

OSU Argon Geochronology Lab CEOAS Oregon State University, Corvallis, USA																
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
16D45080	1.8 %	0.441388	0.386	25.2175	0.378	3.322968	0.742	221.5423	0.070	292.6062	0.031	0.73728 ± 0.00473	3.60 ± 0.02	55.82	4.48	3.78 ± 0.03
16D45082	1.9 %	0.394529	0.402	26.5598	0.381	3.148045	0.761	207.9765	0.070	269.1627	0.033	0.73999 ± 0.00471	3.61 ± 0.02	57.17	4.21	3.37 ± 0.03
16D45083	2.0 %	✓ 0.330785	0.385	24.5546	0.404	2.652949	0.960	179.6582	0.070	230.9782	0.038	0.74863 ± 0.00444	3.65 ± 0.02	58.22	3.64	3.15 ± 0.03
16D45084	2.1 %	✓ 0.236713	0.457	17.5936	0.504	1.927570	1.287	130.2210	0.072	166.2409	0.053	0.74638 ± 0.00521	3.64 ± 0.03	58.46	2.64	3.18 ± 0.03
16D45086	2.2 %	✓ 0.301007	0.430	27.2180	0.370	2.543855	1.006	173.4393	0.071	217.7984	0.041	0.75157 ± 0.00465	3.67 ± 0.02	59.84	3.51	2.74 ± 0.02
16D45087	2.3 %	✓ 0.233268	0.460	21.7362	0.429	1.966890	1.179	135.5060	0.073	169.8145	0.052	0.75342 ± 0.00498	3.68 ± 0.02	60.11	2.74	2.68 ± 0.02
16D45088	2.4 %	✓ 0.250019	0.456	26.5633	0.377	2.164893	1.114	147.4471	0.071	183.0894	0.048	0.75116 ± 0.00485	3.67 ± 0.02	60.49	2.98	2.39 ± 0.02
16D45090	2.5 %	✓ 0.225398	0.468	25.6520	0.389	1.971642	1.214	136.5651	0.072	168.0231	0.053	0.75373 ± 0.00487	3.68 ± 0.02	61.25	2.76	2.29 ± 0.02
16D45091	2.6 %	✓ 0.211156	0.501	25.4156	0.396	1.811553	1.285	127.3477	0.073	156.7448	0.056	0.75289 ± 0.00522	3.67 ± 0.03	61.16	2.58	2.15 ± 0.02
16D45092	2.7 %	✓ 0.131049	0.598	14.7503	0.588	1.147345	2.082	78.7040	0.080	97.6928	0.090	0.76030 ± 0.00642	3.71 ± 0.03	61.24	1.59	2.29 ± 0.03
16D45094	2.8 %	✓ 0.129456	0.623	15.1326	0.567	1.135578	2.228	77.6314	0.080	96.0470	0.091	0.75611 ± 0.00666	3.69 ± 0.03	61.11	1.57	2.21 ± 0.03
16D45095	2.9 %	✓ 0.172788	0.512	23.4479	0.401	1.537227	1.581	108.0508	0.074	131.9550	0.067	0.76209 ± 0.00523	3.72 ± 0.03	62.39	2.19	1.98 ± 0.02
16D45096	3.0 %	✓ 0.185953	0.526	28.5268	0.363	1.656722	1.487	118.7761	0.073	143.2688	0.061	0.75882 ± 0.00522	3.70 ± 0.03	62.90	2.40	1.79 ± 0.01
16D45098	3.2 %	✓ 0.190384	0.483	34.7204	0.326	1.775220	1.371	125.4109	0.073	148.9473	0.059	0.75722 ± 0.00470	3.70 ± 0.02	63.75	2.54	1.55 ± 0.01
16D45099	3.4 %	✓ 0.178262	0.523	35.1700	0.334	1.679693	1.481	120.7780	0.073	142.8628	0.062	0.76599 ± 0.00493	3.74 ± 0.02	64.74	2.44	1.48 ± 0.01
16D45100	3.6 %	✓ 0.133951	0.604	24.7396	0.394	1.212796	2.007	86.9646	0.077	104.5598	0.084	0.76591 ± 0.00598	3.74 ± 0.03	63.69	1.76	1.51 ± 0.01
16D45102	3.8 %	✓ 0.129477	0.633	24.9830	0.397	1.192785	2.072	85.2181	0.077	101.8697	0.086	0.76586 ± 0.00617	3.74 ± 0.03	64.05	1.72	1.47 ± 0.01
16D45103	4.0 %	✓ 0.155602	0.563	33.5432	0.335	1.420517	1.737	103.0007	0.075	122.2000	0.072	0.76199 ± 0.00544	3.72 ± 0.03	64.21	2.08	1.32 ± 0.01
16D45104	4.3 %	✓ 0.179977	0.515	42.2211	0.303	1.679990	1.496	122.1012	0.073	143.0058	0.061	0.75924 ± 0.00485	3.71 ± 0.02	64.81	2.47	1.24 ± 0.01
16D45106	4.6 %	✓ 0.162029	0.536	41.7600	0.307	1.543871	1.602	113.9347	0.074	131.6837	0.067	0.76078 ± 0.00491	3.71 ± 0.02	65.81	2.31	1.17 ± 0.01
16D45107	4.9 %	✓ 0.197713	0.499	54.5359	0.280	1.855668	1.326	138.0772	0.072	159.3477	0.055	0.75841 ± 0.00455	3.70 ± 0.02	65.70	2.79	1.09 ± 0.01
16D45108	5.2 %	✓ 0.176752	0.536	47.4982	0.291	1.603082	1.494	120.2093	0.074	140.0095	0.063	0.75771 ± 0.00502	3.70 ± 0.02	65.04	2.43	1.09 ± 0.01
16D45110	5.5 %	✓ 0.175944	0.545	49.8636	0.286	1.614399	1.469	121.3254	0.073	140.5789	0.063	0.75892 ± 0.00503	3.70 ± 0.02	65.48	2.46	1.05 ± 0.01
16D45111	5.8 %	✓ 0.189254	0.491	54.8195	0.280	1.722514	1.417	128.5344	0.073	149.2868	0.059	0.75634 ± 0.00463	3.69 ± 0.02	65.10	2.60	1.01 ± 0.01
16D45112	6.2 %	✓ 0.195506	0.494	57.2228	0.278	1.741056	1.324	129.5891	0.073	151.5932	0.058	0.75517 ± 0.00475	3.69 ± 0.02	64.54	2.62	0.97 ± 0.01
16D45114	6.6 %	0.239781	0.437	67.8904	0.269	1.955564	1.243	145.7459	0.072	174.1372	0.050	0.74173 ± 0.00456	3.62 ± 0.02	62.06	2.95	0.92 ± 0.01
16D45115	7.0 %	0.206924	0.497	54.7780	0.281	1.606167	1.528	115.8152	0.074	144.0687	0.061	0.74966 ± 0.00558	3.66 ± 0.03	60.25	2.34	0.91 ± 0.01
16D45116	7.6 %	0.284103	0.442	71.4258	0.265	1.923686	1.216	141.1564	0.072	184.1570	0.048	0.74616 ± 0.00552	3.64 ± 0.03	57.17	2.86	0.85 ± 0.00
16D45118	8.2 %	0.271038	0.452	64.0991	0.271	1.708931	1.456	122.9278	0.073	165.6544	0.054	0.73354 ± 0.00618	3.58 ± 0.03	54.41	2.49	0.82 ± 0.00
16D45119	8.9 %	0.332635	0.407	53.8505	0.282	1.447759	1.647	101.4237	0.075	169.0386	0.052	0.73577 ± 0.00816	3.59 ± 0.04	44.13	2.05	0.81 ± 0.00
16D45120	9.6 %	0.708510	0.346	38.0290	0.320	1.133200	2.104	74.1621	0.081	262.4754	0.034	0.75297 ± 0.01973	3.68 ± 0.10	21.27	1.50	0.84 ± 0.01
16D45122	10.4 %	0.775645	0.338	47.0086	0.294	1.367204	1.836	87.4802	0.078	289.5384	0.031	0.72847 ± 0.01789	3.56 ± 0.09	22.00	1.77	0.80 ± 0.00
16D45123	11.2 %	0.608435	0.352	35.0144	0.321	1.075188	2.295	70.8439	0.082	230.4702	0.039	0.75070 ± 0.01812	3.66 ± 0.09	23.07	1.43	0.87 ± 0.01
16D45124	12.2 %	1.203982	0.319	52.7203	0.283	1.680145	1.483	102.9077	0.075	433.3967	0.021	0.79108 ± 0.02220	3.86 ± 0.11	18.78	2.08	0.84 ± 0.00
16D45126	13.4 %	1.442603	0.318	74.2560	0.263	2.238644	1.097	141.8275	0.072	532.6935	0.018	0.78793 ± 0.01920	3.85 ± 0.09	20.97	2.87	0.82 ± 0.00
16D45127	14.6 %	1.001847	0.322	69.0519	0.266	2.144794	1.150	137.2899	0.072	397.3413	0.023	0.77389 ± 0.01400	3.78 ± 0.07	26.73	2.78	0.85 ± 0.00
16D45128	16.0 %	1.051261	0.315	93.9602	0.255	2.533121	0.986	161.9148	0.071	429.1699	0.021	0.77420 ± 0.01221	3.78 ± 0.06	29.20	3.28	0.74 ± 0.00
16D45130	17.6 %	1.013282	0.323	91.6669	0.257	2.380881	0.970	157.4839	0.071	416.1481	0.022	0.78351 ± 0.01240	3.82 ± 0.06	29.64	3.19	0.74 ± 0.00
16D45131	19.3 %	0.605904	0.348	53.4182	0.288	1.380820	1.788	91.7250	0.077	246.6673	0.036	0.77958 ± 0.01377	3.80 ± 0.07	28.98	1.86	0.74 ± 0.00
16D45133	21.0 %	0.339939	0.404	33.2633	0.336	0.755161	3.126	50.5190	0.093	137.1530	0.065	0.77485 ± 0.01653	3.78 ± 0.08	28.53	1.02	0.65 ± 0.00
Σ		15.394250	0.073	1703.8782	0.051	71.360092	0.216	4941.2321	0.012	8171.4768	0.007					

Information on Analysis and Constants Used in Calculations	Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (%,n)	K/Ca ± 2σ
Project = <b>MCCLAUGHRY (15-17)</b>	Age Plateau		0.75690 ± 0.00217	3.69 ± 0.01	4.20	56.84	1.28 ± 0.18
Sample = <b>173-DFWJ-15</b>	Error Mean		± 0.29%	± 0.39%	0%	23	
Material = <b>Groundmass</b>			Full External Error ± 0.08		1.60	2σ Confidence Limit	
Location = <b>Dufur</b>			Analytical Error ± 0.01		2.0505	Error Magnification	
Region = <b>Central Cordillera of ...</b>	Total Fusion Age		0.75664 ± 0.00138	3.69 ± 0.01		40	1.25 ± 0.00
Analyst = <b>Dan Miggins</b>			± 0.18%	± 0.32%			
Irradiation = <b>16-OSU-10 (10C12-16)</b>			Full External Error ± 0.08				
Position = <b>X: 0   Y: 0   Z/H: 21.88967 mm</b>			Analytical Error ± 0.01				
FCT-NM Age = <b>28.201 ± 0.023 Ma</b>	Normal Isochron	273.09 ± 10.19	0.79063 ± 0.01546	3.86 ± 0.08	2.43	56.84	
FCT-NM Reference = <b>Kuiper et al (2008)</b>	Error Chron	± 3.73%	± 1.95%	± 1.97%	0%	23	
FCT-NM 40Ar/39Ar Ratio = <b>5.81714 ± 0.00768</b>			Full External Error ± 0.12		1.62	2σ Confidence Limit	
FCT-NM J-value = <b>0.00270191 ± 0.00000357</b>			Analytical Error ± 0.08		1.5581	Error Magnification	
Air Shot 40Ar/36Ar = <b>305.7650 ± 0.4434</b>					10	Number of Iterations	
Air Shot MDF = <b>0.99159627 ± 0.00067214 (LIN)</b>					0.0000076124	Convergence	
Experiment Type = <b>Incremental Heating</b>	Inverse Isochron	273.03 ± 10.32	0.79080 ± 0.01555	3.86 ± 0.08	2.46	56.84	
Extraction Method = <b>Undefined</b>	Error Chron	± 3.78%	± 1.97%	± 1.98%	0%	23	
Heating = <b>77 sec</b>			Full External Error ± 0.12		1.62	2σ Confidence Limit	
Isolation = <b>3.00 min</b>			Analytical Error ± 0.08		1.5696	Error Magnification	
Instrument = <b>ARGUS-VI-D</b>					3	Number of Iterations	
Preferred Age = <b>Undefined</b>					0.0012670629	Convergence	
Age Classification = <b>Undefined</b>					7%	Spreading Factor	
IGSN = <b>15.6</b>							
Rock Class = <b>Undefined</b>							
Lithology = <b>Undefined</b>							
Lat-Lon = <b>Undefined - Undefined</b>							

