

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
16D44890	1.8 %	✓	0.0223702	1.906	5.6360	1.207	0.062345	39.024	0.94996	2.306	6.55980	0.389	0.41247 ± 0.27267	2.03 ± 1.34	5.95	0.11	0.0722 ± 0.0038
16D44891	2.0 %	✓	0.0418888	1.131	9.4845	0.706	0.048785	51.867	1.39320	1.574	12.55658	0.205	0.66339 ± 0.20653	3.26 ± 1.02	7.33	0.16	0.0629 ± 0.0022
16D44893	2.4 %	✓	0.0822150	0.736	18.8486	0.427	0.094157	25.667	2.56394	0.857	24.55745	0.106	0.68100 ± 0.14218	3.35 ± 0.70	7.07	0.29	0.0582 ± 0.0011
16D44894	2.8 %	✓	0.1000966	0.663	38.5888	0.293	0.125590	18.651	5.02930	0.462	30.24682	0.089	0.73687 ± 0.07953	3.63 ± 0.39	12.19	0.57	0.0558 ± 0.0006
16D44896	3.0 %	✓	0.0386047	1.237	31.1497	0.311	0.043124	57.404	4.13037	0.545	11.99598	0.217	0.73584 ± 0.07041	3.62 ± 0.35	25.21	0.47	0.0567 ± 0.0007
16D44897	3.3 %	✓	0.0268407	1.573	26.4750	0.343	0.051397	47.326	3.45207	0.670	8.25375	0.299	0.69671 ± 0.07481	3.43 ± 0.37	28.99	0.39	0.0558 ± 0.0008
16D44899	3.6 %	✓	0.0332940	1.337	35.7088	0.295	0.090047	26.402	4.60642	0.490	10.19441	0.247	0.68722 ± 0.05897	3.38 ± 0.29	30.89	0.52	0.0552 ± 0.0006
16D44900	3.9 %	✓	0.0397573	1.168	46.3621	0.281	0.075047	33.394	6.04422	0.397	12.49285	0.211	0.72675 ± 0.04702	3.58 ± 0.23	34.98	0.68	0.0558 ± 0.0005
16D44902	4.3 %	✓	0.0353087	1.238	52.6046	0.271	0.111836	20.780	6.83747	0.350	11.44807	0.223	0.75395 ± 0.03925	3.71 ± 0.19	44.80	0.77	0.0556 ± 0.0005
16D44903	4.6 %	✓	0.0429381	1.194	70.3901	0.258	0.126038	18.840	9.31009	0.262	14.08375	0.172	0.74487 ± 0.03356	3.66 ± 0.16	48.99	1.05	0.0566 ± 0.0004
16D44905	4.9 %	✓	0.0368132	1.288	77.5446	0.255	0.148217	16.474	10.16988	0.228	12.47629	0.204	0.75728 ± 0.02859	3.73 ± 0.14	61.41	1.15	0.0561 ± 0.0004
16D44906	5.2 %	✓	0.0427253	1.112	86.3138	0.252	0.164970	15.096	11.05860	0.215	13.95044	0.183	0.73413 ± 0.02639	3.61 ± 0.13	57.89	1.25	0.0548 ± 0.0004
16D44908	5.5 %	✓	0.0384413	1.297	95.9220	0.251	0.142292	17.339	12.19862	0.203	12.91892	0.195	0.74679 ± 0.02510	3.67 ± 0.12	70.14	1.37	0.0544 ± 0.0004
16D44909	5.8 %	✓	0.0390966	1.221	110.1397	0.248	0.183503	13.662	14.27322	0.175	13.45875	0.198	0.74081 ± 0.02069	3.64 ± 0.10	78.15	1.61	0.0554 ± 0.0003
16D44911	6.1 %	✓	0.0401352	1.182	125.4484	0.247	0.207804	11.899	16.29143	0.160	14.09305	0.177	0.74309 ± 0.01808	3.66 ± 0.09	85.45	1.83	0.0556 ± 0.0003
16D44912	6.5 %	✓	0.0434088	1.135	141.3275	0.245	0.219098	11.361	18.37701	0.144	15.39167	0.163	0.74478 ± 0.01668	3.66 ± 0.08	88.46	2.07	0.0556 ± 0.0003
16D44914	7.0 %	✓	0.0594403	0.869	197.6531	0.243	0.301234	7.741	25.61642	0.116	21.07210	0.123	0.74417 ± 0.01276	3.66 ± 0.06	89.99	2.88	0.0554 ± 0.0003
16D44915	7.6 %	✓	0.0724565	0.822	242.3517	0.242	0.348725	6.926	31.05823	0.100	25.38506	0.100	0.74211 ± 0.01213	3.65 ± 0.06	90.32	3.50	0.0548 ± 0.0003
16D44917	8.4 %	✓	0.1010592	0.642	344.9207	0.241	0.555739	4.182	44.53233	0.088	36.29309	0.070	0.75403 ± 0.00950	3.71 ± 0.05	92.04	5.01	0.0552 ± 0.0003
16D44918	9.4 %	✓	0.1151776	0.628	392.4469	0.241	0.581464	4.121	49.46060	0.083	39.95495	0.065	0.74426 ± 0.00954	3.66 ± 0.05	91.64	5.57	0.0539 ± 0.0003
16D44920	10.5 %	✓	0.1437631	0.576	502.4494	0.241	0.793980	3.275	63.49429	0.079	50.80502	0.049	0.75402 ± 0.00865	3.71 ± 0.04	93.73	7.15	0.0540 ± 0.0003
16D44921	11.7 %	✓	0.1632924	0.523	574.6425	0.241	0.910034	2.654	72.83120	0.077	57.46530	0.046	0.74755 ± 0.00793	3.68 ± 0.04	94.24	8.20	0.0542 ± 0.0003
16D44923	13.1 %	✓	0.1719153	0.498	610.0577	0.241	0.907323	2.571	76.67871	0.077	60.53181	0.044	0.75322 ± 0.00765	3.71 ± 0.04	94.90	8.63	0.0538 ± 0.0003
16D44924	14.7 %	✓	0.1535841	0.538	523.2602	0.241	0.816245	3.164	65.65847	0.078	53.70484	0.052	0.75411 ± 0.00842	3.71 ± 0.04	91.70	7.39	0.0537 ± 0.0003
16D44926	16.5 %		0.1466003	0.591	514.0088	0.241	0.806742	3.057	64.43634	0.079	52.05112	0.050	0.76353 ± 0.00888	3.76 ± 0.04	94.01	7.26	0.0536 ± 0.0003
16D44927	18.5 %		0.1333702	0.598	457.2255	0.241	0.747577	3.217	61.78254	0.080	50.79512	0.054	0.76665 ± 0.00849	3.77 ± 0.04	92.78	6.96	0.0578 ± 0.0003
16D44929	19.6 %		0.1768799	0.501	621.0338	0.241	1.055402	2.495	86.15425	0.075	72.35154	0.039	0.80045 ± 0.00705	3.94 ± 0.03	94.85	9.71	0.0594 ± 0.0003
16D44930	20.8 %		0.1717358	0.535	576.9205	0.241	0.914448	2.774	77.26982	0.076	64.77955	0.039	0.76921 ± 0.00793	3.78 ± 0.04	91.29	8.70	0.0573 ± 0.0003
16D44932	22.0 %		0.0927663	0.705	331.0373	0.241	0.530874	4.586	42.33587	0.088	34.19134	0.079	0.77573 ± 0.01001	3.82 ± 0.05	95.54	4.77	0.0547 ± 0.0003
Σ			2.4059756	0.142	6859.9524	0.061	11.164037	1.181	887.99489	0.023	844.05943	0.017					

Information on Analysis and Constants Used in Calculations	
Project = MCCLAUGHRY (15-17)	Age Equations = Min et al. (2000)
Sample = 154-DFWJ-15	Negative Intensities = Allowed
Material = Plagioclase	Collector Calibrations = 36Ar
Location = Dufur	Decay 40K = 5.530 ± 0.048 E-10 1/a
Region = Central Cordillera of ...	Decay 39Ar = 2.940 ± 0.016 E-07 1/h
Analyst = Dan Miggins	Decay 37Ar = 8.230 ± 0.012 E-04 1/h
Irradiation = 16-OSU-10 (10C8-16)	Decay 36Cl = 2.257 ± 0.015 E-06 1/a
Position = X: 0 Y: 0 Z/H: 14.20827 mm	Decay 40K(EC,β ⁺) = 0.580 ± 0.009 E-10 1/a
FCT-NM Age = 28.201 ± 0.023 Ma	Decay 40K(β ⁻) = 4.950 ± 0.043 E-10 1/a
FCT-NM Reference = Kuiper et al (2008)	Atmospheric 40/36(a) = 295.50
FCT-NM 40Ar/39Ar Ratio = 5.77135 ± 0.00768	Atmospheric 38/36(a) = 0.1869
FCT-NM J-value = 0.00272335 ± 0.00000362	Production 39/37(ca) = 0.0006756 ± 0.0000089
Air Shot 40Ar/36Ar = 305.1700 ± 0.4517	Production 38/37(ca) = 0.0000718 ± 0.0000092
Air Shot MDF = 0.99206795 ± 0.00067728 (LIN)	Production 36/37(ca) = 0.0002663 ± 0.0000004
Experiment Type = Incremental Heating	Production 40/39(k) = 0.003823 ± 0.000102
Extraction Method = Undefined	Production 38/39(k) = 0.012031 ± 0.000019
Heating = 77 sec	Production 36/38(cl) = 262.80 ± 1.71
Isolation = 1.50 min	Scaling Ratio K/Ca = 0.430
Instrument = ARGUS-VI-D	Abundance Ratio 40K/K = 1.1700 ± 0.0100 E-04
Preferred Age = Undefined	Atomic Weight K = 39.0983 ± 0.0001 g
Age Classification = Undefined	
IGSN = 21	
Rock Class = Undefined	
Lithology = Undefined	
Lat-Lon = Undefined - Undefined	

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	M SWD	39Ar(k) (%,n)	K/Ca ± 2σ
Age Plateau		0.74897 ± 0.00321 ± 0.43%	3.68 ± 0.02 ± 0.50%	1.15 28% 1.59 1.0711	62.61 24	0.0549 ± 0.0004
		Full External Error ± 0.09				
		Analytical Error ± 0.02				
Total Fusion Age		0.75795 ± 0.00250 ± 0.33%	3.73 ± 0.02 ± 0.42%		29	0.0554 ± 0.0001
		Full External Error ± 0.09				
		Analytical Error ± 0.01				
Normal Isochron	291.93 ± 2.43 ± 0.83%	0.75082 ± 0.00310 ± 0.41%	3.69 ± 0.02 ± 0.49%	0.95 52% 1.60 1.0000	62.61 24	
		Full External Error ± 0.09				
		Analytical Error ± 0.02				
				81 0.0000075069		
Inverse Isochron	292.35 ± 2.43 ± 0.83%	0.75020 ± 0.00311 ± 0.41%	3.69 ± 0.02 ± 0.49%	0.89 60% 1.60 1.0000	62.61 24	
		Full External Error ± 0.09				
		Analytical Error ± 0.02				
				3 0.0000234253		
				87%		

