

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
16D31005	2.0 %	0.0130529	4.042	0.0779	91.605	0.0130044	196.368	0.020373	113.636	4.04948	2.587	9.76348 ± 28.93119	25.62 ± 75.38	4.90	0.02	0.1122 ± 0.3281
16D31006	2.5 %	0.0146094	3.572	0.0139	547.172	0.0433342	59.479	0.010858	208.449	4.52854	2.311	19.56362 ± 88.41923	52.45 ± 240.53	4.69	0.01	0.3366 ± 3.9420
16D31008	3.2 %	0.0185849	2.894	0.0860	85.676	0.0451233	54.634	0.007679	293.502	5.84841	1.793	45.20747 #####	115.68 ± 664.17	5.98	0.01	0.0387 ± 0.2351
16D31009	3.9 %	0.0295740	1.874	0.0914	77.168	0.0597871	42.151	0.004786	481.542	8.72864	1.198	3.64483 ± 87.37661	9.66 ± 232.13	0.20	0.01	0.0228 ± 0.2198
16D31011	4.6 %	0.0087080	5.821	0.0264	275.922	0.0626878	40.600	0.014422	152.160	2.89518	3.625	22.49264 ± 73.09192	58.48 ± 187.00	11.19	0.02	0.2349 ± 1.4806
16D31012	5.3 %	0.0050624	10.009	0.0824	95.092	0.0467487	53.306	0.012324	179.855	1.61140	6.490	9.93723 ± 46.65675	26.07 ± 121.53	7.57	0.01	0.0640 ± 0.2613
16D31014	6.0 %	0.0063809	7.843	0.7845	9.612	0.0477060	52.836	0.065329	33.830	1.95514	5.353	2.02296 ± 5.76277	5.34 ± 15.18	6.70	0.08	0.0355 ± 0.0252
16D31015	6.7 %	0.0099723	5.158	1.8996	3.819	0.0053096	466.786	0.130423	17.157	3.25717	3.214	3.55733 ± 3.11395	9.38 ± 8.19	14.10	0.16	0.0292 ± 0.0104
16D31017	7.3 %	0.0108615	4.830	2.3284	3.035	0.0009388	2727.994	0.184939	11.668	3.75503	2.792	3.97013 ± 2.24579	10.46 ± 5.90	19.39	0.22	0.0339 ± 0.0082
16D31018	8.3 %	0.0751745	0.948	6.8793	1.117	0.0456228	56.136	0.454002	5.009	23.58761	0.445	4.25890 ± 1.13314	11.22 ± 2.98	8.11	0.55	0.0281 ± 0.0029
16D31020	9.3 %	0.0481725	1.334	28.5406	0.353	0.1092863	22.838	1.835373	1.245	17.72139	0.592	3.15355 ± 0.25199	8.31 ± 0.66	32.32	2.20	0.0274 ± 0.0007
16D31021	10.5 %	0.0525930	1.207	26.6696	0.381	0.1287327	21.267	1.742939	1.313	18.61490	0.565	2.99604 ± 0.26196	7.90 ± 0.69	27.76	2.09	0.0278 ± 0.0008
16D31023	11.0 %	0.0969260	0.757	76.8315	0.269	0.2588391	9.669	4.949551	0.481	37.17586	0.284	2.97399 ± 0.10291	7.84 ± 0.27	39.18	5.94	0.0274 ± 0.0003
16D31024	11.5 %	0.0273548	2.092	22.4343	0.422	0.1154546	23.516	1.425676	1.598	10.69581	0.981	3.10137 ± 0.29970	8.18 ± 0.79	40.90	1.71	0.0270 ± 0.0009
16D31026	12.5 %	0.1519612	0.604	150.3203	0.252	0.4635159	5.605	9.796085	0.248	62.42284	0.169	3.02410 ± 0.06235	7.97 ± 0.16	46.97	11.76	0.0277 ± 0.0002
16D31027	13.5 %	0.0942628	0.802	81.2480	0.274	0.2237448	13.683	5.257332	0.443	36.98571	0.285	2.98089 ± 0.09894	7.86 ± 0.26	41.93	6.31	0.0275 ± 0.0003
16D31029	14.5 %	0.1756330	0.559	145.3602	0.256	0.3800279	7.668	9.592908	0.260	70.84309	0.150	3.19663 ± 0.06760	8.43 ± 0.18	42.84	11.52	0.0281 ± 0.0002
16D31030	15.5 %	0.1230920	0.647	156.2986	0.253	0.3693375	7.565	10.062534	0.239	54.42899	0.194	3.04528 ± 0.05438	8.03 ± 0.14	55.71	12.08	0.0274 ± 0.0002
16D31032	16.6 %	0.0750129	0.907	73.4098	0.268	0.1085493	24.087	4.679623	0.511	33.98420	0.310	3.79647 ± 0.10585	10.00 ± 0.28	51.72	5.62	0.0271 ± 0.0003
16D31033	17.7 %	0.0252758	2.165	28.3106	0.364	0.0437545	60.112	1.764338	1.331	11.07145	0.947	3.33690 ± 0.23864	8.80 ± 0.63	52.60	2.12	0.0265 ± 0.0007
16D31035	18.7 %	0.2089683	0.519	270.3868	0.248	0.6948658	3.739	17.259989	0.154	93.06339	0.113	3.07631 ± 0.04133	8.11 ± 0.11	56.45	20.72	0.0272 ± 0.0002
16D31036	19.7 %	0.0598630	1.039	59.7732	0.274	0.1674434	14.650	3.880489	0.588	24.36740	0.431	2.96067 ± 0.11600	7.81 ± 0.31	46.66	4.66	0.0276 ± 0.0004
16D31038	20.8 %	0.0257100	2.168	25.8947	0.370	0.1326393	19.206	1.710258	1.392	10.67934	0.982	3.02207 ± 0.24610	7.97 ± 0.65	47.90	2.05	0.0281 ± 0.0008
16D31039	22.0 %	0.0322136	1.758	34.7248	0.332	0.1823986	13.880	2.330278	0.975	13.51434	0.775	2.91409 ± 0.18076	7.68 ± 0.48	49.74	2.80	0.0286 ± 0.0006
16D31041	23.8 %	0.0310657	1.856	30.4032	0.375	0.1188891	23.507	1.973279	1.207	12.83723	0.818	3.09530 ± 0.21872	8.16 ± 0.58	47.08	2.37	0.0276 ± 0.0007
16D31042	24.9 %	0.0277331	2.064	28.0632	0.369	0.0571727	46.620	1.810122	1.223	12.06455	0.869	3.38975 ± 0.23771	8.94 ± 0.63	50.33	2.17	0.0274 ± 0.0007
16D31044	26.0 %	0.0456758	1.351	37.4174	0.346	0.0604750	47.130	2.340888	1.039	18.18572	0.577	3.29248 ± 0.19468	8.68 ± 0.51	41.92	2.81	0.0266 ± 0.0006
Σ		1.4934940	0.229	1288.0020	0.085	3.1382695	4.347	83.295081	0.145	598.87282	0.091					

Information on Analysis and Constants Used in Calculations	
Project = <b>MCCLAUGHRY (15-17)</b>	Age Equations = <b>Min et al. (2000)</b>
Sample = <b>29-DWJ-14</b>	Negative Intensities = <b>Allowed</b>
Material = <b>Hornblende</b>	Collector Calibrations = <b>36Ar</b>
Location = <b>Dufur</b>	Decay 40K = <b>5.530 ± 0.048 E-10 1/a</b>
Region = <b>SW-Colombia</b>	Decay 39Ar = <b>2.940 ± 0.016 E-07 1/h</b>
Analyst = <b>Anthony Koppers</b>	Decay 37Ar = <b>8.230 ± 0.012 E-04 1/h</b>
Irradiation = <b>16-OSU-07 (7A43-16)</b>	Decay 36Cl = <b>2.257 ± 0.015 E-06 1/a</b>
Position = <b>X: 0   Y: 0   Z/H: 57.66 mm</b>	Decay 40K(EC,β <sup>+</sup> ) = <b>0.580 ± 0.009 E-10 1/a</b>
FCT-NM Age = <b>28.201 ± 0.023 Ma</b>	Decay 40K(β <sup>-</sup> ) = <b>4.950 ± 0.043 E-10 1/a</b>
FCT-NM Reference = <b>Kuiper et al (2008)</b>	Atmospheric 40/36(a) = <b>295.50</b>
FCT-NM 40Ar/39Ar Ratio = <b>10.75549 ± 0.00710</b>	Atmospheric 38/36(a) = <b>0.1869</b>
FCT-NM J-value = <b>0.00146134 ± 0.00000096</b>	Production 39/37(ca) = <b>0.0006756 ± 0.0000089</b>
Air Shot 40Ar/36Ar = <b>303.3630 ± 0.4550</b>	Production 38/37(ca) = <b>0.0000718 ± 0.0000092</b>
Air Shot MDF = <b>0.99351176 ± 0.00068391 (LIN)</b>	Production 36/37(ca) = <b>0.0002663 ± 0.0000004</b>
Experiment Type = <b>Incremental Heating</b>	Production 40/39(k) = <b>0.003823 ± 0.000102</b>
Extraction Method = <b>Undefined</b>	Production 38/39(k) = <b>0.012031 ± 0.000019</b>
Heating = <b>77 sec</b>	Production 36/38(cl) = <b>262.80 ± 1.71</b>
Isolation = <b>3.00 min</b>	Scaling Ratio K/Ca = <b>0.430</b>
Instrument = <b>ARGUS-VI-D</b>	Abundance Ratio 40K/K = <b>1.1700 ± 0.0100 E-04</b>
Preferred Age = <b>Undefined</b>	Atomic Weight K = <b>39.0983 ± 0.0001 g</b>
Age Classification = <b>Undefined</b>	
IGSN = <b>4.2</b>	
Rock Class = <b>Undefined</b>	
Lithology = <b>Undefined</b>	
Lat-Lon = <b>Undefined - Undefined</b>	

