Relative Abundances			36Ar [fA]	%1σ	37Ar [fA]	%1σ	38Ar [fA]	%1σ	39Ar [fA]	%1σ	40Ar [fA]	%1σ	40(r)/39(k) ± 2σ	Age ± 2σ (ka)	40Ar(r) (%)	39Ar(k) (%)	K/Ca ± 2σ
14D29548	1.8 %	✓	0.1386982	1.021	19.3843	1.326	0.326713	12.767	16.8592	0.261	41.37447	0.193	0.11213 ± 0.05065	355.6 ± 160.6	4.57	0.53	0.374 ± 0.010
14D29549	1.9 %	✓	0.0805654	1.488	23.5624	1.067	0.363677	12.068	23.5969	0.192	24.56923	0.322	0.10940 ± 0.03083	346.9 ± 97.8	10.50	0.74	0.430 ± 0.009
14D29550	2.0 %	✓	0.0734511	1.480	31.7522	0.794	0.454802	9.981	34.6457	0.142	23.88255	0.329	0.13349 ± 0.01914	423.3 ± 60.7	19.35	1.09	0.469 ± 0.008
14D29552	2.1 %	✓	0.0652105	1.676	30.1679	0.869	0.439975	9.540	35.2480	0.143	21.18799	0.373	0.12028 ± 0.01891	381.4 ± 60.0	20.00	1.11	0.502 ± 0.009
14D29553	2.2 %	✓	0.0389821	2.542	22.5897	1.124	0.345343	12.634	27.5540	0.173	13.58401	0.582	0.13800 ± 0.02208	437.6 ± 70.0	27.98	0.87	0.524 ± 0.012
14D29554	2.3 %	✓	0.0268189	3.739	15.9904	1.538	0.274844	15.076	19.8523	0.221	9.23727	0.856	0.12809 ± 0.03098	406.2 ± 98.2	27.51	0.63	0.534 ± 0.017
14D29556	2.4 %	✓	0.0334860	2.932	22.6517	1.122	0.375606	11.252	28.7187	0.174	11.69537	0.663	0.12334 ± 0.02098	391.1 ± 66.5	30.27	0.91	0.545 ± 0.012
14D29557	2.6 %	✓	0.0640949	1.669	50.5496	0.570	0.807928	5.554	64.7746	0.100	22.33965	0.354	0.11245 ± 0.01009	356.6 ± 32.0	32.59	2.04	0.551 ± 0.006
14D29558	2.8 %	✓	0.0467977	2.202	42.1738	0.641	0.643624	6.598	53.7867	0.111	17.33381	0.459	0.12541 ± 0.01174	397.7 ± 37.2	38.89	1.70	0.548 ± 0.007
14D29560	3.0 %	✓	0.0767806	1.467	75.9661	0.463	1.173363	3.666	96.9337	0.086	27.67820	0.286	0.11169 ± 0.00709	354.2 ± 22.5	39.09	3.06	0.548 ± 0.005
14D29561	3.2 %	✓	0.0533878	1.927	55.6243	0.551	0.861680	5.019	69.8012	0.097	19.13421	0.413	0.10936 ± 0.00903	346.8 ± 28.6	39.87	2.20	0.539 ± 0.006
14D29562	3.4 %	✓	0.0661058	1.604	76.1407	0.454	1.126969	3.914	95.5078	0.086	24.42218	0.328	0.11244 ± 0.00680	356.6 ± 21.6	43.95	3.01	0.539 ± 0.005
14D29564	3.6 %	✓	0.0496670	2.057	59.1896	0.506	0.826098	5.245	71.8294	0.095	18.02687	0.445	0.10998 ± 0.00873	348.8 ± 27.7	43.80	2.27	0.522 ± 0.005
14D29565	3.9 %	✓	0.0962076	1.222	135.6543	0.370	1.873038	2.328	157.3761	0.077	35.60461	0.220	0.11191 ± 0.00456	354.9 ± 14.5	49.44	4.96	0.499 ± 0.004
14D29566	4.2 %	✓	0.0860493	1.308	133.9993	0.373	1.759326	2.427	145.9967	0.078	31.95440	0.246	0.11539 ± 0.00472	365.9 ± 15.0	52.69	4.61	0.468 ± 0.004
14D29568	4.5 %	✓	0.1389462	1.005	245.7953	0.341	2.886569	1.512	239.0052	0.074	49.38980	0.158	0.11418 ± 0.00356	362.1 ± 11.3	55.22	7.54	0.418 ± 0.003
14D29569	4.8 %	✓	0.1433399	0.868	285.2412	0.336	2.944645	1.511	241.2386	0.074	47.88365	0.169	0.11427 ± 0.00319	362.4 ± 10.1	57.52	7.61	0.363 ± 0.003
14D29570	5.1 %	✓	0.0610473	1.860	126.7344	0.379	1.195966	3.470	98.2095	0.085	19.35235	0.405	0.11316 ± 0.00707	358.8 ± 22.4	57.38	3.10	0.333 ± 0.003
14D29572	5.4 %	✓	0.0712995	1.519	159.4840	0.362	1.404976	3.064	114.4497	0.081	21.64430	0.366	0.11287 ± 0.00582	357.9 ± 18.5	59.63	3.61	0.308 ± 0.002
14D29573	5.8 %	✓	0.0738047	1.596	174.7317	0.356	1.482002	2.906	116.4857	0.082	21.87072	0.367	0.11671 ± 0.00620	370.1 ± 19.7	62.10	3.67	0.286 ± 0.002
14D29574	6.2 %	✓	0.0892741	1.273	218.5010	0.348	1.736879	2.435	134.6385	0.078	25.11548	0.311	0.11639 ± 0.00520	369.1 ± 16.5	62.32	4.25	0.265 ± 0.002
14D29576	6.8 %	✓	0.1244699	1.046	313.3602	0.337	2.346214	1.855	178.5499	0.075	33.58597	0.233	0.11822 ± 0.00450	374.9 ± 14.3	62.77	5.63	0.245 ± 0.002
14D29577	7.4 %	✓	0.1199322	1.030	294.6255	0.337	2.181352	1.881	163.0192	0.077	31.40801	0.251	0.11547 ± 0.00469	366.2 ± 14.9	59.86	5.14	0.238 ± 0.002
14D29578	8.3 %	✓	0.1331427	0.925	304.2234	0.336	2.437616	1.754	179.4092	0.076	36.87715	0.220	0.11775 ± 0.00426	373.4 ± 13.5	57.22	5.66	0.253 ± 0.002
14D29580	9.3 %	✓	0.1180739	1.064	232.1843	0.343	2.197311	1.997	158.4936	0.077	35.51112	0.223	0.11740 ± 0.00486	372.3 ± 15.4	52.35	5.00	0.293 ± 0.002
14D29581	10.4 %	✓	0.1017732	1.176	175.4030	0.351	1.775957	2.428	129.9527	0.079	31.73547	0.251	0.11727 ± 0.00564	371.9 ± 17.9	47.98	4.10	0.318 ± 0.002
14D29582	11.7 %	✓	0.1165412	1.092	178.9494	0.353	1.692795	2.500	123.0003	0.080	34.37892	0.232	0.11221 ± 0.00631	355.9 ± 20.0	40.11	3.88	0.295 ± 0.002
14D29584	13.5 %	✓	0.1513500	0.902	229.9518	0.342	1.880591	2.313	124.8491	0.080	41.00096	0.194	0.11314 ± 0.00667	358.8 ± 21.1	34.41	3.94	0.233 ± 0.002
14D29585	15.5 %	✓	0.1578107	0.881	231.2554	0.343	1.722499	2.487	98.1590	0.085	39.63954	0.200	0.11196 ± 0.00863	355.1 ± 27.4	27.68	3.09	0.182 ± 0.001
14D29586	17.6 %	✓	0.1260077	1.032	171.2150	0.358	1.166104	3.822	61.8492	0.102	31.38295	0.257	0.12085 ± 0.01282	383.2 ± 40.6	23.77	1.95	0.155 ± 0.001
14D29588	19.8 %	✓	0.1322938	0.909	199.1044	0.348	0.972997	4.530	40.0024	0.131	27.95136	0.285	0.10965 ± 0.01847	347.7 ± 58.6	15.64	1.26	0.086 ± 0.001
14D29589	22.1 %	✓	0.0970501	1.229	159.4719	0.361	0.451491	9.394	17.4302	0.258	18.41076	0.425	0.12503 ± 0.04200	396.5 ± 133.2	11.76	0.55	0.047 ± 0.000
14D29590	24.5 %	✓	0.0839784	1.322	158.6676	0.360	0.324612	12.940	9.9149	0.436	13.39892	0.588	0.09786 ± 0.06943	310.3 ± 220.2	7.16	0.31	0.027 ± 0.000
		Σ	3.0364385	0.223	4654.2958	0.074	42.453559	0.583	3171.1378	0.017	902.56225	0.050					

