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
15D04200	1.8 %		2.807071	0.326	14.6406	11.880	2.468410	1.580	7.84454	0.457	822.5865	0.021	0.71515 ± 0.69270	2.22 ± 2.15	0.68	6.45	0.2301 ± 0.0547
15D04201	1.9 %		2.121679	0.337	14.1967	11.858	1.913678	2.024	5.97160	0.574	624.3960	0.028	0.22296 ± 0.71198	0.69 ± 2.21	0.21	4.91	0.1806 ± 0.0429
15D04202	2.0 %		1.955699	0.348	19.7945	9.092	1.851151	2.120	5.91150	0.638	579.5382	0.030	0.55850 ± 0.68666	1.73 ± 2.13	0.57	4.86	0.1281 ± 0.0234
15D04204	2.1 %		1.694238	0.355	18.9453	9.959	1.577163	2.480	5.20974	0.684	498.3405	0.034	0.13986 ± 0.69008	0.43 ± 2.14	0.15	4.28	0.1180 ± 0.0235
15D04205	2.2 %		1.144150	0.379	13.5267	13.113	1.023549	3.828	3.70930	1.010	338.5079	0.050	0.41393 ± 0.70345	1.28 ± 2.18	0.45	3.05	0.1176 ± 0.0309
15D04206	2.3 %		1.052673	0.385	15.5476	11.718	0.984345	4.051	3.42813	1.088	308.9967	0.054	0.23169 ± 0.71238	0.72 ± 2.21	0.26	2.81	0.0945 ± 0.0222
15D04208	2.4 %	✓	0.765376	0.404	12.1905	14.457	0.762168	4.964	2.57342	1.461	227.8145	0.073	1.03184 ± 0.73205	3.20 ± 2.27	1.16	2.11	0.0905 ± 0.0263
15D04209	2.6 %	✓	0.968003	0.390	21.3160	8.275	0.970468	4.062	3.59904	0.999	287.7203	0.058	0.94898 ± 0.63419	2.94 ± 1.97	1.18	2.95	0.0723 ± 0.0121
15D04210	2.8 %	✓	0.861391	0.396	25.2502	6.962	0.872290	4.505	3.37321	1.084	254.3378	0.065	0.54332 ± 0.61468	1.69 ± 1.91	0.72	2.76	0.0572 ± 0.0081
15D04212	3.0 %	✓	0.684453	0.416	20.8340	8.494	0.734257	5.369	2.73116	1.312	202.8477	0.082	0.83393 ± 0.63916	2.59 ± 1.98	1.12	2.24	0.0561 ± 0.0096
15D04213	3.2 %	✓	0.800266	0.398	36.9217	4.909	0.879911	4.457	3.58515	1.071	236.4398	0.070	0.81445 ± 0.54254	2.53 ± 1.68	1.23	2.93	0.0415 ± 0.0042
15D04214	3.4 %	✓	0.507779	0.466	19.9358	8.825	0.572269	7.292	2.23641	1.620	149.5319	0.110	0.48427 ± 0.65781	1.50 ± 2.04	0.72	1.83	0.0479 ± 0.0086
15D04216	3.6 %	✓	0.689269	0.453	52.3642	3.622	0.807704	5.001	3.60515	1.002	202.7821	0.082	0.90808 ± 0.53174	2.82 ± 1.65	1.60	2.94	0.0293 ± 0.0022
15D04217	3.9 %	✓	0.610732	0.463	53.6395	3.438	0.814097	4.738	3.42160	1.029	181.1981	0.091	1.46716 ± 0.51166	4.55 ± 1.58	2.74	2.79	0.0271 ± 0.0019
15D04218	4.2 %		0.485098	0.481	46.9815	3.835	0.606233	6.319	2.75422	1.267	140.2591	0.052	0.22717 ± 0.52024	0.71 ± 1.61	0.44	2.24	0.0249 ± 0.0020
15D04220	4.5 %		0.427371	0.524	51.7749	3.566	0.540140	7.513	2.45763	1.463	122.6206	0.061	0.16839 ± 0.56279	0.52 ± 1.75	0.33	1.99	0.0201 ± 0.0016
15D04221	4.8 %	✓	0.487345	0.488	85.8842	2.157	0.650867	6.314	3.28673	1.107	140.3164	0.117	0.94451 ± 0.45609	2.93 ± 1.41	2.17	2.66	0.0162 ± 0.0008
15D04222	5.1 %	✓	0.395806	0.517	84.1799	2.283	0.550782	7.034	2.88786	1.275	114.0728	0.144	1.31268 ± 0.45669	4.07 ± 1.41	3.26	2.33	0.0145 ± 0.0008
15D04224	5.4 %	✓	0.379804	0.554	98.1309	1.908	0.548430	7.267	2.87708	1.282	106.3467	0.154	0.64294 ± 0.46918	2.00 ± 1.46	1.70	2.31	0.0123 ± 0.0006
15D04225	5.8 %	✓	0.349355	0.527	112.5653	1.738	0.468283	8.315	2.88306	1.268	98.5126	0.166	1.45705 ± 0.42094	4.52 ± 1.30	4.15	2.31	0.0107 ± 0.0005
15D04226	6.2 %	✓	0.348443	0.547	142.4436	1.404	0.509507	7.973	3.05401	1.206	95.2080	0.171	1.14583 ± 0.41135	3.55 ± 1.27	3.56	2.44	0.0089 ± 0.0003
15D04228	6.8 %	✓	0.343335	0.551	180.6459	1.179	0.508074	8.180	3.25671	1.119	91.0114	0.179	1.17459 ± 0.38750	3.64 ± 1.20	4.05	2.58	0.0075 ± 0.0002
15D04229	7.4 %	✓	0.349137	0.521	233.7173	0.968	0.551030	7.352	3.63372	1.008	89.9065	0.183	1.44014 ± 0.34014	4.47 ± 1.05	5.57	2.86	0.0064 ± 0.0002
15D04230	8.3 %	✓	0.405669	0.511	356.6505	0.754	0.578974	7.089	4.76293	0.708	97.0144	0.169	1.10530 ± 0.29602	3.43 ± 0.92	5.15	3.72	0.0055 ± 0.0001
15D04232	9.3 %	✓	0.431957	0.515	429.4083	0.714	0.691788	5.606	5.09594	0.674	98.9684	0.166	1.01320 ± 0.29943	3.14 ± 0.93	4.92	3.96	0.0048 ± 0.0001
15D04233	10.4 %	✓	0.437202	0.509	436.2400	0.702	0.760689	5.008	5.06970	0.682	100.2451	0.164	1.07541 ± 0.30128	3.34 ± 0.93	5.12	3.93	0.0047 ± 0.0001
15D04234	11.7 %	✓	0.456741	0.528	408.2903	0.711	0.868013	4.419	5.06071	0.704	106.6294	0.153	0.74712 ± 0.31992	2.32 ± 0.99	3.35	3.94	0.0050 ± 0.0001
15D04236	13.5 %	✓	0.497649	0.483	416.2237	0.725	0.807503	4.990	5.27173	0.657	119.9235	0.137	1.08055 ± 0.30732	3.35 ± 0.95	4.50	4.11	0.0052 ± 0.0001
15D04237	15.5 %	✓	0.504994	0.456	374.4180	0.770	0.711499	5.460	4.81145	0.771	124.6677	0.132	1.03044 ± 0.32298	3.20 ± 1.00	3.77	3.75	0.0052 ± 0.0001
15D04238	17.6 %	✓	0.463077	0.500	334.1131	0.778	0.603062	5.937	3.92001	0.917	116.0316	0.142	1.43353 ± 0.39756	4.45 ± 1.23	4.57	3.04	0.0048 ± 0.0001
15D04240	19.8 %	✓	0.436598	0.494	347.6296	0.767	0.505729	7.921	3.29607	1.036	106.0817	0.155	1.37790 ± 0.45189	4.27 ± 1.40	3.98	2.52	0.0038 ± 0.0001
15D04241	22.1 %		0.327635	0.564	358.9477	0.758	0.328035	12.108	2.10040	1.758	72.7139	0.225	2.10954 ± 0.66004	6.54 ± 2.04	5.39	1.53	0.0022 ± 0.0001
15D04242	24.5 %		0.218053	0.732	342.0906	0.756	0.192226	21.271	1.26841	2.739	40.4505	0.402	2.61566 ± 1.05148	8.10 ± 3.25	6.71	0.85	0.0013 ± 0.0001
		Σ	24.408048	0.084	5179.4386	0.244	27.212329	0.834	124.94832	0.166	6896.0185	0.013					

Information on Analysis and Constants Used in Calculations

Project = **MULLIONS (13-INT-09)**
Sample = **RR1310-D43-39**
Material = **Groundmass**
Location = **Lau Basin**
Region = **South Pacific**
Analyst = **Kevin Konrad**
Irradiation = **14-OSU-04 (R98)**
Position = **X: 0 | Y: 0 | Z/H: 18.05 mm**
FCT-NM Age = **28.201 ± 0.023 Ma**
FCT-NM Reference = **Kuiper et al (2008)**
FCT-NM 40Ar/39Ar Ratio = **9.15448 ± 0.01208**
FCT-NM J-value = **0.00171691 ± 0.00000227**
Air Shot 40Ar/36Ar = **303.6930 ± 0.5375**
Air Shot MDF = **0.99324681 ± 0.00072048 (LIN)**
Experiment Type = **Incremental Heating**
Extraction Method = **Bulk Laser Heating**
Heating = **77 sec**
Isolation = **6.00 min**
Instrument = **ARGUS-VI-D**
Preferred Age = **Plateau Age**
Age Classification = **Eruption Age**
IGSN = **IEKK1-RR1310-D43-39**
Rock Class = **Igneous>Volcanic>Mafic**
Lithology = **Basalt**
Lat-Lon = **14°34.8'S - 175°33.6'W**

Age Equations = **Min et al. (2000)**
Negative Intensities = **Allowed**
Collector Calibrations = **40Ar 36Ar**
Decay 40K = **5.530 ± 0.048 E-10 1/a**
Decay 39Ar = **2.940 ± 0.016 E-07 1/h**
Decay 37Ar = **8.230 ± 0.012 E-04 1/h**
Decay 36Cl = **2.257 ± 0.015 E-06 1/a**
Decay 40K(EC,β⁺) = **0.580 ± 0.009 E-10 1/a**
Decay 40K(β⁻) = **4.950 ± 0.043 E-10 1/a**
Atmospheric 40/36(a) = **295.50**
Atmospheric 38/36(a) = **0.1869**
Production 39/37(ca) = **0.0006730**
Production 38/37(ca) = **0.0000139**
Production 36/37(ca) = **0.0002640**
Production 40/39(k) = **0.001010**
Production 38/39(k) = **0.011380**
Production 36/38(cl) = **262.80 ± 1.71**
Scaling Ratio K/Ca = **0.430**
Abundance Ratio 40K/K = **1.1700 ± 0.0100 E-04**
Atomic Weight K = **39.0983 ± 0.0001 g**

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (%,n)	K/Ca ± 2σ
Age Plateau		1.08260 ± 0.10451 (± 9.65%)	**3.36 ± 0.32 (± 9.65%)**	1.51	67.03	0.0051 ± 0.0006
		Full External Error ± 0.33		1.60	2σ Confidence Limit	
		Analytical Error ± 0.32		1.2289	Error Magnification	
Total Fusion Age		0.73515 ± 0.10168 (± 13.83%)	**2.28 ± 0.32 (± 13.83%)**		33	0.0101 ± 0.0001
		Full External Error ± 0.32				
		Analytical Error ± 0.32				
Normal Isochron	**294.33 ± 1.80 (± 0.61%)**	1.20859 ± 0.22540 (± 18.65%)	**3.75 ± 0.70 (± 18.63%)**	1.47	67.03	
		Full External Error ± 0.70		1.62	2σ Confidence Limit	
		Analytical Error ± 0.70		1.2104	Error Magnification	
				4	Number of Iterations	
				0.0000015973	Convergence	
Inverse Isochron	**294.33 ± 1.80 (± 0.61%)**	1.21462 ± 0.20708 (± 17.05%)	**3.77 ± 0.64 (± 17.03%)**	1.47	67.03	
Clustered Points				8%	23	
		Full External Error ± 0.65		1.62	2σ Confidence Limit	
		Analytical Error ± 0.64		1.2105	Error Magnification	
				3	Number of Iterations	
				0.0000756456	Convergence	
				5%	Spreading Factor	

Notes
A plateau with large individual step uncertainties. Two points in the middle of the selected plateau are excluded (significantly lower apparent age).