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (%,n)	K/Ca ± 2σ
Age Plateau		3.05904 ± 0.03781	8.07 ± 0.10	2.54	86.22	0.0275 ± 0.0002
Error Mean		± 1.24%	± 1.24%	0%	13	
			Full External Error ± 0.21	1.82	2σ Confidence Limit	
			Analytical Error ± 0.10	1.5951	Error Magnification	
Total Fusion Age		3.13786 ± 0.02941	8.27 ± 0.08		27	0.0275 ± 0.0001
		± 0.94%	± 0.94%			
			Full External Error ± 0.20			
			Analytical Error ± 0.08			
Normal Isochron	297.32 ± 12.05	3.03739 ± 0.13438	8.01 ± 0.35	2.71	86.22	
Error Chron	± 4.05%	± 4.42%	± 4.42%	0%	13	
			Full External Error ± 0.40	1.85	2σ Confidence Limit	
			Analytical Error ± 0.35	1.6472	Error Magnification	
				14	Number of Iterations	
				0.0000240887	Convergence	
Inverse Isochron	298.00 ± 12.10	3.03292 ± 0.13396	8.00 ± 0.35	2.73	86.22	
Error Chron	± 4.06%	± 4.42%	± 4.41%	0%	13	
			Full External Error ± 0.40	1.85	2σ Confidence Limit	
			Analytical Error ± 0.35	1.6535	Error Magnification	
				3	Number of Iterations	
				0.0004342578	Convergence	
				28%	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
16D31005	2.0 %	0.0130322	0.0779	0.0000000	0.020320	0.19839	25.62 ± 75.38	4.90	0.02	0.1122 ± 0.3281
16D31006	2.5 %	0.0146057	0.0139	0.0000000	0.010867	0.21261	52.45 ± 240.53	4.69	0.01	0.3366 ± 3.9420
16D31008	3.2 %	0.0186078	0.0860	0.0000000	0.007737	0.34977	115.68 ± 664.17	5.98	0.01	0.0387 ± 0.2351
16D31009	3.9 %	0.0295983	0.0914	0.0000000	0.004848	0.01767	9.66 ± 232.13	0.20	0.01	0.0228 ± 0.2198
16D31011	4.6 %	0.0087010	0.0264	0.0000000	0.014404	0.32398	58.48 ± 187.00	11.19	0.02	0.2349 ± 1.4806
16D31012	5.3 %	0.0050404	0.0824	0.0000000	0.012268	0.12191	26.07 ± 121.53	7.57	0.01	0.0640 ± 0.2613
16D31014	6.0 %	0.0061719	0.7845	0.0000000	0.064799	0.13108	5.34 ± 15.18	6.70	0.08	0.0355 ± 0.0252
16D31015	6.7 %	0.0094663	1.8996	0.0018502	0.129139	0.45939	9.38 ± 8.19	14.10	0.16	0.0292 ± 0.0104
16D31017	7.3 %	0.0102414	2.3284	0.0000000	0.183366	0.72799	10.46 ± 5.90	19.39	0.22	0.0339 ± 0.0082
16D31018	8.3 %	0.0733406	6.8793	0.0260154	0.449355	1.91376	11.22 ± 2.98	8.11	0.55	0.0281 ± 0.0029
16D31020	9.3 %	0.0405662	28.5406	0.0778058	1.816091	5.72713	8.31 ± 0.66	32.32	2.20	0.0274 ± 0.0007
16D31021	10.5 %	0.0454835	26.6696	0.0975644	1.724921	5.16793	7.90 ± 0.69	27.76	2.09	0.0278 ± 0.0008
16D31023	11.0 %	0.0764522	76.8315	0.1801101	4.897643	14.56553	7.84 ± 0.27	39.18	5.94	0.0274 ± 0.0003
16D31024	11.5 %	0.0213735	22.4343	0.0928792	1.410519	4.37455	8.18 ± 0.79	40.90	1.71	0.0270 ± 0.0009
16D31026	12.5 %	0.1119070	150.3203	0.3151726	9.694529	29.31725	7.97 ± 0.16	46.97	11.76	0.0277 ± 0.0002
16D31027	13.5 %	0.0726157	81.2480	0.1417487	5.202441	15.50788	7.86 ± 0.26	41.93	6.31	0.0275 ± 0.0003
16D31029	14.5 %	0.1369062	145.3602	0.2297724	9.494703	30.35101	8.43 ± 0.18	42.84	11.52	0.0281 ± 0.0002
16D31030	15.5 %	0.0814528	156.2986	0.2230998	9.956939	30.32163	8.03 ± 0.14	55.71	12.08	0.0274 ± 0.0002
16D31032	16.6 %	0.0554611	73.4098	0.0372090	4.630028	17.57774	10.00 ± 0.28	51.72	5.62	0.0271 ± 0.0003
16D31033	17.7 %	0.0177366	28.3106	0.0000000	1.745211	5.82360	8.80 ± 0.63	52.60	2.12	0.0265 ± 0.0007
16D31035	18.7 %	0.1369307	270.3868	0.4444025	17.077316	52.53508	8.11 ± 0.11	56.45	20.72	0.0272 ± 0.0002
16D31036	19.7 %	0.0439372	59.7732	0.1087395	3.840107	11.36927	7.81 ± 0.31	46.66	4.66	0.0276 ± 0.0004
16D31038	20.8 %	0.0188061	25.8947	0.1068995	1.692764	5.11566	7.97 ± 0.65	47.90	2.05	0.0281 ± 0.0008
16D31039	22.0 %	0.0229552	34.7248	0.1478617	2.306818	6.72227	7.68 ± 0.48	49.74	2.80	0.0286 ± 0.0006
16D31041	23.8 %	0.0229626	30.4032	0.0889210	1.952739	6.04432	8.16 ± 0.58	47.08	2.37	0.0276 ± 0.0007
16D31042	24.9 %	0.0202576	28.0632	0.0298222	1.791163	6.07159	8.94 ± 0.63	50.33	2.17	0.0274 ± 0.0007
16D31044	26.0 %	0.0357116	37.4174	0.0000000	2.315608	7.62409	8.68 ± 0.51	41.92	2.81	0.0266 ± 0.0006

Σ 1.1503214 1288.0020 2.3498741 82.424907 258.63774

Information on Analysis	Results	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (%,n)	K/Ca ± 2σ
Project = MCCLAUGHRY (15-17)	Age Plateau	3.05904 ± 0.03781	8.07 ± 0.10	2.54	86.22	0.0275 ± 0.0002
Sample = 29-DWJ-14	Error Mean	± 1.24%	± 1.24%	0%	13	
Material = Hornblende			Full External Error ± 0.21	1.82	2σ Confidence Limit	
Location = Dufur			Analytical Error ± 0.10	1.5951	Error Magnification	
Region = SW-Colombia						
Analyst = Anthony Koppers	Total Fusion Age	3.13786 ± 0.02941 ± 0.94%	8.27 ± 0.08 ± 0.94%		27	0.0275 ± 0.0001
Irradiation = 16-OSU-07 (7A43-16)			Full External Error ± 0.20			
J = 0.00146134 ± 0.00000096			Analytical Error ± 0.08			
FCT-NM = 28.201 ± 0.023 Ma						

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
16D31005	2.0 %		1.56 ± 3.56	310.72 ± 29.87	0.0299
16D31006	2.5 %		0.74 ± 3.10	310.06 ± 26.40	0.0144
16D31008	3.2 %		0.42 ± 2.42	314.30 ± 21.39	0.0084
16D31009	3.9 %		0.16 ± 1.56	294.90 ± 13.12	0.0033
16D31011	4.6 %		1.66 ± 5.05	332.73 ± 45.68	0.0325
16D31012	5.3 %		2.43 ± 8.81	319.69 ± 76.55	0.0467
16D31014	6.0 %		10.50 ± 7.36	316.74 ± 61.59	0.1932
16D31015	6.7 %		13.64 ± 4.95	344.03 ± 43.46	0.2577
16D31017	7.3 %		17.90 ± 4.60	366.58 ± 42.80	0.3506
16D31018	8.3 %		6.13 ± 0.63	321.59 ± 6.88	0.1716
16D31020	9.3 %	✓	44.77 ± 1.81	436.68 ± 14.79	0.7338
16D31021	10.5 %	✓	37.92 ± 1.46	409.12 ± 12.33	0.6723
16D31023	11.0 %	✓	64.06 ± 1.38	486.02 ± 9.76	0.8564
16D31024	11.5 %	✓	65.99 ± 4.13	500.17 ± 28.56	0.8043
16D31026	12.5 %	✓	86.63 ± 1.50	557.48 ± 9.41	0.9377
16D31027	13.5 %	✓	71.64 ± 1.63	509.06 ± 11.03	0.8869
16D31029	14.5 %	✓	69.35 ± 1.07	517.19 ± 7.63	0.9201
16D31030	15.5 %	✓	122.24 ± 2.49	667.76 ± 13.47	0.9532
16D31032	16.6 %		83.48 ± 2.23	612.44 ± 15.55	0.8942
16D31033	17.7 %		98.40 ± 6.63	623.84 ± 40.32	0.8765
16D31035	18.7 %	✓	124.72 ± 2.05	679.16 ± 11.07	0.9722
16D31036	19.7 %	✓	87.40 ± 2.69	554.26 ± 16.45	0.8826
16D31038	20.8 %	✓	90.01 ± 5.91	567.52 ± 35.49	0.8579
16D31039	22.0 %	✓	100.49 ± 5.35	588.34 ± 30.48	0.8863
16D31041	23.8 %	✓	85.04 ± 4.75	558.72 ± 29.56	0.8556
16D31042	24.9 %		88.42 ± 5.46	595.22 ± 35.24	0.8760
16D31044	26.0 %		64.84 ± 2.63	508.99 ± 18.58	0.8109

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	297.32 ± 12.05	3.03739 ± 0.13438	8.01 ± 0.35	2.71
Error Chron	± 4.05%	± 4.42%	± 4.42% Full External Error ± 0.40 Analytical Error ± 0.35	0%
Statistics	2σ Confidence Limit Error Magnification Number of Data Points	1.85 1.6472 13	Convergence Number of Iterations Calculated Line	0.000024088668 14 Weighted York-2

Inverse Isochron		39(k)/40(a+r) ± 2σ		36(a)/40(a+r) ± 2σ	r.i.
16D31005	2.0 %		0.0050180 ± 0.0114370	0.00321830 ± 0.00030938	0.0122
16D31006	2.5 %		0.0023998 ± 0.0099966	0.00322522 ± 0.00027459	0.0060
16D31008	3.2 %		0.0013229 ± 0.0077076	0.00318170 ± 0.00021653	0.0032
16D31009	3.9 %		0.0005554 ± 0.0052809	0.00339095 ± 0.00015084	0.0014
16D31011	4.6 %		0.0049752 ± 0.0151636	0.00300539 ± 0.00041262	0.0126
16D31012	5.3 %		0.0076136 ± 0.0275289	0.00312806 ± 0.00074904	0.0195
16D31014	6.0 %		0.0331468 ± 0.0228877	0.00315718 ± 0.00061391	0.0854
16D31015	6.7 %		0.0396537 ± 0.0139761	0.00290673 ± 0.00036720	0.0928
16D31017	7.3 %		0.0488412 ± 0.0118148	0.00272790 ± 0.00031846	0.1105
16D31018	8.3 %		0.0190518 ± 0.0019359	0.00310951 ± 0.00006651	0.0365
16D31020	9.3 %	✓	0.1025203 ± 0.0028522	0.00229001 ± 0.00007754	0.1491
16D31021	10.5 %	✓	0.0926963 ± 0.0026739	0.00244426 ± 0.00007369	0.1469
16D31023	11.0 %	✓	0.1318089 ± 0.0014839	0.00205754 ± 0.00004133	0.1427
16D31024	11.5 %	✓	0.1319424 ± 0.0049873	0.00199931 ± 0.00011416	0.1787
16D31026	12.5 %	✓	0.1553964 ± 0.0009394	0.00179379 ± 0.00003029	0.1115
16D31027	13.5 %	✓	0.1407365 ± 0.0014939	0.00196440 ± 0.00004257	0.1412
16D31029	14.5 %	✓	0.1340931 ± 0.0008115	0.00193352 ± 0.00002852	0.1004
16D31030	15.5 %	✓	0.1830625 ± 0.0011366	0.00149754 ± 0.00003021	0.1203
16D31032	16.6 %		0.1363116 ± 0.0016425	0.00163282 ± 0.00004146	0.1257
16D31033	17.7 %		0.1577267 ± 0.0051928	0.00160298 ± 0.00010361	0.1689
16D31035	18.7 %	✓	0.1836308 ± 0.0007096	0.00147240 ± 0.00002400	0.0818
16D31036	19.7 %	✓	0.1576870 ± 0.0023167	0.00180420 ± 0.00005356	0.1705
16D31038	20.8 %	✓	0.1586044 ± 0.0054424	0.00176205 ± 0.00011018	0.1802
16D31039	22.0 %	✓	0.1708056 ± 0.0042838	0.00169969 ± 0.00008805	0.1854
16D31041	23.8 %	✓	0.1522038 ± 0.0044726	0.00178979 ± 0.00009469	0.1725
16D31042	24.9 %		0.1485492 ± 0.0044891	0.00168005 ± 0.00009948	0.1691
16D31044	26.0 %		0.1273932 ± 0.0030544	0.00196467 ± 0.00007170	0.1525

