

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
16D30840	1.8 %	0.3718467	0.365	1.6344	4.660	0.086279	28.205	1.0649	3.213	110.8603	0.030	1.03801 ± 0.75885	2.77 ± 2.02	1.00	0.10	0.280 ± 0.032
16D30841	2.0 %	0.3343375	0.402	2.3037	3.382	0.114864	21.404	1.2741	2.753	101.2030	0.034	2.03018 ± 0.63612	5.41 ± 1.69	2.55	0.12	0.238 ± 0.021
16D30843	2.4 %	0.5061136	0.361	5.0333	1.592	0.164422	14.947	2.2151	1.537	153.5643	0.024	1.98771 ± 0.49272	5.30 ± 1.31	2.86	0.21	0.189 ± 0.008
16D30844	2.8 %	0.3531593	0.389	6.0779	1.328	0.094315	25.099	2.4563	1.433	107.5335	0.033	1.48593 ± 0.33542	3.96 ± 0.89	3.39	0.23	0.173 ± 0.007
16D30846	3.0 %	0.3308224	0.381	6.6686	1.215	0.108567	20.839	2.5452	1.367	100.3768	0.034	1.23359 ± 0.29608	3.29 ± 0.79	3.12	0.24	0.164 ± 0.006
16D30847	3.3 %	0.6533328	0.327	11.1402	0.725	0.180197	12.848	3.8833	0.896	199.5531	0.021	1.89779 ± 0.32794	5.06 ± 0.87	3.69	0.37	0.150 ± 0.003
16D30849	3.6 %	0.3971199	0.374	13.7221	0.622	0.145727	16.169	4.5255	0.768	122.6632	0.028	1.41207 ± 0.19611	3.76 ± 0.52	5.20	0.43	0.142 ± 0.003
16D30850	3.9 %	0.2878883	0.403	15.8566	0.539	0.121716	18.394	5.0171	0.707	91.0224	0.038	1.43422 ± 0.13932	3.82 ± 0.37	7.89	0.47	0.136 ± 0.002
16D30852	4.3 %	0.2956777	0.411	21.2846	0.458	0.154241	16.253	6.4222	0.543	95.3798	0.035	1.50720 ± 0.11388	4.02 ± 0.30	10.13	0.61	0.129 ± 0.002
16D30853	4.6 %	0.1826627	0.459	28.9116	0.366	0.168342	14.039	8.3940	0.414	64.6452	0.048	1.54185 ± 0.06108	4.11 ± 0.16	19.97	0.79	0.125 ± 0.001
16D30855	4.9 %	0.0806086	0.661	26.4195	0.378	0.102361	22.667	7.7074	0.461	32.9079	0.091	1.44842 ± 0.04382	3.86 ± 0.12	33.84	0.73	0.125 ± 0.001
16D30856	5.2 %	0.0634929	0.762	28.7284	0.373	0.125289	19.717	8.2011	0.422	28.5787	0.108	1.47234 ± 0.03793	3.93 ± 0.10	42.15	0.77	0.122 ± 0.001
16D30858	5.5 %	0.1064556	0.562	37.4489	0.314	0.138507	18.234	10.5067	0.340	44.4706	0.069	1.51886 ± 0.03583	4.05 ± 0.10	35.80	0.99	0.120 ± 0.001
16D30859	5.8 %	✓0.0316983	1.086	27.2491	0.372	0.114496	20.548	7.6007	0.452	18.3193	0.168	1.45974 ± 0.03108	3.89 ± 0.08	60.42	0.72	0.120 ± 0.001
16D30861	6.1 %	✓0.0645487	0.764	42.5662	0.311	0.175681	14.442	11.5392	0.308	32.5622	0.097	1.45904 ± 0.02752	3.89 ± 0.07	51.58	1.09	0.116 ± 0.001
16D30862	6.5 %	✓0.0583924	0.795	48.0831	0.294	0.144337	16.874	13.0419	0.277	32.2201	0.095	1.43735 ± 0.02312	3.83 ± 0.06	58.04	1.23	0.116 ± 0.001
16D30864	7.0 %	✓0.4830010	0.374	73.6352	0.267	0.317830	7.557	19.6261	0.195	165.7602	0.021	1.46877 ± 0.05503	3.92 ± 0.15	17.35	1.85	0.114 ± 0.001
16D30865	7.6 %	✓0.0669838	0.793	96.6248	0.258	0.298989	8.130	25.3801	0.153	48.7021	0.065	1.43849 ± 0.01352	3.84 ± 0.04	74.77	2.39	0.113 ± 0.001
16D30867	8.4 %	✓0.0865410	0.651	159.5676	0.249	0.488593	4.975	41.1051	0.110	72.3611	0.045	1.44371 ± 0.00905	3.85 ± 0.02	81.80	3.87	0.110 ± 0.001
16D30868	9.4 %	✓0.1149582	0.539	238.7904	0.246	0.752488	3.017	61.0978	0.091	103.2712	0.031	1.44181 ± 0.00688	3.84 ± 0.02	85.08	5.76	0.110 ± 0.001
16D30870	10.5 %	✓0.1278875	0.555	323.3519	0.245	0.988587	2.496	81.4463	0.081	128.8984	0.026	1.43106 ± 0.00601	3.82 ± 0.02	90.18	7.67	0.108 ± 0.001
16D30871	11.7 %	✓0.1655162	0.506	431.3186	0.244	1.282824	1.871	105.2959	0.077	166.2950	0.023	1.43732 ± 0.00558	3.83 ± 0.01	90.76	9.92	0.105 ± 0.001
16D30873	13.1 %	✓0.1667718	0.501	490.3772	0.244	1.492928	1.680	120.9245	0.075	184.0644	0.022	1.43384 ± 0.00503	3.82 ± 0.01	93.94	11.39	0.106 ± 0.001
16D30874	14.7 %	✓0.1782199	0.491	536.2573	0.244	1.564554	1.468	128.3245	0.074	194.2581	0.019	1.43248 ± 0.00498	3.82 ± 0.01	94.36	12.09	0.103 ± 0.001
16D30876	16.5 %	✓0.1542512	0.531	476.9874	0.244	1.385030	1.802	110.9876	0.076	167.7371	0.020	1.43919 ± 0.00531	3.84 ± 0.01	94.95	10.46	0.100 ± 0.001
16D30877	18.5 %	✓0.1476813	0.506	451.0309	0.244	1.282184	2.023	104.4509	0.076	158.4890	0.023	1.43974 ± 0.00522	3.84 ± 0.01	94.61	9.84	0.099 ± 0.001
16D30879	19.6 %	✓0.0895607	0.628	288.9310	0.245	0.878542	2.618	69.2889	0.087	103.0849	0.033	1.43418 ± 0.00583	3.82 ± 0.02	96.13	6.53	0.103 ± 0.001
16D30880	20.8 %	✓0.0648379	0.726	216.7324	0.246	0.671903	3.704	52.6401	0.097	76.9956	0.042	1.42285 ± 0.00639	3.79 ± 0.02	97.01	4.96	0.104 ± 0.001
16D30882	22.0 %	✓0.0548671	0.876	184.1386	0.247	0.588528	4.219	44.3676	0.104	65.2675	0.050	1.43245 ± 0.00749	3.82 ± 0.02	97.10	4.18	0.103 ± 0.001
Σ		6.0192350	0.093	4290.8715	0.071	14.132321	0.920	1061.3301	0.026	2971.0451	0.006					

Information on Analysis and Constants Used in Calculations	
Project = <b>MCCLAUGHRY (15-17)</b> Sample = <b>373-DFWJ-14</b> Material = <b>Plagioclase</b> Location = <b>Dufur</b> Region = <b>SW-Colombia</b> Analyst = <b>Anthony Koppers</b> Irradiation = <b>16-OSU-07 (7A41-16)</b> Position = <b>X: 0   Y: 0   Z/H: 53.72 mm</b> FCT-NM Age = <b>28.201 ± 0.023 Ma</b> FCT-NM Reference = <b>Kuiper et al (2008)</b> FCT-NM 40Ar/39Ar Ratio = <b>10.64920 ± 0.00713</b> FCT-NM J-value = <b>0.00147592 ± 0.00000099</b> Air Shot 40Ar/36Ar = <b>303.3480 ± 0.4399</b> Air Shot MDF = <b>0.99352382 ± 0.00067750 (LIN)</b> Experiment Type = <b>Incremental Heating</b> Extraction Method = <b>Undefined</b> Heating = <b>77 sec</b> Isolation = <b>1.50 min</b> Instrument = <b>ARGUS-VI-D</b> Preferred Age = <b>Undefined</b> Age Classification = <b>Undefined</b> IGSN = <b>25</b> Rock Class = <b>Undefined</b> Lithology = <b>Undefined</b> Lat-Lon = <b>Undefined - Undefined</b>	Age Equations = <b>Min et al. (2000)</b> Negative Intensities = <b>Allowed</b> Collector Calibrations = <b>36Ar</b> Decay 40K = <b>5.530 ± 0.048 E-10 1/a</b> Decay 39Ar = <b>2.940 ± 0.016 E-07 1/h</b> Decay 37Ar = <b>8.230 ± 0.012 E-04 1/h</b> Decay 36Cl = <b>2.257 ± 0.015 E-06 1/a</b> Decay 40K(EC,β <sup>+</sup> ) = <b>0.580 ± 0.009 E-10 1/a</b> Decay 40K(β <sup>-</sup> ) = <b>4.950 ± 0.043 E-10 1/a</b> Atmospheric 40/36(a) = <b>295.50</b> Atmospheric 38/36(a) = <b>0.1869</b> Production 39/37(ca) = <b>0.0006756 ± 0.0000089</b> Production 38/37(ca) = <b>0.0000718 ± 0.0000092</b> Production 36/37(ca) = <b>0.0002663 ± 0.0000004</b> Production 40/39(k) = <b>0.003823 ± 0.000102</b> Production 38/39(k) = <b>0.012031 ± 0.000019</b> Production 36/38(cl) = <b>262.80 ± 1.71</b> Scaling Ratio K/Ca = <b>0.430</b> Abundance Ratio 40K/K = <b>1.1700 ± 0.0100 E-04</b> Atomic Weight K = <b>39.0983 ± 0.0001 g</b>