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
15D04200	1.8 %		2.802645	14.6406	1.855234	7.83469	5.602985	2.22 ± 2.15	0.68	6.45	0.2301 ± 0.0547
15D04201	1.9 %		2.117493	14.1967	1.449873	5.96205	1.329319	0.69 ± 2.21	0.21	4.91	0.1806 ± 0.0429
15D04202	2.0 %		1.950044	19.7945	1.419291	5.89818	3.294110	1.73 ± 2.13	0.57	4.86	0.1281 ± 0.0234
15D04204	2.1 %		1.688873	18.9453	1.202107	5.19699	0.726843	0.43 ± 2.14	0.15	4.28	0.1180 ± 0.0235
15D04205	2.2 %		1.140347	13.5267	0.768122	3.70019	1.531615	1.28 ± 2.18	0.45	3.05	0.1176 ± 0.0309
15D04206	2.3 %		1.048342	15.5476	0.749301	3.41766	0.791848	0.72 ± 2.21	0.26	2.81	0.0945 ± 0.0222
15D04208	2.4 %	✓	0.761980	12.1905	0.590392	2.56522	2.646908	3.20 ± 2.27	1.16	2.11	0.0905 ± 0.0263
15D04209	2.6 %	✓	0.962149	21.3160	0.749552	3.58470	3.401797	2.94 ± 1.97	1.18	2.95	0.0723 ± 0.0121
15D04210	2.8 %	✓	0.854521	25.2502	0.674035	3.35622	1.823517	1.69 ± 1.91	0.72	2.76	0.0572 ± 0.0081
15D04212	3.0 %	✓	0.678779	20.8340	0.576183	2.71713	2.265887	2.59 ± 1.98	1.12	2.24	0.0561 ± 0.0096
15D04213	3.2 %	✓	0.790310	36.9217	0.691173	3.56031	2.899699	2.53 ± 1.68	1.23	2.93	0.0415 ± 0.0042
15D04214	3.4 %	✓	0.502379	19.9358	0.452800	2.22299	1.076534	1.50 ± 2.04	0.72	1.83	0.0479 ± 0.0086
15D04216	3.6 %	✓	0.675251	52.3642	0.640146	3.56991	3.241769	2.82 ± 1.65	1.60	2.94	0.0293 ± 0.0022
15D04217	3.9 %	✓	0.596371	53.6395	0.663363	3.38550	4.967061	4.55 ± 1.58	2.74	2.79	0.0271 ± 0.0019
15D04218	4.2 %		0.472548	46.9815	0.486278	2.72260	0.618495	0.71 ± 1.61	0.44	2.24	0.0249 ± 0.0020
15D04220	4.5 %		0.413571	51.7749	0.434553	2.42279	0.407965	0.52 ± 1.75	0.33	1.99	0.0201 ± 0.0016
15D04221	4.8 %	✓	0.464512	85.8842	0.526111	3.22893	3.049753	2.93 ± 1.41	2.17	2.66	0.0162 ± 0.0008
15D04222	5.1 %	✓	0.373447	84.1799	0.447596	2.83121	3.716457	4.07 ± 1.41	3.26	2.33	0.0145 ± 0.0008
15D04224	5.4 %	✓	0.353762	98.1309	0.448959	2.81104	1.807323	2.00 ± 1.46	1.70	2.31	0.0123 ± 0.0006
15D04225	5.8 %	✓	0.319524	112.5653	0.375052	2.80731	4.090375	4.52 ± 1.30	4.15	2.31	0.0107 ± 0.0005
15D04226	6.2 %	✓	0.310712	142.4436	0.415792	2.95815	3.389528	3.55 ± 1.27	3.56	2.44	0.0089 ± 0.0003
15D04228	6.8 %	✓	0.295519	180.6459	0.414652	3.13514	3.682494	3.64 ± 1.20	4.05	2.58	0.0075 ± 0.0002
15D04229	7.4 %	✓	0.287298	233.7173	0.454524	3.47642	5.006537	4.47 ± 1.05	5.57	2.86	0.0064 ± 0.0002
15D04230	8.3 %	✓	0.311373	356.6505	0.464350	4.52290	4.999146	3.43 ± 0.92	5.15	3.72	0.0055 ± 0.0001
15D04232	9.3 %	✓	0.318420	429.4083	0.571603	4.80694	4.870396	3.14 ± 0.93	4.92	3.96	0.0048 ± 0.0001
15D04233	10.4 %	✓	0.321841	436.2400	0.640121	4.77611	5.136295	3.34 ± 0.93	5.12	3.93	0.0047 ± 0.0001
15D04234	11.7 %	✓	0.348727	408.2903	0.742697	4.78593	3.575648	2.32 ± 0.99	3.35	3.94	0.0050 ± 0.0001
15D04236	13.5 %	✓	0.387563	416.2237	0.672477	4.99161	5.393666	3.35 ± 0.95	4.50	4.11	0.0052 ± 0.0001
15D04237	15.5 %	✓	0.405972	374.4180	0.578532	4.55946	4.698242	3.20 ± 1.00	3.77	3.75	0.0052 ± 0.0001
15D04238	17.6 %	✓	0.374724	334.1131	0.486331	3.69515	5.297118	4.45 ± 1.23	4.57	3.04	0.0048 ± 0.0001
15D04240	19.8 %	✓	0.344702	347.6296	0.401626	3.06212	4.219283	4.27 ± 1.40	3.98	2.52	0.0038 ± 0.0001
15D04241	22.1 %		0.232794	358.9477	0.258383	1.85883	3.921269	6.54 ± 2.04	5.39	1.53	0.0022 ± 0.0001
15D04242	24.5 %		0.127695	342.0906	0.151791	1.03818	2.715526	8.10 ± 3.25	6.71	0.85	0.0013 ± 0.0001
		Σ	23.034188	5179.4386	21.453001	121.46256	89.293420				

Information on Analysis

Project = **MULLIONS (13-INT-09)**
Sample = **RR1310-D43-39**
Material = **Groundmass**
Location = **Lau Basin**
Region = **South Pacific**
Analyst = **Kevin Konrad**
Irradiation = **14-OSU-04 (R98)**
J = **0.00171691 ± 0.00000227**
FCT-NM = **28.201 ± 0.023 Ma**

Results	40(r)/39(k) ± 2σ		Age ± 2σ (Ma)		MSWD	39Ar(k) (%,n)	K/Ca ± 2σ
Age Plateau	1.08260	± 0.10451	**3.36**	**± 0.32**	1.51	67.03	0.0051 ± 0.0006
		± 9.65%		**± 9.65%**	6%	23	
		Full External Error		± 0.33	1.60	2σ Confidence Limit	
		Analytical Error		± 0.32	1.2289	Error Magnification	
Total Fusion Age	0.73515	± 0.10168	**2.28**	**± 0.32**		33	0.0101 ± 0.0001
		± 13.83%		**± 13.83%**			
		Full External Error		± 0.32			
		Analytical Error		± 0.32			

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
15D04200	1.8 %		2.80 ± 0.03	293.50 ± 1.92	0.5802
15D04201	1.9 %		2.82 ± 0.04	294.87 ± 2.00	0.5052
15D04202	2.0 %		3.02 ± 0.04	297.19 ± 2.09	0.4781
15D04204	2.1 %		3.08 ± 0.05	295.07 ± 2.12	0.4601
15D04205	2.2 %		3.24 ± 0.07	296.84 ± 2.29	0.3507
15D04206	2.3 %		3.26 ± 0.08	294.74 ± 2.32	0.3326
15D04208	2.4 %	✓	3.37 ± 0.10	298.97 ± 2.49	0.2652
15D04209	2.6 %	✓	3.73 ± 0.08	299.04 ± 2.39	0.3627
15D04210	2.8 %	✓	3.93 ± 0.09	297.63 ± 2.43	0.3424
15D04212	3.0 %	✓	4.00 ± 0.11	298.84 ± 2.58	0.3008
15D04213	3.2 %	✓	4.50 ± 0.10	299.17 ± 2.47	0.3480
15D04214	3.4 %	✓	4.42 ± 0.15	297.64 ± 2.93	0.2750
15D04216	3.6 %	✓	5.29 ± 0.12	300.30 ± 2.85	0.4133
15D04217	3.9 %	✓	5.68 ± 0.13	303.83 ± 2.98	0.4127
15D04218	4.2 %		5.76 ± 0.16	296.81 ± 3.01	0.3641
15D04220	4.5 %		5.86 ± 0.19	296.49 ± 3.31	0.3476
15D04221	4.8 %	✓	6.95 ± 0.17	302.07 ± 3.23	0.4099
15D04222	5.1 %	✓	7.58 ± 0.22	305.45 ± 3.56	0.3858
15D04224	5.4 %	✓	7.95 ± 0.23	300.61 ± 3.79	0.4089
15D04225	5.8 %	✓	8.79 ± 0.25	308.30 ± 3.83	0.4022
15D04226	6.2 %	✓	9.52 ± 0.27	306.41 ± 4.04	0.4394
15D04228	6.8 %	✓	10.61 ± 0.28	307.96 ± 4.26	0.4811
15D04229	7.4 %	✓	12.10 ± 0.30	312.93 ± 4.32	0.5153
15D04230	8.3 %	✓	14.53 ± 0.30	311.56 ± 4.51	0.6670
15D04232	9.3 %	✓	15.10 ± 0.31	310.80 ± 4.74	0.7035
15D04233	10.4 %	✓	14.84 ± 0.31	311.46 ± 4.69	0.6952
15D04234	11.7 %	✓	13.72 ± 0.29	305.75 ± 4.53	0.6822
15D04236	13.5 %	✓	12.88 ± 0.25	309.42 ± 4.13	0.6705
15D04237	15.5 %	✓	11.23 ± 0.23	307.07 ± 3.76	0.5771
15D04238	17.6 %	✓	9.86 ± 0.23	309.64 ± 4.09	0.5392
15D04240	19.8 %	✓	8.88 ± 0.23	307.74 ± 4.16	0.4940
15D04241	22.1 %		7.98 ± 0.35	312.34 ± 5.50	0.3808
15D04242	24.5 %		8.13 ± 0.59	316.77 ± 8.98	0.3606

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	**294.33 ± 1.80 ± 0.61%**	1.20859 ± 0.22540 ± 18.65%	**3.75 ± 0.70 ± 18.63%**	1.47 8%
			Full External Error ± 0.70	
			Analytical Error ± 0.70	

Statistics				
	2σ Confidence Limit	1.62	Convergence	0.000001597324
	Error Magnification	1.2104	Number of Iterations	4
	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.
15D04200	1.8 %		0.0095246	± 0.0000872	0.00340715	± 0.00002233	0.0030
15D04201	1.9 %		0.0095486	± 0.0001099	0.00339130	± 0.00002301	0.0039
15D04202	2.0 %		0.0101775	± 0.0001305	0.00336486	± 0.00002365	0.0039
15D04204	2.1 %		0.0104287	± 0.0001433	0.00338903	± 0.00002435	0.0047
15D04205	2.2 %		0.0109310	± 0.0002216	0.00336878	± 0.00002602	0.0064
15D04206	2.3 %		0.0110606	± 0.0002419	0.00339277	± 0.00002667	0.0067
15D04208	2.4 %	✓	0.0112602	± 0.0003306	0.00334478	± 0.00002786	0.0087
15D04209	2.6 %	✓	0.0124591	± 0.0002504	0.00334408	± 0.00002672	0.0083
15D04210	2.8 %	✓	0.0131961	± 0.0002882	0.00335983	± 0.00002744	0.0095
15D04212	3.0 %	✓	0.0133951	± 0.0003542	0.00334629	± 0.00002894	0.0118
15D04213	3.2 %	✓	0.0150582	± 0.0003256	0.00334259	± 0.00002762	0.0110
15D04214	3.4 %	✓	0.0148666	± 0.0004860	0.00335973	± 0.00003307	0.0152
15D04216	3.6 %	✓	0.0176050	± 0.0003576	0.00332999	± 0.00003164	0.0140
15D04217	3.9 %	✓	0.0186843	± 0.0003903	0.00329133	± 0.00003226	0.0162
15D04218	4.2 %		0.0194116	± 0.0004982	0.00336917	± 0.00003417	0.0042
15D04220	4.5 %		0.0197588	± 0.0005875	0.00337284	± 0.00003763	0.0045
15D04221	4.8 %	✓	0.0230123	± 0.0005219	0.00331054	± 0.00003544	0.0227
15D04222	5.1 %	✓	0.0248199	± 0.0006499	0.00327384	± 0.00003817	0.0273
15D04224	5.4 %	✓	0.0264335	± 0.0006987	0.00332658	± 0.00004190	0.0286
15D04225	5.8 %	✓	0.0284978	± 0.0007488	0.00324358	± 0.00004030	0.0338
15D04226	6.2 %	✓	0.0310713	± 0.0007816	0.00326361	± 0.00004304	0.0354
15D04228	6.8 %	✓	0.0344489	± 0.0008111	0.00324716	± 0.00004493	0.0393
15D04229	7.4 %	✓	0.0386686	± 0.0008273	0.00319564	± 0.00004415	0.0451
15D04230	8.3 %	✓	0.0466231	± 0.0007141	0.00320970	± 0.00004649	0.0518
15D04232	9.3 %	✓	0.0485729	± 0.0007133	0.00321755	± 0.00004904	0.0490
15D04233	10.4 %	✓	0.0476466	± 0.0007081	0.00321069	± 0.00004839	0.0479
15D04234	11.7 %	✓	0.0448858	± 0.0006833	0.00327061	± 0.00004849	0.0417
15D04236	13.5 %	✓	0.0416251	± 0.0005897	0.00323189	± 0.00004315	0.0395
15D04237	15.5 %	✓	0.0365743	± 0.0006041	0.00325656	± 0.00003985	0.0346
15D04238	17.6 %	✓	0.0318471	± 0.0006268	0.00322960	± 0.00004264	0.0310
15D04240	19.8 %	✓	0.0288665	± 0.0006512	0.00324949	± 0.00004394	0.0316
15D04241	22.1 %		0.0255642	± 0.0010232	0.00320159	± 0.00005642	0.0287
15D04242	24.5 %		0.0256661	± 0.0017323	0.00315691	± 0.00008951	0.0338