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
16D44890	1.8 %	✓	0.0208661	5.6360	0.0466574	0.94616	0.39026	2.03 ± 1.34	5.95	0.11	0.0722 ± 0.0038
16D44891	2.0 %	✓	0.0393614	9.4845	0.0240627	1.38679	0.91998	3.26 ± 1.02	7.33	0.16	0.0629 ± 0.0022
16D44893	2.4 %	✓	0.0771923	18.8486	0.0476824	2.55121	1.73737	3.35 ± 0.70	7.07	0.29	0.0582 ± 0.0011
16D44894	2.8 %	✓	0.0898172	38.5888	0.0458390	5.00323	3.68671	3.63 ± 0.39	12.19	0.57	0.0558 ± 0.0006
16D44896	3.0 %	✓	0.0303096	31.1497	0.0000000	4.10933	3.02380	3.62 ± 0.35	25.21	0.47	0.0567 ± 0.0007
16D44897	3.3 %	✓	0.0197901	26.4750	0.0044806	3.43419	2.39265	3.43 ± 0.37	28.99	0.39	0.0558 ± 0.0008
16D44899	3.6 %	✓	0.0237829	35.7088	0.0279086	4.58230	3.14906	3.38 ± 0.29	30.89	0.52	0.0552 ± 0.0006
16D44900	3.9 %	✓	0.0274111	46.3621	0.0000000	6.01290	4.36988	3.58 ± 0.23	34.98	0.68	0.0558 ± 0.0005
16D44902	4.3 %	✓	0.0212986	52.6046	0.0222440	6.80193	5.12834	3.71 ± 0.19	44.80	0.77	0.0556 ± 0.0005
16D44903	4.6 %	✓	0.0241929	70.3901	0.0050244	9.26253	6.89934	3.66 ± 0.16	48.99	1.05	0.0566 ± 0.0004
16D44905	4.9 %	✓	0.0161618	77.5446	0.0179049	10.11749	7.66180	3.73 ± 0.14	61.41	1.15	0.0561 ± 0.0004
16D44906	5.2 %	✓	0.0197384	86.3138	0.0227390	11.00029	8.07570	3.61 ± 0.13	57.89	1.25	0.0548 ± 0.0004
16D44908	5.5 %	✓	0.0128973	95.9220	0.0000000	12.13381	9.06139	3.67 ± 0.12	70.14	1.37	0.0544 ± 0.0004
16D44909	5.8 %	✓	0.0097661	110.1397	0.0029436	14.19881	10.51857	3.64 ± 0.10	78.15	1.61	0.0554 ± 0.0003
16D44911	6.1 %	✓	0.0067281	125.4484	0.0025564	16.20667	12.04294	3.66 ± 0.09	85.45	1.83	0.0556 ± 0.0003
16D44912	6.5 %	✓	0.0057733	141.3275	0.0000000	18.28153	13.61578	3.66 ± 0.08	88.46	2.07	0.0556 ± 0.0003
16D44914	7.0 %	✓	0.0068053	197.6531	0.0000000	25.48288	18.96371	3.66 ± 0.06	89.99	2.88	0.0554 ± 0.0003
16D44915	7.6 %	✓	0.0079183	242.3517	0.0000000	30.89450	22.92710	3.65 ± 0.06	90.32	3.50	0.0548 ± 0.0003
16D44917	8.4 %	✓	0.0092068	344.9207	0.0000000	44.29931	33.40312	3.71 ± 0.05	92.04	5.01	0.0552 ± 0.0003
16D44918	9.4 %	✓	0.0106690	392.4469	0.0000000	49.19546	36.61419	3.66 ± 0.05	91.64	5.57	0.0539 ± 0.0003
16D44920	10.5 %	✓	0.0099608	502.4494	0.0000000	63.15484	47.62015	3.71 ± 0.04	93.73	7.15	0.0540 ± 0.0003
16D44921	11.7 %	✓	0.0102651	574.6425	0.0000000	72.44297	54.15500	3.68 ± 0.04	94.24	8.20	0.0542 ± 0.0003
16D44923	13.1 %	✓	0.0094570	610.0577	0.0000000	76.26655	57.44571	3.71 ± 0.04	94.90	8.63	0.0538 ± 0.0003
16D44924	14.7 %	✓	0.0142399	523.2602	0.0000000	65.30496	49.24728	3.71 ± 0.04	91.70	7.39	0.0537 ± 0.0003
16D44926	16.5 %		0.0097197	514.0088	0.0000000	64.08907	48.93393	3.76 ± 0.04	94.01	7.26	0.0536 ± 0.0003
16D44927	18.5 %		0.0116111	457.2255	0.0000000	61.47364	47.12903	3.77 ± 0.04	92.78	6.96	0.0578 ± 0.0003
16D44929	19.6 %		0.0114986	621.0338	0.0000000	85.73468	68.62595	3.94 ± 0.03	94.85	9.71	0.0594 ± 0.0003
16D44930	20.8 %		0.0181019	576.9205	0.0000000	76.88005	59.13654	3.78 ± 0.04	91.29	8.70	0.0573 ± 0.0003
16D44932	22.0 %		0.0046111	331.0373	0.0000000	42.11222	32.66778	3.82 ± 0.05	95.54	4.77	0.0547 ± 0.0003
Σ			0.5791516	6859.9524	0.2700431	883.36030	669.54306				

Information on Analysis	Results	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (%,n)	K/Ca ± 2σ
Project = MCCLAUGHRY (15-17) Sample = 154-DFWJ-15 Material = Plagioclase Location = Dufur Region = Central Cordillera of ... Analyst = Dan Miggins Irradiation = 16-OSU-10 (10C8-16) J = 0.00272335 ± 0.00000362 FCT-NM = 28.201 ± 0.023 Ma	Age Plateau	0.74897 ± 0.00321 ± 0.43%	3.68 ± 0.02 ± 0.50%	1.15	62.61	0.0549 ± 0.0004
				28%	24	
				1.59	2σ Confidence Limit	
	Total Fusion Age	0.75795 ± 0.00250 ± 0.33%	3.73 ± 0.02 ± 0.42%	1.0711	Error Magnification	

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
16D44890	1.8 %	✓	45.34 ± 2.80	314.20 ± 13.08	0.6504
16D44891	2.0 %	✓	35.23 ± 1.40	318.87 ± 7.79	0.5974
16D44893	2.4 %	✓	33.05 ± 0.77	318.01 ± 5.03	0.6671
16D44894	2.8 %	✓	55.70 ± 0.97	336.55 ± 5.02	0.8410
16D44896	3.0 %	✓	135.58 ± 4.53	395.26 ± 12.59	0.9358
16D44897	3.3 %	✓	173.53 ± 7.78	416.40 ± 17.98	0.9446
16D44899	3.6 %	✓	192.67 ± 7.47	427.91 ± 16.19	0.9589
16D44900	3.9 %	✓	219.36 ± 7.66	454.92 ± 15.59	0.9661
16D44902	4.3 %	✓	319.36 ± 13.36	536.28 ± 22.25	0.9800
16D44903	4.6 %	✓	382.86 ± 16.45	580.68 ± 24.84	0.9892
16D44905	4.9 %	✓	626.01 ± 37.15	769.57 ± 45.65	0.9946
16D44906	5.2 %	✓	557.30 ± 27.21	704.64 ± 34.36	0.9932
16D44908	5.5 %	✓	940.81 ± 73.67	998.08 ± 78.15	0.9974
16D44909	5.8 %	✓	1453.88 ± 144.47	1372.54 ± 136.41	0.9986
16D44911	6.1 %	✓	2408.81 ± 346.82	2085.45 ± 300.28	0.9994
16D44912	6.5 %	✓	3166.58 ± 553.56	2653.92 ± 463.96	0.9997
16D44914	7.0 %	✓	3744.57 ± 592.04	3082.12 ± 487.31	0.9998
16D44915	7.6 %	✓	3901.67 ± 614.07	3190.97 ± 502.21	0.9998
16D44917	8.4 %	✓	4811.56 ± 730.81	3923.57 ± 595.92	0.9999
16D44918	9.4 %	✓	4611.07 ± 675.96	3727.33 ± 546.39	0.9999
16D44920	10.5 %	✓	6340.32 ± 1160.16	5076.24 ± 928.84	0.9999
16D44921	11.7 %	✓	7057.18 ± 1316.58	5571.12 ± 1039.32	1.0000
16D44923	13.1 %	✓	8064.60 ± 1657.18	6369.94 ± 1308.92	1.0000
16D44924	14.7 %	✓	4586.05 ± 590.00	3753.90 ± 482.93	0.9999
16D44926	16.5 %		6593.71 ± 1287.77	5330.00 ± 1040.94	1.0000
16D44927	18.5 %		5294.39 ± 792.56	4354.47 ± 651.83	0.9999
16D44929	19.6 %		7456.12 ± 1300.76	6263.72 ± 1092.71	1.0000
16D44930	20.8 %		4247.08 ± 477.09	3562.38 ± 400.14	0.9999
16D44932	22.0 %		9132.86 ± 2774.23	7380.15 ± 2241.81	1.0000

Results	40(a)/36(a) ± 2σ		40(r)/39(k) ± 2σ		Age ± 2σ (Ma)	MSWD
Normal Isochron	291.93 ± 2.43 ± 0.83%		0.75082 ± 0.00310 ± 0.41%		3.69 ± 0.02	0.95
					± 0.49%	52%
				Full External Error ± 0.09		
				Analytical Error ± 0.02		
Statistics	2σ Confidence Limit	1.60	Convergence	0.000007506851		
	Error Magnification	1.0000	Number of Iterations	81		
	Number of Data Points	24	Calculated Line	Weighted York-2		

Inverse Isochron			39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
16D44890	1.8 %	✓	0.1443150 ± 0.0067766	0.00318266 ± 0.00013254	0.0310
16D44891	2.0 %	✓	0.1104898 ± 0.0035238	0.00313605 ± 0.00007665	0.0216
16D44893	2.4 %	✓	0.1039287 ± 0.0018039	0.00314458 ± 0.00004976	0.0164
16D44894	2.8 %	✓	0.1655180 ± 0.0015646	0.00297136 ± 0.00004429	0.0224
16D44896	3.0 %	✓	0.3430080 ± 0.0040453	0.00252996 ± 0.00008060	0.0503
16D44897	3.3 %	✓	0.4167387 ± 0.0061414	0.00240153 ± 0.00010370	0.0564
16D44899	3.6 %	✓	0.4502650 ± 0.0049651	0.00233695 ± 0.00008844	0.0588
16D44900	3.9 %	✓	0.4821946 ± 0.0043576	0.00219819 ± 0.00007535	0.0578
16D44902	4.3 %	✓	0.5955082 ± 0.0049634	0.00186469 ± 0.00007736	0.0578
16D44903	4.6 %	✓	0.6593331 ± 0.0041576	0.00172212 ± 0.00007367	0.0442
16D44905	4.9 %	✓	0.8134591 ± 0.0050026	0.00129943 ± 0.00007708	0.0461
16D44906	5.2 %	✓	0.7909103 ± 0.0044905	0.00141917 ± 0.00006921	0.0488
16D44908	5.5 %	✓	0.9426128 ± 0.0053270	0.00100192 ± 0.00007845	0.0346
16D44909	5.8 %	✓	1.0592597 ± 0.0056246	0.00072857 ± 0.00007241	0.0299
16D44911	6.1 %	✓	1.1550541 ± 0.0055472	0.00047951 ± 0.00006904	0.0184
16D44912	6.5 %	✓	1.1931728 ± 0.0052296	0.00037680 ± 0.00006587	0.0141
16D44914	7.0 %	✓	1.2149357 ± 0.0041550	0.00032445 ± 0.00005130	0.0115
16D44915	7.6 %	✓	1.2227236 ± 0.0034970	0.00031338 ± 0.00004932	0.0091
16D44917	8.4 %	✓	1.2263212 ± 0.0028071	0.00025487 ± 0.00003871	0.0059
16D44918	9.4 %	✓	1.2370967 ± 0.0026424	0.00026829 ± 0.00003933	0.0056
16D44920	10.5 %	✓	1.2490184 ± 0.0023644	0.00019700 ± 0.00003605	0.0029
16D44921	11.7 %	✓	1.2667435 ± 0.0023150	0.00017950 ± 0.00003349	0.0027
16D44923	13.1 %	✓	1.2660399 ± 0.0022836	0.00015699 ± 0.00003226	0.0023
16D44924	14.7 %	✓	1.2216768 ± 0.0023446	0.00026639 ± 0.00003427	0.0047
16D44926	16.5 %		1.2370950 ± 0.0023506	0.00018762 ± 0.00003664	0.0029
16D44927	18.5 %		1.2158526 ± 0.0023814	0.00022965 ± 0.00003438	0.0042
16D44929	19.6 %		1.1903663 ± 0.0020543	0.00015965 ± 0.00002785	0.0023
16D44930	20.8 %		1.1922042 ± 0.0020806	0.00028071 ± 0.00003153	0.0034
16D44932	22.0 %		1.2374904 ± 0.0029593	0.00013550 ± 0.00004116	0.0036

