT	2020	6	39	1		
20F28724	12.4 %	34 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B8-20)	28.201	0.082	Kuiper et al (2008)	9.34147	0.048	0.00166200	0.048	298.806	0.116	0.99979391	0.039	1	3.54E-14	26	OCT	2020	6	52	1		
20F28725	13.6 %	34 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B8-20)	28.201	0.082	Kuiper et al (2008)	9.34147	0.048	0.00166200	0.048	298.806	0.116	0.99979391	0.039	1	3.54E-14	26	OCT	2020	7	5	1		
20F28727	14.9 %	34 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B8-20)	28.201	0.082	Kuiper et al (2008)	9.34147	0.048	0.00166200	0.048	298.806	0.116	0.99979391	0.039	1	3.54E-14	26	OCT	2020	7	32	1		
20F28728	16.2 %	34 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B8-20)	28.201	0.082	Kuiper et al (2008)	9.34147	0.048	0.00166200	0.048	298.806	0.116	0.99979391	0.039	1	3.54E-14	26	OCT	2020	7	45	1		
20F28729	17.6 %	34 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B8-20)	28.201	0.082	Kuiper et al (2008)	9.34147	0.048	0.00166200	0.048	298.806	0.116	0.99979391	0.039	1	3.54E-14	26	OCT	2020	7	58	1		
20F28731	19.0 %	34 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B8-20)	28.201	0.082	Kuiper et al (2008)	9.34147	0.048	0.00166200	0.048	298.806	0.116	0.99979391	0.039	1	3.54E-14	26	OCT	2020	8	24	1		
20F28732	20.5 %	34 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B8-20)	28.201	0.082	Kuiper et al (2008)	9.34147	0.048	0.00166200	0.048	298.806	0.116	0.99979391	0.039	1	3.54E-14	26	OCT	2020	8	37	1		
20F28734	21.8 %	34 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B8-20)	28.201	0.082	Kuiper et al (2008)	9.34147	0.048	0.00166200	0.048	298.806	0.116	0.99979391	0.039	1	3.54E-14	26	OCT	2020	9	3	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
20F28695	0.5 %	298.56	0.104	0.018	35	0.1885	0.159	1.493	3	0.0006425	0.92	0.00018	9.63	0.0002703	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
20F28697	0.7 %	298.56	0.104	0.018	35	0.1885	0.159	1.493	3	0.0006425	0.92	0.00018	9.63	0.0002703	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
20F28698	0.9 %	298.56	0.104	0.018	35	0.1885	0.159	1.493	3	0.0006425	0.92	0.00018	9.63	0.0002703	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
20F28700	1.1 %	298.56	0.104	0.018	35	0.1885	0.159	1.493	3	0.0006425	0.92	0.00018	9.63	0.0002703	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
20F28701	1.3 %	298.56	0.104	0.018	35	0.1885	0.159	1.493	3	0.0006425	0.92	0.00018	9.63	0.0002703	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
20F28703	1.5 %	298.56	0.104	0.018	35	0.1885	0.159	1.493	3	0.0006425	0.92	0.00018	9.63	0.0002703	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
20F28704	1.8 %	298.56	0.104	0.018	35	0.1885	0.159	1.493	3	0.0006425	0.92	0.00018	9.63	0.0002703	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
20F28705	2.2 %	298.56	0.104	0.018	35	0.1885	0.159	1.493	3	0.0006425	0.92	0.00018	9.63	0.0002703	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
20F28707	2.6 %	298.56	0.104	0.018	35	0.1885	0.159	1.493	3	0.0006425	0.92	0.00018	9.63	0.0002703	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