Results	40(a)/36(a) ± 2σ		40(r)/39(k) ± 2σ		Age ± 2σ (Ma)		MSWD
Inverse Isochron	**294.33**	**± 1.80**	1.21462	± 0.20708	**3.77**	**± 0.64**	1.47
Clustered Points		**± 0.61%**		± 17.05%		**± 17.03%**	8%
					Full External Error	± 0.65	
					Analytical Error	± 0.64	

Statistics				
	2σ Confidence Limit	1.62	Convergence	0.0000756456
	Error Magnification	1.2105	Number of Iterations	3
	Number of Data Points	23	Calculated Line	Weighted York-2
	Spreading Factor	4.5%		

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
15D04200	1.8 %		2.802645	0.33	0.0000000	0.00	0.0038651	11.88	0.0005607	2.30	14.6406	11.88	0.5238144	0.33	0.0000000	0.00	0.0891588	0.46	0.0002035	11.88	1.855234	2.47	7.83469	0.46	0.0098531	11.88	5.602985	48.43	828.1816	0.33	0.0000000	0.00	0.0079130	0.46
15D04201	1.9 %		2.117493	0.34	0.0000000	0.00	0.0037479	11.86	0.0004382	2.83	14.1967	11.86	0.3957595	0.34	0.0000000	0.00	0.0678481	0.57	0.0001973	11.86	1.449873	2.97	5.96205	0.57	0.0095544	11.86	1.329319	159.66	625.7193	0.34	0.0000000	0.00	0.0060217	0.57
15D04202	2.0 %		1.950044	0.35	0.0000000	0.00	0.0052258	9.09	0.0004290	2.91	19.7945	9.09	0.3644633	0.35	0.0000000	0.00	0.0671213	0.64	0.0002751	9.09	1.419291	3.06	5.89818	0.64	0.0133217	9.09	3.294110	61.47	576.2381	0.35	0.0000000	0.00	0.0059572	0.64
15D04204	2.1 %		1.688873	0.36	0.0000000	0.00	0.0050015	9.96	0.0003634	3.38	18.9453	9.96	0.3156504	0.36	0.0000000	0.00	0.0591417	0.69	0.0002633	9.96	1.202107	3.51	5.19699	0.69	0.0127502	9.96	0.726843	246.70	499.0621	0.36	0.0000000	0.00	0.0052490	0.69
15D04205	2.2 %		1.140347	0.38	0.0000000	0.00	0.0035710	13.11	0.0002322	5.18	13.5267	13.11	0.2131309	0.38	0.0000000	0.00	0.0421082	1.01	0.0001880	13.11	0.768122	5.27	3.70019	1.01	0.0091035	13.11	1.531615	84.97	336.9726	0.38	0.0000000	0.00	0.0037372	1.01
15D04206	2.3 %		1.048342	0.39	0.0000000	0.00	0.0041046	11.72	0.0002265	5.40	15.5476	11.72	0.1959351	0.39	0.0000000	0.00	0.0388930	1.09	0.0002161	11.72	0.749301	5.48	3.41766	1.09	0.0104635	11.72	0.791848	153.73	309.7851	0.39	0.0000000	0.00	0.0034518	1.09
15D04208	2.4 %	✓	0.761980	0.41	0.0000000	0.00	0.0032183	14.46	0.0001785	6.48	12.1905	14.46	0.1424140	0.41	0.0000000	0.00	0.0291922	1.47	0.0001694	14.46	0.590392	6.54	2.56522	1.47	0.0082042	14.46	2.646908	35.44	225.1650	0.41	0.0000000	0.00	0.0025909	1.47
15D04209	2.6 %	✓	0.962149	0.40	0.0000000	0.00	0.0056274	8.27	0.0002266	5.34	21.3160	8.27	0.1798256	0.40	0.0000000	0.00	0.0407939	1.00	0.0002963	8.27	0.749552	5.42	3.58470	1.00	0.0143457	8.27	3.401797	33.40	284.3149	0.40	0.0000000	0.00	0.0036205	1.00
15D04210	2.8 %	✓	0.854521	0.40	0.0000000	0.00	0.0066661	6.96	0.0002038	5.90	25.2502	6.96	0.1597099	0.40	0.0000000	0.00	0.0381938	1.09	0.0003510	6.96	0.674035	5.97	3.35622	1.09	0.0169934	6.96	1.823517	56.56	252.5109	0.40	0.0000000	0.00	0.0033898	1.09
15D04212	3.0 %	✓	0.678779	0.42	0.0000000	0.00	0.0055002	8.49	0.0001742	6.90	20.8340	8.49	0.1268637	0.42	0.0000000	0.00	0.0309210	1.32	0.0002896	8.49	0.576183	6.97	2.71713	1.32	0.0140212	8.49	2.265887	38.30	200.5791	0.42	0.0000000	0.00	0.0027443	1.32
15D04213	3.2 %	✓	0.790310	0.41	0.0000000	0.00	0.0097473	4.91	0.0002090	5.75	36.9217	4.91	0.1477089	0.41	0.0000000	0.00	0.0405163	1.08	0.0005132	4.91	0.691173	5.82	3.56031	1.08	0.0248483	4.91	2.899699	33.29	233.5365	0.41	0.0000000	0.00	0.0035959	1.08
15D04214	3.4 %	✓	0.502379	0.48	0.0000000	0.00	0.0052630	8.83	0.0001369	9.26	19.9358	8.83	0.0938947	0.48	0.0000000	0.00	0.0252977	1.63	0.0002771	8.83	0.452800	9.31	2.22299	1.63	0.0134168	8.83	1.076534	67.90	148.4531	0.48	0.0000000	0.00	0.0022452	1.63
15D04216	3.6 %	✓	0.675251	0.47	0.0000000	0.00	0.0138242	3.62	0.0001936	6.38	52.3642	3.62	0.1262045	0.47	0.0000000	0.00	0.0406255	1.01	0.0007279	3.62	0.640146	6.44	3.56991	1.01	0.0352411	3.62	3.241769	29.26	199.5367	0.47	0.0000000	0.00	0.0036056	1.01
15D04217	3.9 %	✓	0.596371	0.48	0.0000000	0.00	0.0141608	3.44	0.0002007	5.89	53.6395	3.44	0.1114617	0.48	0.0000000	0.00	0.0385270	1.04	0.0007456	3.44	0.663363	5.96	3.38550	1.04	0.0360994	3.44	4.967061	17.41	176.2276	0.48	0.0000000	0.00	0.0034194	1.04
15D04218	4.2 %		0.472548	0.50	0.0000000	0.00	0.0124031	3.84	0.0001471	7.93	46.9815	3.84	0.0883192	0.50	0.0000000	0.00	0.0309832	1.28	0.0006530	3.84	0.486278	7.99	2.72260	1.28	0.0316185	3.84	0.618495	114.50	139.6379	0.50	0.0000000	0.00	0.0027498	1.28
15D04220	4.5 %		0.413571	0.55	0.0000000	0.00	0.0136686	3.57	0.0001315	9.39	51.7749	3.57	0.0772964	0.55	0.0000000	0.00	0.0275713	1.49	0.0007197	3.57	0.434553	9.43	2.42279	1.49	0.0348445	3.57	0.407965	167.11	122.2102	0.55	0.0000000	0.00	0.0024470	1.49
15D04221	4.8 %	✓	0.464512	0.52	0.0000000	0.00	0.0226734	2.16	0.0001592	7.87	85.8842	2.16	0.0868174	0.52	0.0000000	0.00	0.0367452	1.13	0.0011938	2.16	0.526111	7.92	3.22893	1.13	0.0578001	2.16	3.049753	24.12	137.2634	0.52	0.0000000	0.00	0.0032612	1.13
15D04222	5.1 %	✓	0.373447	0.56	0.0000000	0.00	0.0222235	2.28	0.0001354	8.71	84.1799	2.28	0.0697972	0.56	0.0000000	0.00	0.0322191	1.30	0.0011701	2.28	0.447596	8.75	2.83121	1.30	0.0566530	2.28	3.716457	17.35	110.3535	0.56	0.0000000	0.00	0.0028595	1.30
15D04224	5.4 %	✓	0.353762	0.61	0.0000000	0.00	0.0259066	1.91	0.0001358	8.93	98.1309	1.91	0.0661181	0.61	0.0000000	0.00	0.0319897	1.31	0.0013640	1.91	0.448959	8.97	2.81104	1.31	0.0660421	1.91	1.807323	36.46	104.5366	0.61	0.0000000	0.00	0.0028392	1.31
15D04225	5.8 %	✓	0.319524	0.60	0.0000000	0.00	0.0297172	1.74	0.0001135	10.42	112.5653	1.74	0.0597190	0.60	0.0000000	0.00	0.0319472	1.30	0.0015647	1.74	0.375052	10.46	2.80731	1.30	0.0757565	1.74	4.090375	14.39	94.4194	0.60	0.0000000	0.00	0.0028354	1.30
15D04226	6.2 %	✓	0.310712	0.64	0.0000000	0.00	0.0376051	1.40	0.0001258	9.81	142.4436	1.40	0.0580721	0.64	0.0000000	0.00	0.0336637	1.25	0.0019800	1.40	0.415792	9.86	2.95815	1.25	0.0958645	1.40	3.389528	17.91	91.8155	0.64	0.0000000	0.00	0.0029877	1.25
15D04228	6.8 %	✓	0.295519	0.67	0.0000000	0.00	0.0476905	1.18	0.0001255	10.07	180.6459	1.18	0.0552324	0.67	0.0000000	0.00	0.0356779	1.16	0.0025110	1.18	0.414652	10.11	3.13514	1.16	0.1215747	1.18	3.682494	16.45	87.3257	0.67	0.0000000	0.00	0.0031665	1.16
15D04229	7.4 %	✓	0.287298	0.67	0.0000000	0.00	0.0617014	0.97	0.0001376	8.96	233.7173	0.97	0.0536960	0.67	0.0000000	0.00	0.0395617	1.05	0.0032487	0.97	0.454524	9.01	3.47642	1.05	0.1572917	0.97	5.006537	11.76	84.8965	0.67	0.0000000	0.00	0.0035112	1.05
15D04230	8.3 %	✓	0.311373	0.70	0.0000000	0.00	0.0941557	0.75	0.0001405	8.89	356.6505	0.75	0.0581956	0.70	0.0000000	0.00	0.0514706	0.75	0.0049574	0.75	0.464350	8.94	4.52290	0.75	0.2400258	0.75	4.999146	13.37	92.0107	0.70	0.0000000	0.00	0.0045681	0.75
15D04232	9.3 %	✓	0.318420	0.74	0.0000000	0.00	0.1133638	0.71	0.0001730	6.85	429.4083	0.71	0.0595127	0.74	0.0000000	0.00	0.0547030	0.72	0.0059688	0.71	0.571603	6.91	4.80694	0.72	0.2889918	0.71	4.870396	14.76	94.0932	0.74	0.0000000	0.00	0.0048550	0.72
15D04233	10.4 %	✓	0.321841	0.74	0.0000000	0.00	0.1151674	0.70	0.0001938	6.02	436.2400	0.70	0.0601521	0.74	0.0000000	0.00	0.0543521	0.72	0.0060637	0.70	0.640121	6.09	4.77611	0.72	0.2935895	0.70	5.136295	13.99	95.1040	0.74	0.0000000	0.00	0.0048239	0.72
15D04234	11.7 %	✓	0.348727	0.73	0.0000000	0.00	0.1077886	0.71	0.0002248	5.25	408.2903	0.71	0.0651771	0.73	0.0000000	0.00	0.0544639	0.75	0.0056752	0.71	0.742697	5.33	4.78593	0.75	0.2747794	0.71	3.575648	21.40	103.0489	0.73	0.0000000	0.00	0.0048338	0.75
15D04236	13.5 %	✓	0.387563	0.65	0.0000000	0.00	0.1098831	0.73	0.0002036	6.06	416.2237	0.73	0.0724355	0.65	0.0000000	0.00	0.0568046	0.69	0.0057855	0.73	0.672477	6.13	4.99161	0.69	0.2801185	0.73	5.393666	14.20	114.5248	0.65	0.0000000	0.00	0.0050415	0.69
15D04237	15.5 %	✓	0.405972	0.60	0.0000000	0.00	0.0988464	0.77	0.0001752	6.78	374.4180	0.77	0.0758762	0.60	0.0000000	0.00	0.0518867	0.82	0.0052044	0.77	0.578532	6.84	4.55946	0.82	0.2519833	0.77	4.698242	15.65	119.9649	0.60	0.0000000	0.00	0.0046051	0.82
15D04238	17.6 %	✓	0.374724	0.64	0.0000000	0.00	0.0882058	0.78	0.0001473	7.42	334.1131	0.78	0.0700358	0.64	0.0000000	0.00	0.0420508	0.97	0.0046442	0.78	0.486331	7.48	3.69515	0.97	0.2248581	0.78	5.297118	13.83	110.7308	0.64	0.0000000	0.00	0.0037321	0.97
15D04240	19.8 %	✓	0.344702	0.66	0.0000000	0.00	0.0917742	0.77	0.0001216	10.02	347.6296	0.77	0.0644248	0.66	0.0000000	0.00	0.0348469	1.12	0.0048321	0.77	0.401626	10.06	3.06212	1.12	0.2339547	0.77	4.219283	16.36	101.8594	0.66	0.0000000	0.00	0.0030927	1.12
15D04241	22.1 %		0.232794	0.85	0.0000000	0.00	0.0947622	0.76	0.0000782	15.40	358.9477	0.76	0.0435093	0.85	0.0000000	0.00	0.0211534	1.99	0.0049894	0.76	0.258383	15.43	1.85883	1.99	0.2415718	0.76	3.921269	15.52	68.7907	0.85	0.0000000	0.00	0.0018774	1.99
15D04242	24.5 %		0.127695	1.36	0.0000000	0.00	0.0903119	0.76	0.0000460	26.96	342.0906	0.76	0.0238662	1.36	0.0000000	0.00	0.0118145	3.35	0.0047551	0.76	0.151791	26.97	1.03818	3.35	0.2302270	0.76	2.715526	19.82	37.7339	1.36	0.0000000	0.00	0.0010486	3.35
		Σ	23.034188	0.09	0.0000000	0.00	1.3673718	0.24	0.0064889	1.07	5179.4386	0.24	4.3050897	0.09	0.0000000	0.00	1.3822440	0.17	0.0719942	0.24	21.453001	1.09	121.46256	0.17	3.4857621	0.24	89.293420	6.91	6806.6024	0.09	0.0000000	0.00	0.1226772	0.17
		Σ							24.408048	0.09	5179.4386	0.24									27.212329	0.86			124.94832	0.17							6896.0185	0.13