Information on Analysis and Constants Used in Calculations

Project = **MULLIONS (13-INT-09)**
Sample = **RR1310-D42-02**
Material = **Groundmass**
Location = **Lau Basin**
Region = **South Pacific**
Analyst = **Chris Conatser**
Irradiation = **14-OSU-04 (4C2-14)**
Position = **X: 0 | Y: 0 | Z/H: 5.1 mm**
FCT-NM Age = **28.201 ± 0.023 Ma**
FCT-NM Reference = **Kuiper et al (2008)**
FCT-NM 40Ar/39Ar Ratio = **8.96167 ± 0.01183**
FCT-NM J-value = **0.00175385 ± 0.00000232**
Air Shot 40Ar/36Ar = **303.7280 ± 0.4829**
Air Shot MDF = **0.99321874 ± 0.00069505 (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-D42-02**
Rock Class = **Igneous>Volcanic>Mafic**
Lithology = **Basalt**
Lat-Lon = **12°54.9'S - 173°23.2'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 (ka)	MSWD	39Ar(k) (%,n)	K/Ca ± 2σ
Age Plateau		0.11505 ± 0.00114 (± 0.99%)	**364.8 ± 3.7 (± 1.02%)**	0.93 (57%)	100.00 (33)	0.087 ± 0.036
		Full External Error ± 9.0		1.50	2σ Confidence Limit	
		Analytical Error ± 3.6		1.0000	Error Magnification	
Total Fusion Age		0.11535 ± 0.00131 (± 1.13%)	**365.8 ± 4.3 (± 1.16%)**		33	0.293 ± 0.000
		Full External Error ± 9.3				
		Analytical Error ± 4.1				
Normal Isochron	**295.94 ± 3.52 (± 1.19%)**	0.11470 ± 0.00183 (± 1.59%)	**363.7 ± 5.9 (± 1.61%)**	0.93 (58%)	100.00 (33)	
		Full External Error ± 10.1		1.51	2σ Confidence Limit	
		Analytical Error ± 5.8		1.0000	Error Magnification	
				11	Number of Iterations	
				0.0000009168	Convergence	
Inverse Isochron	**296.18 ± 3.52 (± 1.19%)**	0.11478 ± 0.00182 (± 1.58%)	**364.0 ± 5.8 (± 1.60%)**	0.96 (53%)	100.00 (33)	
		Full External Error ± 10.1		1.51	2σ Confidence Limit	
		Analytical Error ± 5.8		1.0000	Error Magnification	
Notes				3	Number of Iterations	
A long reliable plateau.				0.0003320407	Convergence	
				57%	Spreading Factor	

Incremental Heating			36Ar(a) [fA]	37Ar(ca) [fA]	38Ar(cl) [fA]	39Ar(k) [fA]	40Ar(r) [fA]	Age ± 2σ (ka)	40Ar(r) (%)	39Ar(k) (%)	K/Ca ± 2σ
14D29548	1.8 %	✓	0.1335653	19.3843	0.1097703	16.8462	1.88890	355.6 ± 160.6	4.57	0.53	0.374 ± 0.010
14D29549	1.9 %	✓	0.0743335	23.5624	0.0811045	23.5810	2.57987	346.9 ± 97.8	10.50	0.74	0.430 ± 0.009
14D29550	2.0 %	✓	0.0650618	31.7522	0.0481765	34.6243	4.62183	423.3 ± 60.7	19.35	1.09	0.469 ± 0.008
14D29552	2.1 %	✓	0.0572422	30.1679	0.0279655	35.2277	4.23732	381.4 ± 60.0	20.00	1.11	0.502 ± 0.009
14D29553	2.2 %	✓	0.0330148	22.5897	0.0254669	27.5388	3.80033	437.6 ± 70.0	27.98	0.87	0.524 ± 0.012
14D29554	2.3 %	✓	0.0225911	15.9904	0.0446026	19.8415	2.54155	406.2 ± 98.2	27.51	0.63	0.534 ± 0.017
14D29556	2.4 %	✓	0.0274998	22.6517	0.0435061	28.7034	3.54020	391.1 ± 66.5	30.27	0.91	0.545 ± 0.012
14D29557	2.6 %	✓	0.0507412	50.5496	0.0609938	64.7406	7.28024	356.6 ± 32.0	32.59	2.04	0.551 ± 0.006
14D29558	2.8 %	✓	0.0356604	42.1738	0.0246031	53.7583	6.74187	397.7 ± 37.2	38.89	1.70	0.548 ± 0.007
14D29560	3.0 %	✓	0.0567172	75.9661	0.0591820	96.8826	10.82041	354.2 ± 22.5	39.09	3.06	0.548 ± 0.005
14D29561	3.2 %	✓	0.0386945	55.6243	0.0597637	69.7637	7.62951	346.8 ± 28.6	39.87	2.20	0.539 ± 0.006
14D29562	3.4 %	✓	0.0460003	76.1407	0.0310177	95.4566	10.73268	356.6 ± 21.6	43.95	3.01	0.539 ± 0.005
14D29564	3.6 %	✓	0.0340406	59.1896	0.0019476	71.7896	7.89536	348.8 ± 27.7	43.80	2.27	0.522 ± 0.005
14D29565	3.9 %	✓	0.0603850	135.6543	0.0699662	157.2848	17.60198	354.9 ± 14.5	49.44	4.96	0.499 ± 0.004
14D29566	4.2 %	✓	0.0506612	133.9993	0.0875783	145.9065	16.83666	365.9 ± 15.0	52.69	4.61	0.468 ± 0.004
14D29568	4.5 %	✓	0.0740348	245.7953	0.1513180	238.8398	27.27128	362.1 ± 11.3	55.22	7.54	0.418 ± 0.003
14D29569	4.8 %	✓	0.0680101	285.2412	0.1848585	241.0466	27.54321	362.4 ± 10.1	57.52	7.61	0.363 ± 0.003
14D29570	5.1 %	✓	0.0275792	126.7344	0.0723961	98.1242	11.10358	358.8 ± 22.4	57.38	3.10	0.333 ± 0.003
14D29572	5.4 %	✓	0.0291822	159.4840	0.0960881	114.3424	12.90547	357.9 ± 18.5	59.63	3.61	0.308 ± 0.002
14D29573	5.8 %	✓	0.0276543	174.7317	0.1501360	116.3681	13.58134	370.1 ± 19.7	62.10	3.67	0.286 ± 0.002
14D29574	6.2 %	✓	0.0315619	218.5010	0.1974298	134.4915	15.65309	369.1 ± 16.5	62.32	4.25	0.265 ± 0.002
14D29576	6.8 %	✓	0.0416998	313.3602	0.3045666	178.3390	21.08357	374.9 ± 14.3	62.77	5.63	0.245 ± 0.002
14D29577	7.4 %	✓	0.0421063	294.6255	0.3164853	162.8209	18.80116	366.2 ± 14.9	59.86	5.14	0.238 ± 0.002
14D29578	8.3 %	✓	0.0527735	304.2234	0.3841779	179.2044	21.10159	373.4 ± 13.5	57.22	5.66	0.253 ± 0.002
14D29580	9.3 %	✓	0.0567233	232.1843	0.3816033	158.3373	18.58947	372.3 ± 15.4	52.35	5.00	0.293 ± 0.002
14D29581	10.4 %	✓	0.0554265	175.4030	0.2856409	129.8346	15.22582	371.9 ± 17.9	47.98	4.10	0.318 ± 0.002
14D29582	11.7 %	✓	0.0692591	178.9494	0.2789908	122.8798	13.78876	355.9 ± 20.0	40.11	3.88	0.295 ± 0.002
14D29584	13.5 %	✓	0.0905803	229.9518	0.4414441	124.6943	14.10854	358.8 ± 21.1	34.41	3.94	0.233 ± 0.002
14D29585	15.5 %	✓	0.0966764	231.2554	0.5859372	98.0034	10.97268	355.1 ± 27.4	27.68	3.09	0.182 ± 0.001
14D29586	17.6 %	✓	0.0807439	171.2150	0.4461002	61.7340	7.46079	383.2 ± 40.6	23.77	1.95	0.155 ± 0.001
14D29588	19.8 %	✓	0.0796593	199.1044	0.5016384	39.8684	4.37177	347.7 ± 58.6	15.64	1.26	0.086 ± 0.001
14D29589	22.1 %	✓	0.0549153	159.4719	0.2418764	17.3228	2.16580	396.5 ± 133.2	11.76	0.55	0.047 ± 0.000
14D29590	24.5 %	✓	0.0420615	158.6676	0.2029288	9.8081	0.95985	310.3 ± 220.2	7.16	0.31	0.027 ± 0.000
		Σ	1.8068565	4654.2958	5.9992613	3168.0054	365.43646				

Information on Analysis
Project = **MULLIONS (13-INT-09)**
Sample = **RR1310-D42-02**
Material = **Groundmass**
Location = **Lau Basin**
Region = **South Pacific**
Analyst = **Chris Conatser**
Irradiation = **14-OSU-04 (4C2-14)**
J = **0.00175385 ± 0.00000232**
FCT-NM = **28.201 ± 0.023 Ma**

Results	40(r)/39(k) ± 2σ		Age ± 2σ (ka)	MSWD	39Ar(k) (%,n)	K/Ca ± 2σ
Age Plateau	0.11505	± 0.00114	**364.8 ± 3.7**	0.93	100.00	0.087 ± 0.036
		± 0.99%	**± 1.02%**	57%	33	
		Full External Error	± 9.0	1.50	2σ Confidence Limit	
		Analytical Error	± 3.6	1.0000	Error Magnification	
Total Fusion Age	0.11535	± 0.00131	**365.8 ± 4.3**		33	0.293 ± 0.000
		± 1.13%	**± 1.16%**			
		Full External Error	± 9.3			
		Analytical Error	± 4.1			

