

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
18D25361	1.8 %	0.0664988	1.108	7.1735	5.613	0.127757	18.657	7.3720	0.305	32.8053	0.146	1.86296 ± 0.06220	5.32 ± 0.18	41.84	0.47	0.442 ± 0.050
18D25363	1.9 %	0.0693847	1.067	15.7324	2.588	0.215429	11.775	14.0898	0.180	50.1667	0.098	2.19562 ± 0.03313	6.27 ± 0.09	61.62	0.89	0.385 ± 0.020
18D25364	2.0 %	0.0390412	1.564	12.2563	3.260	0.137856	17.718	11.2555	0.210	35.4897	0.137	2.21603 ± 0.03498	6.33 ± 0.10	70.23	0.71	0.395 ± 0.026
18D25365	2.1 %	0.0272713	2.114	12.4464	3.376	0.153006	16.657	11.1098	0.206	33.0017	0.138	2.33576 ± 0.03374	6.67 ± 0.10	78.58	0.70	0.384 ± 0.026
18D25367	2.2 %	0.0111431	5.103	4.2576	9.945	0.041474	58.852	4.6483	0.498	14.1209	0.322	2.40342 ± 0.08002	6.86 ± 0.23	79.07	0.29	0.469 ± 0.093
18D25368	2.3 %	0.0200265	2.733	12.8275	3.394	0.143461	15.482	10.7404	0.225	30.4408	0.153	2.37992 ± 0.03377	6.79 ± 0.10	83.91	0.68	0.360 ± 0.024
18D25369	2.4 %	0.0126995	4.052	8.1931	5.357	0.115998	21.386	6.9344	0.319	19.6147	0.233	2.38328 ± 0.04933	6.80 ± 0.14	84.19	0.44	0.364 ± 0.039
18D25371	2.5 %	0.0162975	3.365	9.9118	4.476	0.102330	25.358	9.0387	0.261	25.5774	0.178	2.38562 ± 0.04007	6.81 ± 0.11	84.25	0.57	0.392 ± 0.035
18D25372	2.7 %	0.0162741	3.287	11.5815	3.539	0.128497	18.871	9.8744	0.236	27.2264	0.166	2.36515 ± 0.03577	6.75 ± 0.10	85.71	0.62	0.366 ± 0.026
18D25373	3.0 %	0.0171800	3.292	17.7245	2.405	0.167419	13.877	14.2147	0.170	38.2827	0.122	2.43698 ± 0.02625	6.96 ± 0.07	90.41	0.90	0.345 ± 0.017
18D25375	3.4 %	0.0251210	2.464	29.0497	1.489	0.278757	8.677	22.6680	0.120	60.3178	0.077	2.43720 ± 0.01794	6.96 ± 0.05	91.52	1.43	0.335 ± 0.010
18D25376	3.8 %	0.0206837	2.657	27.5852	1.576	0.285022	8.455	21.6484	0.122	56.7868	0.083	2.44403 ± 0.01704	6.98 ± 0.05	93.10	1.37	0.337 ± 0.011
18D25377	4.2 %	0.0320476	1.863	53.3379	0.879	0.488240	5.003	39.8597	0.088	102.9850	0.048	2.45449 ± 0.01033	7.01 ± 0.03	94.92	2.52	0.321 ± 0.006
18D25379	4.6 %	0.0614349	1.174	95.6471	0.622	0.813506	2.894	67.6985	0.076	176.5564	0.029	2.45429 ± 0.00762	7.01 ± 0.02	94.02	4.28	0.304 ± 0.004
18D25380	5.2 %	0.0553693	1.199	127.8999	0.554	1.039231	2.339	85.8201	0.073	215.9190	0.023	2.44607 ± 0.00608	6.98 ± 0.02	97.13	5.43	0.288 ± 0.003
18D25381	5.8 %	0.0288594	2.038	57.2331	0.846	0.478937	4.993	38.4073	0.090	97.2455	0.049	2.43066 ± 0.01057	6.94 ± 0.03	95.91	2.43	0.288 ± 0.005
18D25383	6.5 %	0.0387532	1.566	96.7274	0.606	0.767384	3.205	61.9545	0.077	153.9249	0.031	2.42618 ± 0.00725	6.93 ± 0.02	97.56	3.92	0.275 ± 0.003
18D25384	7.2 %	0.0662587	0.998	172.4546	0.504	1.255361	1.907	106.1209	0.071	262.2747	0.019	2.41869 ± 0.00530	6.90 ± 0.02	97.76	6.71	0.264 ± 0.003
18D25385	8.0 %	0.0674301	1.085	180.0420	0.497	1.272818	1.801	107.4751	0.071	264.4665	0.020	2.41112 ± 0.00555	6.88 ± 0.02	97.88	6.79	0.256 ± 0.003
18D25387	8.9 %	✓ 0.0713466	0.934	201.4005	0.487	1.396544	1.704	116.7466	0.070	284.8453	0.018	2.39912 ± 0.00506	6.85 ± 0.01	98.22	7.38	0.249 ± 0.002
18D25388	9.7 %	✓ 0.0742121	0.905	194.0681	0.491	1.287104	1.878	108.6213	0.070	266.4728	0.019	2.39619 ± 0.00529	6.84 ± 0.02	97.56	6.87	0.240 ± 0.002
18D25389	10.6 %	✓ 0.0787412	0.879	227.3692	0.477	1.452934	1.598	121.4468	0.070	295.0236	0.017	2.38946 ± 0.00504	6.82 ± 0.01	98.24	7.68	0.229 ± 0.002
18D25391	11.6 %	✓ 0.0788319	0.911	222.4750	0.473	1.354310	1.725	112.2633	0.070	273.4791	0.019	2.38927 ± 0.00538	6.82 ± 0.02	97.95	7.10	0.217 ± 0.002
18D25392	12.5 %	✓ 0.0781103	0.965	220.1703	0.481	1.291691	1.994	104.3788	0.071	254.6490	0.020	2.38964 ± 0.00581	6.82 ± 0.02	97.82	6.60	0.204 ± 0.002
18D25393	13.4 %	✓ 0.0586634	1.155	160.9406	0.513	0.862281	2.874	71.8404	0.075	176.0899	0.028	2.39160 ± 0.00704	6.83 ± 0.02	97.43	4.54	0.192 ± 0.002
18D25395	14.6 %	✓ 0.0688686	0.989	175.9430	0.496	0.907999	2.552	74.2828	0.074	183.4104	0.027	2.38733 ± 0.00691	6.81 ± 0.02	96.54	4.69	0.181 ± 0.002
18D25396	15.8 %	✓ 0.0699078	0.966	160.7809	0.514	0.768229	3.079	63.9559	0.076	160.5070	0.030	2.39070 ± 0.00771	6.82 ± 0.02	95.11	4.04	0.171 ± 0.002
18D25397	17.6 %	✓ 0.0636125	1.072	144.4251	0.526	0.661454	3.631	54.1013	0.080	136.4511	0.035	2.39141 ± 0.00890	6.83 ± 0.03	94.65	3.42	0.161 ± 0.002
18D25399	18.6 %	✓ 0.0528688	1.199	104.9019	0.584	0.404454	5.708	36.4422	0.093	94.2844	0.050	2.39228 ± 0.01184	6.83 ± 0.03	92.29	2.30	0.149 ± 0.002
18D25400	19.7 %	✓ 0.0505801	1.263	84.2312	0.679	0.322750	7.461	27.8679	0.106	74.7914	0.064	2.39292 ± 0.01528	6.83 ± 0.04	88.99	1.76	0.142 ± 0.002
18D25401	20.9 %	✓ 0.0432548	1.420	65.9007	0.740	0.253002	9.613	21.0215	0.132	57.5864	0.081	2.38598 ± 0.01932	6.81 ± 0.06	86.92	1.33	0.137 ± 0.002
18D25403	22.5 %	✓ 0.0444206	1.374	58.8113	0.857	0.223185	10.661	18.0782	0.142	51.3498	0.088	2.37855 ± 0.02217	6.79 ± 0.06	83.56	1.14	0.132 ± 0.002