Additional Parameters			40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
15D04200	1.8 %		104.860970	0.479401	1.866344	0.221889	0.357837	0.002008	186.107	39.585083	1.00131492	3.948E-11
15D04201	1.9 %		104.560858	0.600572	2.377373	0.282229	0.355295	0.002364	186.117	39.592685	1.00131499	2.997E-11
15D04202	2.0 %		98.035730	0.626558	3.348476	0.305191	0.330830	0.002406	186.127	39.600832	1.00131506	2.782E-11
15D04204	2.1 %		95.655552	0.655266	3.636509	0.363010	0.325206	0.002507	186.146	39.615501	1.00131519	2.392E-11
15D04205	2.2 %		91.259287	0.922489	3.646695	0.479604	0.308455	0.003327	186.156	39.623109	1.00131526	1.625E-11
15D04206	2.3 %		90.135755	0.982152	4.535304	0.533753	0.307070	0.003545	186.165	39.630719	1.00131533	1.483E-11
15D04208	2.4 %	✓	88.525862	1.294721	4.737088	0.688342	0.297416	0.004507	186.183	39.644855	1.00131546	1.094E-11
15D04209	2.6 %	✓	79.943566	0.799832	5.922699	0.493651	0.268961	0.002884	186.193	39.652469	1.00131552	1.381E-11
15D04210	2.8 %	✓	75.399261	0.818769	7.485504	0.527410	0.255362	0.002947	186.202	39.659540	1.00131559	1.221E-11
15D04212	3.0 %	✓	74.271773	0.976350	7.628256	0.655593	0.250609	0.003449	186.220	39.673687	1.00131572	9.737E-12
15D04213	3.2 %	✓	65.949708	0.707665	10.298512	0.517462	0.223217	0.002550	186.229	39.680762	1.00131578	1.135E-11
15D04214	3.4 %	✓	66.862477	1.085835	8.914182	0.799831	0.227051	0.003828	186.238	39.687838	1.00131584	7.178E-12
15D04216	3.6 %	✓	56.247918	0.565326	14.524843	0.545847	0.191190	0.002102	186.256	39.701995	1.00131597	9.734E-12
15D04217	3.9 %	✓	52.957141	0.546965	15.676746	0.562527	0.178493	0.002014	186.265	39.708530	1.00131603	8.698E-12
15D04218	4.2 %		50.925176	0.645613	17.057992	0.688982	0.176129	0.002387	186.273	39.715067	1.00131609	6.732E-12
15D04220	4.5 %		49.893787	0.730811	21.066971	0.811977	0.173895	0.002703	186.290	39.728688	1.00131621	5.886E-12
15D04221	4.8 %	✓	42.691774	0.475376	26.130574	0.633659	0.148276	0.001794	186.299	39.735773	1.00131628	6.735E-12
15D04222	5.1 %	✓	39.500801	0.506805	29.149556	0.762151	0.137058	0.001886	186.308	39.742314	1.00131633	5.475E-12
15D04224	5.4 %	✓	36.963366	0.477191	34.107761	0.783894	0.132010	0.001843	186.325	39.755945	1.00131646	5.105E-12
15D04225	5.8 %	✓	34.169401	0.437025	39.043649	0.840030	0.121175	0.001664	186.334	39.763035	1.00131652	4.729E-12
15D04226	6.2 %	✓	31.174750	0.379789	46.641477	0.863461	0.114094	0.001511	186.342	39.769580	1.00131658	4.570E-12
15D04228	6.8 %	✓	27.945791	0.316754	55.468789	0.901882	0.105424	0.001315	186.360	39.783220	1.00131670	4.369E-12
15D04229	7.4 %	✓	24.742311	0.253351	64.319082	0.898636	0.096083	0.001090	186.369	39.790315	1.00131677	4.316E-12
15D04230	8.3 %	✓	20.368646	0.148314	74.880525	0.774669	0.085172	0.000744	186.377	39.796865	1.00131682	4.657E-12
15D04232	9.3 %	✓	19.421048	0.134715	84.264867	0.827303	0.084765	0.000719	186.394	39.810514	1.00131695	4.750E-12
15D04233	10.4 %	✓	19.773383	0.138613	86.048482	0.841921	0.086238	0.000734	186.403	39.817614	1.00131701	4.812E-12
15D04234	11.7 %	✓	21.070061	0.151803	80.678490	0.807210	0.090252	0.000794	186.412	39.824168	1.00131707	5.118E-12
15D04236	13.5 %	✓	22.748407	0.152646	78.953883	0.772537	0.094400	0.000770	186.429	39.837827	1.00131719	5.756E-12
15D04237	15.5 %	✓	25.910651	0.202788	77.818191	0.847899	0.104957	0.000940	186.438	39.844931	1.00131726	5.984E-12
15D04238	17.6 %	✓	29.599840	0.274610	85.232722	1.024896	0.118132	0.001234	186.447	39.852037	1.00131732	5.570E-12
15D04240	19.8 %	✓	32.184274	0.337283	105.467776	1.359683	0.132460	0.001521	186.465	39.865705	1.00131744	5.092E-12
15D04241	22.1 %		34.619087	0.613438	170.895105	3.271041	0.155987	0.002879	186.474	39.872814	1.00131751	3.490E-12
15D04242	24.5 %		31.890786	0.882843	269.701187	7.663277	0.171911	0.004874	186.483	39.879925	1.00131757	1.942E-12

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
15D04200	1.8 %	0.0078184 ± 0.0008166	0.0139464 ± 0.0314291	0.0684272 ± 0.0269736	0.0175443 ± 0.0250279	2.3455108 ± 0.1606031
15D04201	1.9 %	0.0078608 ± 0.0008166	0.0142829 ± 0.0314291	0.0695964 ± 0.0269736	0.0137883 ± 0.0250279	2.3662789 ± 0.1606031
15D04202	2.0 %	0.0078997 ± 0.0008166	0.0146020 ± 0.0314291	0.0707814 ± 0.0269736	0.0101111 ± 0.0250279	2.3887800 ± 0.1606031
15D04204	2.1 %	0.0079562 ± 0.0008166	0.0148289 ± 0.0314291	0.0727377 ± 0.0269736	0.0044523 ± 0.0250279	2.4281296 ± 0.1606031
15D04205	2.2 %	0.0079803 ± 0.0008166	0.0146693 ± 0.0314291	0.0736628 ± 0.0269736	0.0020225 ± 0.0250279	2.4471363 ± 0.1606031
15D04206	2.3 %	0.0080017 ± 0.0008166	0.0142652 ± 0.0314291	0.0745268 ± 0.0269736	0.0000564 ± 0.0250279	2.4647103 ± 0.1606031
15D04208	2.4 %	0.0080366 ± 0.0008166	0.0127622 ± 0.0314291	0.0759694 ± 0.0269736	0.0029892 ± 0.0250279	2.4924998 ± 0.1606031
15D04209	2.6 %	0.0080537 ± 0.0008166	0.0115095 ± 0.0314291	0.0766590 ± 0.0269736	0.0040784 ± 0.0250279	2.5043803 ± 0.1606031
15D04210	2.8 %	0.0080690 ± 0.0008166	0.0100556 ± 0.0314291	0.0772447 ± 0.0269736	0.0047938 ± 0.0250279	2.5132439 ± 0.1606031
15D04212	3.0 %	0.0080992 ± 0.0008166	0.0063083 ± 0.0314291	0.0782581 ± 0.0269736	0.0054193 ± 0.0250279	2.5242140 ± 0.1606031
15D04213	3.2 %	0.0081143 ± 0.0008166	0.0040298 ± 0.0314291	0.0786859 ± 0.0269736	0.0053609 ± 0.0250279	2.5261551 ± 0.1606031
15D04214	3.4 %	0.0081297 ± 0.0008166	0.0015015 ± 0.0314291	0.0790611 ± 0.0269736	0.0050808 ± 0.0250279	2.5256740 ± 0.1606031
15D04216	3.6 %	0.0081614 ± 0.0008166	0.0042095 ± 0.0314291	0.0796535 ± 0.0269736	0.0039495 ± 0.0250279	2.5174470 ± 0.1606031
15D04217	3.9 %	0.0081764 ± 0.0008166	0.0070846 ± 0.0314291	0.0798559 ± 0.0269736	0.0032182 ± 0.0250279	2.5104499 ± 0.1606031
15D04218	4.2 %	0.0081738 ± 0.0009414	0.0145307 ± 0.0317754	0.0913433 ± 0.0268485	0.0070517 ± 0.0249405	2.4263178 ± 0.0639321
15D04220	4.5 %	0.0082056 ± 0.0009414	0.0204558 ± 0.0317754	0.0910101 ± 0.0268485	0.0057825 ± 0.0249405	2.4002551 ± 0.0639321
15D04221	4.8 %	0.0082382 ± 0.0008166	0.0198082 ± 0.0314291	0.0802166 ± 0.0269736	0.0005787 ± 0.0250279	2.4615411 ± 0.1606031
15D04222	5.1 %	0.0082518 ± 0.0008166	0.0228145 ± 0.0314291	0.0801873 ± 0.0269736	0.0015117 ± 0.0250279	2.4457089 ± 0.1606031
15D04224	5.4 %	0.0082768 ± 0.0008166	0.0286196 ± 0.0314291	0.0799822 ± 0.0269736	0.0032182 ± 0.0250279	2.4089326 ± 0.1606031
15D04225	5.8 %	0.0082869 ± 0.0008166	0.0312498 ± 0.0314291	0.0797987 ± 0.0269736	0.0038877 ± 0.0250279	2.3882908 ± 0.1606031
15D04226	6.2 %	0.0082941 ± 0.0008166	0.0333464 ± 0.0314291	0.0795825 ± 0.0269736	0.0043140 ± 0.0250279	2.3686641 ± 0.1606031
15D04228	6.8 %	0.0082997 ± 0.0008166	0.0363685 ± 0.0314291	0.0789882 ± 0.0269736	0.0044147 ± 0.0250279	2.3272389 ± 0.1606031
15D04229	7.4 %	0.0082966 ± 0.0008166	0.0370346 ± 0.0314291	0.0786022 ± 0.0269736	0.0039349 ± 0.0250279	2.3061370 ± 0.1606031
15D04230	8.3 %	0.0082890 ± 0.0008166	0.0369782 ± 0.0314291	0.0781992 ± 0.0269736	0.0030971 ± 0.0250279	2.2874066 ± 0.1606031
15D04232	9.3 %	0.0082564 ± 0.0008166	0.0343871 ± 0.0314291	0.0772155 ± 0.0269736	0.0001004 ± 0.0250279	2.2523307 ± 0.1606031
15D04233	10.4 %	0.0082287 ± 0.0008166	0.0314892 ± 0.0314291	0.0766271 ± 0.0269736	0.0026706 ± 0.0250279	2.2371422 ± 0.1606031
15D04234	11.7 %	0.0081956 ± 0.0008166	0.0277252 ± 0.0314291	0.0760372 ± 0.0269736	0.0056781 ± 0.0250279	2.2255889 ± 0.1606031
15D04236	13.5 %	0.0080995 ± 0.0008166	0.0160416 ± 0.0314291	0.0746643 ± 0.0269736	0.0141749 ± 0.0250279	2.2111730 ± 0.1606031
15D04237	15.5 %	0.0080330 ± 0.0008166	0.0076422 ± 0.0314291	0.0738734 ± 0.0269736	0.0199370 ± 0.0250279	2.2099940 ± 0.1606031
15D04238	17.6 %	0.0079537 ± 0.0008166	0.0025466 ± 0.0314291	0.0730300 ± 0.0269736	0.0267292 ± 0.0250279	2.2139961 ± 0.1606031
15D04240	19.8 %	0.0077606 ± 0.0008166	0.0277619 ± 0.0314291	0.0712599 ± 0.0269736	0.0430127 ± 0.0250279	2.2388313 ± 0.1606031
15D04241	22.1 %	0.0076365 ± 0.0008166	0.0441189 ± 0.0314291	0.0702626 ± 0.0269736	0.0533318 ± 0.0250279	2.2620689 ± 0.1606031
15D04242	24.5 %	0.0074944 ± 0.0008166	0.0629258 ± 0.0314291	0.0692126 ± 0.0269736	0.0650428 ± 0.0250279	2.2933838 ± 0.1606031