Results	40(a)/36(a) ± 2σ		40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	292.35 ± 2.43 ± 0.83%		0.75020 ± 0.00311 ± 0.41%	3.69 ± 0.02	0.89
				± 0.49%	60%
				Full External Error ± 0.09	
				Analytical Error ± 0.02	
Statistics	2σ Confidence Limit	1.60	Convergence	0.0000234253	
	Error Magnification	1.0000	Number of Iterations	3	
	Number of Data Points	24	Calculated Line	Weighted York-2	
	Spreading Factor	87.2%			

Degassing Patterns			36Ar(a) [fA]	%1σ	36Ar(c) [fA]	%1σ	36Ar(ca) [fA]	%1σ	36Ar(cl) [fA]	%1σ	37Ar(ca) [fA]	%1σ	38Ar(a) [fA]	%1σ	38Ar(c) [fA]	%1σ	38Ar(k) [fA]	%1σ	38Ar(ca) [fA]	%1σ	38Ar(cl) [fA]	%1σ	39Ar(k) [fA]	%1σ	39Ar(ca) [fA]	%1σ	40Ar(r) [fA]	%1σ	40Ar(a) [fA]	%1σ	40Ar(c) [fA]	%1σ	40Ar(k) [fA]	%1σ
16D44890	1.8 %	✓	0.0208661	2.05	0.0000000	0.00	0.0015009	1.22	0.0000032	52.16	5.6360	1.21	0.0038999	2.05	0.0000000	0.00	0.011383	2.32	0.0004047	12.88	0.0466574	52.17	0.94616	2.32	0.0038077	1.79	0.39026	32.97	6.16593	2.05	0.0000000	0.00	0.0036172	3.53
16D44891	2.0 %	✓	0.0393614	1.20	0.0000000	0.00	0.0025257	0.72	0.0000017	105.17	9.4845	0.71	0.0073566	1.20	0.0000000	0.00	0.016684	1.59	0.0006810	12.84	0.0240627	105.17	1.38679	1.58	0.0064077	1.50	0.91998	15.49	11.63130	1.20	0.0000000	0.00	0.0053017	3.09
16D44893	2.4 %	✓	0.0771923	0.78	0.0000000	0.00	0.0050194	0.45	0.0000033	50.70	18.8486	0.43	0.0144272	0.78	0.0000000	0.00	0.030694	0.88	0.0013533	12.83	0.0476824	50.71	2.55121	0.86	0.0127341	1.39	1.73737	10.40	22.81032	0.78	0.0000000	0.00	0.0097533	2.80
16D44894	2.8 %	✓	0.0898172	0.74	0.0000000	0.00	0.0102762	0.33	0.0000032	51.12	38.5888	0.29	0.0167868	0.74	0.0000000	0.00	0.060194	0.49	0.0027707	12.82	0.0458390	51.13	5.00323	0.46	0.0260706	1.35	3.68671	5.38	26.54099	0.74	0.0000000	0.00	0.0191273	2.70
16D44896	3.0 %	✓	0.0303096	1.58	0.0000000	0.00	0.0082952	0.35	0.0000000	0.00	31.1497	0.31	0.0056649	1.58	0.0000000	0.00	0.049439	0.57	0.0022366	12.82	0.0000000	0.00	4.10933	0.55	0.0210448	1.36	3.02380	4.75	8.95647	1.58	0.0000000	0.00	0.0157100	2.72
16D44897	3.3 %	✓	0.0197901	2.14	0.0000000	0.00	0.0070503	0.37	0.0000003	542.95	26.4750	0.34	0.0036988	2.14	0.0000000	0.00	0.041317	0.69	0.0019009	12.82	0.0044806	542.95	3.43419	0.67	0.0178865	1.36	2.39265	5.33	5.84798	2.14	0.0000000	0.00	0.0131289	2.74
16D44899	3.6 %	✓	0.0237829	1.88	0.0000000	0.00	0.0095092	0.33	0.0000019	85.21	35.7088	0.30	0.0044450	1.88	0.0000000	0.00	0.055130	0.52	0.0025639	12.82	0.0279086	85.21	4.58230	0.49	0.0241249	1.35	3.14906	4.26	7.02783	1.88	0.0000000	0.00	0.0175181	2.71
16D44900	3.9 %	✓	0.0274111	1.70	0.0000000	0.00	0.0123462	0.32	0.0000000	0.00	46.3621	0.28	0.0051231	1.70	0.0000000	0.00	0.072341	0.43	0.0033288	12.82	0.0000000	0.00	6.01290	0.40	0.0313222	1.35	4.36988	3.21	8.09998	1.70	0.0000000	0.00	0.0229873	2.69
16D44902	4.3 %	✓	0.0212986	2.06	0.0000000	0.00	0.0140086	0.31	0.0000015	104.52	52.6046	0.27	0.0039807	2.06	0.0000000	0.00	0.081834	0.39	0.0037770	12.82	0.0222440	104.52	6.80193	0.35	0.0355397	1.35	5.12834	2.58	6.29373	2.06	0.0000000	0.00	0.0260038	2.68
16D44903	4.6 %	✓	0.0241929	2.13	0.0000000	0.00	0.0187449	0.30	0.0000003	472.84	70.3901	0.26	0.0045217	2.13	0.0000000	0.00	0.111438	0.31	0.0050540	12.82	0.0050244	472.84	9.26253	0.26	0.0475555	1.34	6.89934	2.24	7.14900	2.13	0.0000000	0.00	0.0354107	2.67
16D44905	4.9 %	✓	0.0161618	2.96	0.0000000	0.00	0.0206501	0.30	0.0000012	136.45	77.5446	0.26	0.0030206	2.96	0.0000000	0.00	0.121724	0.28	0.0055677	12.82	0.0179049	136.45	10.11749	0.23	0.0523892	1.34	7.66180	1.87	4.77581	2.96	0.0000000	0.00	0.0386792	2.67
16D44906	5.2 %	✓	0.0197384	2.43	0.0000000	0.00	0.0229854	0.29	0.0000016	109.59	86.3138	0.25	0.0036891	2.43	0.0000000	0.00	0.132344	0.27	0.0061973	12.82	0.0227390	109.60	11.00029	0.22	0.0583136	1.34	8.07570	1.78	5.83269	2.43	0.0000000	0.00	0.0420541	2.67
16D44908	5.5 %	✓	0.0128973	3.91	0.0000000	0.00	0.0255440	0.29	0.0000000	0.00	95.9220	0.25	0.0024105	3.91	0.0000000	0.00	0.145982	0.26	0.0068872	12.82	0.0000000	0.00	12.13381	0.20	0.0648049	1.34	9.06139	1.67	3.81114	3.91	0.0000000	0.00	0.0463876	2.67
16D44909	5.8 %	✓	0.0097661	4.97	0.0000000	0.00	0.0293302	0.29	0.0000002	852.49	110.1397	0.25	0.0018253	4.97	0.0000000	0.00	0.170826	0.24	0.0079080	12.82	0.0029436	852.49	14.19881	0.18	0.0744104	1.34	10.51857	1.39	2.88590	4.97	0.0000000	0.00	0.0542820	2.67
16D44911	6.1 %	✓	0.0067281	7.20	0.0000000	0.00	0.0334069	0.29	0.0000002	968.47	125.4484	0.25	0.0012575	7.20	0.0000000	0.00	0.194982	0.23	0.0090072	12.82	0.0025564	968.47	16.20667	0.16	0.0847529	1.34	12.04294	1.21	1.98815	7.20	0.0000000	0.00	0.0619581	2.66
16D44912	6.5 %	✓	0.0057733	8.74	0.0000000	0.00	0.0376355	0.29	0.0000000	0.00	141.3275	0.24	0.0010790	8.74	0.0000000	0.00	0.219945	0.22	0.0101473	12.82	0.0000000	0.00	18.28153	0.14	0.0954808	1.34	13.61578	1.11	1.70600	8.74	0.0000000	0.00	0.0698903	2.66
16D44914	7.0 %	✓	0.0068053	7.90	0.0000000	0.00	0.0526350	0.29	0.0000000	0.00	197.6531	0.24	0.0012719	7.90	0.0000000	0.00	0.306585	0.20	0.0141915	12.82	0.0000000	0.00	25.48288	0.12	0.1335344	1.34	18.96371	0.85	2.01096	7.90	0.0000000	0.00	0.0974211	2.66
16D44915	7.6 %	✓	0.0079183	7.87	0.0000000	0.00	0.0645383	0.28	0.0000000	0.00	242.3517	0.24	0.0014799	7.87	0.0000000	0.00	0.371692	0.19	0.0174009	12.82	0.0000000	0.00	30.89450	0.10	0.1637328	1.34	22.92710	0.81	2.33985	7.87	0.0000000	0.00	0.1181097	2.66
16D44917	8.4 %	✓	0.0092068	7.59	0.0000000	0.00	0.0918524	0.28	0.0000000	0.00	344.9207	0.24	0.0017208	7.59	0.0000000	0.00	0.532965	0.18	0.0247653	12.82	0.0000000	0.00	44.29931	0.09	0.2330284	1.34	33.40312	0.62	2.72062	7.59	0.0000000	0.00	0.1693562	2.66
16D44918	9.4 %	✓	0.0106690	7.33	0.0000000	0.00	0.1045086	0.28	0.0000000	0.00	392.4469	0.24	0.0019940	7.33	0.0000000	0.00	0.591871	0.18	0.0281777	12.82	0.0000000	0.00	49.19546	0.08	0.2651372	1.34	36.61419	0.64	3.15268	7.33	0.0000000	0.00	0.1880743	2.66
16D44920	10.5 %	✓	0.0099608	9.15	0.0000000	0.00	0.1338023	0.28	0.0000000	0.00	502.4494	0.24	0.0018617	9.15	0.0000000	0.00	0.759816	0.18	0.0360759	12.82	0.0000000	0.00	63.15484	0.08	0.3394548	1.34	47.62015	0.57	2.94343	9.15	0.0000000	0.00	0.2414409	2.66
16D44921	11.7 %	✓	0.0102651	9.33	0.0000000	0.00	0.1530273	0.28	0.0000000	0.00	574.6425	0.24	0.0019186	9.33	0.0000000	0.00	0.871561	0.18	0.0412593	12.82	0.0000000	0.00	72.44297	0.08	0.3882285	1.34	54.15500	0.52	3.03335	9.33	0.0000000	0.00	0.2769495	2.66
16D44923	13.1 %	✓	0.0094570	10.27	0.0000000	0.00	0.1624584	0.28	0.0000000	0.00	610.0577	0.24	0.0017675	10.27	0.0000000	0.00	0.917563	0.18	0.0438021	12.82	0.0000000	0.00	76.26655	0.08	0.4121550	1.34	57.44571	0.50	2.79453	10.27	0.0000000	0.00	0.2915670	2.66
16D44924	14.7 %	✓	0.0142399	6.43	0.0000000	0.00	0.1393442	0.28	0.0000000	0.00	523.2602	0.24	0.0026614	6.43	0.0000000	0.00	0.785684	0.18	0.0375701	12.82	0.0000000	0.00	65.30496	0.08	0.3535146	1.34	49.24728	0.55	4.20790	6.43	0.0000000	0.00	0.2496608	2.66
16D44926	16.5 %		0.0097197	9.76	0.0000000	0.00	0.1368805	0.28	0.0000000	0.00	514.0088	0.24	0.0018166	9.76	0.0000000	0.00	0.771056	0.18	0.0369058	12.82	0.0000000	0.00	64.08907	0.08	0.3472643	1.34	48.93393	0.58	2.87218	9.76	0.0000000	0.00	0.2450125	2.66
16D44927	18.5 %		0.0116111	7.48	0.0000000	0.00	0.1217591	0.28	0.0000000	0.00	457.2255	0.24	0.0021701	7.48	0.0000000	0.00	0.739589	0.18	0.0328288	12.82	0.0000000	0.00	61.47364	0.08	0.3089015	1.34	47.12903	0.55	3.43107	7.48	0.0000000	0.00	0.2350137	2.66
16D44929	19.6 %		0.0114986	8.72	0.0000000	0.00	0.1653813	0.28	0.0000000	0.00	621.0338	0.24	0.0021491	8.72	0.0000000	0.00	1.031474	0.18	0.0445902	12.82	0.0000000	0.00	85.73468	0.08	0.4195704	1.34	68.62595	0.43	3.39783	8.72	0.0000000	0.00	0.3277637	2.66
16D44930	20.8 %		0.0181019	5.62	0.0000000	0.00	0.1536339	0.28	0.0000000	0.00	576.9205	0.24	0.0033832	5.62	0.0000000	0.00	0.924944	0.18	0.0414229	12.82	0.0000000	0.00	76.88005	0.08	0.3897675	1.34	59.13654	0.51	5.34910	5.62	0.0000000	0.00	0.2939124	2.66
16D44932	22.0 %		0.0046111	15.19	0.0000000	0.00	0.0881552	0.28	0.0000000	0.00	331.0373	0.24	0.0008618	15.19	0.0000000	0.00	0.506652	0.18	0.0237685	12.82	0.0000000	0.00	42.11222	0.09	0.2236488	1.34	32.66778	0.64	1.36257	15.19	0.0000000	0.00	0.1609950	2.66
Σ			0.5791516	0.63	0.0000000	0.00	1.8268053	0.07	0.0000187	31.19	6859.9524	0.06	0.1082434	0.63	0.0000000	0.00	10.627708	0.05	0.4925446	3.23	0.2700431	31.18	883.36030	0.02	4.6345839	0.34	669.54306	0.16	171.13929	0.63	0.0000000	0.00	3.3770864	0.67
Σ																																		