Σ 1.5251933 0.238 2973.4992 0.128 19.198419 0.710 1581.9773 0.017 4006.1431 0.007

Information on Analysis and Constants Used in Calculations	Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (%,n)	K/Ca ± 2σ
Project = MCCLAUGHRY (18-09) Sample = 660-MCBJ-16 Material = Groundmass Location = Mill Creek Buttes Region = Eastern Cascades Analyst = Dan Miggins Irradiation = 18-OSU-04 (4C14-18) Position = X: 999 Y: 999 Z/H: 23.27 mm FCT-NM Age = 28.201 ± 0.023 Ma FCT-NM Reference = Kuiper et al (2008) FCT-NM 40Ar/39Ar Ratio = 9.93846 ± 0.00745 FCT-NM J-value = 0.00158147 ± 0.00000119 Air Shot 40Ar/36Ar = 305.8780 ± 0.4038 Air Shot MDF = 0.99150690 ± 0.00065604 (LIN) Experiment Type = Incremental Heating Extraction Method = Bulk Laser Heating Heating = 64 sec Isolation = 5.10 min Instrument = ARGUS-VI-D Preferred Age = Plateau Age Age Classification = Eruption Age IGSN = Undefined Rock Class = Undefined Lithology = Undefined Lat-Lon = Undefined - Undefined	Age Plateau		2.39197 ± 0.00231 ± 0.10% Full External Error ± 0.15 Analytical Error ± 0.01	6.83 ± 0.01 ± 0.18%	1.42 15% 1.82 1.1895	58.84 13 2σ Confidence Limit Error Magnification	0.180 ± 0.021
	Total Fusion Age		2.39990 ± 0.00168 ± 0.07% Full External Error ± 0.15 Analytical Error ± 0.00	6.85 ± 0.01 ± 0.17%		32	0.228 ± 0.001
	Normal Isochron	288.94 ± 10.46 ± 3.62%	2.39358 ± 0.00350 ± 0.15% Full External Error ± 0.15 Analytical Error ± 0.01	6.83 ± 0.01 ± 0.21%	1.37 18% 1.85 1.1722 1 0.0000008852	58.84 13 2σ Confidence Limit Error Magnification Number of Iterations Convergence	
	Inverse Isochron	290.39 ± 10.69 ± 3.68%	2.39328 ± 0.00358 ± 0.15% Full External Error ± 0.15 Analytical Error ± 0.01	6.83 ± 0.01 ± 0.21%	1.43 15% 1.85 1.1958 3 0.0000154049 14%	58.84 13 2σ Confidence Limit Error Magnification Number of Iterations Convergence 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
18D25361	1.8 %		0.0645541	7.1735	0.0254255	7.3673	13.7251	5.32 ± 0.18	41.84	0.47	0.442 ± 0.050
18D25363	1.9 %		0.0651254	15.7324	0.0303843	14.0797	30.9136	6.27 ± 0.09	61.62	0.89	0.385 ± 0.020
18D25364	2.0 %		0.0357283	12.2563	0.0000000	11.2477	24.9252	6.33 ± 0.10	70.23	0.71	0.395 ± 0.026
18D25365	2.1 %		0.0239043	12.4464	0.0122216	11.1018	25.9313	6.67 ± 0.10	78.58	0.70	0.384 ± 0.026
18D25367	2.2 %		0.0099923	4.2576	0.0000000	4.6456	11.1654	6.86 ± 0.23	79.07	0.29	0.469 ± 0.093
18D25368	2.3 %		0.0165573	12.8275	0.0084455	10.7321	25.5416	6.79 ± 0.10	83.91	0.68	0.360 ± 0.024
18D25369	2.4 %		0.0104785	8.1931	0.0288807	6.9292	16.5141	6.80 ± 0.14	84.19	0.44	0.364 ± 0.039
18D25371	2.5 %		0.0136183	9.9118	0.0000000	9.0323	21.5477	6.81 ± 0.11	84.25	0.57	0.392 ± 0.035
18D25372	2.7 %		0.0131425	11.5815	0.0047931	9.8670	23.3368	6.75 ± 0.10	85.71	0.62	0.366 ± 0.026
18D25373	3.0 %		0.0123891	17.7245	0.0000000	14.2033	34.6130	6.96 ± 0.07	90.41	0.90	0.345 ± 0.017
18D25375	3.4 %		0.0172689	29.0497	0.0000000	22.6494	55.2010	6.96 ± 0.05	91.52	1.43	0.335 ± 0.010
18D25376	3.8 %		0.0132238	27.5852	0.0163518	21.6307	52.8660	6.98 ± 0.05	93.10	1.37	0.337 ± 0.011
18D25377	4.2 %		0.0176304	53.3379	0.0000000	39.8255	97.7511	7.01 ± 0.03	94.92	2.52	0.321 ± 0.006
18D25379	4.6 %		0.0355814	95.6471	0.0000000	67.6371	166.0010	7.01 ± 0.02	94.02	4.28	0.304 ± 0.004
18D25380	5.2 %		0.0207980	127.8999	0.0000000	85.7379	209.7212	6.98 ± 0.02	97.13	5.43	0.288 ± 0.003
18D25381	5.8 %		0.0133887	57.2331	0.0027314	38.3705	93.2659	6.94 ± 0.03	95.91	2.43	0.288 ± 0.005
18D25383	6.5 %		0.0126077	96.7274	0.0001429	61.8923	150.1617	6.93 ± 0.02	97.56	3.92	0.275 ± 0.003
18D25384	7.2 %		0.0196442	172.4546	0.0000000	106.0101	256.4054	6.90 ± 0.02	97.76	6.71	0.264 ± 0.003
18D25385	8.0 %		0.0187648	180.0420	0.0000000	107.3594	258.8564	6.88 ± 0.02	97.88	6.79	0.256 ± 0.003
18D25387	8.9 %	✓	0.0169080	201.4005	0.0000000	116.6172	279.7782	6.85 ± 0.01	98.22	7.38	0.249 ± 0.002
18D25388	9.7 %	✓	0.0217555	194.0681	0.0000000	108.4966	259.9781	6.84 ± 0.02	97.56	6.87	0.240 ± 0.002
18D25389	10.6 %	✓	0.0172833	227.3692	0.0000000	121.3007	289.8427	6.82 ± 0.01	98.24	7.68	0.229 ± 0.002
18D25391	11.6 %	✓	0.0186969	222.4750	0.0000000	112.1204	267.8861	6.82 ± 0.02	97.95	7.10	0.217 ± 0.002
18D25392	12.5 %	✓	0.0185982	220.1703	0.0000000	104.2373	249.0900	6.82 ± 0.02	97.82	6.60	0.204 ± 0.002
18D25393	13.4 %	✓	0.0151611	160.9406	0.0000000	71.7370	171.5663	6.83 ± 0.02	97.43	4.54	0.192 ± 0.002
18D25395	14.6 %	✓	0.0213112	175.9430	0.0000000	74.1698	177.0680	6.81 ± 0.02	96.54	4.69	0.181 ± 0.002
18D25396	15.8 %	✓	0.0264487	160.7809	0.0000000	63.8526	152.6526	6.82 ± 0.02	95.11	4.04	0.171 ± 0.002
18D25397	17.6 %	✓	0.0245744	144.4251	0.0000000	54.0085	129.1566	6.83 ± 0.03	94.65	3.42	0.161 ± 0.002
18D25399	18.6 %	✓	0.0245138	104.9019	0.0000000	36.3748	87.0185	6.83 ± 0.03	92.29	2.30	0.149 ± 0.002
18D25400	19.7 %	✓	0.0278124	84.2312	0.0000000	27.8137	66.5559	6.83 ± 0.04	88.99	1.76	0.142 ± 0.002
18D25401	20.9 %	✓	0.0254419	65.9007	0.0000000	20.9791	50.0556	6.81 ± 0.06	86.92	1.33	0.137 ± 0.002
18D25403	22.5 %	✓	0.0285239	58.8113	0.0000000	18.0404	42.9100	6.79 ± 0.06	83.56	1.14	0.132 ± 0.002
Σ			0.7214275	2973.4992	0.1293768	1580.0669	3792.0022				

Information on Analysis	Results	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (%,n)	K/Ca ± 2σ
Project = MCCLAUGHRY (18-09) Sample = 660-MCBJ-16 Material = Groundmass Location = Mill Creek Buttes Region = Eastern Cascades Analyst = Dan Miggins Irradiation = 18-OSU-04 (4C14-18) J = 0.00158147 ± 0.00000119 FCT-NM = 28.201 ± 0.023 Ma	Age Plateau	2.39197 ± 0.00231 ± 0.10%	6.83 ± 0.01 ± 0.18% Full External Error ± 0.15 Analytical Error ± 0.01	1.42 15% 1.82 1.1895	58.84 13 2σ Confidence Limit Error Magnification	0.180 ± 0.021
	Total Fusion Age	2.39990 ± 0.00168 ± 0.07%	6.85 ± 0.01 ± 0.17% Full External Error ± 0.15 Analytical Error ± 0.00		32	0.228 ± 0.001

Normal Isochron		39(k)/36(a) ± 2σ		40(a+r)/36(a) ± 2σ	r.i.
18D25361	1.8 %		114.13 ± 2.72	508.11 ± 11.82	0.9590
18D25363	1.9 %		216.19 ± 5.03	770.18 ± 17.77	0.9844
18D25364	2.0 %		314.81 ± 11.01	993.13 ± 34.58	0.9897
18D25365	2.1 %		464.43 ± 22.91	1380.29 ± 67.97	0.9949
18D25367	2.2 %		464.92 ± 54.18	1412.90 ± 164.30	0.9948
18D25368	2.3 %		648.18 ± 43.94	1838.12 ± 124.46	0.9968
18D25369	2.4 %		661.28 ± 66.79	1871.51 ± 188.85	0.9969
18D25371	2.5 %		663.24 ± 54.78	1877.75 ± 154.94	0.9971
18D25372	2.7 %		750.77 ± 62.51	2071.17 ± 172.31	0.9976
18D25373	3.0 %		1146.43 ± 106.89	3089.33 ± 287.94	0.9990
18D25375	3.4 %		1311.57 ± 95.77	3492.06 ± 254.91	0.9992
18D25376	3.8 %		1635.74 ± 139.14	4293.30 ± 365.11	0.9994
18D25377	4.2 %		2258.91 ± 156.56	5839.96 ± 404.66	0.9996
18D25379	4.6 %		1900.91 ± 79.18	4960.88 ± 206.51	0.9992
18D25380	5.2 %		4122.42 ± 274.88	10379.24 ± 691.94	0.9997
18D25381	5.8 %		2865.89 ± 258.27	7261.52 ± 654.31	0.9997
18D25383	6.5 %		4909.07 ± 489.74	12205.78 ± 1217.55	0.9999
18D25384	7.2 %		5396.49 ± 388.01	13347.94 ± 959.56	0.9998
18D25385	8.0 %		5721.33 ± 472.51	14090.30 ± 1163.51	0.9998
18D25387	8.9 %	✓	6897.15 ± 589.98	16842.57 ± 1440.52	0.9999
18D25388	9.7 %	✓	4987.08 ± 332.54	12245.48 ± 816.36	0.9998
18D25389	10.6 %	✓	7018.37 ± 616.20	17065.60 ± 1498.15	0.9999
18D25391	11.6 %	✓	5996.72 ± 500.17	14623.31 ± 1219.53	0.9998
18D25392	12.5 %	✓	5604.69 ± 489.68	13688.70 ± 1195.84	0.9999
18D25393	13.4 %	✓	4731.64 ± 447.64	11611.70 ± 1098.42	0.9999
18D25395	14.6 %	✓	3480.32 ± 237.00	8604.19 ± 585.81	0.9997
18D25396	15.8 %	✓	2414.21 ± 130.57	6067.15 ± 328.03	0.9995
18D25397	17.6 %	✓	2197.76 ± 128.00	5551.24 ± 323.22	0.9995
18D25399	18.6 %	✓	1483.85 ± 79.59	3845.27 ± 206.16	0.9992
18D25400	19.7 %	✓	1000.05 ± 47.40	2688.53 ± 127.34	0.9986
18D25401	20.9 %	✓	824.59 ± 40.82	2262.95 ± 111.93	0.9980
18D25403	22.5 %	✓	632.47 ± 27.81	1799.85 ± 79.05	0.9971

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	288.94 ± 10.46 ± 3.62%	2.39358 ± 0.00350 ± 0.15%	6.83 ± 0.01 ± 0.21%	1.37 18%
Full External Error ± 0.15 Analytical Error ± 0.01				
Statistics	2σ Confidence Limit Error Magnification Number of Data Points	1.85 1.1722 13	Convergence Number of Iterations Calculated Line	0.000000885228 1 Weighted York-2

Inverse Isochron		39(k)/40(a+r) ± 2σ		36(a)/40(a+r) ± 2σ	r.i.
18D25361	1.8 %		0.2246087 ± 0.0015208	0.00196806 ± 0.00004578	0.0543
18D25363	1.9 %		0.2807060 ± 0.0011482	0.00129840 ± 0.00002995	0.0405
18D25364	2.0 %		0.3169882 ± 0.0015918	0.00100692 ± 0.00003506	0.0432
18D25365	2.1 %		0.3364701 ± 0.0016684	0.00072448 ± 0.00003568	0.0314
18D25367	2.2 %		0.3290542 ± 0.0039040	0.00070776 ± 0.00008230	0.0301
18D25368	2.3 %		0.3526326 ± 0.0019167	0.00054404 ± 0.00003684	0.0254
18D25369	2.4 %		0.3533393 ± 0.0027916	0.00053433 ± 0.00005392	0.0272
18D25371	2.5 %		0.3532121 ± 0.0022327	0.00053255 ± 0.00004394	0.0243
18D25372	2.7 %		0.3624836 ± 0.0020933	0.00048282 ± 0.00004017	0.0229
18D25373	3.0 %		0.3710941 ± 0.0015555	0.00032369 ± 0.00003017	0.0152
18D25375	3.4 %		0.3755862 ± 0.0010752	0.00028636 ± 0.00002090	0.0115
18D25376	3.8 %		0.3809984 ± 0.0011235	0.00023292 ± 0.00001981	0.0109
18D25377	4.2 %		0.3868019 ± 0.0007719	0.00017123 ± 0.00001187	0.0066
18D25379	4.6 %		0.3831796 ± 0.0006247	0.00020158 ± 0.00000839	0.0049
18D25380	5.2 %		0.3971796 ± 0.0006086	0.00009635 ± 0.00000642	0.0021
18D25381	5.8 %		0.3946684 ± 0.0008118	0.00013771 ± 0.00001241	0.0053
18D25383	6.5 %		0.4021925 ± 0.0006724	0.00008193 ± 0.00000817	0.0024
18D25384	7.2 %		0.4042941 ± 0.0005915	0.00007492 ± 0.00000539	0.0014
18D25385	8.0 %		0.4060472 ± 0.0005959	0.00007097 ± 0.00000586	0.0013
18D25387	8.9 %	✓	0.4095072 ± 0.0005941	0.00005937 ± 0.00000508	0.0010
18D25388	9.7 %	✓	0.4072589 ± 0.0005960	0.00008166 ± 0.00000544	0.0016
18D25389	10.6 %	✓	0.4112586 ± 0.0005900	0.00005860 ± 0.00000514	0.0009
18D25391	11.6 %	✓	0.4100798 ± 0.0005942	0.00006838 ± 0.00000570	0.0012
18D25392	12.5 %	✓	0.4094389 ± 0.0006068	0.00007305 ± 0.00000638	0.0012
18D25393	13.4 %	✓	0.4074893 ± 0.0006506	0.00008612 ± 0.00000815	0.0021
18D25395	14.6 %	✓	0.4044917 ± 0.0006384	0.00011622 ± 0.00000791	0.0028
18D25396	15.8 %	✓	0.3979141 ± 0.0006524	0.00016482 ± 0.00000891	0.0040
18D25397	17.6 %	✓	0.3959035 ± 0.0006939	0.00018014 ± 0.00001049	0.0048
18D25399	18.6 %	✓	0.3858886 ± 0.0008121	0.00026006 ± 0.00001394	0.0087
18D25400	19.7 %	✓	0.3719682 ± 0.0009236	0.00037195 ± 0.00001762	0.0138
18D25401	20.9 %	✓	0.3643870 ± 0.0011296	0.00044190 ± 0.00002186	0.0172
18D25403	22.5 %	✓	0.3513993 ± 0.0011789	0.00055560 ± 0.00002440	0.0212