20F28708	3.1 %	298.56	0.104	0.018	35	0.1885	0.159	1.493	3	0.0006425	0.92	0.00018	9.63	0.0002703	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
20F28709	3.6 %	298.56	0.104	0.018	35	0.1885	0.159	1.493	3	0.0006425	0.92	0.00018	9.63	0.0002703	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
20F28711	4.1 %	298.56	0.104	0.018	35	0.1885	0.159	1.493	3	0.0006425	0.92	0.00018	9.63	0.0002703	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
20F28712	4.7 %	298.56	0.104	0.018	35	0.1885	0.159	1.493	3	0.0006425	0.92	0.00018	9.63	0.0002703	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
20F28713	5.3 %	298.56	0.104	0.018	35	0.1885	0.159	1.493	3	0.0006425	0.92	0.00018	9.63	0.0002703	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
20F28715	6.0 %	298.56	0.104	0.018	35	0.1885	0.159	1.493	3	0.0006425	0.92	0.00018	9.63	0.0002703	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
20F28716	6.8 %	298.56	0.104	0.018	35	0.1885	0.159	1.493	3	0.0006425	0.92	0.00018	9.63	0.0002703	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
20F28717	7.5 %	298.56	0.104	0.018	35	0.1885	0.159	1.493	3	0.0006425	0.92	0.00018	9.63	0.0002703	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
20F28719	8.3 %	298.56	0.104	0.018	35	0.1885	0.159	1.493	3	0.0006425	0.92	0.00018	9.63	0.0002703	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
20F28720	9.1 %	298.56	0.104	0.018	35	0.1885	0.159	1.493	3	0.0006425	0.92	0.00018	9.63	0.0002703	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
20F28721	10.1 %	298.56	0.104	0.018	35	0.1885	0.159	1.493	3	0.0006425	0.92	0.00018	9.63	0.0002703	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
20F28723	11.2 %	298.56	0.104	0.018	35	0.1885	0.159	1.493	3	0.0006425	0.92	0.00018	9.63	0.0002703	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
20F28724	12.4 %	298.56	0.104	0.018	35	0.1885	0.159	1.493	3	0.0006425	0.92	0.00018	9.63	0.0002703	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
20F28725	13.6 %	298.56	0.104	0.018	35	0.1885	0.159	1.493	3	0.0006425	0.92	0.00018	9.63	0.0002703	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
20F28727	14.9 %	298.56	0.104	0.018	35	0.1885	0.159	1.493	3	0.0006425	0.92	0.00018	9.63	0.0002703	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
20F28728	16.2 %	298.56	0.104	0.018	35	0.1885	0.159	1.493	3	0.0006425	0.92	0.00018	9.63	0.0002703	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
20F28729	17.6 %	298.56	0.104	0.018	35	0.1885	0.159	1.493	3	0.0006425	0.92	0.00018	9.63	0.0002703	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
20F28731	19.0 %	298.56	0.104	0.018	35	0.1885	0.159	1.493	3	0.0006425	0.92	0.00018	9.63	0.0002703	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
20F28732	20.5 %	298.56	0.104	0.018	35	0.1885	0.159	1.493	3	0.0006425	0.92	0.00018	9.63	0.0002703	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
20F28734	21.8 %	298.56	0.104	0.018	35	0.1885	0.159	1.493	3	0.0006425	0.92	0.00018	9.63	0.0002703	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0

