

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
20F28743	0.5 %	0.1161316	0.856	1.66071	0.843	0.114771	9.182	6.4295	0.147	36.0616	0.455	2.62455 ± 0.65943	7.90 ± 1.98	46.79	0.47	1.66 ± 0.03
20F28745	0.7 %	0.0334986	2.591	1.12865	1.147	0.074599	13.263	4.3236	0.211	10.8692	1.509	1.24025 ± 0.29737	3.74 ± 0.90	49.33	0.32	1.65 ± 0.04
20F28746	0.9 %	0.0149247	5.497	0.73458	1.867	0.047980	22.115	2.6773	0.327	5.0489	3.249	0.97318 ± 0.25601	2.93 ± 0.77	51.60	0.20	1.57 ± 0.06
20F28748	1.1 %	0.0239071	3.564	0.38972	3.585	0.032145	33.182	1.7135	0.523	7.1861	2.282	1.88974 ± 0.56592	5.69 ± 1.70	45.05	0.13	1.89 ± 0.14
20F28749	1.3 %	0.0245614	3.436	0.68660	1.924	0.096685	11.447	5.6502	0.163	8.3810	1.956	0.76729 ± 0.17469	2.31 ± 0.53	51.72	0.41	3.54 ± 0.14
20F28751	1.5 %	0.0444909	1.989	2.46776	0.583	0.151069	6.914	8.3751	0.122	14.5667	1.125	0.87104 ± 0.19773	2.63 ± 0.60	50.07	0.61	1.46 ± 0.02
20F28752	1.8 %	0.0575816	1.546	7.51088	0.243	0.444172	2.431	26.0530	0.057	22.4739	0.733	0.50851 ± 0.07950	1.53 ± 0.24	58.94	1.90	1.49 ± 0.01
20F28753	2.2 %	0.0467308	1.924	10.94964	0.193	0.519546	2.040	31.6359	0.053	22.6929	0.723	0.48738 ± 0.05231	1.47 ± 0.16	67.93	2.31	1.24 ± 0.00
20F28755	2.6 %	0.0567477	1.587	13.50545	0.177	0.549327	2.014	35.0799	0.048	30.8308	0.532	0.62741 ± 0.05657	1.89 ± 0.17	71.37	2.56	1.12 ± 0.00
20F28756	3.1 %	0.0484043	1.854	18.55821	0.167	0.626676	1.657	45.8202	0.046	39.6022	0.414	0.70684 ± 0.03583	2.13 ± 0.11	81.76	3.35	1.06 ± 0.00
20F28757	3.6 %	✓ 0.1364579	0.749	15.39961	0.199	1.036136	1.090	80.7541	0.042	91.0265	0.181	0.85500 ± 0.05996	2.58 ± 0.18	75.84	5.90	2.25 ± 0.01
20F28759	4.1 %	✓ 0.0713574	1.273	39.15176	0.149	1.081242	0.991	91.6192	0.043	84.3797	0.195	0.81058 ± 0.02466	2.44 ± 0.07	87.99	6.69	1.01 ± 0.00
20F28760	4.7 %	✓ 0.0660244	1.378	39.16417	0.151	1.156024	0.934	99.6923	0.042	90.0628	0.183	0.81078 ± 0.02076	2.45 ± 0.06	89.72	7.28	1.09 ± 0.00
20F28761	5.3 %	✓ 0.0730778	1.273	54.95023	0.147	1.346304	0.840	120.9301	0.041	107.7917	0.153	0.81113 ± 0.01795	2.45 ± 0.05	90.97	8.83	0.95 ± 0.00
20F28763	6.0 %	✓ 0.0894026	1.093	70.71113	0.152	1.614541	0.646	144.6102	0.041	128.9590	0.128	0.81080 ± 0.01801	2.45 ± 0.05	90.89	10.56	0.88 ± 0.00
20F28764	6.8 %	✓ 0.0735301	8.616	93.41373	0.139	1.443048	0.705	126.1756	0.043	111.4654	0.148	0.81974 ± 0.02189	2.47 ± 0.07	92.75	9.22	0.58 ± 0.00
20F28765	7.5 %	✓ 0.0814764	1.105	64.57280	0.145	1.249607	0.875	110.2085	0.041	97.4544	0.169	0.78762 ± 0.02156	2.38 ± 0.06	89.04	8.05	0.73 ± 0.00
20F28767	8.3 %	✓ 0.0967583	0.984	66.12897	0.146	1.157267	0.916	100.2136	0.041	93.4653	0.176	0.80184 ± 0.02905	2.42 ± 0.09	85.94	7.32	0.65 ± 0.00
20F28768	9.1 %	✓ 0.0946109	1.030	55.09623	0.146	0.869762	1.275	75.0729	0.043	74.9073	0.219	0.82146 ± 0.03918	2.48 ± 0.12	82.29	5.48	0.59 ± 0.00
20F28769	10.1 %	✓ 0.0988197	0.996	23.43425	0.183	0.732047	1.455	61.1624	0.044	65.9886	0.249	0.82772 ± 0.05561	2.50 ± 0.17	76.70	4.47	1.12 ± 0.00
20F28771	11.2 %	0.1156594	0.854	21.60414	0.170	0.595223	1.819	47.8996	0.047	61.4697	0.267	0.90271 ± 0.08409	2.72 ± 0.25	70.32	3.50	0.95 ± 0.00
20F28772	12.4 %	0.1277768	0.773	39.29492	0.152	0.480490	2.319	37.2302	0.049	58.5380	0.280	1.05054 ± 0.11537	3.17 ± 0.35	66.77	2.72	0.41 ± 0.00
20F28773	13.6 %	0.1212052	0.785	14.64224	0.197	0.352876	2.858	27.0318	0.056	49.8124	0.330	1.12316 ± 0.15893	3.39 ± 0.48	60.93	1.97	0.79 ± 0.00
20F28775	14.9 %	0.1198815	0.831	12.72086	0.218	0.314447	3.302	22.0295	0.062	45.6561	0.359	1.19569 ± 0.19374	3.60 ± 0.58	57.67	1.61	0.74 ± 0.00
20F28776	16.2 %	0.1086112	0.891	18.82033	0.170	0.227782	4.601	16.6165	0.073	39.5576	0.415	1.34772 ± 0.22876	4.06 ± 0.69	56.57	1.21	0.38 ± 0.00
20F28777	17.6 %	0.1031762	0.877	16.03454	0.174	0.202903	5.193	13.4964	0.083	36.4533	0.450	1.48689 ± 0.26897	4.48 ± 0.81	55.01	0.99	0.36 ± 0.00
20F28779	19.0 %	0.1670351	0.614	8.73840	0.247	0.193126	5.411	11.3148	0.090	52.6634	0.312	2.24116 ± 0.53198	6.75 ± 1.60	48.13	0.83	0.56 ± 0.00
20F28780	20.5 %	0.0935580	1.029	14.32056	0.177	0.124536	8.249	8.2990	0.120	30.4351	0.539	1.87645 ± 0.39791	5.65 ± 1.20	51.11	0.61	0.25 ± 0.00
20F28782	21.8 %	0.0906750	1.045	13.16964	0.177	0.123784	8.529	6.7753	0.136	28.8533	0.569	2.12822 ± 0.47369	6.41 ± 1.42	49.91	0.49	0.22 ± 0.00
Σ		2.3960726	0.335	738.96071	0.039	16.958113	0.338	1368.8904	0.011	1546.6528	0.057					

Information on Analysis and Constants Used in Calculations	
Project = MCCLAUGHRY (19-20)	
Sample = 84 DRBLJ 19	
Material = Groundmass	
Location = Badger Lake	
Region = Eastern Cascades	
Analyst = Dan Miggins	
Irradiation = 20-OSU-04 (4B19-20)	
Position = X: 0   Y: 0   Z/H: 25.41152 mm	
FCT-NM Age = 28.201 ± 0.023 Ma	
FCT-NM Reference = Kuiper et al (2008)	
FCT-NM 40Ar/39Ar Ratio = 9.41742 ± 0.00452	
FCT-NM J-value = 0.00164859 ± 0.00000079	
Air Shot 40Ar/36Ar = 299.1310 ± 0.3470	
Air Shot MDF = 0.99952217 ± 0.00038925 (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) = 165.85 ± 18.21  
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		0.80982 ± 0.00771 ± 0.95%	2.44 ± 0.02 ± 0.96%	0.94 49%	73.82 10	0.75 ± 0.15
		Full External Error ± 0.13 Analytical Error ± 0.02		1.94 1.0000	2σ Confidence Limit Error Magnification	
Total Fusion Age		0.86345 ± 0.01225 ± 1.42%	2.60 ± 0.04 ± 1.42%		29	0.80 ± 0.00
		Full External Error ± 0.14 Analytical Error ± 0.04				
Normal Isochron No Convergence	202.07 ± 22.58 ± 11.17%	0.78388 ± 0.01778 ± 2.27%	2.36 ± 0.05 ± 2.27%	20.16 0%	73.82 10	
		Full External Error ± 0.13 Analytical Error ± 0.05		2.00 4.4898	2σ Confidence Limit Error Magnification	
				100 0.0000196641	Number of Iterations Convergence	
Inverse Isochron Error Chron	201.07 ± 21.60 ± 10.74%	0.78621 ± 0.01681 ± 2.14%	2.37 ± 0.05 ± 2.14%	19.08 0%	73.82 10	
		Full External Error ± 0.13 Analytical Error ± 0.05		2.00 4.3684	2σ Confidence Limit Error Magnification	
Notes				5 0.0003930617	Number of Iterations Convergence	
Subatmospheric Initial 40Ar/36Ar = 165.85 ± 10.98 (%SD).				19%	Spreading Factor	