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	290.39 ± 10.69 ± 3.68%	2.39328 ± 0.00358 ± 0.15%	6.83 ± 0.01 ± 0.21%	1.43 15%
Full External Error ± 0.15 Analytical Error ± 0.01				
Statistics	2σ Confidence Limit Error Magnification Number of Data Points Spreading Factor	1.85 1.1958 13 14.3%	Convergence Number of Iterations Calculated Line	0.0000154049 3 Weighted York-2

Degassing Patterns		36Ar(a) [fA]		36Ar(c) [fA]		36Ar(ca) [fA]		36Ar(cl) [fA]		37Ar(ca) [fA]		38Ar(a) [fA]		38Ar(c) [fA]		38Ar(k) [fA]		38Ar(ca) [fA]		38Ar(cl) [fA]		39Ar(k) [fA]		39Ar(ca) [fA]		40Ar(r) [fA]		40Ar(a) [fA]		40Ar(c) [fA]		40Ar(k) [fA]	
		%1σ		%1σ		%1σ		%1σ		%1σ		%1σ		%1σ		%1σ		%1σ		%1σ		%1σ		%1σ		%1σ		%1σ		%1σ			
18D25361	1.8 %	0.0645541	1.15	0.0000000	0.00	0.0019390	5.62	0.0000057	93.76	7.1735	5.61	0.0120652	1.15	0.0000000	0.00	0.088975	0.32	0.0012912	11.15	0.0254255	93.77	7.3673	0.31	0.0046089	5.69	13.7251	1.64	19.07573	1.15	0.0000000	0.00	0.0044720	9.65
18D25363	1.9 %	0.0651254	1.15	0.0000000	0.00	0.0042525	2.59	0.0000068	83.51	15.7324	2.59	0.0121719	1.15	0.0000000	0.00	0.170041	0.20	0.0028318	9.97	0.0303843	83.51	14.0797	0.18	0.0101081	2.75	30.9136	0.73	19.24455	1.15	0.0000000	0.00	0.0085464	9.65
18D25364	2.0 %	0.0357283	1.74	0.0000000	0.00	0.0033129	3.26	0.0000000	0.00	12.2563	3.26	0.0066776	1.74	0.0000000	0.00	0.135838	0.23	0.0022061	10.17	0.0000000	0.00	11.2477	0.21	0.0078746	3.39	24.9252	0.76	10.55771	1.74	0.0000000	0.00	0.0068273	9.65
18D25365	2.1 %	0.0239043	2.46	0.0000000	0.00	0.0033643	3.38	0.0000027	208.57	12.4464	3.38	0.0044677	2.46	0.0000000	0.00	0.134077	0.22	0.0022403	10.20	0.0122216	208.57	11.1018	0.21	0.0079968	3.50	25.9313	0.69	7.06373	2.46	0.0000000	0.00	0.0067388	9.65
18D25367	2.2 %	0.0099923	5.81	0.0000000	0.00	0.0011508	9.95	0.0000000	0.00	4.2576	9.94	0.0018676	5.81	0.0000000	0.00	0.056105	0.51	0.0007664	13.84	0.0000000	0.00	4.6456	0.50	0.0027355	9.99	11.1654	1.59	2.95271	5.81	0.0000000	0.00	0.0028199	9.66
18D25368	2.3 %	0.0165573	3.38	0.0000000	0.00	0.0034673	3.40	0.0000019	263.04	12.8275	3.39	0.0030946	3.38	0.0000000	0.00	0.129612	0.24	0.0023089	10.21	0.0084455	263.04	10.7321	0.22	0.0082416	3.52	25.5416	0.67	4.89269	3.38	0.0000000	0.00	0.0065144	9.65
18D25369	2.4 %	0.0104785	5.04	0.0000000	0.00	0.0022146	5.36	0.0000065	85.91	8.1931	5.36	0.0019584	5.04	0.0000000	0.00	0.083684	0.33	0.0014748	11.02	0.0288807	85.92	6.9292	0.32	0.0052641	5.44	16.5141	0.98	3.09639	5.04	0.0000000	0.00	0.0042060	9.66
18D25371	2.5 %	0.0136183	4.12	0.0000000	0.00	0.0026791	4.48	0.0000000	0.00	9.9118	4.48	0.0025453	4.12	0.0000000	0.00	0.109083	0.28	0.0017841	10.62	0.0000000	0.00	9.0323	0.26	0.0063683	4.57	21.5477	0.80	4.02422	4.12	0.0000000	0.00	0.0054826	9.65
18D25372	2.7 %	0.0131425	4.16	0.0000000	0.00	0.0031305	3.54	0.0000011	505.99	11.5815	3.54	0.0024563	4.16	0.0000000	0.00	0.119163	0.25	0.0020847	10.26	0.0047931	505.99	9.8670	0.24	0.0074411	3.66	23.3368	0.72	3.88361	4.16	0.0000000	0.00	0.0059892	9.65
18D25373	3.0 %	0.0123891	4.66	0.0000000	0.00	0.0047909	2.41	0.0000000	0.00	17.7245	2.40	0.0023155	4.66	0.0000000	0.00	0.171533	0.19	0.0031904	9.93	0.0000000	0.00	14.2033	0.17	0.0113880	2.57	34.6130	0.51	3.66098	4.66	0.0000000	0.00	0.0086214	9.65
18D25375	3.4 %	0.0172689	3.65	0.0000000	0.00	0.0078521	1.50	0.0000000	0.00	29.0497	1.49	0.0032276	3.65	0.0000000	0.00	0.273536	0.15	0.0052289	9.74	0.0000000	0.00	22.6494	0.12	0.0186644	1.75	55.2010	0.35	5.10296	3.65	0.0000000	0.00	0.0137482	9.65
18D25376	3.8 %	0.0132238	4.25	0.0000000	0.00	0.0074563	1.59	0.0000037	147.44	27.5852	1.58	0.0024715	4.25	0.0000000	0.00	0.261234	0.15	0.0049653	9.76	0.0163518	147.44	21.6307	0.12	0.0177235	1.83	52.8660	0.33	3.90763	4.25	0.0000000	0.00	0.0131298	9.65
18D25377	4.2 %	0.0176304	3.46	0.0000000	0.00	0.0144172	0.90	0.0000000	0.00	53.3379	0.88	0.0032951	3.46	0.0000000	0.00	0.480972	0.13	0.0096008	9.67	0.0000000	0.00	39.8255	0.09	0.0342696	1.27	97.7511	0.19	5.20978	3.46	0.0000000	0.00	0.0241740	9.65
18D25379	4.6 %	0.0355814	2.08	0.0000000	0.00	0.0258534	0.64	0.0000000	0.00	95.6471	0.62	0.0066502	2.08	0.0000000	0.00	0.816853	0.12	0.0172165	9.65	0.0000000	0.00	67.6371	0.08	0.0614532	1.11	166.0010	0.14	10.51432	2.08	0.0000000	0.00	0.0410557	9.65
18D25380	5.2 %	0.0207980	3.33	0.0000000	0.00	0.0345713	0.58	0.0000000	0.00	127.8999	0.55	0.0038871	3.33	0.0000000	0.00	1.035457	0.12	0.0230220	9.65	0.0000000	0.00	85.7379	0.07	0.0821757	1.07	209.7212	0.10	6.14580	3.33	0.0000000	0.00	0.0520429	9.65
18D25381	5.8 %	0.0133887	4.51	0.0000000	0.00	0.0154701	0.86	0.0000006	876.48	57.2331	0.85	0.0025023	4.51	0.0000000	0.00	0.463401	0.13	0.0103020	9.67	0.0027314	876.48	38.3705	0.09	0.0367723	1.25	93.2659	0.20	3.95636	4.51	0.0000000	0.00	0.0232909	9.65
18D25383	6.5 %	0.0126077	4.99	0.0000000	0.00	0.0261454	0.63	0.0000000	#####	96.7274	0.61	0.0023564	4.99	0.0000000	0.00	0.747473	0.12	0.0174109	9.65	0.0001429	#####	61.8923	0.08	0.0621473	1.10	150.1617	0.13	3.72559	4.99	0.0000000	0.00	0.0375686	9.65
18D25384	7.2 %	0.0196442	3.59	0.0000000	0.00	0.0466145	0.53	0.0000000	0.00	172.4546	0.50	0.0036715	3.59	0.0000000	0.00	1.280284	0.11	0.0310418	9.64	0.0000000	0.00	106.0101	0.07	0.1108021	1.05	256.4054	0.08	5.80488	3.59	0.0000000	0.00	0.0643481	9.65
18D25385	8.0 %	0.0187648	4.13	0.0000000	0.00	0.0486654	0.53	0.0000000	0.00	180.0420	0.50	0.0035071	4.13	0.0000000	0.00	1.296580	0.11	0.0324076	9.64	0.0000000	0.00	107.3594	0.07	0.1156770	1.05	258.8564	0.09	5.54499	4.13	0.0000000	0.00	0.0651672	9.65
18D25387	8.9 %	✓ 0.0169080	4.28	0.0000000	0.00	0.0544386	0.52	0.0000000	0.00	201.4005	0.49	0.0031601	4.28	0.0000000	0.00	1.408386	0.11	0.0362521	9.64	0.0000000	0.00	116.6172	0.07	0.1293998	1.04	279.7782	0.08	4.99632	4.28	0.0000000	0.00	0.0707866	9.65
18D25388	9.7 %	✓ 0.0217555	3.33	0.0000000	0.00	0.0524566	0.52	0.0000000	0.00	194.0681	0.49	0.0040661	3.33	0.0000000	0.00	1.310313	0.11	0.0349323	9.64	0.0000000	0.00	108.4966	0.07	0.1246888	1.04	259.9781	0.08	6.42876	3.33	0.0000000	0.00	0.0658574	9.65
18D25389	10.6 %	✓ 0.0172833	4.39	0.0000000	0.00	0.0614579	0.51	0.0000000	0.00	227.3692	0.48	0.0032302	4.39	0.0000000	0.00	1.464949	0.11	0.0409265	9.64	0.0000000	0.00	121.3007	0.07	0.1460847	1.04	289.8427	0.08	5.10722	4.39	0.0000000	0.00	0.0736295	9.65
18D25391	11.6 %	✓ 0.0186969	4.17	0.0000000	0.00	0.0601350	0.50	0.0000000	0.00	222.4750	0.47	0.0034945	4.17	0.0000000	0.00	1.354078	0.11	0.0400455	9.64	0.0000000	0.00	112.1204	0.07	0.1429402	1.03	267.8861	0.09	5.52494	4.17	0.0000000	0.00	0.0680571	9.65
18D25392	12.5 %	✓ 0.0185982	4.37	0.0000000	0.00	0.0595120	0.51	0.0000000	0.00	220.1703	0.48	0.0034760	4.37	0.0000000	0.00	1.258874	0.11	0.0396306	9.64	0.0000000	0.00												