20F28691.AGE >>> 34 DRBLJ 19 >>> OREGON | MCCLAUGHRY (19-20) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

$5.37 \pm 0.06$

TOTAL FUSION

$4.90 \pm 0.04$

NORMAL ISOCHRON

$5.73 \pm 0.53$

INVERSE ISOCHRON

$5.73 \pm 0.51$

MSWD (PROBABILITY)

4.22 (0%)

Sample Info

Groundmass

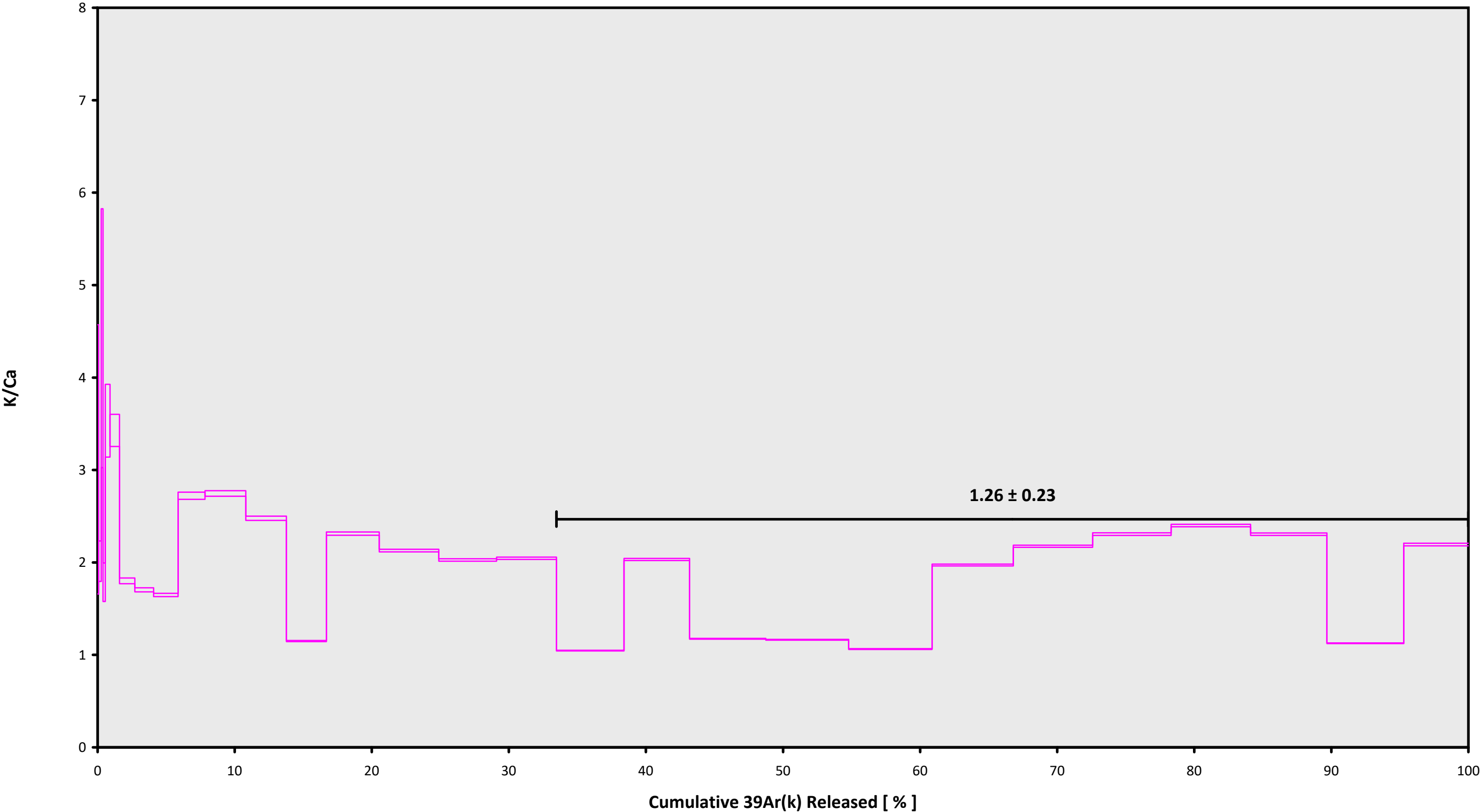
Badger Lake

Dan Miggins

IRR = 20-OSU-04 (4B8-20)

$J = 0.00166200 \pm 0.00000080$

20F28691.AGE >>> 34 DRBLJ 19 >>> OREGON | MCCLAUGHRY (19-20) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