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
16D45080	1.8 %		0.434631	25.2175	0.5747542	221.5253	163.3258	3.60 ± 0.02	55.82	4.48	3.78 ± 0.03
16D45082	1.9 %		0.387415	26.5598	0.5717806	207.9586	153.8864	3.61 ± 0.02	57.17	4.21	3.37 ± 0.03
16D45083	2.0 %	✓	0.324215	24.5546	0.4293216	179.6416	134.4859	3.65 ± 0.02	58.22	3.64	3.15 ± 0.03
16D45084	2.1 %	✓	0.232005	17.5936	0.3163994	130.2091	97.1856	3.64 ± 0.03	58.46	2.64	3.18 ± 0.03
16D45086	2.2 %	✓	0.293731	27.2180	0.4005761	173.4209	130.3380	3.67 ± 0.02	59.84	3.51	2.74 ± 0.02
16D45087	2.3 %	✓	0.227459	21.7362	0.2927215	135.4913	102.0825	3.68 ± 0.02	60.11	2.74	2.68 ± 0.02
16D45088	2.4 %	✓	0.242921	26.5633	0.3438632	147.4292	110.7427	3.67 ± 0.02	60.49	2.98	2.39 ± 0.02
16D45090	2.5 %	✓	0.218547	25.6520	0.2861472	136.5478	102.9205	3.68 ± 0.02	61.25	2.76	2.29 ± 0.02
16D45091	2.6 %	✓	0.204371	25.4156	0.2396171	127.3305	95.8665	3.67 ± 0.03	61.16	2.58	2.15 ± 0.02
16D45092	2.7 %	✓	0.127109	14.7503	0.1757616	78.6940	59.8313	3.71 ± 0.03	61.24	1.59	2.29 ± 0.03
16D45094	2.8 %	✓	0.125414	15.1326	0.1771908	77.6212	58.6905	3.69 ± 0.03	61.11	1.57	2.21 ± 0.03
16D45095	2.9 %	✓	0.166529	23.4479	0.2046498	108.0350	82.3327	3.72 ± 0.03	62.39	2.19	1.98 ± 0.02
16D45096	3.0 %	✓	0.178342	28.5268	0.1925786	118.7568	90.1146	3.70 ± 0.03	62.90	2.40	1.79 ± 0.01
16D45098	3.2 %	✓	0.181122	34.7204	0.2303383	125.3875	94.9464	3.70 ± 0.02	63.75	2.54	1.55 ± 0.01
16D45099	3.4 %	✓	0.168883	35.1700	0.1928087	120.7543	92.4963	3.74 ± 0.02	64.74	2.44	1.48 ± 0.01
16D45100	3.6 %	✓	0.127353	24.7396	0.1411476	86.9479	66.5945	3.74 ± 0.03	63.69	1.76	1.51 ± 0.01
16D45102	3.8 %	✓	0.122814	24.9830	0.1429819	85.2012	65.2523	3.74 ± 0.03	64.05	1.72	1.47 ± 0.01
16D45103	4.0 %	✓	0.146659	33.5432	0.1517701	102.9780	78.4687	3.72 ± 0.03	64.21	2.08	1.32 ± 0.01
16D45104	4.3 %	✓	0.168721	42.2211	0.1767679	122.0727	92.6821	3.71 ± 0.02	64.81	2.47	1.24 ± 0.01
16D45106	4.6 %	✓	0.150898	41.7600	0.1422611	113.9064	86.6579	3.71 ± 0.02	65.81	2.31	1.17 ± 0.01
16D45107	4.9 %	✓	0.183178	54.5359	0.1567523	138.0404	104.6907	3.70 ± 0.02	65.70	2.79	1.09 ± 0.01
16D45108	5.2 %	✓	0.164095	47.4982	0.1231503	120.1772	91.0601	3.70 ± 0.02	65.04	2.43	1.09 ± 0.01
16D45110	5.5 %	✓	0.162657	49.8636	0.1211568	121.2918	92.0501	3.70 ± 0.02	65.48	2.46	1.05 ± 0.01
16D45111	5.8 %	✓	0.174646	54.8195	0.1399847	128.4974	97.1877	3.69 ± 0.02	65.10	2.60	1.01 ± 0.01
16D45112	6.2 %	✓	0.180257	57.2228	0.1446365	129.5504	97.8320	3.69 ± 0.02	64.54	2.62	0.97 ± 0.01
16D45114	6.6 %		0.221691	67.8904	0.1563392	145.7000	108.0705	3.62 ± 0.02	62.06	2.95	0.92 ± 0.01
16D45115	7.0 %		0.192324	54.7780	0.1733615	115.7782	86.7944	3.66 ± 0.03	60.25	2.34	0.91 ± 0.01
16D45116	7.6 %		0.265070	71.4258	0.1713438	141.1081	105.2894	3.64 ± 0.03	57.17	2.86	0.85 ± 0.00
16D45118	8.2 %		0.253955	64.0991	0.1784407	122.8845	90.1408	3.58 ± 0.03	54.41	2.49	0.82 ± 0.00
16D45119	8.9 %		0.318283	53.8505	0.1646145	101.3873	74.5982	3.59 ± 0.04	44.13	2.05	0.81 ± 0.00
16D45120	9.6 %		0.698375	38.0290	0.1080078	74.1364	55.8222	3.68 ± 0.10	21.27	1.50	0.84 ± 0.01
16D45122	10.4 %		0.763115	47.0086	0.1691111	87.4484	63.7036	3.56 ± 0.09	22.00	1.77	0.80 ± 0.00
16D45123	11.2 %		0.599102	35.0144	0.1086633	70.8203	53.1647	3.66 ± 0.09	23.07	1.43	0.87 ± 0.01
16D45124	12.2 %		1.189927	52.7203	0.2163086	102.8720	81.3801	3.86 ± 0.11	18.78	2.08	0.84 ± 0.00
16D45126	13.4 %		1.422809	74.2560	0.2616660	141.7773	111.7113	3.85 ± 0.09	20.97	2.87	0.82 ± 0.00
16D45127	14.6 %		0.983436	69.0519	0.3048580	137.2433	106.2112	3.78 ± 0.07	26.73	2.78	0.85 ± 0.00
16D45128	16.0 %		1.026211	93.9602	0.3873431	161.8513	125.3057	3.78 ± 0.06	29.20	3.28	0.74 ± 0.00
16D45130	17.6 %		0.988850	91.6669	0.2955398	157.4220	123.3410	3.82 ± 0.06	29.64	3.19	0.74 ± 0.00
16D45131	19.3 %		0.591667	53.4182	0.1632933	91.6889	71.4792	3.80 ± 0.07	28.98	1.86	0.74 ± 0.00
16D45133	21.0 %		0.331075	33.2633	0.0833708	50.4966	39.1272	3.78 ± 0.08	28.53	1.02	0.65 ± 0.00

Σ 14.939862 1703.8782 9.0113795 4940.0810 3737.8615

Information on Analysis	Results	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (% <sub>n</sub> )	K/Ca ± 2σ
Project = MCCLAUGHRY (15-17) Sample = 173-DFWJ-15 Material = Groundmass Location = Dufur Region = Central Cordillera of ... Analyst = Dan Miggins Irradiation = 16-OSU-10 (10C12-16) J = 0.00270191 ± 0.00000357 FCT-NM = 28.201 ± 0.023 Ma	Age Plateau	0.75690 ± 0.00217	3.69 ± 0.01	4.20	56.84	1.28 ± 0.18
	Error Mean	± 0.29%	± 0.39%	0%	23	
			Full External Error ± 0.08 Analytical Error ± 0.01	1.60 2.0505	2σ Confidence Limit Error Magnification	
	Total Fusion Age	0.75664 ± 0.00138 ± 0.18%	3.69 ± 0.01 ± 0.32%		40	1.25 ± 0.00
			Full External Error ± 0.08 Analytical Error ± 0.01			

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
16D45080	1.8 %		509.69 ± 4.05	671.28 ± 5.27	0.9813
16D45082	1.9 %		536.78 ± 4.46	692.71 ± 5.69	0.9823
16D45083	2.0 %	✓	554.08 ± 4.43	710.30 ± 5.61	0.9795
16D45084	2.1 %	✓	561.23 ± 5.30	714.39 ± 6.71	0.9817
16D45086	2.2 %	✓	590.41 ± 5.27	739.23 ± 6.54	0.9828
16D45087	2.3 %	✓	595.67 ± 5.68	744.30 ± 7.06	0.9822
16D45088	2.4 %	✓	606.90 ± 5.76	751.38 ± 7.09	0.9832
16D45090	2.5 %	✓	624.80 ± 6.10	766.43 ± 7.44	0.9829
16D45091	2.6 %	✓	623.04 ± 6.51	764.58 ± 7.96	0.9843
16D45092	2.7 %	✓	619.11 ± 7.70	766.21 ± 9.56	0.9812
16D45094	2.8 %	✓	618.92 ± 8.03	763.47 ± 9.93	0.9824
16D45095	2.9 %	✓	648.75 ± 6.96	789.90 ± 8.46	0.9825
16D45096	3.0 %	✓	665.89 ± 7.38	800.79 ± 8.85	0.9850
16D45098	3.2 %	✓	692.28 ± 7.10	819.71 ± 8.38	0.9829
16D45099	3.4 %	✓	715.02 ± 7.97	843.19 ± 9.38	0.9850
16D45100	3.6 %	✓	682.73 ± 8.74	818.41 ± 10.50	0.9841
16D45102	3.8 %	✓	693.74 ± 9.33	826.81 ± 11.14	0.9852
16D45103	4.0 %	✓	702.16 ± 8.47	830.54 ± 10.01	0.9850
16D45104	4.3 %	✓	723.52 ± 8.03	844.82 ± 9.36	0.9850
16D45106	4.6 %	✓	754.86 ± 8.78	869.78 ± 10.10	0.9851
16D45107	4.9 %	✓	753.58 ± 8.19	867.02 ± 9.39	0.9858
16D45108	5.2 %	✓	732.36 ± 8.53	850.42 ± 9.89	0.9860
16D45110	5.5 %	✓	745.69 ± 8.86	861.42 ± 10.22	0.9866
16D45111	5.8 %	✓	735.76 ± 7.91	851.98 ± 9.14	0.9845
16D45112	6.2 %	✓	718.70 ± 7.78	838.24 ± 9.05	0.9851
16D45114	6.6 %		657.22 ± 6.30	782.98 ± 7.46	0.9830
16D45115	7.0 %		602.00 ± 6.50	746.79 ± 8.04	0.9841
16D45116	7.6 %		532.34 ± 5.10	692.71 ± 6.60	0.9835
16D45118	8.2 %		483.88 ± 4.73	650.45 ± 6.33	0.9826
16D45119	8.9 %		318.54 ± 2.75	529.88 ± 4.55	0.9773
16D45120	9.6 %		106.16 ± 0.76	375.43 ± 2.65	0.9696
16D45122	10.4 %		114.59 ± 0.81	378.98 ± 2.62	0.9715
16D45123	11.2 %		118.21 ± 0.87	384.24 ± 2.77	0.9688
16D45124	12.2 %		86.45 ± 0.57	363.89 ± 2.36	0.9721
16D45126	13.4 %		99.65 ± 0.66	374.01 ± 2.42	0.9747
16D45127	14.6 %		139.55 ± 0.94	403.50 ± 2.65	0.9739
16D45128	16.0 %		157.72 ± 1.04	417.61 ± 2.70	0.9745
16D45130	17.6 %		159.20 ± 1.08	420.23 ± 2.79	0.9753
16D45131	19.3 %		154.97 ± 1.13	416.31 ± 2.98	0.9725
16D45133	21.0 %		152.52 ± 1.30	413.68 ± 3.48	0.9643