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
20F28743	0.5 %	0.1156821	1.66071	0.0150290	6.4285	16.8718	7.90 ± 1.98	46.79	0.47	1.66 ± 0.03
20F28745	0.7 %	0.0331929	1.12865	0.0159311	4.3229	5.3615	3.74 ± 0.90	49.33	0.32	1.65 ± 0.04
20F28746	0.9 %	0.0147256	0.73458	0.0127439	2.6769	2.6051	2.93 ± 0.77	51.60	0.20	1.57 ± 0.06
20F28748	1.1 %	0.0238015	0.38972	0.0068969	1.7133	3.2376	5.69 ± 1.70	45.05	0.13	1.89 ± 0.14
20F28749	1.3 %	0.0243749	0.68660	0.0237353	5.6497	4.3350	2.31 ± 0.53	51.72	0.41	3.54 ± 0.14
20F28751	1.5 %	0.0438222	2.46776	0.0412371	8.3735	7.2937	2.63 ± 0.60	50.07	0.61	1.46 ± 0.02
20F28752	1.8 %	0.0555466	7.51088	0.1177658	26.0481	13.2457	1.53 ± 0.24	58.94	1.90	1.49 ± 0.01
20F28753	2.2 %	0.0437660	10.94964	0.1273439	31.6288	15.4151	1.47 ± 0.16	67.93	2.31	1.24 ± 0.00
20F28755	2.6 %	0.0530926	13.50545	0.1133330	35.0712	22.0041	1.89 ± 0.17	71.37	2.56	1.12 ± 0.00
20F28756	3.1 %	0.0433855	18.55821	0.0619307	45.8083	32.3789	2.13 ± 0.11	81.76	3.35	1.06 ± 0.00
20F28757	3.6 %	✓ 0.1322941	15.39961	0.0332793	80.7442	69.0365	2.58 ± 0.18	75.84	5.90	2.25 ± 0.01
20F28759	4.1 %	✓ 0.0607747	39.15176	0.0000000	91.5940	74.2446	2.44 ± 0.07	87.99	6.69	1.01 ± 0.00
20F28760	4.7 %	✓ 0.0554383	39.16417	0.0000000	99.6672	80.8079	2.45 ± 0.06	89.72	7.28	1.09 ± 0.00
20F28761	5.3 %	✓ 0.0582248	54.95023	0.0000000	120.8948	98.0617	2.45 ± 0.05	90.97	8.83	0.95 ± 0.00
20F28763	6.0 %	✓ 0.0702894	70.71113	0.0000000	144.5648	117.2138	2.45 ± 0.05	90.89	10.56	0.88 ± 0.00
20F28764	6.8 %	✓ 0.0482803	93.41373	0.0000000	126.1156	103.3815	2.47 ± 0.07	92.75	9.22	0.58 ± 0.00
20F28765	7.5 %	✓ 0.0640224	64.57280	0.0000000	110.1670	86.7694	2.38 ± 0.06	89.04	8.05	0.73 ± 0.00
20F28767	8.3 %	✓ 0.0788837	66.12897	0.0000000	100.1711	80.3216	2.42 ± 0.09	85.94	7.32	0.65 ± 0.00
20F28768	9.1 %	✓ 0.0797184	55.09623	0.0000000	75.0375	61.6404	2.48 ± 0.12	82.29	5.48	0.59 ± 0.00
20F28769	10.1 %	✓ 0.0924854	23.43425	0.0000000	61.1473	50.6128	2.50 ± 0.17	76.70	4.47	1.12 ± 0.00
20F28771	11.2 %	0.1098198	21.60414	0.0000000	47.8858	43.2270	2.72 ± 0.25	70.32	3.50	0.95 ± 0.00
20F28772	12.4 %	0.1171553	39.29492	0.0020094	37.2049	39.0852	3.17 ± 0.35	66.77	2.72	0.41 ± 0.00
20F28773	13.6 %	0.1172473	14.64224	0.0017898	27.0224	30.3506	3.39 ± 0.48	60.93	1.97	0.79 ± 0.00
20F28775	14.9 %	0.1164420	12.72086	0.0242556	22.0214	26.3308	3.60 ± 0.58	57.67	1.61	0.74 ± 0.00
20F28776	16.2 %	0.1035239	18.82033	0.0043488	16.6044	22.3780	4.06 ± 0.69	56.57	1.21	0.38 ± 0.00
20F28777	17.6 %	0.0988413	16.03454	0.0185136	13.4861	20.0523	4.48 ± 0.81	55.01	0.99	0.36 ± 0.00
20F28779	19.0 %	0.1646722	8.73840	0.0239310	11.3092	25.3457	6.75 ± 1.60	48.13	0.83	0.56 ± 0.00
20F28780	20.5 %	0.0896870	14.32056	0.0049361	8.2898	15.5555	5.65 ± 1.20	51.11	0.61	0.25 ± 0.00
20F28782	21.8 %	0.0871143	13.16964	0.0232696	6.7668	14.4012	6.41 ± 1.42	49.91	0.49	0.22 ± 0.00
Σ		2.1963044	738.96071	0.6722798	1368.4156	1181.5651				

Information on Analysis	Results	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (% <i>,n</i> )	K/Ca ± 2σ
Project = MCCLAUGHRY (19-20) Sample = 84 DRBLJ 19 Material = Groundmass Location = Badger Lake Region = Eastern Cascades Analyst = Dan Miggins Irradiation = 20-OSU-04 (4B19-20) J = 0.00164859 ± 0.00000079 FCT-NM = 28.201 ± 0.023 Ma	Age Plateau	0.80982 ± 0.00771 ± 0.95% Full External Error ± 0.13 Analytical Error ± 0.02	2.44 ± 0.02 ± 0.96%	0.94 49% 1.94 1.0000	73.82 10 2σ Confidence Limit Error Magnification	0.75 ± 0.15
	Total Fusion Age	0.86345 ± 0.01225 ± 1.42% Full External Error ± 0.14 Analytical Error ± 0.04	2.60 ± 0.04 ± 1.42%		29	0.80 ± 0.00

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
20F28743	0.5 %		55.57 ± 0.97	311.70 ± 6.06	0.8709
20F28745	0.7 %		130.24 ± 6.83	327.38 ± 19.77	0.8632
20F28746	0.9 %		181.78 ± 20.29	342.76 ± 44.22	0.8623
20F28748	1.1 %		71.98 ± 5.21	301.88 ± 25.63	0.8343
20F28749	1.3 %		231.78 ± 16.07	343.70 ± 27.33	0.8696
20F28751	1.5 %		191.08 ± 7.73	332.29 ± 15.36	0.8719
20F28752	1.8 %		468.94 ± 15.04	404.31 ± 14.25	0.9088
20F28753	2.2 %		722.68 ± 29.70	518.07 ± 22.57	0.9429
20F28755	2.6 %		660.57 ± 22.41	580.30 ± 20.63	0.9538
20F28756	3.1 %		1055.84 ± 43.69	912.16 ± 38.49	0.9803
20F28757	3.6 %	✓	610.34 ± 9.45	687.69 ± 10.92	0.9723
20F28759	4.1 %	✓	1507.11 ± 45.09	1387.49 ± 41.85	0.9912
20F28760	4.7 %	✓	1797.80 ± 59.06	1623.47 ± 53.65	0.9935
20F28761	5.3 %	✓	2076.35 ± 66.41	1850.04 ± 59.43	0.9951
20F28763	6.0 %	✓	2056.71 ± 57.28	1833.44 ± 51.26	0.9954
20F28764	6.8 %	✓	2612.15 ± 685.55	2307.13 ± 605.54	0.9999
20F28765	7.5 %	✓	1720.76 ± 48.47	1521.15 ± 43.14	0.9924
20F28767	8.3 %	✓	1269.86 ± 30.71	1184.08 ± 28.92	0.9890
20F28768	9.1 %	✓	941.28 ± 23.04	939.08 ± 23.34	0.9836
20F28769	10.1 %	✓	661.16 ± 14.08	713.10 ± 15.59	0.9728
20F28771	11.2 %		436.04 ± 7.86	559.47 ± 10.50	0.9572
20F28772	12.4 %		317.57 ± 5.36	499.47 ± 8.87	0.9472
20F28773	13.6 %		230.47 ± 3.75	424.71 ± 7.44	0.9241
20F28775	14.9 %		189.12 ± 3.24	391.98 ± 7.27	0.9195
20F28776	16.2 %		160.39 ± 3.01	382.01 ± 7.81	0.9112
20F28777	17.6 %		136.44 ± 2.51	368.72 ± 7.52	0.8937
20F28779	19.0 %		68.68 ± 0.86	319.77 ± 4.45	0.8847
20F28780	20.5 %		92.43 ± 2.00	339.29 ± 8.15	0.8880
20F28782	21.8 %		77.68 ± 1.70	331.16 ± 8.13	0.8792

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron No Convergence	202.07 ± 22.58 ± 11.17%	0.78388 ± 0.01778 ± 2.27%	2.36 ± 0.05 ± 2.27% Full External Error ± 0.13 Analytical Error ± 0.05	20.16 0%
Statistics	2σ Confidence Limit Error Magnification Number of Data Points	2.00 4.4898 10	Convergence Number of Iterations Calculated Line	0.000019664113 100 Weighted York-2

Inverse Isochron		39(k)/40(a+r) ± 2σ		36(a)/40(a+r) ± 2σ	r.i.
20F28743	0.5 %		0.1782828 ± 0.0017063	0.00320825 ± 0.00006240	0.4455
20F28745	0.7 %		0.3978199 ± 0.0121276	0.00305460 ± 0.00018445	0.4952
20F28746	0.9 %		0.5303545 ± 0.0346511	0.00291752 ± 0.00037638	0.5014
20F28748	1.1 %		0.2384479 ± 0.0111692	0.00331261 ± 0.00028129	0.5241
20F28749	1.3 %		0.6743863 ± 0.0264783	0.00290954 ± 0.00023140	0.4903
20F28751	1.5 %		0.5750430 ± 0.0130194	0.00300943 ± 0.00013914	0.4840
20F28752	1.8 %		1.1598562 ± 0.0170568	0.00247335 ± 0.00008719	0.4146
20F28753	2.2 %		1.3949556 ± 0.0202375	0.00193025 ± 0.00008408	0.3313
20F28755	2.6 %		1.1383221 ± 0.0121631	0.00172325 ± 0.00006126	0.2981
20F28756	3.1 %		1.1575232 ± 0.0096554	0.00109630 ± 0.00004625	0.1953
20F28757	3.6 %	✓	0.8875185 ± 0.0032961	0.00145414 ± 0.00002309	0.2218
20F28759	4.1 %	✓	1.0862141 ± 0.0043407	0.00072073 ± 0.00002174	0.1264
20F28760	4.7 %	✓	1.1073844 ± 0.0041542	0.00061597 ± 0.00002035	0.1078
20F28761	5.3 %	✓	1.1223241 ± 0.0035526	0.00054053 ± 0.00001736	0.0920
20F28763	6.0 %	✓	1.1217771 ± 0.0030116	0.00054542 ± 0.00001525	0.0873
20F28764	6.8 %	✓	1.1322107 ± 0.0034863	0.00043344 ± 0.00011376	0.0108
20F28765	7.5 %	✓	1.1312230 ± 0.0039348	0.00065740 ± 0.00001864	0.1157
20F28767	8.3 %	✓	1.0724443 ± 0.0038799	0.00084454 ± 0.00002063	0.1404
20F28768	9.1 %	✓	1.0023486 ± 0.0044872	0.00106487 ± 0.00002647	0.1734
20F28769	10.1 %	✓	0.9271558 ± 0.0046915	0.00140233 ± 0.00003065	0.2245
20F28771	11.2 %		0.7793827 ± 0.0042321	0.00178741 ± 0.00003355	0.2807
20F28772	12.4 %		0.6358142 ± 0.0036216	0.00200213 ± 0.00003557	0.3110
20F28773	13.6 %		0.5426610 ± 0.0036306	0.00235455 ± 0.00004123	0.3713
20F28775	14.9 %		0.4824725 ± 0.0035193	0.00255116 ± 0.00004734	0.3817
20F28776	16.2 %		0.4198606 ± 0.0035363	0.00261771 ± 0.00005352	0.3995
20F28777	17.6 %		0.3700384 ± 0.0033886	0.00271206 ± 0.00005534	0.4339
20F28779	19.0 %		0.2147727 ± 0.0013956	0.00312729 ± 0.00004357	0.4304
20F28780	20.5 %		0.2724227 ± 0.0030104	0.00294732 ± 0.00007081	0.4383
20F28782	21.8 %		0.2345577 ± 0.0027446	0.00301965 ± 0.00007411	0.4511