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (% <sub>n</sub> )	K/Ca ± 2σ
Age Plateau Error Mean		1.43535 ± 0.00283 ± 0.20%	3.83 ± 0.01 ± 0.24%	2.62 0%	93.95 16	0.106 ± 0.003
		Full External Error ± 0.09 Analytical Error ± 0.01		1.73 1.6182	2σ Confidence Limit Error Magnification	
Total Fusion Age		1.44174 ± 0.00327 ± 0.23%	3.84 ± 0.01 ± 0.26%		29	0.106 ± 0.000
		Full External Error ± 0.09 Analytical Error ± 0.01				
Normal Isochron Error Chron	300.36 ± 3.93 ± 1.31%	1.42900 ± 0.00399 ± 0.28%	3.81 ± 0.01 ± 0.31%	3.85 0%	93.95 16	
		Full External Error ± 0.09 Analytical Error ± 0.01		1.76 1.9614	2σ Confidence Limit Error Magnification	
				1 0.0000116189	Number of Iterations Convergence	
Inverse Isochron Error Chron	298.32 ± 2.99 ± 1.00%	1.43410 ± 0.00295 ± 0.21%	3.82 ± 0.01 ± 0.25%	2.23 1%	93.95 16	
		Full External Error ± 0.09 Analytical Error ± 0.01		1.76 1.4926	2σ Confidence Limit Error Magnification	
				2 0.0000846751	Number of Iterations Convergence	
				81%	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
16D30840	1.8 %		0.3714112	1.6344	0.0039463	1.0638	1.1042	2.77 ± 2.02	1.00	0.10	0.280 ± 0.032
16D30841	2.0 %		0.3337212	2.3037	0.0370158	1.2726	2.5835	5.41 ± 1.69	2.55	0.12	0.238 ± 0.021
16D30843	2.4 %		0.5047701	5.0333	0.0431102	2.2117	4.3963	5.30 ± 1.31	2.86	0.21	0.189 ± 0.008
16D30844	2.8 %		0.3515408	6.0779	0.0000000	2.4522	3.6438	3.96 ± 0.89	3.39	0.23	0.173 ± 0.007
16D30846	3.0 %		0.3290454	6.6686	0.0160221	2.5407	3.1342	3.29 ± 0.79	3.12	0.24	0.164 ± 0.006
16D30847	3.3 %		0.6503653	11.1402	0.0112148	3.8757	7.3553	5.06 ± 0.87	3.69	0.37	0.150 ± 0.003
16D30849	3.6 %		0.3934644	13.7221	0.0168685	4.5162	6.3772	3.76 ± 0.52	5.20	0.43	0.142 ± 0.003
16D30850	3.9 %		0.2836652	15.8566	0.0073289	5.0063	7.1802	3.82 ± 0.37	7.89	0.47	0.136 ± 0.002
16D30852	4.3 %		0.2900081	21.2846	0.0214178	6.4078	9.6579	4.02 ± 0.30	10.13	0.61	0.129 ± 0.002
16D30853	4.6 %		0.1749611	28.9116	0.0328130	8.3745	12.9122	4.11 ± 0.16	19.97	0.79	0.125 ± 0.001
16D30855	4.9 %		0.0735731	26.4195	0.0000000	7.6895	11.1376	3.86 ± 0.12	33.84	0.73	0.125 ± 0.001
16D30856	5.2 %		0.0558414	28.7284	0.0143552	8.1817	12.0463	3.93 ± 0.10	42.15	0.77	0.122 ± 0.001
16D30858	5.5 %		0.0964830	37.4489	0.0000000	10.4814	15.9198	4.05 ± 0.10	35.80	0.99	0.120 ± 0.001
16D30859	5.8 %	✓	0.0244407	27.2491	0.0167493	7.5823	11.0681	3.89 ± 0.08	60.42	0.72	0.120 ± 0.001
16D30861	6.1 %	✓	0.0532116	42.5662	0.0241977	11.5104	16.7942	3.89 ± 0.07	51.58	1.09	0.116 ± 0.001
16D30862	6.5 %	✓	0.0455879	48.0831	0.0000000	13.0094	18.6991	3.83 ± 0.06	58.04	1.23	0.116 ± 0.001
16D30864	7.0 %	✓	0.4633919	73.6352	0.0000000	19.5764	28.7531	3.92 ± 0.15	17.35	1.85	0.114 ± 0.001
16D30865	7.6 %	✓	0.0412526	96.6248	0.0000000	25.3148	36.4152	3.84 ± 0.04	74.77	2.39	0.113 ± 0.001
16D30867	8.4 %	✓	0.0440481	159.5676	0.0000000	40.9973	59.1881	3.85 ± 0.02	81.80	3.87	0.110 ± 0.001
16D30868	9.4 %	✓	0.0513683	238.7904	0.0000000	60.9364	87.8589	3.84 ± 0.02	85.08	5.76	0.110 ± 0.001
16D30870	10.5 %	✓	0.0417789	323.3519	0.0000000	81.2278	116.2422	3.82 ± 0.02	90.18	7.67	0.108 ± 0.001
16D30871	11.7 %	✓	0.0506560	431.3186	0.0000000	105.0045	150.9247	3.83 ± 0.01	90.76	9.92	0.105 ± 0.001
16D30873	13.1 %	✓	0.0361843	490.3772	0.0000986	120.5932	172.9109	3.82 ± 0.01	93.94	11.39	0.106 ± 0.001
16D30874	14.7 %	✓	0.0354146	536.2573	0.0000000	127.9622	183.3039	3.82 ± 0.01	94.36	12.09	0.103 ± 0.001
16D30876	16.5 %	✓	0.0272284	476.9874	0.0142783	110.6654	159.2680	3.84 ± 0.01	94.95	10.46	0.100 ± 0.001
16D30877	18.5 %	✓	0.0275718	451.0309	0.0000000	104.1462	149.9434	3.84 ± 0.01	94.61	9.84	0.099 ± 0.001
16D30879	19.6 %	✓	0.0126166	288.9310	0.0241728	69.0937	99.0926	3.82 ± 0.02	96.13	6.53	0.103 ± 0.001
16D30880	20.8 %	✓	0.0071203	216.7324	0.0234592	52.4937	74.6909	3.79 ± 0.02	97.01	4.96	0.104 ± 0.001
16D30882	22.0 %	✓	0.0058279	184.1386	0.0419278	44.2432	63.3762	3.82 ± 0.02	97.10	4.18	0.103 ± 0.001
Σ			4.8765501	4290.8715	0.3489763	1058.4312	1525.9782				

Information on Analysis	Results	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (%,n)	K/Ca ± 2σ
Project = MCCLAUGHRY (15-17) Sample = 373-DFWJ-14 Material = Plagioclase Location = Dufur Region = SW-Colombia Analyst = Anthony Koppers Irradiation = 16-OSU-07 (7A41-16) J = 0.00147592 ± 0.00000099 FCT-NM = 28.201 ± 0.023 Ma	Age Plateau	1.43535 ± 0.00283	3.83 ± 0.01	2.62	93.95	0.106 ± 0.003
	Error Mean	± 0.20%	± 0.24%	0%	16	
		Full External Error ± 0.09		1.73	2σ Confidence Limit	
		Analytical Error ± 0.01		1.6182	Error Magnification	
	Total Fusion Age	1.44174 ± 0.00327 ± 0.23%	3.84 ± 0.01 ± 0.26%		29	0.106 ± 0.000
		Full External Error ± 0.09				
		Analytical Error ± 0.01				

Normal Isochron		39(k)/36(a) ± 2σ		40(a+r)/36(a) ± 2σ	r.i.
16D30840	1.8 %		2.86 ± 0.19	298.47 ± 2.19	0.1124
16D30841	2.0 %		3.81 ± 0.21	303.24 ± 2.45	0.1440
16D30843	2.4 %		4.38 ± 0.14	304.21 ± 2.21	0.2281
16D30844	2.8 %		6.98 ± 0.21	305.87 ± 2.40	0.2621
16D30846	3.0 %		7.72 ± 0.22	305.03 ± 2.34	0.2681
16D30847	3.3 %		5.96 ± 0.11	306.81 ± 2.02	0.3427
16D30849	3.6 %		11.48 ± 0.20	311.71 ± 2.36	0.4391
16D30850	3.9 %		17.65 ± 0.29	320.81 ± 2.64	0.4982
16D30852	4.3 %		22.10 ± 0.30	328.80 ± 2.77	0.6082
16D30853	4.6 %		47.86 ± 0.61	369.30 ± 3.56	0.7525
16D30855	4.9 %		104.52 ± 1.80	446.88 ± 6.53	0.8368
16D30856	5.2 %		146.52 ± 2.83	511.22 ± 8.95	0.8923
16D30858	5.5 %		108.63 ± 1.54	460.50 ± 5.76	0.8714
16D30859	5.8 %	✓	310.23 ± 9.21	748.36 ± 21.31	0.9457
16D30861	6.1 %	✓	216.31 ± 4.24	611.11 ± 11.43	0.9439
16D30862	6.5 %	✓	285.37 ± 6.05	705.68 ± 14.50	0.9610
16D30864	7.0 %	✓	42.25 ± 0.37	357.55 ± 2.80	0.8928
16D30865	7.6 %	✓	613.65 ± 16.08	1178.24 ± 30.69	0.9919
16D30867	8.4 %	✓	930.74 ± 24.47	1639.21 ± 42.97	0.9958
16D30868	9.4 %	✓	1186.27 ± 29.93	2005.87 ± 50.49	0.9971
16D30870	10.5 %	✓	1944.23 ± 70.07	3077.82 ± 110.83	0.9989
16D30871	11.7 %	✓	2072.89 ± 73.68	3274.90 ± 116.31	0.9990
16D30873	13.1 %	✓	3332.75 ± 168.80	5074.12 ± 256.90	0.9995
16D30874	14.7 %	✓	3613.27 ± 197.05	5471.45 ± 298.28	0.9996
16D30876	16.5 %	✓	4064.33 ± 267.81	6144.82 ± 404.80	0.9997
16D30877	18.5 %	✓	3777.28 ± 225.64	5733.80 ± 342.41	0.9996
16D30879	19.6 %	✓	5476.42 ± 525.09	8149.66 ± 781.30	0.9998
16D30880	20.8 %	✓	7372.41 ± 1033.57	10785.36 ± 1511.93	0.9999
16D30882	22.0 %	✓	7591.62 ± 1305.81	11170.14 ± 1921.22	0.9999

Results	40(a)/36(a) ± 2σ		40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	300.36 ± 3.93		1.42900 ± 0.00399	3.81 ± 0.01	3.85
Error Chron	± 1.31%		± 0.28%	± 0.31%	0%
			Full External Error ± 0.09		
			Analytical Error ± 0.01		
Statistics	2σ Confidence Limit	1.76	Convergence	0.000011618880	
	Error Magnification	1.9614	Number of Iterations	1	
	Number of Data Points	16	Calculated Line	Weighted York-2	