Additional Parameters			40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
16D44890	1.8 %	✓	6.905318	0.161491	5.932901	0.154415	0.023548	0.000705	42.688	2.357422	1.00030640	3.149E-13
16D44891	2.0 %	✓	9.012789	0.143068	6.807735	0.117454	0.030067	0.000583	42.693	2.357681	1.00030644	6.027E-13
16D44893	2.4 %	✓	9.577999	0.082712	7.351404	0.070397	0.032066	0.000362	42.705	2.358231	1.00030653	1.179E-12
16D44894	2.8 %	✓	6.014123	0.028279	7.672806	0.041941	0.019903	0.000161	42.711	2.358522	1.00030657	1.452E-12
16D44896	3.0 %	✓	2.904333	0.017046	7.541626	0.047358	0.009347	0.000126	42.723	2.359072	1.00030665	5.758E-13
16D44897	3.3 %	✓	2.390955	0.017536	7.669313	0.057687	0.007775	0.000133	42.728	2.359331	1.00030669	3.962E-13
16D44899	3.6 %	✓	2.213086	0.012145	7.751952	0.044338	0.007228	0.000103	42.740	2.359881	1.00030678	4.893E-13
16D44900	3.9 %	✓	2.066907	0.009296	7.670472	0.037293	0.006578	0.000081	42.747	2.360172	1.00030682	5.997E-13
16D44902	4.3 %	✓	1.674313	0.006945	7.693574	0.034060	0.005164	0.000066	42.758	2.360723	1.00030690	5.495E-13
16D44903	4.6 %	✓	1.512740	0.004747	7.560623	0.027804	0.004612	0.000056	42.764	2.360982	1.00030694	6.760E-13
16D44905	4.9 %	✓	1.226789	0.003754	7.624932	0.026104	0.003620	0.000047	42.776	2.361532	1.00030703	5.989E-13
16D44906	5.2 %	✓	1.261501	0.003563	7.805124	0.025852	0.003864	0.000044	42.782	2.361824	1.00030707	6.696E-13
16D44908	5.5 %	✓	1.059048	0.002976	7.863348	0.025379	0.003151	0.000041	42.794	2.362375	1.00030715	6.201E-13
16D44909	5.8 %	✓	0.942937	0.002489	7.716531	0.023435	0.002739	0.000034	42.800	2.362666	1.00030720	6.460E-13
16D44911	6.1 %	✓	0.865059	0.002064	7.700270	0.022628	0.002464	0.000029	42.812	2.363217	1.00030728	6.765E-13
16D44912	6.5 %	✓	0.837550	0.001823	7.690448	0.021839	0.002362	0.000027	42.817	2.363477	1.00030732	7.388E-13
16D44914	7.0 %	✓	0.822601	0.001395	7.715877	0.020774	0.002320	0.000020	42.829	2.364028	1.00030740	1.011E-12
16D44915	7.6 %	✓	0.817338	0.001157	7.803141	0.020442	0.002333	0.000019	42.835	2.364320	1.00030745	1.218E-12
16D44917	8.4 %	✓	0.814983	0.000921	7.745399	0.019901	0.002269	0.000015	42.847	2.364871	1.00030753	1.742E-12
16D44918	9.4 %	✓	0.807814	0.000850	7.934536	0.020220	0.002329	0.000015	42.853	2.365131	1.00030757	1.918E-12
16D44920	10.5 %	✓	0.800151	0.000744	7.913300	0.020059	0.002264	0.000013	42.865	2.365682	1.00030765	2.439E-12
16D44921	11.7 %	✓	0.789020	0.000708	7.890059	0.019926	0.002242	0.000012	42.871	2.365974	1.00030770	2.758E-12
16D44923	13.1 %	✓	0.789421	0.000699	7.956025	0.020094	0.002242	0.000011	42.883	2.366526	1.00030778	2.906E-12
16D44924	14.7 %	✓	0.817942	0.000772	7.969424	0.020183	0.002339	0.000013	42.888	2.366786	1.00030782	2.578E-12
16D44926	16.5 %		0.807791	0.000754	7.977002	0.020207	0.002275	0.000014	42.900	2.367338	1.00030790	2.498E-12
16D44927	18.5 %		0.822160	0.000793	7.400562	0.018790	0.002159	0.000013	42.906	2.367630	1.00030795	2.438E-12
16D44929	19.6 %		0.839791	0.000712	7.208394	0.018173	0.002053	0.000010	42.918	2.368182	1.00030803	3.473E-12
16D44930	20.8 %		0.838355	0.000719	7.466312	0.018850	0.002223	0.000012	42.924	2.368475	1.00030808	3.109E-12
16D44932	22.0 %		0.807621	0.000954	7.819311	0.020079	0.002191	0.000016	42.936	2.369027	1.00030816	1.641E-12

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
16D44890	1.8 %	0.0041194 ± 0.0002834	0.0180010 ± 0.0189119	0.0377484 ± 0.0171308	0.0383299 ± 0.0156734	1.2088280 ± 0.0173154
16D44891	2.0 %	0.0042630 ± 0.0002834	0.0240105 ± 0.0189119	0.0377117 ± 0.0171308	0.0409313 ± 0.0156734	1.2198399 ± 0.0173154
16D44893	2.4 %	0.0044765 ± 0.0002834	0.0342861 ± 0.0189119	0.0370738 ± 0.0171308	0.0441771 ± 0.0156734	1.2351303 ± 0.0173154
16D44894	2.8 %	0.0045462 ± 0.0002834	0.0384820 ± 0.0189119	0.0364828 ± 0.0171308	0.0448792 ± 0.0156734	1.2394231 ± 0.0173154
16D44896	3.0 %	0.0046120 ± 0.0002834	0.0443539 ± 0.0189119	0.0350097 ± 0.0171308	0.0448076 ± 0.0156734	1.2418186 ± 0.0173154
16D44897	3.3 %	0.0046184 ± 0.0002834	0.0462891 ± 0.0189119	0.0341948 ± 0.0171308	0.0443094 ± 0.0156734	1.2408451 ± 0.0173154
16D44899	3.6 %	0.0045926 ± 0.0002834	0.0488944 ± 0.0189119	0.0322997 ± 0.0171308	0.0426548 ± 0.0156734	1.2354757 ± 0.0173154
16D44900	3.9 %	0.0045623 ± 0.0002834	0.0495513 ± 0.0189119	0.0312446 ± 0.0171308	0.0416033 ± 0.0156734	1.2312863 ± 0.0173154
16D44902	4.3 %	0.0044848 ± 0.0002834	0.0496699 ± 0.0189119	0.0292346 ± 0.0171308	0.0395975 ± 0.0156734	1.2218377 ± 0.0173154
16D44903	4.6 %	0.0044427 ± 0.0002834	0.0493001 ± 0.0189119	0.0283063 ± 0.0171308	0.0387375 ± 0.0156734	1.2170164 ± 0.0173154
16D44905	4.9 %	0.0043495 ± 0.0002834	0.0478124 ± 0.0189119	0.0264281 ± 0.0171308	0.0372827 ± 0.0156734	1.2067062 ± 0.0173154
16D44906	5.2 %	0.0043012 ± 0.0002834	0.0467232 ± 0.0189119	0.0255068 ± 0.0171308	0.0367824 ± 0.0156734	1.2014901 ± 0.0173154
16D44908	5.5 %	0.0042182 ± 0.0002834	0.0442853 ± 0.0189119	0.0239452 ± 0.0171308	0.0364491 ± 0.0156734	1.1926436 ± 0.0173154
16D44909	5.8 %	0.0041808 ± 0.0002834	0.0428688 ± 0.0189119	0.0232258 ± 0.0171308	0.0366174 ± 0.0156734	1.1886790 ± 0.0173154
16D44911	6.1 %	0.0041266 ± 0.0002834	0.0401175 ± 0.0189119	0.0220897 ± 0.0171308	0.0375815 ± 0.0156734	1.1828627 ± 0.0173154
16D44912	6.5 %	0.0041094 ± 0.0002834	0.0388416 ± 0.0189119	0.0216592 ± 0.0171308	0.0383071 ± 0.0156734	1.1809536 ± 0.0173154
16D44914	7.0 %	0.0040918 ± 0.0002834	0.0362975 ± 0.0189119	0.0209651 ± 0.0171308	0.0403233 ± 0.0156734	1.1787360 ± 0.0173154
16D44915	7.6 %	0.0040931 ± 0.0002834	0.0350935 ± 0.0189119	0.0207147 ± 0.0171308	0.0415839 ± 0.0156734	1.1785619 ± 0.0173154
16D44917	8.4 %	0.0041146 ± 0.0002834	0.0331980 ± 0.0189119	0.0204420 ± 0.0171308	0.0441151 ± 0.0156734	1.1799762 ± 0.0173154
16D44918	9.4 %	0.0041326 ± 0.0002834	0.0325112 ± 0.0189119	0.0203932 ± 0.0171308	0.0452786 ± 0.0156734	1.1813373 ± 0.0173154
16D44920	10.5 %	0.0041844 ± 0.0002834	0.0315648 ± 0.0189119	0.0204197 ± 0.0171308	0.0473917 ± 0.0156734	1.1853557 ± 0.0173154
16D44921	11.7 %	0.0042174 ± 0.0002834	0.0313748 ± 0.0189119	0.0204840 ± 0.0171308	0.0481567 ± 0.0156734	1.1878976 ± 0.0173154
16D44923	13.1 %	0.0042846 ± 0.0002834	0.0316585 ± 0.0189119	0.0206391 ± 0.0171308	0.0485089 ± 0.0156734	1.1928769 ± 0.0173154
16D44924	14.7 %	0.0043159 ± 0.0002834	0.0320976 ± 0.0189119	0.0207017 ± 0.0171308	0.0480095 ± 0.0156734	1.1950429 ± 0.0173154
16D44926	16.5 %	0.0043741 ± 0.0002834	0.0337067 ± 0.0189119	0.0207357 ± 0.0171308	0.0450371 ± 0.0156734	1.1984846 ± 0.0173154
16D44927	18.5 %	0.0043964 ± 0.0002834	0.0349370 ± 0.0189119	0.0206609 ± 0.0171308	0.0421676 ± 0.0156734	1.1992696 ± 0.0173154
16D44929	19.6 %	0.0044121 ± 0.0002834	0.0379771 ± 0.0189119	0.0202421 ± 0.0171308	0.0336650 ± 0.0156734	1.1977287 ± 0.0173154
16D44930	20.8 %	0.0044013 ± 0.0002834	0.0399606 ± 0.0189119	0.0198251 ± 0.0171308	0.0272352 ± 0.0156734	1.1948025 ± 0.0173154
16D44932	22.0 %	0.0043318 ± 0.0002834	0.0443878 ± 0.0189119	0.0185459 ± 0.0171308	0.0107059 ± 0.0156734	1.1839892 ± 0.0173154