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	273.09 ± 10.19	0.79063 ± 0.01546	3.86 ± 0.08	2.43
Error Chron	± 3.73%	± 1.95%	± 1.97%	0%
			Full External Error ± 0.12	
			Analytical Error ± 0.08	
Statistics	2σ Confidence Limit	1.62	Convergence	0.000007612403
	Error Magnification	1.5581	Number of Iterations	10
	Number of Data Points	23	Calculated Line	Weighted York-2

Inverse Isochron		39(k)/40(a+r) ± 2σ		36(a)/40(a+r) ± 2σ	r.i.
16D45080	1.8 %		0.7592741 ± 0.0011633	0.00148969 ± 0.00001170	0.0336
16D45082	1.9 %		0.7749017 ± 0.0012071	0.00144360 ± 0.00001185	0.0368
16D45083	2.0 %	✓	0.7800622 ± 0.0012578	0.00140785 ± 0.00001112	0.0481
16D45084	2.1 %	✓	0.7856078 ± 0.0014150	0.00139979 ± 0.00001314	0.0678
16D45086	2.2 %	✓	0.7986762 ± 0.0013157	0.00135275 ± 0.00001197	0.0486
16D45087	2.3 %	✓	0.8003193 ± 0.0014373	0.00134355 ± 0.00001275	0.0653
16D45088	2.4 %	✓	0.8077167 ± 0.0014023	0.00133089 ± 0.00001256	0.0593
16D45090	2.5 %	✓	0.8152054 ± 0.0014666	0.00130475 ± 0.00001267	0.0654
16D45091	2.6 %	✓	0.8148737 ± 0.0015086	0.00130790 ± 0.00001362	0.0674
16D45092	2.7 %	✓	0.8080137 ± 0.0019529	0.00130513 ± 0.00001628	0.1093
16D45094	2.8 %	✓	0.8106634 ± 0.0019741	0.00130980 ± 0.00001703	0.1057
16D45095	2.9 %	✓	0.8212969 ± 0.0016442	0.00126598 ± 0.00001355	0.0844
16D45096	3.0 %	✓	0.8315441 ± 0.0015952	0.00124877 ± 0.00001380	0.0728
16D45098	3.2 %	✓	0.8445427 ± 0.0015983	0.00121994 ± 0.00001248	0.0749
16D45099	3.4 %	✓	0.8479864 ± 0.0016386	0.00118597 ± 0.00001320	0.0738
16D45100	3.6 %	✓	0.8342134 ± 0.0019084	0.00122188 ± 0.00001567	0.0980
16D45102	3.8 %	✓	0.8390575 ± 0.0019452	0.00120947 ± 0.00001630	0.0955
16D45103	4.0 %	✓	0.8454242 ± 0.0017645	0.00120403 ± 0.00001451	0.0839
16D45104	4.3 %	✓	0.8564155 ± 0.0016472	0.00118368 ± 0.00001311	0.0728
16D45106	4.6 %	✓	0.8678704 ± 0.0017381	0.00114971 ± 0.00001335	0.0791
16D45107	4.9 %	✓	0.8691626 ± 0.0015909	0.00115337 ± 0.00001250	0.0634
16D45108	5.2 %	✓	0.8611760 ± 0.0016769	0.00117589 ± 0.00001367	0.0716
16D45110	5.5 %	✓	0.8656573 ± 0.0016801	0.00116088 ± 0.00001377	0.0709
16D45111	5.8 %	✓	0.8635833 ± 0.0016313	0.00117373 ± 0.00001259	0.0715
16D45112	6.2 %	✓	0.8573937 ± 0.0016026	0.00119298 ± 0.00001288	0.0684
16D45114	6.6 %		0.8393816 ± 0.0014793	0.00127717 ± 0.00001217	0.0625
16D45115	7.0 %		0.8061081 ± 0.0015492	0.00133906 ± 0.00001442	0.0738
16D45116	7.6 %		0.7684894 ± 0.0013344	0.00144360 ± 0.00001375	0.0583
16D45118	8.2 %		0.7439221 ± 0.0013538	0.00153740 ± 0.00001496	0.0667
16D45119	8.9 %		0.6011667 ± 0.0011049	0.00188723 ± 0.00001619	0.0702
16D45120	9.6 %		0.2827561 ± 0.0004986	0.00266360 ± 0.00001878	0.0373
16D45122	10.4 %		0.3023762 ± 0.0005059	0.00263867 ± 0.00001822	0.0333
16D45123	11.2 %		0.3076474 ± 0.0005609	0.00260254 ± 0.00001874	0.0461
16D45124	12.2 %		0.2375779 ± 0.0003697	0.00274808 ± 0.00001780	0.0179
16D45126	13.4 %		0.2664229 ± 0.0003937	0.00267369 ± 0.00001727	0.0133
16D45127	14.6 %		0.3458607 ± 0.0005269	0.00247831 ± 0.00001629	0.0221
16D45128	16.0 %		0.3776709 ± 0.0005606	0.00239461 ± 0.00001551	0.0193
16D45130	17.6 %		0.3788314 ± 0.0005674	0.00237964 ± 0.00001579	0.0201
16D45131	19.3 %		0.3722397 ± 0.0006322	0.00240206 ± 0.00001719	0.0430
16D45133	21.0 %		0.3686958 ± 0.0008341	0.00241732 ± 0.00002032	0.0884

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	273.03 ± 10.32	0.79080 ± 0.01555	3.86 ± 0.08	2.46
Error Chron	± 3.78%	± 1.97%	± 1.98%	0%
Full External Error ± 0.12 Analytical Error ± 0.08				
Statistics	2σ Confidence Limit	1.62	Convergence	0.0012670629
	Error Magnification	1.5696	Number of Iterations	3
	Number of Data Points	23	Calculated Line	Weighted York-2
	Spreading Factor	7.0%		

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
16D45080	1.8 %	0.434631	0.39	0.0000000	0.00	0.0067154	0.41	0.0000410	4.46	25.2175	0.38	0.0812326	0.39	0.0000000	0.00	2.665171	0.17	0.0018106	12.83	0.5747542	4.55	221.5253	0.07	0.0170370	1.37	163.3258	0.31	128.4335	0.39	0.0000000	0.00	0.846891	2.66
16D45082	1.9 %	0.387415	0.41	0.0000000	0.00	0.0070729	0.41	0.0000408	4.36	26.5598	0.38	0.0724079	0.41	0.0000000	0.00	2.501950	0.17	0.0019070	12.83	0.5717806	4.45	207.9586	0.07	0.0179438	1.37	153.8864	0.31	114.4813	0.41	0.0000000	0.00	0.795026	2.66
16D45083	2.0 %	0.324215	0.39	0.0000000	0.00	0.0065389	0.43	0.0000306	6.07	24.5546	0.40	0.0605958	0.39	0.0000000	0.00	2.161269	0.17	0.0017630	12.83	0.4293216	6.14	179.6416	0.07	0.0165891	1.38	134.4859	0.29	95.8056	0.39	0.0000000	0.00	0.686770	2.66
16D45084	2.1 %	0.232005	0.47	0.0000000	0.00	0.0046852	0.53	0.0000226	7.94	17.5936	0.50	0.0433618	0.47	0.0000000	0.00	1.566546	0.18	0.0012632	12.83	0.3163994	8.00	130.2091	0.07	0.0118862	1.41	97.1856	0.34	68.5575	0.47	0.0000000	0.00	0.497789	2.66
16D45086	2.2 %	0.293731	0.44	0.0000000	0.00	0.0072482	0.40	0.0000286	6.52	27.2180	0.37	0.0548983	0.44	0.0000000	0.00	2.086427	0.17	0.0019543	12.83	0.4005761	6.58	173.4209	0.07	0.0183885	1.37	130.3380	0.30	86.7974	0.44	0.0000000	0.00	0.662988	2.66
16D45087	2.3 %	0.227459	0.47	0.0000000	0.00	0.0057884	0.45	0.0000209	8.04	21.7362	0.43	0.0425120	0.47	0.0000000	0.00	1.630096	0.18	0.0015607	12.83	0.2927215	8.09	135.4913	0.07	0.0146850	1.39	102.0825	0.32	67.2140	0.47	0.0000000	0.00	0.517983	2.66
16D45088	2.4 %	0.242921	0.47	0.0000000	0.00	0.0070738	0.41	0.0000245	7.13	26.5633	0.38	0.0454019	0.47	0.0000000	0.00	1.773720	0.18	0.0019072	12.83	0.3438632	7.19	147.4292	0.07	0.0179461	1.37	110.7427	0.31	71.7832	0.47	0.0000000	0.00	0.563622	2.66
16D45090	2.5 %	0.218547	0.48	0.0000000	0.00	0.0068311	0.42	0.0000204	8.48	25.6520	0.39	0.0408464	0.48	0.0000000	0.00	1.642807	0.18	0.0018418	12.83	0.2861472	8.53	136.5478	0.07	0.0173305	1.38	102.9205	0.32	64.5806	0.48	0.0000000	0.00	0.522022	2.66
16D45091	2.6 %	0.204371	0.52	0.0000000	0.00	0.0067682	0.42	0.0000171	9.82	25.4156	0.40	0.0381969	0.52	0.0000000	0.00	1.531914	0.18	0.0018248	12.83	0.2396171	9.87	127.3305	0.07	0.0171708	1.38	95.8665	0.34	60.3915	0.52	0.0000000	0.00	0.486785	2.66
16D45092	2.7 %	0.127109	0.62	0.0000000	0.00	0.0039280	0.61	0.0000126	13.65	14.7503	0.59	0.0237567	0.62	0.0000000	0.00	0.946768	0.18	0.0010591	12.83	0.1757616	13.69	78.6940	0.08	0.0099653	1.44	59.8313	0.41	37.5607	0.62	0.0000000	0.00	0.300847	2.66
16D45094	2.8 %	0.125414	0.64	0.0000000	0.00	0.0040298	0.59	0.0000127	14.34	15.1326	0.57	0.0234398	0.64	0.0000000	0.00	0.933861	0.18	0.0010865	12.83	0.1771908	14.37	77.6212	0.08	0.0102236	1.44	58.6905	0.43	37.0598	0.64	0.0000000	0.00	0.296746	2.66
16D45095	2.9 %	0.166529	0.53	0.0000000	0.00	0.0062442	0.43	0.0000146	11.97	23.4479	0.40	0.0311242	0.53	0.0000000	0.00	1.299769	0.18	0.0016836	12.83	0.2046498	12.00	108.0350	0.07	0.0158414	1.38	82.3327	0.34	49.2093	0.53	0.0000000	0.00	0.413018	2.66
16D45096	3.0 %	0.178342	0.55	0.0000000	0.00	0.0075967	0.39	0.0000138	12.89	28.5268	0.36	0.0333322	0.55	0.0000000	0.00	1.428763	0.18	0.0020482	12.83	0.1925786	12.92	118.7568	0.07	0.0192727	1.37	90.1146	0.34	52.7002	0.55	0.0000000	0.00	0.454007	2.66
16D45098	3.2 %	0.181122	0.51	0.0000000	0.00	0.0092460	0.36	0.0000165	10.67	34.7204	0.33	0.0338516	0.51	0.0000000	0.00	1.508537	0.18	0.0024929	12.82	0.2303383	10.71	125.3875	0.07	0.0234571	1.36	94.9464	0.30	53.5215	0.51	0.0000000	0.00	0.479356	2.66
16D45099	3.4 %	0.168883	0.55	0.0000000	0.00	0.0093658	0.37	0.0000138	13.00	35.1700	0.33	0.0315642	0.55	0.0000000	0.00	1.452795	0.18	0.0025252	12.82	0.1928087	13.04	120.7543	0.07	0.0237608	1.36	92.4963	0.31	49.9049	0.55	0.0000000	0.00	0.461644	2.66
16D45100	3.6 %	0.127353	0.64	0.0000000	0.00	0.0065881	0.42	0.0000101	17.32	24.7396	0.39	0.0238023	0.64	0.0000000	0.00	1.046070	0.18	0.0017763	12.83	0.1411476	17.35	86.9479	0.08	0.0167140	1.38	66.5945	0.38	37.6329	0.64	0.0000000	0.00	0.332402	2.66
16D45102	3.8 %	0.122814	0.67	0.0000000	0.00	0.0066530	0.42	0.0000102	17.36	24.9830	0.40	0.0229540	0.67	0.0000000	0.00	1.025056	0.18	0.0017938	12.83	0.1429819	17.38	85.2012	0.08	0.0168785	1.38	65.2523	0.40	36.2916	0.67	0.0000000	0.00	0.325724	2.66
16D45103	4.0 %	0.146659	0.60	0.0000000	0.00	0.0089325	0.37	0.0000109	16.34	33.5432	0.34	0.0274105	0.60	0.0000000	0.00	1.238928	0.18	0.0024084	12.82	0.1517701	16.37	102.9780	0.07	0.0226618	1.36	78.4687	0.35	43.3376	0.60	0.0000000	0.00	0.393685	2.66
16D45104	4.3 %	0.168721	0.55	0.0000000	0.00	0.0112435	0.34	0.0000126	14.33	42.2211	0.30	0.0315339	0.55	0.0000000	0.00	1.468656	0.18	0.0030315	12.82	0.1767679	14.36	122.0727	0.07	0.0285246	1.35	92.6821	0.31	49.8570	0.55	0.0000000	0.00	0.466684	2.66
16D45106	4.6 %	0.150898	0.58	0.0000000	0.00	0.0111207	0.34	0.0000102	17.49	41.7600	0.31	0.0282028	0.58	0.0000000	0.00	1.370408	0.18	0.0029984	12.82	0.1422611	17.52	113.9064	0.07	0.0282130	1.36	86.6579	0.31	44.5903	0.58	0.0000000	0.00	0.435464	2.66
16D45107	4.9 %	0.183178	0.54	0.0000000	0.00	0.0145229	0.32	0.0000112	15.83	54.5359	0.28	0.0342360	0.54	0.0000000	0.00	1.660764	0.18	0.0039157	12.82	0.1567523	15.86	138.0404	0.07	0.0368445	1.35	104.6907	0.29	54.1292	0.54	0.0000000	0.00	0.527728	2.66
16D45108	5.2 %	0.164095	0.58	0.0000000	0.00	0.0126488	0.33	0.0000088	19.58	47.4982	0.29	0.0306693	0.58	0.0000000	0.00	1.445852	0.18	0.0034104	12.82	0.1231503	19.61	120.1772	0.07	0.0320898	1.35	91.0601	0.32	48.4900	0.58	0.0000000	0.00	0.459437	2.66
16D45110	5.5 %	0.162657	0.59	0.0000000	0.00	0.0132787	0.32	0.0000087	19.72	49.8636	0.29	0.0304005	0.59	0.0000000	0.00	1.459261	0.18	0.0035802	12.82	0.1211568	19.74	121.2918	0.07	0.0336878	1.35	92.0501	0.32	48.0651	0.59	0.0000000	0.00	0.463698	2.66
16D45111	5.8 %	0.174646	0.53	0.0000000	0.00	0.0145984	0.32	0.0000100	17.57	54.8195	0.28	0.0326413	0.53	0.0000000	0.00	1.545952	0.18	0.0039360	12.82	0.1399847	17.59	128.4974	0.07	0.0370361	1.35	97.1877	0.30	51.6079	0.53	0.0000000	0.00	0.491245	2.66
16D45112	6.2 %	0.180257	0.54	0.0000000	0.00	0.0152384	0.32	0.0000104	16.08	57.2228	0.28	0.0336900	0.54	0.0000000	0.00	1.558621	0.18	0.0041086	12.82	0.1446365	16.11	129.5504	0.07	0.0386597	1.35	97.8320	0.31	53.2659	0.54	0.0000000	0.00	0.495271	2.66
16D45114	6.6 %	0.221691	0.47	0.0000000	0.00	0.0180792	0.31	0.0000112	15.70	67.8904	0.27	0.0414340	0.47	0.0000000	0.00	1.752917	0.18	0.0048745	12.82	0.1563392	15.73	145.7000	0.07	0.0458668	1.35	108.0705	0.30	65.5097	0.47	0.0000000	0.00	0.557011	2.66
16D45115	7.0 %	0.192324	0.53	0.0000000	0.00	0.0145874	0.32	0.0000124	14.26	54.7780	0.28	0.0359453	0.53	0.0000000	0.00	1.392927	0.18	0.0039331	12.82	0.1733615	14.29	115.7782	0.07	0.0370080	1.35	86.7944	0.36	56.8317	0.53	0.0000000	0.00	0.442620	2.66
16D45116	7.6 %	0.265070	0.47	0.0000000	0.00	0.0190207	0.30	0.0000123	13.80	71.4258	0.26	0.0495415	0.47	0.0000000	0.00	1.697672	0.18	0.0051284	12.82	0.1713438	13.83	141.1081	0.07	0.0482553	1.35	105.2894	0.36	78.3281	0.47	0.0000000	0.00	0.539456	2.66
16D45118	8.2 %	0.253955	0.48	0.0000000	0.00	0.0170696	0.31	0.0000128	14.05	64.0991	0.27	0.0474643	0.48	0.0000000	0.00	1.478424	0.18	0.0046023	12.82	0.1784407	14.08	122.8845	0.07	0.0433054	1.35	90.1408	0.41	75.0438	0.48	0.0000000	0.00	0.469787	2.66
16D45119	8.9 %	0.318283	0.43	0.0000000	0.00	0.0143404	0.32	0.0000118	14.58	53.8505	0.28	0.0594871	0.43	0.0000000	0.00	1.219791	0.18	0.0038665	12.82	0.1646145	14.61	101.3873	0.08	0.0363814	1.35	74.5982	0.55	94.0527	0.43	0.0000000	0.00	0.387604	2.66
16D45120	9.6 %	0.698375	0.35	0.0000000	0.00	0.0101271	0.35	0.0000077	22.15	38.0290	0.32	0.1305263	0.35	0.0000000	0.00	0.891935	0.18	0.0027305	12.82	0.1080078	22.17	74.1364	0.08	0.0256924	1.36	55.8222	1.31	2					