Additional Parameters			40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
18D25361	1.8 %		4.450010	0.015057	0.973074	0.054703	0.009021	0.000104	138.008	15.308295	1.00097514	1.575E-12
18D25363	1.9 %		3.560497	0.007277	1.116581	0.028962	0.004924	0.000053	138.026	15.313756	1.00097527	2.408E-12
18D25364	2.0 %		3.153091	0.007912	1.088909	0.035573	0.003469	0.000055	138.035	15.316487	1.00097533	1.704E-12
18D25365	2.1 %		2.970499	0.007360	1.120303	0.037891	0.002455	0.000052	138.044	15.319218	1.00097539	1.584E-12
18D25367	2.2 %		3.037832	0.018011	0.915939	0.091200	0.002397	0.000123	138.062	15.324683	1.00097552	6.778E-13
18D25368	2.3 %		2.834243	0.007697	1.194322	0.040628	0.001865	0.000051	138.072	15.327626	1.00097559	1.461E-12
18D25369	2.4 %		2.828599	0.011167	1.181511	0.063409	0.001831	0.000074	138.081	15.330359	1.00097565	9.415E-13
18D25371	2.5 %		2.829772	0.008938	1.096595	0.049167	0.001803	0.000061	138.099	15.335827	1.00097578	1.228E-12
18D25372	2.7 %		2.757273	0.007956	1.172885	0.041602	0.001648	0.000054	138.108	15.338562	1.00097585	1.307E-12
18D25373	3.0 %		2.693182	0.005640	1.246920	0.030062	0.001209	0.000040	138.117	15.341298	1.00097591	1.838E-12
18D25375	3.4 %		2.660919	0.003806	1.281528	0.019149	0.001108	0.000027	138.135	15.346770	1.00097604	2.895E-12
18D25376	3.8 %		2.623141	0.003865	1.274240	0.020146	0.000955	0.000025	138.144	15.349717	1.00097611	2.726E-12
18D25377	4.2 %		2.583686	0.002575	1.338141	0.011819	0.000804	0.000015	138.153	15.352455	1.00097617	4.943E-12
18D25379	4.6 %		2.607980	0.002123	1.412839	0.008852	0.000907	0.000011	138.172	15.357931	1.00097630	8.475E-12
18D25380	5.2 %		2.515948	0.001925	1.490325	0.008324	0.000645	0.000008	138.181	15.360670	1.00097636	1.036E-11
18D25381	5.8 %		2.531953	0.002601	1.490162	0.012684	0.000751	0.000015	138.190	15.363409	1.00097642	4.668E-12
18D25383	6.5 %		2.484484	0.002074	1.561266	0.009540	0.000626	0.000010	138.208	15.369100	1.00097656	7.388E-12
18D25384	7.2 %		2.471471	0.001805	1.625077	0.008262	0.000624	0.000006	138.217	15.371841	1.00097662	1.259E-11
18D25385	8.0 %		2.460724	0.001803	1.675197	0.008407	0.000627	0.000007	138.226	15.374582	1.00097668	1.269E-11
18D25387	8.9 %	✓	2.439859	0.001767	1.725108	0.008493	0.000611	0.000006	138.244	15.380066	1.00097681	1.367E-11
18D25388	9.7 %	✓	2.453228	0.001792	1.786649	0.008868	0.000683	0.000006	138.253	15.382809	1.00097688	1.279E-11
18D25389	10.6 %	✓	2.429241	0.001739	1.872172	0.009025	0.000648	0.000006	138.262	15.385552	1.00097694	1.416E-11
18D25391	11.6 %	✓	2.436051	0.001761	1.981725	0.009483	0.000702	0.000006	138.281	15.391251	1.00097707	1.313E-11
18D25392	12.5 %	✓	2.439663	0.001804	2.109340	0.010261	0.000748	0.000007	138.290	15.393996	1.00097714	1.222E-11
18D25393	13.4 %	✓	2.451126	0.001953	2.240252	0.011617	0.000817	0.000009	138.299	15.396741	1.00097720	8.452E-12
18D25395	14.6 %	✓	2.469083	0.001945	2.368556	0.011880	0.000927	0.000009	138.317	15.402233	1.00097733	8.804E-12
18D25396	15.8 %	✓	2.509652	0.002053	2.513934	0.013063	0.001093	0.000011	138.326	15.404980	1.00097739	7.704E-12
18D25397	17.6 %	✓	2.522142	0.002206	2.669532	0.014191	0.001176	0.000013	138.335	15.407727	1.00097745	6.550E-12
18D25399	18.6 %	✓	2.587234	0.002717	2.878586	0.017034	0.001451	0.000017	138.354	15.413434	1.00097759	4.526E-12
18D25400	19.7 %	✓	2.683787	0.003326	3.022522	0.020777	0.001815	0.000023	138.363	15.416183	1.00097765	3.590E-12
18D25401	20.9 %	✓	2.739413	0.004239	3.134925	0.023552	0.002058	0.000029	138.372	15.418932	1.00097771	2.764E-12
18D25403	22.5 %	✓	2.840423	0.004756	3.253154	0.028274	0.002457	0.000034	138.390	15.424432	1.00097784	2.465E-12

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
18D25361	1.8 %	0.0252606 ± 0.0004028	0.0182507 ± 0.0186578	0.0304740 ± 0.0166975	0.0405497 ± 0.0156233	7.1547050 ± 0.0417039
18D25363	1.9 %	0.0253176 ± 0.0004028	0.0175495 ± 0.0186578	0.0261647 ± 0.0166975	0.0125069 ± 0.0156233	7.1493009 ± 0.0417039
18D25364	2.0 %	0.0253014 ± 0.0004028	0.0180058 ± 0.0186578	0.0256089 ± 0.0166975	0.0047644 ± 0.0156233	7.1415970 ± 0.0417039
18D25365	2.1 %	0.0252607 ± 0.0004028	0.0188834 ± 0.0186578	0.0259263 ± 0.0166975	0.0004706 ± 0.0156233	7.1310953 ± 0.0417039
18D25367	2.2 %	0.0251207 ± 0.0004028	0.0215824 ± 0.0186578	0.0286458 ± 0.0166975	0.0001988 ± 0.0156233	7.1032060 ± 0.0417039
18D25368	2.3 %	0.0250206 ± 0.0004028	0.0233908 ± 0.0186578	0.0309815 ± 0.0166975	0.0035887 ± 0.0156233	7.0851852 ± 0.0417039
18D25369	2.4 %	0.0249167 ± 0.0004028	0.0251975 ± 0.0186578	0.0335341 ± 0.0166975	0.0083450 ± 0.0156233	7.0670395 ± 0.0417039
18D25371	2.5 %	0.0246887 ± 0.0004028	0.0289348 ± 0.0186578	0.0393237 ± 0.0166975	0.0209358 ± 0.0156233	7.0279210 ± 0.0417039
18D25372	2.7 %	0.0245698 ± 0.0004028	0.0307582 ± 0.0186578	0.0423715 ± 0.0166975	0.0280775 ± 0.0156233	7.0075191 ± 0.0417039
18D25373	3.0 %	0.0244508 ± 0.0004028	0.0324882 ± 0.0186578	0.0454071 ± 0.0166975	0.0353720 ± 0.0156233	6.9869075 ± 0.0417039
18D25375	3.4 %	0.0242205 ± 0.0004028	0.0355083 ± 0.0186578	0.0511437 ± 0.0166975	0.0493667 ± 0.0156233	6.9460082 ± 0.0417039
18D25376	3.8 %	0.0241047 ± 0.0004028	0.0368157 ± 0.0186578	0.0539007 ± 0.0166975	0.0560679 ± 0.0156233	6.9246518 ± 0.0417039
18D25377	4.2 %	0.0240045 ± 0.0004028	0.0377913 ± 0.0186578	0.0561738 ± 0.0166975	0.0615046 ± 0.0156233	6.9055132 ± 0.0417039
18D25379	4.6 %	0.0238301 ± 0.0004028	0.0389728 ± 0.0186578	0.0597077 ± 0.0166975	0.0695349 ± 0.0156233	6.8699241 ± 0.0417039
18D25380	5.2 %	0.0237578 ± 0.0004028	0.0391517 ± 0.0186578	0.0608973 ± 0.0166975	0.0719245 ± 0.0156233	6.8537673 ± 0.0417039
18D25381	5.8 %	0.0236963 ± 0.0004028	0.0390461 ± 0.0186578	0.0616667 ± 0.0166975	0.0731450 ± 0.0156233	6.8388695 ± 0.0417039
18D25383	6.5 %	0.0236048 ± 0.0004028	0.0379191 ± 0.0186578	0.0618553 ± 0.0166975	0.0718646 ± 0.0156233	6.8123825 ± 0.0417039
18D25384	7.2 %	0.0235783 ± 0.0004028	0.0369529 ± 0.0186578	0.0612549 ± 0.0166975	0.0694535 ± 0.0156233	6.8019365 ± 0.0417039
18D25385	8.0 %	0.0235632 ± 0.0004028	0.0357288 ± 0.0186578	0.0602094 ± 0.0166975	0.0659555 ± 0.0156233	6.7930659 ± 0.0417039
18D25387	8.9 %	0.0235649 ± 0.0004028	0.0325883 ± 0.0186578	0.0568409 ± 0.0166975	0.0561170 ± 0.0156233	6.7801699 ± 0.0417039
18D25388	9.7 %	0.0235803 ± 0.0004028	0.0307250 ± 0.0186578	0.0545648 ± 0.0166975	0.0500613 ± 0.0156233	6.7761611 ± 0.0417039
18D25389	10.6 %	0.0236041 ± 0.0004028	0.0287099 ± 0.0186578	0.0519376 ± 0.0166975	0.0434882 ± 0.0156233	6.7737609 ± 0.0417039
18D25391	11.6 %	0.0236749 ± 0.0004028	0.0242146 ± 0.0186578	0.0455490 ± 0.0166975	0.0291654 ± 0.0156233	6.7737455 ± 0.0417039
18D25392	12.5 %	0.0237159 ± 0.0004028	0.0219982 ± 0.0186578	0.0421351 ± 0.0166975	0.0224994 ± 0.0156233	6.7760035 ± 0.0417039
18D25393	13.4 %	0.0237591 ± 0.0004028	0.0198200 ± 0.0186578	0.0385862 ± 0.0166975	0.0163946 ± 0.0156233	6.7796214 ± 0.0417039
18D25395	14.6 %	0.0238434 ± 0.0004028	0.0158194 ± 0.0186578	0.0313769 ± 0.0166975	0.0072648 ± 0.0156233	6.7905020 ± 0.0417039
18D25396	15.8 %	0.0238797 ± 0.0004028	0.0141303 ± 0.0186578	0.0278817 ± 0.0166975	0.0050133 ± 0.0156233	6.7975042 ± 0.0417039
18D25397	17.6 %	0.0239086 ± 0.0004028	0.0127457 ± 0.0186578	0.0245816 ± 0.0166975	0.0048702 ± 0.0156233	6.8053452 ± 0.0417039
18D25399	18.6 %	0.0239323 ± 0.0004028	0.0111917 ± 0.0186578	0.0187975 ± 0.0166975	0.0133532 ± 0.0156233	6.8235391 ± 0.0417039
18D25400	19.7 %	0.0239195 ± 0.0004028	0.0112611 ± 0.0186578	0.0167621 ± 0.0166975	0.0227292 ± 0.0156233	6.8328008 ± 0.0417039
18D25401	20.9 %	0.0238863 ± 0.0004028	0.0119883 ± 0.0186578	0.0153788 ± 0.0166975	0.0362886 ± 0.0156233	6.8420879 ± 0.0417039
18D25403	22.5 %	0.0237434 ± 0.0004028	0.0158176 ± 0.0186578	0.0150985 ± 0.0166975	0.0783309 ± 0.0156233	6.8597487 ± 0.0417039