Results	40(a)/36(a) ± 2σ		40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron Error Chron	201.07 ± 21.60 ± 10.74%		0.78621 ± 0.01681 ± 2.14%	2.37 ± 0.05 ± 2.14%	19.08 0%
Full External Error ± 0.13 Analytical Error ± 0.05					
Statistics	2σ Confidence Limit	2.00	Convergence	0.0003930617	
	Error Magnification	4.3684	Number of Iterations	5	
	Number of Data Points	10	Calculated Line	Weighted York-2	
	Spreading Factor	19.2%			

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
20F28743	0.5 %	0.1156821	0.86	0.0000000	0.00	0.0004489	0.86	0.0000006	70.16	1.66071	0.84	0.0218061	0.87	0.0000000	0.00	0.077637	0.17	0.0002989	9.67	0.0150290	70.16	6.4285	0.15	0.0010670	1.25	16.8718	12.56	19.18588	11.01	0.0000000	0.00	0.0039021	9.65
20F28745	0.7 %	0.0331929	2.61	0.0000000	0.00	0.0003051	1.16	0.0000006	62.13	1.12865	1.15	0.0062569	2.62	0.0000000	0.00	0.052208	0.23	0.0002032	9.70	0.0159311	62.14	4.3229	0.21	0.0007252	1.47	5.3615	11.99	5.50504	11.29	0.0000000	0.00	0.0026240	9.65
20F28746	0.9 %	0.0147256	5.57	0.0000000	0.00	0.0001986	1.87	0.0000005	83.28	0.73458	1.87	0.0027758	5.57	0.0000000	0.00	0.032328	0.34	0.0001322	9.81	0.0127439	83.29	2.6769	0.33	0.0004720	2.08	2.6051	13.15	2.44224	12.31	0.0000000	0.00	0.0016249	9.66
20F28748	1.1 %	0.0238015	3.58	0.0000000	0.00	0.0001053	3.59	0.0000003	154.69	0.38972	3.58	0.0044866	3.58	0.0000000	0.00	0.020691	0.53	0.0000702	10.28	0.0068969	154.69	1.7133	0.52	0.0002504	3.70	3.2376	14.96	3.94747	11.55	0.0000000	0.00	0.0010400	9.66
20F28749	1.3 %	0.0243749	3.46	0.0000000	0.00	0.0001856	1.93	0.0000010	46.65	0.68660	1.92	0.0045947	3.47	0.0000000	0.00	0.068232	0.19	0.0001236	9.82	0.0237353	46.66	5.6497	0.16	0.0004411	2.13	4.3350	11.38	4.04257	11.51	0.0000000	0.00	0.0034294	9.65
20F28751	1.5 %	0.0438222	2.02	0.0000000	0.00	0.0006670	0.61	0.0000017	25.36	2.46776	0.58	0.0082605	2.03	0.0000000	0.00	0.101127	0.15	0.0004442	9.65	0.0412371	25.38	8.3735	0.12	0.0015855	1.09	7.2937	11.35	7.26790	11.16	0.0000000	0.00	0.0050827	9.65
20F28752	1.8 %	0.0555466	1.60	0.0000000	0.00	0.0020302	0.30	0.0000048	9.25	7.51088	0.24	0.0104705	1.61	0.0000000	0.00	0.314583	0.11	0.0013520	9.63	0.1177658	9.30	26.0481	0.06	0.0048257	0.95	13.2457	7.82	9.21240	11.10	0.0000000	0.00	0.0158112	9.65
20F28753	2.2 %	0.0437660	2.05	0.0000000	0.00	0.0029597	0.26	0.0000051	8.42	10.94964	0.19	0.0082499	2.06	0.0000000	0.00	0.381981	0.10	0.0019709	9.63	0.1273439	8.47	31.6288	0.05	0.0070351	0.94	15.4151	5.37	7.25859	11.17	0.0000000	0.00	0.0191987	9.65
20F28755	2.6 %	0.0530926	1.70	0.0000000	0.00	0.0036505	0.25	0.0000046	9.86	13.50545	0.18	0.0100080	1.70	0.0000000	0.00	0.423555	0.10	0.0024310	9.63	0.1133330	9.91	35.0712	0.05	0.0086773	0.94	22.0041	4.51	8.80541	11.11	0.0000000	0.00	0.0212882	9.65
20F28756	3.1 %	0.0433855	2.07	0.0000000	0.00	0.0050163	0.24	0.0000025	16.96	18.55821	0.17	0.0081782	2.07	0.0000000	0.00	0.553226	0.10	0.0033405	9.63	0.0619307	16.98	45.8083	0.05	0.0119237	0.94	32.3789	2.53	7.19549	11.17	0.0000000	0.00	0.0278056	9.65
20F28757	3.6 %	✓ 0.1322941	0.77	0.0000000	0.00	0.0041625	0.26	0.0000013	34.76	15.39961	0.20	0.0249374	0.79	0.0000000	0.00	0.975147	0.10	0.0027719	9.63	0.0332793	34.77	80.7442	0.04	0.0098943	0.94	69.0365	3.51	21.94097	11.01	0.0000000	0.00	0.0490117	9.65
20F28759	4.1 %	✓ 0.0607747	1.50	0.0000000	0.00	0.0105827	0.23	0.0000000	0.00	39.15176	0.15	0.0114560	1.50	0.0000000	0.00	1.106181	0.10	0.0070473	9.63	0.0000000	0.00	91.5940	0.04	0.0251550	0.93	74.2446	1.52	10.07948	11.08	0.0000000	0.00	0.0555976	9.65
20F28760	4.7 %	✓ 0.0554383	1.64	0.0000000	0.00	0.0105861	0.23	0.0000000	0.00	39.16417	0.15	0.0104501	1.65	0.0000000	0.00	1.203680	0.10	0.0070496	9.63	0.0000000	0.00	99.6672	0.04	0.0251630	0.93	80.8079	1.28	9.19445	11.10	0.0000000	0.00	0.0604980	9.65
20F28761	5.3 %	✓ 0.0582248	1.60	0.0000000	0.00	0.0148530	0.22	0.0000000	0.00	54.95023	0.15	0.0109754	1.61	0.0000000	0.00	1.460047	0.10	0.0098910	9.63	0.0000000	0.00	120.8948	0.04	0.0353055	0.93	98.0617	1.11	9.65658	11.10	0.0000000	0.00	0.0733832	9.65
20F28763	6.0 %	✓ 0.0702894	1.39	0.0000000	0.00	0.0191132	0.23	0.0000000	0.00	70.71113	0.15	0.0132495	1.40	0.0000000	0.00	1.745909	0.10	0.0127280	9.63	0.0000000	0.00	144.5648	0.04	0.0454319	0.93	117.2138	1.11	11.65749	11.07	0.0000000	0.00	0.0877508	9.65
20F28764	6.8 %	✓ 0.0482803	13.12	0.0000000	0.00	0.0252497	0.22	0.0000000	0.00	93.41373	0.14	0.0091008	13.12	0.0000000	0.00	1.523098	0.10	0.0168145	9.63	0.0000000	0.00	126.1156	0.04	0.0600183	0.93	103.3815	1.33	8.00730	17.11	0.0000000	0.00	0.0765522	9.65
20F28765	7.5 %	✓ 0.0640224	1.41	0.0000000	0.00	0.0174540	0.22	0.0000000	0.00	64.57280	0.14	0.0120682	1.42	0.0000000	0.00	1.330487	0.10	0.0116231	9.63	0.0000000	0.00	110.1670	0.04	0.0414880	0.93	86.7694	1.37	10.61811	11.07	0.0000000	0.00	0.0668714	9.65
20F28767	8.3 %	✓ 0.0788837	1.21	0.0000000	0.00	0.0178747	0.22	0.0000000	0.00	66.12897	0.15	0.0148696	1.22	0.0000000	0.00	1.209766	0.10	0.0119032	9.63	0.0000000	0.00	100.1711	0.04	0.0424879	0.93	80.3216	1.81	13.08285	11.05	0.0000000	0.00	0.0608039	9.65
20F28768	9.1 %	✓ 0.0797184	1.22	0.0000000	0.00	0.0148925	0.22	0.0000000	0.00	55.09623	0.15	0.0150269	1.23	0.0000000	0.00	0.906228	0.10	0.0099173	9.63	0.0000000	0.00	75.0375	0.04	0.0353993	0.93	61.6404	2.38	13.22129	11.05	0.0000000	0.00	0.0455478	9.65
20F28769	10.1 %	✓ 0.0924854	1.06	0.0000000	0.00	0.0063343	0.25	0.0000000	0.00	23.43425	0.18	0.0174335	1.08	0.0000000	0.00	0.738476	0.10	0.0042182	9.63	0.0000000	0.00	61.1473	0.04	0.0150565	0.94	50.6128	3.36	15.33871	11.03	0.0000000	0.00	0.0371164	9.65
20F28771	11.2 %	0.1098198	0.90	0.0000000	0.00	0.0058396	0.24	0.0000000	0.00	21.60414	0.17	0.0207010	0.91	0.0000000	0.00	0.578316	0.10	0.0038887	9.63	0.0000000	0.00	47.8858	0.05	0.0138807	0.94	43.2270	4.66	18.21361	11.02	0.0000000	0.00	0.0290667	9.65
20F28772	12.4 %	0.1171553	0.84	0.0000000	0.00	0.0106214	0.23	0.0000001	558.62	39.29492	0.15	0.0220838	0.86	0.0000000	0.00	0.449324	0.10	0.0070731	9.63	0.0020094	558.62	37.2049	0.05	0.0252470	0.93	39.0852	5.49	19.43021	11.01	0.0000000	0.00	0.0225834	9.65
20F28773	13.6 %	0.1172473	0.81	0.0000000	0.00	0.0039578	0.26	0.0000001	565.78	14.64224	0.20	0.0221011	0.83	0.0000000	0.00	0.326349	0.11	0.0026356	9.63	0.0017898	565.78	27.0224	0.06	0.0094076	0.94	30.3506	7.07	19.44547	11.01	0.0000000	0.00	0.0164026	9.65
20F28775	14.9 %	0.1164420	0.86	0.0000000	0.00	0.0034384	0.28	0.0000010	42.93	12.72086	0.22	0.0219493	0.87	0.0000000	0.00	0.265952	0.11	0.0022898	9.63	0.0242556	42.94	22.0214	0.06	0.0081732	0.95	26.3308	8.10	19.31191	11.01	0.0000000	0.00	0.0133670	9.65
20F28776	16.2 %	0.1035239	0.93	0.0000000	0.00	0.0050871	0.24	0.0000002	241.48	18.82033	0.17	0.0195143	0.95	0.0000000	0.00	0.200532	0.12	0.0033877	9.63	0.0043488	241.48	16.6044	0.07	0.0120921	0.94	22.3780	8.49	17.16944	11.02	0.0000000	0.00	0.0100789	9.65
20F28777	17.6 %	0.0988413	0.92	0.0000000	0.00	0.0043341	0.24	0.0000008	57.00	16.03454	0.17	0.0186316	0.93	0.0000000	0.00	0.162872	0.12	0.0028862	9.63	0.0185136	57.01	13.4861	0.08	0.0103022	0.94	20.0523	9.04	16.39283	11.02	0.0000000	0.00	0.0081861	9.65
20F28779	19.0 %	0.1646722	0.62	0.0000000	0.00	0.0023620	0.30	0.0000010	43.73	8.73840	0.25	0.0310407	0.64	0.0000000	0.00	0.136581	0.13	0.0015729	9.63	0.0239310	43.74	11.3092	0.09	0.0056144	0.95	25.3457	11.87	27.31088	11.00	0.0000000	0.00	0.0068647	9.65
20F28780	20.5 %	0.0896870	1.07	0.0000000	0.00	0.0038708	0.25	0.0000002	208.30	14.32056	0.18	0.0169060	1.09	0.0000000	0.00	0.100116	0.15	0.0025777	9.63	0.0049361	208.30	8.2898	0.12	0.0092010	0.94	15.5555	10.60	14.87459	11.03	0.0000000	0.00	0.0050319	9.65
20F28782	21.8 %	0.0871143	1.09	0.0000000	0.00	0.0035598	0.25	0.0000009	45.41	13.16964	0.18	0.0164210	1.10	0.0000000	0.00	0.081723	0.16	0.0023705	9.63	0.0232696	45.42	6.7668	0.14	0.0084615	0.94	14.4012	11.13	14.44791	11.03	0.0000000	0.00	0.0041074	9.65
Σ		2.1963044	0.37	0.0000000	0.00	0.1997411	0.06	0.0000272	6.92	738.96071	0.04	0.4140034	0.37	0.0000000	0.00	16.526355	0.03	0.1330129	2.48	0.6722798	6.91	1368.4156	0.01	0.4747823	0.24	1181.5651	0.71	364.25708	2.29	0.0000000	0.00	0.8306283	2.43
Σ								2.3960726	0.34	738.96071	0.04									17.745651	0.26			1368.8904	0.01							1546.6	