Inverse Isochron		39(k)/40(a+r) ± 2σ		36(a)/40(a+r) ± 2σ	r.i.
16D30840	1.8 %		0.0095963 ± 0.0006174	0.00335039 ± 0.00002455	0.0008
16D30841	2.0 %		0.0125750 ± 0.0006932	0.00329770 ± 0.00002664	0.0010
16D30843	2.4 %		0.0144034 ± 0.0004436	0.00328721 ± 0.00002383	0.0010
16D30844	2.8 %		0.0228060 ± 0.0006549	0.00326941 ± 0.00002567	0.0019
16D30846	3.0 %		0.0253139 ± 0.0006935	0.00327842 ± 0.00002519	0.0022
16D30847	3.3 %		0.0194235 ± 0.0003487	0.00325935 ± 0.00002144	0.0015
16D30849	3.6 %		0.0368232 ± 0.0005671	0.00320813 ± 0.00002428	0.0027
16D30850	3.9 %		0.0550128 ± 0.0007808	0.00311709 ± 0.00002564	0.0049
16D30852	4.3 %		0.0671996 ± 0.0007332	0.00304134 ± 0.00002561	0.0055
16D30853	4.6 %		0.1296095 ± 0.0010835	0.00270782 ± 0.00002612	0.0115
16D30855	4.9 %		0.2338775 ± 0.0022018	0.00223773 ± 0.00003270	0.0244
16D30856	5.2 %		0.2866008 ± 0.0025012	0.00195609 ± 0.00003424	0.0304
16D30858	5.5 %		0.2359056 ± 0.0016405	0.00217155 ± 0.00002715	0.0222
16D30859	5.8 %	✓	0.4145501 ± 0.0040042	0.00133626 ± 0.00003805	0.0411
16D30861	6.1 %	✓	0.3539691 ± 0.0022930	0.00163636 ± 0.00003061	0.0309
16D30862	6.5 %	✓	0.4043913 ± 0.0023727	0.00141708 ± 0.00002912	0.0302
16D30864	7.0 %	✓	0.1181538 ± 0.0004648	0.00279682 ± 0.00002187	0.0058
16D30865	7.6 %	✓	0.5208233 ± 0.0017376	0.00084873 ± 0.00002211	0.0198
16D30867	8.4 %	✓	0.5677952 ± 0.0013596	0.00061005 ± 0.00001599	0.0133
16D30868	9.4 %	✓	0.5913963 ± 0.0011373	0.00049854 ± 0.00001255	0.0082
16D30870	10.5 %	✓	0.6316910 ± 0.0010830	0.00032491 ± 0.00001170	0.0047
16D30871	11.7 %	✓	0.6329631 ± 0.0010278	0.00030535 ± 0.00001084	0.0038
16D30873	13.1 %	✓	0.6568138 ± 0.0010343	0.00019708 ± 0.00000998	0.0026
16D30874	14.7 %	✓	0.6603857 ± 0.0010232	0.00018277 ± 0.00000996	0.0019
16D30876	16.5 %	✓	0.6614232 ± 0.0010499	0.00016274 ± 0.00001072	0.0017
16D30877	18.5 %	✓	0.6587744 ± 0.0010589	0.00017440 ± 0.00001042	0.0023
16D30879	19.6 %	✓	0.6719816 ± 0.0012537	0.00012270 ± 0.00001176	0.0025
16D30880	20.8 %	✓	0.6835569 ± 0.0014558	0.00009272 ± 0.00001300	0.0025
16D30882	22.0 %	✓	0.6796355 ± 0.0015822	0.00008952 ± 0.00001540	0.0026

Results	40(a)/36(a) ± 2σ		40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	298.32 ± 2.99		1.43410 ± 0.00295	3.82 ± 0.01	2.23
Error Chron	± 1.00%		± 0.21%	± 0.25%	1%
			Full External Error ± 0.09		
			Analytical Error ± 0.01		
Statistics	2σ Confidence Limit	1.76	Convergence	0.0000846751	
	Error Magnification	1.4926	Number of Iterations	2	
	Number of Data Points	16	Calculated Line	Weighted York-2	
	Spreading Factor	81.1%			

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
16D30840	1.8 %	0.3714112	0.37	0.0000000	0.00	0.0004352	4.66	0.0000003	616.78	1.6344	4.66	0.0694168	0.37	0.0000000	0.00	0.012799	3.22	0.0001173	13.64	0.0039463	616.78	1.0638	3.22	0.0011042	4.84	1.1042	36.41	109.7520	0.37	0.0000000	0.00	0.0040669	4.17
16D30841	2.0 %	0.3337212	0.40	0.0000000	0.00	0.0006135	3.39	0.0000027	66.44	2.3037	3.38	0.0623725	0.40	0.0000000	0.00	0.015310	2.76	0.0001654	13.26	0.0370158	66.45	1.2726	2.76	0.0015564	3.63	2.5835	15.42	98.6146	0.40	0.0000000	0.00	0.0048650	3.83
16D30843	2.4 %	0.5047701	0.36	0.0000000	0.00	0.0013404	1.60	0.0000032	57.03	5.0333	1.59	0.0943415	0.36	0.0000000	0.00	0.026609	1.55	0.0003614	12.92	0.0431102	57.04	2.2117	1.54	0.0034005	2.07	4.3963	12.30	149.1596	0.36	0.0000000	0.00	0.0084554	3.07
16D30844	2.8 %	0.3515408	0.39	0.0000000	0.00	0.0016186	1.34	0.0000000	0.00	6.0779	1.33	0.0657030	0.39	0.0000000	0.00	0.029502	1.44	0.0004364	12.89	0.0000000	0.00	2.4522	1.44	0.0041062	1.87	3.6438	11.19	103.8803	0.39	0.0000000	0.00	0.0093747	3.02
16D30846	3.0 %	0.3290454	0.38	0.0000000	0.00	0.0017759	1.22	0.0000012	141.24	6.6686	1.21	0.0614986	0.38	0.0000000	0.00	0.030567	1.38	0.0004788	12.88	0.0160221	141.24	2.5407	1.37	0.0045053	1.79	3.1342	11.92	97.2329	0.38	0.0000000	0.00	0.0097130	2.99
16D30847	3.3 %	0.6503653	0.33	0.0000000	0.00	0.0029666	0.74	0.0000008	206.52	11.1402	0.72	0.1215533	0.33	0.0000000	0.00	0.046629	0.91	0.0007999	12.84	0.0112148	206.52	3.8757	0.90	0.0075263	1.51	7.3553	8.59	192.1829	0.33	0.0000000	0.00	0.0148169	2.81
16D30849	3.6 %	0.3934644	0.38	0.0000000	0.00	0.0036542	0.64	0.0000012	139.73	13.7221	0.62	0.0735385	0.38	0.0000000	0.00	0.054335	0.79	0.0009852	12.84	0.0168685	139.73	4.5162	0.77	0.0092707	1.46	6.3772	6.90	116.2687	0.38	0.0000000	0.00	0.0172655	2.77
16D30850	3.9 %	0.2836652	0.41	0.0000000	0.00	0.0042226	0.56	0.0000005	305.56	15.8566	0.54	0.0530170	0.41	0.0000000	0.00	0.060231	0.73	0.0011385	12.83	0.0073289	305.56	5.0063	0.71	0.0107127	1.43	7.1802	4.81	83.8231	0.41	0.0000000	0.00	0.0191393	2.75
16D30852	4.3 %	0.2900081	0.42	0.0000000	0.00	0.0056681	0.48	0.0000016	117.08	21.2846	0.46	0.0542025	0.42	0.0000000	0.00	0.077093	0.57	0.0015282	12.83	0.0214178	117.08	6.4078	0.54	0.0143799	1.40	9.6579	3.74	85.6974	0.42	0.0000000	0.00	0.0244972	2.72
16D30853	4.6 %	0.1749611	0.48	0.0000000	0.00	0.0076992	0.40	0.0000024	72.05	28.9116	0.37	0.0327002	0.48	0.0000000	0.00	0.100753	0.44	0.0020759	12.83	0.0328130	72.06	8.3745	0.42	0.0195327	1.37	12.9122	1.94	51.7010	0.48	0.0000000	0.00	0.0320156	2.69
16D30855	4.9 %	0.0735731	0.72	0.0000000	0.00	0.0070355	0.41	0.0000000	0.00	26.4195	0.38	0.0137508	0.72	0.0000000	0.00	0.092513	0.49	0.0018969	12.83	0.0000000	0.00	7.6895	0.46	0.0178490	1.37	11.1376	1.44	21.7408	0.72	0.0000000	0.00	0.0293971	2.70
16D30856	5.2 %	0.0558414	0.87	0.0000000	0.00	0.0076504	0.40	0.0000011	172.13	28.7284	0.37	0.0104368	0.87	0.0000000	0.00	0.098434	0.45	0.0020627	12.83	0.0143552	172.13	8.1817	0.42	0.0194089	1.37	12.0463	1.22	16.5011	0.87	0.0000000	0.00	0.0312787	2.69
16D30858	5.5 %	0.0964830	0.62	0.0000000	0.00	0.0099726	0.35	0.0000000	0.00	37.4489	0.31	0.0180327	0.62	0.0000000	0.00	0.126102	0.38	0.0026888	12.82	0.0000000	0.00	10.4814	0.34	0.0253005	1.36	15.9198	1.13	28.5107	0.62	0.0000000	0.00	0.0400704	2.68
16D30859	5.8 %	✓ 0.0244407	1.41	0.0000000	0.00	0.0072564	0.40	0.0000012	140.50	27.2491	0.37	0.0045680	1.41	0.0000000	0.00	0.091222	0.48	0.0019565	12.83	0.0167493	140.51	7.5823	0.45	0.0184095	1.37	11.0681	0.96	7.2222	1.41	0.0000000	0.00	0.0289870	2.70
16D30861	6.1 %	✓ 0.0532116	0.93	0.0000000	0.00	0.0113354	0.35	0.0000018	104.89	42.5662	0.31	0.0099452	0.93	0.0000000	0.00	0.138482	0.35	0.0030563	12.82	0.0241977	104.89	11.5104	0.31	0.0287577	1.36	16.7942	0.89	15.7240	0.93	0.0000000	0.00	0.0440044	2.68
16D30862	6.5 %	✓ 0.0455879	1.02	0.0000000	0.00	0.0128045	0.33	0.0000000	0.00	48.0831	0.29	0.0085204	1.02	0.0000000	0.00	0.156516	0.32	0.0034524	12.82	0.0000000	0.00	13.0094	0.28	0.0324849	1.35	18.6991	0.76	13.4712	1.02	0.0000000	0.00	0.0497349	2.67
16D30864	7.0 %	✓ 0.4633919	0.39	0.0000000	0.00	0.0196091	0.31	0.0000000	0.00	73.6352	0.27	0.0866080	0.39	0.0000000	0.00	0.235523	0.25	0.0052870	12.82	0.0000000	0.00	19.5764	0.20	0.0497480	1.35	28.7531	1.86	136.9323	0.39	0.0000000	0.00	0.0748404	2.67
16D30865	7.6 %	✓ 0.0412526	1.30	0.0000000	0.00	0.0257312	0.30	0.0000000	0.00	96.6248	0.26	0.0077101	1.30	0.0000000	0.00	0.304562	0.22	0.0069377	12.82	0.0000000	0.00	25.3148	0.15	0.0652797	1.34	36.4152	0.44	12.1901	1.30	0.0000000	0.00	0.0967784	2.66
16D30867	8.4 %	✓ 0.0440481	1.31	0.0000000	0.00	0.0424928	0.29	0.0000000	0.00	159.5676	0.25	0.0082326	1.31	0.0000000	0.00	0.493238	0.19	0.0114570	12.82	0.0000000	0.00	40.9973	0.11	0.1078039	1.34	59.1881	0.29	13.0162	1.31	0.0000000	0.00	0.1567326	2.66
16D30868	9.4 %	✓ 0.0513683	1.26	0.0000000	0.00	0.0635899	0.29	0.0000000	0.00	238.7904	0.25	0.0096007	1.26	0.0000000	0.00	0.733126	0.18	0.0171451	12.82	0.0000000	0.00	60.9364	0.09	0.1613268	1.34	87.8589	0.22	15.1793	1.26	0.0000000	0.00	0.2329600	2.66
16D30870	10.5 %	✓ 0.0417789	1.80	0.0000000	0.00	0.0861086	0.29	0.0000000	0.00	323.3519	0.24	0.0078085	1.80	0.0000000	0.00	0.977252	0.18	0.0232167	12.82	0.0000000	0.00	81.2278	0.08	0.2184566	1.34	116.2422	0.19	12.3457	1.80	0.0000000	0.00	0.3105339	2.66
16D30871	11.7 %	✓ 0.0506560	1.78	0.0000000	0.00	0.1148601	0.29	0.0000000	0.00	431.3186	0.24	0.0094676	1.78	0.0000000	0.00	1.263309	0.18	0.0309687	12.82	0.0000000	0.00	105.0045	0.08	0.2913989	1.34	150.9247	0.18	14.9689	1.78	0.0000000	0.00	0.4014323	2.66
16D30873	13.1 %	✓ 0.0361843	2.53	0.0000000	0.00	0.1305875	0.29	0.0000000	#####	490.3772	0.24	0.0067628	2.53	0.0000000	0.00	1.450857	0.18	0.0352091	12.82	0.0000986	#####	120.5932	0.08	0.3312989	1.34	172.9109	0.16	10.6925	2.53	0.0000000	0.00	0.4610280	2.66
16D30874	14.7 %	✓ 0.0354146	2.73	0.0000000	0.00	0.1428053	0.29	0.0000000	0.00	536.2573	0.24	0.0066190	2.73	0.0000000	0.00	1.539514	0.18	0.0385033	12.82	0.0000000	0.00	127.9622	0.07	0.3622955	1.34	183.3039	0.16	10.4650	2.73	0.0000000	0.00	0.4891996	2.66
16D30876	16.5 %	✓ 0.0272284	3.29	0.0000000	0.00	0.1270217	0.29	0.0000011	178.28	476.9874	0.24	0.0050890	3.29	0.0000000	0.00	1.331415	0.18	0.0342477	12.82	0.0142783	178.28	110.6654	0.08	0.3222527	1.34	159.2680	0.17	8.0460	3.29	0.0000000	0.00	0.4230738	2.66
16D30877	18.5 %	✓ 0.0275718	2.99	0.0000000	0.00	0.1201095	0.29	0.0000000	0.00	451.0309	0.24	0.0051532	2.99	0.0000000	0.00	1.252983	0.18	0.0323840	12.82	0.0000000	0.00	104.1462	0.08	0.3047165	1.34	149.9434	0.16	8.1475	2.99	0.0000000	0.00	0.3981510	2.66
16D30879	19.6 %	✓ 0.0126166	4.79	0.0000000	0.00	0.0769423	0.29	0.0000018	96.01	288.9310	0.25	0.0023580	4.79	0.0000000	0.00	0.831266	0.18	0.0207452	12.82	0.0241728	96.02	69.0937	0.09	0.1952018	1.34	99.0926	0.18	3.7282	4.79	0.0000000	0.00	0.2641451	2.66
16D30880	20.8 %	✓ 0.0071203	7.01	0.0000000	0.00	0.0577158	0.29	0.0000017	106.56	216.7324	0.25	0.0013308	7.01	0.0000000	0.00	0.631552	0.19	0.0155614	12.82	0.0234592	106.56	52.4937	0.10	0.1464244	1.34	74.6909	0.20	2.1040	7.01	0.0000000	0.00	0.2006835	2.66
16D30882	22.0 %	✓ 0.0058279	8.60	0.0000000	0.00	0.0490361	0.29	0.0000031	59.42	184.1386	0.25	0.0010892	8.60	0.0000000	0.00	0.532290	0.19	0.0132212	12.82	0.0419278	59.43	44.2432	0.10	0.1244041	1.34	63.3762	0.24	1.7221	8.60	0.0000000	0.00	0.1691417	2.66
Σ		4.8765501	0.12	0.0000000	0.00	1.1426591	0.08	0.0000258	28.64	4290.8715	0.07	0.9114272	0.12	0.0000000	0.00	12.733986	0.05	0.3080846	3.69	0.3489763	28.64	1058.4312	0.03	2.8989128	0.39	1525.9782	0.11	1441.0205	0.12	0.0000000	0.00	4.0463824	0.75
Σ								6.0192350	0.10	4290.8715	0.07								14.302474	0.70			1061.3301	0.03							2971.0451	0.08	