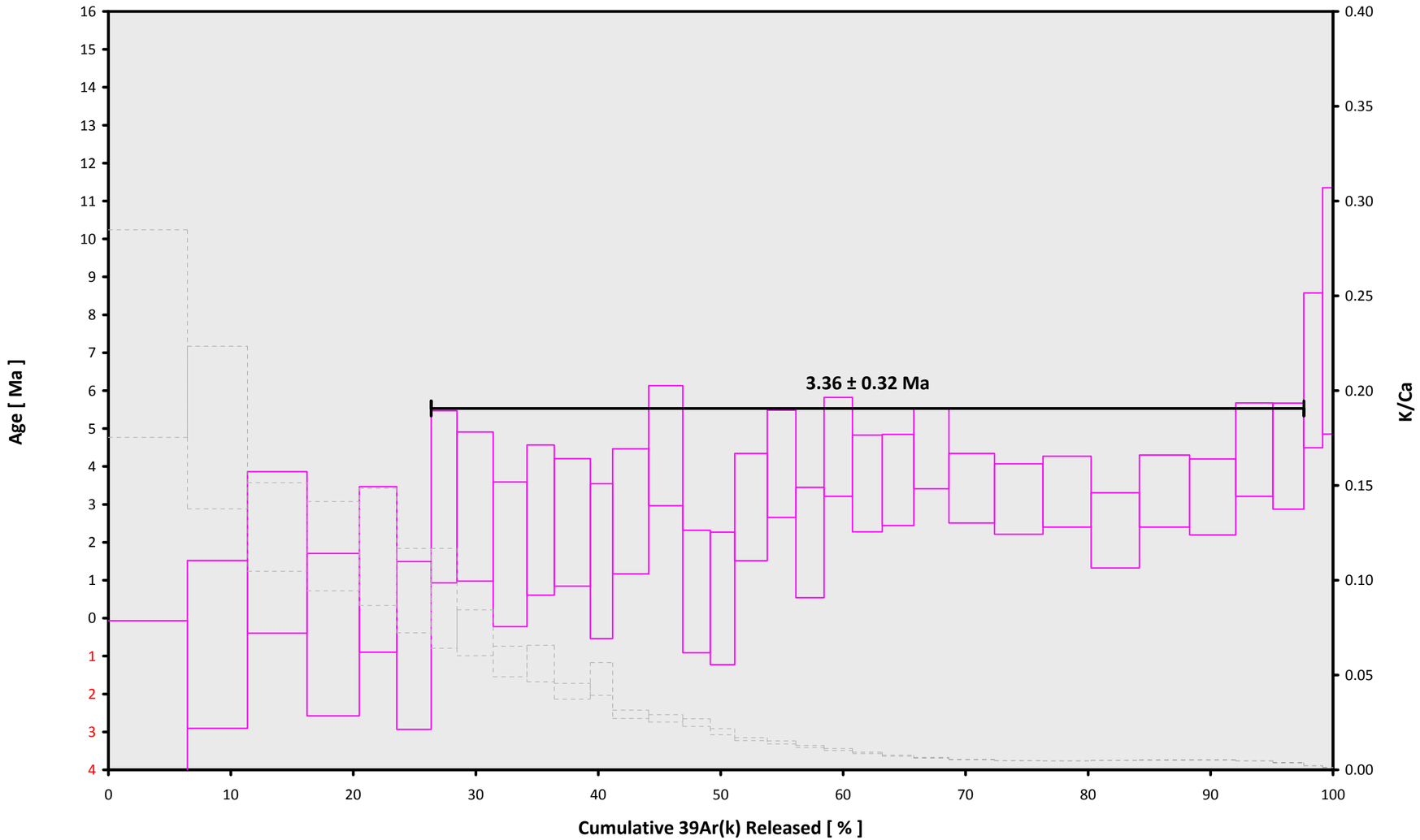
Intercept Values		36Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	37Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	38Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	39Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	40Ar ± 1σ (SE) [fA]	r2	Regression (type,n)
15D04200	1.8 %	2.6582474 ± 0.0035415	0.9645	EXP 150 of 150	0.3763162 ± 0.0293474	0.0007	EXP 150 of 150	2.3666496 ± 0.0272007	0.1864	EXP 150 of 150	7.7989832 ± 0.0245918	0.7153	EXP 150 of 150	827.283915 ± 0.066571	0.9996	EXP 150 of 150
15D04201	1.9 %	2.0111451 ± 0.0031195	0.9492	EXP 150 of 150	0.3655986 ± 0.0272682	0.0145	EXP 150 of 150	1.8182392 ± 0.0269234	0.1644	EXP 150 of 150	5.9373527 ± 0.0225863	0.5579	EXP 149 of 150	628.547476 ± 0.063548	0.9993	EXP 150 of 150
15D04202	2.0 %	1.8544658 ± 0.0032953	0.9388	EXP 150 of 150	0.5043409 ± 0.0314172	0.0115	EXP 150 of 150	1.7553716 ± 0.0276308	0.1850	EXP 150 of 150	5.8740548 ± 0.0275156	0.4914	EXP 150 of 150	583.583928 ± 0.061195	0.9992	EXP 150 of 150
15D04204	2.1 %	1.6076517 ± 0.0030422	0.9307	EXP 150 of 150	0.4833830 ± 0.0343873	0.0014	EXP 150 of 150	1.4831269 ± 0.0274986	0.0687	EXP 149 of 150	5.1722805 ± 0.0246929	0.4843	EXP 150 of 150	502.193442 ± 0.056381	0.9990	EXP 150 of 150
15D04205	2.2 %	1.0882841 ± 0.0024339	0.9037	EXP 150 of 150	0.3491467 ± 0.0305328	0.0015	EXP 150 of 150	0.9360646 ± 0.0276436	0.0030	EXP 150 of 150	3.6814802 ± 0.0273219	0.2737	EXP 150 of 150	341.922894 ± 0.055034	0.9973	EXP 150 of 150
15D04206	2.3 %	1.0019329 ± 0.0023086	0.8990	EXP 150 of 150	0.3986404 ± 0.0321908	0.0022	EXP 150 of 150	0.8965260 ± 0.0286044	0.0096	EXP 150 of 150	3.4004898 ± 0.0271507	0.1899	EXP 150 of 150	312.344826 ± 0.044903	0.9976	EXP 150 of 150
15D04208	2.4 %	0.7307031 ± 0.0018097	0.8664	EXP 150 of 150	0.3140350 ± 0.0301061	0.0091	EXP 150 of 150	0.6759060 ± 0.0257769	0.0255	EXP 150 of 150	2.5497305 ± 0.0275788	0.0898	EXP 150 of 150	230.958334 ± 0.043421	0.9939	EXP 150 of 150
15D04209	2.6 %	0.9220394 ± 0.0021742	0.8820	EXP 150 of 150	0.5382063 ± 0.0300447	0.0006	EXP 150 of 150	0.8807039 ± 0.0279801	0.0248	EXP 150 of 150	3.5660099 ± 0.0252680	0.1778	EXP 150 of 150	291.047341 ± 0.045547	0.9971	EXP 150 of 150
15D04210	2.8 %	0.8213919 ± 0.0019830	0.8865	EXP 150 of 150	0.6338499 ± 0.0297576	0.0335	EXP 150 of 150	0.7832660 ± 0.0278115	0.0130	EXP 150 of 150	3.3412816 ± 0.0261391	0.1798	EXP 150 of 150	257.578230 ± 0.041997	0.9962	EXP 150 of 150
15D04212	3.0 %	0.6543580 ± 0.0017002	0.8504	EXP 150 of 150	0.5208176 ± 0.0302206	0.0153	EXP 150 of 150	0.6460839 ± 0.0279936	0.0352	EXP 150 of 150	2.7037629 ± 0.0251629	0.1573	EXP 150 of 150	205.951915 ± 0.045234	0.9901	EXP 150 of 150
15D04213	3.2 %	0.7637235 ± 0.0018344	0.8763	EXP 150 of 150	0.9156762 ± 0.0314346	0.0041	EXP 150 of 150	0.7893429 ± 0.0277093	0.0143	EXP 150 of 150	3.5509487 ± 0.0285826	0.1850	EXP 150 of 150	239.641990 ± 0.043920	0.9947	EXP 150 of 150
15D04214	3.4 %	0.4875737 ± 0.0015185	0.7866	EXP 150 of 150	0.4936539 ± 0.0298451	0.0008	EXP 150 of 150	0.4854800 ± 0.0310890	0.0156	EXP 150 of 150	2.2133361 ± 0.0257477	0.0923	EXP 150 of 150	152.485097 ± 0.040349	0.9587	EXP 149 of 150
15D04216	3.6 %	0.6589674 ± 0.0020751	0.8120	EXP 149 of 150	1.2880403 ± 0.0338916	0.0976	EXP 150 of 150	0.7171435 ± 0.0293077	0.0289	EXP 150 of 150	3.5721938 ± 0.0254973	0.3253	EXP 150 of 150	205.879336 ± 0.046655	0.9901	EXP 150 of 150
15D04217	3.9 %	0.5848284 ± 0.0018883	0.7750	EXP 150 of 150	1.3164197 ± 0.0320182	0.0123	EXP 150 of 150	0.7232475 ± 0.0268092	0.1111	EXP 150 of 150	3.3908518 ± 0.0242260	0.2518	EXP 150 of 150	184.226610 ± 0.039825	0.9879	EXP 150 of 150
15D04218	4.2 %	0.4662021 ± 0.0014633	0.7846	EXP 150 of 150	1.1445011 ± 0.0303739	0.0299	EXP 149 of 150	0.5067034 ± 0.0265826	0.0097	EXP 150 of 150	2.7250084 ± 0.0239097	0.1758	EXP 149 of 150	143.086456 ± 0.036679	0.9539	EXP 150 of 150
15D04220	4.5 %	0.4117282 ± 0.0014712	0.7638	EXP 150 of 150	1.2563919 ± 0.0317802	0.0779	EXP 150 of 150	0.4418360 ± 0.0296840	0.0122	EXP 150 of 150	2.4320769 ± 0.0254498	0.0163	EXP 150 of 150	125.371463 ± 0.039946	0.8559	EXP 150 of 150
15D04221	4.8 %	0.4683881 ± 0.0015853	0.7600	EXP 150 of 150	2.0978497 ± 0.0308765	0.1608	EXP 150 of 150	0.5618611 ± 0.0302516	0.0248	EXP 150 of 150	3.2608665 ± 0.0259096	0.2829	EXP 149 of 150	143.179156 ± 0.039188	0.9531	EXP 149 of 150
15D04222	5.1 %	0.3819705 ± 0.0013596	0.7204	EXP 150 of 150	2.0524776 ± 0.0334086	0.1000	EXP 149 of 150	0.4631574 ± 0.0270657	0.0224	EXP 149 of 150	2.8661371 ± 0.0265157	0.2104	EXP 150 of 150	116.844675 ± 0.037764	0.7117	EXP 150 of 150
15D04224	5.4 %	0.3668868 ± 0.0014661	0.6648	EXP 150 of 150	2.3897792 ± 0.0308237	0.1411	EXP 150 of 150	0.4610421 ± 0.0285957	0.0220	EXP 150 of 150	2.8571537 ± 0.0265975	0.1975	EXP 150 of 150	109.059721 ± 0.035486	0.4597	EXP 150 of 150
15D04225	5.8 %	0.3381468 ± 0.0011854	0.7002	EXP 150 of 150	2.7423852 ± 0.0329454	0.1216	EXP 150 of 150	0.3821609 ± 0.0273397	0.0015	EXP 150 of 150	2.8637541 ± 0.0261662	0.1849	EXP 150 of 150	101.182515 ± 0.033609	0.0028	EXP 150 of 150
15D04226	6.2 %	0.3372933 ± 0.0012754	0.6881	EXP 150 of 150	3.4759175 ± 0.0322469	0.2533	EXP 150 of 150	0.4230444 ± 0.0296289	0.0047	EXP 150 of 150	3.0337518 ± 0.0265316	0.1739	EXP 150 of 150	97.848896 ± 0.031215	0.1656	EXP 150 of 150
15D04228	6.8 %	0.3324754 ± 0.0012684	0.6227	EXP 150 of 150	4.4125284 ± 0.0334675	0.3971	EXP 150 of 150	0.4222245 ± 0.0308649	0.0102	EXP 150 of 150	3.2349227 ± 0.0259898	0.2280	EXP 150 of 150	93.598855 ± 0.029920	0.3356	EXP 150 of 150
15D04229	7.4 %	0.3379505 ± 0.0011532	0.6735	EXP 149 of 150	5.7178636 ± 0.0321758	0.5159	EXP 150 of 150	0.4649869 ± 0.0294777	0.0313	EXP 150 of 150	3.6084130 ± 0.0261868	0.3202	EXP 150 of 150	92.469729 ± 0.035848	0.4756	EXP 150 of 150
15D04230	8.3 %	0.3913208 ± 0.0013730	0.7623	EXP 150 of 150	8.7435002 ± 0.0297298	0.7606	EXP 150 of 150	0.4929565 ± 0.0301859	0.0012	EXP 150 of 150	4.7277004 ± 0.0219387	0.6733	EXP 149 of 150	99.579168 ± 0.037242	0.0000	EXP 150 of 150
15D04232	9.3 %	0.4161091 ± 0.0015148	0.7386	EXP 150 of 150	10.5337108 ± 0.0326802	0.7467	EXP 150 of 150	0.6052304 ± 0.0271167	0.0004	EXP 150 of 150	5.0548303 ± 0.0227965	0.6559	EXP 150 of 150	101.503695 ± 0.034538	0.2387	EXP 150 of 150
15D04233	10.4 %	0.4210338 ± 0.0015016	0.7265	EXP 150 of 150	10.7028285 ± 0.0305340	0.8110	EXP 150 of 150	0.6737900 ± 0.0261445	0.0011	EXP 150 of 150	5.0262359 ± 0.0231356	0.5689	EXP 149 of 150	102.768882 ± 0.036453	0.2494	EXP 150 of 150
15D04234	11.7 %	0.4394491 ± 0.0016986	0.7127	EXP 150 of 150	10.0171953 ± 0.0286760	0.7345	EXP 149 of 150	0.7802545 ± 0.0265104	0.0346	EXP 150 of 150	5.0143082 ± 0.0246809	0.5361	EXP 150 of 150	109.159880 ± 0.033590	0.7427	EXP 150 of 150
15D04236	13.5 %	0.4779788 ± 0.0015977	0.7656	EXP 150 of 150	10.2205491 ± 0.0332311	0.7655	EXP 150 of 150	0.7219338 ± 0.0291735	0.0258	EXP 150 of 150	5.2151366 ± 0.0232254	0.6108	EXP 150 of 150	122.477550 ± 0.035358	0.9345	EXP 149 of 150
15D04237	15.5 %	0.4848470 ± 0.0014389	0.8084	EXP 150 of 150	9.1991394 ± 0.0355907	0.6665	EXP 150 of 150	0.6280177 ± 0.0272080	0.0241	EXP 150 of 150	4.7527922 ± 0.0267784	0.4969	EXP 150 of 150	127.234132 ± 0.039524	0.9382	EXP 150 of 150
15D04238	17.6 %	0.4451894 ± 0.0015637	0.7329	EXP 150 of 150	8.2167812 ± 0.0299246	0.6890	EXP 150 of 150	0.5218885 ± 0.0227889	0.0146	EXP 150 of 150	3.8617362 ± 0.0252320	0.3876	EXP 150 of 150	118.577392 ± 0.038029	0.8951	EXP 150 of 150
15D04240	19.8 %	0.4199949 ± 0.0014114	0.7615	EXP 150 of 150	8.5713722 ± 0.0303608	0.6908	EXP 150 of 150	0.4276401 ± 0.0288696	0.0001	EXP 150 of 150	3.2265375 ± 0.0227208	0.3275	EXP 149 of 150	108.623872 ± 0.038885	0.7573	EXP 150 of 150
15D04241	22.1 %	0.3169883 ± 0.0012420	0.6115	EXP 150 of 150	8.8643196 ± 0.0306985	0.7178	EXP 150 of 150	0.2533422 ± 0.0284155	0.0005	EXP 150 of 150	2.0301640 ± 0.0266898	0.0259	EXP 150 of 150	75.183822 ± 0.033683	0.8813	EXP 150 of 150
15D04242	24.5 %	0.2133795 ± 0.0011107	0.4054	EXP 150 of 150	8.4674084 ± 0.0272664	0.7620	EXP 150 of 150	0.1204180 ± 0.0299885	0.0050	EXP 150 of 150	1.1931561 ± 0.0236729	0.0009	EXP 150 of 150	42.859500 ± 0.028194	0.9868	EXP 150 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
15D04200	1.8 %	Kevin Konrad	14-OSU-04	0.00	0.00	18.05	Lau Basin\Mullions (13-INT-09)	15D04199	01
15D04201	1.9 %	Kevin Konrad	14-OSU-04	0.00	0.00	18.05	Lau Basin\Mullions (13-INT-09)	15D04199	01
15D04202	2.0 %	Kevin Konrad	14-OSU-04	0.00	0.00	18.05	Lau Basin\Mullions (13-INT-09)	15D04199	01
15D04204	2.1 %	Kevin Konrad	14-OSU-04	0.00	0.00	18.05	Lau Basin\Mullions (13-INT-09)	15D04199	01
15D04205	2.2 %	Kevin Konrad	14-OSU-04	0.00	0.00	18.05	Lau Basin\Mullions (13-INT-09)	15D04199	01
15D04206	2.3 %	Kevin Konrad	14-OSU-04	0.00	0.00	18.05	Lau Basin\Mullions (13-INT-09)	15D04199	01
15D04208	2.4 %	Kevin Konrad	14-OSU-04	0.00	0.00	18.05	Lau Basin\Mullions (13-INT-09)	15D04199	01
15D04209	2.6 %	Kevin Konrad	14-OSU-04	0.00	0.00	18.05	Lau Basin\Mullions (13-INT-09)	15D04199	01
15D04210	2.8 %	Kevin Konrad	14-OSU-04	0.00	0.00	18.05	Lau Basin\Mullions (13-INT-09)	15D04199	01
15D04212	3.0 %	Kevin Konrad	14-OSU-04	0.00	0.00	18.05	Lau Basin\Mullions (13-INT-09)	15D04199	01
15D04213	3.2 %	Kevin Konrad	14-OSU-04	0.00	0.00	18.05	Lau Basin\Mullions (13-INT-09)	15D04199	01
15D04214	3.4 %	Kevin Konrad	14-OSU-04	0.00	0.00	18.05	Lau Basin\Mullions (13-INT-09)	15D04199	01
15D04216	3.6 %	Kevin Konrad	14-OSU-04	0.00	0.00	18.05	Lau Basin\Mullions (13-INT-09)	15D04199	01
15D04217	3.9 %	Kevin Konrad	14-OSU-04	0.00	0.00	18.05	Lau Basin\Mullions (13-INT-09)	15D04199	01
15D04218	4.2 %	Kevin Konrad	14-OSU-04	0.00	0.00	18.05	Lau Basin\Mullions (13-INT-09)	15D04199	01
15D04220	4.5 %	Kevin Konrad	14-OSU-04	0.00	0.00	18.05	Lau Basin\Mullions (13-INT-09)	15D04199	01
15D04221	4.8 %	Kevin Konrad	14-OSU-04	0.00	0.00	18.05	Lau Basin\Mullions (13-INT-09)	15D04199	01
15D04222	5.1 %	Kevin Konrad	14-OSU-04	0.00	0.00	18.05	Lau Basin\Mullions (13-INT-09)	15D04199	01
15D04224	5.4 %	Kevin Konrad	14-OSU-04	0.00	0.00	18.05	Lau Basin\Mullions (13-INT-09)	15D04199	01
15D04225	5.8 %	Kevin Konrad	14-OSU-04	0.00	0.00	18.05	Lau Basin\Mullions (13-INT-09)	15D04199	01
15D04226	6.2 %	Kevin Konrad	14-OSU-04	0.00	0.00	18.05	Lau Basin\Mullions (13-INT-09)	15D04199	01
15D04228	6.8 %	Kevin Konrad	14-OSU-04	0.00	0.00	18.05	Lau Basin\Mullions (13-INT-09)	15D04199	01
15D04229	7.4 %	Kevin Konrad	14-OSU-04	0.00	0.00	18.05	Lau Basin\Mullions (13-INT-09)	15D04199	01
15D04230	8.3 %	Kevin Konrad	14-OSU-04	0.00	0.00	18.05	Lau Basin\Mullions (13-INT-09)	15D04199	01
15D04232	9.3 %	Kevin Konrad	14-OSU-04	0.00	0.00	18.05	Lau Basin\Mullions (13-INT-09)	15D04199	01
15D04233	10.4 %	Kevin Konrad	14-OSU-04	0.00	0.00	18.05	Lau Basin\Mullions (13-INT-09)	15D04199	01
15D04234	11.7 %	Kevin Konrad	14-OSU-04	0.00	0.00	18.05	Lau Basin\Mullions (13-INT-09)	15D04199	01
15D04236	13.5 %	Kevin Konrad	14-OSU-04	0.00	0.00	18.05	Lau Basin\Mullions (13-INT-09)	15D04199	01
15D04237	15.5 %	Kevin Konrad	14-OSU-04	0.00	0.00	18.05	Lau Basin\Mullions (13-INT-09)	15D04199	01
15D04238	17.6 %	Kevin Konrad	14-OSU-04	0.00	0.00	18.05	Lau Basin\Mullions (13-INT-09)	15D04199	01