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron Error Chron	298.00 ± 12.10 ± 4.06%	3.03292 ± 0.13396 ± 4.42%	8.00 ± 0.35 ± 4.41% Full External Error ± 0.40 Analytical Error ± 0.35	2.73 0%
Statistics	2σ Confidence Limit Error Magnification Number of Data Points Spreading Factor	1.85 1.6535 13 27.6%	Convergence Number of Iterations Calculated Line	0.0004342578 3 Weighted York-2

Degassing Patterns		36Ar(a) [fA]	%1σ	36Ar(c) [fA]	%1σ	36Ar(ca) [fA]	%1σ	36Ar(cl) [fA]	%1σ	37Ar(ca) [fA]	%1σ	38Ar(a) [fA]	%1σ	38Ar(c) [fA]	%1σ	38Ar(k) [fA]	%1σ	38Ar(ca) [fA]	%1σ	38Ar(cl) [fA]	%1σ	39Ar(k) [fA]	%1σ	39Ar(ca) [fA]	%1σ	40Ar(r) [fA]	%1σ	40Ar(a) [fA]	%1σ	40Ar(c) [fA]	%1σ	40Ar(k) [fA]	%1σ
16D31005	2.0 %	0.0130322	4.05	0.0000000	0.00	0.0000207	91.61	0.0000000	0.00	0.0779	91.60	0.0024357	4.05	0.0000000	0.00	0.0002445	113.93	0.0000056	92.50	0.0000000	0.00	0.020320	113.93	0.0000526	91.61	0.19839	94.72	3.85101	4.05	0.0000000	0.00	0.0000777	113.96
16D31006	2.5 %	0.0146057	3.58	0.0000000	0.00	0.0000037	547.17	0.0000000	0.00	0.0139	547.17	0.0027298	3.58	0.0000000	0.00	0.0001307	208.27	0.0000010	547.32	0.0000000	0.00	0.010867	208.27	0.0000094	547.17	0.21261	87.69	4.31597	3.58	0.0000000	0.00	0.0000415	208.29
16D31008	3.2 %	0.0186078	2.89	0.0000000	0.00	0.0000229	85.68	0.0000000	0.00	0.0860	85.68	0.0034778	2.89	0.0000000	0.00	0.0000931	291.30	0.0000062	86.63	0.0000000	0.00	0.007737	291.30	0.0000581	85.69	0.34977	54.46	5.49861	2.89	0.0000000	0.00	0.0000296	291.31
16D31009	3.9 %	0.0295983	1.87	0.0000000	0.00	0.0000243	77.17	0.0000000	0.00	0.0914	77.17	0.0055319	1.87	0.0000000	0.00	0.0000583	475.41	0.0000066	78.23	0.0000000	0.00	0.004848	475.41	0.0000617	77.18	0.01767	#####	8.74629	1.87	0.0000000	0.00	0.0000185	475.42
16D31011	4.6 %	0.0087010	5.83	0.0000000	0.00	0.0000070	275.92	0.0000000	0.00	0.0264	275.92	0.0016262	5.83	0.0000000	0.00	0.0001733	152.35	0.0000019	276.22	0.0000000	0.00	0.014404	152.35	0.0000178	275.92	0.32398	56.48	2.57114	5.83	0.0000000	0.00	0.0000551	152.37
16D31012	5.3 %	0.0050404	10.06	0.0000000	0.00	0.0000220	95.09	0.0000000	0.00	0.0824	95.09	0.0009421	10.06	0.0000000	0.00	0.0001476	180.67	0.0000059	95.95	0.0000000	0.00	0.012268	180.67	0.0000557	95.10	0.12191	149.90	1.48944	10.06	0.0000000	0.00	0.0000469	180.69
16D31014	6.0 %	0.0061719	8.12	0.0000000	0.00	0.0002089	9.61	0.0000000	0.00	0.7845	9.61	0.0011535	8.12	0.0000000	0.00	0.0007796	34.11	0.0000563	16.02	0.0000000	0.00	0.064799	34.11	0.0005300	9.70	0.13108	138.29	1.82381	8.12	0.0000000	0.00	0.0002477	34.21
16D31015	6.7 %	0.0094663	5.44	0.0000000	0.00	0.0005059	3.82	0.0000001	#####	1.8996	3.82	0.0017692	5.44	0.0000000	0.00	0.0015537	17.33	0.0001364	13.38	0.0018502	#####	0.129139	17.33	0.0012833	4.04	0.45939	40.19	2.79728	5.44	0.0000000	0.00	0.0004937	17.53
16D31017	7.3 %	0.0102414	5.13	0.0000000	0.00	0.0006200	3.04	0.0000000	0.00	2.3284	3.03	0.0019141	5.13	0.0000000	0.00	0.0022061	11.77	0.0001672	13.17	0.0000000	0.00	0.183366	11.77	0.0015730	3.31	0.72799	25.72	3.02634	5.13	0.0000000	0.00	0.0007010	12.07
16D31018	8.3 %	0.0733406	0.97	0.0000000	0.00	0.0018320	1.13	0.0000020	98.46	6.8793	1.12	0.0137073	0.97	0.0000000	0.00	0.0054062	5.06	0.0004939	12.87	0.0260154	98.46	0.449355	5.06	0.0046477	1.73	1.91376	12.30	21.67213	0.97	0.0000000	0.00	0.0017179	5.72
16D31020	9.3 %	✓ 0.0405662	1.59	0.0000000	0.00	0.0076004	0.38	0.0000059	32.10	28.5406	0.35	0.0075818	1.59	0.0000000	0.00	0.0218494	1.27	0.0020492	12.82	0.0778058	32.11	1.816091	1.26	0.0192821	1.37	5.72713	3.79	11.98732	1.59	0.0000000	0.00	0.0069429	2.94
16D31021	10.5 %	✓ 0.0454835	1.40	0.0000000	0.00	0.0071021	0.41	0.0000074	28.08	26.6696	0.38	0.0085009	1.40	0.0000000	0.00	0.0207525	1.34	0.0019149	12.83	0.0975644	28.09	1.724921	1.33	0.0180180	1.37	5.16793	4.17	13.44037	1.40	0.0000000	0.00	0.0065944	2.97
16D31023	11.0 %	✓ 0.0764522	0.96	0.0000000	0.00	0.0204602	0.31	0.0000136	13.93	76.8315	0.27	0.0142889	0.96	0.0000000	0.00	0.0589235	0.51	0.0055165	12.82	0.1801101	13.96	4.897643	0.49	0.0519074	1.35	14.56553	1.66	22.59161	0.96	0.0000000	0.00	0.0187237	2.70
16D31024	11.5 %	✓ 0.0213735	2.68	0.0000000	0.00	0.0059743	0.45	0.0000070	29.25	22.4343	0.42	0.0039947	2.68	0.0000000	0.00	0.0169700	1.62	0.0016108	12.83	0.0928792	29.26	1.410519	1.61	0.0151566	1.39	4.37455	4.55	6.31587	2.68	0.0000000	0.00	0.0053924	3.11
16D31026	12.5 %	✓ 0.1119070	0.83	0.0000000	0.00	0.0400303	0.29	0.0000238	8.31	150.3203	0.25	0.0209154	0.83	0.0000000	0.00	0.1166349	0.30	0.0107930	12.82	0.3151726	8.36	9.694529	0.25	0.1015564	1.34	29.31725	1.00	33.06853	0.83	0.0000000	0.00	0.0370622	2.67
16D31027	13.5 %	✓ 0.0726157	1.05	0.0000000	0.00	0.0216363	0.31	0.0000107	21.63	81.2480	0.27	0.0135719	1.05	0.0000000	0.00	0.0625906	0.48	0.0058336	12.82	0.1417487	21.65	5.202441	0.45	0.0548911	1.35	15.50788	1.60	21.45794	1.05	0.0000000	0.00	0.0198889	2.70
16D31029	14.5 %	✓ 0.1369062	0.72	0.0000000	0.00	0.0387094	0.30	0.0000174	12.73	145.3602	0.26	0.0255878	0.72	0.0000000	0.00	0.1142308	0.31	0.0104369	12.82	0.2297724	12.76	9.494703	0.26	0.0982054	1.34	30.35101	1.02	40.45579	0.72	0.0000000	0.00	0.0362982	2.67
16D31030	15.5 %	✓ 0.0814528	0.99	0.0000000	0.00	0.0416223	0.29	0.0000169	12.58	156.2986	0.25	0.0152235	0.99	0.0000000	0.00	0.1197919	0.29	0.0112222	12.82	0.2230998	12.61	9.956939	0.24	0.1055954	1.34	30.32163	0.86	24.06930	0.99	0.0000000	0.00	0.0380654	2.67
16D31032	16.6 %	0.0554611	1.23	0.0000000	0.00	0.0195490	0.31	0.0000028	70.31	73.4098	0.27	0.0103657	1.23	0.0000000	0.00	0.0557039	0.54	0.0052708	12.82	0.0372090	70.31	4.630028	0.52	0.0495956	1.35	17.57774	1.29	16.38875	1.23	0.0000000	0.00	0.0177006	2.71
16D31033	17.7 %	0.0177366	3.09	0.0000000	0.00	0.0075391	0.39	0.0000000	0.00	28.3106	0.36	0.0033150	3.09	0.0000000	0.00	0.0209966	1.36	0.0020327	12.83	0.0000000	0.00	1.745211	1.35	0.0191266	1.37	5.82360	3.31	5.24118	3.09	0.0000000	0.00	0.0066719	2.98
16D31035	18.7 %	✓ 0.1369307	0.81	0.0000000	0.00	0.0720040	0.29	0.0000336	5.95	270.3868	0.25	0.0255923	0.81	0.0000000	0.00	0.2054572	0.22	0.0194138	12.82	0.4444025	6.02	17.077316	0.16	0.1826733	1.34	52.53508	0.65	40.46302	0.81	0.0000000	0.00	0.0652866	2.66
16D31036	19.7 %	✓ 0.0439372	1.42	0.0000000	0.00	0.0159176	0.31	0.0000082	22.58	59.7732	0.27	0.0082119	1.42	0.0000000	0.00	0.0462003	0.62	0.0042917	12.82	0.1087395	22.60	3.840107	0.59	0.0403827	1.35	11.36927	1.87	12.98344	1.42	0.0000000	0.00	0.0146807	2.73
16D31038	20.8 %	✓ 0.0188061	2.97	0.0000000	0.00	0.0068958	0.40	0.0000081	23.85	25.8947	0.37	0.0035149	2.97	0.0000000	0.00	0.0203656	1.42	0.0018592	12.83	0.1068995	23.87	1.692764	1.41	0.0174945	1.37	5.11566	3.82	5.55721	2.97	0.0000000	0.00	0.0064714	3.01
16D31039	22.0 %	✓ 0.0229552	2.47	0.0000000	0.00	0.0092472	0.36	0.0000112	17.15	34.7248	0.33	0.0042903	2.47	0.0000000	0.00	0.0277533	1.00	0.0024932	12.82	0.1478617	17.17	2.306818	0.99	0.0234601	1.36	6.72227	2.94	6.78325	2.47	0.0000000	0.00	0.0088190	2.84
16D31041	23.8 %	✓ 0.0229626	2.52	0.0000000	0.00	0.0080964	0.40	0.0000067	31.45	30.4032	0.37	0.0042917	2.52	0.0000000	0.00	0.0234934	1.23	0.0021830	12.83	0.0889210	31.46	1.952739	1.22	0.0205404	1.37	6.04432	3.32	6.78544	2.52	0.0000000	0.00	0.0074653	2.93
16D31042	24.9 %	0.0202576	2.83	0.0000000	0.00	0.0074732	0.40	0.0000023	89.39	28.0632	0.37	0.0037861	2.83	0.0000000	0.00	0.0215495	1.25	0.0020149	12.83	0.0298222	89.40	1.791163	1.24	0.0189595	1.37	6.07159	3.28	5.98612	2.83	0.0000000	0.00	0.0068476	2.93
16D31044	26.0 %	0.0357116	1.73	0.0000000	0.00	0.0099643	0.38	0.0000000	0.00	37.4174	0.35	0.0066745	1.73	0.0000000	0.00	0.0278591	1.06	0.0026866	12.82	0.0000000	0.00	2.315608	1.05	0.0252792	1.36	7.62409	2.76	10.55277	1.73	0.0000000	0.00	0.0088526	2.86
Σ		1.1503214	0.30	0.0000000	0.00	0.3429949	0.10	0.0001777	4.67	1288.0020	0.09	0.2149951	0.30	0.0000000	0.00	0.9916541	0.16	0.0924785	4.11	2.3498741	4.68	82.424907	0.15	0.8701741	0.43	258.63774	0.45	339.91997	0.30	0.0000000	0.00	0.3151104	0.86
Σ								1.4934940	0.23	1288.0020	0.09							3.6490018	3.02			83.295081	0.15							598.87282	0.26		