Additional Parameters			40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
16D45080	1.8 %		1.320769	0.001006	0.113827	0.000437	0.001992	0.000008	43.890	2.414066	1.00031489	1.405E-11
16D45082	1.9 %		1.294198	0.001002	0.127706	0.000494	0.001897	0.000008	43.903	2.414728	1.00031499	1.292E-11
16D45083	2.0 %	✓	1.285653	0.001031	0.136674	0.000561	0.001841	0.000007	43.910	2.415059	1.00031504	1.109E-11
16D45084	2.1 %	✓	1.276606	0.001144	0.135106	0.000687	0.001818	0.000008	43.917	2.415390	1.00031509	7.980E-12
16D45086	2.2 %	✓	1.255762	0.001028	0.156931	0.000592	0.001736	0.000008	43.931	2.416053	1.00031518	1.045E-11
16D45087	2.3 %	✓	1.253188	0.001119	0.160408	0.000698	0.001721	0.000008	43.938	2.416385	1.00031523	8.151E-12
16D45088	2.4 %	✓	1.241730	0.001072	0.180155	0.000692	0.001696	0.000008	43.945	2.416716	1.00031528	8.788E-12
16D45090	2.5 %	✓	1.230351	0.001101	0.187837	0.000742	0.001650	0.000008	43.959	2.417379	1.00031538	8.065E-12
16D45091	2.6 %	✓	1.230841	0.001133	0.199577	0.000803	0.001658	0.000008	43.966	2.417711	1.00031543	7.524E-12
16D45092	2.7 %	✓	1.241269	0.001494	0.187415	0.001112	0.001665	0.000010	43.973	2.418042	1.00031548	4.689E-12
16D45094	2.8 %	✓	1.237218	0.001500	0.194929	0.001117	0.001668	0.000010	43.987	2.418706	1.00031558	4.610E-12
16D45095	2.9 %	✓	1.221230	0.001216	0.217008	0.000884	0.001599	0.000008	43.994	2.419038	1.00031562	6.334E-12
16D45096	3.0 %	✓	1.206209	0.001151	0.240173	0.000888	0.001566	0.000008	44.001	2.419369	1.00031567	6.877E-12
16D45098	3.2 %	✓	1.187674	0.001118	0.276853	0.000925	0.001518	0.000007	44.015	2.420033	1.00031577	7.149E-12
16D45099	3.4 %	✓	1.182854	0.001137	0.291195	0.000995	0.001476	0.000008	44.022	2.420365	1.00031582	6.857E-12
16D45100	3.6 %	✓	1.202326	0.001369	0.284479	0.001142	0.001540	0.000009	44.028	2.420697	1.00031587	5.019E-12
16D45102	3.8 %	✓	1.195400	0.001379	0.293165	0.001185	0.001519	0.000010	44.042	2.421361	1.00031597	4.890E-12
16D45103	4.0 %	✓	1.186400	0.001232	0.325660	0.001119	0.001511	0.000009	44.049	2.421694	1.00031602	5.866E-12
16D45104	4.3 %	✓	1.171207	0.001120	0.345788	0.001079	0.001474	0.000008	44.056	2.422026	1.00031607	6.864E-12
16D45106	4.6 %	✓	1.155782	0.001151	0.366526	0.001156	0.001422	0.000008	44.070	2.422690	1.00031616	6.321E-12
16D45107	4.9 %	✓	1.154048	0.001050	0.394967	0.001143	0.001432	0.000007	44.077	2.423023	1.00031621	7.649E-12
16D45108	5.2 %	✓	1.164715	0.001128	0.395130	0.001186	0.001470	0.000008	44.084	2.423355	1.00031626	6.720E-12
16D45110	5.5 %	✓	1.158693	0.001118	0.410990	0.001213	0.001450	0.000008	44.098	2.424020	1.00031636	6.748E-12
16D45111	5.8 %	✓	1.161454	0.001091	0.426497	0.001233	0.001472	0.000007	44.105	2.424352	1.00031641	7.166E-12
16D45112	6.2 %	✓	1.169799	0.001087	0.441571	0.001267	0.001509	0.000008	44.112	2.424685	1.00031646	7.276E-12
16D45114	6.6 %		1.194800	0.001047	0.465814	0.001296	0.001645	0.000007	44.126	2.425350	1.00031656	8.359E-12
16D45115	7.0 %		1.243954	0.001189	0.472978	0.001376	0.001787	0.000009	44.133	2.425683	1.00031660	6.915E-12
16D45116	7.6 %		1.304631	0.001127	0.506005	0.001387	0.002013	0.000009	44.140	2.426016	1.00031665	8.840E-12
16D45118	8.2 %		1.347575	0.001220	0.521437	0.001464	0.002205	0.000010	44.153	2.426681	1.00031675	7.951E-12
16D45119	8.9 %		1.666657	0.001527	0.530946	0.001550	0.003280	0.000014	44.160	2.427014	1.00031680	8.114E-12
16D45120	9.6 %		3.539213	0.003118	0.512782	0.001692	0.009554	0.000034	44.167	2.427347	1.00031685	1.260E-11
16D45122	10.4 %		3.309760	0.002765	0.537363	0.001636	0.008867	0.000031	44.182	2.428046	1.00031695	1.390E-11
16D45123	11.2 %		3.253211	0.002962	0.494247	0.001636	0.008588	0.000031	44.189	2.428380	1.00031700	1.106E-11
16D45124	12.2 %		4.211511	0.003274	0.512306	0.001502	0.011700	0.000038	44.196	2.428713	1.00031705	2.080E-11
16D45126	13.4 %		3.755926	0.002772	0.523566	0.001425	0.010172	0.000033	44.210	2.429379	1.00031715	2.557E-11
16D45127	14.6 %		2.894177	0.002201	0.502964	0.001386	0.007297	0.000024	44.217	2.429712	1.00031720	1.907E-11
16D45128	16.0 %		2.650591	0.001963	0.580307	0.001537	0.006493	0.000021	44.224	2.430046	1.00031725	2.060E-11
16D45130	17.6 %		2.642480	0.001975	0.582071	0.001551	0.006434	0.000021	44.238	2.430712	1.00031734	1.998E-11
16D45131	19.3 %		2.689205	0.002280	0.582374	0.001735	0.006606	0.000024	44.244	2.431046	1.00031739	1.184E-11
16D45133	21.0 %		2.714878	0.003067	0.658431	0.002293	0.006729	0.000028	44.258	2.431713	1.00031749	6.583E-12