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
14D29548	1.8 %	✓	126.13 ± 2.76	309.64 ± 6.68	0.9554
14D29549	1.9 %	✓	317.23 ± 10.32	330.21 ± 10.88	0.9738
14D29550	2.0 %	✓	532.18 ± 17.88	366.54 ± 12.50	0.9777
14D29552	2.1 %	✓	615.41 ± 23.61	369.52 ± 14.40	0.9787
14D29553	2.2 %	✓	834.14 ± 50.26	410.61 ± 25.16	0.9801
14D29554	2.3 %	✓	878.29 ± 78.23	408.00 ± 36.96	0.9807
14D29556	2.4 %	✓	1043.77 ± 74.80	424.24 ± 30.88	0.9821
14D29557	2.6 %	✓	1275.90 ± 53.99	438.98 ± 18.82	0.9851
14D29558	2.8 %	✓	1507.51 ± 87.39	484.56 ± 28.42	0.9869
14D29560	3.0 %	✓	1708.17 ± 68.12	486.28 ± 19.57	0.9889
14D29561	3.2 %	✓	1802.93 ± 96.22	492.67 ± 26.59	0.9875
14D29562	3.4 %	✓	2075.13 ± 96.08	528.82 ± 24.71	0.9893
14D29564	3.6 %	✓	2108.94 ± 127.01	527.44 ± 32.10	0.9887
14D29565	3.9 %	✓	2604.70 ± 102.12	587.00 ± 23.14	0.9929
14D29566	4.2 %	✓	2880.05 ± 128.91	627.84 ± 28.25	0.9934
14D29568	4.5 %	✓	3226.05 ± 123.30	663.86 ± 25.44	0.9958
14D29569	4.8 %	✓	3544.28 ± 132.43	700.49 ± 26.26	0.9951
14D29570	5.1 %	✓	3557.90 ± 294.85	698.11 ± 58.12	0.9950
14D29572	5.4 %	✓	3918.23 ± 293.71	737.74 ± 55.55	0.9950
14D29573	5.8 %	✓	4207.96 ± 361.93	786.61 ± 67.89	0.9962
14D29574	6.2 %	✓	4261.19 ± 311.57	791.45 ± 58.07	0.9961
14D29576	6.8 %	✓	4276.74 ± 273.20	801.10 ± 51.30	0.9970
14D29577	7.4 %	✓	3866.90 ± 231.92	742.02 ± 44.65	0.9961
14D29578	8.3 %	✓	3395.73 ± 162.37	695.35 ± 33.37	0.9953
14D29580	9.3 %	✓	2791.40 ± 125.45	623.22 ± 28.13	0.9945
14D29581	10.4 %	✓	2342.47 ± 102.14	570.20 ± 25.01	0.9927
14D29582	11.7 %	✓	1774.21 ± 65.80	494.59 ± 18.47	0.9913
14D29584	13.5 %	✓	1376.62 ± 42.03	451.26 ± 13.87	0.9906
14D29585	15.5 %	✓	1013.73 ± 29.53	409.00 ± 12.01	0.9890
14D29586	17.6 %	✓	764.57 ± 24.86	387.90 ± 12.75	0.9857
14D29588	19.8 %	✓	500.49 ± 15.34	350.38 ± 10.89	0.9794
14D29589	22.1 %	✓	315.45 ± 13.91	334.94 ± 14.94	0.9749
14D29590	24.5 %	✓	233.18 ± 12.60	318.32 ± 17.37	0.9634

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (ka)	MSWD
Normal Isochron	**295.94 ± 3.52** **± 1.19%**	0.11470 ± 0.00183 ± 1.59%	**363.7 ± 5.9** **± 1.61%** Full External Error ± 10.1 Analytical Error ± 5.8	0.93 58%

Statistics				
2σ Confidence Limit	1.51	Convergence	0.000000916776
Error Magnification	1.0000	Number of Iterations	11
Number of Data Points	33	Calculated Line	Weighted York-2

Inverse Isochron			39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
14D29548	1.8 %	✓	0.4073309 ± 0.0026454	0.00322953 ± 0.00006971	0.1062
14D29549	1.9 %	✓	0.9607111 ± 0.0072120	0.00302841 ± 0.00009976	0.1679
14D29550	2.0 %	✓	1.4518994 ± 0.0104131	0.00272823 ± 0.00009307	0.1773
14D29552	2.1 %	✓	1.6654225 ± 0.0133390	0.00270618 ± 0.00010548	0.1792
14D29553	2.2 %	✓	2.0314561 ± 0.0247207	0.00243540 ± 0.00014924	0.1825
14D29554	2.3 %	✓	2.1526565 ± 0.0381369	0.00245097 ± 0.00022205	0.1833
14D29556	2.4 %	✓	2.4603553 ± 0.0337828	0.00235718 ± 0.00017160	0.1765
14D29557	2.6 %	✓	2.9065206 ± 0.0214351	0.00227802 ± 0.00009764	0.1594
14D29558	2.8 %	✓	3.1111021 ± 0.0294818	0.00206374 ± 0.00012105	0.1527
14D29560	3.0 %	✓	3.5127406 ± 0.0210443	0.00205644 ± 0.00008278	0.1367
14D29561	3.2 %	✓	3.6594972 ± 0.0311829	0.00202975 ± 0.00010956	0.1497
14D29562	3.4 %	✓	3.9240920 ± 0.0267011	0.00189101 ± 0.00008838	0.1363
14D29564	3.6 %	✓	3.9984473 ± 0.0365515	0.00189595 ± 0.00011538	0.1437
14D29565	3.9 %	✓	4.4373381 ± 0.0207554	0.00170359 ± 0.00006716	0.1059
14D29566	4.2 %	✓	4.5872416 ± 0.0237586	0.00159277 ± 0.00007168	0.1046
14D29568	4.5 %	✓	4.8595474 ± 0.0170315	0.00150635 ± 0.00005773	0.0753
14D29569	4.8 %	✓	5.0597321 ± 0.0187635	0.00142758 ± 0.00005352	0.0833
14D29570	5.1 %	✓	5.0965013 ± 0.0424011	0.00143245 ± 0.00011926	0.0957
14D29572	5.4 %	✓	5.3111342 ± 0.0400073	0.00135549 ± 0.00010207	0.0954
14D29573	5.8 %	✓	5.3494730 ± 0.0404317	0.00127127 ± 0.00010972	0.0835
14D29574	6.2 %	✓	5.3840432 ± 0.0346706	0.00126351 ± 0.00009270	0.0826
14D29576	6.8 %	✓	5.3385563 ± 0.0262588	0.00124828 ± 0.00007993	0.0696
14D29577	7.4 %	✓	5.2113414 ± 0.0275123	0.00134768 ± 0.00008109	0.0803
14D29578	8.3 %	✓	4.8834665 ± 0.0228030	0.00143812 ± 0.00006902	0.0870
14D29580	9.3 %	✓	4.4789805 ± 0.0212031	0.00160456 ± 0.00007243	0.0939
14D29581	10.4 %	✓	4.1081270 ± 0.0217031	0.00175376 ± 0.00007693	0.1096
14D29582	11.7 %	✓	3.5872276 ± 0.0176570	0.00202188 ± 0.00007551	0.1178
14D29584	13.5 %	✓	3.0506242 ± 0.0128110	0.00221603 ± 0.00006811	0.1169
14D29585	15.5 %	✓	2.4785539 ± 0.0107892	0.00244499 ± 0.00007178	0.1257
14D29586	17.6 %	✓	1.9710341 ± 0.0109222	0.00257798 ± 0.00008472	0.1459
14D29588	19.8 %	✓	1.4284067 ± 0.0089738	0.00285404 ± 0.00008867	0.1666
14D29589	22.1 %	✓	0.9418030 ± 0.0093747	0.00298562 ± 0.00013314	0.1627
14D29590	24.5 %	✓	0.7325487 ± 0.0107705	0.00314149 ± 0.00017146	0.1727

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (ka)	MSWD
Inverse Isochron	**296.18 ± 3.52 ± 1.19%**	0.11478 ± 0.00182 ± 1.58%	**364.0 ± 5.8 ± 1.60%**	0.96 53%
			Full External Error ± 10.1	
			Analytical Error ± 5.8	

Statistics				
	2σ Confidence Limit	1.51	Convergence	0.0003320407
	Error Magnification	1.0000	Number of Iterations	3
	Number of Data Points	33	Calculated Line	Weighted York-2
	Spreading Factor	57.1%		