Additional Parameters		40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
20F28743	0.5 %	5.608742	0.026837	0.258293	0.002209	0.018062	0.000157	24.781	1.635498	1.00017575	1.277E-12
20F28745	0.7 %	2.513885	0.038309	0.261041	0.003045	0.007748	0.000201	24.799	1.636081	1.00017588	3.848E-13
20F28746	0.9 %	1.885806	0.061585	0.274369	0.005200	0.005574	0.000307	24.808	1.636373	1.00017595	1.787E-13
20F28748	1.1 %	4.193783	0.098207	0.227439	0.008239	0.013952	0.000503	24.826	1.636957	1.00017607	2.544E-13
20F28749	1.3 %	1.483321	0.029108	0.121519	0.002346	0.004347	0.000150	24.835	1.637249	1.00017614	2.967E-13
20F28751	1.5 %	1.739278	0.019682	0.294653	0.001755	0.005312	0.000106	24.853	1.637833	1.00017626	5.157E-13
20F28752	1.8 %	0.862623	0.006338	0.288293	0.000719	0.002210	0.000034	24.862	1.638125	1.00017633	7.956E-13
20F28753	2.2 %	0.717316	0.005199	0.346115	0.000691	0.001477	0.000028	24.872	1.638439	1.00017640	8.033E-13
20F28755	2.6 %	0.878876	0.004692	0.384991	0.000706	0.001618	0.000026	24.890	1.639024	1.00017652	1.091E-12
20F28756	3.1 %	0.864296	0.003602	0.405023	0.000701	0.001056	0.000020	24.899	1.639316	1.00017659	1.402E-12
20F28757	3.6 %	✓1.127206	0.002091	0.190698	0.000388	0.001690	0.000013	24.908	1.639608	1.00017665	3.222E-12
20F28759	4.1 %	✓0.920983	0.001838	0.427331	0.000663	0.000779	0.000010	24.926	1.640193	1.00017678	2.987E-12
20F28760	4.7 %	✓0.903408	0.001692	0.392850	0.000616	0.000662	0.000009	24.935	1.640486	1.00017684	3.188E-12
20F28761	5.3 %	✓0.891355	0.001409	0.454397	0.000693	0.000604	0.000008	24.944	1.640778	1.00017691	3.816E-12
20F28763	6.0 %	✓0.891769	0.001195	0.488977	0.000769	0.000618	0.000007	24.963	1.641386	1.00017704	4.565E-12
20F28764	6.8 %	✓0.883414	0.001358	0.740347	0.001079	0.000583	0.000050	24.972	1.641679	1.00017710	3.946E-12
20F28765	7.5 %	✓0.884273	0.001536	0.585915	0.000883	0.000739	0.000008	24.981	1.641971	1.00017717	3.450E-12
20F28767	8.3 %	✓0.932661	0.001685	0.659880	0.001000	0.000966	0.000010	24.999	1.642557	1.00017729	3.309E-12
20F28768	9.1 %	✓0.997793	0.002231	0.733903	0.001116	0.001260	0.000013	25.008	1.642850	1.00017736	2.652E-12
20F28769	10.1 %	✓1.078909	0.002728	0.383148	0.000720	0.001616	0.000016	25.017	1.643143	1.00017742	2.336E-12
20F28771	11.2 %	1.283302	0.003482	0.451029	0.000794	0.002415	0.000021	25.035	1.643729	1.00017755	2.176E-12
20F28772	12.4 %	1.572326	0.004476	1.055459	0.001687	0.003432	0.000027	25.045	1.644045	1.00017762	2.072E-12
20F28773	13.6 %	1.842737	0.006162	0.541668	0.001110	0.004484	0.000035	25.054	1.644338	1.00017768	1.763E-12
20F28775	14.9 %	2.072495	0.007556	0.577446	0.001308	0.005442	0.000045	25.072	1.644925	1.00017781	1.616E-12
20F28776	16.2 %	2.380616	0.010022	1.132628	0.002092	0.006536	0.000058	25.081	1.645218	1.00017787	1.400E-12
20F28777	17.6 %	2.700966	0.012364	1.188060	0.002292	0.007645	0.000067	25.090	1.645511	1.00017793	1.290E-12
20F28779	19.0 %	4.654381	0.015120	0.772298	0.002029	0.014763	0.000092	25.108	1.646098	1.00017806	1.864E-12
20F28780	20.5 %	3.667302	0.020259	1.725569	0.003691	0.011273	0.000117	25.117	1.646392	1.00017813	1.077E-12
20F28782	21.8 %	4.258625	0.024910	1.943785	0.004332	0.013383	0.000141	25.136	1.647002	1.00017826	1.021E-12



Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
20F28743	0.5 %	0.0173601 ± 0.0007344	0.0470372 ± 0.0058316	0.0021840 ± 0.0074713	0.0034872 ± 0.0061434	4.6081572 ± 0.1632194
20F28745	0.7 %	0.0159219 ± 0.0007344	0.0313843 ± 0.0058316	0.0044500 ± 0.0074713	0.0071046 ± 0.0061434	4.3478553 ± 0.1632194
20F28746	0.9 %	0.0154809 ± 0.0007344	0.0256642 ± 0.0058316	0.0051592 ± 0.0074713	0.0089178 ± 0.0061434	4.2807828 ± 0.1632194
20F28748	1.1 %	0.0150321 ± 0.0007344	0.0176841 ± 0.0058316	0.0059021 ± 0.0074713	0.0124137 ± 0.0061434	4.2432453 ± 0.1632194
20F28749	1.3 %	0.0149797 ± 0.0007344	0.0151460 ± 0.0058316	0.0059993 ± 0.0074713	0.0140479 ± 0.0061434	4.2620052 ± 0.1632194
20F28751	1.5 %	0.0151172 ± 0.0007344	0.0123358 ± 0.0058316	0.0057899 ± 0.0074713	0.0169851 ± 0.0061434	4.3502557 ± 0.1632194
20F28752	1.8 %	0.0152709 ± 0.0007344	0.0118317 ± 0.0058316	0.0055359 ± 0.0074713	0.0182541 ± 0.0061434	4.4110605 ± 0.1632194
20F28753	2.2 %	0.0154749 ± 0.0007344	0.0117991 ± 0.0058316	0.0051875 ± 0.0074713	0.0194506 ± 0.0061434	4.4830495 ± 0.1632194
20F28755	2.6 %	0.0159003 ± 0.0007344	0.0127466 ± 0.0058316	0.0044232 ± 0.0074713	0.0211613 ± 0.0061434	4.6205459 ± 0.1632194
20F28756	3.1 %	0.0161105 ± 0.0007344	0.0135388 ± 0.0058316	0.0040225 ± 0.0074713	0.0217526 ± 0.0061434	4.6851751 ± 0.1632194
20F28757	3.6 %	0.0163049 ± 0.0007344	0.0144430 ± 0.0058316	0.0036316 ± 0.0074713	0.0221622 ± 0.0061434	4.7437408 ± 0.1632194
20F28759	4.1 %	0.0166127 ± 0.0007344	0.0163332 ± 0.0058316	0.0029348 ± 0.0074713	0.0224340 ± 0.0061434	4.8348186 ± 0.1632194
20F28760	4.7 %	0.0167127 ± 0.0007344	0.0172111 ± 0.0058316	0.0026523 ± 0.0074713	0.0223010 ± 0.0061434	4.8642697 ± 0.1632194
20F28761	5.3 %	0.0167702 ± 0.0007344	0.0179848 ± 0.0058316	0.0024262 ± 0.0074713	0.0219960 ± 0.0061434	4.8815351 ± 0.1632194
20F28763	6.0 %	0.0167421 ± 0.0007344	0.0191168 ± 0.0058316	0.0021659 ± 0.0074713	0.0208526 ± 0.0061434	4.8759988 ± 0.1632194
20F28764	6.8 %	0.0166556 ± 0.0007344	0.0193850 ± 0.0058316	0.0021504 ± 0.0074713	0.0200819 ± 0.0061434	4.8531423 ± 0.1632194
20F28765	7.5 %	0.0165228 ± 0.0007344	0.0194550 ± 0.0058316	0.0022091 ± 0.0074713	0.0191887 ± 0.0061434	4.8175932 ± 0.1632194
20F28767	8.3 %	0.0161306 ± 0.0007344	0.0189944 ± 0.0058316	0.0025462 ± 0.0074713	0.0171107 ± 0.0061434	4.7118043 ± 0.1632194
20F28768	9.1 %	0.0158808 ± 0.0007344	0.0184795 ± 0.0058316	0.0028188 ± 0.0074713	0.0159696 ± 0.0061434	4.6441281 ± 0.1632194
20F28769	10.1 %	0.0156039 ± 0.0007344	0.0177983 ± 0.0058316	0.0031538 ± 0.0074713	0.0147937 ± 0.0061434	4.5688870 ± 0.1632194
20F28771	11.2 %	0.0150038 ± 0.0007344	0.0160532 ± 0.0058316	0.0039791 ± 0.0074713	0.0124515 ± 0.0061434	4.4046679 ± 0.1632194
20F28772	12.4 %	0.0146788 ± 0.0007344	0.0149895 ± 0.0058316	0.0044863 ± 0.0074713	0.0112667 ± 0.0061434	4.3146931 ± 0.1632194
20F28773	13.6 %	0.0143931 ± 0.0007344	0.0139925 ± 0.0058316	0.0049790 ± 0.0074713	0.0102635 ± 0.0061434	4.2345819 ± 0.1632194
20F28775	14.9 %	0.0139276 ± 0.0007344	0.0122171 ± 0.0058316	0.0059649 ± 0.0074713	0.0086928 ± 0.0061434	4.0991785 ± 0.1632194
20F28776	16.2 %	0.0137803 ± 0.0007344	0.0115785 ± 0.0058316	0.0064228 ± 0.0074713	0.0082082 ± 0.0061434	4.0520749 ± 0.1632194
20F28777	17.6 %	0.0137139 ± 0.0007344	0.0112121 ± 0.0058316	0.0068311 ± 0.0074713	0.0079832 ± 0.0061434	4.0247428 ± 0.1632194
20F28779	19.0 %	0.0139050 ± 0.0007344	0.0116597 ± 0.0058316	0.0074084 ± 0.0074713	0.0085044 ± 0.0061434	4.0496006 ± 0.1632194
20F28780	20.5 %	0.0142064 ± 0.0007344	0.0126750 ± 0.0058316	0.0075277 ± 0.0074713	0.0093526 ± 0.0061434	4.1127647 ± 0.1632194
20F28782	21.8 %	0.0154011 ± 0.0007344	0.0170768 ± 0.0058316	0.0072661 ± 0.0074713	0.0126615 ± 0.0061434	4.3845584 ± 0.1632194