Additional Parameters		40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
16D31005	2.0 %	198.771735	225.934925	3.821669	5.578146	0.640712	0.728540	46.400	2.530100	1.00033167	1.944E-13
16D31006	2.5 %	417.064878	869.421807	1.278395	7.485417	1.345478	2.805050	46.407	2.530447	1.00033172	2.174E-13
16D31008	3.2 %	761.613821	#####	11.193026	34.222780	2.420236	7.103782	46.422	2.531176	1.00033182	2.807E-13
16D31009	3.9 %	1823.739783	#####	19.086439	93.081955	6.179106	29.755235	46.428	2.531523	1.00033187	4.190E-13
16D31011	4.6 %	200.751736	305.549818	1.828473	5.761440	0.603814	0.919433	46.442	2.532217	1.00033197	1.390E-13
16D31012	5.3 %	130.754573	235.321276	6.689361	13.609225	0.410778	0.739946	46.449	2.532565	1.00033202	7.735E-14
16D31014	6.0 %	29.927835	10.250637	12.008949	4.223452	0.097673	0.033920	46.463	2.533260	1.00033211	9.385E-14
16D31015	6.7 %	24.973954	4.359202	14.564574	2.559928	0.076461	0.013698	46.470	2.533607	1.00033216	1.563E-13
16D31017	7.3 %	20.304171	2.436016	12.589950	1.517884	0.058730	0.007417	46.484	2.534302	1.00033226	1.802E-13
16D31018	8.3 %	51.954833	2.612762	15.152658	0.777667	0.165582	0.008442	46.491	2.534650	1.00033231	1.132E-12
16D31020	9.3 %	✓ 9.655472	0.133142	15.550321	0.201284	0.026247	0.000479	46.505	2.535345	1.00033241	8.506E-13
16D31021	10.5 %	✓ 10.680178	0.152677	15.301527	0.209233	0.030175	0.000538	46.512	2.535693	1.00033246	8.935E-13
16D31023	11.0 %	✓ 7.510957	0.041929	15.522934	0.085476	0.019583	0.000176	46.526	2.536389	1.00033255	1.784E-12
16D31024	11.5 %	✓ 7.502270	0.140667	15.735929	0.260022	0.019187	0.000505	46.533	2.536737	1.00033260	5.134E-13
16D31026	12.5 %	✓ 6.372223	0.019099	15.344935	0.054241	0.015512	0.000101	46.547	2.537433	1.00033270	2.996E-12
16D31027	13.5 %	✓ 7.035073	0.037043	15.454220	0.080450	0.017930	0.000164	46.553	2.537781	1.00033275	1.775E-12
16D31029	14.5 %	✓ 7.384944	0.022147	15.152883	0.055291	0.018309	0.000113	46.568	2.538512	1.00033285	3.400E-12
16D31030	15.5 %	✓ 5.409074	0.016662	15.532731	0.054088	0.012233	0.000084	46.575	2.538860	1.00033290	2.613E-12
16D31032	16.6 %	7.262165	0.043395	15.687107	0.090518	0.016030	0.000167	46.589	2.539557	1.00033300	1.631E-12
16D31033	17.7 %	6.275132	0.102526	16.046010	0.221451	0.014326	0.000364	46.596	2.539905	1.00033305	5.314E-13
16D31035	18.7 %	✓ 5.391857	0.010314	15.665525	0.045780	0.012107	0.000066	46.610	2.540602	1.00033315	4.467E-12
16D31036	19.7 %	✓ 6.279465	0.045796	15.403510	0.099958	0.015427	0.000184	46.617	2.540951	1.00033320	1.170E-12
16D31038	20.8 %	✓ 6.244283	0.106373	15.140819	0.218018	0.015033	0.000387	46.631	2.541648	1.00033329	5.126E-13
16D31039	22.0 %	✓ 5.799452	0.072252	14.901583	0.153502	0.013824	0.000278	46.638	2.541996	1.00033334	6.487E-13
16D31041	23.8 %	✓ 6.505530	0.094877	15.407476	0.194763	0.015743	0.000349	46.651	2.542694	1.00033344	6.162E-13
16D31042	24.9 %	6.665049	0.099979	15.503462	0.197973	0.015321	0.000368	46.658	2.543043	1.00033349	5.791E-13
16D31044	26.0 %	7.768727	0.092343	15.984295	0.175075	0.019512	0.000333	46.672	2.543740	1.00033359	8.729E-13



Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
16D31005	2.0 %	0.0041635 ± 0.0004383	0.0049717 ± 0.0205135	0.1071343 ± 0.0175942	0.0606174 ± 0.0159253	1.0661049 ± 0.1032307
16D31006	2.5 %	0.0042851 ± 0.0004383	0.0089764 ± 0.0205135	0.1011930 ± 0.0175942	0.0643969 ± 0.0159253	1.0689521 ± 0.1032307
16D31008	3.2 %	0.0044960 ± 0.0004383	0.0211516 ± 0.0205135	0.1044561 ± 0.0175942	0.0751191 ± 0.0159253	1.0770444 ± 0.1032307
16D31009	3.9 %	0.0045780 ± 0.0004383	0.0200631 ± 0.0205135	0.1124171 ± 0.0175942	0.0814952 ± 0.0159253	1.0816692 ± 0.1032307
16D31011	4.6 %	0.0047126 ± 0.0004383	0.0073976 ± 0.0205135	0.1382595 ± 0.0175942	0.0965266 ± 0.0159253	1.0918890 ± 0.1032307
16D31012	5.3 %	0.0047674 ± 0.0004383	0.0031461 ± 0.0205135	0.1552226 ± 0.0175942	0.1050943 ± 0.0159253	1.0972963 ± 0.1032307
16D31014	6.0 %	0.0048568 ± 0.0004383	0.0302682 ± 0.0205135	0.1950710 ± 0.0175942	0.1240724 ± 0.0159253	1.1082777 ± 0.1032307
16D31015	6.7 %	0.0048933 ± 0.0004383	0.0459707 ± 0.0205135	0.2171452 ± 0.0175942	0.1343612 ± 0.0159253	1.1136976 ± 0.1032307
16D31017	7.3 %	0.0049536 ± 0.0004383	0.0796654 ± 0.0205135	0.2637000 ± 0.0175942	0.1561917 ± 0.0159253	1.1240513 ± 0.1032307
16D31018	8.3 %	0.0049790 ± 0.0004383	0.0969391 ± 0.0205135	0.2874767 ± 0.0175942	0.1675778 ± 0.0159253	1.1288644 ± 0.1032307
16D31020	9.3 %	0.0050228 ± 0.0004383	0.1307395 ± 0.0205135	0.3344033 ± 0.0175942	0.1908603 ± 0.0159253	1.1375027 ± 0.1032307
16D31021	10.5 %	0.0050423 ± 0.0004383	0.1467052 ± 0.0205135	0.3569565 ± 0.0175942	0.2025669 ± 0.0159253	1.1412404 ± 0.1032307
16D31023	11.0 %	0.0050783 ± 0.0004383	0.1755617 ± 0.0205135	0.3988852 ± 0.0175942	0.2255947 ± 0.0159253	1.1473765 ± 0.1032307
16D31024	11.5 %	0.0050955 ± 0.0004383	0.1880489 ± 0.0205135	0.4177712 ± 0.0175942	0.2366921 ± 0.0159253	1.1497209 ± 0.1032307
16D31026	12.5 %	0.0051289 ± 0.0004383	0.2083288 ± 0.0205135	0.4502971 ± 0.0175942	0.2574524 ± 0.0159253	1.1528696 ± 0.1032307
16D31027	13.5 %	0.0051453 ± 0.0004383	0.2158754 ± 0.0205135	0.4635547 ± 0.0175942	0.2668577 ± 0.0159253	1.1536534 ± 0.1032307
16D31029	14.5 %	0.0051791 ± 0.0004383	0.2256361 ± 0.0205135	0.4839675 ± 0.0175942	0.2837325 ± 0.0159253	1.1535745 ± 0.1032307
16D31030	15.5 %	0.0051946 ± 0.0004383	0.2272943 ± 0.0205135	0.4898612 ± 0.0175942	0.2900890 ± 0.0159253	1.1527300 ± 0.1032307
16D31032	16.6 %	0.0052233 ± 0.0004383	0.2248085 ± 0.0205135	0.4936845 ± 0.0175942	0.2987628 ± 0.0159253	1.1495572 ± 0.1032307
16D31033	17.7 %	0.0052358 ± 0.0004383	0.2207386 ± 0.0205135	0.4914499 ± 0.0175942	0.3007532 ± 0.0159253	1.1472765 ± 0.1032307
16D31035	18.7 %	0.0052549 ± 0.0004383	0.2073265 ± 0.0205135	0.4784115 ± 0.0175942	0.2991817 ± 0.0159253	1.1414876 ± 0.1032307
16D31036	19.7 %	0.0052605 ± 0.0004383	0.1982158 ± 0.0205135	0.4675507 ± 0.0175942	0.2952589 ± 0.0159253	1.1380606 ± 0.1032307
16D31038	20.8 %	0.0052605 ± 0.0004383	0.1759606 ± 0.0205135	0.4371374 ± 0.0175942	0.2801947 ± 0.0159253	1.1303857 ± 0.1032307
16D31039	22.0 %	0.0052534 ± 0.0004383	0.1632051 ± 0.0205135	0.4176352 ± 0.0175942	0.2686585 ± 0.0159253	1.1262526 ± 0.1032307
16D31041	23.8 %	0.0052208 ± 0.0004383	0.1356073 ± 0.0205135	0.3702989 ± 0.0175942	0.2365481 ± 0.0159253	1.1177233 ± 0.1032307
16D31042	24.9 %	0.0051935 ± 0.0004383	0.1213114 ± 0.0205135	0.3426223 ± 0.0175942	0.2155451 ± 0.0159253	1.1134752 ± 0.1032307
16D31044	26.0 %	0.0051114 ± 0.0004383	0.0932885 ± 0.0205135	0.2797796 ± 0.0175942	0.1625289 ± 0.0159253	1.1054242 ± 0.1032307