Degassing Patterns			36Ar(a) [fA]	%1σ	36Ar(c) [fA]	%1σ	36Ar(ca) [fA]	%1σ	36Ar(cl) [fA]	%1σ	37Ar(ca) [fA]	%1σ	38Ar(a) [fA]	%1σ	38Ar(c) [fA]	%1σ	38Ar(k) [fA]	%1σ	38Ar(ca) [fA]	%1σ	38Ar(cl) [fA]	%1σ	39Ar(k) [fA]	%1σ	39Ar(ca) [fA]	%1σ	40Ar(r) [fA]	%1σ	40Ar(a) [fA]	%1σ	40Ar(c) [fA]	%1σ	40Ar(k) [fA]	%1σ
14D29548	1.8 %	✓	0.1335653	1.06	0.0000000	0.00	0.0051175	1.33	0.0000155	38.01	19.3843	1.33	0.0249634	1.06	0.0000000	0.00	0.191709	0.26	0.0002694	1.33	0.1097703	38.03	16.8462	0.26	0.0130456	1.33	1.88890	22.59	39.46855	1.06	0.0000000	0.00	0.0170146	0.26
14D29549	1.9 %	✓	0.0743335	1.62	0.0000000	0.00	0.0062205	1.07	0.0000114	54.13	23.5624	1.07	0.0138929	1.62	0.0000000	0.00	0.268352	0.19	0.0003275	1.07	0.0811045	54.13	23.5810	0.19	0.0158575	1.07	2.57987	14.09	21.96554	1.62	0.0000000	0.00	0.0238169	0.19
14D29550	2.0 %	✓	0.0650618	1.67	0.0000000	0.00	0.0083826	0.79	0.0000068	94.24	31.7522	0.79	0.0121600	1.67	0.0000000	0.00	0.394024	0.14	0.0004414	0.79	0.0481765	94.24	34.6243	0.14	0.0213692	0.79	4.62183	7.17	19.22575	1.67	0.0000000	0.00	0.0349705	0.14
14D29552	2.1 %	✓	0.0572422	1.91	0.0000000	0.00	0.0079643	0.87	0.0000039	150.11	30.1679	0.87	0.0106986	1.91	0.0000000	0.00	0.400891	0.14	0.0004193	0.87	0.0279655	150.11	35.2277	0.14	0.0203030	0.87	4.23732	7.86	16.91508	1.91	0.0000000	0.00	0.0355800	0.14
14D29553	2.2 %	✓	0.0330148	3.01	0.0000000	0.00	0.0059637	1.12	0.0000036	171.35	22.5897	1.12	0.0061705	3.01	0.0000000	0.00	0.313392	0.17	0.0003140	1.12	0.0254669	171.35	27.5388	0.17	0.0152029	1.12	3.80033	8.00	9.75587	3.01	0.0000000	0.00	0.0278142	0.17
14D29554	2.3 %	✓	0.0225911	4.45	0.0000000	0.00	0.0042215	1.54	0.0000063	92.92	15.9904	1.54	0.0042223	4.45	0.0000000	0.00	0.225797	0.22	0.0002223	1.54	0.0446026	92.92	19.8415	0.22	0.0107615	1.54	2.54155	12.09	6.67568	4.45	0.0000000	0.00	0.0200400	0.22
14D29556	2.4 %	✓	0.0274998	3.58	0.0000000	0.00	0.0059800	1.12	0.0000061	97.16	22.6517	1.12	0.0051397	3.58	0.0000000	0.00	0.326645	0.17	0.0003149	1.12	0.0435061	97.16	28.7034	0.17	0.0152446	1.12	3.54020	8.50	8.12618	3.58	0.0000000	0.00	0.0289905	0.17
14D29557	2.6 %	✓	0.0507412	2.11	0.0000000	0.00	0.0133451	0.57	0.0000086	73.58	50.5496	0.57	0.0094835	2.11	0.0000000	0.00	0.736748	0.10	0.0007026	0.57	0.0609938	73.59	64.7406	0.10	0.0340199	0.57	7.28024	4.49	14.99403	2.11	0.0000000	0.00	0.0653880	0.10
14D29558	2.8 %	✓	0.0356604	2.90	0.0000000	0.00	0.0111339	0.64	0.0000035	172.64	42.1738	0.64	0.0066649	2.90	0.0000000	0.00	0.611770	0.11	0.0005862	0.64	0.0246031	172.64	53.7583	0.11	0.0283829	0.64	6.74187	4.68	10.53765	2.90	0.0000000	0.00	0.0542959	0.11
14D29560	3.0 %	✓	0.0567172	1.99	0.0000000	0.00	0.0200551	0.46	0.0000083	72.71	75.9661	0.46	0.0106005	1.99	0.0000000	0.00	1.102524	0.09	0.0010559	0.46	0.0591820	72.72	96.8826	0.09	0.0511252	0.46	10.82041	3.17	16.75994	1.99	0.0000000	0.00	0.0978514	0.09
14D29561	3.2 %	✓	0.0386945	2.67	0.0000000	0.00	0.0146848	0.55	0.0000084	72.39	55.6243	0.55	0.0072320	2.67	0.0000000	0.00	0.793911	0.10	0.0007732	0.55	0.0597637	72.40	69.7637	0.10	0.0374352	0.55	7.62951	4.13	11.43424	2.67	0.0000000	0.00	0.0704614	0.10
14D29562	3.4 %	✓	0.0460003	2.31	0.0000000	0.00	0.0201012	0.45	0.0000044	142.25	76.1407	0.45	0.0085975	2.31	0.0000000	0.00	1.086296	0.09	0.0010584	0.45	0.0310177	142.25	95.4566	0.09	0.0512427	0.45	10.73268	3.02	13.59308	2.31	0.0000000	0.00	0.0964111	0.09
14D29564	3.6 %	✓	0.0340406	3.01	0.0000000	0.00	0.0156261	0.51	0.0000003	######	59.1896	0.51	0.0063622	3.01	0.0000000	0.00	0.816965	0.09	0.0008227	0.51	0.0019476	######	71.7896	0.09	0.0398346	0.51	7.89536	3.97	10.05900	3.01	0.0000000	0.00	0.0725075	0.09
14D29565	3.9 %	✓	0.0603850	1.96	0.0000000	0.00	0.0358127	0.37	0.0000099	62.35	135.6543	0.37	0.0112860	1.96	0.0000000	0.00	1.789901	0.08	0.0018856	0.37	0.0699662	62.36	157.2848	0.08	0.0912953	0.37	17.60198	2.03	17.84377	1.96	0.0000000	0.00	0.1588576	0.08
14D29566	4.2 %	✓	0.0506612	2.24	0.0000000	0.00	0.0353758	0.37	0.0000124	48.79	133.9993	0.37	0.0094686	2.24	0.0000000	0.00	1.660416	0.08	0.0018626	0.37	0.0875783	48.80	145.9065	0.08	0.0901815	0.37	16.83666	2.04	14.97037	2.24	0.0000000	0.00	0.1473656	0.08
14D29568	4.5 %	✓	0.0740348	1.91	0.0000000	0.00	0.0648900	0.34	0.0000214	28.89	245.7953	0.34	0.0138371	1.91	0.0000000	0.00	2.717997	0.07	0.0034166	0.34	0.1513180	28.90	238.8398	0.07	0.1654202	0.34	27.27128	1.56	21.87729	1.91	0.0000000	0.00	0.2412282	0.07
14D29569	4.8 %	✓	0.0680101	1.87	0.0000000	0.00	0.0753037	0.34	0.0000261	24.11	285.2412	0.34	0.0127111	1.87	0.0000000	0.00	2.743110	0.07	0.0039649	0.34	0.1848585	24.13	241.0466	0.07	0.1919673	0.34	27.54321	1.39	20.09698	1.87	0.0000000	0.00	0.2434571	0.07
14D29570	5.1 %	✓	0.0275792	4.14	0.0000000	0.00	0.0334579	0.38	0.0000102	57.35	126.7344	0.38	0.0051546	4.14	0.0000000	0.00	1.116653	0.09	0.0017616	0.38	0.0723961	57.36	98.1242	0.09	0.0852923	0.38	11.10358	3.12	8.14966	4.14	0.0000000	0.00	0.0991054	0.09
14D29572	5.4 %	✓	0.0291822	3.75	0.0000000	0.00	0.0421038	0.36	0.0000136	44.83	159.4840	0.36	0.0054542	3.75	0.0000000	0.00	1.301217	0.08	0.0022168	0.36	0.0960881	44.84	114.3424	0.08	0.1073327	0.36	12.90547	2.58	8.62334	3.75	0.0000000	0.00	0.1154858	0.08
14D29573	5.8 %	✓	0.0276543	4.30	0.0000000	0.00	0.0461292	0.36	0.0000212	28.71	174.7317	0.36	0.0051686	4.30	0.0000000	0.00	1.324269	0.08	0.0024288	0.36	0.1501360	28.72	116.3681	0.08	0.1175945	0.36	13.58134	2.65	8.17184	4.30	0.0000000	0.00	0.1175317	0.08
14D29574	6.2 %	✓	0.0315619	3.66	0.0000000	0.00	0.0576843	0.35	0.0000279	21.45	218.5010	0.35	0.0058989	3.66	0.0000000	0.00	1.530513	0.08	0.0030372	0.35	0.1974298	21.47	134.4915	0.08	0.1470511	0.35	15.65309	2.23	9.32655	3.66	0.0000000	0.00	0.1358364	0.08
14D29576	6.8 %	✓	0.0416998	3.19	0.0000000	0.00	0.0827271	0.34	0.0000430	14.33	313.3602	0.34	0.0077937	3.19	0.0000000	0.00	2.029498	0.08	0.0043557	0.34	0.3045666	14.36	178.3390	0.08	0.2108914	0.34	21.08357	1.90	12.32228	3.19	0.0000000	0.00	0.1801224	0.08
14D29577	7.4 %	✓	0.0421063	3.00	0.0000000	0.00	0.0777811	0.34	0.0000447	13.01	294.6255	0.34	0.0078697	3.00	0.0000000	0.00	1.852902	0.08	0.0040953	0.34	0.3164853	13.04	162.8209	0.08	0.1982830	0.34	18.80116	2.03	12.44241	3.00	0.0000000	0.00	0.1644491	0.08
14D29578	8.3 %	✓	0.0527735	2.39	0.0000000	0.00	0.0803150	0.34	0.0000543	11.18	304.2234	0.34	0.0098634	2.39	0.0000000	0.00	2.039346	0.08	0.0042287	0.34	0.3841779	11.21	179.2044	0.08	0.2047423	0.34	21.10159	1.81	15.59456	2.39	0.0000000	0.00	0.1809965	0.08
14D29580	9.3 %	✓	0.0567233	2.25	0.0000000	0.00	0.0612967	0.34	0.0000539	11.54	232.1843	0.34	0.0106016	2.25	0.0000000	0.00	1.801879	0.08	0.0032274	0.34	0.3816033	11.58	158.3373	0.08	0.1562600	0.34	18.58947	2.07	16.76173	2.25	0.0000000	0.00	0.1599207	0.08
14D29581	10.4 %	✓	0.0554265	2.18	0.0000000	0.00	0.0463064	0.35	0.0000404	15.13	175.4030	0.35	0.0103592	2.18	0.0000000	0.00	1.477518	0.08	0.0024381	0.35	0.2856409	15.16	129.8346	0.08	0.1180462	0.35	15.22582	2.40	16.37852	2.18	0.0000000	0.00	0.1311330	0.08
14D29582	11.7 %	✓	0.0692591	1.85	0.0000000	0.00	0.0472426	0.35	0.0000394	15.20	178.9494	0.35	0.0129445	1.85	0.0000000	0.00	1.398372	0.08	0.0024874	0.35	0.2789908	15.23	122.8798	0.08	0.1204330	0.35	13.78876	2.81	20.46606	1.85	0.0000000	0.00	0.1241086	0.08
14D29584	13.5 %	✓	0.0905803	1.52	0.0000000	0.00	0.0607073	0.34	0.0000624	9.90	229.9518	0.34	0.0169295	1.52	0.0000000	0.00	1.419021	0.08	0.0031963	0.34	0.4414441	9.94	124.6943	0.08	0.1547576	0.34	14.10854	2.95	26.76648	1.52	0.0000000	0.00	0.1259413	0.08
14D29585	15.5 %	✓	0.0966764	1.45	0.0000000	0.00	0.0610514	0.34	0.0000829	7.37	231.2554	0.34	0.0180688	1.45	0.0000000	0.00	1.115279	0.08	0.0032145	0.34	0.5859372	7.43	98.0034	0.08	0.1556349	0.34	10.97268	3.85	28.56788	1.45	0.0000000	0.00	0.0989834	0.08
14D29586	17.6 %	✓	0.0807439	1.62	0.0000000	0.00	0.0452008	0.36	0.0000631	10.03	171.2150	0.36	0.0150910	1.62	0.0000000	0.00	0.702533	0.10	0.0023799	0.36	0.4461002	10.08	61.7340	0.10	0.1152277	0.36	7.46079	5.30	23.85981	1.62	0.0000000	0.00	0.0623513	0.10
14D29588	19.8 %	✓	0.0796593	1.53	0.0000000	0.00	0.0525636	0.35	0.0000710	8.84	199.1044	0.35	0.0148883	1.53	0.0000000	0.00	0.453702	0.13	0.0027676	0.35	0.5016384	8.88	39.8684	0.13	0.1339973	0.35	4.37177	8.42	23.53933	1.53	0.0000000	0.00	0.0402671	0.13
14D29589	22.1 %	✓	0.0549153	2.19	0.0000000	0.00	0.0421006	0.36	0.0000342	17.56	159.4719	0.36	0.0102637	2.19	0.0000000	0.00	0.197134	0.26	0.0022167	0.36	0.2418764	17.58	17.3228	0.26	0.1073246	0.36	2.16580	16.79	16.22747	2.19	0.0000000	0.00	0.0174961	0.26
14D29590	24.5 %	✓	0.0420615	2.66	0.0000000	0.00	0.0418883	0.36	0.0000287	20.72	158.6676	0.36	0.0078613	2.66	0.0000000	0.00	0.111616	0.44	0.0022055	0.36	0.2029288	20.74	9.8081	0.44	0.1067833	0.36	0.95985	35.47	12.42916	2.66	0.0000000	0.00	0.0099062	0.44
		Σ	1.8068565	0.38	0.0000000	0.00	1.2287341	0.07	0.0008479	4.13	4654.2958	0.07	0.3377015	0.38	0.0000000	0.00	36.051902	0.02	0.0646947	0.07	5.9992613	4.14	3168.0054	0.02	3.1323411	0.07	365.43646	0.57	533.92610	0.38	0.0000000	0.00	3.1996855	0.02
		Σ							3.0364385	0.23	4654.2958	0.07									42.453559	0.59			3171.1378	0.02							902.56225	0.32