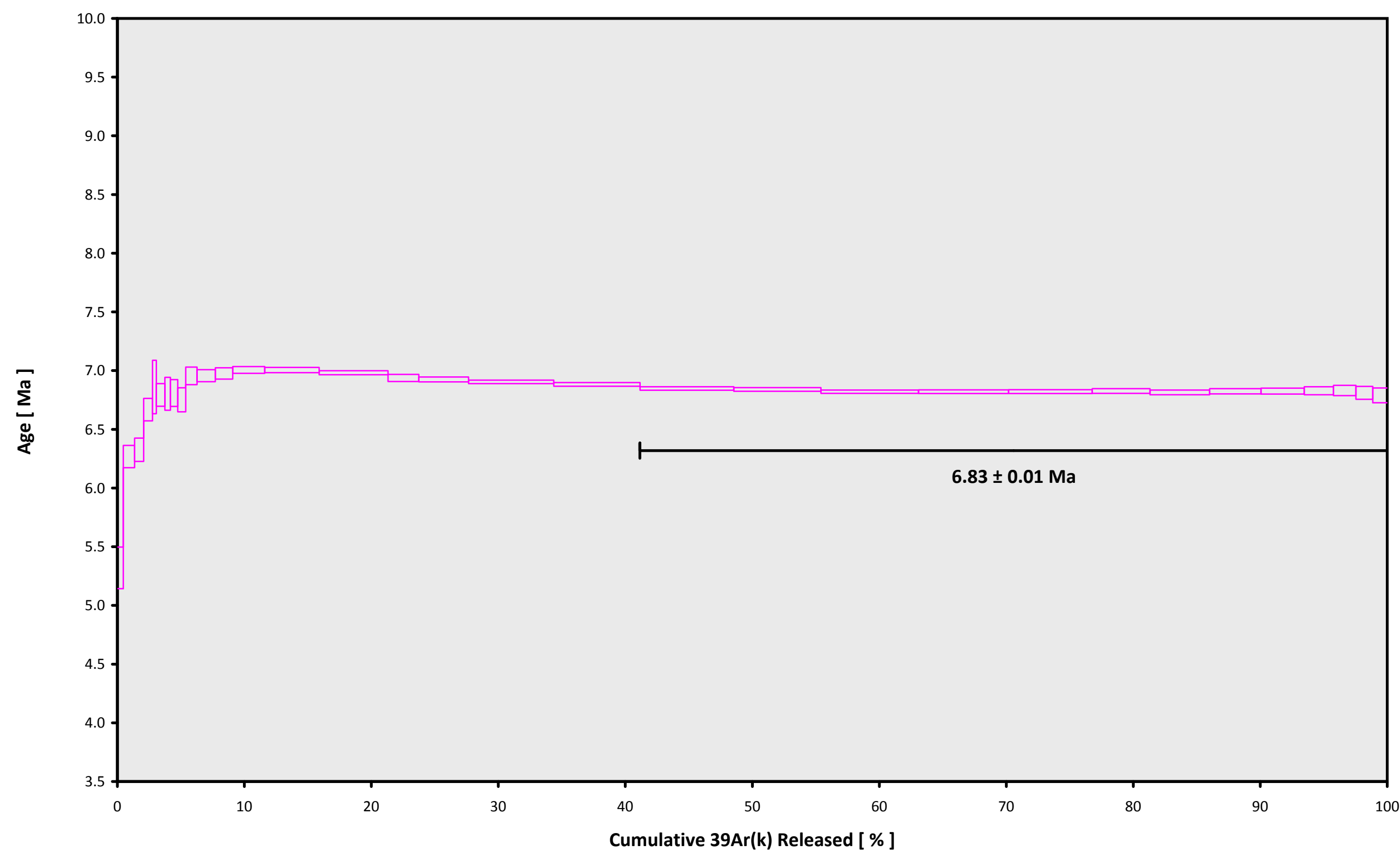
Intercept Values		36Ar ± 1σ (SE) [fA]		r2	Regression (type,n)	37Ar ± 1σ (SE) [fA]		r2	Regression (type,n)	38Ar ± 1σ (SE) [fA]		r2	Regression (type,n)	39Ar ± 1σ (SE) [fA]		r2	Regression (type,n)	40Ar ± 1σ (SE) [fA]		r2	Regression (type,n)
18D25361	1.8 %	0.0877154 ± 0.0005365	0.4990	EXP	150 of 150	0.4384268 ± 0.0174647	0.0316	EXP	147 of 150	0.0951136 ± 0.0164360	0.0039	EXP	146 of 150	7.261794 ± 0.015139	0.8712	EXP	148 of 150	39.959975 ± 0.023667	0.9990	EXP	149 of 150
18D25363	1.9 %	0.0904827 ± 0.0005385	0.4716	EXP	150 of 150	0.9836517 ± 0.0174279	0.0963	EXP	150 of 150	0.1856053 ± 0.0185177	0.0091	EXP	150 of 150	13.944255 ± 0.017286	0.9591	EXP	150 of 150	57.316029 ± 0.025736	0.9980	EXP	149 of 150
18D25364	2.0 %	0.0619683 ± 0.0003958	0.6673	EXP	149 of 150	0.7618355 ± 0.0169270	0.0462	EXP	149 of 150	0.1099062 ± 0.0172529	0.0005	EXP	150 of 150	11.144487 ± 0.015811	0.9455	EXP	150 of 150	42.631326 ± 0.025215	0.9979	EXP	150 of 150
18D25365	2.1 %	0.0508736 ± 0.0003551	0.7602	EXP	150 of 150	0.7729143 ± 0.0188238	0.0450	EXP	149 of 150	0.1244816 ± 0.0186770	0.0017	EXP	150 of 150	11.004452 ± 0.014652	0.9522	EXP	150 of 150	40.132841 ± 0.018603	0.9986	EXP	148 of 150
18D25367	2.2 %	0.0355861 ± 0.0003496	0.7505	EXP	150 of 150	0.2491758 ± 0.0193769	0.0254	EXP	150 of 150	0.0121240 ± 0.0172308	0.0013	EXP	147 of 150	4.604256 ± 0.016494	0.6778	EXP	150 of 150	21.224107 ± 0.018139	0.9985	EXP	150 of 150
18D25368	2.3 %	0.0438292 ± 0.0003154	0.7274	EXP	149 of 150	0.7922018 ± 0.0201354	0.0791	EXP	150 of 150	0.1100429 ± 0.0140650	0.0053	EXP	147 of 150	10.635352 ± 0.016657	0.9392	EXP	150 of 150	37.525989 ± 0.020531	0.9973	EXP	150 of 150
18D25369	2.4 %	0.0368439 ± 0.0002651	0.8181	EXP	144 of 150	0.4956427 ± 0.0206211	0.0428	EXP	150 of 150	0.0804934 ± 0.0177723	0.0171	EXP	150 of 150	6.860610 ± 0.014671	0.8743	EXP	149 of 150	26.681780 ± 0.018542	0.9981	EXP	150 of 150
18D25371	2.5 %	0.0399951 ± 0.0003182	0.6858	EXP	150 of 150	0.6009351 ± 0.0209538	0.0025	EXP	150 of 150	0.0612679 ± 0.0192828	0.0073	EXP	150 of 150	8.932374 ± 0.016338	0.9194	EXP	150 of 150	32.605278 ± 0.018222	0.9975	EXP	148 of 150
18D25372	2.7 %	0.0398542 ± 0.0002973	0.6977	EXP	148 of 150	0.7050914 ± 0.0178783	0.0222	EXP	149 of 150	0.0839436 ± 0.0170103	0.0017	EXP	150 of 150	9.753071 ± 0.015749	0.9408	EXP	149 of 150	34.233926 ± 0.017227	0.9976	EXP	147 of 150
18D25373	3.0 %	0.0405861 ± 0.0003434	0.6681	EXP	150 of 150	1.0934654 ± 0.0189894	0.1557	EXP	149 of 150	0.1191684 ± 0.0155807	0.0026	EXP	150 of 150	14.045046 ± 0.015671	0.9704	EXP	150 of 150	45.269558 ± 0.020743	0.9949	EXP	149 of 150
18D25375	3.4 %	0.0478138 ± 0.0004144	0.4397	EXP	150 of 150	1.8092200 ± 0.0184662	0.2912	EXP	150 of 150	0.2228787 ± 0.0169242	0.0092	EXP	150 of 150	22.404585 ± 0.016297	0.9874	EXP	149 of 150	67.263765 ± 0.020937	0.9870	EXP	150 of 150
18D25376	3.8 %	0.0435306 ± 0.0003185	0.6635	EXP	150 of 150	1.7145797 ± 0.0188362	0.2590	EXP	150 of 150	0.2262809 ± 0.0168010	0.0261	EXP	148 of 150	21.387886 ± 0.015436	0.9873	EXP	150 of 150	63.711430 ± 0.021714	0.9875	EXP	150 of 150
18D25377	4.2 %	0.0541032 ± 0.0003814	0.5593	EXP	150 of 150	3.3480442 ± 0.0177729	0.5614	EXP	147 of 150	0.4237744 ± 0.0172419	0.0513	EXP	150 of 150	39.421795 ± 0.016516	0.9958	EXP	149 of 150	109.890524 ± 0.025611	0.0445	EXP	150 of 150
18D25379	4.6 %	0.0815289 ± 0.0005220	0.1797	EXP	150 of 150	6.0304401 ± 0.0190973	0.7857	EXP	150 of 150	0.7399828 ± 0.0159856	0.1123	EXP	145 of 150	66.989649 ± 0.020171	0.9978	EXP	150 of 150	183.426283 ± 0.028581	0.9933	EXP	148 of 150
18D25380	5.2 %	0.0757599 ± 0.0004543	0.3309	EXP	150 of 150	8.0754588 ± 0.0199519	0.8492	EXP	150 of 150	0.9606843 ± 0.0170361	0.0987	EXP	150 of 150	84.937725 ± 0.021404	0.9985	EXP	150 of 150	222.772773 ± 0.026263	0.9974	EXP	150 of 150
18D25381	5.8 %	0.0508007 ± 0.0003708	0.5426	EXP	150 of 150	3.5914633 ± 0.0184745	0.5032	EXP	149 of 150	0.4091361 ± 0.0165313	0.0371	EXP	150 of 150	37.971454 ± 0.017274	0.9947	EXP	148 of 150	104.084385 ± 0.023948	0.0085	EXP	149 of 150
18D25383	6.5 %	0.0600012 ± 0.0003910	0.4643	EXP	150 of 150	6.0955859 ± 0.0175096	0.8167	EXP	147 of 150	0.6924956 ± 0.0174570	0.1091	EXP	150 of 150	61.297490 ± 0.019102	0.9977	EXP	150 of 150	160.737240 ± 0.024632	0.9921	EXP	147 of 150
18D25384	7.2 %	0.0858077 ± 0.0004415	0.1931	EXP	150 of 150	10.8964801 ± 0.0192642	0.9209	EXP	147 of 150	1.1727865 ± 0.0165024	0.1192	EXP	150 of 150	105.049218 ± 0.020755	0.9991	EXP	147 of 150	269.076609 ± 0.027466	0.9987	EXP	148 of 150
18D25385	8.0 %	0.0868927 ± 0.0005292	0.1950	EXP	150 of 150	11.3767043 ± 0.0186786	0.9262	EXP	150 of 150	1.1909918 ± 0.0150304	0.1202	EXP	149 of 150	106.394131 ± 0.021338	0.9990	EXP	150 of 150	271.259587 ± 0.031164	0.9982	EXP	150 of 150
18D25387	8.9 %	0.0905726 ± 0.0004430	0.0785	EXP	148 of 150	12.7291553 ± 0.0192024	0.9388	EXP	150 of 150	1.3159849 ± 0.0162905	0.1412	EXP	148 of 150	115.587886 ± 0.022898	0.9991	EXP	150 of 150	291.625449 ± 0.027575	0.9990	EXP	149 of 150
18D25388	9.7 %	0.0932794 ± 0.0004475	0.0971	EXP	150 of 150	12.2642115 ± 0.0194168	0.9299	EXP	150 of 150	1.2106804 ± 0.0168142	0.1332	EXP	150 of 150	107.545361 ± 0.021196	0.9991	EXP	150 of 150	273.248915 ± 0.030495	0.9984	EXP	150 of 150
18D25389	10.6 %	0.0975568 ± 0.0004687	0.0805	EXP	150 of 150	14.3734071 ± 0.0189494	0.9532	EXP	149 of 150	1.3763208 ± 0.0154447	0.1558	EXP	150 of 150	120.256311 ± 0.021029	0.9993	EXP	150 of 150	301.797353 ± 0.028118	0.9990	EXP	150 of 150
18D25391	11.6 %	0.0977128 ± 0.0005028	0.1223	EXP	149 of 150	14.0626700 ± 0.0161147	0.9657	EXP	150 of 150	1.2857601 ± 0.0156580	0.2291	EXP	148 of 150	111.173851 ± 0.019921	0.9992	EXP	147 of 150	280.252887 ± 0.029510	0.9987	EXP	150 of 150
18D25392	12.5 %	0.0970761 ± 0.0005467	0.1067	EXP	149 of 150	13.9164680 ± 0.0197748	0.9442	EXP	150 of 150	1.2276185 ± 0.0189597	0.1985	EXP	150 of 150	103.370449 ± 0.023011	0.9988	EXP	150 of 150	261.425042 ± 0.027441	0.9985	EXP	150 of 150
18D25393	13.4 %	0.0788550 ± 0.0004693	0.2018	EXP	150 of 150	10.1671378 ± 0.0193954	0.9120	EXP	150 of 150	0.8090500 ± 0.0177035	0.0579	EXP	150 of 150	71.145508 ± 0.019185	0.9983	EXP	147 of 150	182.869534 ± 0.026012	0.9950	EXP	150 of 150
18D25395	14.6 %	0.0885238 ± 0.0004651	0.0323	EXP	150 of 150	11.1167654 ± 0.0174063	0.9377	EXP	150 of 150	0.8612017 ± 0.0154432	0.1567	EXP	147 of 150	73.573975 ± 0.018794	0.9984	EXP	150 of 150	190.200946 ± 0.027284	0.9958	EXP	150 of 150
18D25396	15.8 %	0.0895361 ± 0.0004562	0.0534	EXP	150 of 150	10.1572744 ± 0.0195602	0.9022	EXP	150 of 150	0.7273006 ± 0.0161470	0.0771	EXP	150 of 150	63.346805 ± 0.018279	0.9980	EXP	150 of 150	167.304493 ± 0.023538	0.9945	EXP	149 of 150
18D25397	17.6 %	0.0836526 ± 0.0004711	0.1070	EXP	148 of 150	9.1223225 ± 0.0184614	0.8875	EXP	150 of 150	0.6256387 ± 0.0166657	0.1043	EXP	150 of 150	53.585420 ± 0.018702	0.9970	EXP	150 of 150	143.256411 ± 0.023028	0.9883	EXP	150 of 150
18D25399	18.6 %	0.0735860 ± 0.0004173	0.1125	EXP	150 of 150	6.6215267 ± 0.0174010	0.8480	EXP	147 of 150	0.3787872 ± 0.0153602	0.0053	EXP	149 of 150	36.084609 ± 0.017447	0.9943	EXP	148 of 150	101.107948 ± 0.021143	0.8375	EXP	150 of 150
18D25400	19.7 %	0.0714237 ± 0.0004256	0.0777	EXP	150 of 150	5.3135449 ± 0.0202610	0.6859	EXP	150 of 150	0.3005061 ± 0.0167749	0.0066	EXP	150 of 150	27.581910 ± 0.016907	0.9908	EXP	148 of 150	81.624184 ± 0.022836	0.7374	EXP	150 of 150