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)
16D31005	2.0 %	0.0166564 ± 0.0002481	0.8240	EXP	150 of 150	0.025203 ± 0.018526	0.0150	EXP	150 of 150	0.1199700 ± 0.0180485	0.0090	EXP	150 of 150	0.0403835 ± 0.0165850	0.1287	EXP	150 of 150	5.115588 ± 0.017829	0.9986	EXP	150 of 150
16D31006	2.5 %	0.0182677 ± 0.0002359	0.8489	EXP	150 of 150	0.014355 ± 0.021106	0.0057	EXP	150 of 150	0.1439649 ± 0.0183753	0.0010	EXP	150 of 150	0.0751811 ± 0.0158657	0.2508	EXP	150 of 150	5.597490 ± 0.017127	0.9988	EXP	150 of 150
16D31008	3.2 %	0.0222837 ± 0.0002649	0.8121	EXP	150 of 150	0.012145 ± 0.019824	0.0677	EXP	150 of 150	0.1489940 ± 0.0168087	0.0050	EXP	150 of 150	0.0674924 ± 0.0157307	0.1896	EXP	150 of 150	6.925458 ± 0.018478	0.9986	EXP	150 of 150
16D31009	3.9 %	0.0328833 ± 0.0002877	0.6951	EXP	150 of 150	0.015321 ± 0.018021	0.0584	EXP	150 of 150	0.1714285 ± 0.0175824	0.0007	EXP	150 of 150	0.0767416 ± 0.0164425	0.1631	EXP	150 of 150	9.810311 ± 0.016882	0.9987	EXP	150 of 150
16D31011	4.6 %	0.0130471 ± 0.0002065	0.9003	EXP	150 of 150	0.017609 ± 0.019314	0.0035	EXP	150 of 150	0.2001339 ± 0.0179305	0.0020	EXP	150 of 150	0.0822030 ± 0.0148793	0.1540	EXP	150 of 150	3.987070 ± 0.018853	0.9986	EXP	150 of 150
16D31012	5.3 %	0.0096126 ± 0.0002070	0.9074	EXP	150 of 150	0.028773 ± 0.022371	0.0153	EXP	150 of 150	0.2013648 ± 0.0171882	0.0004	EXP	150 of 150	0.0928544 ± 0.0151990	0.2036	EXP	150 of 150	2.708695 ± 0.016704	0.9990	EXP	150 of 150
16D31014	6.0 %	0.0109639 ± 0.0001923	0.9116	EXP	150 of 150	0.273403 ± 0.020751	0.0050	EXP	150 of 150	0.2421580 ± 0.0175900	0.0220	EXP	149 of 150	0.0591885 ± 0.0151064	0.2127	EXP	150 of 150	3.063420 ± 0.017267	0.9990	EXP	150 of 150
16D31015	6.7 %	0.0144377 ± 0.0002223	0.9004	EXP	150 of 150	0.689199 ± 0.019080	0.0109	EXP	150 of 150	0.2119045 ± 0.0169961	0.0008	EXP	150 of 150	0.0048262 ± 0.0155008	0.2297	EXP	150 of 150	4.370867 ± 0.017367	0.9990	EXP	150 of 150
16D31017	7.3 %	0.0153492 ± 0.0002430	0.8812	EXP	150 of 150	0.821220 ± 0.017935	0.0093	EXP	150 of 150	0.2646266 ± 0.0181497	0.0085	EXP	150 of 150	0.0274885 ± 0.0143424	0.1923	EXP	150 of 150	4.879083 ± 0.018355	0.9989	EXP	150 of 150
16D31018	8.3 %	0.0769285 ± 0.0004811	0.1759	EXP	150 of 150	2.564427 ± 0.020495	0.2533	EXP	150 of 150	0.2424458 ± 0.0181509	0.0069	EXP	150 of 150	0.2833345 ± 0.0160144	0.1709	EXP	150 of 150	24.716473 ± 0.019140	0.9984	EXP	150 of 150
16D31020	9.3 %	0.0511287 ± 0.0004111	0.5520	EXP	150 of 150	10.907567 ± 0.019035	0.9090	EXP	150 of 150	0.2265349 ± 0.0172433	0.0004	EXP	149 of 150	1.6320216 ± 0.0161259	0.0060	EXP	150 of 150	18.858896 ± 0.019064	0.9987	EXP	150 of 150
16D31021	10.5 %	0.0553790 ± 0.0003957	0.5455	EXP	150 of 150	10.166559 ± 0.021933	0.8710	EXP	150 of 150	0.2298941 ± 0.0205084	0.0000	EXP	150 of 150	1.5285098 ± 0.0161766	0.0014	EXP	150 of 150	19.756140 ± 0.020147	0.9986	EXP	150 of 150
16D31023	11.0 %	0.0978463 ± 0.0004810	0.2238	EXP	150 of 150	29.527390 ± 0.024283	0.9799	EXP	150 of 150	0.1434043 ± 0.0173346	0.0001	EXP	150 of 150	4.6902693 ± 0.0171273	0.6750	EXP	150 of 150	38.323239 ± 0.021875	0.9980	EXP	150 of 150
16D31024	11.5 %	0.0312767 ± 0.0003199	0.8029	EXP	149 of 150	8.483839 ± 0.021508	0.8395	EXP	150 of 150	0.3038145 ± 0.0202121	0.0060	EXP	150 of 150	1.1792807 ± 0.0160364	0.0001	EXP	150 of 150	11.845527 ± 0.019081	0.9990	EXP	150 of 150
16D31026	12.5 %	0.1505710 ± 0.0006398	0.0104	EXP	150 of 150	57.881341 ± 0.023114	0.9952	EXP	150 of 150	0.0072050 ± 0.0186464	0.0476	EXP	149 of 150	9.4719592 ± 0.0168217	0.9180	EXP	150 of 150	63.575713 ± 0.020555	0.9977	EXP	150 of 150
16D31027	13.5 %	0.0953643 ± 0.0005154	0.2366	EXP	150 of 150	31.177228 ± 0.031231	0.9702	EXP	149 of 150	0.2427128 ± 0.0245662	0.0028	EXP	150 of 150	4.9546920 ± 0.0163767	0.7225	EXP	150 of 150	38.139368 ± 0.021057	0.9984	EXP	150 of 150
16D31029	14.5 %	0.1732776 ± 0.0006803	0.0950	EXP	150 of 150	55.923385 ± 0.033370	0.9893	EXP	150 of 150	0.1088702 ± 0.0227499	0.0167	EXP	150 of 150	9.2438832 ± 0.0177966	0.8977	EXP	150 of 150	71.996667 ± 0.024050	0.9967	EXP	150 of 150
16D31030	15.5 %	0.1230061 ± 0.0005265	0.0213	EXP	150 of 150	60.138687 ± 0.027560	0.9937	EXP	150 of 150	0.1253155 ± 0.0212317	0.0489	EXP	150 of 150	9.7039562 ± 0.0164752	0.9266	EXP	150 of 150	55.581724 ± 0.021998	0.9981	EXP	150 of 150
16D31032	16.6 %	0.0770182 ± 0.0004357	0.4718	EXP	150 of 150	28.119881 ± 0.021799	0.9818	EXP	150 of 150	0.3865435 ± 0.0188799	0.0272	EXP	150 of 150	4.3490090 ± 0.0173239	0.6397	EXP	150 of 150	35.133753 ± 0.020781	0.9986	EXP	150 of 150
16D31033	17.7 %	0.0294272 ± 0.0002781	0.8424	EXP	150 of 150	10.708933 ± 0.020898	0.8953	EXP	150 of 150	0.5346367 ± 0.0190892	0.0002	EXP	150 of 150	1.4515754 ± 0.0170029	0.0196	EXP	150 of 150	12.218727 ± 0.018504	0.9991	EXP	150 of 150
16D31035	18.7 %	0.2052587 ± 0.0007505	0.3856	EXP	150 of 150	104.150419 ± 0.023998	0.9984	EXP	150 of 150	0.2074390 ± 0.0186286	0.0094	EXP	150 of 150	16.8433257 ± 0.0174645	0.9727	EXP	150 of 150	94.204876 ± 0.021906	0.9956	EXP	150 of 150
16D31036	19.7 %	0.0625555 ± 0.0003684	0.5385	EXP	150 of 150	22.868504 ± 0.018245	0.9798	EXP	150 of 150	0.3022797 ± 0.0166310	0.0454	EXP	150 of 150	3.5588172 ± 0.0159245	0.4482	EXP	150 of 150	25.505456 ± 0.019203	0.9989	EXP	150 of 150
16D31038	20.8 %	0.0298675 ± 0.0002959	0.8158	EXP	150 of 150	9.814180 ± 0.018356	0.9034	EXP	150 of 150	0.3062191 ± 0.0179618	0.0058	EXP	150 of 150	1.4184225 ± 0.0174306	0.0001	EXP	150 of 150	11.809724 ± 0.018775	0.9991	EXP	150 of 150
16D31039	22.0 %	0.0360850 ± 0.0003063	0.8210	EXP	150 of 150	13.231747 ± 0.021649	0.9236	EXP	150 of 150	0.2376030 ± 0.0177419	0.0061	EXP	150 of 150	2.0457582 ± 0.0159103	0.1059	EXP	150 of 150	14.640591 ± 0.018067	0.9991	EXP	150 of 150
16D31041	23.8 %	0.0349539 ± 0.0003245	0.7620	EXP	150 of 150	11.589094 ± 0.026013	0.8556	EXP	150 of 150	0.2529523 ± 0.0212452	0.0021	EXP	150 of 150	1.7232990 ± 0.0174446	0.0342	EXP	150 of 150	13.954950 ± 0.019461	0.9990	EXP	150 of 150
16D31042	24.9 %	0.0317368 ± 0.0003199	0.8102	EXP	150 of 150	10.699474 ± 0.021422	0.8875	EXP	150 of 150	0.2861913 ± 0.0195588	0.0049	EXP	150 of 150	1.5822556 ± 0.0150985	0.0781	EXP	150 of 150	13.178028 ± 0.018408	0.9991	EXP	150 of 150
16D31044	26.0 %	0.0488278 ± 0.0003756	0.6741	EXP	150 of 150	14.330427 ± 0.028488	0.8868	EXP	150 of 150	0.3394700 ± 0.0219512	0.0004	EXP	149 of 150	2.1624242 ± 0.0180946	0.2258	EXP	150 of 150	19.291142 ± 0.019113	0.9990	EXP	150 of 150