Additional Parameters			40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
14D29548	1.8 %	✓	2.454116	0.007964	1.149775	0.015544	0.008227	0.000087	86.773	5.564497	1.00061334	1.986E-12
14D29549	1.9 %	✓	1.041205	0.003905	0.998537	0.010828	0.003414	0.000051	86.782	5.565490	1.00061340	1.179E-12
14D29550	2.0 %	✓	0.689337	0.002469	0.916483	0.007391	0.002120	0.000032	86.790	5.566406	1.00061346	1.146E-12
14D29552	2.1 %	✓	0.601112	0.002404	0.855874	0.007534	0.001850	0.000031	86.808	5.568315	1.00061358	1.017E-12
14D29553	2.2 %	✓	0.492996	0.002994	0.819834	0.009326	0.001415	0.000036	86.816	5.569231	1.00061364	6.520E-13
14D29554	2.3 %	✓	0.465300	0.004113	0.805467	0.012513	0.001351	0.000051	86.825	5.570225	1.00061371	4.434E-13
14D29556	2.4 %	✓	0.407239	0.002789	0.788744	0.008957	0.001166	0.000034	86.842	5.572135	1.00061383	5.614E-13
14D29557	2.6 %	✓	0.344883	0.001268	0.780392	0.004517	0.000990	0.000017	86.851	5.573052	1.00061389	1.072E-12
14D29558	2.8 %	✓	0.322269	0.001522	0.784092	0.005098	0.000870	0.000019	86.859	5.573970	1.00061395	8.320E-13
14D29560	3.0 %	✓	0.285537	0.000852	0.783691	0.003690	0.000792	0.000012	86.876	5.575881	1.00061407	1.329E-12
14D29561	3.2 %	✓	0.274124	0.001164	0.796896	0.004462	0.000765	0.000015	86.885	5.576876	1.00061413	9.184E-13
14D29562	3.4 %	✓	0.255709	0.000867	0.797220	0.003683	0.000692	0.000011	86.894	5.577794	1.00061419	1.172E-12
14D29564	3.6 %	✓	0.250968	0.001143	0.824030	0.004245	0.000691	0.000014	86.911	5.579707	1.00061432	8.653E-13
14D29565	3.9 %	✓	0.226239	0.000527	0.861975	0.003256	0.000611	0.000007	86.919	5.580625	1.00061437	1.709E-12
14D29566	4.2 %	✓	0.218871	0.000564	0.917824	0.003495	0.000589	0.000008	86.928	5.581621	1.00061444	1.534E-12
14D29568	4.5 %	✓	0.206647	0.000361	1.028410	0.003590	0.000581	0.000006	86.946	5.583535	1.00061456	2.371E-12
14D29569	4.8 %	✓	0.198491	0.000366	1.182403	0.004068	0.000594	0.000005	86.954	5.584454	1.00061462	2.298E-12
14D29570	5.1 %	✓	0.197052	0.000816	1.290450	0.005008	0.000622	0.000012	86.963	5.585450	1.00061468	9.289E-13
14D29572	5.4 %	✓	0.189116	0.000709	1.393485	0.005166	0.000623	0.000009	86.980	5.587289	1.00061480	1.039E-12
14D29573	5.8 %	✓	0.187755	0.000706	1.500028	0.005484	0.000634	0.000010	86.989	5.588285	1.00061486	1.050E-12
14D29574	6.2 %	✓	0.186540	0.000598	1.622871	0.005781	0.000663	0.000008	86.997	5.589205	1.00061492	1.206E-12
14D29576	6.8 %	✓	0.188104	0.000460	1.755029	0.006060	0.000697	0.000007	87.015	5.591122	1.00061505	1.612E-12
14D29577	7.4 %	✓	0.192665	0.000506	1.807306	0.006238	0.000736	0.000008	87.024	5.592119	1.00061511	1.508E-12
14D29578	8.3 %	✓	0.205548	0.000478	1.695696	0.005838	0.000742	0.000007	87.032	5.593040	1.00061517	1.770E-12
14D29580	9.3 %	✓	0.224054	0.000528	1.464944	0.005152	0.000745	0.000008	87.049	5.594958	1.00061529	1.705E-12
14D29581	10.4 %	✓	0.244208	0.000643	1.349745	0.004863	0.000783	0.000009	87.058	5.595879	1.00061535	1.523E-12
14D29582	11.7 %	✓	0.279503	0.000686	1.454870	0.005267	0.000947	0.000010	87.067	5.596877	1.00061541	1.650E-12
14D29584	13.5 %	✓	0.328404	0.000688	1.841838	0.006462	0.001212	0.000011	87.084	5.598797	1.00061554	1.968E-12
14D29585	15.5 %	✓	0.403830	0.000877	2.355926	0.008319	0.001608	0.000014	87.092	5.599718	1.00061560	1.903E-12
14D29586	17.6 %	✓	0.507411	0.001403	2.768266	0.010308	0.002037	0.000021	87.101	5.600717	1.00061566	1.506E-12
14D29588	19.8 %	✓	0.698742	0.002191	4.977312	0.018522	0.003307	0.000030	87.118	5.602561	1.00061578	1.342E-12
14D29589	22.1 %	✓	1.056259	0.005245	9.149194	0.040571	0.005568	0.000070	87.127	5.603560	1.00061584	8.837E-13
14D29590	24.5 %	✓	1.351394	0.009891	16.002972	0.090477	0.008470	0.000118	87.135	5.604483	1.00061590	6.431E-13