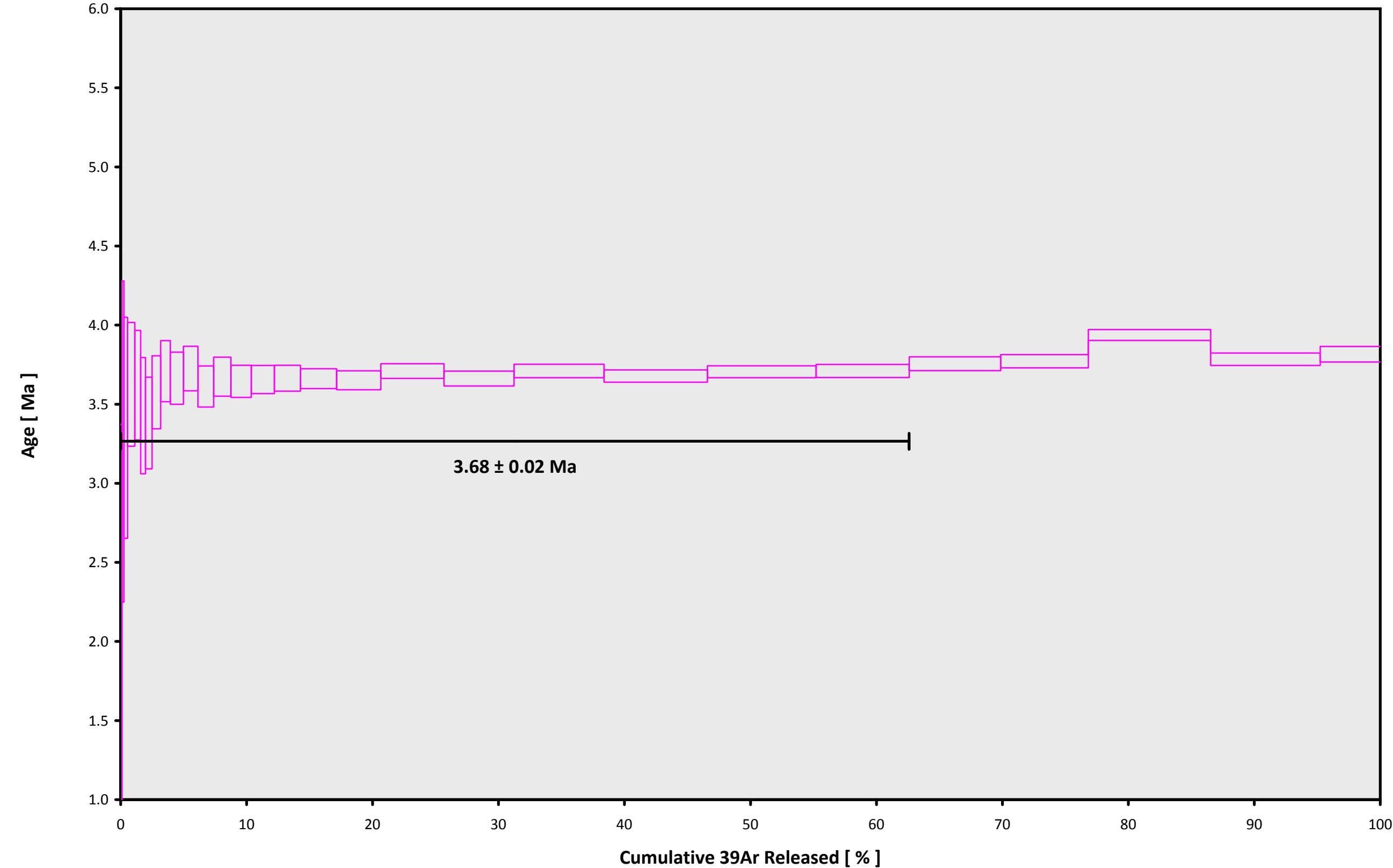
Intercept Values		36Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	37Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	38Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	39Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	40Ar ± 1σ (SE) [fA]	r2	Regression (type,n)
16D44890	1.8 %	0.0252298 ± 0.0002792	0.7710	EXP 150 of 150	2.31596 ± 0.02010	0.3062	EXP 150 of 150	0.0236079 ± 0.0167279	0.0093	EXP 150 of 150	0.903825 ± 0.015033	0.0062	EXP 150 of 150	7.768631 ± 0.018740	0.9987	EXP 150 of 150
16D44891	2.0 %	0.0437927 ± 0.0003271	0.6697	EXP 150 of 150	3.90321 ± 0.01797	0.5190	EXP 150 of 150	0.0102993 ± 0.0180728	0.0022	EXP 150 of 150	1.340812 ± 0.015050	0.0047	EXP 150 of 150	13.776420 ± 0.019066	0.9988	EXP 150 of 150
16D44893	2.4 %	0.0820612 ± 0.0004439	0.3673	EXP 150 of 150	7.76848 ± 0.02008	0.8260	EXP 150 of 150	0.0555894 ± 0.0164982	0.0000	EXP 150 of 150	2.498688 ± 0.015042	0.1050	EXP 150 of 150	25.792575 ± 0.019497	0.9989	EXP 150 of 150
16D44894	2.8 %	0.0990055 ± 0.0004902	0.2220	EXP 150 of 150	15.93420 ± 0.01887	0.9584	EXP 150 of 150	0.0871155 ± 0.0154238	0.0000	EXP 150 of 150	4.943075 ± 0.016532	0.6764	EXP 150 of 150	31.486245 ± 0.020512	0.9987	EXP 150 of 150
16D44896	3.0 %	0.0410426 ± 0.0003345	0.5517	EXP 150 of 150	12.84613 ± 0.01720	0.9513	EXP 150 of 150	0.0074304 ± 0.0173222	0.0119	EXP 150 of 150	4.051611 ± 0.015672	0.6166	EXP 150 of 150	13.237803 ± 0.019437	0.9982	EXP 150 of 150
16D44897	3.3 %	0.0299475 ± 0.0002707	0.7026	EXP 150 of 150	10.90849 ± 0.01895	0.9187	EXP 150 of 150	0.0163869 ± 0.0167201	0.0078	EXP 150 of 150	3.379383 ± 0.016570	0.4780	EXP 150 of 150	9.494595 ± 0.017591	0.9984	EXP 150 of 150
16D44899	3.6 %	0.0360115 ± 0.0002967	0.5131	EXP 150 of 150	14.72316 ± 0.01688	0.9633	EXP 150 of 150	0.0563192 ± 0.0159362	0.0064	EXP 150 of 150	4.525900 ± 0.015676	0.6906	EXP 150 of 150	11.429887 ± 0.018305	0.9981	EXP 150 of 150
16D44900	3.9 %	0.0420805 ± 0.0003170	0.4794	EXP 150 of 150	19.12720 ± 0.02044	0.9660	EXP 150 of 150	0.0426122 ± 0.0177429	0.0056	EXP 150 of 150	5.952932 ± 0.017443	0.7884	EXP 150 of 150	13.724139 ± 0.019911	0.9976	EXP 150 of 150
16D44902	4.3 %	0.0378050 ± 0.0002843	0.5612	EXP 150 of 150	21.70411 ± 0.02001	0.9753	EXP 150 of 150	0.0808273 ± 0.0151529	0.0081	EXP 149 of 150	6.741663 ± 0.017194	0.8429	EXP 150 of 150	12.669906 ± 0.018759	0.9976	EXP 150 of 150
16D44903	4.6 %	0.0449626 ± 0.0003749	0.3050	EXP 150 of 150	29.05619 ± 0.01959	0.9871	EXP 150 of 150	0.0957322 ± 0.0158938	0.0062	EXP 150 of 150	9.194813 ± 0.017375	0.9085	EXP 150 of 150	15.300766 ± 0.016946	0.9980	EXP 150 of 150
16D44905	4.9 %	0.0390894 ± 0.0003320	0.4193	EXP 150 of 150	32.00852 ± 0.02068	0.9880	EXP 150 of 150	0.1194378 ± 0.0168499	0.0180	EXP 149 of 150	10.048987 ± 0.015343	0.9416	EXP 150 of 150	13.682998 ± 0.018689	0.9976	EXP 150 of 150
16D44906	5.2 %	0.0446203 ± 0.0003281	0.3331	EXP 150 of 150	35.63029 ± 0.01947	0.9914	EXP 150 of 150	0.1368465 ± 0.0175263	0.0058	EXP 150 of 150	10.930904 ± 0.015976	0.9458	EXP 150 of 150	15.151934 ± 0.018762	0.9975	EXP 150 of 150
16D44908	5.5 %	0.0404945 ± 0.0003613	0.4270	EXP 150 of 150	39.59496 ± 0.02233	0.9908	EXP 149 of 150	0.1160897 ± 0.0172065	0.0011	EXP 150 of 150	12.061881 ± 0.016958	0.9514	EXP 150 of 150	14.111565 ± 0.018247	0.9976	EXP 150 of 150
16D44909	5.8 %	0.0410756 ± 0.0003341	0.4340	EXP 150 of 150	45.46617 ± 0.02153	0.9936	EXP 150 of 150	0.1573663 ± 0.0177531	0.0113	EXP 150 of 150	14.119256 ± 0.016578	0.9678	EXP 150 of 150	14.647426 ± 0.020194	0.9971	EXP 150 of 150
16D44911	6.1 %	0.0420014 ± 0.0003296	0.4358	EXP 150 of 150	51.78227 ± 0.02196	0.9948	EXP 150 of 150	0.1824178 ± 0.0172808	0.0021	EXP 150 of 150	16.119904 ± 0.017339	0.9722	EXP 150 of 150	15.275914 ± 0.017973	0.9977	EXP 150 of 150
16D44912	6.5 %	0.0450734 ± 0.0003499	0.4732	EXP 150 of 150	58.33674 ± 0.02035	0.9965	EXP 150 of 150	0.1939637 ± 0.0175090	0.0002	EXP 150 of 150	18.187617 ± 0.016983	0.9799	EXP 150 of 150	16.572623 ± 0.018206	0.9976	EXP 150 of 150
16D44914	7.0 %	0.0601845 ± 0.0003632	0.2887	EXP 150 of 150	81.58567 ± 0.02237	0.9979	EXP 150 of 150	0.2754908 ± 0.0152667	0.0012	EXP 150 of 150	25.365485 ± 0.018117	0.9882	EXP 150 of 150	22.250833 ± 0.019390	0.9971	EXP 150 of 150
16D44915	7.6 %	0.0724690 ± 0.0004447	0.1167	EXP 150 of 150	100.03306 ± 0.02295	0.9985	EXP 150 of 150	0.3224793 ± 0.0164735	0.0006	EXP 150 of 150	30.761294 ± 0.016421	0.9935	EXP 150 of 150	26.563620 ± 0.018510	0.9974	EXP 150 of 150
16D44917	8.4 %	0.0994824 ± 0.0004704	0.0435	EXP 150 of 150	142.35296 ± 0.02662	0.9990	EXP 150 of 150	0.5264823 ± 0.0151337	0.0513	EXP 150 of 150	44.122086 ± 0.019305	0.9958	EXP 150 of 150	37.473070 ± 0.018775	0.9970	EXP 150 of 150
16D44918	9.4 %	0.1128236 ± 0.0005394	0.0009	EXP 150 of 150	161.95510 ± 0.02607	0.9993	EXP 150 of 150	0.5518484 ± 0.0161865	0.0148	EXP 150 of 150	49.008668 ± 0.017008	0.9973	EXP 150 of 150	41.136283 ± 0.019316	0.9969	EXP 150 of 150
16D44920	10.5 %	0.1398510 ± 0.0006191	0.0019	EXP 150 of 150	207.31265 ± 0.02850	0.9995	EXP 150 of 150	0.7609669 ± 0.0189821	0.0974	EXP 150 of 150	62.924857 ± 0.020196	0.9978	EXP 150 of 150	51.990372 ± 0.017616	0.9971	EXP 150 of 150
16D44921	11.7 %	0.1583135 ± 0.0006148	0.0997	EXP 150 of 150	237.07527 ± 0.02612	0.9997	EXP 150 of 150	0.8751159 ± 0.0164292	0.1293	EXP 150 of 150	72.184234 ± 0.020246	0.9983	EXP 150 of 150	58.653201 ± 0.020238	0.9963	EXP 150 of 150
16D44923	13.1 %	0.1665179 ± 0.0006003	0.1213	EXP 149 of 150	251.62915 ± 0.02818	0.9996	EXP 150 of 150	0.8722926 ± 0.0152293	0.0354	EXP 150 of 150	75.999745 ± 0.021980	0.9982	EXP 150 of 150	61.724685 ± 0.020183	0.9960	EXP 150 of 150