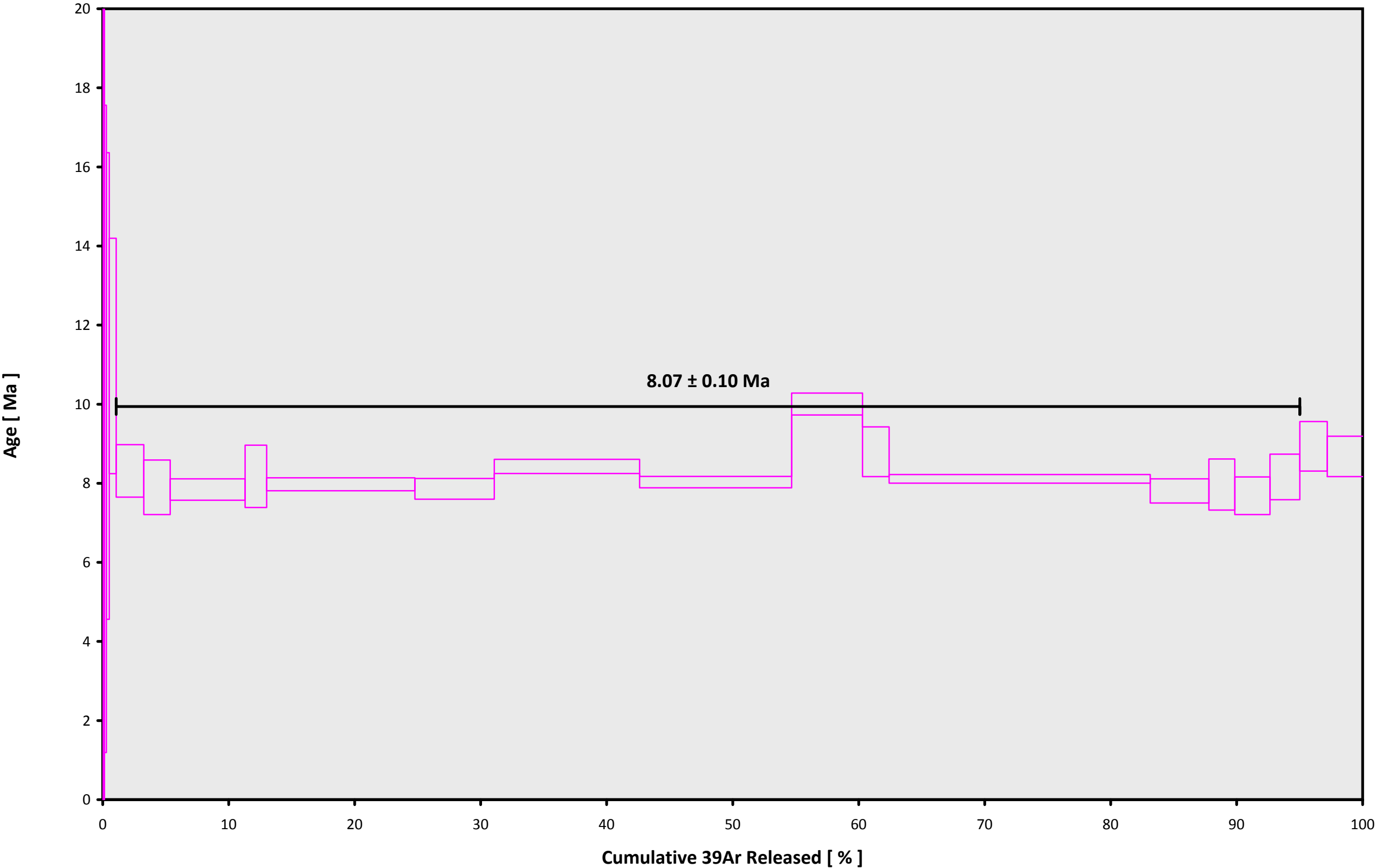


Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
16D31005	2.0 %	Anthony Koppers	16-OSU-07	0.00	0.00	57.66	Oregon\McCloughry (15-17)	16D31001	01
16D31006	2.5 %	Anthony Koppers	16-OSU-07	0.00	0.00	57.66	Oregon\McCloughry (15-17)	16D31001	01
16D31008	3.2 %	Anthony Koppers	16-OSU-07	0.00	0.00	57.66	Oregon\McCloughry (15-17)	16D31001	01
16D31009	3.9 %	Anthony Koppers	16-OSU-07	0.00	0.00	57.66	Oregon\McCloughry (15-17)	16D31001	01
16D31011	4.6 %	Anthony Koppers	16-OSU-07	0.00	0.00	57.66	Oregon\McCloughry (15-17)	16D31001	01
16D31012	5.3 %	Anthony Koppers	16-OSU-07	0.00	0.00	57.66	Oregon\McCloughry (15-17)	16D31001	01
16D31014	6.0 %	Anthony Koppers	16-OSU-07	0.00	0.00	57.66	Oregon\McCloughry (15-17)	16D31001	01
16D31015	6.7 %	Anthony Koppers	16-OSU-07	0.00	0.00	57.66	Oregon\McCloughry (15-17)	16D31001	01
16D31017	7.3 %	Anthony Koppers	16-OSU-07	0.00	0.00	57.66	Oregon\McCloughry (15-17)	16D31001	01
16D31018	8.3 %	Anthony Koppers	16-OSU-07	0.00	0.00	57.66	Oregon\McCloughry (15-17)	16D31001	01
16D31020	9.3 %	Anthony Koppers	16-OSU-07	0.00	0.00	57.66	Oregon\McCloughry (15-17)	16D31001	01
16D31021	10.5 %	Anthony Koppers	16-OSU-07	0.00	0.00	57.66	Oregon\McCloughry (15-17)	16D31001	01
16D31023	11.0 %	Anthony Koppers	16-OSU-07	0.00	0.00	57.66	Oregon\McCloughry (15-17)	16D31001	01
16D31024	11.5 %	Anthony Koppers	16-OSU-07	0.00	0.00	57.66	Oregon\McCloughry (15-17)	16D31001	01
16D31026	12.5 %	Anthony Koppers	16-OSU-07	0.00	0.00	57.66	Oregon\McCloughry (15-17)	16D31001	01
16D31027	13.5 %	Anthony Koppers	16-OSU-07	0.00	0.00	57.66	Oregon\McCloughry (15-17)	16D31001	01
16D31029	14.5 %	Anthony Koppers	16-OSU-07	0.00	0.00	57.66	Oregon\McCloughry (15-17)	16D31001	01
16D31030	15.5 %	Anthony Koppers	16-OSU-07	0.00	0.00	57.66	Oregon\McCloughry (15-17)	16D31001	01
16D31032	16.6 %	Anthony Koppers	16-OSU-07	0.00	0.00	57.66	Oregon\McCloughry (15-17)	16D31001	01
16D31033	17.7 %	Anthony Koppers	16-OSU-07	0.00	0.00	57.66	Oregon\McCloughry (15-17)	16D31001	01
16D31035	18.7 %	Anthony Koppers	16-OSU-07	0.00	0.00	57.66	Oregon\McCloughry (15-17)	16D31001	01
16D31036	19.7 %	Anthony Koppers	16-OSU-07	0.00	0.00	57.66	Oregon\McCloughry (15-17)	16D31001	01
16D31038	20.8 %	Anthony Koppers	16-OSU-07	0.00	0.00	57.66	Oregon\McCloughry (15-17)	16D31001	01
16D31039	22.0 %	Anthony Koppers	16-OSU-07	0.00	0.00	57.66	Oregon\McCloughry (15-17)	16D31001	01
16D31041	23.8 %	Anthony Koppers	16-OSU-07	0.00	0.00	57.66	Oregon\McCloughry (15-17)	16D31001	01
16D31042	24.9 %	Anthony Koppers	16-OSU-07	0.00	0.00	57.66	Oregon\McCloughry (15-17)	16D31001	01
16D31044	26.0 %	Anthony Koppers	16-OSU-07	0.00	0.00	57.66	Oregon\McCloughry (15-17)	16D31001	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	
16D31005	2.0 %	29-DWJ-14	Hornblende	Dufur	FCT-NM (7A43-16)	28.201	0.082	Kuiper et al (2008)	10.75549	0.066	0.00146134	0.066	303.363	0.15	0.9935118	0.069	1	4.8E-14	28	AUG	2016	20	24	1
16D31006	2.5 %	29-DWJ-14	Hornblende	Dufur	FCT-NM (7A43-16)	28.201	0.082	Kuiper et al (2008)	10.75549	0.066	0.00146134	0.066	303.363	0.15	0.9935118	0.069	1	4.8E-14	28	AUG	2016	20	34	1
16D31008	3.2 %	29-DWJ-14	Hornblende	Dufur	FCT-NM (7A43-16)	28.201	0.082	Kuiper et al (2008)	10.75549	0.066	0.00146134	0.066	303.363	0.15	0.9935118	0.069	1	4.8E-14	28	AUG	2016	20	55	1
16D31009	3.9 %	29-DWJ-14	Hornblende	Dufur	FCT-NM (7A43-16)	28.201	0.082	Kuiper et al (2008)	10.75549	0.066	0.00146134	0.066	303.363	0.15	0.9935118	0.069	1	4.8E-14	28	AUG	2016	21	5	1
16D31011	4.6 %	29-DWJ-14	Hornblende	Dufur	FCT-NM (7A43-16)	28.201	0.082	Kuiper et al (2008)	10.75549	0.066	0.00146134	0.066	303.363	0.15	0.9935118	0.069	1	4.8E-14	28	AUG	2016	21	25	1
16D31012	5.3 %	29-DWJ-14	Hornblende	Dufur	FCT-NM (7A43-16)	28.201	0.082	Kuiper et al (2008)	10.75549	0.066	0.00146134	0.066	303.363	0.15	0.9935118	0.069	1	4.8E-14	28	AUG	2016	21	35	1
16D31014	6.0 %	29-DWJ-14	Hornblende	Dufur	FCT-NM (7A43-16)	28.201	0.082	Kuiper et al (2008)	10.75549	0.066	0.00146134	0.066	303.363	0.15	0.9935118	0.069	1	4.8E-14	28	AUG	2016	21	55	1
16D31015	6.7 %	29-DWJ-14	Hornblende	Dufur	FCT-NM (7A43-16)	28.201	0.082	Kuiper et al (2008)	10.75549	0.066	0.00146134	0.066	303.363	0.15	0.9935118	0.069	1	4.8E-14	28	AUG	2016	22	5	1
16D31017	7.3 %	29-DWJ-14	Hornblende	Dufur	FCT-NM (7A43-16)	28.201	0.082	Kuiper et al (2008)	10.75549	0.066	0.00146134	0.066	303.363	0.15	0.9935118	0.069	1	4.8E-14	28	AUG	2016	22	25	1
16D31018	8.3 %	29-DWJ-14	Hornblende	Dufur	FCT-NM (7A43-16)	28.201	0.082	Kuiper et al (2008)	10.75549	0.066	0.00146134	0.066	303.363	0.15	0.9935118	0.069	1	4.8E-14	28	AUG	2016	22	35	1
16D31020	9.3 %	29-DWJ-14	Hornblende	Dufur	FCT-NM (7A43-16)	28.201	0.082	Kuiper et al (2008)	10.75549	0.066	0.00146134	0.066	303.363	0.15	0.9935118	0.069	1	4.8E-14	28	AUG	2016	22	55	1
16D31021	10.5 %	29-DWJ-14	Hornblende	Dufur	FCT-NM (7A43-16)	28.201	0.082	Kuiper et al (2008)	10.75549	0.066	0.00146134	0.066	303.363	0.15	0.9935118	0.069	1	4.8E-14	28	AUG	2016	23	5	1