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
14D29548	1.8 %	0.0191025 ± 0.0007346	0.0553093 ± 0.0293157	0.0952246 ± 0.0325662	0.0631629 ± 0.0335172	5.3317849 ± 0.0731776
14D29549	1.9 %	0.0191754 ± 0.0007346	0.0503755 ± 0.0293157	0.0922768 ± 0.0325662	0.0489807 ± 0.0335172	5.3550339 ± 0.0731776
14D29550	2.0 %	0.0192051 ± 0.0007346	0.0458057 ± 0.0293157	0.0897355 ± 0.0325662	0.0376137 ± 0.0335172	5.3720440 ± 0.0731776
14D29552	2.1 %	0.0191690 ± 0.0007346	0.0364600 ± 0.0293157	0.0849954 ± 0.0325662	0.0186682 ± 0.0335172	5.3952012 ± 0.0731776
14D29553	2.2 %	0.0191126 ± 0.0007346	0.0321528 ± 0.0293157	0.0829861 ± 0.0325662	0.0115881 ± 0.0335172	5.4010769 ± 0.0731776
14D29554	2.3 %	0.0190284 ± 0.0007346	0.0276810 ± 0.0293157	0.0810041 ± 0.0325662	0.0052089 ± 0.0335172	5.4040782 ± 0.0731776
14D29556	2.4 %	0.0188147 ± 0.0007346	0.0198094 ± 0.0293157	0.0777618 ± 0.0325662	0.0037854 ± 0.0335172	5.4013326 ± 0.0731776
14D29557	2.6 %	0.0186945 ± 0.0007346	0.0164359 ± 0.0293157	0.0764715 ± 0.0325662	0.0067918 ± 0.0335172	5.3966249 ± 0.0731776
14D29558	2.8 %	0.0185669 ± 0.0007346	0.0133600 ± 0.0293157	0.0753537 ± 0.0325662	0.0090784 ± 0.0335172	5.3900788 ± 0.0731776
14D29560	3.0 %	0.0182884 ± 0.0007346	0.0079945 ± 0.0293157	0.0735792 ± 0.0325662	0.0119142 ± 0.0335172	5.3716349 ± 0.0731776
14D29561	3.2 %	0.0181427 ± 0.0007346	0.0057978 ± 0.0293157	0.0729524 ± 0.0325662	0.0125529 ± 0.0335172	5.3600493 ± 0.0731776
14D29562	3.4 %	0.0180109 ± 0.0007346	0.0041459 ± 0.0293157	0.0725536 ± 0.0325662	0.0127428 ± 0.0335172	5.3484747 ± 0.0731776
14D29564	3.6 %	0.0177534 ± 0.0007346	0.0018854 ± 0.0293157	0.0722769 ± 0.0325662	0.0122038 ± 0.0335172	5.3226069 ± 0.0731776
14D29565	3.9 %	0.0176417 ± 0.0007346	0.0013679 ± 0.0293157	0.0724101 ± 0.0325662	0.0116224 ± 0.0335172	5.3097765 ± 0.0731776
14D29566	4.2 %	0.0175317 ± 0.0007346	0.0012161 ± 0.0293157	0.0727492 ± 0.0325662	0.0108404 ± 0.0335172	5.2958763 ± 0.0731776
14D29568	4.5 %	0.0173586 ± 0.0007346	0.0020731 ± 0.0293157	0.0739703 ± 0.0325662	0.0090994 ± 0.0335172	5.2699639 ± 0.0731776
14D29569	4.8 %	0.0172957 ± 0.0007346	0.0029901 ± 0.0293157	0.0748224 ± 0.0325662	0.0082363 ± 0.0335172	5.2582682 ± 0.0731776
14D29570	5.1 %	0.0172436 ± 0.0007346	0.0043234 ± 0.0293157	0.0759403 ± 0.0325662	0.0073316 ± 0.0335172	5.2463866 ± 0.0731776
14D29572	5.4 %	0.0171940 ± 0.0007346	0.0076085 ± 0.0293157	0.0785361 ± 0.0325662	0.0058459 ± 0.0335172	5.2272070 ± 0.0731776
14D29573	5.8 %	0.0171933 ± 0.0007346	0.0097655 ± 0.0293157	0.0802303 ± 0.0325662	0.0051822 ± 0.0335172	5.2186166 ± 0.0731776
14D29574	6.2 %	0.0172092 ± 0.0007346	0.0119434 ± 0.0293157	0.0819740 ± 0.0325662	0.0046732 ± 0.0335172	5.2119799 ± 0.0731776
14D29576	6.8 %	0.0172928 ± 0.0007346	0.0168791 ± 0.0293157	0.0861608 ± 0.0325662	0.0039465 ± 0.0335172	5.2026179 ± 0.0731776
14D29577	7.4 %	0.0173626 ± 0.0007346	0.0195522 ± 0.0293157	0.0886338 ± 0.0325662	0.0037384 ± 0.0335172	5.2003622 ± 0.0731776
14D29578	8.3 %	0.0174424 ± 0.0007346	0.0220132 ± 0.0293157	0.0910964 ± 0.0325662	0.0036348 ± 0.0335172	5.1999890 ± 0.0731776
14D29580	9.3 %	0.0176521 ± 0.0007346	0.0268751 ± 0.0293157	0.0967810 ± 0.0325662	0.0036108 ± 0.0335172	5.2047975 ± 0.0731776
14D29581	10.4 %	0.0177716 ± 0.0007346	0.0289566 ± 0.0293157	0.0997756 ± 0.0325662	0.0036395 ± 0.0335172	5.2099122 ± 0.0731776
14D29582	11.7 %	0.0179131 ± 0.0007346	0.0309263 ± 0.0293157	0.1032145 ± 0.0325662	0.0036508 ± 0.0335172	5.2175836 ± 0.0731776
14D29584	13.5 %	0.0182135 ± 0.0007346	0.0335601 ± 0.0293157	0.1103969 ± 0.0325662	0.0034348 ± 0.0335172	5.2387238 ± 0.0731776
14D29585	15.5 %	0.0183674 ± 0.0007346	0.0341254 ± 0.0293157	0.1141105 ± 0.0325662	0.0031216 ± 0.0335172	5.2519070 ± 0.0731776
14D29586	17.6 %	0.0185383 ± 0.0007346	0.0341019 ± 0.0293157	0.1183282 ± 0.0325662	0.0025464 ± 0.0335172	5.2684304 ± 0.0731776
14D29588	19.8 %	0.0188562 ± 0.0007346	0.0319650 ± 0.0293157	0.1266468 ± 0.0325662	0.0005859 ± 0.0335172	5.3050548 ± 0.0731776
14D29589	22.1 %	0.0190243 ± 0.0007346	0.0294658 ± 0.0293157	0.1314409 ± 0.0325662	0.0011186 ± 0.0335172	5.3281792 ± 0.0731776
14D29590	24.5 %	0.0191732 ± 0.0007346	0.0261886 ± 0.0293157	0.1360459 ± 0.0325662	0.0031972 ± 0.0335172	5.3515407 ± 0.0731776