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
16D45080	1.8 %	0.0064687 ± 0.0003710	0.0154527 ± 0.0246918	0.0223749 ± 0.0168246	0.0297596 ± 0.0250639	1.8213343 ± 0.0845392
16D45082	1.9 %	0.0064787 ± 0.0003710	0.0243799 ± 0.0246918	0.0154252 ± 0.0168246	0.0024656 ± 0.0250639	1.8427281 ± 0.0845392
16D45083	2.0 %	0.0065123 ± 0.0003710	0.0274259 ± 0.0246918	0.0123532 ± 0.0168246	0.0079949 ± 0.0250639	1.8622056 ± 0.0845392
16D45084	2.1 %	0.0065612 ± 0.0003710	0.0296423 ± 0.0246918	0.0095329 ± 0.0168246	0.0165375 ± 0.0250639	1.8861547 ± 0.0845392
16D45086	2.2 %	0.0066937 ± 0.0003710	0.0319124 ± 0.0246918	0.0045984 ± 0.0168246	0.0284656 ± 0.0250639	1.9436718 ± 0.0845392
16D45087	2.3 %	0.0067722 ± 0.0003710	0.0321204 ± 0.0246918	0.0024607 ± 0.0168246	0.0321402 ± 0.0250639	1.9754881 ± 0.0845392
16D45088	2.4 %	0.0068559 ± 0.0003710	0.0318074 ± 0.0246918	0.0005271 ± 0.0168246	0.0344749 ± 0.0250639	2.0082726 ± 0.0845392
16D45090	2.5 %	0.0070301 ± 0.0003710	0.0298891 ± 0.0246918	0.0027714 ± 0.0168246	0.0356613 ± 0.0250639	2.0738858 ± 0.0845392
16D45091	2.6 %	0.0071169 ± 0.0003710	0.0284104 ± 0.0246918	0.0041580 ± 0.0168246	0.0347721 ± 0.0250639	2.1054305 ± 0.0845392
16D45092	2.7 %	0.0072012 ± 0.0003710	0.0266641 ± 0.0246918	0.0053832 ± 0.0168246	0.0330610 ± 0.0250639	2.1353755 ± 0.0845392
16D45094	2.8 %	0.0073565 ± 0.0003710	0.0225837 ± 0.0246918	0.0073895 ± 0.0168246	0.0276503 ± 0.0250639	2.1885413 ± 0.0845392
16D45095	2.9 %	0.0074249 ± 0.0003710	0.0203486 ± 0.0246918	0.0081898 ± 0.0168246	0.0241796 ± 0.0250639	2.2109460 ± 0.0845392
16D45096	3.0 %	0.0074858 ± 0.0003710	0.0180437 ± 0.0246918	0.0088673 ± 0.0168246	0.0203452 ± 0.0250639	2.2301185 ± 0.0845392
16D45098	3.2 %	0.0075815 ± 0.0003710	0.0133848 ± 0.0246918	0.0098891 ± 0.0168246	0.0120020 ± 0.0250639	2.2577776 ± 0.0845392
16D45099	3.4 %	0.0076150 ± 0.0003710	0.0111020 ± 0.0246918	0.0102505 ± 0.0168246	0.0076924 ± 0.0250639	2.2659157 ± 0.0845392
16D45100	3.6 %	0.0076384 ± 0.0003710	0.0088922 ± 0.0246918	0.0105230 ± 0.0168246	0.0034171 ± 0.0250639	2.2701247 ± 0.0845392
16D45102	3.8 %	0.0076538 ± 0.0003710	0.0047958 ± 0.0246918	0.0108324 ± 0.0168246	0.0046732 ± 0.0250639	2.2667014 ± 0.0845392
16D45103	4.0 %	0.0076459 ± 0.0003710	0.0029529 ± 0.0246918	0.0108841 ± 0.0168246	0.0083192 ± 0.0250639	2.2591884 ± 0.0845392
16D45104	4.3 %	0.0076277 ± 0.0003710	0.0012703 ± 0.0246918	0.0108764 ± 0.0168246	0.0115926 ± 0.0250639	2.2479848 ± 0.0845392
16D45106	4.6 %	0.0075624 ± 0.0003710	0.0015650 ± 0.0246918	0.0107096 ± 0.0168246	0.0167246 ± 0.0250639	2.2153874 ± 0.0845392
16D45107	4.9 %	0.0075165 ± 0.0003710	0.0027017 ± 0.0246918	0.0105631 ± 0.0168246	0.0184442 ± 0.0250639	2.1945807 ± 0.0845392
16D45108	5.2 %	0.0074628 ± 0.0003710	0.0036462 ± 0.0246918	0.0103822 ± 0.0168246	0.0195129 ± 0.0250639	2.1712574 ± 0.0845392
16D45110	5.5 %	0.0073361 ± 0.0003710	0.0049646 ± 0.0246918	0.0099398 ± 0.0168246	0.0194608 ± 0.0250639	2.1188781 ± 0.0845392
16D45111	5.8 %	0.0072657 ± 0.0003710	0.0053501 ± 0.0246918	0.0096885 ± 0.0168246	0.0182309 ± 0.0250639	2.0908769 ± 0.0845392
16D45112	6.2 %	0.0071924 ± 0.0003710	0.0055668 ± 0.0246918	0.0094235 ± 0.0168246	0.0161319 ± 0.0250639	2.0624687 ± 0.0845392
16D45114	6.6 %	0.0070440 ± 0.0003710	0.0055549 ± 0.0246918	0.0088701 ± 0.0168246	0.0091495 ± 0.0250639	2.0071836 ± 0.0845392
16D45115	7.0 %	0.0069726 ± 0.0003710	0.0053657 ± 0.0246918	0.0085897 ± 0.0168246	0.0041870 ± 0.0250639	1.9818292 ± 0.0845392
16D45116	7.6 %	0.0069058 ± 0.0003710	0.0050862 ± 0.0246918	0.0083118 ± 0.0168246	0.0018029 ± 0.0250639	1.9591128 ± 0.0845392
16D45118	8.2 %	0.0067952 ± 0.0003710	0.0043732 ± 0.0246918	0.0077764 ± 0.0168246	0.0169821 ± 0.0250639	1.9252818 ± 0.0845392
16D45119	8.9 %	0.0067564 ± 0.0003710	0.0040067 ± 0.0246918	0.0075247 ± 0.0168246	0.0262205 ± 0.0250639	1.9161575 ± 0.0845392
16D45120	9.6 %	0.0067321 ± 0.0003710	0.0036840 ± 0.0246918	0.0072872 ± 0.0168246	0.0365847 ± 0.0250639	1.9136515 ± 0.0845392
16D45122	10.4 %	0.0067415 ± 0.0003710	0.0033404 ± 0.0246918	0.0068437 ± 0.0168246	0.0620769 ± 0.0250639	1.9350805 ± 0.0845392
16D45123	11.2 %	0.0067814 ± 0.0003710	0.0034365 ± 0.0246918	0.0066627 ± 0.0168246	0.0760110 ± 0.0250639	1.9606046 ± 0.0845392
16D45124	12.2 %	0.0068486 ± 0.0003710	0.0037711 ± 0.0246918	0.0065031 ± 0.0168246	0.0911095 ± 0.0250639	1.9977979 ± 0.0845392
16D45126	13.4 %	0.0070794 ± 0.0003710	0.0053844 ± 0.0246918	0.0062520 ± 0.0168246	0.1247951 ± 0.0250639	2.1127748 ± 0.0845392
16D45127	14.6 %	0.0072504 ± 0.0003710	0.0067862 ± 0.0246918	0.0061619 ± 0.0168246	0.1433707 ± 0.0250639	2.1934957 ± 0.0845392
16D45128	16.0 %	0.0074639 ± 0.0003710	0.0086725 ± 0.0246918	0.0060958 ± 0.0168246	0.1630876 ± 0.0250639	2.2917608 ± 0.0845392
16D45130	17.6 %	0.0080347 ± 0.0003710	0.0141826 ± 0.0246918	0.0060351 ± 0.0168246	0.2058810 ± 0.0250639	2.5474411 ± 0.0845392
16D45131	19.3 %	0.0084008 ± 0.0003710	0.0179571 ± 0.0246918	0.0060395 ± 0.0168246	0.2289160 ± 0.0250639	2.7082615 ± 0.0845392
16D45133	21.0 %	0.0093176 ± 0.0003710	0.0279475 ± 0.0246918	0.0061136 ± 0.0168246	0.2781307 ± 0.0250639	3.1048143 ± 0.0845392