15D04240	19.8 %	Kevin Konrad	14-OSU-04	0.00	0.00	18.05	Lau Basin\Mullions (13-INT-09)	15D04199	01
15D04241	22.1 %	Kevin Konrad	14-OSU-04	0.00	0.00	18.05	Lau Basin\Mullions (13-INT-09)	15D04199	01
15D04242	24.5 %	Kevin Konrad	14-OSU-04	0.00	0.00	18.05	Lau Basin\Mullions (13-INT-09)	15D04199	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
15D04200	1.8 %	RR1310-D43-39	Groundmass	Lau Basin	FCT-NM (R98) (4C8-14)	28.201	0.082	Kuiper et al (2008)	9.15448	0.132	0.00171691	0.132	303.693	0.177	0.9932468	0.073	1	4.8E-14	8	FEB	2015	18	34	1
15D04201	1.9 %	RR1310-D43-39	Groundmass	Lau Basin	FCT-NM (R98) (4C8-14)	28.201	0.082	Kuiper et al (2008)	9.15448	0.132	0.00171691	0.132	303.693	0.177	0.9932468	0.073	1	4.8E-14	8	FEB	2015	18	48	1
15D04202	2.0 %	RR1310-D43-39	Groundmass	Lau Basin	FCT-NM (R98) (4C8-14)	28.201	0.082	Kuiper et al (2008)	9.15448	0.132	0.00171691	0.132	303.693	0.177	0.9932468	0.073	1	4.8E-14	8	FEB	2015	19	3	1
15D04204	2.1 %	RR1310-D43-39	Groundmass	Lau Basin	FCT-NM (R98) (4C8-14)	28.201	0.082	Kuiper et al (2008)	9.15448	0.132	0.00171691	0.132	303.693	0.177	0.9932468	0.073	1	4.8E-14	8	FEB	2015	19	30	1
15D04205	2.2 %	RR1310-D43-39	Groundmass	Lau Basin	FCT-NM (R98) (4C8-14)	28.201	0.082	Kuiper et al (2008)	9.15448	0.132	0.00171691	0.132	303.693	0.177	0.9932468	0.073	1	4.8E-14	8	FEB	2015	19	44	1
15D04206	2.3 %	RR1310-D43-39	Groundmass	Lau Basin	FCT-NM (R98) (4C8-14)	28.201	0.082	Kuiper et al (2008)	9.15448	0.132	0.00171691	0.132	303.693	0.177	0.9932468	0.073	1	4.8E-14	8	FEB	2015	19	58	1
15D04208	2.4 %	RR1310-D43-39	Groundmass	Lau Basin	FCT-NM (R98) (4C8-14)	28.201	0.082	Kuiper et al (2008)	9.15448	0.132	0.00171691	0.132	303.693	0.177	0.9932468	0.073	1	4.8E-14	8	FEB	2015	20	24	1
15D04209	2.6 %	RR1310-D43-39	Groundmass	Lau Basin	FCT-NM (R98) (4C8-14)	28.201	0.082	Kuiper et al (2008)	9.15448	0.132	0.00171691	0.132	303.693	0.177	0.9932468	0.073	1	4.8E-14	8	FEB	2015	20	38	1
15D04210	2.8 %	RR1310-D43-39	Groundmass	Lau Basin	FCT-NM (R98) (4C8-14)	28.201	0.082	Kuiper et al (2008)	9.15448	0.132	0.00171691	0.132	303.693	0.177	0.9932468	0.073	1	4.8E-14	8	FEB	2015	20	51	1
15D04212	3.0 %	RR1310-D43-39	Groundmass	Lau Basin	FCT-NM (R98) (4C8-14)	28.201	0.082	Kuiper et al (2008)	9.15448	0.132	0.00171691	0.132	303.693	0.177	0.9932468	0.073	1	4.8E-14	8	FEB	2015	21	17	1
15D04213	3.2 %	RR1310-D43-39	Groundmass	Lau Basin	FCT-NM (R98) (4C8-14)	28.201	0.082	Kuiper et al (2008)	9.15448	0.132	0.00171691	0.132	303.693	0.177	0.9932468	0.073	1	4.8E-14	8	FEB	2015	21	30	1
15D04214	3.4 %	RR1310-D43-39	Groundmass	Lau Basin	FCT-NM (R98) (4C8-14)	28.201	0.082	Kuiper et al (2008)	9.15448	0.132	0.00171691	0.132	303.693	0.177	0.9932468	0.073	1	4.8E-14	8	FEB	2015	21	43	1
15D04216	3.6 %	RR1310-D43-39	Groundmass	Lau Basin	FCT-NM (R98) (4C8-14)	28.201	0.082	Kuiper et al (2008)	9.15448	0.132	0.00171691	0.132	303.693	0.177	0.9932468	0.073	1	4.8E-14	8	FEB	2015	22	9	1
15D04217	3.9 %	RR1310-D43-39	Groundmass	Lau Basin	FCT-NM (R98) (4C8-14)	28.201	0.082	Kuiper et al (2008)	9.15448	0.132	0.00171691	0.132	303.693	0.177	0.9932468	0.073	1	4.8E-14	8	FEB	2015	22	21	1
15D04218	4.2 %	RR1310-D43-39	Groundmass	Lau Basin	FCT-NM (R98) (4C8-14)	28.201	0.082	Kuiper et al (2008)	9.15448	0.132	0.00171691	0.132	303.693	0.177	0.9932468	0.073	1	4.8E-14	8	FEB	2015	22	33	1
15D04220	4.5 %	RR1310-D43-39	Groundmass	Lau Basin	FCT-NM (R98) (4C8-14)	28.201	0.082	Kuiper et al (2008)	9.15448	0.132	0.00171691	0.132	303.693	0.177	0.9932468	0.073	1	4.8E-14	8	FEB	2015	22	58	1
15D04221	4.8 %	RR1310-D43-39	Groundmass	Lau Basin	FCT-NM (R98) (4C8-14)	28.201	0.082	Kuiper et al (2008)	9.15448	0.132	0.00171691	0.132	303.693	0.177	0.9932468	0.073	1	4.8E-14	8	FEB	2015	23	11	1
15D04222	5.1 %	RR1310-D43-39	Groundmass	Lau Basin	FCT-NM (R98) (4C8-14)	28.201	0.082	Kuiper et al (2008)	9.15448	0.132	0.00171691	0.132	303.693	0.177	0.9932468	0.073	1	4.8E-14	8	FEB	2015	23	23	1
15D04224	5.4 %	RR1310-D43-39	Groundmass	Lau Basin	FCT-NM (R98) (4C8-14)	28.201	0.082	Kuiper et al (2008)	9.15448	0.132	0.00171691	0.132	303.693	0.177	0.9932468	0.073	1	4.8E-14	8	FEB	2015	23	48	1
15D04225	5.8 %	RR1310-D43-39	Groundmass	Lau Basin	FCT-NM (R98) (4C8-14)	28.201	0.082	Kuiper et al (2008)	9.15448	0.132	0.00171691	0.132	303.693	0.177	0.9932468	0.073	1	4.8E-14	9	FEB	2015	0	1	1
15D04226	6.2 %	RR1310-D43-39	Groundmass	Lau Basin	FCT-NM (R98) (4C8-14)	28.201	0.082	Kuiper et al (2008)	9.15448	0.132	0.00171691	0.132	303.693	0.177	0.9932468	0.073	1	4.8E-14	9	FEB	2015	0	13	1
15D04228	6.8 %	RR1310-D43-39	Groundmass	Lau Basin	FCT-NM (R98) (4C8-14)	28.201	0.082	Kuiper et al (2008)	9.15448	0.132	0.00171691	0.132	303.693	0.177	0.9932468	0.073	1	4.8E-14	9	FEB	2015	0	38	1
15D04229	7.4 %	RR1310-D43-39	Groundmass	Lau Basin	FCT-NM (R98) (4C8-14)	28.201	0.082	Kuiper et al (2008)	9.15448	0.132	0.00171691	0.132	303.693	0.177	0.9932468	0.073	1	4.8E-14	9	FEB	2015	0	51	1
15D04230	8.3 %	RR1310-D43-39	Groundmass	Lau Basin	FCT-NM (R98) (4C8-14)	28.201	0.082	Kuiper et al (2008)	9.15448	0.132	0.00171691	0.132	303.693	0.177	0.9932468	0.073	1	4.8E-14	9	FEB	2015	1	3	1
15D04232	9.3 %	RR1310-D43-39	Groundmass	Lau Basin	FCT-NM (R98) (4C8-14)	28.201	0.082	Kuiper et al (2008)	9.15448	0.132	0.00171691	0.132	303.693	0.177	0.9932468	0.073	1	4.8E-14	9	FEB	2015	1	28	1
15D04233	10.4 %	RR1310-D43-39	Groundmass	Lau Basin	FCT-NM (R98) (4C8-14)	28.201	0.082	Kuiper et al (2008)	9.15448	0.132	0.00171691	0.132	303.693	0.177	0.9932468	0.073	1	4.8E-14	9	FEB	2015	1	41	1
15D04234	11.7 %	RR1310-D43-39	Groundmass	Lau Basin	FCT-NM (R98) (4C8-14)	28.201	0.082	Kuiper et al (2008)	9.15448	0.132	0.00171691	0.132	303.693	0.177	0.9932468	0.073	1	4.8E-14	9	FEB	2015	1	53	1
15D04236	13.5 %	RR1310-D43-39	Groundmass	Lau Basin	FCT-NM (R98) (4C8-14)	28.201	0.082	Kuiper et al (2008)	9.15448	0.132	0.00171691	0.132	303.693	0.177	0.9932468	0.073	1	4.8E-14	9	FEB	2015	2	18	1
15D04237	15.5 %	RR1310-D43-39	Groundmass	Lau Basin	FCT-NM (R98) (4C8-14)	28.201	0.082	Kuiper et al (2008)	9.15448	0.132	0.00171691	0.132	303.693	0.177	0.9932468	0.073	1	4.8E-14	9	FEB	2015	2	31	1
15D04238	17.6 %	RR1310-D43-39	Groundmass	Lau Basin	FCT-NM (R98) (4C8-14)	28.201	0.082	Kuiper et al (2008)	9.15448	0.132	0.00171691	0.132	303.693	0.177	0.9932468	0.073	1	4.8E-14	9	FEB	2015	2	44	1
15D04240	19.8 %	RR1310-D43-39	Groundmass	Lau Basin	FCT-NM (R98) (4C8-14)	28.201	0.082	Kuiper et al (2008)	9.15448	0.132	0.00171691	0.132	303.693	0.177	0.9932468	0.073	1	4.8E-14	9	FEB	2015	3	9	1
15D04241	22.1 %	RR1310-D43-39	Groundmass	Lau Basin	FCT-NM (R98) (4C8-14)	28.201	0.082	Kuiper et al (2008)	9.15448	0.132	0.00171691	0.132	303.693	0.177	0.9932468	0.073	1	4.8E-14	9	FEB	2015	3	22	1
15D04242	24.5 %	RR1310-D43-39	Groundmass	Lau Basin	FCT-NM (R98) (4C8-14)	28.201	0.082	Kuiper et al (2008)	9.15448	0.132	0.00171691	0.132	303.693	0.177	0.9932468	0.073	1	4.8E-14	9	FEB	2015	3	35	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
15D04200	1.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	1.39E-05	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
15D04201	1.9 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	1.39E-05	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
15D04202	2.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	1.39E-05	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
15D04204	2.1 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	1.39E-05	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
15D04205	2.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	1.39E-05	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
15D04206	2.3 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	1.39E-05	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
15D04208	2.4 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	1.39E-05	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
15D04209	2.6 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	1.39E-05	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
15D04210	2.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	1.39E-05	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
15D04212	3.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	1.39E-05	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
15D04213	3.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	1.39E-05	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
15D04214	3.4 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	1.39E-05	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
15D04216	3.6 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	1.39E-05	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
15D04217	3.9 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	1.39E-05	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
15D04218	4.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	1.39E-05	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
15D04220	4.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	1.39E-05	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
15D04221	4.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	1.39E-05	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
15D04222	5.1 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	1.39E-05	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
15D04224	5.4 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	1.39E-05	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
15D04225	5.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	1.39E-05	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
15D04226	6.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	1.39E-05	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
15D04228	6.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	1.39E-05	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
15D04229	7.4 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	1.39E-05	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
15D04230	8.3 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	1.39E-05	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
15D04232	9.3 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	1.39E-05	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
15D04233	10.4 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	1.39E-05	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
15D04234	11.7 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	1.39E-05	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
15D04236	13.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	1.39E-05	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
15D04237	15.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	1.39E-05	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
15D04238	17.6 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	1.39E-05	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
15D04240	19.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	1.39E-05	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
15D04241	22.1 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	1.39E-05	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
15D04242	24.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	1.39E-05	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0