16D44924	14.7 %	0.1492504 ± 0.0005992	0.0576	EXP 150 of 150	215.79936 ± 0.03046	0.9994	EXP 150 of 150	0.7825964 ± 0.0187413	0.0905	EXP 150 of 150	65.070614 ± 0.019917	0.9980	EXP 150 of 150	54.899884 ± 0.022214	0.9955	EXP 150 of 150
16D44926	16.5 %	0.1427181 ± 0.0006588	0.0296	EXP 150 of 150	211.93235 ± 0.02990	0.9994	EXP 150 of 150	0.7732104 ± 0.0171614	0.1011	EXP 149 of 150	63.861499 ± 0.019484	0.9980	EXP 150 of 150	53.249604 ± 0.019772	0.9963	EXP 150 of 150
16D44927	18.5 %	0.1302555 ± 0.0005990	0.0033	EXP 150 of 150	188.49165 ± 0.02741	0.9994	EXP 150 of 150	0.7150590 ± 0.0162971	0.0639	EXP 150 of 150	61.232386 ± 0.020655	0.9975	EXP 150 of 150	51.994389 ± 0.020975	0.9962	EXP 150 of 150
16D44929	19.6 %	0.1713304 ± 0.0006294	0.0765	EXP 150 of 150	255.97154 ± 0.03122	0.9996	EXP 150 of 150	1.0184194 ± 0.0193862	0.0731	EXP 150 of 150	85.412204 ± 0.021814	0.9986	EXP 150 of 150	73.549270 ± 0.022684	0.9941	EXP 150 of 150
16D44930	20.8 %	0.1664652 ± 0.0006785	0.0069	EXP 150 of 150	237.75535 ± 0.02635	0.9997	EXP 150 of 150	0.8801182 ± 0.0181121	0.0230	EXP 150 of 150	76.607249 ± 0.021173	0.9983	EXP 150 of 150	65.974355 ± 0.018424	0.9973	EXP 150 of 150
16D44932	22.0 %	0.0918737 ± 0.0004889	0.2165	EXP 150 of 150	136.37088 ± 0.02488	0.9991	EXP 150 of 150	0.5039079 ± 0.0167390	0.0554	EXP 150 of 150	41.977066 ± 0.017019	0.9963	EXP 150 of 150	35.375330 ± 0.020805	0.9974	EXP 150 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
16D44890	1.8 %	Dan Miggins	16-OSU-10	0.00	0.00	14.21	Oregon\McCloughry (15-17)	16D44886	01
16D44891	2.0 %	Dan Miggins	16-OSU-10	0.00	0.00	14.21	Oregon\McCloughry (15-17)	16D44886	01
16D44893	2.4 %	Dan Miggins	16-OSU-10	0.00	0.00	14.21	Oregon\McCloughry (15-17)	16D44886	01
16D44894	2.8 %	Dan Miggins	16-OSU-10	0.00	0.00	14.21	Oregon\McCloughry (15-17)	16D44886	01
16D44896	3.0 %	Dan Miggins	16-OSU-10	0.00	0.00	14.21	Oregon\McCloughry (15-17)	16D44886	01
16D44897	3.3 %	Dan Miggins	16-OSU-10	0.00	0.00	14.21	Oregon\McCloughry (15-17)	16D44886	01
16D44899	3.6 %	Dan Miggins	16-OSU-10	0.00	0.00	14.21	Oregon\McCloughry (15-17)	16D44886	01
16D44900	3.9 %	Dan Miggins	16-OSU-10	0.00	0.00	14.21	Oregon\McCloughry (15-17)	16D44886	01
16D44902	4.3 %	Dan Miggins	16-OSU-10	0.00	0.00	14.21	Oregon\McCloughry (15-17)	16D44886	01
16D44903	4.6 %	Dan Miggins	16-OSU-10	0.00	0.00	14.21	Oregon\McCloughry (15-17)	16D44886	01
16D44905	4.9 %	Dan Miggins	16-OSU-10	0.00	0.00	14.21	Oregon\McCloughry (15-17)	16D44886	01
16D44906	5.2 %	Dan Miggins	16-OSU-10	0.00	0.00	14.21	Oregon\McCloughry (15-17)	16D44886	01
16D44908	5.5 %	Dan Miggins	16-OSU-10	0.00	0.00	14.21	Oregon\McCloughry (15-17)	16D44886	01
16D44909	5.8 %	Dan Miggins	16-OSU-10	0.00	0.00	14.21	Oregon\McCloughry (15-17)	16D44886	01
16D44911	6.1 %	Dan Miggins	16-OSU-10	0.00	0.00	14.21	Oregon\McCloughry (15-17)	16D44886	01
16D44912	6.5 %	Dan Miggins	16-OSU-10	0.00	0.00	14.21	Oregon\McCloughry (15-17)	16D44886	01
16D44914	7.0 %	Dan Miggins	16-OSU-10	0.00	0.00	14.21	Oregon\McCloughry (15-17)	16D44886	01
16D44915	7.6 %	Dan Miggins	16-OSU-10	0.00	0.00	14.21	Oregon\McCloughry (15-17)	16D44886	01
16D44917	8.4 %	Dan Miggins	16-OSU-10	0.00	0.00	14.21	Oregon\McCloughry (15-17)	16D44886	01
16D44918	9.4 %	Dan Miggins	16-OSU-10	0.00	0.00	14.21	Oregon\McCloughry (15-17)	16D44886	01
16D44920	10.5 %	Dan Miggins	16-OSU-10	0.00	0.00	14.21	Oregon\McCloughry (15-17)	16D44886	01
16D44921	11.7 %	Dan Miggins	16-OSU-10	0.00	0.00	14.21	Oregon\McCloughry (15-17)	16D44886	01
16D44923	13.1 %	Dan Miggins	16-OSU-10	0.00	0.00	14.21	Oregon\McCloughry (15-17)	16D44886	01
16D44924	14.7 %	Dan Miggins	16-OSU-10	0.00	0.00	14.21	Oregon\McCloughry (15-17)	16D44886	01
16D44926	16.5 %	Dan Miggins	16-OSU-10	0.00	0.00	14.21	Oregon\McCloughry (15-17)	16D44886	01
16D44927	18.5 %	Dan Miggins	16-OSU-10	0.00	0.00	14.21	Oregon\McCloughry (15-17)	16D44886	01
16D44929	19.6 %	Dan Miggins	16-OSU-10	0.00	0.00	14.21	Oregon\McCloughry (15-17)	16D44886	01
16D44930	20.8 %	Dan Miggins	16-OSU-10	0.00	0.00	14.21	Oregon\McCloughry (15-17)	16D44886	01
16D44932	22.0 %	Dan Miggins	16-OSU-10	0.00	0.00	14.21	Oregon\McCloughry (15-17)	16D44886	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
16D44890	1.8 %		154-DFWJ-15	Plagioclase	Dufur	FCT-NM (10C8-16)	28.201	0.082	Kuiper et al (2008)	5.77135	0.133	0.00272335	0.133	305.17	0.148	0.99206795	0.068	1	4.8E-14	15	DEC	2016	2	30	1
16D44891	2.0 %		154-DFWJ-15	Plagioclase	Dufur	FCT-NM (10C8-16)	28.201	0.082	Kuiper et al (2008)	5.77135	0.133	0.00272335	0.133	305.17	0.148	0.99206795	0.068	1	4.8E-14	15	DEC	2016	2	38	1
16D44893	2.4 %		154-DFWJ-15	Plagioclase	Dufur	FCT-NM (10C8-16)	28.201	0.082	Kuiper et al (2008)	5.77135	0.133	0.00272335	0.133	305.17	0.148	0.99206795	0.068	1	4.8E-14	15	DEC	2016	2	55	1
16D44894	2.8 %		154-DFWJ-15	Plagioclase	Dufur	FCT-NM (10C8-16)	28.201	0.082	Kuiper et al (2008)	5.77135	0.133	0.00272335	0.133	305.17	0.148	0.99206795	0.068	1	4.8E-14	15	DEC	2016	3	4	1
16D44896	3.0 %		154-DFWJ-15	Plagioclase	Dufur	FCT-NM (10C8-16)	28.201	0.082	Kuiper et al (2008)	5.77135	0.133	0.00272335	0.133	305.17	0.148	0.99206795	0.068	1	4.8E-14	15	DEC	2016	3	21	1
16D44897	3.3 %		154-DFWJ-15	Plagioclase	Dufur	FCT-NM (10C8-16)	28.201	0.082	Kuiper et al (2008)	5.77135	0.133	0.00272335	0.133	305.17	0.148	0.99206795	0.068	1	4.8E-14	15	DEC	2016	3	29	1
16D44899	3.6 %		154-DFWJ-15	Plagioclase	Dufur	FCT-NM (10C8-16)	28.201	0.082	Kuiper et al (2008)	5.77135	0.133	0.00272335	0.133	305.17	0.148	0.99206795	0.068	1	4.8E-14	15	DEC	2016	3	46	1
16D44900	3.9 %		154-DFWJ-15	Plagioclase	Dufur	FCT-NM (10C8-16)	28.201	0.082	Kuiper et al (2008)	5.77135	0.133	0.00272335	0.133	305.17	0.148	0.99206795	0.068	1	4.8E-14	15	DEC	2016	3	55	1
16D44902	4.3 %		154-DFWJ-15	Plagioclase	Dufur	FCT-NM (10C8-16)	28.201	0.082	Kuiper et al (2008)	5.77135	0.133	0.00272335	0.133	305.17	0.148	0.99206795	0.068	1	4.8E-14	15	DEC	2016	4	12	1