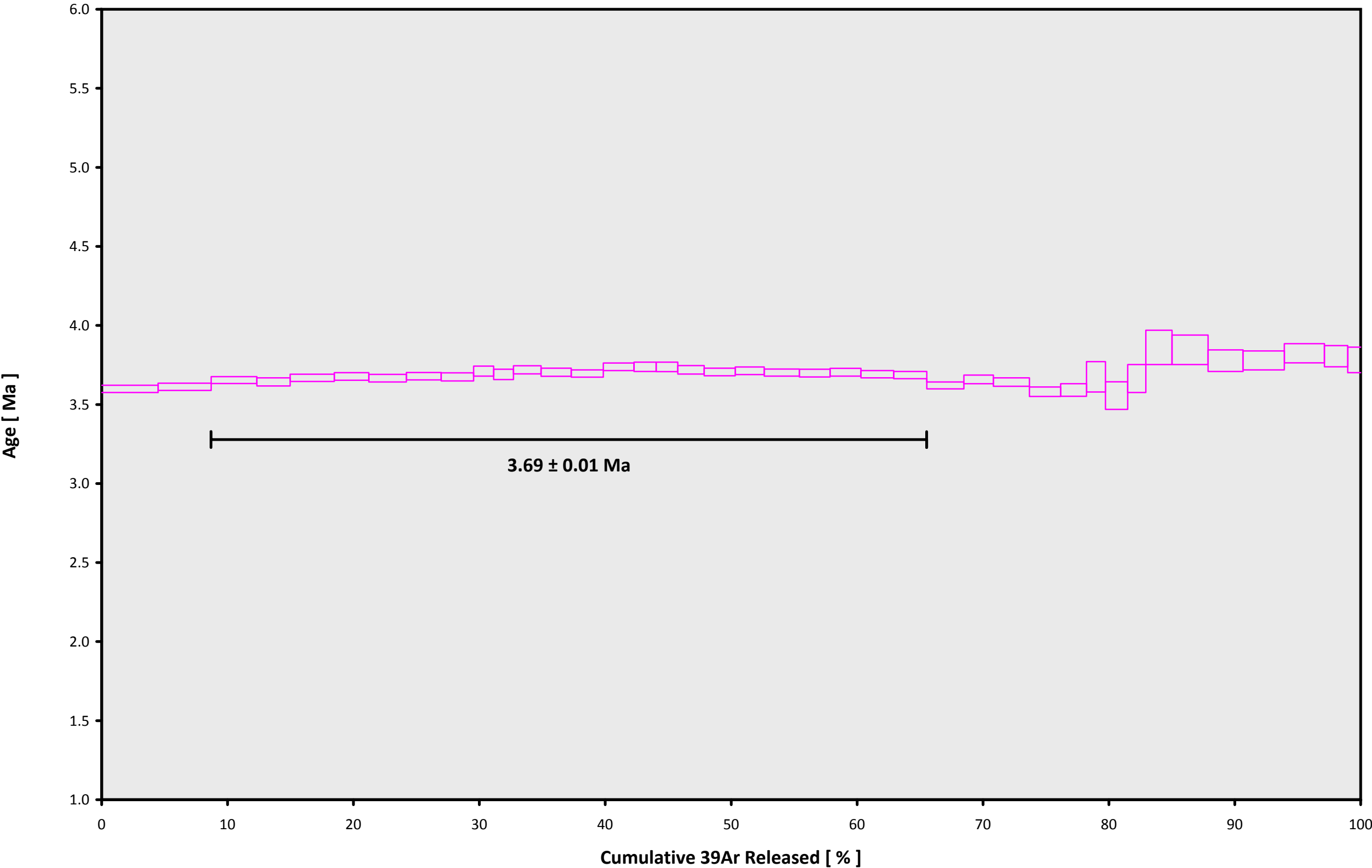
OSU Argon Geochronology Lab CEOAS Oregon State University, Corvallis, USA																
Intercept Values		36Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	37Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	38Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	39Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	40Ar ± 1σ (SE) [fA]	r2	Regression (type,n)
16D45080	1.8 %	0.4221728 ± 0.0010299	0.8406	EXP 150 of 150	10.198571 ± 0.016413	0.9165	EXP 150 of 150	3.2895024 ± 0.0168641	0.5337	EXP 150 of 150	219.585240 ± 0.026926	0.9997	EXP 150 of 150	294.42754 ± 0.03080	0.9984	EXP 150 of 150
16D45082	1.9 %	0.3780507 ± 0.0009975	0.7918	EXP 150 of 150	10.746555 ± 0.019738	0.9054	EXP 150 of 150	3.1105689 ± 0.0159228	0.6111	EXP 150 of 150	206.164699 ± 0.026389	0.9997	EXP 150 of 150	271.00541 ± 0.02968	0.9980	EXP 150 of 150
16D45083	2.0 %	0.3180491 ± 0.0007301	0.8288	EXP 149 of 150	9.938758 ± 0.020711	0.8737	EXP 150 of 150	2.6207208 ± 0.0182012	0.3842	EXP 150 of 150	178.103241 ± 0.024728	0.9996	EXP 150 of 150	232.84041 ± 0.02529	0.9973	EXP 150 of 150
16D45084	2.1 %	0.2295002 ± 0.0007111	0.6658	EXP 150 of 150	7.130235 ± 0.019413	0.7738	EXP 150 of 150	1.9047111 ± 0.0174682	0.2884	EXP 150 of 150	129.104618 ± 0.021945	0.9994	EXP 150 of 150	168.12707 ± 0.02349	0.9882	EXP 150 of 150
16D45086	2.2 %	0.2901860 ± 0.0008413	0.7256	EXP 150 of 150	11.013801 ± 0.018615	0.9157	EXP 149 of 150	2.5057055 ± 0.0183958	0.4047	EXP 150 of 150	171.958828 ± 0.025642	0.9995	EXP 150 of 150	219.74208 ± 0.02993	0.9955	EXP 150 of 150
16D45087	2.3 %	0.2264666 ± 0.0007066	0.6603	EXP 149 of 150	8.801014 ± 0.018972	0.8581	EXP 150 of 150	1.9362982 ± 0.0151676	0.2987	EXP 150 of 150	134.359239 ± 0.025285	0.9992	EXP 150 of 150	171.79004 ± 0.02528	0.9890	EXP 150 of 150
16D45088	2.4 %	0.2423270 ± 0.0007584	0.6975	EXP 150 of 150	10.746575 ± 0.018964	0.9065	EXP 150 of 150	2.1290397 ± 0.0164593	0.3476	EXP 150 of 150	146.198782 ± 0.022313	0.9995	EXP 150 of 150	185.09771 ± 0.02690	0.9913	EXP 150 of 150
16D45090	2.5 %	0.2193128 ± 0.0007007	0.6320	EXP 150 of 150	10.374260 ± 0.019659	0.9000	EXP 150 of 150	1.9357381 ± 0.0162392	0.3066	EXP 150 of 150	135.412662 ± 0.023908	0.9993	EXP 150 of 150	170.09701 ± 0.02607	0.9896	EXP 150 of 150
16D45091	2.6 %	0.2059860 ± 0.0007345	0.5622	EXP 150 of 150	10.276043 ± 0.020681	0.8797	EXP 150 of 150	1.7769523 ± 0.0153193	0.2622	EXP 150 of 150	126.274538 ± 0.023547	0.9993	EXP 150 of 150	158.85022 ± 0.02482	0.9842	EXP 150 of 150
16D45092	2.7 %	0.1306251 ± 0.0005350	0.2524	EXP 150 of 150	5.973211 ± 0.020172	0.7089	EXP 150 of 150	1.1226817 ± 0.0163098	0.2122	EXP 150 of 150	78.052332 ± 0.021469	0.9983	EXP 150 of 150	99.82820 ± 0.02453	0.7143	EXP 150 of 150
16D45094	2.8 %	0.1292799 ± 0.0005671	0.2974	EXP 150 of 150	6.121561 ± 0.019278	0.7495	EXP 150 of 150	1.1091057 ± 0.0182540	0.1458	EXP 150 of 150	76.983672 ± 0.022028	0.9982	EXP 150 of 150	98.23554 ± 0.02147	0.5190	EXP 149 of 150
16D45095	2.9 %	0.1701583 ± 0.0005873	0.5059	EXP 150 of 150	9.469403 ± 0.017501	0.9082	EXP 150 of 150	1.5032045 ± 0.0168459	0.1777	EXP 150 of 150	107.134933 ± 0.020638	0.9992	EXP 150 of 150	134.16591 ± 0.02363	0.9624	EXP 150 of 150
16D45096	3.0 %	0.1826183 ± 0.0006844	0.4777	EXP 150 of 150	11.512235 ± 0.019028	0.9244	EXP 150 of 150	1.6200141 ± 0.0172743	0.2172	EXP 150 of 150	117.762992 ± 0.020664	0.9993	EXP 150 of 150	145.49890 ± 0.02411	0.9766	EXP 150 of 150
16D45098	3.2 %	0.1868875 ± 0.0005971	0.6156	EXP 150 of 150	13.999264 ± 0.018337	0.9512	EXP 149 of 150	1.7354987 ± 0.0168395	0.2633	EXP 150 of 150	124.331792 ± 0.023085	0.9993	EXP 150 of 150	151.20503 ± 0.02606	0.9819	EXP 150 of 150
16D45099	3.4 %	0.1755047 ± 0.0006408	0.4625	EXP 150 of 150	14.176159 ± 0.021537	0.9346	EXP 150 of 150	1.6412159 ± 0.0176070	0.2330	EXP 150 of 150	119.734888 ± 0.022394	0.9993	EXP 150 of 150	145.12875 ± 0.02734	0.9708	EXP 150 of 150
16D45100	3.6 %	0.1337953 ± 0.0005627	0.2747	EXP 149 of 150	9.971625 ± 0.018909	0.9016	EXP 150 of 150	1.1818924 ± 0.0169436	0.1779	EXP 150 of 150	86.211342 ± 0.018615	0.9990	EXP 150 of 150	106.82989 ± 0.02427	0.0010	EXP 150 of 150
16D45102	3.8 %	0.1295972 ± 0.0005838	0.2165	EXP 150 of 150	10.062803 ± 0.019917	0.8871	EXP 150 of 150	1.1619087 ± 0.0174594	0.1335	EXP 150 of 150	84.471946 ± 0.019233	0.9989	EXP 150 of 150	104.13637 ± 0.02166	0.1683	EXP 150 of 150
16D45103	4.0 %	0.1541937 ± 0.0006113	0.3921	EXP 150 of 150	13.505385 ± 0.019579	0.9364	EXP 150 of 150	1.3857620 ± 0.0173634	0.1835	EXP 150 of 150	102.096148 ± 0.021139	0.9991	EXP 150 of 150	124.45917 ± 0.02401	0.9306	EXP 150 of 150
16D45104	4.3 %	0.1771321 ± 0.0006305	0.5109	EXP 150 of 150	16.994587 ± 0.019258	0.9633	EXP 150 of 150	1.6408819 ± 0.0179655	0.1980	EXP 150 of 150	121.027234 ± 0.023126	0.9992	EXP 150 of 150	145.25375 ± 0.02391	0.9783	EXP 150 of 150
16D45106	4.6 %	0.1601628 ± 0.0005896	0.4105	EXP 150 of 150	16.801526 ± 0.020200	0.9593	EXP 150 of 150	1.5072170 ± 0.0174329	0.1965	EXP 150 of 150	112.926593 ± 0.021300	0.9992	EXP 150 of 150	133.89907 ± 0.02534	0.9649	EXP 150 of 150
16D45107	4.9 %	0.1937245 ± 0.0006704	0.5550	EXP 150 of 150	21.938087 ± 0.019528	0.9772	EXP 150 of 150	1.8139211 ± 0.0171956	0.1927	EXP 150 of 150	136.857367 ± 0.024327	0.9993	EXP 150 of 150	161.54227 ± 0.02428	0.9891	EXP 150 of 150
16D45108	5.2 %	0.1739303 ± 0.0006619	0.4781	EXP 150 of 150	19.103133 ± 0.019154	0.9706	EXP 149 of 150	1.5657607 ± 0.0163367	0.1596	EXP 149 of 150	119.143837 ± 0.023941	0.9991	EXP 150 of 150	142.18080 ± 0.02443	0.9736	EXP 150 of 150
16D45110	5.5 %	0.1730423 ± 0.0006774	0.3838	EXP 150 of 150	20.047793 ± 0.018677	0.9750	EXP 150 of 150	1.5773297 ± 0.0159995	0.1881	EXP 150 of 150	120.250314 ± 0.021636	0.9993	EXP 150 of 150	142.69779 ± 0.02663	0.9759	EXP 150 of 150
16D45111	5.8 %	0.1855076 ± 0.0006134	0.4973	EXP 150 of 150	22.037438 ± 0.019407	0.9770	EXP 150 of 150	1.6838793 ± 0.0169499	0.2647	EXP 150 of 150	127.397766 ± 0.023252	0.9993	EXP 150 of 150	151.37769 ± 0.02644	0.9818	EXP 150 of 150
16D45112	6.2 %	0.1913220 ± 0.0006489	0.5595	EXP 150 of 150	23.000401 ± 0.020006	0.9784	EXP 150 of 150	1.7023748 ± 0.0150032	0.2799	EXP 150 of 150	128.445348 ± 0.023069	0.9993	EXP 150 of 150	153.65567 ± 0.02361	0.9860	EXP 150 of 150
16D45114	6.6 %	0.2328729 ± 0.0006584	0.7505	EXP 149 of 150	27.281778 ± 0.021272	0.9825	EXP 150 of 150	1.9138320 ± 0.0167628	0.3458	EXP 149 of 150	144.468531 ± 0.023230	0.9994	EXP 150 of 150	176.14436 ± 0.02332	0.9943	EXP 150 of 150
16D45115	7.0 %	0.2018558 ± 0.0007057	0.5576	EXP 150 of 150	22.008632 ± 0.020452	0.9756	EXP 150 of 150	1.5705865 ± 0.0171605	0.2969	EXP 150 of 150	114.803246 ± 0.021644	0.9992	EXP 150 of 150	146.05057 ± 0.02442	0.9807	EXP 150 of 150
16D45116	7.6 %	0.2744771 ± 0.0008312	0.7045	EXP 150 of 150	28.695368 ± 0.019471	0.9870	EXP 150 of 150	1.8830474 ± 0.0154737	0.3507	EXP 150 of 150	139.929943 ± 0.021005	0.9995	EXP 150 of 150	186.11612 ± 0.02788	0.9932	EXP 150 of 150
16D45118	8.2 %	0.2620617 ± 0.0008244	0.6862	EXP 150 of 150	25.744978 ± 0.020303	0.9822	EXP 150 of 150	1.6724366 ± 0.0176035	0.2943	EXP 150 of 150	121.875138 ± 0.021887	0.9993	EXP 150 of 150	167.57971 ± 0.02744	0.9904	EXP 150 of 150
16D45119	8.9 %	0.3200364 ± 0.0008427	0.7976	EXP 150 of 150	21.625407 ± 0.019866	0.9762	EXP 150 of 150	1.4159055 ± 0.0162083	0.2632	EXP 149 of 150	100.567388 ± 0.021913	0.9990	EXP 150 of 150	170.95471 ± 0.02485	0.9931	EXP 150 of 150
16D45120	9.6 %	0.6740150 ± 0.0012890	0.9267	EXP 150 of 150	15.268813 ± 0.020519	0.9472	EXP 150 of 150	1.1068696 ± 0.0162570	0.1307	EXP 150 of 150	73.553353 ± 0.021687	0.9981	EXP 150 of 150	264.38910 ± 0.02788	0.9985	EXP 150 of 150
16D45122	10.4 %	0.7372534 ± 0.0013197	0.9348	EXP 150 of 150	18.869931 ± 0.020270	0.9666	EXP 150 of 150	1.3373855 ± 0.0179666	0.1452	EXP 150 of 150	86.781034 ± 0.021556	0.9987	EXP 150 of 150	291.47347 ± 0.02878	0.9989	EXP 150 of 150
16D45123	11.2 %	0.5798121 ± 0.0011570	0.9162	EXP 150 of 150	14.052427 ± 0.016525	0.9590	EXP 150 of 150	1.0504576 ± 0.0174245	0.0431	EXP 150 of 150	70.303477 ± 0.021539	0.9979	EXP 150 of 150	232.43085 ± 0.02875	0.9976	EXP 150 of 150
16D45124	12.2 %	1.1407727 ± 0.0016710	0.9568	EXP 150 of 150	21.156847 ± 0.019677	0.9743	EXP 150 of 150	1.6454076 ± 0.0176652	0.2055	EXP 149 of 150	102.103288 ± 0.020808	0.9991	EXP 150 of 150	435.39454 ± 0.03488	0.9994	EXP 150 of 150
16D45126	13.4 %	1.3657393 ± 0.0019753	0.9601	EXP 150 of 150	29.790972 ± 0.018769	0.9882	EXP 150 of 150	2.1947721 ± 0.0170521	0.2774	EXP 150 of 150	140.718106 ± 0.021950	0.9995	EXP 150 of 150	534.80626 ± 0.04044	0.9995	EXP 150 of 150
16D45127	14.6 %	0.9508012 ± 0.0014231	0.9522	EXP 150 of 150	27.697532 ± 0.018816	0.9866	EXP 150 of 150	2.1025896 ± 0.0172383	0.4463	EXP 150 of 150	136.238588 ± 0.024700	0.9993	EXP 150 of 150	399.53477 ± 0.03699	0.9991	EXP 150 of 150
16D45128	16.0 %	0.9975535 ± 0.0013569	0.9620	EXP 150 of 150	37.683982 ± 0.019580	0.9923	EXP 150 of 150	2.4844576 ± 0.0175534	0.4890	EXP 150 of 150	160.668883 ± 0.023787	0.9995	EXP 15			