18D25401	20.9 %	0.0645106 ± 0.0003979	0.2064	EXP	150 of 150	4.1532823 ± 0.0162771	0.7213	EXP	148 of 150	0.2333264 ± 0.0171085	0.0153	EXP	150 of 150	20.786611 ± 0.017875	0.9815	EXP	150 of 150	64.428527 ± 0.021057	0.9641	EXP	150 of 150
18D25403	22.5 %	0.0654627 ± 0.0003917	0.1609	EXP	150 of 150	3.7000401 ± 0.0199856	0.5032	EXP	150 of 150	0.2042964 ± 0.0163753	0.0167	EXP	150 of 150	17.829144 ± 0.016270	0.9781	EXP	150 of 150	58.209570 ± 0.017893	0.9789	EXP	150 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
18D25361	1.8 %	Dan Miggins	18-OSU-04	999.00	999.00	23.27	Oregon\McClaghry (18-09)	18D25357	01
18D25363	1.9 %	Dan Miggins	18-OSU-04	999.00	999.00	23.27	Oregon\McClaghry (18-09)	18D25357	01
18D25364	2.0 %	Dan Miggins	18-OSU-04	999.00	999.00	23.27	Oregon\McClaghry (18-09)	18D25357	01
18D25365	2.1 %	Dan Miggins	18-OSU-04	999.00	999.00	23.27	Oregon\McClaghry (18-09)	18D25357	01
18D25367	2.2 %	Dan Miggins	18-OSU-04	999.00	999.00	23.27	Oregon\McClaghry (18-09)	18D25357	01
18D25368	2.3 %	Dan Miggins	18-OSU-04	999.00	999.00	23.27	Oregon\McClaghry (18-09)	18D25357	01
18D25369	2.4 %	Dan Miggins	18-OSU-04	999.00	999.00	23.27	Oregon\McClaghry (18-09)	18D25357	01
18D25371	2.5 %	Dan Miggins	18-OSU-04	999.00	999.00	23.27	Oregon\McClaghry (18-09)	18D25357	01
18D25372	2.7 %	Dan Miggins	18-OSU-04	999.00	999.00	23.27	Oregon\McClaghry (18-09)	18D25357	01
18D25373	3.0 %	Dan Miggins	18-OSU-04	999.00	999.00	23.27	Oregon\McClaghry (18-09)	18D25357	01
18D25375	3.4 %	Dan Miggins	18-OSU-04	999.00	999.00	23.27	Oregon\McClaghry (18-09)	18D25357	01
18D25376	3.8 %	Dan Miggins	18-OSU-04	999.00	999.00	23.27	Oregon\McClaghry (18-09)	18D25357	01
18D25377	4.2 %	Dan Miggins	18-OSU-04	999.00	999.00	23.27	Oregon\McClaghry (18-09)	18D25357	01
18D25379	4.6 %	Dan Miggins	18-OSU-04	999.00	999.00	23.27	Oregon\McClaghry (18-09)	18D25357	01
18D25380	5.2 %	Dan Miggins	18-OSU-04	999.00	999.00	23.27	Oregon\McClaghry (18-09)	18D25357	01
18D25381	5.8 %	Dan Miggins	18-OSU-04	999.00	999.00	23.27	Oregon\McClaghry (18-09)	18D25357	01
18D25383	6.5 %	Dan Miggins	18-OSU-04	999.00	999.00	23.27	Oregon\McClaghry (18-09)	18D25357	01
18D25384	7.2 %	Dan Miggins	18-OSU-04	999.00	999.00	23.27	Oregon\McClaghry (18-09)	18D25357	01
18D25385	8.0 %	Dan Miggins	18-OSU-04	999.00	999.00	23.27	Oregon\McClaghry (18-09)	18D25357	01
18D25387	8.9 %	Dan Miggins	18-OSU-04	999.00	999.00	23.27	Oregon\McClaghry (18-09)	18D25357	01
18D25388	9.7 %	Dan Miggins	18-OSU-04	999.00	999.00	23.27	Oregon\McClaghry (18-09)	18D25357	01
18D25389	10.6 %	Dan Miggins	18-OSU-04	999.00	999.00	23.27	Oregon\McClaghry (18-09)	18D25357	01
18D25391	11.6 %	Dan Miggins	18-OSU-04	999.00	999.00	23.27	Oregon\McClaghry (18-09)	18D25357	01
18D25392	12.5 %	Dan Miggins	18-OSU-04	999.00	999.00	23.27	Oregon\McClaghry (18-09)	18D25357	01
18D25393	13.4 %	Dan Miggins	18-OSU-04	999.00	999.00	23.27	Oregon\McClaghry (18-09)	18D25357	01
18D25395	14.6 %	Dan Miggins	18-OSU-04	999.00	999.00	23.27	Oregon\McClaghry (18-09)	18D25357	01
18D25396	15.8 %	Dan Miggins	18-OSU-04	999.00	999.00	23.27	Oregon\McClaghry (18-09)	18D25357	01
18D25397	17.6 %	Dan Miggins	18-OSU-04	999.00	999.00	23.27	Oregon\McClaghry (18-09)	18D25357	01
18D25399	18.6 %	Dan Miggins	18-OSU-04	999.00	999.00	23.27	Oregon\McClaghry (18-09)	18D25357	01
18D25400	19.7 %	Dan Miggins	18-OSU-04	999.00	999.00	23.27	Oregon\McClaghry (18-09)	18D25357	01
18D25401	20.9 %	Dan Miggins	18-OSU-04	999.00	999.00	23.27	Oregon\McClaghry (18-09)	18D25357	01
18D25403	22.5 %	Dan Miggins	18-OSU-04	999.00	999.00	23.27	Oregon\McClaghry (18-09)	18D25357	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
18D25361	1.8 %	660-MCBJ-16	Groundmass	Mill Creek Buttes	FCT-NM (4C14-18)	28.201	0.082	Kuiper et al (2008)	9.93846	0.075	0.00158147	0.075	305.878	0.132	0.9915069	0.066	1	4.8E-14	20	OCT	2018	15	41	1
18D25363	1.9 %	660-MCBJ-16	Groundmass	Mill Creek Buttes	FCT-NM (4C14-18)	28.201	0.082	Kuiper et al (2008)	9.93846	0.075	0.00158147	0.075	305.878	0.132	0.9915069	0.066	1	4.8E-14	20	OCT	2018	16	7	1
18D25364	2.0 %	660-MCBJ-16	Groundmass	Mill Creek Buttes	FCT-NM (4C14-18)	28.201	0.082	Kuiper et al (2008)	9.93846	0.075	0.00158147	0.075	305.878	0.132	0.9915069	0.066	1	4.8E-14	20	OCT	2018	16	20	1
18D25365	2.1 %	660-MCBJ-16	Groundmass	Mill Creek Buttes	FCT-NM (4C14-18)	28.201	0.082	Kuiper et al (2008)	9.93846	0.075	0.00158147	0.075	305.878	0.132	0.9915069	0.066	1	4.8E-14	20	OCT	2018	16	33	1
18D25367	2.2 %	660-MCBJ-16	Groundmass	Mill Creek Buttes	FCT-NM (4C14-18)	28.201	0.082	Kuiper et al (2008)	9.93846	0.075	0.00158147	0.075	305.878	0.132	0.9915069	0.066	1	4.8E-14	20	OCT	2018	16	59	1
18D25368	2.3 %	660-MCBJ-16	Groundmass	Mill Creek Buttes	FCT-NM (4C14-18)	28.201	0.082	Kuiper et al (2008)	9.93846	0.075	0.00158147	0.075	305.878	0.132	0.9915069	0.066	1	4.8E-14	20	OCT	2018	17	13	1
18D25369	2.4 %	660-MCBJ-16	Groundmass	Mill Creek Buttes	FCT-NM (4C14-18)	28.201	0.082	Kuiper et al (2008)	9.93846	0.075	0.00158147	0.075	305.878	0.132	0.9915069	0.066	1	4.8E-14	20	OCT	2018	17	26	1
18D25371	2.5 %	660-MCBJ-16	Groundmass	Mill Creek Buttes	FCT-NM (4C14-18)	28.201	0.082	Kuiper et al (2008)	9.93846	0.075	0.00158147	0.075	305.878	0.132	0.9915069	0.066	1	4.8E-14	20	OCT	2018	17	52	1
18D25372	2.7 %	660-MCBJ-16	Groundmass	Mill Creek Buttes	FCT-NM (4C14-18)	28.201	0.082	Kuiper et al (2008)	9.93846	0.075	0.00158147	0.075	305.878	0.132	0.9915069	0.066	1	4.8E-14	20	OCT	2018	18	5	1
18D25373	3.0 %	660-MCBJ-16	Groundmass	Mill Creek Buttes	FCT-NM (4C14-18)	28.201	0.082	Kuiper et al (2008)	9.93846	0.075	0.00158147	0.075	305.878	0.132	0.9915069	0.066	1	4.8E-14	20	OCT	2018	18	18	1
18D25375	3.4 %	660-MCBJ-16	Groundmass	Mill Creek Buttes	FCT-NM (4C14-18)	28.201	0.082	Kuiper et al (2008)	9.93846	0.075	0.00158147	0.075	305.878	0.132	0.9915069	0.066	1	4.8E-14	20	OCT	2018	18	44	1
18D25376	3.8 %	660-MCBJ-16	Groundmass	Mill Creek Buttes	FCT-NM (4C14-18)	28.201	0.082	Kuiper et al (2008)	9.93846	0.075	0.00158147	0.075	305.878	0.132	0.9915069	0.066	1	4.8E-14	20	OCT	2018	18	58	1
18D25377	4.2 %	660-MCBJ-16	Groundmass	Mill Creek Buttes	FCT-NM (4C14-18)	28.201	0.082	Kuiper et al (2008)	9.93846	0.075	0.00158147	0.075	305.878	0.132	0.9915069	0.066	1	4.8E-14	20	OCT	2018	19	11	1
18D25379	4.6 %	660-MCBJ-16	Groundmass	Mill Creek Buttes	FCT-NM (4C14-18)	28.201	0.082	Kuiper et al (2008)	9.93846	0.075	0.00158147	0.075	305.878	0.132	0.9915069	0.066	1	4.8E-14	20	OCT	2018	19	37	1
18D25380	5.2 %	660-MCBJ-16	Groundmass	Mill Creek Buttes	FCT-NM (4C14-18)	28.201	0.082	Kuiper et al (2008)	9.93846	0.075	0.00158147	0.075	305.878	0.132	0.9915069	0.066	1	4.8E-14	20	OCT	2018	19	50	1
18D25381	5.8 %	660-MCBJ-16	Groundmass	Mill Creek Buttes	FCT-NM (4C14-18)	28.201	0.082	Kuiper et al (2008)	9.93846	0.075	0.00158147	0.075	305.878	0.132	0.9915069	0.066	1	4.8E-14	20	OCT	2018	20	3	1
18D25383	6.5 %	660-MCBJ-16	Groundmass	Mill Creek Buttes	FCT-NM (4C14-18)	28.201	0.082	Kuiper et al (2008)	9.93846	0.075	0.00158147	0.075	305.878	0.132	0.9915069	0.066	1	4.8E-14	20	OCT	2018	20	30	1
18D25384	7.2 %	660-MCBJ-16	Groundmass	Mill Creek Buttes	FCT-NM (4C14-18)	28.201	0.082	Kuiper et al (2008)	9.93846	0.075	0.00158147	0.075	305.878	0.132	0.9915069	0.066	1	4.8E-14	20	OCT	2018	20	43	1
18D25385	8.0 %	660-MCBJ-16	Groundmass	Mill Creek Buttes	FCT-NM (4C14-18)	28.201	0.082	Kuiper et al (2008)	9.93846	0.075	0.00158147	0.075	305.878	0.132	0.9915069	0.066	1	4.8E-14	20	OCT	2018	20	56	1
18D25387	8.9 %	660-MCBJ-16	Groundmass	Mill Creek Buttes	FCT-NM (4C14-18)	28.201	0.082	Kuiper et al (2008)	9.93846	0.075	0.00158147	0.075	305.878	0.132	0.9915069	0.066	1	4.8E-14	20	OCT	2018	21	22	1