$5.37 \pm 0.06$

TOTAL FUSION

$4.90 \pm 0.04$

NORMAL ISOCHRON

$5.73 \pm 0.53$

INVERSE ISOCHRON

$5.73 \pm 0.51$

Sample Info

Groundmass

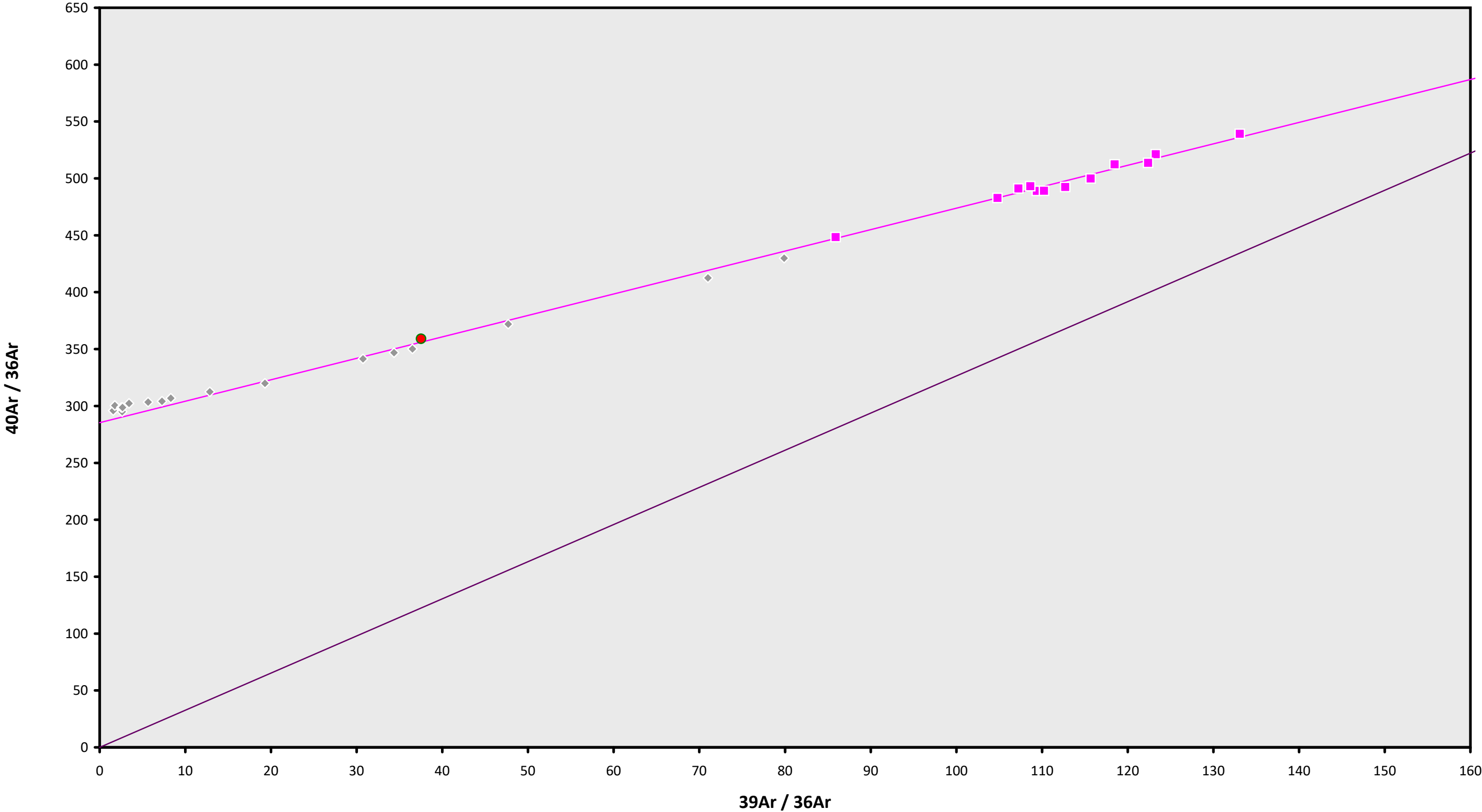
Badger Lake

Dan Miggins

IRR = 20-OSU-04 (4B8-20)

$J = 0.00166200 \pm 0.00000080$

20F28691.AGE >>> 34 DRBLJ 19 >>> OREGON | MCCLAUGHRY (19-20) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

$5.37 \pm 0.06$

TOTAL FUSION

$4.90 \pm 0.04$

NORMAL ISOCHRON

$5.73 \pm 0.53$

INVERSE ISOCHRON

$5.73 \pm 0.51$

MSWD (PROBABILITY)

4.07 (0%)