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
16D45080	1.8 %	Dan Miggins	16-OSU-10	0.00	0.00	21.89	Oregon\McClaghry (15-17)	16D45076	01
16D45082	1.9 %	Dan Miggins	16-OSU-10	0.00	0.00	21.89	Oregon\McClaghry (15-17)	16D45076	01
16D45083	2.0 %	Dan Miggins	16-OSU-10	0.00	0.00	21.89	Oregon\McClaghry (15-17)	16D45076	01
16D45084	2.1 %	Dan Miggins	16-OSU-10	0.00	0.00	21.89	Oregon\McClaghry (15-17)	16D45076	01
16D45086	2.2 %	Dan Miggins	16-OSU-10	0.00	0.00	21.89	Oregon\McClaghry (15-17)	16D45076	01
16D45087	2.3 %	Dan Miggins	16-OSU-10	0.00	0.00	21.89	Oregon\McClaghry (15-17)	16D45076	01
16D45088	2.4 %	Dan Miggins	16-OSU-10	0.00	0.00	21.89	Oregon\McClaghry (15-17)	16D45076	01
16D45090	2.5 %	Dan Miggins	16-OSU-10	0.00	0.00	21.89	Oregon\McClaghry (15-17)	16D45076	01
16D45091	2.6 %	Dan Miggins	16-OSU-10	0.00	0.00	21.89	Oregon\McClaghry (15-17)	16D45076	01
16D45092	2.7 %	Dan Miggins	16-OSU-10	0.00	0.00	21.89	Oregon\McClaghry (15-17)	16D45076	01
16D45094	2.8 %	Dan Miggins	16-OSU-10	0.00	0.00	21.89	Oregon\McClaghry (15-17)	16D45076	01
16D45095	2.9 %	Dan Miggins	16-OSU-10	0.00	0.00	21.89	Oregon\McClaghry (15-17)	16D45076	01
16D45096	3.0 %	Dan Miggins	16-OSU-10	0.00	0.00	21.89	Oregon\McClaghry (15-17)	16D45076	01
16D45098	3.2 %	Dan Miggins	16-OSU-10	0.00	0.00	21.89	Oregon\McClaghry (15-17)	16D45076	01
16D45099	3.4 %	Dan Miggins	16-OSU-10	0.00	0.00	21.89	Oregon\McClaghry (15-17)	16D45076	01
16D45100	3.6 %	Dan Miggins	16-OSU-10	0.00	0.00	21.89	Oregon\McClaghry (15-17)	16D45076	01
16D45102	3.8 %	Dan Miggins	16-OSU-10	0.00	0.00	21.89	Oregon\McClaghry (15-17)	16D45076	01
16D45103	4.0 %	Dan Miggins	16-OSU-10	0.00	0.00	21.89	Oregon\McClaghry (15-17)	16D45076	01
16D45104	4.3 %	Dan Miggins	16-OSU-10	0.00	0.00	21.89	Oregon\McClaghry (15-17)	16D45076	01
16D45106	4.6 %	Dan Miggins	16-OSU-10	0.00	0.00	21.89	Oregon\McClaghry (15-17)	16D45076	01
16D45107	4.9 %	Dan Miggins	16-OSU-10	0.00	0.00	21.89	Oregon\McClaghry (15-17)	16D45076	01
16D45108	5.2 %	Dan Miggins	16-OSU-10	0.00	0.00	21.89	Oregon\McClaghry (15-17)	16D45076	01
16D45110	5.5 %	Dan Miggins	16-OSU-10	0.00	0.00	21.89	Oregon\McClaghry (15-17)	16D45076	01
16D45111	5.8 %	Dan Miggins	16-OSU-10	0.00	0.00	21.89	Oregon\McClaghry (15-17)	16D45076	01
16D45112	6.2 %	Dan Miggins	16-OSU-10	0.00	0.00	21.89	Oregon\McClaghry (15-17)	16D45076	01
16D45114	6.6 %	Dan Miggins	16-OSU-10	0.00	0.00	21.89	Oregon\McClaghry (15-17)	16D45076	01
16D45115	7.0 %	Dan Miggins	16-OSU-10	0.00	0.00	21.89	Oregon\McClaghry (15-17)	16D45076	01
16D45116	7.6 %	Dan Miggins	16-OSU-10	0.00	0.00	21.89	Oregon\McClaghry (15-17)	16D45076	01
16D45118	8.2 %	Dan Miggins	16-OSU-10	0.00	0.00	21.89	Oregon\McClaghry (15-17)	16D45076	01
16D45119	8.9 %	Dan Miggins	16-OSU-10	0.00	0.00	21.89	Oregon\McClaghry (15-17)	16D45076	01
16D45120	9.6 %	Dan Miggins	16-OSU-10	0.00	0.00	21.89	Oregon\McClaghry (15-17)	16D45076	01
16D45122	10.4 %	Dan Miggins	16-OSU-10	0.00	0.00	21.89	Oregon\McClaghry (15-17)	16D45076	01
16D45123	11.2 %	Dan Miggins	16-OSU-10	0.00	0.00	21.89	Oregon\McClaghry (15-17)	16D45076	01
16D45124	12.2 %	Dan Miggins	16-OSU-10	0.00	0.00	21.89	Oregon\McClaghry (15-17)	16D45076	01
16D45126	13.4 %	Dan Miggins	16-OSU-10	0.00	0.00	21.89	Oregon\McClaghry (15-17)	16D45076	01
16D45127	14.6 %	Dan Miggins	16-OSU-10	0.00	0.00	21.89	Oregon\McClaghry (15-17)	16D45076	01
16D45128	16.0 %	Dan Miggins	16-OSU-10	0.00	0.00	21.89	Oregon\McClaghry (15-17)	16D45076	01
16D45130	17.6 %	Dan Miggins	16-OSU-10	0.00	0.00	21.89	Oregon\McClaghry (15-17)	16D45076	01
16D45131	19.3 %	Dan Miggins	16-OSU-10	0.00	0.00	21.89	Oregon\McClaghry (15-17)	16D45076	01
16D45133	21.0 %	Dan Miggins	16-OSU-10	0.00	0.00	21.89	Oregon\McClaghry (15-17)	16D45076	01



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
16D45080	1.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0	0	0	0	0.43	0	0	0	0	0	0
16D45082	1.9 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0	0	0	0	0.43	0	0	0	0	0	0
16D45083	2.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0	0	0	0	0.43	0	0	0	0	0	0
16D45084	2.1 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0	0	0	0	0.43	0	0	0	0	0	0
16D45086	2.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0	0	0	0	0.43	0	0	0	0	0	0
16D45087	2.3 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0	0	0	0	0.43	0	0	0	0	0	0
16D45088	2.4 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0	0	0	0	0.43	0	0	0	0	0	0
16D45090	2.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0	0	0	0	0.43	0	0	0	0	0	0
16D45091	2.6 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0	0	0	0	0.43	0	0	0	0	0	0
16D45092	2.7 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0	0	0	0	0.43	0	0	0	0	0	0
16D45094	2.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0	0	0	0	0.43	0	0	0	0	0	0
16D45095	2.9 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0	0	0	0	0.43	0	0	0	0	0	0
16D45096	3.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0	0	0	0	0.43	0	0	0	0	0	0
16D45098	3.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0	0	0	0	0.43	0	0	0	0	0	0
16D45099	3.4 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0	0	0	0	0.43	0	0	0	0	0	0
16D45100	3.6 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0	0	0	0	0.43	0	0	0	0	0	0
16D45102	3.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0	0	0	0	0.43	0	0	0	0	0	0
16D45103	4.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0	0	0	0	0.43	0	0	0	0	0	0
16D45104	4.3 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0	0	0	0	0.43	0	0	0	0	0	0
16D45106	4.6 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0	0	0	0	0.43	0	0	0	0	0	0
16D45107	4.9 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0	0	0	0	0.43	0	0	0	0	0	0
16D45108	5.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0	0	0	0	0.43	0	0	0	0	0	0
16D45110	5.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0	0	0	0	0.43	0	0	0	0	0	0
16D45111	5.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0	0	0	0	0.43	0	0	0	0	0	0
16D45112	6.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0	0	0	0	0.43	0	0	0	0	0	0
16D45114	6.6 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0	0	0	0	0.43	0	0	0	0	0	0
16D45115	7.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0	0	0	0	0.43	0	0	0	0	0	0
16D45116	7.6 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0	0	0	0	0.43	0	0	0	0	0	0
16D45118	8.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0	0	0	0	0.43	0	0	0	0	0	0
16D45119	8.9 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0	0	0	0	0.43	0	0	0	0	0	0
16D45120	9.6 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0	0	0	0	0.43	0	0	0	0	0	0
16D45122	10.4 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0	0	0	0	0.43	0	0	0	0	0	0
16D45123	11.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0	0	0	0	0.43	0	0	0	0	0	0
16D45124	12.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0	0	0	0	0.43	0	0	0	0	0	0
16D45126	13.4 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0	0	0	0	0.43	0	0	0	0	0	0
16D45127	14.6 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0	0	0	0	0.43	0	0	0	0	0	0
16D45128	16.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0	0	0	0	0.43	0	0	0	0	0	0
16D45130	17.6 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32																										

16D45076.AGE >>> 173-DFWJ-15 >>> OREGON | MCCLAUGHRY (15-17) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

$3.69 \pm 0.01$

TOTAL FUSION

$3.69 \pm 0.01$

NORMAL ISOCHRON

$3.86 \pm 0.08$

INVERSE ISOCHRON

$3.86 \pm 0.08$

MSWD (PROBABILITY)

4.20 (0%)