Additional Parameters		40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
16D30840	1.8 %	104.102739	3.345342	1.534739	0.086868	0.349180	0.011292	45.416	2.481398	1.00032472	5.321E-12
16D30841	2.0 %	79.429503	2.186728	1.808087	0.078849	0.262406	0.007300	45.422	2.481704	1.00032477	4.858E-12
16D30843	2.4 %	69.325505	1.065905	2.272229	0.050285	0.228481	0.003608	45.434	2.482283	1.00032485	7.371E-12
16D30844	2.8 %	43.778666	0.627484	2.474422	0.048336	0.143777	0.002135	45.440	2.482556	1.00032489	5.162E-12
16D30846	3.0 %	39.437831	0.539265	2.620084	0.047913	0.129979	0.001844	45.451	2.483134	1.00032497	4.818E-12
16D30847	3.3 %	51.388038	0.460409	2.868775	0.033053	0.168243	0.001604	45.458	2.483441	1.00032502	9.579E-12
16D30849	3.6 %	27.104999	0.208274	3.032189	0.029961	0.087752	0.000749	45.469	2.484020	1.00032510	5.888E-12
16D30850	3.9 %	18.142576	0.128482	3.160527	0.028099	0.057382	0.000467	45.476	2.484327	1.00032514	4.369E-12
16D30852	4.3 %	14.851534	0.080843	3.314209	0.023542	0.046040	0.000314	45.488	2.484906	1.00032523	4.578E-12
16D30853	4.6 %	7.701344	0.032115	3.444317	0.019033	0.021761	0.000135	45.493	2.485179	1.00032527	3.103E-12
16D30855	4.9 %	4.269654	0.020052	3.427817	0.020419	0.010459	0.000084	45.505	2.485759	1.00032535	1.580E-12
16D30856	5.2 %	3.484730	0.015170	3.502977	0.019721	0.007742	0.000067	45.511	2.486065	1.00032539	1.372E-12
16D30858	5.5 %	4.232590	0.014681	3.564285	0.016483	0.010132	0.000067	45.523	2.486645	1.00032548	2.135E-12
16D30859	5.8 %	2.410225	0.011613	3.585090	0.020987	0.004170	0.000049	45.529	2.486952	1.00032552	8.793E-13
16D30861	6.1 %	2.821878	0.009117	3.688836	0.016149	0.005594	0.000046	45.541	2.487532	1.00032560	1.563E-12
16D30862	6.5 %	2.470506	0.007229	3.686821	0.014875	0.004477	0.000038	45.547	2.487805	1.00032564	1.547E-12
16D30864	7.0 %	8.445907	0.016569	3.751903	0.012408	0.024610	0.000104	45.558	2.488385	1.00032573	7.956E-12
16D30865	7.6 %	1.918912	0.003191	3.807114	0.011411	0.002639	0.000021	45.565	2.488693	1.00032577	2.338E-12
16D30867	8.4 %	1.760392	0.002099	3.881943	0.010564	0.002105	0.000014	45.576	2.489273	1.00032585	3.473E-12
16D30868	9.4 %	1.690262	0.001617	3.908332	0.010253	0.001882	0.000010	45.583	2.489580	1.00032590	4.957E-12
16D30870	10.5 %	1.582619	0.001348	3.970126	0.010237	0.001570	0.000009	45.594	2.490161	1.00032598	6.187E-12
16D30871	11.7 %	1.579311	0.001273	4.096252	0.010492	0.001572	0.000008	45.600	2.490434	1.00032602	7.982E-12
16D30873	13.1 %	1.522143	0.001190	4.055233	0.010353	0.001379	0.000007	45.612	2.491015	1.00032610	8.835E-12
16D30874	14.7 %	1.513804	0.001164	4.178915	0.010659	0.001389	0.000007	45.618	2.491322	1.00032615	9.324E-12
16D30876	16.5 %	1.511313	0.001190	4.297662	0.010990	0.001390	0.000007	45.630	2.491903	1.00032623	8.051E-12
16D30877	18.5 %	1.517354	0.001210	4.318113	0.011049	0.001414	0.000007	45.635	2.492177	1.00032627	7.607E-12
16D30879	19.6 %	1.487756	0.001379	4.169948	0.010855	0.001293	0.000008	45.648	2.492792	1.00032636	4.948E-12
16D30880	20.8 %	1.462679	0.001549	4.117247	0.010898	0.001232	0.000009	45.653	2.493066	1.00032640	3.696E-12
16D30882	22.0 %	1.471063	0.001704	4.150297	0.011148	0.001237	0.000011	45.665	2.493647	1.00032648	3.133E-12



Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
16D30840	1.8 %	0.0026233 ± 0.0001631	0.0204330 ± 0.0243760	0.0526989 ± 0.0166399	0.0069224 ± 0.0305193	0.7167470 ± 0.0245954
16D30841	2.0 %	0.0026154 ± 0.0001631	0.0225518 ± 0.0243760	0.0487607 ± 0.0166399	0.0059234 ± 0.0305193	0.7187634 ± 0.0245954
16D30843	2.4 %	0.0026064 ± 0.0001631	0.0265573 ± 0.0243760	0.0437037 ± 0.0166399	0.0047909 ± 0.0305193	0.7221267 ± 0.0245954
16D30844	2.8 %	0.0026045 ± 0.0001631	0.0284106 ± 0.0243760	0.0422120 ± 0.0166399	0.0045557 ± 0.0305193	0.7234641 ± 0.0245954
16D30846	3.0 %	0.0026050 ± 0.0001631	0.0322110 ± 0.0243760	0.0404760 ± 0.0166399	0.0045733 ± 0.0305193	0.7257023 ± 0.0245954
16D30847	3.3 %	0.0026075 ± 0.0001631	0.0341229 ± 0.0243760	0.0401641 ± 0.0166399	0.0048156 ± 0.0305193	0.7265320 ± 0.0245954
16D30849	3.6 %	0.0026156 ± 0.0001631	0.0375048 ± 0.0243760	0.0403339 ± 0.0166399	0.0055887 ± 0.0305193	0.7274076 ± 0.0245954
16D30850	3.9 %	0.0026215 ± 0.0001631	0.0391642 ± 0.0243760	0.0406791 ± 0.0166399	0.0061106 ± 0.0305193	0.7275112 ± 0.0245954
16D30852	4.3 %	0.0026350 ± 0.0001631	0.0420461 ± 0.0243760	0.0415221 ± 0.0166399	0.0071823 ± 0.0305193	0.7270755 ± 0.0245954
16D30853	4.6 %	0.0026422 ± 0.0001631	0.0432927 ± 0.0243760	0.0419177 ± 0.0166399	0.0076797 ± 0.0305193	0.7266144 ± 0.0245954
16D30855	4.9 %	0.0026590 ± 0.0001631	0.0457373 ± 0.0243760	0.0425714 ± 0.0166399	0.0086006 ± 0.0305193	0.7251994 ± 0.0245954
16D30856	5.2 %	0.0026684 ± 0.0001631	0.0469389 ± 0.0243760	0.0427519 ± 0.0166399	0.0089588 ± 0.0305193	0.7242738 ± 0.0245954
16D30858	5.5 %	0.0026866 ± 0.0001631	0.0490989 ± 0.0243760	0.0426779 ± 0.0166399	0.0092601 ± 0.0305193	0.7223759 ± 0.0245954
16D30859	5.8 %	0.0026963 ± 0.0001631	0.0502200 ± 0.0243760	0.0423958 ± 0.0166399	0.0091640 ± 0.0305193	0.7213862 ± 0.0245954
16D30861	6.1 %	0.0027144 ± 0.0001631	0.0523965 ± 0.0243760	0.0413986 ± 0.0166399	0.0083664 ± 0.0305193	0.7197987 ± 0.0245954
16D30862	6.5 %	0.0027226 ± 0.0001631	0.0534896 ± 0.0243760	0.0407341 ± 0.0166399	0.0076643 ± 0.0305193	0.7192819 ± 0.0245954
16D30864	7.0 %	0.0027389 ± 0.0001631	0.0560862 ± 0.0243760	0.0389907 ± 0.0166399	0.0053509 ± 0.0305193	0.7189743 ± 0.0245954
16D30865	7.6 %	0.0027468 ± 0.0001631	0.0576758 ± 0.0243760	0.0379425 ± 0.0166399	0.0036169 ± 0.0305193	0.7193953 ± 0.0245954
16D30867	8.4 %	0.0027600 ± 0.0001631	0.0612550 ± 0.0243760	0.0359095 ± 0.0166399	0.0007578 ± 0.0305193	0.7216822 ± 0.0245954
16D30868	9.4 %	0.0027658 ± 0.0001631	0.0635364 ± 0.0243760	0.0349052 ± 0.0166399	0.0037154 ± 0.0305193	0.7238650 ± 0.0245954
16D30870	10.5 %	0.0027746 ± 0.0001631	0.0687821 ± 0.0243760	0.0334242 ± 0.0166399	0.0106533 ± 0.0305193	0.7302819 ± 0.0245954
16D30871	11.7 %	0.0027775 ± 0.0001631	0.0717544 ± 0.0243760	0.0330327 ± 0.0166399	0.0145799 ± 0.0305193	0.7345156 ± 0.0245954
16D30873	13.1 %	0.0027809 ± 0.0001631	0.0793677 ± 0.0243760	0.0332022 ± 0.0166399	0.0244628 ± 0.0305193	0.7465851 ± 0.0245954
16D30874	14.7 %	0.0027811 ± 0.0001631	0.0842207 ± 0.0243760	0.0340199 ± 0.0166399	0.0306018 ± 0.0305193	0.7549009 ± 0.0245954
16D30876	16.5 %	0.0027780 ± 0.0001631	0.0952172 ± 0.0243760	0.0374093 ± 0.0166399	0.0440544 ± 0.0305193	0.7748403 ± 0.0245954
16D30877	18.5 %	0.0027750 ± 0.0001631	0.1013250 ± 0.0243760	0.0400240 ± 0.0166399	0.0512768 ± 0.0305193	0.7863627 ± 0.0245954
16D30879	19.6 %	0.0027643 ± 0.0001631	0.1175806 ± 0.0243760	0.0488916 ± 0.0166399	0.0697683 ± 0.0305193	0.8179943 ± 0.0245954
16D30880	20.8 %	0.0027577 ± 0.0001631	0.1260445 ± 0.0243760	0.0543872 ± 0.0166399	0.0790372 ± 0.0305193	0.8348476 ± 0.0245954
16D30882	22.0 %	0.0027398 ± 0.0001631	0.1468957 ± 0.0243760	0.0698757 ± 0.0166399	0.1010222 ± 0.0305193	0.8770731 ± 0.0245954