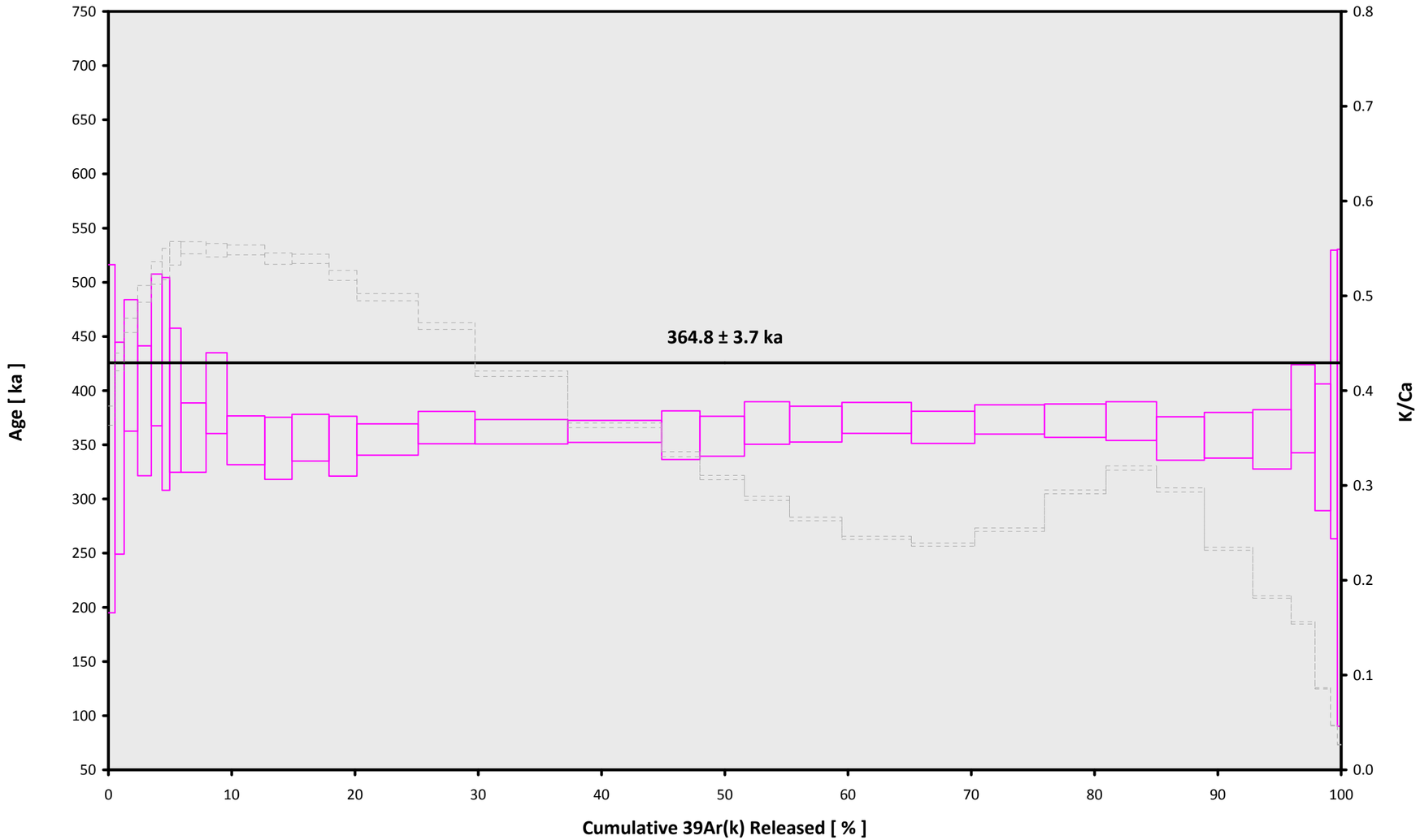
Intercept Values		36Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	37Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	38Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	39Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	40Ar ± 1σ (SE) [fA]	r2	Regression (type,n)
14D29548	1.8 %	0.1513906 ± 0.0010693	0.7377	EXP 150 of 150	3.357494 ± 0.032667	0.2571	EXP 150 of 150	0.2270577 ± 0.0251444	0.0019	EXP 148 of 150	16.6716798 ± 0.0254578	0.9302	EXP 150 of 150	46.817107 ± 0.032303	0.9997	EXP 150 of 150
14D29549	1.9 %	0.0960174 ± 0.0008483	0.6018	EXP 150 of 150	4.097279 ± 0.030305	0.3121	EXP 150 of 150	0.2664689 ± 0.0285213	0.0228	EXP 150 of 150	23.3738492 ± 0.0253194	0.9701	EXP 150 of 150	29.990089 ± 0.030527	0.9995	EXP 150 of 150
14D29550	2.0 %	0.0892616 ± 0.0007035	0.6922	EXP 149 of 150	5.542566 ± 0.027920	0.5493	EXP 150 of 150	0.3588995 ± 0.0307263	0.0021	EXP 150 of 150	34.3524549 ± 0.0261034	0.9863	EXP 150 of 150	29.318580 ± 0.029066	0.9994	EXP 150 of 150
14D29552	2.1 %	0.0813657 ± 0.0007175	0.5997	EXP 150 of 150	5.271254 ± 0.031123	0.4783	EXP 150 of 150	0.3490131 ± 0.0255604	0.0144	EXP 150 of 150	34.9692971 ± 0.0280257	0.9842	EXP 150 of 150	26.639957 ± 0.030614	0.9992	EXP 150 of 150
14D29553	2.2 %	0.0562930 ± 0.0005849	0.7240	EXP 149 of 150	3.941616 ± 0.031143	0.3269	EXP 150 of 150	0.2576741 ± 0.0281368	0.0044	EXP 150 of 150	27.3391614 ± 0.0275140	0.9762	EXP 149 of 150	19.021484 ± 0.030491	0.9991	EXP 150 of 150
14D29554	2.3 %	0.0446079 ± 0.0006080	0.7042	EXP 150 of 150	2.784692 ± 0.030450	0.1598	EXP 150 of 150	0.1901128 ± 0.0246992	0.0100	EXP 150 of 150	19.7006325 ± 0.0242176	0.9614	EXP 150 of 150	14.666101 ± 0.030477	0.9991	EXP 150 of 150
14D29556	2.4 %	0.0507531 ± 0.0005736	0.6785	EXP 150 of 150	3.962784 ± 0.031158	0.3396	EXP 150 of 150	0.2927508 ± 0.0260210	0.0112	EXP 150 of 150	28.5106023 ± 0.0304513	0.9734	EXP 150 of 150	17.128040 ± 0.026117	0.9992	EXP 150 of 150
14D29557	2.6 %	0.0798272 ± 0.0006862	0.4335	EXP 150 of 150	8.869669 ± 0.029550	0.7074	EXP 150 of 150	0.7205011 ± 0.0299538	0.0533	EXP 150 of 150	64.3035486 ± 0.0316466	0.9944	EXP 150 of 150	27.796133 ± 0.030448	0.9988	EXP 150 of 150
14D29558	2.8 %	0.0632018 ± 0.0006402	0.6170	EXP 150 of 150	7.399138 ± 0.028555	0.6815	EXP 150 of 150	0.5595427 ± 0.0263349	0.0114	EXP 150 of 150	53.3989793 ± 0.0315375	0.9918	EXP 150 of 150	22.770332 ± 0.031848	0.9986	EXP 150 of 150
14D29560	3.0 %	0.0915205 ± 0.0007551	0.3952	EXP 150 of 150	13.339307 ± 0.032853	0.8427	EXP 150 of 150	1.0838723 ± 0.0271567	0.0746	EXP 150 of 150	96.2305056 ± 0.0338257	0.9972	EXP 150 of 150	33.123994 ± 0.030755	0.9984	EXP 150 of 150
14D29561	3.2 %	0.0690631 ± 0.0006339	0.5486	EXP 150 of 150	9.765685 ± 0.032182	0.7434	EXP 150 of 150	0.7770431 ± 0.0275375	0.0725	EXP 150 of 150	69.2987317 ± 0.0326554	0.9949	EXP 150 of 150	24.545521 ± 0.030531	0.9985	EXP 150 of 150
14D29562	3.4 %	0.0810616 ± 0.0006713	0.3925	EXP 150 of 150	13.369246 ± 0.030605	0.8485	EXP 150 of 150	1.0391337 ± 0.0288144	0.0307	EXP 150 of 150	94.8159020 ± 0.0337094	0.9971	EXP 150 of 150	29.836089 ± 0.033029	0.9981	EXP 150 of 150
14D29564	3.6 %	0.0651250 ± 0.0006255	0.4965	EXP 150 of 150	10.390641 ± 0.027739	0.8073	EXP 150 of 150	0.7426191 ± 0.0276565	0.0090	EXP 150 of 150	71.3116695 ± 0.0310378	0.9957	EXP 150 of 150	23.397779 ± 0.033530	0.9979	EXP 150 of 150
14D29565	3.9 %	0.1094029 ± 0.0008053	0.1844	EXP 150 of 150	23.812918 ± 0.030188	0.9522	EXP 150 of 150	1.7752296 ± 0.0279705	0.0874	EXP 150 of 150	156.2265638 ± 0.0365605	0.9988	EXP 150 of 150	41.009777 ± 0.028453	0.9983	EXP 150 of 150
14D29566	4.2 %	0.0996042 ± 0.0007467	0.3242	EXP 150 of 150	23.518345 ± 0.031346	0.9470	EXP 149 of 150	1.6627200 ± 0.0266054	0.1119	EXP 150 of 150	144.9303822 ± 0.0380109	0.9984	EXP 150 of 150	37.335888 ± 0.029063	0.9982	EXP 150 of 150
14D29568	4.5 %	0.1498832 ± 0.0010444	0.0328	EXP 150 of 150	43.125126 ± 0.033850	0.9813	EXP 150 of 150	2.7734562 ± 0.0278712	0.2542	EXP 150 of 150	237.2509133 ± 0.0430030	0.9993	EXP 150 of 150	54.792094 ± 0.028068	0.9979	EXP 150 of 150
14D29569	4.8 %	0.1540109 ± 0.0008462	0.0596	EXP 149 of 150	50.037136 ± 0.031052	0.9879	EXP 150 of 150	2.8298924 ± 0.0291316	0.2513	EXP 149 of 150	239.4668787 ± 0.0452462	0.9992	EXP 150 of 150	53.270209 ± 0.035335	0.9968	EXP 150 of 150
14D29570	5.1 %	0.0754696 ± 0.0007782	0.3639	EXP 150 of 150	22.224848 ± 0.031684	0.9401	EXP 150 of 150	1.1038078 ± 0.0247543	0.0534	EXP 149 of 150	97.4922010 ± 0.0334363	0.9973	EXP 150 of 150	24.650590 ± 0.028700	0.9982	EXP 150 of 150
14D29572	5.4 %	0.0851984 ± 0.0006994	0.3760	EXP 150 of 150	27.956619 ± 0.033276	0.9583	EXP 150 of 150	1.3073880 ± 0.0271833	0.0478	EXP 150 of 150	113.6111335 ± 0.0332966	0.9980	EXP 150 of 150	26.929497 ± 0.030768	0.9977	EXP 150 of 150
14D29573	5.8 %	0.0875870 ± 0.0008255	0.2789	EXP 150 of 150	30.622572 ± 0.033694	0.9648	EXP 149 of 150	1.3816755 ± 0.0271996	0.0897	EXP 150 of 150	115.6313534 ± 0.0359977	0.9978	EXP 150 of 150	27.147929 ± 0.033471	0.9972	EXP 150 of 150
14D29574	6.2 %	0.1023573 ± 0.0007585	0.2502	EXP 150 of 150	38.287298 ± 0.036769	0.9722	EXP 150 of 150	1.6313525 ± 0.0259533	0.1461	EXP 150 of 150	133.6497583 ± 0.0325924	0.9987	EXP 150 of 150	30.394750 ± 0.027655	0.9980	EXP 150 of 150
14D29576	6.8 %	0.1360102 ± 0.0009422	0.0941	EXP 150 of 150	54.890632 ± 0.038632	0.9844	EXP 150 of 150	2.2282381 ± 0.0277827	0.1885	EXP 150 of 150	177.2363819 ± 0.0364865	0.9990	EXP 150 of 150	38.878576 ± 0.028186	0.9977	EXP 150 of 150