Sample Info

Groundmass

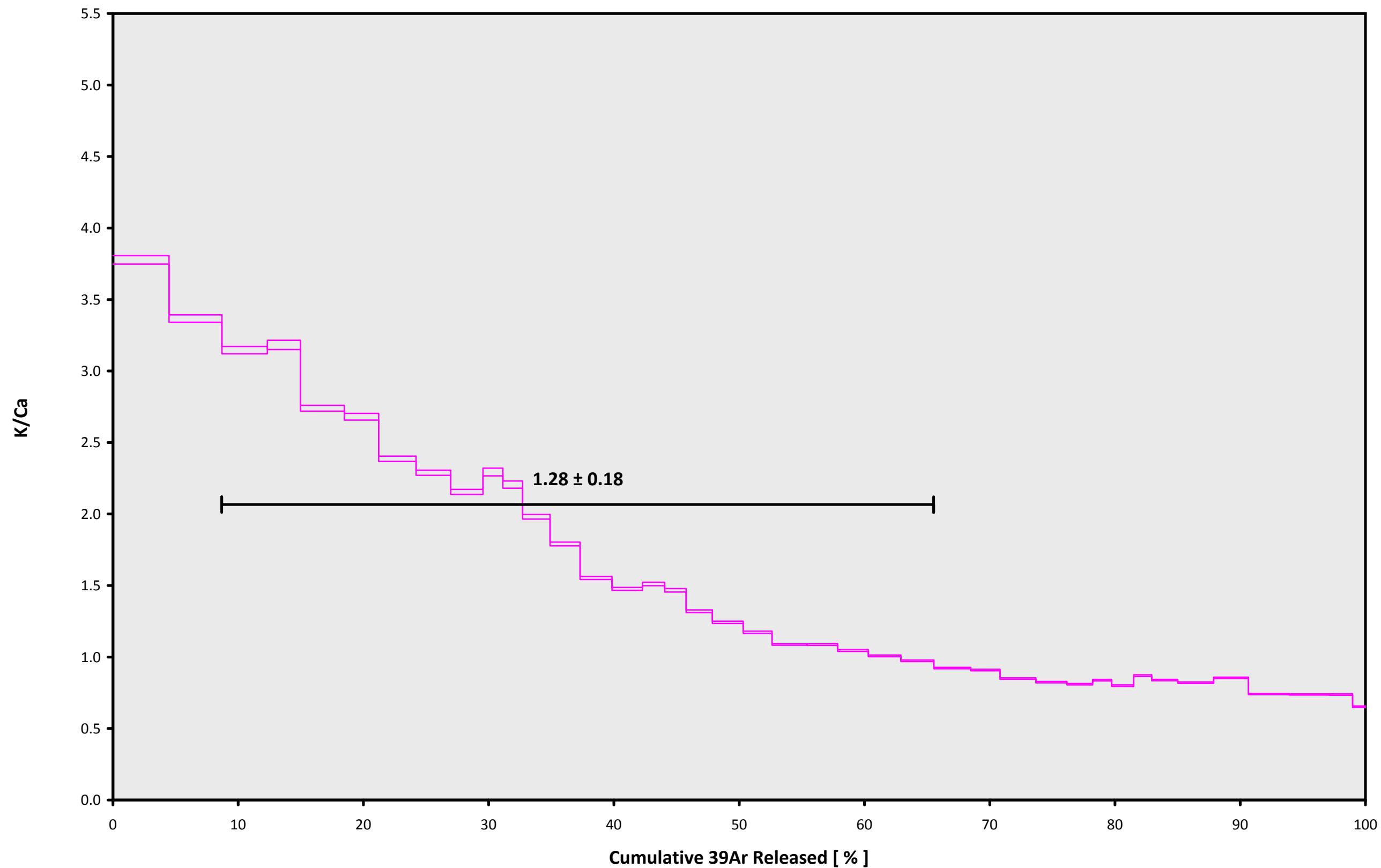
Dufur

Dan Miggins

IRR = 16-OSU-10 (10C12-16)

J =  $0.00270191 \pm 0.00000357$

16D45076.AGE >>> 173-DFWJ-15 >>> OREGON | MCCLAUGHRY (15-17) PROJECT



### Ar-Ages in Ma

#### WEIGHTED PLATEAU

$3.69 \pm 0.01$

#### TOTAL FUSION

$3.69 \pm 0.01$

#### NORMAL ISOCHRON

$3.86 \pm 0.08$

#### INVERSE ISOCHRON

$3.86 \pm 0.08$

### Sample Info

Groundmass

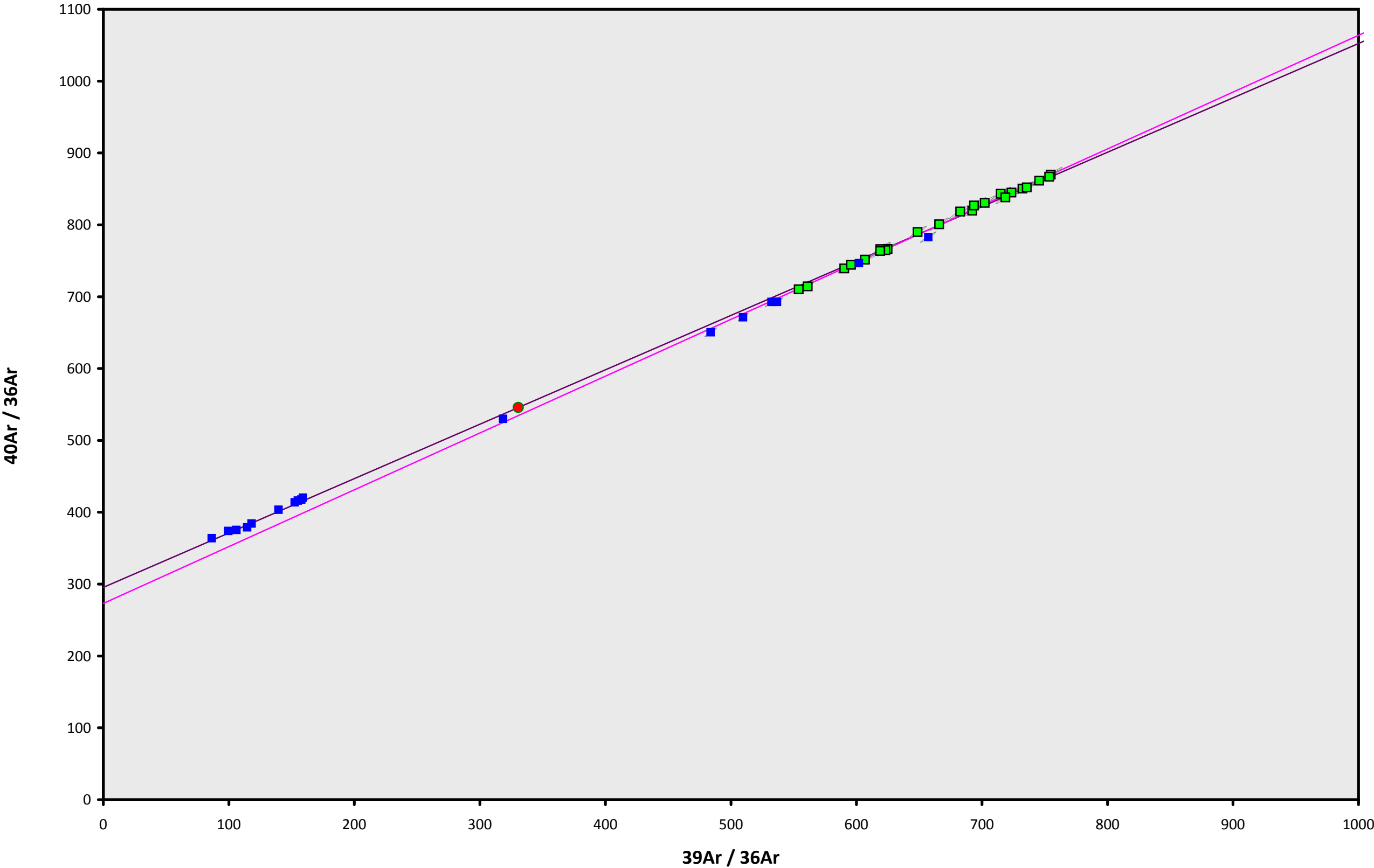
Dufur

Dan Miggins

IRR = 16-OSU-10 (10C12-16)

J =  $0.00270191 \pm 0.00000357$

16D45076.AGE >>> 173-DFWJ-15 >>> OREGON | MCCLAUGHRY (15-17) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

$3.69 \pm 0.01$

TOTAL FUSION

$3.69 \pm 0.01$

NORMAL ISOCHRON

$3.86 \pm 0.08$

INVERSE ISOCHRON

$3.86 \pm 0.08$

MSWD (PROBABILITY)

2.43 (0%)

40AR/36AR INTERCEPT

$273.1 \pm 10.2$

Sample Info

Groundmass

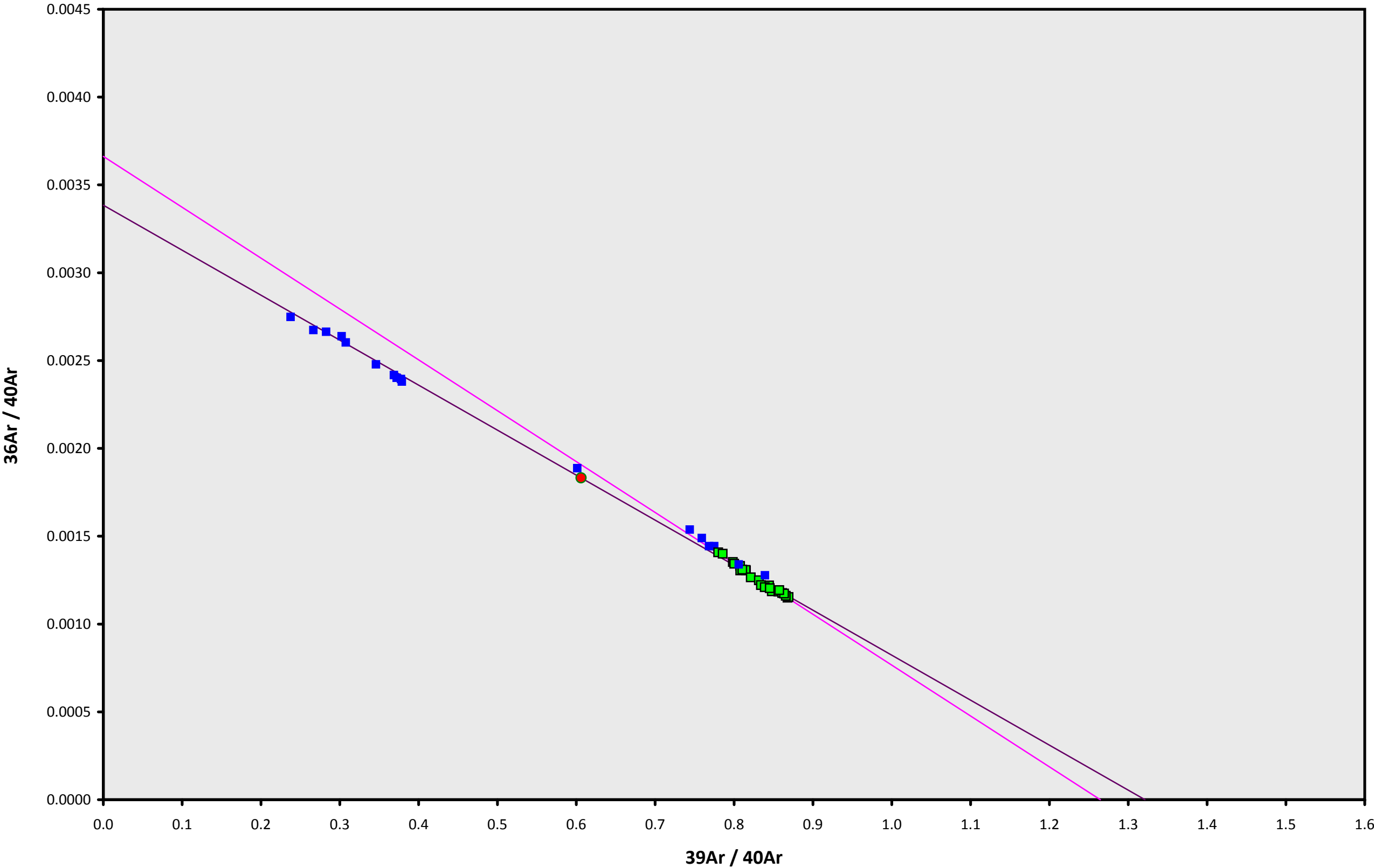
Dufur

Dan Miggins

IRR = 16-OSU-10 (10C12-16)

J =  $0.00270191 \pm 0.00000357$

16D45076.AGE >>> 173-DFWJ-15 >>> OREGON | MCCLAUGHRY (15-17) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

$3.69 \pm 0.01$

TOTAL FUSION

$3.69 \pm 0.01$

NORMAL ISOCHRON

$3.86 \pm 0.08$

INVERSE ISOCHRON

$3.86 \pm 0.08$

MSWD (PROBABILITY)

2.46 (0%)

SPREADING FACTOR

7.0%

40AR/36AR INTERCEPT

$273.0 \pm 10.3$

Sample Info

Groundmass

Dufur

Dan Miggins

IRR = 16-OSU-10 (10C12-16)

$J = 0.00270191 \pm 0.00000357$