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)
16D30840	1.8 %	0.3585424 ± 0.0008074	0.8674	EXP 150 of 150	0.666301 ± 0.017579	0.0113	EXP 150 of 150	0.0324628 ± 0.0173216	0.0008	EXP 150 of 150	1.050764 ± 0.014940	0.1062	EXP 150 of 150	111.577067 ± 0.022384	0.9965	EXP 150 of 150
16D30841	2.0 %	0.3226320 ± 0.0009020	0.7492	EXP 150 of 150	0.932827 ± 0.018676	0.0880	EXP 150 of 150	0.0646157 ± 0.0176631	0.0102	EXP 150 of 150	1.259554 ± 0.016775	0.0114	EXP 150 of 150	101.921802 ± 0.023467	0.9969	EXP 150 of 150
16D30843	2.4 %	0.4870413 ± 0.0010783	0.8673	EXP 150 of 150	2.014894 ± 0.019602	0.2135	EXP 150 of 150	0.1185893 ± 0.0176508	0.0077	EXP 150 of 150	2.195296 ± 0.014503	0.0625	EXP 150 of 150	154.286403 ± 0.027517	0.9839	EXP 150 of 150
16D30844	2.8 %	0.3406368 ± 0.0008937	0.7997	EXP 150 of 150	2.429166 ± 0.019687	0.2343	EXP 150 of 150	0.0508813 ± 0.0164020	0.0026	EXP 150 of 150	2.435073 ± 0.016968	0.0938	EXP 150 of 150	108.256934 ± 0.024871	0.9962	EXP 150 of 150
16D30846	3.0 %	0.3192571 ± 0.0007935	0.8083	EXP 150 of 150	2.665674 ± 0.019701	0.3539	EXP 150 of 150	0.0666846 ± 0.0148915	0.0007	EXP 150 of 150	2.523344 ± 0.016115	0.1464	EXP 150 of 150	101.102496 ± 0.023839	0.9954	EXP 150 of 150
16D30847	3.3 %	0.6279556 ± 0.0010210	0.9358	EXP 150 of 150	4.432889 ± 0.017540	0.6915	EXP 150 of 150	0.1376993 ± 0.0156620	0.0006	EXP 150 of 150	3.852090 ± 0.015973	0.4541	EXP 150 of 150	200.279619 ± 0.033543	0.4684	EXP 150 of 150
16D30849	3.6 %	0.3827254 ± 0.0009197	0.8594	EXP 150 of 150	5.454492 ± 0.019159	0.7228	EXP 150 of 150	0.1035057 ± 0.0162484	0.0006	EXP 150 of 150	4.489181 ± 0.015827	0.6927	EXP 149 of 150	123.390600 ± 0.024031	0.9865	EXP 150 of 150
16D30850	3.9 %	0.2781785 ± 0.0007788	0.7659	EXP 149 of 150	6.297978 ± 0.017653	0.8190	EXP 150 of 150	0.0794605 ± 0.0145402	0.0040	EXP 150 of 150	4.976902 ± 0.017287	0.6987	EXP 150 of 150	91.749925 ± 0.023906	0.9949	EXP 150 of 150
16D30852	4.3 %	0.2856478 ± 0.0008322	0.7830	EXP 150 of 150	8.441416 ± 0.021610	0.8438	EXP 149 of 150	0.1107217 ± 0.0183119	0.0078	EXP 150 of 150	6.371449 ± 0.015817	0.8397	EXP 150 of 150	96.106849 ± 0.023214	0.9932	EXP 150 of 150
16D30853	4.6 %	0.1774808 ± 0.0006130	0.4692	EXP 150 of 150	11.451224 ± 0.019429	0.9229	EXP 150 of 150	0.1242447 ± 0.0163483	0.0135	EXP 150 of 150	8.329365 ± 0.015131	0.9137	EXP 148 of 150	65.371792 ± 0.019077	0.9978	EXP 150 of 150
16D30855	4.9 %	0.0798148 ± 0.0004312	0.0000	EXP 150 of 150	10.467897 ± 0.017688	0.9198	EXP 150 of 150	0.0584636 ± 0.0157345	0.0070	EXP 150 of 150	7.646478 ± 0.016881	0.8699	EXP 149 of 150	33.633079 ± 0.017314	0.9988	EXP 150 of 150
16D30856	5.2 %	0.0634416 ± 0.0003983	0.1985	EXP 150 of 150	11.378514 ± 0.020767	0.9161	EXP 150 of 150	0.0809146 ± 0.0178228	0.0032	EXP 150 of 150	8.136512 ± 0.014778	0.9131	EXP 150 of 150	29.302997 ± 0.018455	0.9987	EXP 150 of 150
16D30858	5.5 %	0.1045824 ± 0.0004679	0.0510	EXP 150 of 150	14.816933 ± 0.016140	0.9669	EXP 150 of 150	0.0940353 ± 0.0185609	0.0011	EXP 150 of 150	10.426132 ± 0.016615	0.9381	EXP 150 of 150	45.192927 ± 0.018563	0.9981	EXP 150 of 150
16D30859	5.8 %	0.0330369 ± 0.0002733	0.6445	EXP 150 of 150	10.794472 ± 0.018001	0.9310	EXP 150 of 150	0.0706174 ± 0.0161978	0.0011	EXP 150 of 150	7.539918 ± 0.014305	0.9043	EXP 150 of 150	19.040703 ± 0.018440	0.9988	EXP 150 of 150
16D30861	6.1 %	0.0644983 ± 0.0004076	0.0897	EXP 150 of 150	16.832244 ± 0.021438	0.9557	EXP 150 of 150	0.1320076 ± 0.0187135	0.0132	EXP 150 of 150	11.452511 ± 0.016012	0.9542	EXP 150 of 150	33.281996 ± 0.019575	0.9981	EXP 150 of 150
16D30862	6.5 %	0.0586138 ± 0.0003823	0.2162	EXP 150 of 150	19.006044 ± 0.019415	0.9698	EXP 150 of 150	0.1017338 ± 0.0173501	0.0063	EXP 150 of 150	12.945701 ± 0.016605	0.9609	EXP 150 of 150	32.939333 ± 0.018292	0.9983	EXP 150 of 150
16D30864	7.0 %	0.4650512 ± 0.0011275	0.8765	EXP 150 of 150	29.073578 ± 0.020722	0.9857	EXP 150 of 150	0.2747234 ± 0.0168801	0.0020	EXP 150 of 150	19.487547 ± 0.018387	0.9800	EXP 150 of 150	166.479217 ± 0.024826	0.9760	EXP 150 of 150
16D30865	7.6 %	0.0668614 ± 0.0004463	0.2488	EXP 150 of 150	38.129985 ± 0.021414	0.9913	EXP 150 of 150	0.2571751 ± 0.0172805	0.0037	EXP 150 of 150	25.204187 ± 0.016138	0.9911	EXP 150 of 150	49.421500 ± 0.020144	0.9974	EXP 150 of 150
16D30867	8.4 %	0.0855941 ± 0.0004582	0.1117	EXP 150 of 150	62.919755 ± 0.021577	0.9967	EXP 150 of 150	0.4463561 ± 0.0172728	0.0036	EXP 150 of 150	40.826851 ± 0.018054	0.9957	EXP 150 of 150	73.082766 ± 0.021528	0.9947	EXP 150 of 150
16D30868	9.4 %	0.1127999 ± 0.0004786	0.0072	EXP 150 of 150	94.118670 ± 0.025665	0.9979	EXP 150 of 150	0.7078382 ± 0.0149770	0.0538	EXP 150 of 150	60.686786 ± 0.019586	0.9977	EXP 150 of 150	103.995076 ± 0.020108	0.9891	EXP 150 of 150
16D30870	10.5 %	0.1251842 ± 0.0005627	0.0009	EXP 150 of 150	127.401476 ± 0.023436	0.9990	EXP 150 of 150	0.9423601 ± 0.0177308	0.0708	EXP 150 of 150	80.904114 ± 0.018425	0.9989	EXP 150 of 150	129.628716 ± 0.022940	0.9369	EXP 150 of 150
16D30871	11.7 %	0.1612040 ± 0.0006450	0.0767	EXP 149 of 150	169.901981 ± 0.024437	0.9994	EXP 150 of 150	1.2331782 ± 0.0167733	0.1020	EXP 150 of 150	104.595804 ± 0.023515	0.9989	EXP 150 of 150	167.029542 ± 0.028420	0.3434	EXP 150 of 150
16D30873	13.1 %	0.1624092 ± 0.0006415	0.0496	EXP 150 of 150	193.118704 ± 0.024672	0.9995	EXP 150 of 150	1.4403921 ± 0.0182208	0.1884	EXP 150 of 150	120.128221 ± 0.022975	0.9992	EXP 150 of 150	184.811021 ± 0.031092	0.9214	EXP 150 of 150
16D30874	14.7 %	0.1733672 ± 0.0006654	0.0359	EXP 150 of 150	211.158422 ± 0.026567	0.9996	EXP 150 of 150	1.5102733 ± 0.0152518	0.2879	EXP 150 of 150	127.484107 ± 0.023588	0.9993	EXP 150 of 150	195.013035 ± 0.027464	0.9490	EXP 150 of 150
16D30876	16.5 %	0.1504221 ± 0.0006448	0.0051	EXP 149 of 150	187.796614 ± 0.026415	0.9994	EXP 150 of 150	1.3296847 ± 0.0180724	0.1926	EXP 150 of 150	110.278350 ± 0.022080	0.9991	EXP 150 of 150	168.511957 ± 0.023022	0.7973	EXP 150 of 150
16D30877	18.5 %	0.1441306 ± 0.0005719	0.0113	EXP 150 of 150	177.569011 ± 0.025259	0.9994	EXP 150 of 150	1.2255555 ± 0.0193837	0.1149	EXP 150 of 150	103.793223 ± 0.019499	0.9992	EXP 150 of 150	159.275374 ± 0.026083	0.0209	EXP 150 of 150
16D30879	19.6 %	0.0884888 ± 0.0004530	0.2616	EXP 150 of 150	113.775557 ± 0.026090	0.9985	EXP 150 of 150	0.8182733 ± 0.0154040	0.1186	EXP 150 of 150	68.888329 ± 0.021001	0.9980	EXP 150 of 150	103.902924 ± 0.022887	0.9841	EXP 150 of 150
16D30880	20.8 %	0.0648183 ± 0.0003816	0.3366	EXP 150 of 150	85.373614 ± 0.020469	0.9984	EXP 150 of 150	0.6088149 ± 0.0180496	0.0579	EXP 150 of 150	52.361863 ± 0.019423	0.9970	EXP 150 of 150	77.830472 ± 0.021438	0.9941	EXP 150 of 150
16D30882	22.0 %	0.0552568 ± 0.0004039	0.5350	EXP 150 of 150	72.557429 ± 0.021017	0.9976	EXP 150 of 150	0.5110307 ± 0.0179783	0.0295	EXP 150 of 150	44.167438 ± 0.017018	0.9967	EXP 150 of 150	66.144601 ± 0.021368	0.9948	EXP 150 of 150