16D44903	4.6 %		154-DFWJ-15	Plagioclase	Dufur	FCT-NM (10C8-16)	28.201	0.082	Kuiper et al (2008)	5.77135	0.133	0.00272335	0.133	305.17	0.148	0.99206795	0.068	1	4.8E-14	15	DEC	2016	4	20	1
16D44905	4.9 %		154-DFWJ-15	Plagioclase	Dufur	FCT-NM (10C8-16)	28.201	0.082	Kuiper et al (2008)	5.77135	0.133	0.00272335	0.133	305.17	0.148	0.99206795	0.068	1	4.8E-14	15	DEC	2016	4	37	1
16D44906	5.2 %		154-DFWJ-15	Plagioclase	Dufur	FCT-NM (10C8-16)	28.201	0.082	Kuiper et al (2008)	5.77135	0.133	0.00272335	0.133	305.17	0.148	0.99206795	0.068	1	4.8E-14	15	DEC	2016	4	46	1
16D44908	5.5 %		154-DFWJ-15	Plagioclase	Dufur	FCT-NM (10C8-16)	28.201	0.082	Kuiper et al (2008)	5.77135	0.133	0.00272335	0.133	305.17	0.148	0.99206795	0.068	1	4.8E-14	15	DEC	2016	5	3	1
16D44909	5.8 %		154-DFWJ-15	Plagioclase	Dufur	FCT-NM (10C8-16)	28.201	0.082	Kuiper et al (2008)	5.77135	0.133	0.00272335	0.133	305.17	0.148	0.99206795	0.068	1	4.8E-14	15	DEC	2016	5	12	1
16D44911	6.1 %		154-DFWJ-15	Plagioclase	Dufur	FCT-NM (10C8-16)	28.201	0.082	Kuiper et al (2008)	5.77135	0.133	0.00272335	0.133	305.17	0.148	0.99206795	0.068	1	4.8E-14	15	DEC	2016	5	29	1
16D44912	6.5 %		154-DFWJ-15	Plagioclase	Dufur	FCT-NM (10C8-16)	28.201	0.082	Kuiper et al (2008)	5.77135	0.133	0.00272335	0.133	305.17	0.148	0.99206795	0.068	1	4.8E-14	15	DEC	2016	5	37	1
16D44914	7.0 %		154-DFWJ-15	Plagioclase	Dufur	FCT-NM (10C8-16)	28.201	0.082	Kuiper et al (2008)	5.77135	0.133	0.00272335	0.133	305.17	0.148	0.99206795	0.068	1	4.8E-14	15	DEC	2016	5	54	1
16D44915	7.6 %		154-DFWJ-15	Plagioclase	Dufur	FCT-NM (10C8-16)	28.201	0.082	Kuiper et al (2008)	5.77135	0.133	0.00272335	0.133	305.17	0.148	0.99206795	0.068	1	4.8E-14	15	DEC	2016	6	3	1
16D44917	8.4 %		154-DFWJ-15	Plagioclase	Dufur	FCT-NM (10C8-16)	28.201	0.082	Kuiper et al (2008)	5.77135	0.133	0.00272335	0.133	305.17	0.148	0.99206795	0.068	1	4.8E-14	15	DEC	2016	6	20	1
16D44918	9.4 %		154-DFWJ-15	Plagioclase	Dufur	FCT-NM (10C8-16)	28.201	0.082	Kuiper et al (2008)	5.77135	0.133	0.00272335	0.133	305.17	0.148	0.99206795	0.068	1	4.8E-14	15	DEC	2016	6	28	1
16D44920	10.5 %		154-DFWJ-15	Plagioclase	Dufur	FCT-NM (10C8-16)	28.201	0.082	Kuiper et al (2008)	5.77135	0.133	0.00272335	0.133	305.17	0.148	0.99206795	0.068	1	4.8E-14	15	DEC	2016	6	45	1
16D44921	11.7 %		154-DFWJ-15	Plagioclase	Dufur	FCT-NM (10C8-16)	28.201	0.082	Kuiper et al (2008)	5.77135	0.133	0.00272335	0.133	305.17	0.148	0.99206795	0.068	1	4.8E-14	15	DEC	2016	6	54	1
16D44923	13.1 %		154-DFWJ-15	Plagioclase	Dufur	FCT-NM (10C8-16)	28.201	0.082	Kuiper et al (2008)	5.77135	0.133	0.00272335	0.133	305.17	0.148	0.99206795	0.068	1	4.8E-14	15	DEC	2016	7	11	1
16D44924	14.7 %		154-DFWJ-15	Plagioclase	Dufur	FCT-NM (10C8-16)	28.201	0.082	Kuiper et al (2008)	5.77135	0.133	0.00272335	0.133	305.17	0.148	0.99206795	0.068	1	4.8E-14	15	DEC	2016	7	19	1
16D44926	16.5 %		154-DFWJ-15	Plagioclase	Dufur	FCT-NM (10C8-16)	28.201	0.082	Kuiper et al (2008)	5.77135	0.133	0.00272335	0.133	305.17	0.148	0.99206795	0.068	1	4.8E-14	15	DEC	2016	7	36	1
16D44927	18.5 %		154-DFWJ-15	Plagioclase	Dufur	FCT-NM (10C8-16)	28.201	0.082	Kuiper et al (2008)	5.77135	0.133	0.00272335	0.133	305.17	0.148	0.99206795	0.068	1	4.8E-14	15	DEC	2016	7	45	1
16D44929	19.6 %		154-DFWJ-15	Plagioclase	Dufur	FCT-NM (10C8-16)	28.201	0.082	Kuiper et al (2008)	5.77135	0.133	0.00272335	0.133	305.17	0.148	0.99206795	0.068	1	4.8E-14	15	DEC	2016	8	2	1
16D44930	20.8 %		154-DFWJ-15	Plagioclase	Dufur	FCT-NM (10C8-16)	28.201	0.082	Kuiper et al (2008)	5.77135	0.133	0.00272335	0.133	305.17	0.148	0.99206795	0.068	1	4.8E-14	15	DEC	2016	8	11	1
16D44932	22.0 %		154-DFWJ-15	Plagioclase	Dufur	FCT-NM (10C8-16)	28.201	0.082	Kuiper et al (2008)	5.77135	0.133	0.00272335	0.133	305.17	0.148	0.99206795	0.068	1	4.8E-14	15	DEC	2016	8	28	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
16D44890	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
16D44891	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
16D44893	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
16D44894	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
16D44896	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
16D44897	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
16D44899	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
16D44900	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
16D44902	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
16D44903	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
16D44905	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
16D44906	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
16D44908	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
16D44909	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
16D44911	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
16D44912	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
16D44914	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
16D44915	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
16D44917	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
16D44918	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
16D44920	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
16D44921	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
16D44923	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
16D44924	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
16D44926	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
16D44927	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
16D44929	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
16D44930	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
16D44932	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