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)
20F28743	0.5 %	0.1262538 ± 0.0005484	0.6789	EXP	150 of 150	0.9669219 ± 0.0060888	0.7207	EXP	150 of 150	0.1124769 ± 0.0074166	0.0175	EXP	150 of 150	6.4288319 ± 0.0067407	0.9886	EXP	150 of 150	40.669788 ± 0.017783	0.9841	EXP	148 of 150
20F28745	0.7 %	0.0473327 ± 0.0003472	0.0185	EXP	150 of 150	0.6574781 ± 0.0052505	0.6586	EXP	147 of 150	0.0700778 ± 0.0064720	0.0061	EXP	146 of 150	4.3279318 ± 0.0065025	0.9758	EXP	150 of 150	15.217013 ± 0.016430	0.9757	EXP	149 of 150
20F28746	0.9 %	0.0294754 ± 0.0002281	0.5513	EXP	145 of 150	0.4225999 ± 0.0059718	0.3489	EXP	150 of 150	0.0427754 ± 0.0075200	0.0016	EXP	150 of 150	2.6845062 ± 0.0061307	0.9367	EXP	148 of 150	9.329719 ± 0.016565	0.9887	EXP	150 of 150
20F28748	1.1 %	0.0374492 ± 0.0003127	0.1598	EXP	150 of 150	0.2200524 ± 0.0062058	0.1315	EXP	150 of 150	0.0262119 ± 0.0075981	0.0009	EXP	150 of 150	1.7248188 ± 0.0064914	0.8077	EXP	149 of 150	11.429392 ± 0.016214	0.9846	EXP	150 of 150
20F28749	1.3 %	0.0380103 ± 0.0002924	0.3155	EXP	150 of 150	0.4036181 ± 0.0055271	0.3430	EXP	149 of 150	0.0905934 ± 0.0081503	0.0103	EXP	150 of 150	5.6605114 ± 0.0065283	0.9864	EXP	150 of 150	12.642994 ± 0.014830	0.9854	EXP	149 of 150
20F28751	1.5 %	0.0568351 ± 0.0003808	0.0104	EXP	150 of 150	1.4922281 ± 0.0062253	0.8750	EXP	150 of 150	0.1451349 ± 0.0072828	0.0846	EXP	149 of 150	8.3866481 ± 0.0074802	0.9923	EXP	150 of 150	18.916939 ± 0.014708	0.9478	EXP	149 of 150
20F28752	1.8 %	0.0692636 ± 0.0003881	0.0227	EXP	149 of 150	4.5666561 ± 0.0070919	0.9793	EXP	150 of 150	0.4382112 ± 0.0077719	0.2902	EXP	150 of 150	26.0541904 ± 0.0090696	0.9989	EXP	150 of 150	26.884937 ± 0.021466	0.5624	EXP	150 of 150
20F28753	2.2 %	0.0592931 ± 0.0004083	0.0040	EXP	150 of 150	6.6616018 ± 0.0069533	0.9905	EXP	150 of 150	0.5138622 ± 0.0074927	0.2998	EXP	148 of 150	31.6346546 ± 0.0095330	0.9992	EXP	147 of 150	27.175968 ± 0.016214	0.1021	EXP	147 of 150
20F28755	2.6 %	0.0691112 ± 0.0004081	0.1010	EXP	150 of 150	8.2153934 ± 0.0072098	0.9933	EXP	150 of 150	0.5443786 ± 0.0081303	0.3535	EXP	150 of 150	35.0781158 ± 0.0080331	0.9995	EXP	150 of 150	35.451389 ± 0.015055	0.9644	EXP	148 of 150
20F28756	3.1 %	0.0614980 ± 0.0004045	0.0080	EXP	150 of 150	11.2909632 ± 0.0091578	0.9945	EXP	150 of 150	0.6220544 ± 0.0071763	0.3347	EXP	150 of 150	45.8119968 ± 0.0091985	0.9996	EXP	149 of 150	44.287358 ± 0.016334	0.9893	EXP	150 of 150
20F28757	3.6 %	0.1442580 ± 0.0005834	0.6884	EXP	149 of 150	9.3643628 ± 0.0122354	0.9856	EXP	150 of 150	1.0315145 ± 0.0084144	0.6491	EXP	150 of 150	80.7234632 ± 0.0120242	0.9998	EXP	149 of 150	95.770209 ± 0.019873	0.9990	EXP	149 of 150
20F28759	4.1 %	0.0835227 ± 0.0004190	0.1859	EXP	144 of 150	23.8197090 ± 0.0131294	0.9973	EXP	150 of 150	1.0772740 ± 0.0076231	0.6613	EXP	150 of 150	91.5817523 ± 0.0150213	0.9998	EXP	146 of 150	89.214530 ± 0.020494	0.9987	EXP	150 of 150
20F28760	4.7 %	0.0786220 ± 0.0004237	0.0246	EXP	150 of 150	23.8221368 ± 0.0143034	0.9966	EXP	150 of 150	1.1522668 ± 0.0077243	0.7256	EXP	150 of 150	99.6494745 ± 0.0147654	0.9998	EXP	150 of 150	94.927095 ± 0.019769	0.9990	EXP	150 of 150
20F28761	5.3 %	0.0852934 ± 0.0004585	0.0146	EXP	150 of 150	33.4244260 ± 0.0171596	0.9976	EXP	150 of 150	1.3425912 ± 0.0084057	0.7297	EXP	150 of 150	120.8730785 ± 0.0141672	0.9999	EXP	150 of 150	112.673202 ± 0.020764	0.9993	EXP	150 of 150
20F28763	6.0 %	0.1005726 ± 0.0005325	0.0892	EXP	150 of 150	42.9993507 ± 0.0279913	0.9962	EXP	150 of 150	1.6108322 ± 0.0071600	0.8459	EXP	150 of 150	144.5365493 ± 0.0153877	0.9999	EXP	150 of 150	133.835001 ± 0.022000	0.9995	EXP	149 of 150
20F28764	6.8 %	0.0856029 ± 0.0058939	0.0040	EXP	146 of 150	56.8005132 ± 0.0140467	0.9995	EXP	148 of 150	1.4395187 ± 0.0068068	0.8317	EXP	149 of 150	126.1132251 ± 0.0231044	0.9997	EXP	150 of 150	116.318530 ± 0.019803	0.9994	EXP	147 of 150
20F28765	7.5 %	0.0929212 ± 0.0003993	0.1390	EXP	149 of 150	39.2506395 ± 0.0179880	0.9981	EXP	149 of 150	1.2462040 ± 0.0079151	0.7304	EXP	150 of 150	110.1556377 ± 0.0140518	0.9999	EXP	148 of 150	102.272012 ± 0.019689	0.9991	EXP	149 of 150
20F28767	8.3 %	0.1068584 ± 0.0004880	0.4227	EXP	150 of 150	40.1831476 ± 0.0195223	0.9977	EXP	150 of 150	1.1536146 ± 0.0074593	0.7276	EXP	150 of 150	100.1651417 ± 0.0130692	0.9998	EXP	150 of 150	98.177082 ± 0.019283	0.9991	EXP	150 of 150
20F28768	9.1 %	0.1045950 ± 0.0005260	0.3443	EXP	150 of 150	33.4704975 ± 0.0160361	0.9980	EXP	150 of 150	0.8661122 ± 0.0081564	0.5327	EXP	150 of 150	75.0397811 ± 0.0124955	0.9997	EXP	150 of 150	79.551380 ± 0.019449	0.9983	EXP	148 of 150
20F28769	10.1 %	0.1082646 ± 0.0005397	0.4147	EXP	150 of 150	14.2236335 ± 0.0162210	0.9889	EXP	150 of 150	0.7281942 ± 0.0075548	0.5205	EXP	150 of 150	61.1371535 ± 0.0110638	0.9997	EXP	150 of 150	70.557502 ± 0.018578	0.9977	EXP	150 of 150
20F28771	11.2 %	0.1234546 ± 0.0005386	0.5769	EXP	149 of 150	13.1085042 ± 0.0118281	0.9926	EXP	150 of 150	0.5906752 ± 0.0078059	0.4130	EXP	150 of 150	47.8807539 ± 0.0107729	0.9995	EXP	150 of 150	65.874363 ± 0.018817	0.9972	EXP	150 of 150
20F28772	12.4 %	0.1344918 ± 0.0005316	0.6700	EXP	150 of 150	23.8521636 ± 0.0147342	0.9964	EXP	150 of 150	0.4755447 ± 0.0082452	0.2663	EXP	150 of 150	37.2170752 ± 0.0095153	0.9994	EXP	146 of 150	62.852678 ± 0.017095	0.9973	EXP	150 of 150
20F28773	13.6 %	0.1280441 ± 0.0004736	0.6796	EXP	143 of 150	8.8779045 ± 0.0111898	0.9809	EXP	150 of 150	0.3475593 ± 0.0067563	0.1682	EXP	150 of 150	27.0243380 ± 0.0091212	0.9989	EXP	150 of 150	54.047008 ± 0.017850	0.9952	EXP	150 of 150
20F28775	14.9 %	0.1263374 ± 0.0005496	0.6589	EXP	150 of 150	7.7101147 ± 0.0117225	0.9763	EXP	150 of 150	0.3081813 ± 0.0071897	0.2159	EXP	150 of 150	22.0238059 ± 0.0087692	0.9985	EXP	150 of 150	49.755270 ± 0.016147	0.9950	EXP	148 of 150
20F28776	16.2 %	0.1156222 ± 0.0005080	0.6062	EXP	150 of 150	11.4114604 ± 0.0098569	0.9930	EXP	150 of 150	0.2211419 ± 0.0073341	0.0630	EXP	150 of 150	16.6138479 ± 0.0082645	0.9976	EXP	150 of 150	43.609628 ± 0.016013	0.9910	EXP	149 of 150
20F28777	17.6 %	0.1104596 ± 0.0003976	0.6951	EXP	146 of 150	9.7192502 ± 0.0087004	0.9930	EXP	148 of 150	0.1958781 ± 0.0074136	0.0907	EXP	150 of 150	13.4955528 ± 0.0078033	0.9968	EXP	149 of 150	40.478072 ± 0.016802	0.9854	EXP	150 of 150
20F28779	19.0 %	0.1705296 ± 0.0005706	0.8298	EXP	150 of 150	5.2892950 ± 0.0091862	0.9639	EXP	150 of 150	0.1855327 ± 0.0072912	0.0672	EXP	150 of 150	11.3158961 ± 0.0068632	0.9963	EXP	150 of 150	56.713002 ± 0.019187	0.9961	EXP	149 of 150
20F28780	20.5 %	0.1019334 ± 0.0005067	0.5818	EXP	150 of 150	8.6730216 ± 0.0078566	0.9927	EXP	150 of 150	0.1168894 ± 0.0070357	0.0004	EXP	150 of 150	8.3029538 ± 0.0071092	0.9926	EXP	150 of 150	34.547840 ± 0.017244	0.9634	EXP	150 of 150
20F28782	21.8 %	0.1004247 ± 0.0004815	0.5629	EXP	150 of 150	7.9676052 ± 0.0067879	0.9936	EXP	148 of 150	0.1163993 ± 0.0074436	0.0339	EXP	150 of 150	6.7834751 ± 0.0062955	0.9914	EXP	150 of 150	33.237818 ± 0.017670	0.9561	EXP	149 of 150