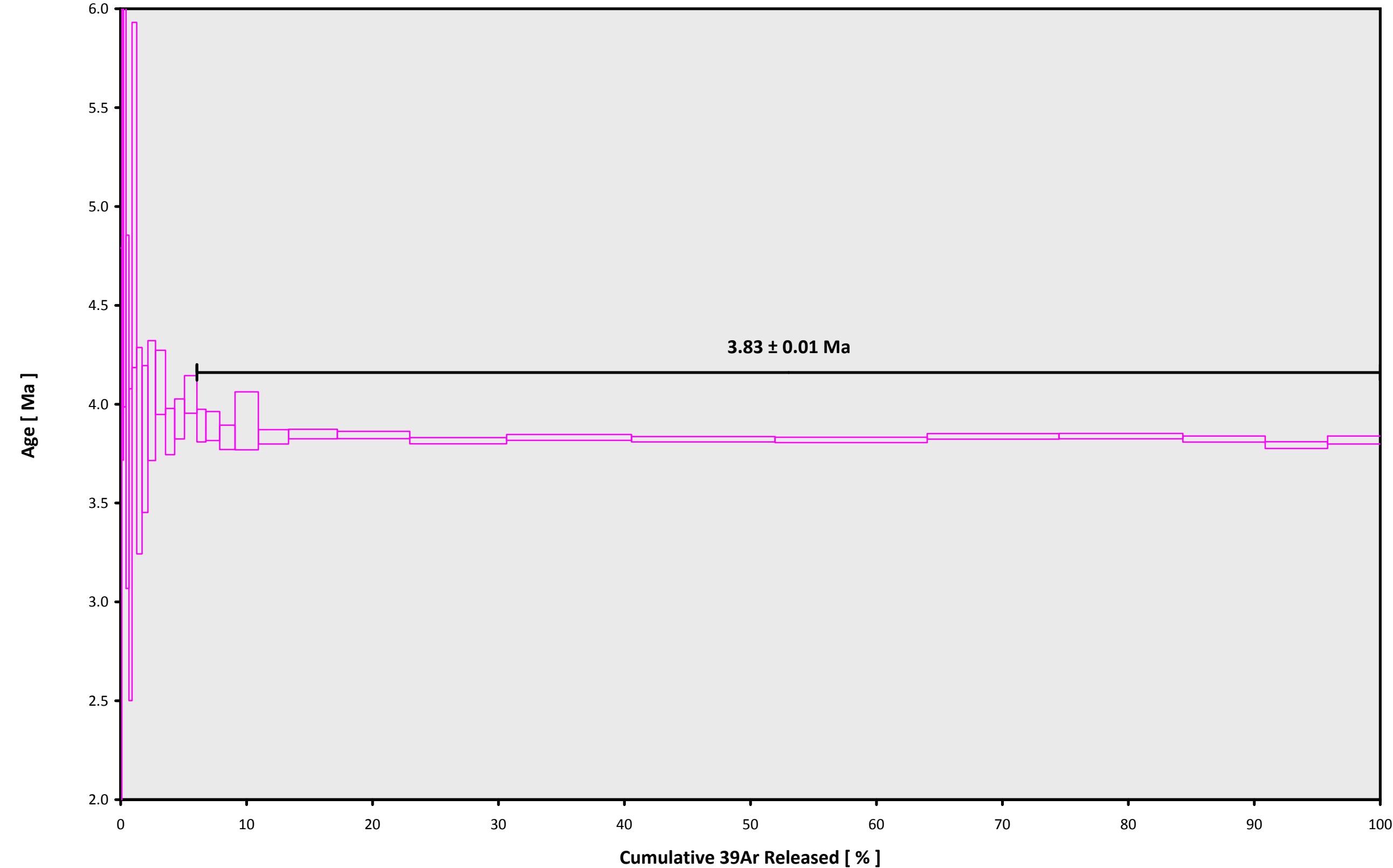


Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
16D30840	1.8 %	Anthony Koppers	16-OSU-07	0.00	0.00	53.72	Oregon\McClaghry (15-17)	16D30836	01
16D30841	2.0 %	Anthony Koppers	16-OSU-07	0.00	0.00	53.72	Oregon\McClaghry (15-17)	16D30836	01
16D30843	2.4 %	Anthony Koppers	16-OSU-07	0.00	0.00	53.72	Oregon\McClaghry (15-17)	16D30836	01
16D30844	2.8 %	Anthony Koppers	16-OSU-07	0.00	0.00	53.72	Oregon\McClaghry (15-17)	16D30836	01
16D30846	3.0 %	Anthony Koppers	16-OSU-07	0.00	0.00	53.72	Oregon\McClaghry (15-17)	16D30836	01
16D30847	3.3 %	Anthony Koppers	16-OSU-07	0.00	0.00	53.72	Oregon\McClaghry (15-17)	16D30836	01
16D30849	3.6 %	Anthony Koppers	16-OSU-07	0.00	0.00	53.72	Oregon\McClaghry (15-17)	16D30836	01
16D30850	3.9 %	Anthony Koppers	16-OSU-07	0.00	0.00	53.72	Oregon\McClaghry (15-17)	16D30836	01
16D30852	4.3 %	Anthony Koppers	16-OSU-07	0.00	0.00	53.72	Oregon\McClaghry (15-17)	16D30836	01
16D30853	4.6 %	Anthony Koppers	16-OSU-07	0.00	0.00	53.72	Oregon\McClaghry (15-17)	16D30836	01
16D30855	4.9 %	Anthony Koppers	16-OSU-07	0.00	0.00	53.72	Oregon\McClaghry (15-17)	16D30836	01
16D30856	5.2 %	Anthony Koppers	16-OSU-07	0.00	0.00	53.72	Oregon\McClaghry (15-17)	16D30836	01
16D30858	5.5 %	Anthony Koppers	16-OSU-07	0.00	0.00	53.72	Oregon\McClaghry (15-17)	16D30836	01
16D30859	5.8 %	Anthony Koppers	16-OSU-07	0.00	0.00	53.72	Oregon\McClaghry (15-17)	16D30836	01
16D30861	6.1 %	Anthony Koppers	16-OSU-07	0.00	0.00	53.72	Oregon\McClaghry (15-17)	16D30836	01
16D30862	6.5 %	Anthony Koppers	16-OSU-07	0.00	0.00	53.72	Oregon\McClaghry (15-17)	16D30836	01
16D30864	7.0 %	Anthony Koppers	16-OSU-07	0.00	0.00	53.72	Oregon\McClaghry (15-17)	16D30836	01
16D30865	7.6 %	Anthony Koppers	16-OSU-07	0.00	0.00	53.72	Oregon\McClaghry (15-17)	16D30836	01
16D30867	8.4 %	Anthony Koppers	16-OSU-07	0.00	0.00	53.72	Oregon\McClaghry (15-17)	16D30836	01
16D30868	9.4 %	Anthony Koppers	16-OSU-07	0.00	0.00	53.72	Oregon\McClaghry (15-17)	16D30836	01
16D30870	10.5 %	Anthony Koppers	16-OSU-07	0.00	0.00	53.72	Oregon\McClaghry (15-17)	16D30836	01
16D30871	11.7 %	Anthony Koppers	16-OSU-07	0.00	0.00	53.72	Oregon\McClaghry (15-17)	16D30836	01
16D30873	13.1 %	Anthony Koppers	16-OSU-07	0.00	0.00	53.72	Oregon\McClaghry (15-17)	16D30836	01
16D30874	14.7 %	Anthony Koppers	16-OSU-07	0.00	0.00	53.72	Oregon\McClaghry (15-17)	16D30836	01
16D30876	16.5 %	Anthony Koppers	16-OSU-07	0.00	0.00	53.72	Oregon\McClaghry (15-17)	16D30836	01
16D30877	18.5 %	Anthony Koppers	16-OSU-07	0.00	0.00	53.72	Oregon\McClaghry (15-17)	16D30836	01
16D30879	19.6 %	Anthony Koppers	16-OSU-07	0.00	0.00	53.72	Oregon\McClaghry (15-17)	16D30836	01
16D30880	20.8 %	Anthony Koppers	16-OSU-07	0.00	0.00	53.72	Oregon\McClaghry (15-17)	16D30836	01
16D30882	22.0 %	Anthony Koppers	16-OSU-07	0.00	0.00	53.72	Oregon\McClaghry (15-17)	16D30836	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	
16D30840		1.8 %	373-DFWJ-14	Plagioclase	Dufur	FCT-NM (7A41-16)	28.201	0.082	Kuiper et al (2008)	10.6492	0.067	0.00147592	0.067	303.348	0.145	0.99352382	0.068	1	4.8E-14	27	AUG	2016	20	47	1
16D30841		2.0 %	373-DFWJ-14	Plagioclase	Dufur	FCT-NM (7A41-16)	28.201	0.082	Kuiper et al (2008)	10.6492	0.067	0.00147592	0.067	303.348	0.145	0.99352382	0.068	1	4.8E-14	27	AUG	2016	20	56	1
16D30843		2.4 %	373-DFWJ-14	Plagioclase	Dufur	FCT-NM (7A41-16)	28.201	0.082	Kuiper et al (2008)	10.6492	0.067	0.00147592	0.067	303.348	0.145	0.99352382	0.068	1	4.8E-14	27	AUG	2016	21	13	1
16D30844		2.8 %	373-DFWJ-14	Plagioclase	Dufur	FCT-NM (7A41-16)	28.201	0.082	Kuiper et al (2008)	10.6492	0.067	0.00147592	0.067	303.348	0.145	0.99352382	0.068	1	4.8E-14	27	AUG	2016	21	21	1
16D30846		3.0 %	373-DFWJ-14	Plagioclase	Dufur	FCT-NM (7A41-16)	28.201	0.082	Kuiper et al (2008)	10.6492	0.067	0.00147592	0.067	303.348	0.145	0.99352382	0.068	1	4.8E-14	27	AUG	2016	21	38	1
16D30847		3.3 %	373-DFWJ-14	Plagioclase	Dufur	FCT-NM (7A41-16)	28.201	0.082	Kuiper et al (2008)	10.6492	0.067	0.00147592	0.067	303.348	0.145	0.99352382	0.068	1	4.8E-14	27	AUG	2016	21	47	1
16D30849		3.6 %	373-DFWJ-14	Plagioclase	Dufur	FCT-NM (7A41-16)	28.201	0.082	Kuiper et al (2008)	10.6492	0.067	0.00147592	0.067	303.348	0.145	0.99352382	0.068	1	4.8E-14	27	AUG	2016	22	4	1
16D30850		3.9 %	373-DFWJ-14	Plagioclase	Dufur	FCT-NM (7A41-16)	28.201	0.082	Kuiper et al (2008)	10.6492	0.067	0.00147592	0.067	303.348	0.145	0.99352382	0.068	1	4.8E-14	27	AUG	2016	22	13	1
16D30852		4.3 %	373-DFWJ-14	Plagioclase	Dufur	FCT-NM (7A41-16)	28.201	0.082	Kuiper et al (2008)	10.6492	0.067	0.00147592	0.067	303.348	0.145	0.99352382	0.068	1	4.8E-14	27	AUG	2016	22	30	1
16D30853		4.6 %	373-DFWJ-14	Plagioclase	Dufur	FCT-NM (7A41-16)	28.201	0.082	Kuiper et al (2008)	10.6492	0.067	0.00147592	0.067	303.348	0.145	0.99352382	0.068	1	4.8E-14	27	AUG	2016	22	38	1
16D30855		4.9 %	373-DFWJ-14	Plagioclase	Dufur	FCT-NM (7A41-16)	28.201	0.082	Kuiper et al (2008)	10.6492	0.067	0.00147592	0.067	303.348	0.145	0.99352382	0.068	1	4.8E-14	27	AUG	2016	22	55	1
16D30856		5.2 %	373-DFWJ-14	Plagioclase	Dufur	FCT-NM (7A41-16)	28.201	0.082	Kuiper et al (2008)	10.6492	0.067	0.00147592	0.067	303.348	0.145	0.99352382	0.068	1	4.8E-14	27	AUG	2016	23	4	1
16D30858		5.5 %	373-DFWJ-14	Plagioclase	Dufur	FCT-NM (7A41-16)	28.201	0.082	Kuiper et al (2008)	10.6492	0.067	0.00147592	0.067	303.348	0.145	0.99352382	0.068	1	4.8E-14	27	AUG	2016	23	21	1