15D04199.AGE >>> RR1310-D43-39 >>> LAU BASIN | MULLIONS (13-INT-09) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
3.36 ± 0.32
TOTAL FUSION
2.28 ± 0.32
NORMAL ISOCHRON
3.75 ± 0.70
INVERSE ISOCHRON
3.77 ± 0.64

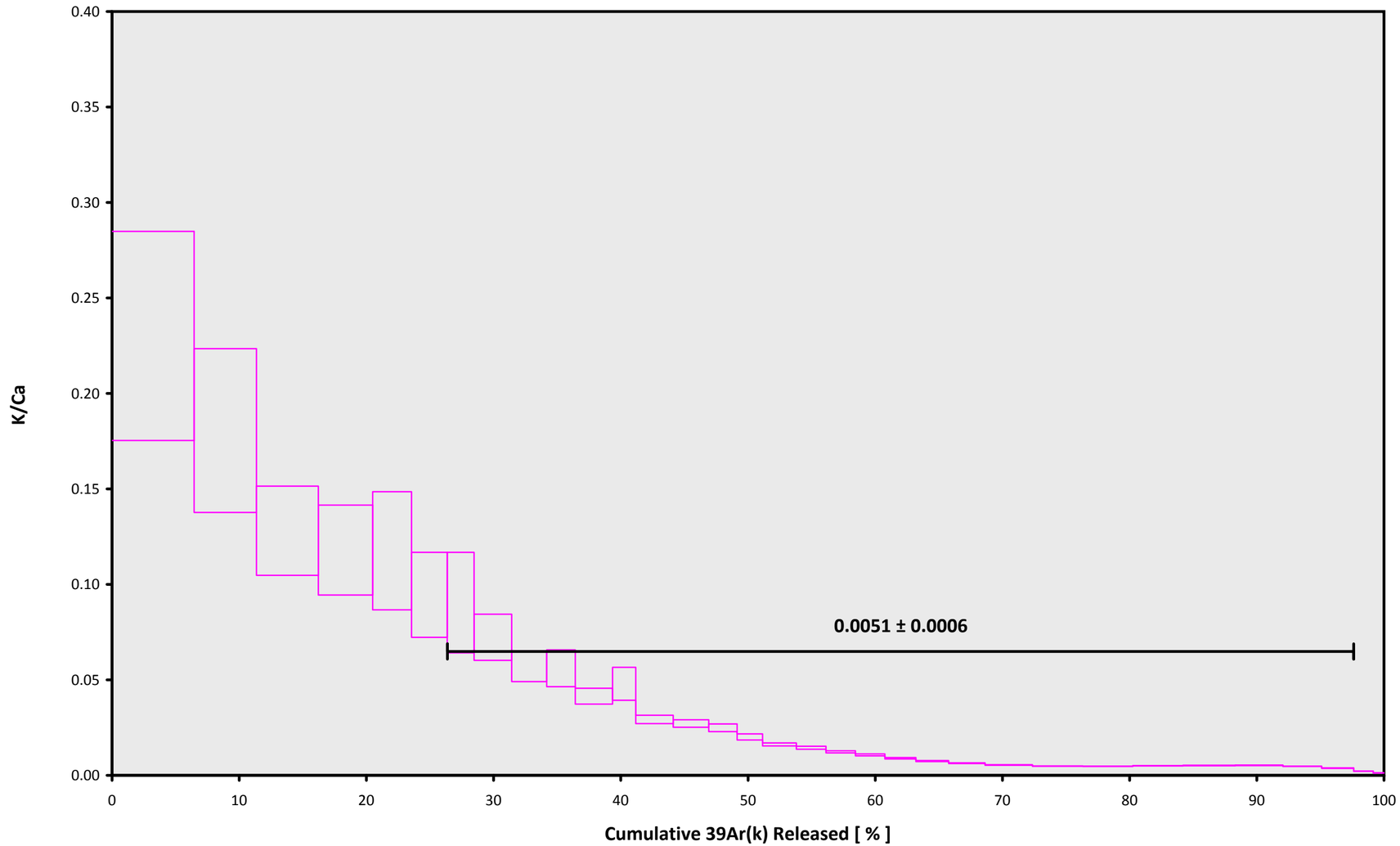
MSWD (PROBABILITY)
1.51 (6%)