16D31023	11.0 %	29-DWJ-14	Hornblende	Dufur	FCT-NM (7A43-16)	28.201	0.082	Kuiper et al (2008)	10.75549	0.066	0.00146134	0.066	303.363	0.15	0.9935118	0.069	1	4.8E-14	28	AUG	2016	23	25	1
16D31024	11.5 %	29-DWJ-14	Hornblende	Dufur	FCT-NM (7A43-16)	28.201	0.082	Kuiper et al (2008)	10.75549	0.066	0.00146134	0.066	303.363	0.15	0.9935118	0.069	1	4.8E-14	28	AUG	2016	23	35	1
16D31026	12.5 %	29-DWJ-14	Hornblende	Dufur	FCT-NM (7A43-16)	28.201	0.082	Kuiper et al (2008)	10.75549	0.066	0.00146134	0.066	303.363	0.15	0.9935118	0.069	1	4.8E-14	28	AUG	2016	23	55	1
16D31027	13.5 %	29-DWJ-14	Hornblende	Dufur	FCT-NM (7A43-16)	28.201	0.082	Kuiper et al (2008)	10.75549	0.066	0.00146134	0.066	303.363	0.15	0.9935118	0.069	1	4.8E-14	29	AUG	2016	0	5	1
16D31029	14.5 %	29-DWJ-14	Hornblende	Dufur	FCT-NM (7A43-16)	28.201	0.082	Kuiper et al (2008)	10.75549	0.066	0.00146134	0.066	303.363	0.15	0.9935118	0.069	1	4.8E-14	29	AUG	2016	0	26	1
16D31030	15.5 %	29-DWJ-14	Hornblende	Dufur	FCT-NM (7A43-16)	28.201	0.082	Kuiper et al (2008)	10.75549	0.066	0.00146134	0.066	303.363	0.15	0.9935118	0.069	1	4.8E-14	29	AUG	2016	0	36	1
16D31032	16.6 %	29-DWJ-14	Hornblende	Dufur	FCT-NM (7A43-16)	28.201	0.082	Kuiper et al (2008)	10.75549	0.066	0.00146134	0.066	303.363	0.15	0.9935118	0.069	1	4.8E-14	29	AUG	2016	0	56	1
16D31033	17.7 %	29-DWJ-14	Hornblende	Dufur	FCT-NM (7A43-16)	28.201	0.082	Kuiper et al (2008)	10.75549	0.066	0.00146134	0.066	303.363	0.15	0.9935118	0.069	1	4.8E-14	29	AUG	2016	1	6	1
16D31035	18.7 %	29-DWJ-14	Hornblende	Dufur	FCT-NM (7A43-16)	28.201	0.082	Kuiper et al (2008)	10.75549	0.066	0.00146134	0.066	303.363	0.15	0.9935118	0.069	1	4.8E-14	29	AUG	2016	1	26	1
16D31036	19.7 %	29-DWJ-14	Hornblende	Dufur	FCT-NM (7A43-16)	28.201	0.082	Kuiper et al (2008)	10.75549	0.066	0.00146134	0.066	303.363	0.15	0.9935118	0.069	1	4.8E-14	29	AUG	2016	1	36	1
16D31038	20.8 %	29-DWJ-14	Hornblende	Dufur	FCT-NM (7A43-16)	28.201	0.082	Kuiper et al (2008)	10.75549	0.066	0.00146134	0.066	303.363	0.15	0.9935118	0.069	1	4.8E-14	29	AUG	2016	1	56	1
16D31039	22.0 %	29-DWJ-14	Hornblende	Dufur	FCT-NM (7A43-16)	28.201	0.082	Kuiper et al (2008)	10.75549	0.066	0.00146134	0.066	303.363	0.15	0.9935118	0.069	1	4.8E-14	29	AUG	2016	2	6	1
16D31041	23.8 %	29-DWJ-14	Hornblende	Dufur	FCT-NM (7A43-16)	28.201	0.082	Kuiper et al (2008)	10.75549	0.066	0.00146134	0.066	303.363	0.15	0.9935118	0.069	1	4.8E-14	29	AUG	2016	2	26	1
16D31042	24.9 %	29-DWJ-14	Hornblende	Dufur	FCT-NM (7A43-16)	28.201	0.082	Kuiper et al (2008)	10.75549	0.066	0.00146134	0.066	303.363	0.15	0.9935118	0.069	1	4.8E-14	29	AUG	2016	2	36	1
16D31044	26.0 %	29-DWJ-14	Hornblende	Dufur	FCT-NM (7A43-16)	28.201	0.082	Kuiper et al (2008)	10.75549	0.066	0.00146134	0.066	303.363	0.15	0.9935118	0.069	1	4.8E-14	29	AUG	2016	2	56	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
16D31005	2.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D31006	2.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D31008	3.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D31009	3.9 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D31011	4.6 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D31012	5.3 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D31014	6.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D31015	6.7 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D31017	7.3 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D31018	8.3 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D31020	9.3 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D31021	10.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D31023	11.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D31024	11.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D31026	12.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D31027	13.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D31029	14.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D31030	15.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D31032	16.6 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D31033	17.7 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D31035	18.7 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D31036	19.7 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D31038	20.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D31039	22.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D31041	23.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D31042	24.9 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D31044	26.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0

16D31001.AGE >>> 29-DWJ-14 >>> OREGON | MCCLAUGHRY (15-17) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

8.07 ± 0.10

TOTAL FUSION

8.27 ± 0.08

NORMAL ISOCHRON

8.01 ± 0.35

INVERSE ISOCHRON

8.00 ± 0.35

MSWD (PROBABILITY)

2.54 (0%)

Sample Info

Hornblende

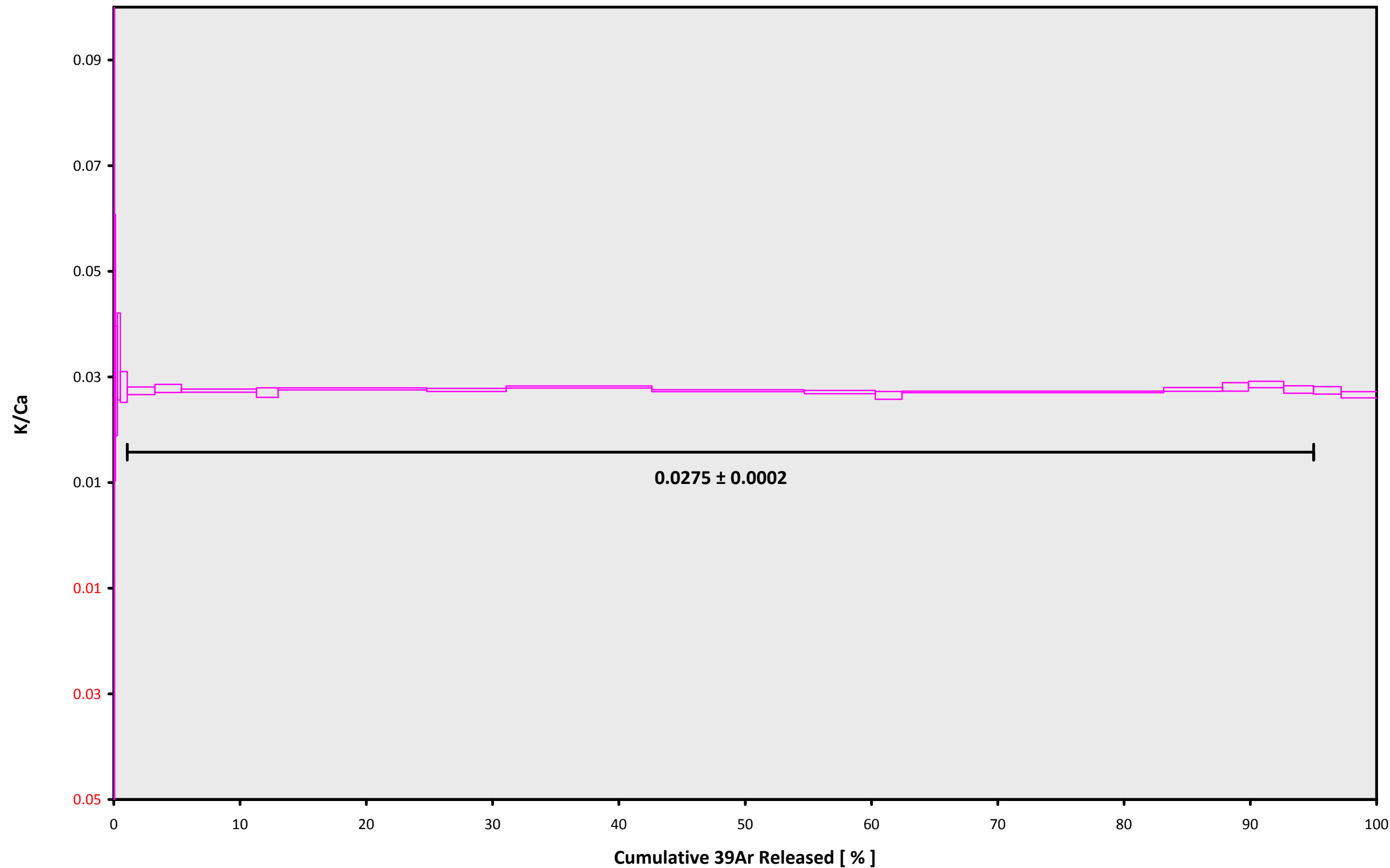
Dufur

Anthony Koppers

IRR = 16-OSU-07 (7A43-16)