40AR/36AR INTERCEPT

$285.3 \pm 19.5$

Sample Info

Groundmass

Badger Lake

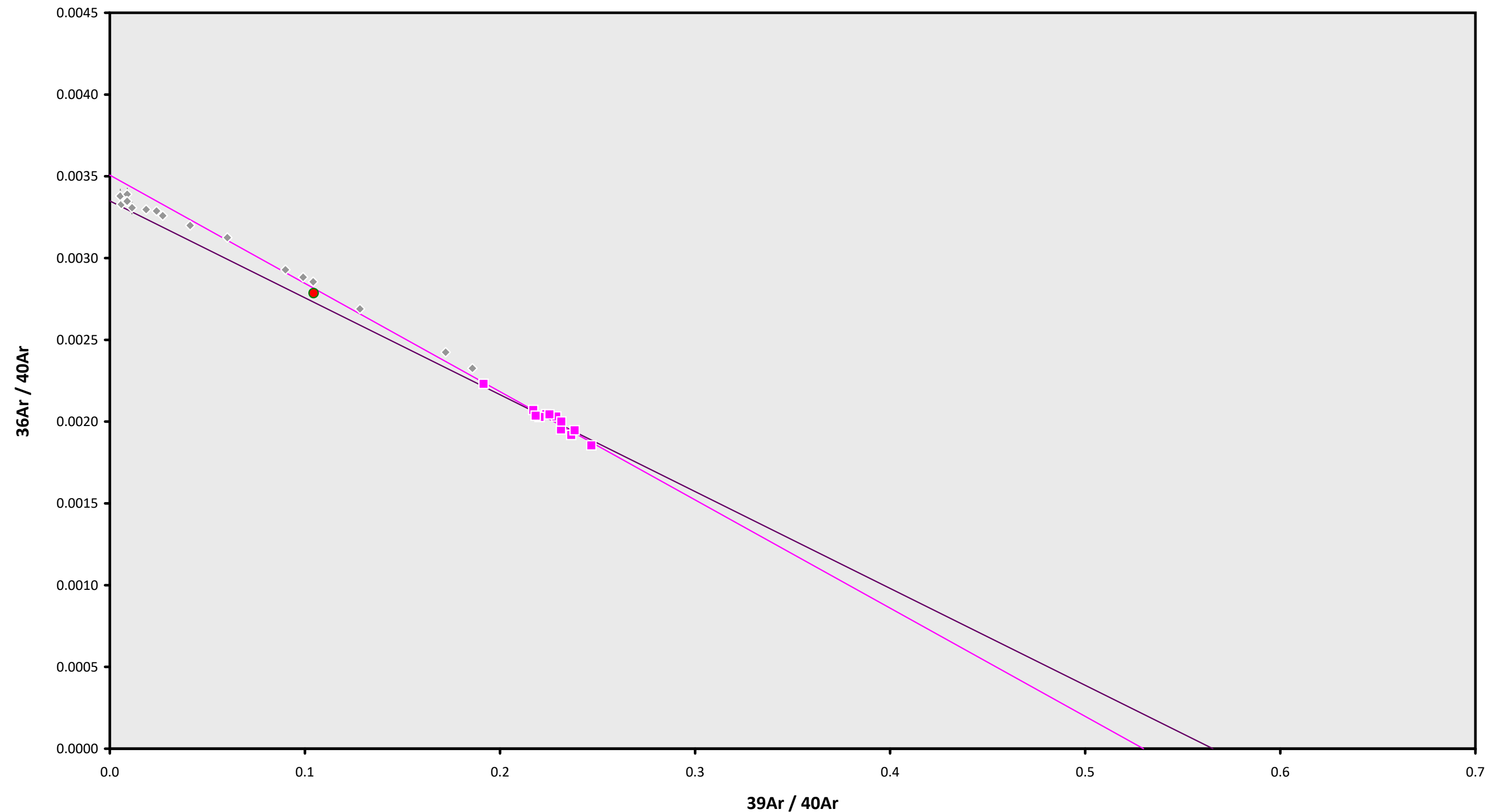
Dan Miggins

IRR = 20-OSU-04 (4B8-20)

$J = 0.00166200 \pm 0.00000080$



20F28691.AGE >>> 34 DRBLJ 19 >>> OREGON | MCCLAUGHRY (19-20) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

$5.37 \pm 0.06$

TOTAL FUSION

$4.90 \pm 0.04$

NORMAL ISOCHRON

$5.73 \pm 0.53$

INVERSE ISOCHRON

$5.73 \pm 0.51$

MSWD (PROBABILITY)

4.05 (0%)

SPREADING FACTOR

10.4%

40AR/36AR INTERCEPT

$285.1 \pm 19.4$

Sample Info

Groundmass

Badger Lake

Dan Miggins

IRR = 20-OSU-04 (4B8-20)

$J = 0.00166200 \pm 0.00000080$