Sample Info

Groundmass
Lau Basin
Kevin Konrad

IRR = 14-OSU-04 (R98)
J = 0.00171691 ± 0.00000227

15D04199.AGE >>> RR1310-D43-39 >>> LAU BASIN | MULLIONS (13-INT-09) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
3.36 ± 0.32
TOTAL FUSION
2.28 ± 0.32
NORMAL ISOCHRON
3.75 ± 0.70
INVERSE ISOCHRON
3.77 ± 0.64

Sample Info

Groundmass
Lau Basin
Kevin Konrad

IRR = 14-OSU-04 (R98)
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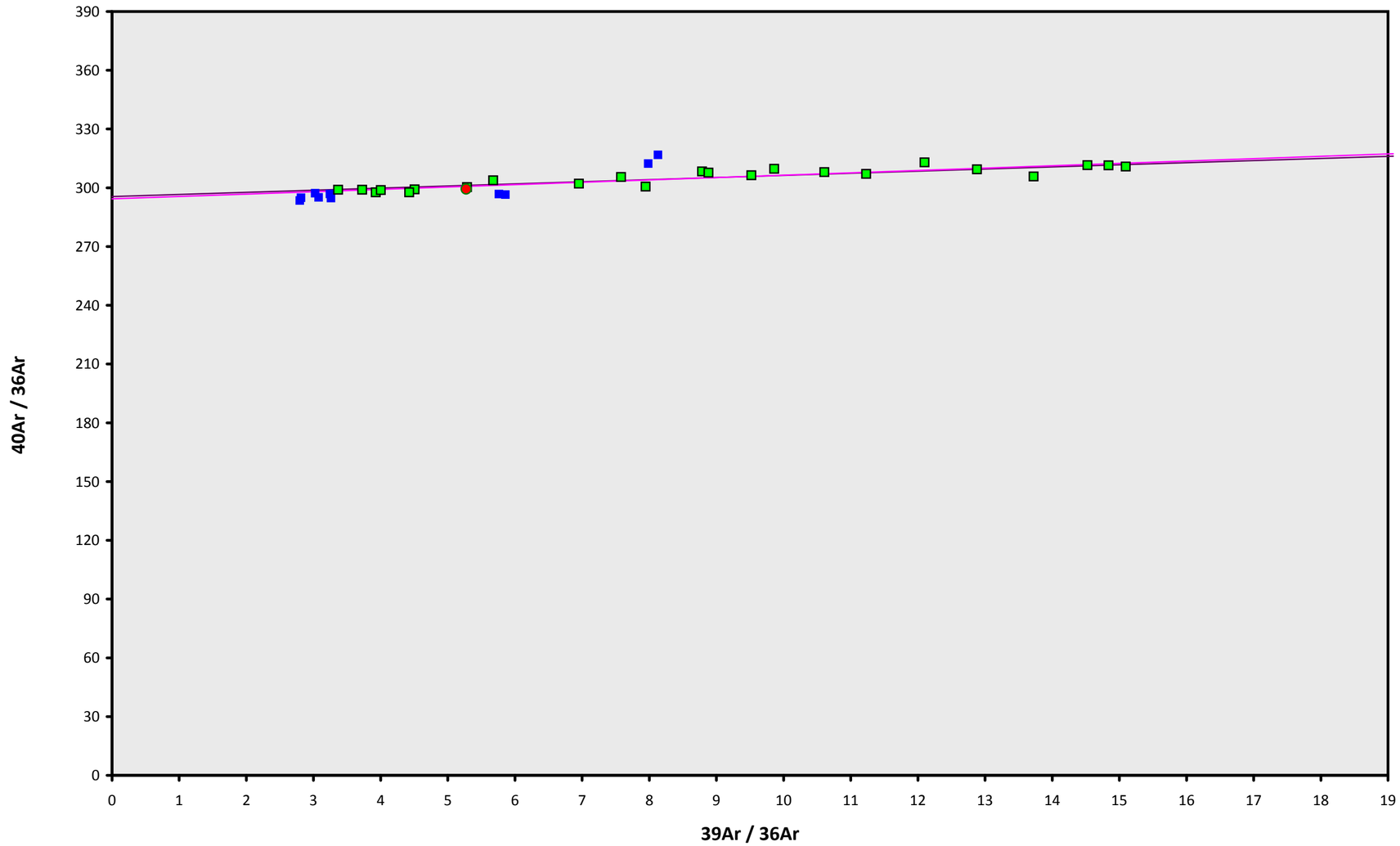
15D04199.AGE >>> RR1310-D43-39 >>> LAU BASIN | MULLIONS (13-INT-09) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
3.36 ± 0.32
TOTAL FUSION
2.28 ± 0.32
NORMAL ISOCHRON
3.75 ± 0.70
INVERSE ISOCHRON
3.77 ± 0.64

MSWD (PROBABILITY)
1.47 (8%)

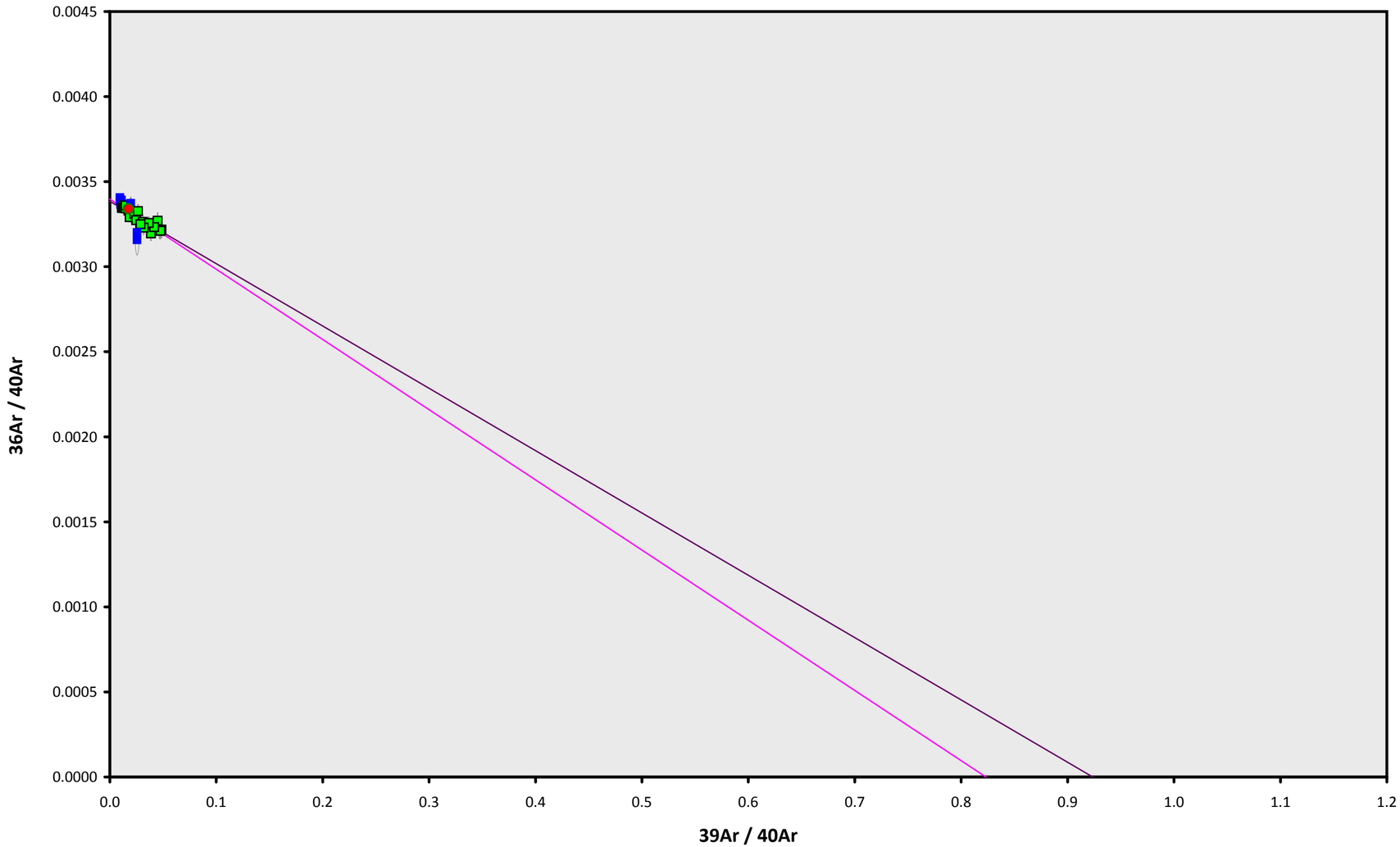
40AR/36AR INTERCEPT
294.3 ± 1.8

Sample Info

Groundmass
Lau Basin
Kevin Konrad

IRR = 14-OSU-04 (R98)
J = 0.00171691 ± 0.00000227

15D04199.AGE >>> RR1310-D43-39 >>> LAU BASIN | MULLIONS (13-INT-09) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
3.36 ± 0.32
TOTAL FUSION
2.28 ± 0.32
NORMAL ISOCHRON
3.75 ± 0.70
INVERSE ISOCHRON
3.77 ± 0.64

MSWD (PROBABILITY)
1.47 (8%)

SPREADING FACTOR
4.5%

40AR/36AR INTERCEPT
294.3 ± 1.8

Sample Info

Groundmass
Lau Basin
Kevin Konrad

IRR = 14-OSU-04 (R98)
J = 0.00171691 ± 0.00000227