J = 0.00146134 ± 0.00000096

16D31001.AGE >>> 29-DWJ-14 >>> OREGON | MCCLAUGHRY (15-17) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

8.07  $\pm$  0.10

TOTAL FUSION

8.27  $\pm$  0.08

NORMAL ISOCHRON

8.01  $\pm$  0.35

INVERSE ISOCHRON

8.00  $\pm$  0.35

Sample Info

Hornblende

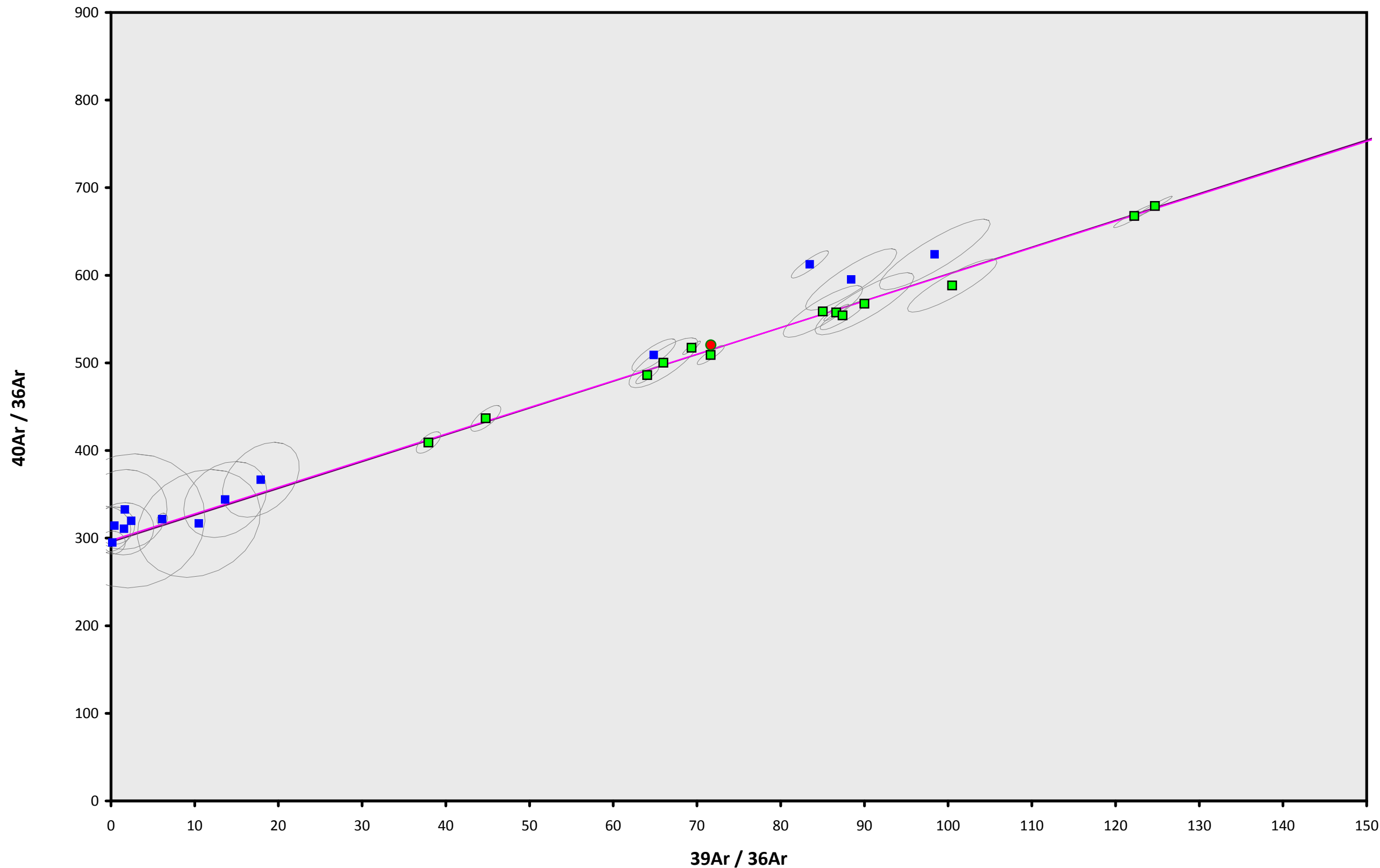
Dufur

Anthony Koppers

IRR = 16-OSU-07 (7A43-16)

J = 0.00146134  $\pm$  0.00000096

16D31001.AGE >>> 29-DWJ-14 >>> OREGON | MCCLAUGHRY (15-17) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

$8.07 \pm 0.10$

TOTAL FUSION

$8.27 \pm 0.08$

NORMAL ISOCHRON

$8.01 \pm 0.35$

INVERSE ISOCHRON

$8.00 \pm 0.35$

MSWD (PROBABILITY)

2.71 (0%)

40AR/36AR INTERCEPT

$297.3 \pm 12.0$

Sample Info

Hornblende

Dufur

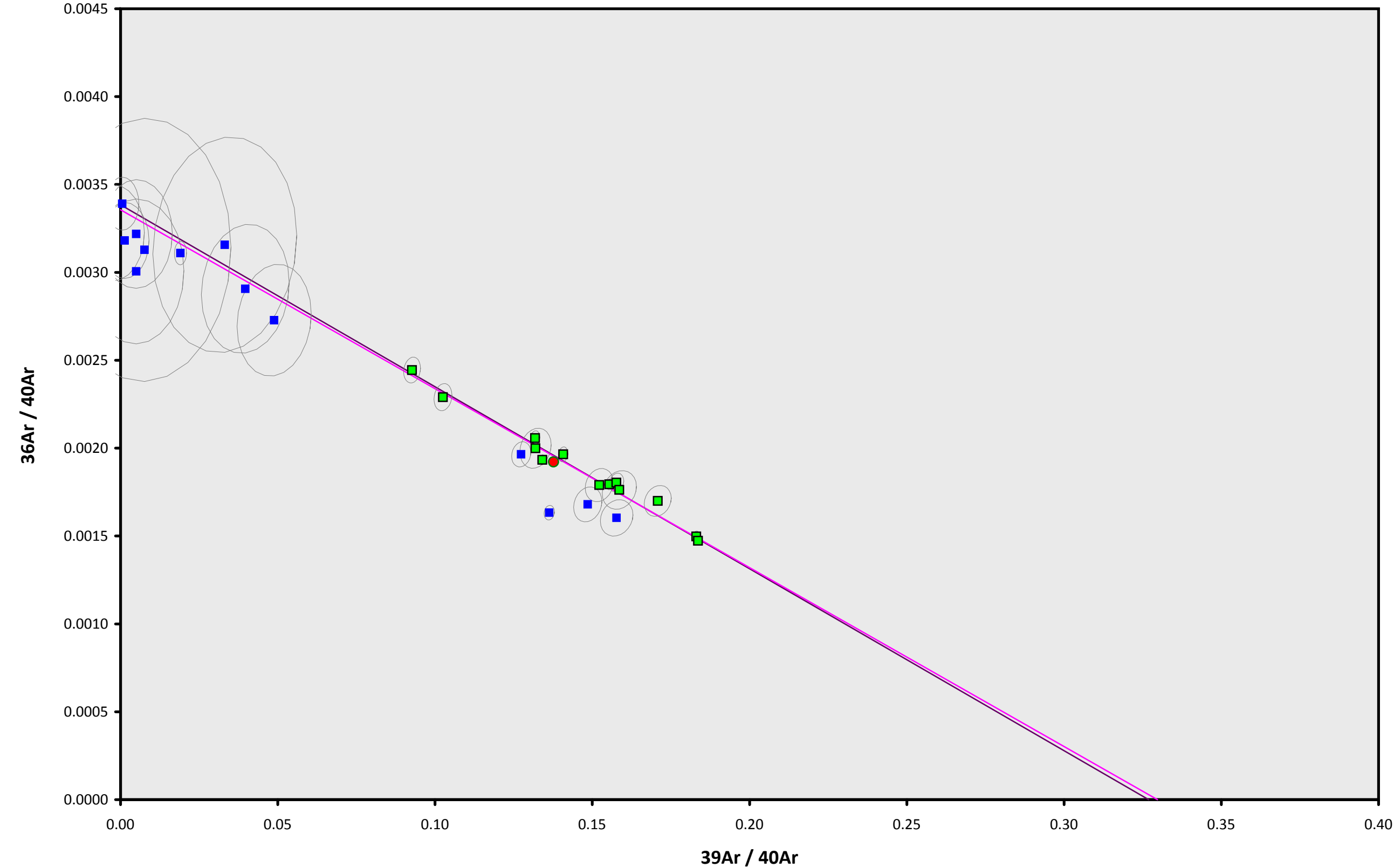
Anthony Koppers

IRR = 16-OSU-07 (7A43-16)

J =  $0.00146134 \pm 0.00000096$



16D31001.AGE >>> 29-DWJ-14 >>> OREGON | MCCLAUGHRY (15-17) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

$8.07 \pm 0.10$

TOTAL FUSION

$8.27 \pm 0.08$

NORMAL ISOCHRON

$8.01 \pm 0.35$

INVERSE ISOCHRON

$8.00 \pm 0.35$

MSWD (PROBABILITY)

2.73 (0%)

SPREADING FACTOR

27.6%

40AR/36AR INTERCEPT

$298.0 \pm 12.1$

Sample Info

Hornblende

Dufur

Anthony Koppers

IRR = 16-OSU-07 (7A43-16)

$J = 0.00146134 \pm 0.00000096$