16D30859		5.8 %	373-DFWJ-14	Plagioclase	Dufur	FCT-NM (7A41-16)	28.201	0.082	Kuiper et al (2008)	10.6492	0.067	0.00147592	0.067	303.348	0.145	0.99352382	0.068	1	4.8E-14	27	AUG	2016	23	30	1
16D30861		6.1 %	373-DFWJ-14	Plagioclase	Dufur	FCT-NM (7A41-16)	28.201	0.082	Kuiper et al (2008)	10.6492	0.067	0.00147592	0.067	303.348	0.145	0.99352382	0.068	1	4.8E-14	27	AUG	2016	23	47	1
16D30862		6.5 %	373-DFWJ-14	Plagioclase	Dufur	FCT-NM (7A41-16)	28.201	0.082	Kuiper et al (2008)	10.6492	0.067	0.00147592	0.067	303.348	0.145	0.99352382	0.068	1	4.8E-14	27	AUG	2016	23	55	1
16D30864		7.0 %	373-DFWJ-14	Plagioclase	Dufur	FCT-NM (7A41-16)	28.201	0.082	Kuiper et al (2008)	10.6492	0.067	0.00147592	0.067	303.348	0.145	0.99352382	0.068	1	4.8E-14	28	AUG	2016	0	12	1
16D30865		7.6 %	373-DFWJ-14	Plagioclase	Dufur	FCT-NM (7A41-16)	28.201	0.082	Kuiper et al (2008)	10.6492	0.067	0.00147592	0.067	303.348	0.145	0.99352382	0.068	1	4.8E-14	28	AUG	2016	0	21	1
16D30867		8.4 %	373-DFWJ-14	Plagioclase	Dufur	FCT-NM (7A41-16)	28.201	0.082	Kuiper et al (2008)	10.6492	0.067	0.00147592	0.067	303.348	0.145	0.99352382	0.068	1	4.8E-14	28	AUG	2016	0	38	1
16D30868		9.4 %	373-DFWJ-14	Plagioclase	Dufur	FCT-NM (7A41-16)	28.201	0.082	Kuiper et al (2008)	10.6492	0.067	0.00147592	0.067	303.348	0.145	0.99352382	0.068	1	4.8E-14	28	AUG	2016	0	47	1
16D30870		10.5 %	373-DFWJ-14	Plagioclase	Dufur	FCT-NM (7A41-16)	28.201	0.082	Kuiper et al (2008)	10.6492	0.067	0.00147592	0.067	303.348	0.145	0.99352382	0.068	1	4.8E-14	28	AUG	2016	1	4	1
16D30871		11.7 %	373-DFWJ-14	Plagioclase	Dufur	FCT-NM (7A41-16)	28.201	0.082	Kuiper et al (2008)	10.6492	0.067	0.00147592	0.067	303.348	0.145	0.99352382	0.068	1	4.8E-14	28	AUG	2016	1	12	1
16D30873		13.1 %	373-DFWJ-14	Plagioclase	Dufur	FCT-NM (7A41-16)	28.201	0.082	Kuiper et al (2008)	10.6492	0.067	0.00147592	0.067	303.348	0.145	0.99352382	0.068	1	4.8E-14	28	AUG	2016	1	29	1
16D30874		14.7 %	373-DFWJ-14	Plagioclase	Dufur	FCT-NM (7A41-16)	28.201	0.082	Kuiper et al (2008)	10.6492	0.067	0.00147592	0.067	303.348	0.145	0.99352382	0.068	1	4.8E-14	28	AUG	2016	1	38	1
16D30876		16.5 %	373-DFWJ-14	Plagioclase	Dufur	FCT-NM (7A41-16)	28.201	0.082	Kuiper et al (2008)	10.6492	0.067	0.00147592	0.067	303.348	0.145	0.99352382	0.068	1	4.8E-14	28	AUG	2016	1	55	1
16D30877		18.5 %	373-DFWJ-14	Plagioclase	Dufur	FCT-NM (7A41-16)	28.201	0.082	Kuiper et al (2008)	10.6492	0.067	0.00147592	0.067	303.348	0.145	0.99352382	0.068	1	4.8E-14	28	AUG	2016	2	3	1
16D30879		19.6 %	373-DFWJ-14	Plagioclase	Dufur	FCT-NM (7A41-16)	28.201	0.082	Kuiper et al (2008)	10.6492	0.067	0.00147592	0.067	303.348	0.145	0.99352382	0.068	1	4.8E-14	28	AUG	2016	2	21	1
16D30880		20.8 %	373-DFWJ-14	Plagioclase	Dufur	FCT-NM (7A41-16)	28.201	0.082	Kuiper et al (2008)	10.6492	0.067	0.00147592	0.067	303.348	0.145	0.99352382	0.068	1	4.8E-14	28	AUG	2016	2	29	1
16D30882		22.0 %	373-DFWJ-14	Plagioclase	Dufur	FCT-NM (7A41-16)	28.201	0.082	Kuiper et al (2008)	10.6492	0.067	0.00147592	0.067	303.348	0.145	0.99352382	0.068	1	4.8E-14	28	AUG	2016	2	46	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
16D30840	1.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D30841	2.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D30843	2.4 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D30844	2.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D30846	3.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D30847	3.3 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D30849	3.6 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D30850	3.9 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D30852	4.3 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D30853	4.6 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D30855	4.9 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D30856	5.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D30858	5.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D30859	5.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D30861	6.1 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D30862	6.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D30864	7.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D30865	7.6 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D30867	8.4 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D30868	9.4 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D30870	10.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D30871	11.7 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D30873	13.1 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D30874	14.7 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D30876	16.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D30877	18.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D30879	19.6 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D30880	20.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D30882	22.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0

16D30836.AGE >>> 373-DFWJ-14 >>> OREGON | MCCLAUGHRY (15-17) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

$3.83 \pm 0.01$

TOTAL FUSION

$3.84 \pm 0.01$

NORMAL ISOCHRON

$3.81 \pm 0.01$

INVERSE ISOCHRON

$3.82 \pm 0.01$

MSWD (PROBABILITY)

2.62 (0%)