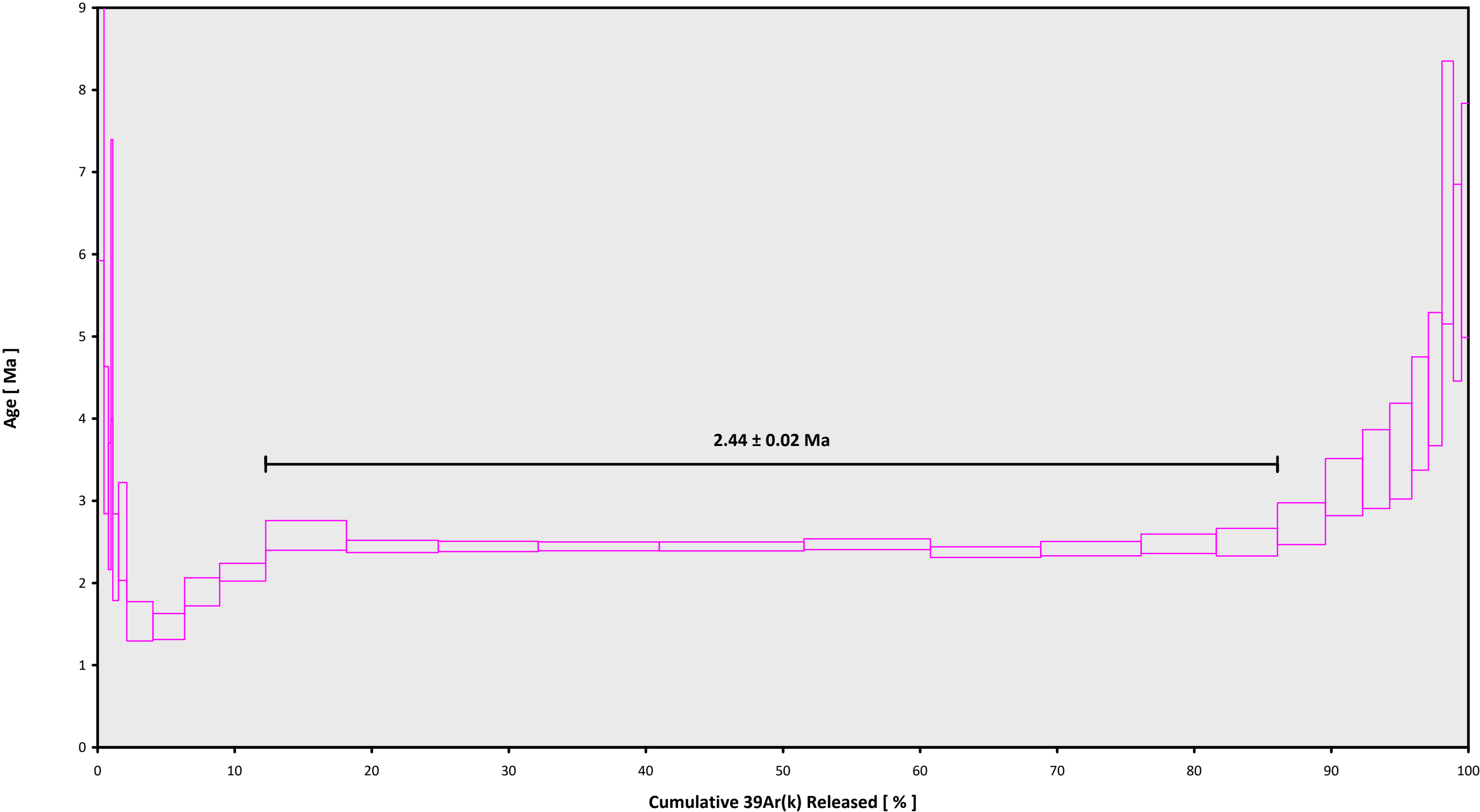


Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
20F28743	0.5 %	Dan Miggins	20-OSU-04	0.00	0.00	25.41	Oregon\McCloughry (19-20)	20F28739	01
20F28745	0.7 %	Dan Miggins	20-OSU-04	0.00	0.00	25.41	Oregon\McCloughry (19-20)	20F28739	01
20F28746	0.9 %	Dan Miggins	20-OSU-04	0.00	0.00	25.41	Oregon\McCloughry (19-20)	20F28739	01
20F28748	1.1 %	Dan Miggins	20-OSU-04	0.00	0.00	25.41	Oregon\McCloughry (19-20)	20F28739	01
20F28749	1.3 %	Dan Miggins	20-OSU-04	0.00	0.00	25.41	Oregon\McCloughry (19-20)	20F28739	01
20F28751	1.5 %	Dan Miggins	20-OSU-04	0.00	0.00	25.41	Oregon\McCloughry (19-20)	20F28739	01
20F28752	1.8 %	Dan Miggins	20-OSU-04	0.00	0.00	25.41	Oregon\McCloughry (19-20)	20F28739	01
20F28753	2.2 %	Dan Miggins	20-OSU-04	0.00	0.00	25.41	Oregon\McCloughry (19-20)	20F28739	01
20F28755	2.6 %	Dan Miggins	20-OSU-04	0.00	0.00	25.41	Oregon\McCloughry (19-20)	20F28739	01
20F28756	3.1 %	Dan Miggins	20-OSU-04	0.00	0.00	25.41	Oregon\McCloughry (19-20)	20F28739	01
20F28757	3.6 %	Dan Miggins	20-OSU-04	0.00	0.00	25.41	Oregon\McCloughry (19-20)	20F28739	01
20F28759	4.1 %	Dan Miggins	20-OSU-04	0.00	0.00	25.41	Oregon\McCloughry (19-20)	20F28739	01
20F28760	4.7 %	Dan Miggins	20-OSU-04	0.00	0.00	25.41	Oregon\McCloughry (19-20)	20F28739	01
20F28761	5.3 %	Dan Miggins	20-OSU-04	0.00	0.00	25.41	Oregon\McCloughry (19-20)	20F28739	01
20F28763	6.0 %	Dan Miggins	20-OSU-04	0.00	0.00	25.41	Oregon\McCloughry (19-20)	20F28739	01
20F28764	6.8 %	Dan Miggins	20-OSU-04	0.00	0.00	25.41	Oregon\McCloughry (19-20)	20F28739	01
20F28765	7.5 %	Dan Miggins	20-OSU-04	0.00	0.00	25.41	Oregon\McCloughry (19-20)	20F28739	01
20F28767	8.3 %	Dan Miggins	20-OSU-04	0.00	0.00	25.41	Oregon\McCloughry (19-20)	20F28739	01
20F28768	9.1 %	Dan Miggins	20-OSU-04	0.00	0.00	25.41	Oregon\McCloughry (19-20)	20F28739	01
20F28769	10.1 %	Dan Miggins	20-OSU-04	0.00	0.00	25.41	Oregon\McCloughry (19-20)	20F28739	01
20F28771	11.2 %	Dan Miggins	20-OSU-04	0.00	0.00	25.41	Oregon\McCloughry (19-20)	20F28739	01
20F28772	12.4 %	Dan Miggins	20-OSU-04	0.00	0.00	25.41	Oregon\McCloughry (19-20)	20F28739	01
20F28773	13.6 %	Dan Miggins	20-OSU-04	0.00	0.00	25.41	Oregon\McCloughry (19-20)	20F28739	01
20F28775	14.9 %	Dan Miggins	20-OSU-04	0.00	0.00	25.41	Oregon\McCloughry (19-20)	20F28739	01
20F28776	16.2 %	Dan Miggins	20-OSU-04	0.00	0.00	25.41	Oregon\McCloughry (19-20)	20F28739	01
20F28777	17.6 %	Dan Miggins	20-OSU-04	0.00	0.00	25.41	Oregon\McCloughry (19-20)	20F28739	01
20F28779	19.0 %	Dan Miggins	20-OSU-04	0.00	0.00	25.41	Oregon\McCloughry (19-20)	20F28739	01
20F28780	20.5 %	Dan Miggins	20-OSU-04	0.00	0.00	25.41	Oregon\McCloughry (19-20)	20F28739	01
20F28782	21.8 %	Dan Miggins	20-OSU-04	0.00	0.00	25.41	Oregon\McCloughry (19-20)	20F28739	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
20F28743	0.5 %	84 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B19-20)	28.201	0.082	Kuiper et al (2008)	9.41742	0.048	0.00164859	0.048	299.131	0.116	0.99952217	0.039	1	3.54E-14	26	OCT	2020	10	21	1
20F28745	0.7 %	84 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B19-20)	28.201	0.082	Kuiper et al (2008)	9.41742	0.048	0.00164859	0.048	299.131	0.116	0.99952217	0.039	1	3.54E-14	26	OCT	2020	10	47	1
20F28746	0.9 %	84 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B19-20)	28.201	0.082	Kuiper et al (2008)	9.41742	0.048	0.00164859	0.048	299.131	0.116	0.99952217	0.039	1	3.54E-14	26	OCT	2020	11	0	1
20F28748	1.1 %	84 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B19-20)	28.201	0.082	Kuiper et al (2008)	9.41742	0.048	0.00164859	0.048	299.131	0.116	0.99952217	0.039	1	3.54E-14	26	OCT	2020	11	26	1
20F28749	1.3 %	84 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B19-20)	28.201	0.082	Kuiper et al (2008)	9.41742	0.048	0.00164859	0.048	299.131	0.116	0.99952217	0.039	1	3.54E-14	26	OCT	2020	11	39	1
20F28751	1.5 %	84 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B19-20)	28.201	0.082	Kuiper et al (2008)	9.41742	0.048	0.00164859	0.048	299.131	0.116	0.99952217	0.039	1	3.54E-14	26	OCT	2020	12	5	1
20F28752	1.8 %	84 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B19-20)	28.201	0.082	Kuiper et al (2008)	9.41742	0.048	0.00164859	0.048	299.131	0.116	0.99952217	0.039	1	3.54E-14	26	OCT	2020	12	18	1
20F28753	2.2 %	84 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B19-20)	28.201	0.082	Kuiper et al (2008)	9.41742	0.048	0.00164859	0.048	299.131	0.116	0.99952217	0.039	1	3.54E-14	26	OCT	2020	12	32	1
20F28755	2.6 %	84 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B19-20)	28.201	0.082	Kuiper et al (2008)	9.41742	0.048	0.00164859	0.048	299.131	0.116	0.99952217	0.039	1	3.54E-14	26	OCT	2020	12	58	1
20F28756	3.1 %	84 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B19-20)	28.201	0.082	Kuiper et al (2008)	9.41742	0.048	0.00164859	0.048	299.131	0.116	0.99952217	0.039	1	3.54E-14	26	OCT	2020	13	11	1
20F28757	3.6 %	84 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B19-20)	28.201	0.082	Kuiper et al (2008)	9.41742	0.048	0.00164859	0.048	299.131	0.116	0.99952217	0.039	1	3.54E-14	26	OCT	2020	13	24	1
20F28759	4.1 %	84 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B19-20)	28.201	0.082	Kuiper et al (2008)	9.41742	0.048	0.00164859	0.048	299.131	0.116	0.99952217	0.039	1	3.54E-14	26	OCT	2020	13	50	1
20F28760	4.7 %	84 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B19-20)	28.201	0.082	Kuiper et al (2008)	9.41742	0.048	0.00164859	0.048	299.131	0.116	0.99952217	0.039	1	3.54E-14	26	OCT	2020	14	3	1
20F28761	5.3 %	84 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B19-20)	28.201	0.082	Kuiper et al (2008)	9.41742	0.048	0.00164859	0.048	299.131	0.116	0.99952217	0.039	1	3.54E-14	26	OCT	2020	14	16	1
20F28763	6.0 %	84 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B19-20)	28.201	0.082	Kuiper et al (2008)	9.41742	0.048	0.00164859	0.048	299.131	0.116	0.99952217	0.039	1	3.54E-14	26	OCT	2020	14	43	1