18D25388	9.7 %	660-MCBJ-16	Groundmass	Mill Creek Buttes	FCT-NM (4C14-18)	28.201	0.082	Kuiper et al (2008)	9.93846	0.075	0.00158147	0.075	305.878	0.132	0.9915069	0.066	1	4.8E-14	20	OCT	2018	21	35	1
18D25389	10.6 %	660-MCBJ-16	Groundmass	Mill Creek Buttes	FCT-NM (4C14-18)	28.201	0.082	Kuiper et al (2008)	9.93846	0.075	0.00158147	0.075	305.878	0.132	0.9915069	0.066	1	4.8E-14	20	OCT	2018	21	48	1
18D25391	11.6 %	660-MCBJ-16	Groundmass	Mill Creek Buttes	FCT-NM (4C14-18)	28.201	0.082	Kuiper et al (2008)	9.93846	0.075	0.00158147	0.075	305.878	0.132	0.9915069	0.066	1	4.8E-14	20	OCT	2018	22	15	1
18D25392	12.5 %	660-MCBJ-16	Groundmass	Mill Creek Buttes	FCT-NM (4C14-18)	28.201	0.082	Kuiper et al (2008)	9.93846	0.075	0.00158147	0.075	305.878	0.132	0.9915069	0.066	1	4.8E-14	20	OCT	2018	22	28	1
18D25393	13.4 %	660-MCBJ-16	Groundmass	Mill Creek Buttes	FCT-NM (4C14-18)	28.201	0.082	Kuiper et al (2008)	9.93846	0.075	0.00158147	0.075	305.878	0.132	0.9915069	0.066	1	4.8E-14	20	OCT	2018	22	41	1
18D25395	14.6 %	660-MCBJ-16	Groundmass	Mill Creek Buttes	FCT-NM (4C14-18)	28.201	0.082	Kuiper et al (2008)	9.93846	0.075	0.00158147	0.075	305.878	0.132	0.9915069	0.066	1	4.8E-14	20	OCT	2018	23	7	1
18D25396	15.8 %	660-MCBJ-16	Groundmass	Mill Creek Buttes	FCT-NM (4C14-18)	28.201	0.082	Kuiper et al (2008)	9.93846	0.075	0.00158147	0.075	305.878	0.132	0.9915069	0.066	1	4.8E-14	20	OCT	2018	23	20	1
18D25397	17.6 %	660-MCBJ-16	Groundmass	Mill Creek Buttes	FCT-NM (4C14-18)	28.201	0.082	Kuiper et al (2008)	9.93846	0.075	0.00158147	0.075	305.878	0.132	0.9915069	0.066	1	4.8E-14	20	OCT	2018	23	33	1
18D25399	18.6 %	660-MCBJ-16	Groundmass	Mill Creek Buttes	FCT-NM (4C14-18)	28.201	0.082	Kuiper et al (2008)	9.93846	0.075	0.00158147	0.075	305.878	0.132	0.9915069	0.066	1	4.8E-14	21	OCT	2018	0	0	1
18D25400	19.7 %	660-MCBJ-16	Groundmass	Mill Creek Buttes	FCT-NM (4C14-18)	28.201	0.082	Kuiper et al (2008)	9.93846	0.075	0.00158147	0.075	305.878	0.132	0.9915069	0.066	1	4.8E-14	21	OCT	2018	0	13	1
18D25401	20.9 %	660-MCBJ-16	Groundmass	Mill Creek Buttes	FCT-NM (4C14-18)	28.201	0.082	Kuiper et al (2008)	9.93846	0.075	0.00158147	0.075	305.878	0.132	0.9915069	0.066	1	4.8E-14	21	OCT	2018	0	26	1
18D25403	22.5 %	660-MCBJ-16	Groundmass	Mill Creek Buttes	FCT-NM (4C14-18)	28.201	0.082	Kuiper et al (2008)	9.93846	0.075	0.00158147	0.075	305.878	0.132	0.9915069	0.066	1	4.8E-14	21	OCT	2018	0	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
18D25361	1.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000643	0.92	0.00018	9.63	0.00027	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
18D25363	1.9 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000643	0.92	0.00018	9.63	0.00027	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
18D25364	2.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000643	0.92	0.00018	9.63	0.00027	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
18D25365	2.1 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000643	0.92	0.00018	9.63	0.00027	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
18D25367	2.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000643	0.92	0.00018	9.63	0.00027	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
18D25368	2.3 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000643	0.92	0.00018	9.63	0.00027	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
18D25369	2.4 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000643	0.92	0.00018	9.63	0.00027	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
18D25371	2.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000643	0.92	0.00018	9.63	0.00027	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
18D25372	2.7 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000643	0.92	0.00018	9.63	0.00027	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
18D25373	3.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000643	0.92	0.00018	9.63	0.00027	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
18D25375	3.4 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000643	0.92	0.00018	9.63	0.00027	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
18D25376	3.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000643	0.92	0.00018	9.63	0.00027	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
18D25377	4.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000643	0.92	0.00018	9.63	0.00027	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
18D25379	4.6 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000643	0.92	0.00018	9.63	0.00027	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
18D25380	5.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000643	0.92	0.00018	9.63	0.00027	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
18D25381	5.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000643	0.92	0.00018	9.63	0.00027	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
18D25383	6.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000643	0.92	0.00018	9.63	0.00027	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
18D25384	7.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000643	0.92	0.00018	9.63	0.00027	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
18D25385	8.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000643	0.92	0.00018	9.63	0.00027	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
18D25387	8.9 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000643	0.92	0.00018	9.63	0.00027	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
18D25388	9.7 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000643	0.92	0.00018	9.63	0.00027	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
18D25389	10.6 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000643	0.92	0.00018	9.63	0.00027	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
18D25391	11.6 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000643	0.92	0.00018	9.63	0.00027	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
18D25392	12.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000643	0.92	0.00018	9.63	0.00027	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
18D25393	13.4 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000643	0.92	0.00018	9.63	0.00027	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
18D25395	14.6 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000643	0.92	0.00018	9.63	0.00027	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
18D25396	15.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000643	0.92	0.00018	9.63	0.00027	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
18D25397	17.6 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000643	0.92	0.00018	9.63	0.00027	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
18D25399	18.6 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000643	0.92	0.00018	9.63	0.00027	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
18D25400	19.7 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000643	0.92	0.00018	9.63	0.00027	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
18D25401	20.9 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000643	0.92	0.00018	9.63	0.00027	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0
18D25403	22.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000643	0.92	0.00018	9.63	0.00027	0.17	0.000607	9.65	0.012077	0.09	0	0	0.43	0	0	0	0	0