16D44886.AGE >>> 154-DFWJ-15 >>> OREGON | MCCLAUGHRY (15-17) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

3.68 ± 0.02

TOTAL FUSION

3.73 ± 0.02

NORMAL ISOCHRON

3.69 ± 0.02

INVERSE ISOCHRON

3.69 ± 0.02

MSWD (PROBABILITY)

1.15 (28%)

Sample Info

Plagioclase

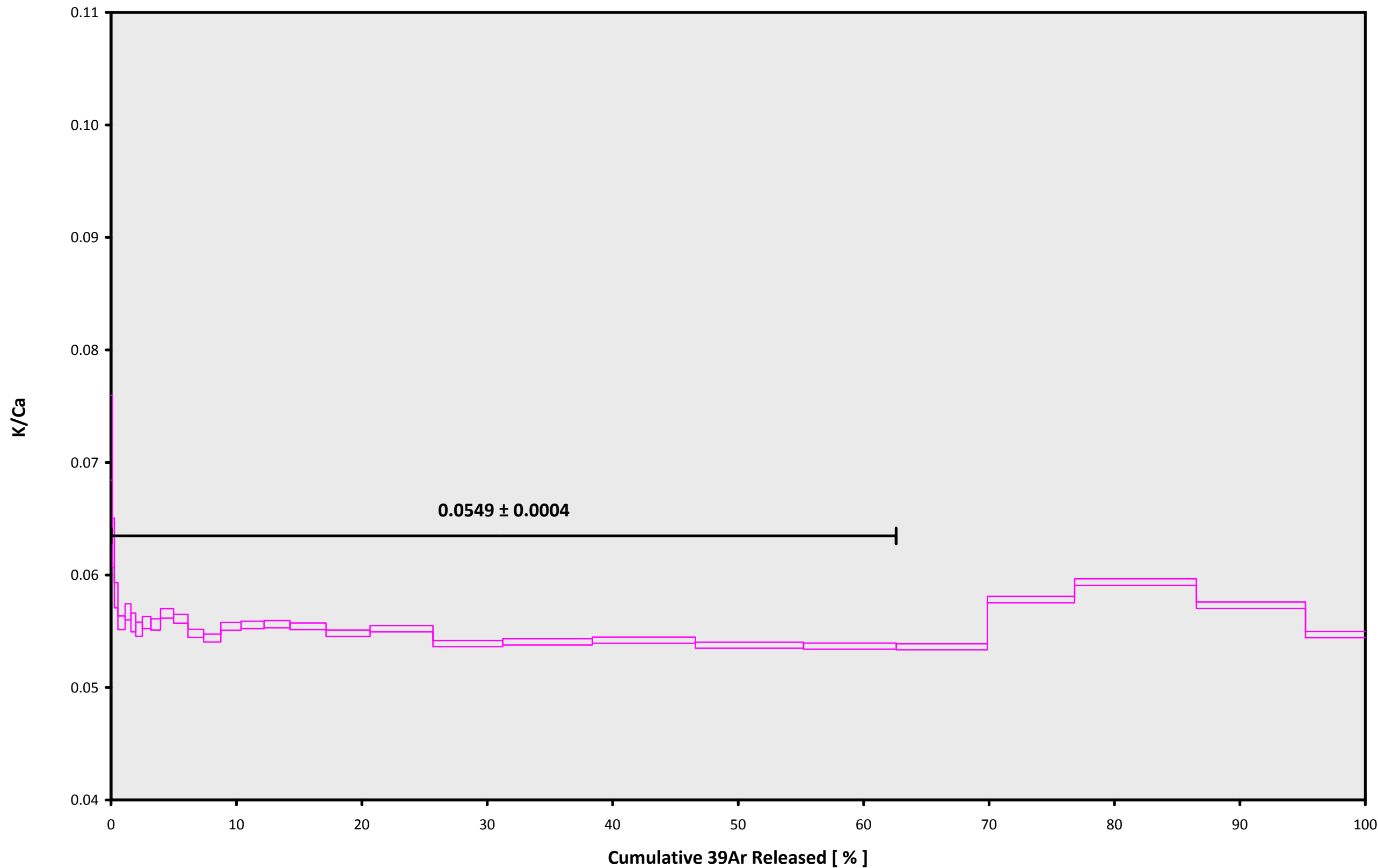
Dufur

Dan Miggins

IRR = 16-OSU-10 (10C8-16)

J = $0.00272335 \pm 0.00000362$

16D44886.AGE >>> 154-DFWJ-15 >>> OREGON | MCCLAUGHRY (15-17) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

3.68 \pm 0.02

TOTAL FUSION

3.73 \pm 0.02

NORMAL ISOCHRON

3.69 \pm 0.02

INVERSE ISOCHRON

3.69 \pm 0.02

Sample Info

Plagioclase

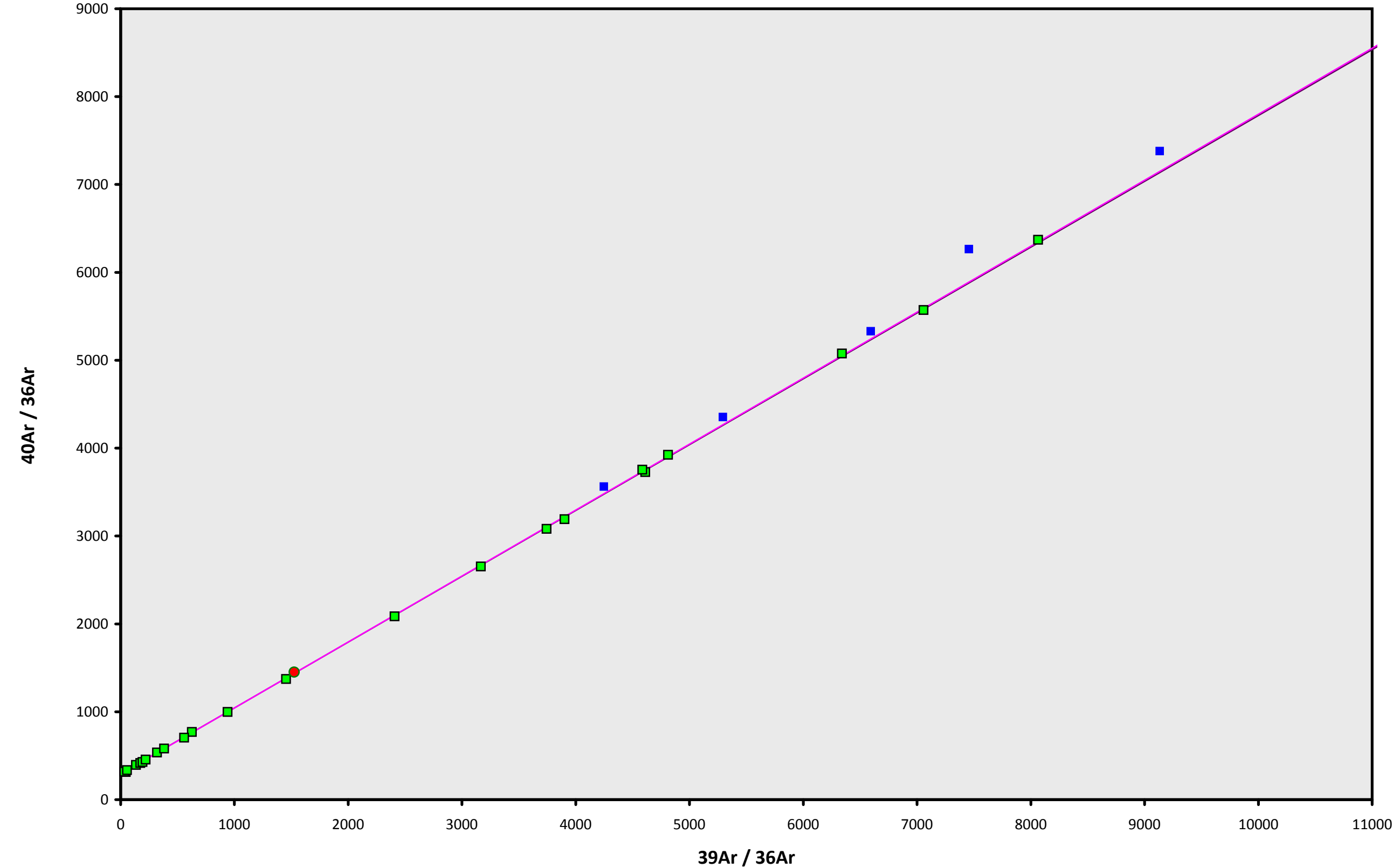
Dufur

Dan Miggins

IRR = 16-OSU-10 (10C8-16)

J = 0.00272335 \pm 0.00000362

16D44886.AGE >>> 154-DFWJ-15 >>> OREGON | MCCLAUGHRY (15-17) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

3.68 ± 0.02

TOTAL FUSION

3.73 ± 0.02

NORMAL ISOCHRON

3.69 ± 0.02

INVERSE ISOCHRON

3.69 ± 0.02

MSWD (PROBABILITY)

0.95 (52%)

40AR/36AR INTERCEPT

291.9 ± 2.4

Sample Info

Plagioclase

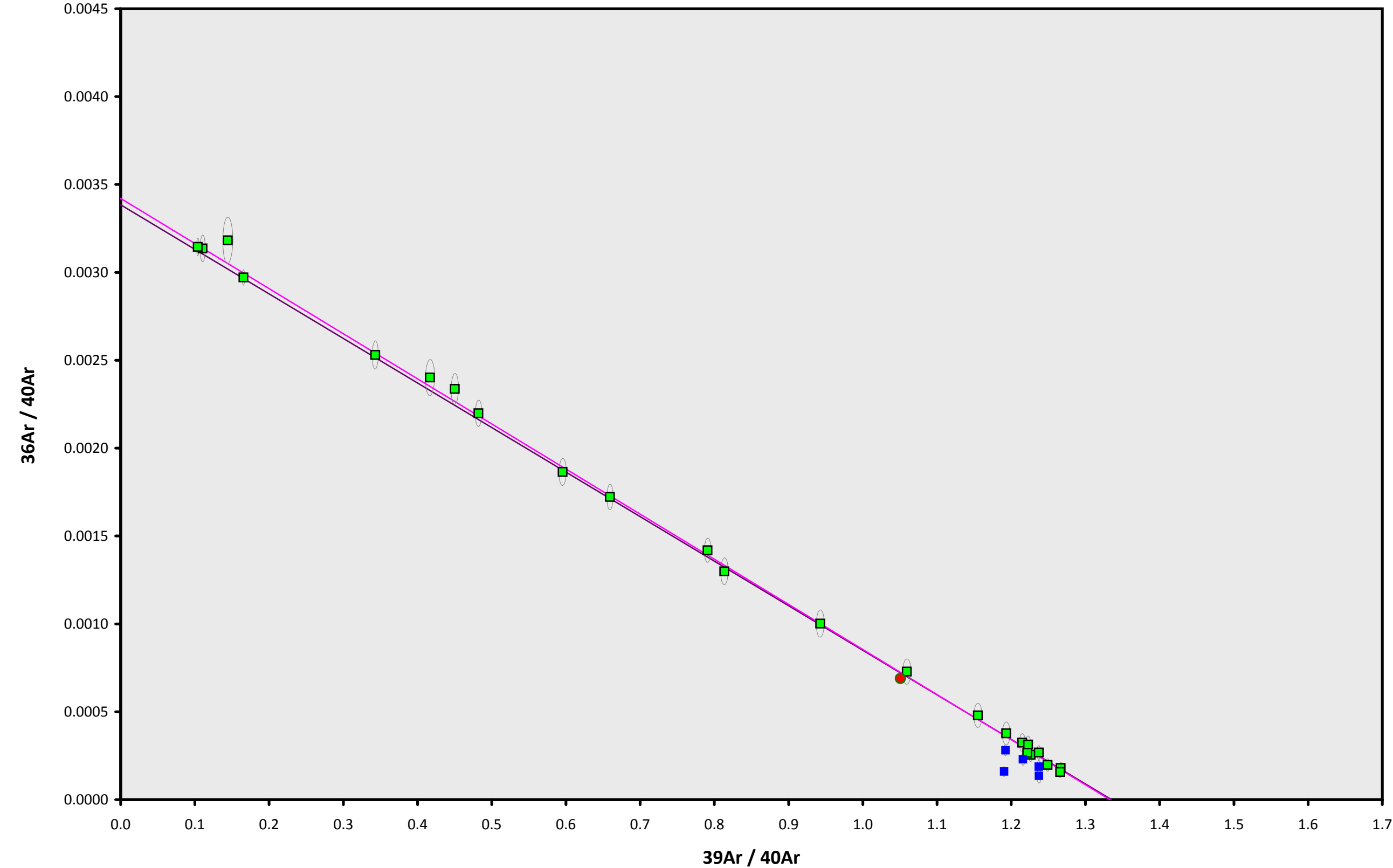
Dufur

Dan Miggins

IRR = 16-OSU-10 (10C8-16)

J = $0.00272335 \pm 0.00000362$

16D44886.AGE >>> 154-DFWJ-15 >>> OREGON | MCCLAUGHRY (15-17) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

3.68 ± 0.02

TOTAL FUSION

3.73 ± 0.02

NORMAL ISOCHRON

3.69 ± 0.02

INVERSE ISOCHRON

3.69 ± 0.02

MSWD (PROBABILITY)

0.89 (60%)

SPREADING FACTOR

87.2%

40AR/36AR INTERCEPT

292.3 ± 2.4

Sample Info

Plagioclase

Dufur

Dan Miggins

IRR = 16-OSU-10 (10C8-16)

J = $0.00272335 \pm 0.00000362$