20F28764	6.8 %	84 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B19-20)	28.201	0.082	Kuiper et al (2008)	9.41742	0.048	0.00164859	0.048	299.131	0.116	0.99952217	0.039	1	3.54E-14	26	OCT	2020	14	56	1
20F28765	7.5 %	84 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B19-20)	28.201	0.082	Kuiper et al (2008)	9.41742	0.048	0.00164859	0.048	299.131	0.116	0.99952217	0.039	1	3.54E-14	26	OCT	2020	15	9	1
20F28767	8.3 %	84 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B19-20)	28.201	0.082	Kuiper et al (2008)	9.41742	0.048	0.00164859	0.048	299.131	0.116	0.99952217	0.039	1	3.54E-14	26	OCT	2020	15	35	1
20F28768	9.1 %	84 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B19-20)	28.201	0.082	Kuiper et al (2008)	9.41742	0.048	0.00164859	0.048	299.131	0.116	0.99952217	0.039	1	3.54E-14	26	OCT	2020	15	48	1
20F28769	10.1 %	84 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B19-20)	28.201	0.082	Kuiper et al (2008)	9.41742	0.048	0.00164859	0.048	299.131	0.116	0.99952217	0.039	1	3.54E-14	26	OCT	2020	16	1	1
20F28771	11.2 %	84 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B19-20)	28.201	0.082	Kuiper et al (2008)	9.41742	0.048	0.00164859	0.048	299.131	0.116	0.99952217	0.039	1	3.54E-14	26	OCT	2020	16	27	1
20F28772	12.4 %	84 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B19-20)	28.201	0.082	Kuiper et al (2008)	9.41742	0.048	0.00164859	0.048	299.131	0.116	0.99952217	0.039	1	3.54E-14	26	OCT	2020	16	41	1
20F28773	13.6 %	84 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B19-20)	28.201	0.082	Kuiper et al (2008)	9.41742	0.048	0.00164859	0.048	299.131	0.116	0.99952217	0.039	1	3.54E-14	26	OCT	2020	16	54	1
20F28775	14.9 %	84 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B19-20)	28.201	0.082	Kuiper et al (2008)	9.41742	0.048	0.00164859	0.048	299.131	0.116	0.99952217	0.039	1	3.54E-14	26	OCT	2020	17	20	1
20F28776	16.2 %	84 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B19-20)	28.201	0.082	Kuiper et al (2008)	9.41742	0.048	0.00164859	0.048	299.131	0.116	0.99952217	0.039	1	3.54E-14	26	OCT	2020	17	33	1
20F28777	17.6 %	84 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B19-20)	28.201	0.082	Kuiper et al (2008)	9.41742	0.048	0.00164859	0.048	299.131	0.116	0.99952217	0.039	1	3.54E-14	26	OCT	2020	17	46	1
20F28779	19.0 %	84 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B19-20)	28.201	0.082	Kuiper et al (2008)	9.41742	0.048	0.00164859	0.048	299.131	0.116	0.99952217	0.039	1	3.54E-14	26	OCT	2020	18	12	1
20F28780	20.5 %	84 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B19-20)	28.201	0.082	Kuiper et al (2008)	9.41742	0.048	0.00164859	0.048	299.131	0.116	0.99952217	0.039	1	3.54E-14	26	OCT	2020	18	25	1
20F28782	21.8 %	84 DRBLJ 19	Groundmass	Badger Lake	FCT-NM (4B19-20)	28.201	0.082	Kuiper et al (2008)	9.41742	0.048	0.00164859	0.048	299.131	0.116	0.99952217	0.039	1	3.54E-14	26	OCT	2020	18	52	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
20F28743	0.5 %	165.85	10.98	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
20F28745	0.7 %	165.85	10.98	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
20F28746	0.9 %	165.85	10.98	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
20F28748	1.1 %	165.85	10.98	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
20F28749	1.3 %	165.85	10.98	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
20F28751	1.5 %	165.85	10.98	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
20F28752	1.8 %	165.85	10.98	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
20F28753	2.2 %	165.85	10.98	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
20F28755	2.6 %	165.85	10.98	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
20F28756	3.1 %	165.85	10.98	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
20F28757	3.6 %	165.85	10.98	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
20F28759	4.1 %	165.85	10.98	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
20F28760	4.7 %	165.85	10.98	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
20F28761	5.3 %	165.85	10.98	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
20F28763	6.0 %	165.85	10.98	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
20F28764	6.8 %	165.85	10.98	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
20F28765	7.5 %	165.85	10.98	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
20F28767	8.3 %	165.85	10.98	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
20F28768	9.1 %	165.85	10.98	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
20F28769	10.1 %	165.85	10.98	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
20F28771	11.2 %	165.85	10.98	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
20F28772	12.4 %	165.85	10.98	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
20F28773	13.6 %	165.85	10.98	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
20F28775	14.9 %	165.85	10.98	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
20F28776	16.2 %	165.85	10.98	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
20F28777	17.6 %	165.85	10.98	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
20F28779	19.0 %	165.85	10.98	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
20F28780	20.5 %	165.85	10.98	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
20F28782	21.8 %	165.85	10.98	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

20F28739.AGE >>> 84 DRBLJ 19 >>> OREGON | MCCLAUGHRY (19-20) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

$2.44 \pm 0.02$

TOTAL FUSION

$2.60 \pm 0.04$

NORMAL ISOCHRON

$2.36 \pm 0.05$

INVERSE ISOCHRON

$2.37 \pm 0.05$

MSWD (PROBABILITY)

0.94 (49%)

Sample Info

Groundmass

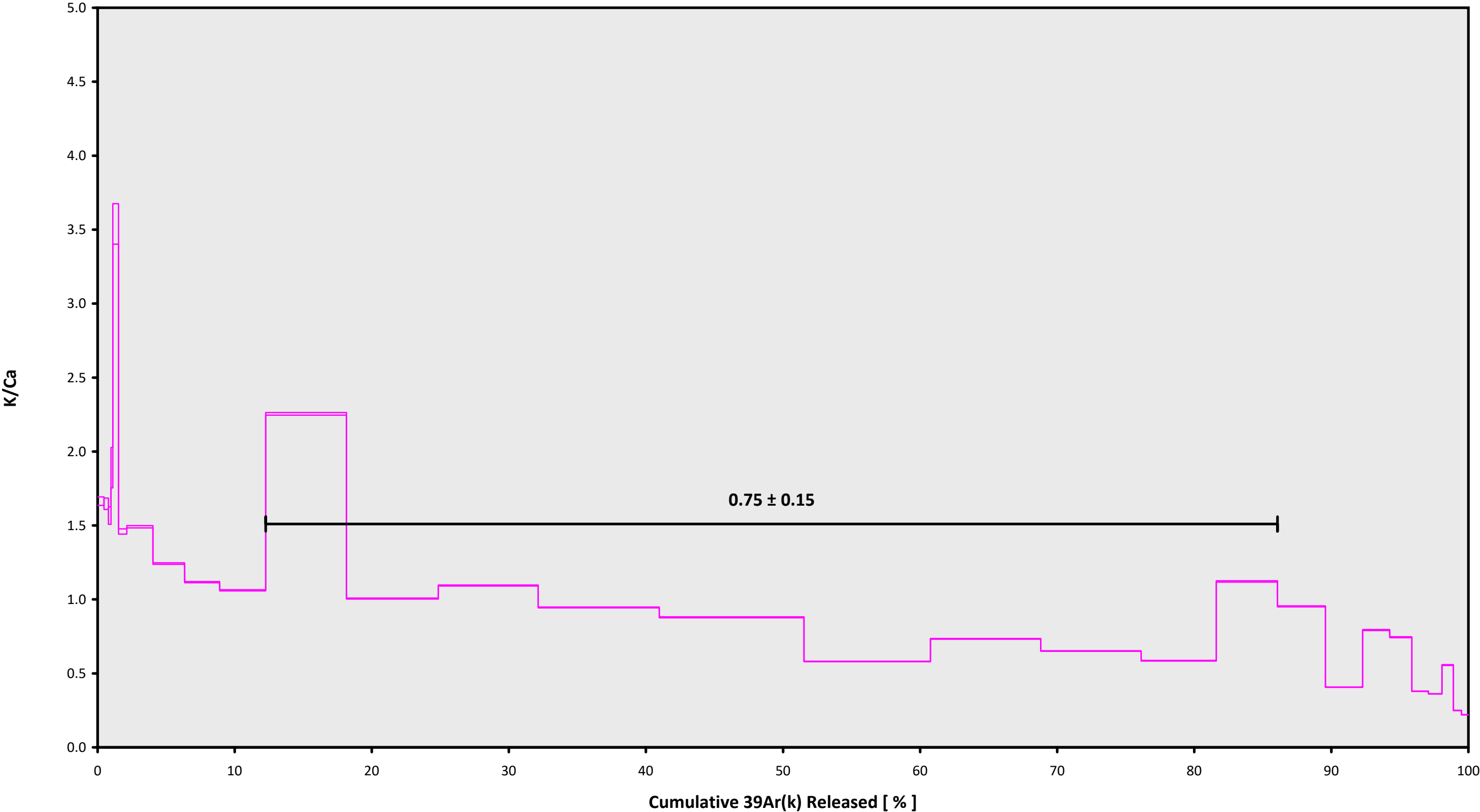
Badger Lake

Dan Miggins

IRR = 20-OSU-04 (4B19-20)