18D25357.AGE >>> 660-MCBJ-16 >>> OREGON | MCCLAUGHRY (18-09) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

6.83 ± 0.01

TOTAL FUSION

6.85 ± 0.01

NORMAL ISOCHRON

6.83 ± 0.01

INVERSE ISOCHRON

6.83 ± 0.01

MSWD (PROBABILITY)

1.42 (15%)

Sample Info

Groundmass

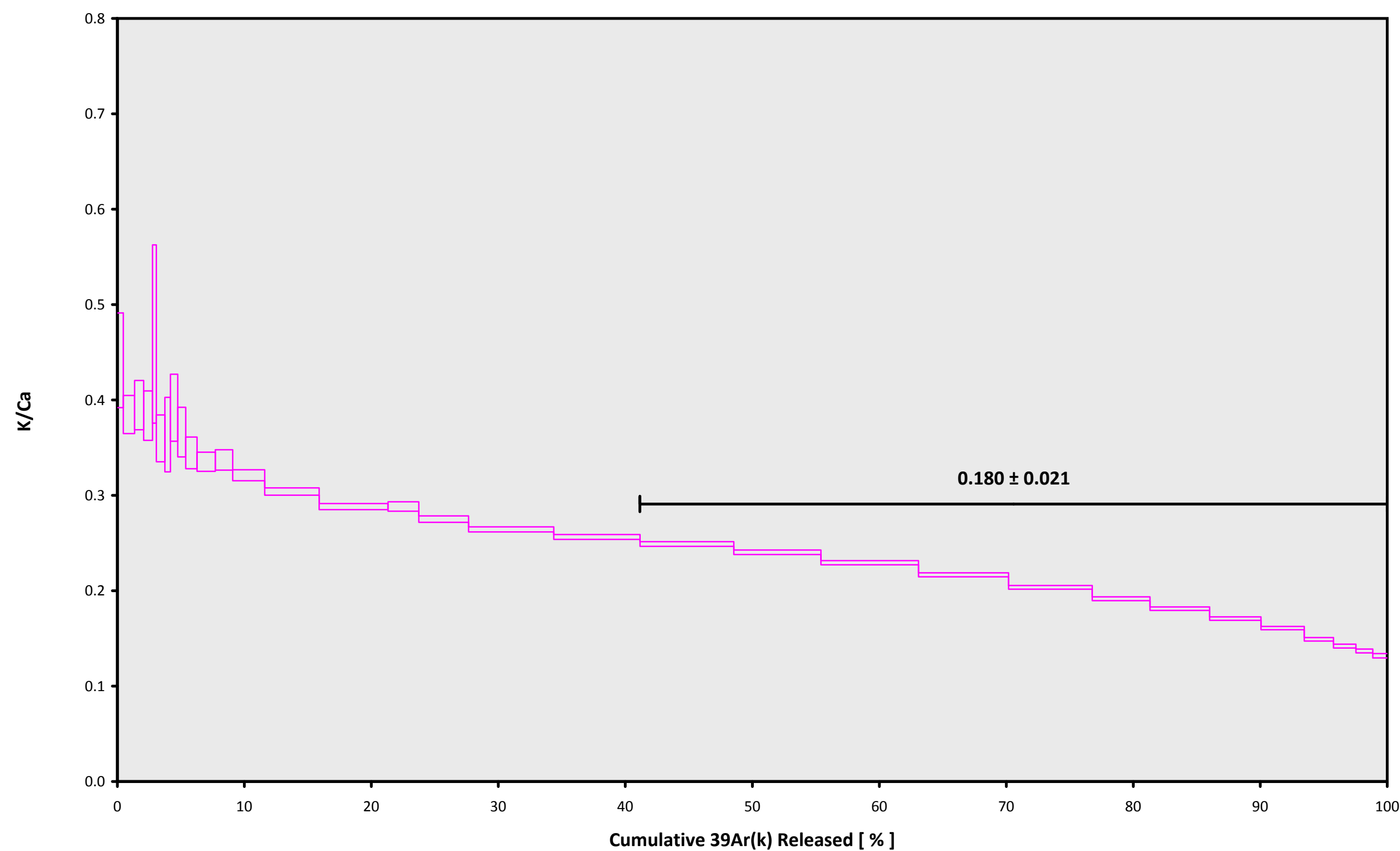
Mill Creek Buttes

Dan Miggins

IRR = 18-OSU-04 (4C14-18)

J = $0.00158147 \pm 0.00000119$

18D25357.AGE >>> 660-MCBJ-16 >>> OREGON | MCCLAUGHRY (18-09) PROJECT



Ar-Ages in Ma

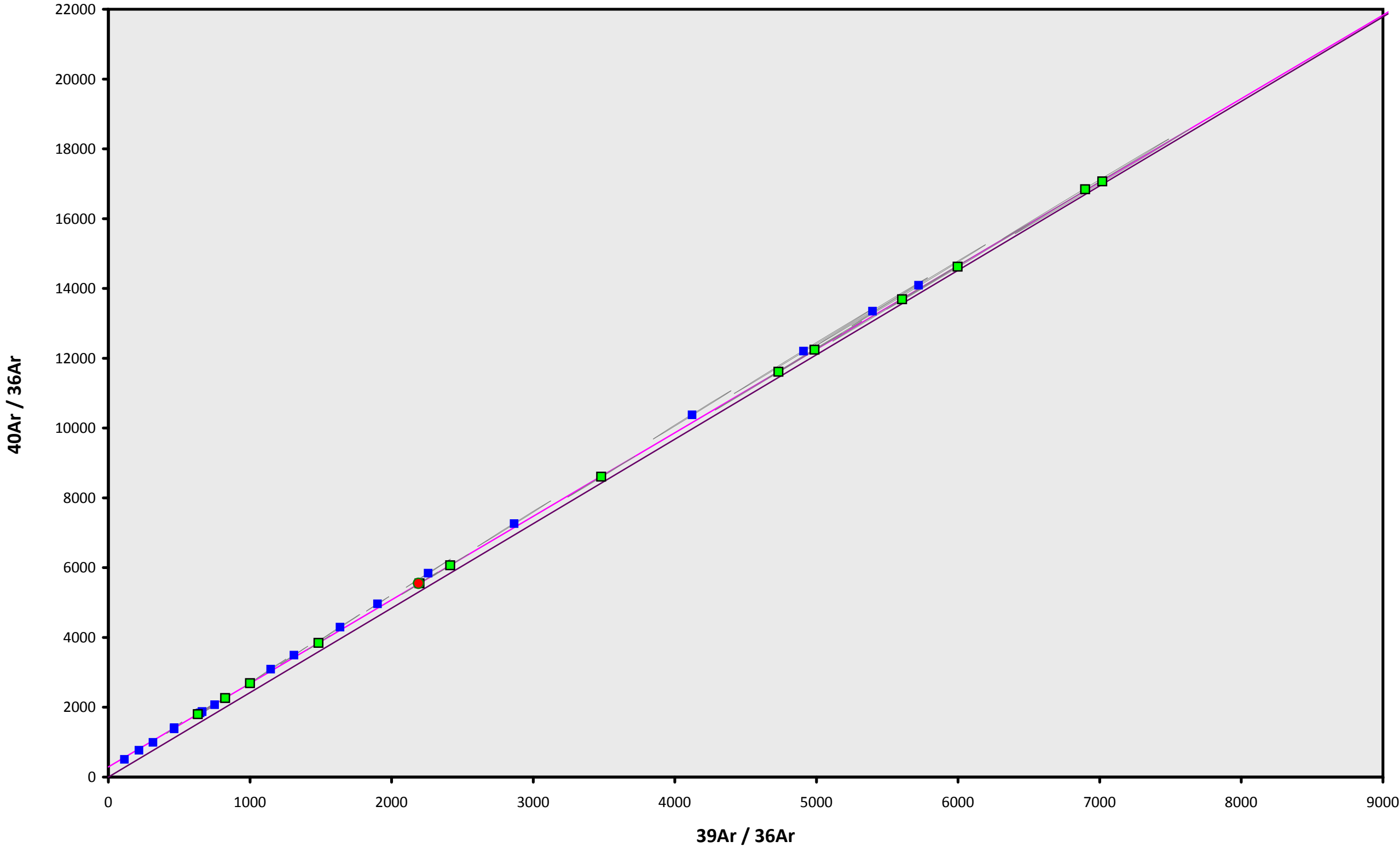
WEIGHTED PLATEAU
6.83 ± 0.01
TOTAL FUSION
6.85 ± 0.01
NORMAL ISOCHRON
6.83 ± 0.01
INVERSE ISOCHRON
6.83 ± 0.01

Sample Info

Groundmass
Mill Creek Buttes
Dan Miggins

IRR = 18-OSU-04 (4C14-18)
J = 0.00158147 ± 0.00000119

18D25357.AGE >>> 660-MCBJ-16 >>> OREGON | MCCLAUGHRY (18-09) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

6.83 ± 0.01

TOTAL FUSION

6.85 ± 0.01

NORMAL ISOCHRON

6.83 ± 0.01

INVERSE ISOCHRON

6.83 ± 0.01

MSWD (PROBABILITY)

1.37 (18%)

40AR/36AR INTERCEPT

288.9 ± 10.5

Sample Info

Groundmass

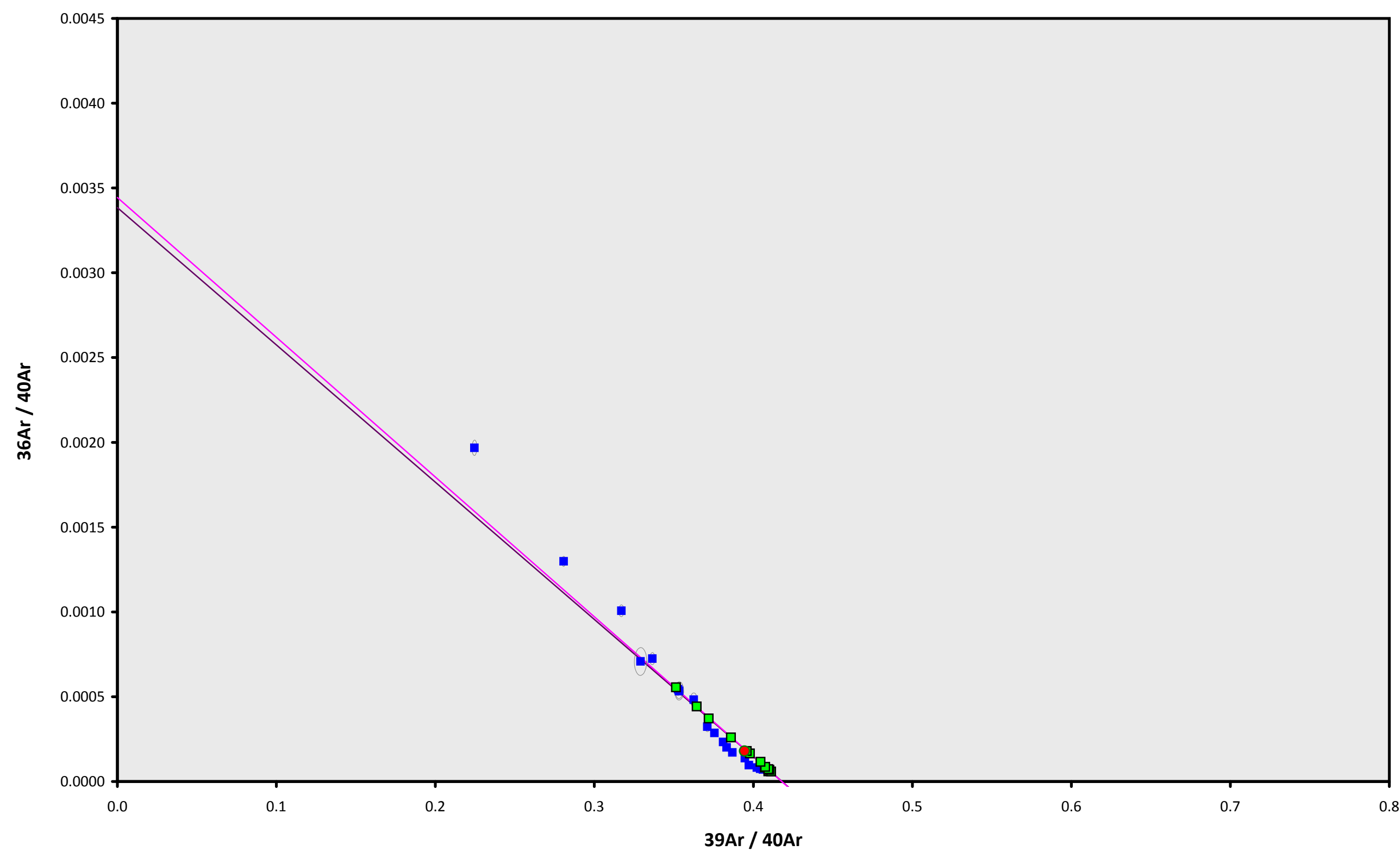
Mill Creek Buttes

Dan Miggins

IRR = 18-OSU-04 (4C14-18)

$J = 0.00158147 \pm 0.00000119$

18D25357.AGE >>> 660-MCBJ-16 >>> OREGON | MCCLAUGHRY (18-09) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

6.83 ± 0.01

TOTAL FUSION

6.85 ± 0.01

NORMAL ISOCHRON

6.83 ± 0.01

INVERSE ISOCHRON

6.83 ± 0.01

MSWD (PROBABILITY)

1.43 (15%)

SPREADING FACTOR

14.3%

40AR/36AR INTERCEPT

290.4 ± 10.7

Sample Info

Groundmass

Mill Creek Buttes

Dan Miggins

IRR = 18-OSU-04 (4C14-18)

$J = 0.00158147 \pm 0.00000119$