Sample Info

Plagioclase

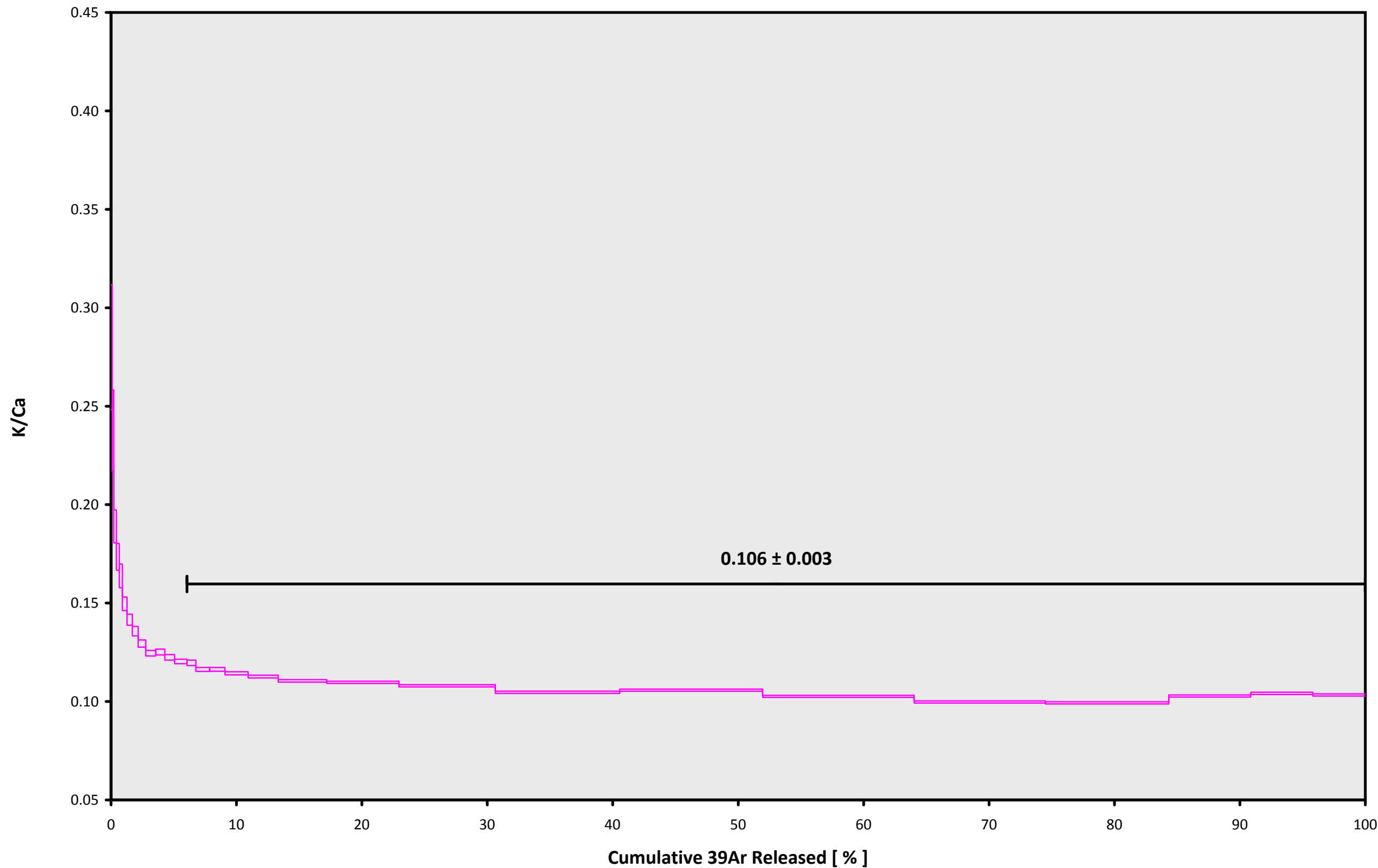
Dufur

Anthony Koppers

IRR = 16-OSU-07 (7A41-16)

J =  $0.00147592 \pm 0.00000099$

16D30836.AGE >>> 373-DFWJ-14 >>> OREGON | MCCLAUGHRY (15-17) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

$3.83 \pm 0.01$

TOTAL FUSION

$3.84 \pm 0.01$

NORMAL ISOCHRON

$3.81 \pm 0.01$

INVERSE ISOCHRON

$3.82 \pm 0.01$

Sample Info

Plagioclase

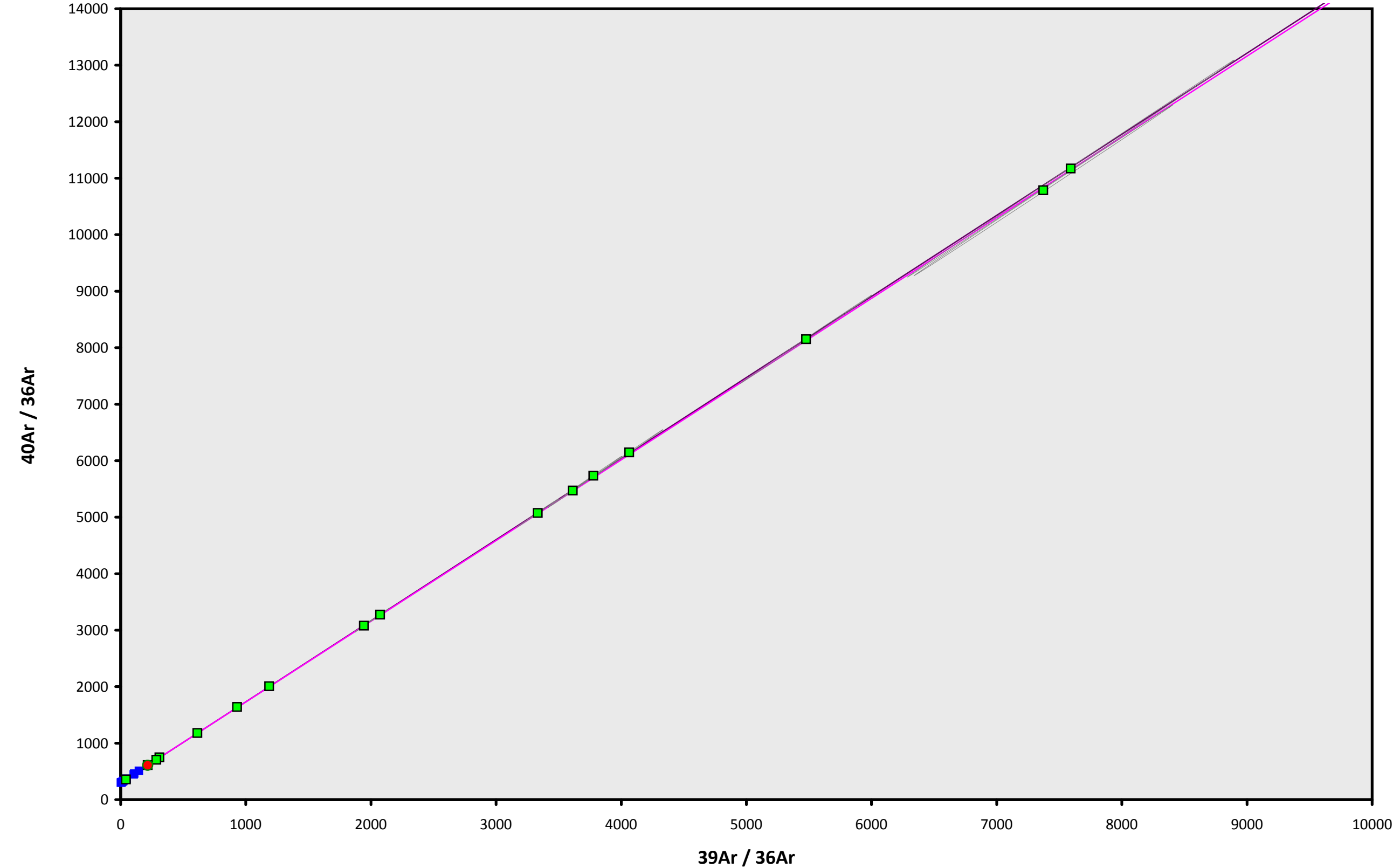
Dufur

Anthony Koppers

IRR = 16-OSU-07 (7A41-16)

J =  $0.00147592 \pm 0.00000099$

16D30836.AGE >>> 373-DFWJ-14 >>> OREGON | MCCLAUGHRY (15-17) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

$3.83 \pm 0.01$

TOTAL FUSION

$3.84 \pm 0.01$

NORMAL ISOCHRON

$3.81 \pm 0.01$

INVERSE ISOCHRON

$3.82 \pm 0.01$

MSWD (PROBABILITY)

3.85 (0%)

40AR/36AR INTERCEPT

$300.4 \pm 3.9$

Sample Info

Plagioclase

Dufur

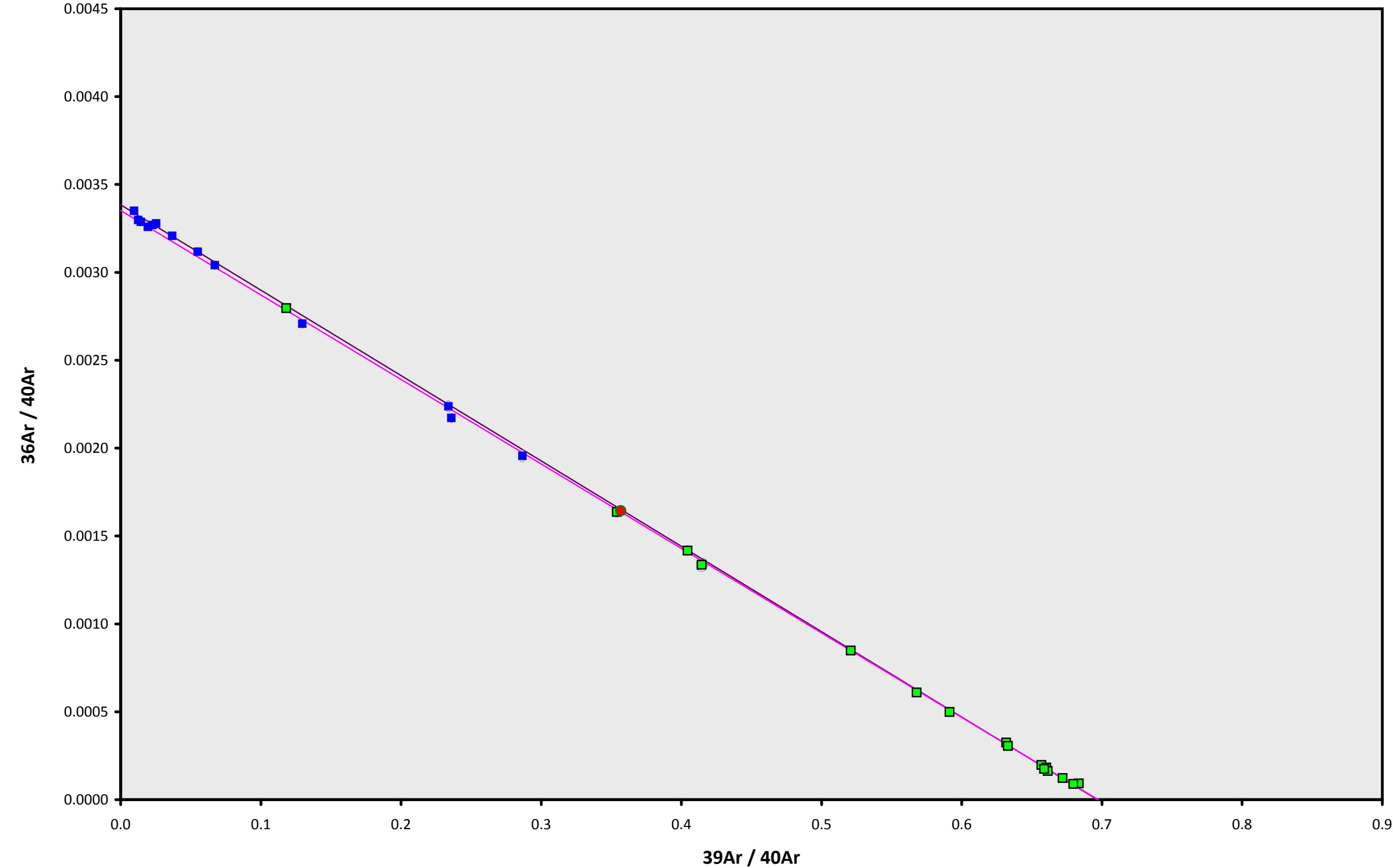
Anthony Koppers

IRR = 16-OSU-07 (7A41-16)

J =  $0.00147592 \pm 0.00000099$



16D30836.AGE >>> 373-DFWJ-14 >>> OREGON | MCCLAUGHRY (15-17) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

$3.83 \pm 0.01$

TOTAL FUSION

$3.84 \pm 0.01$

NORMAL ISOCHRON

$3.81 \pm 0.01$

INVERSE ISOCHRON

$3.82 \pm 0.01$

MSWD (PROBABILITY)

2.23 (1%)

SPREADING FACTOR

81.1%

40AR/36AR INTERCEPT

$298.3 \pm 3.0$

Sample Info

Plagioclase

Dufur

Anthony Koppers

IRR = 16-OSU-07 (7A41-16)

$J = 0.00147592 \pm 0.00000099$