$J = 0.00164859 \pm 0.00000079$

20F28739.AGE >>> 84 DRBLJ 19 >>> OREGON | MCCLAUGHRY (19-20) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

$2.44 \pm 0.02$

TOTAL FUSION

$2.60 \pm 0.04$

NORMAL ISOCHRON

$2.36 \pm 0.05$

INVERSE ISOCHRON

$2.37 \pm 0.05$

Sample Info

Groundmass

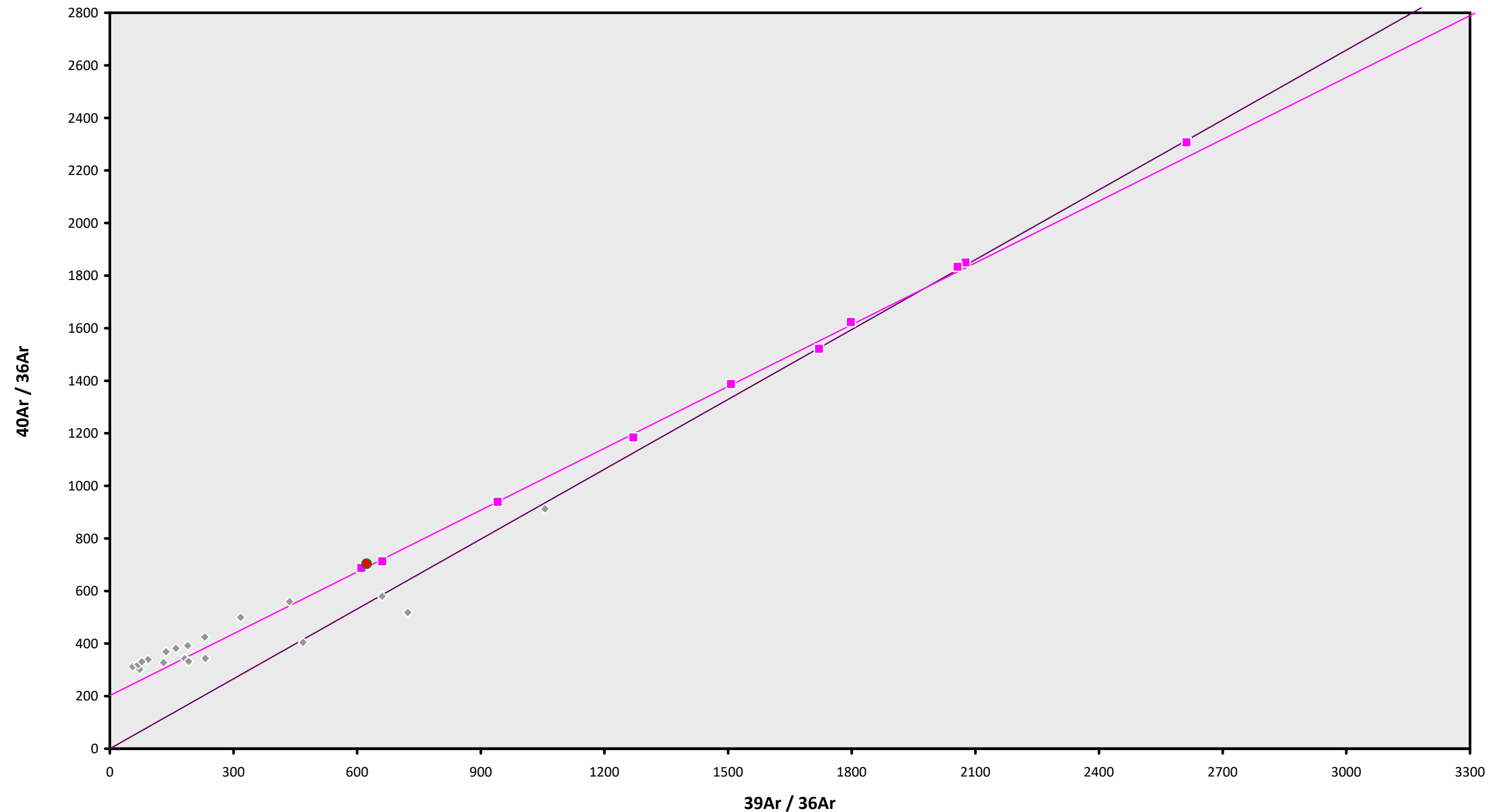
Badger Lake

Dan Miggins

IRR = 20-OSU-04 (4B19-20)

$J = 0.00164859 \pm 0.00000079$

20F28739.AGE >>> 84 DRBLJ 19 >>> OREGON | MCCLAUGHRY (19-20) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

$2.44 \pm 0.02$

TOTAL FUSION

$2.60 \pm 0.04$

NORMAL ISOCHRON

$2.36 \pm 0.05$

INVERSE ISOCHRON

$2.37 \pm 0.05$

MSWD (PROBABILITY)

20.16 (0%)

40AR/36AR INTERCEPT

$202.1 \pm 22.6$

Sample Info

Groundmass

Badger Lake

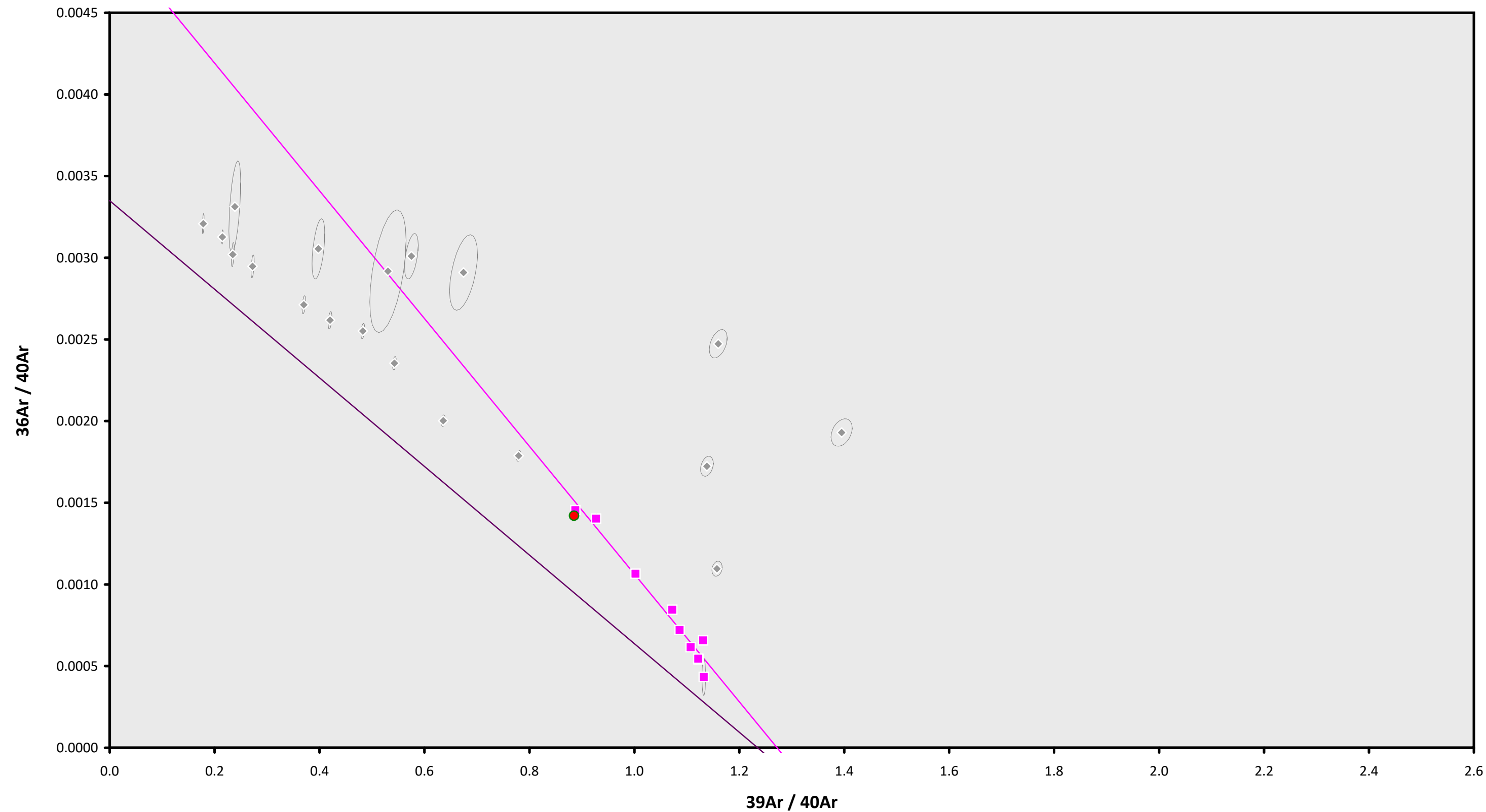
Dan Miggins

IRR = 20-OSU-04 (4B19-20)

$J = 0.00164859 \pm 0.00000079$



20F28739.AGE >>> 84 DRBLJ 19 >>> OREGON | MCCLAUGHRY (19-20) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

$2.44 \pm 0.02$

TOTAL FUSION

$2.60 \pm 0.04$

NORMAL ISOCHRON

$2.36 \pm 0.05$

INVERSE ISOCHRON

$2.37 \pm 0.05$

MSWD (PROBABILITY)

19.08 (0%)

SPREADING FACTOR

19.2%

40AR/36AR INTERCEPT

$201.1 \pm 21.6$

Sample Info

Groundmass

Badger Lake

Dan Miggins

IRR = 20-OSU-04 (4B19-20)

$J = 0.00164859 \pm 0.00000079$