14D29577	7.4 %	0.1317520 ± 0.0008607	0.0505	EXP 150 of 150	51.596033 ± 0.033656	0.9870	EXP 150 of 150	2.0631385 ± 0.0238604	0.2000	EXP 148 of 150	161.8200237 ± 0.0390278	0.9987	EXP 150 of 150	36.692526 ± 0.030064	0.9974	EXP 150 of 150
14D29578	8.3 %	0.1444317 ± 0.0008423	0.0784	EXP 150 of 150	53.266251 ± 0.033654	0.9879	EXP 150 of 150	2.3134653 ± 0.0265988	0.1843	EXP 150 of 150	178.0889647 ± 0.0409007	0.9988	EXP 150 of 150	42.175938 ± 0.035256	0.9962	EXP 150 of 150
14D29580	9.3 %	0.1302690 ± 0.0008905	0.0698	EXP 150 of 150	40.628963 ± 0.033520	0.9801	EXP 149 of 150	2.0707342 ± 0.0283619	0.1833	EXP 150 of 150	157.3276923 ± 0.0365205	0.9988	EXP 150 of 150	40.811062 ± 0.030740	0.9969	EXP 150 of 150
14D29581	10.4 %	0.1148413 ± 0.0008282	0.2259	EXP 150 of 150	30.679324 ± 0.028513	0.9740	EXP 150 of 150	1.6520986 ± 0.0272451	0.1171	EXP 150 of 150	128.9974127 ± 0.0343080	0.9984	EXP 150 of 150	37.030414 ± 0.031966	0.9967	EXP 150 of 150
14D29582	11.7 %	0.1290682 ± 0.0009122	0.0373	EXP 150 of 150	31.292658 ± 0.031382	0.9706	EXP 150 of 150	1.5666259 ± 0.0260073	0.1118	EXP 150 of 150	122.0962771 ± 0.0344484	0.9982	EXP 150 of 150	39.688618 ± 0.032103	0.9965	EXP 150 of 150
14D29584	13.5 %	0.1625687 ± 0.0009930	0.0000	EXP 150 of 150	40.203757 ± 0.030092	0.9831	EXP 150 of 150	1.7446934 ± 0.0278053	0.1302	EXP 150 of 150	123.9312404 ± 0.0336772	0.9983	EXP 150 of 150	46.349540 ± 0.031334	0.9959	EXP 150 of 150
14D29585	15.5 %	0.1688847 ± 0.0010167	0.0151	EXP 150 of 150	40.424638 ± 0.032313	0.9806	EXP 150 of 150	1.5850313 ± 0.0268353	0.1876	EXP 150 of 150	97.4378206 ± 0.0328248	0.9974	EXP 150 of 150	44.997653 ± 0.030925	0.9958	EXP 150 of 150
14D29586	17.6 %	0.1387224 ± 0.0009384	0.0287	EXP 150 of 150	29.915094 ± 0.034007	0.9589	EXP 150 of 150	1.0319628 ± 0.0294885	0.0177	EXP 150 of 150	61.3953350 ± 0.0303568	0.9942	EXP 150 of 150	36.735462 ± 0.034584	0.9949	EXP 150 of 150
14D29588	19.8 %	0.1450359 ± 0.0008038	0.0037	EXP 150 of 150	34.784218 ± 0.031571	0.9754	EXP 150 of 150	0.8331559 ± 0.0287736	0.0761	EXP 149 of 150	39.7077828 ± 0.0288297	0.9878	EXP 149 of 150	33.331305 ± 0.031793	0.9955	EXP 150 of 150
14D29589	22.1 %	0.1115891 ± 0.0008270	0.0336	EXP 150 of 150	27.851453 ± 0.032239	0.9597	EXP 150 of 150	0.3139274 ± 0.0262568	0.0035	EXP 150 of 150	17.3004155 ± 0.0267471	0.9422	EXP 150 of 150	23.788270 ± 0.028048	0.9969	EXP 150 of 150
14D29590	24.5 %	0.0992705 ± 0.0007280	0.0295	EXP 150 of 150	27.709548 ± 0.031434	0.9601	EXP 150 of 150	0.1841640 ± 0.0256128	0.0098	EXP 150 of 150	9.8385201 ± 0.0258246	0.8155	EXP 150 of 150	18.786356 ± 0.029844	0.9968	EXP 150 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
14D29548	1.8 %	Chris Conatser	14-OSU-04	0.00	0.00	5.10	Lau Basin\Mullions (13-INT-09)	14D29547	01
14D29549	1.9 %	Chris Conatser	14-OSU-04	0.00	0.00	5.10	Lau Basin\Mullions (13-INT-09)	14D29547	01
14D29550	2.0 %	Chris Conatser	14-OSU-04	0.00	0.00	5.10	Lau Basin\Mullions (13-INT-09)	14D29547	01
14D29552	2.1 %	Chris Conatser	14-OSU-04	0.00	0.00	5.10	Lau Basin\Mullions (13-INT-09)	14D29547	01
14D29553	2.2 %	Chris Conatser	14-OSU-04	0.00	0.00	5.10	Lau Basin\Mullions (13-INT-09)	14D29547	01
14D29554	2.3 %	Chris Conatser	14-OSU-04	0.00	0.00	5.10	Lau Basin\Mullions (13-INT-09)	14D29547	01
14D29556	2.4 %	Chris Conatser	14-OSU-04	0.00	0.00	5.10	Lau Basin\Mullions (13-INT-09)	14D29547	01
14D29557	2.6 %	Chris Conatser	14-OSU-04	0.00	0.00	5.10	Lau Basin\Mullions (13-INT-09)	14D29547	01
14D29558	2.8 %	Chris Conatser	14-OSU-04	0.00	0.00	5.10	Lau Basin\Mullions (13-INT-09)	14D29547	01
14D29560	3.0 %	Chris Conatser	14-OSU-04	0.00	0.00	5.10	Lau Basin\Mullions (13-INT-09)	14D29547	01
14D29561	3.2 %	Chris Conatser	14-OSU-04	0.00	0.00	5.10	Lau Basin\Mullions (13-INT-09)	14D29547	01
14D29562	3.4 %	Chris Conatser	14-OSU-04	0.00	0.00	5.10	Lau Basin\Mullions (13-INT-09)	14D29547	01
14D29564	3.6 %	Chris Conatser	14-OSU-04	0.00	0.00	5.10	Lau Basin\Mullions (13-INT-09)	14D29547	01
14D29565	3.9 %	Chris Conatser	14-OSU-04	0.00	0.00	5.10	Lau Basin\Mullions (13-INT-09)	14D29547	01
14D29566	4.2 %	Chris Conatser	14-OSU-04	0.00	0.00	5.10	Lau Basin\Mullions (13-INT-09)	14D29547	01
14D29568	4.5 %	Chris Conatser	14-OSU-04	0.00	0.00	5.10	Lau Basin\Mullions (13-INT-09)	14D29547	01
14D29569	4.8 %	Chris Conatser	14-OSU-04	0.00	0.00	5.10	Lau Basin\Mullions (13-INT-09)	14D29547	01
14D29570	5.1 %	Chris Conatser	14-OSU-04	0.00	0.00	5.10	Lau Basin\Mullions (13-INT-09)	14D29547	01
14D29572	5.4 %	Chris Conatser	14-OSU-04	0.00	0.00	5.10	Lau Basin\Mullions (13-INT-09)	14D29547	01
14D29573	5.8 %	Chris Conatser	14-OSU-04	0.00	0.00	5.10	Lau Basin\Mullions (13-INT-09)	14D29547	01
14D29574	6.2 %	Chris Conatser	14-OSU-04	0.00	0.00	5.10	Lau Basin\Mullions (13-INT-09)	14D29547	01
14D29576	6.8 %	Chris Conatser	14-OSU-04	0.00	0.00	5.10	Lau Basin\Mullions (13-INT-09)	14D29547	01
14D29577	7.4 %	Chris Conatser	14-OSU-04	0.00	0.00	5.10	Lau Basin\Mullions (13-INT-09)	14D29547	01
14D29578	8.3 %	Chris Conatser	14-OSU-04	0.00	0.00	5.10	Lau Basin\Mullions (13-INT-09)	14D29547	01
14D29580	9.3 %	Chris Conatser	14-OSU-04	0.00	0.00	5.10	Lau Basin\Mullions (13-INT-09)	14D29547	01
14D29581	10.4 %	Chris Conatser	14-OSU-04	0.00	0.00	5.10	Lau Basin\Mullions (13-INT-09)	14D29547	01
14D29582	11.7 %	Chris Conatser	14-OSU-04	0.00	0.00	5.10	Lau Basin\Mullions (13-INT-09)	14D29547	01
14D29584	13.5 %	Chris Conatser	14-OSU-04	0.00	0.00	5.10	Lau Basin\Mullions (13-INT-09)	14D29547	01
14D29585	15.5 %	Chris Conatser	14-OSU-04	0.00	0.00	5.10	Lau Basin\Mullions (13-INT-09)	14D29547	01
14D29586	17.6 %	Chris Conatser	14-OSU-04	0.00	0.00	5.10	Lau Basin\Mullions (13-INT-09)	14D29547	01
14D29588	19.8 %	Chris Conatser	14-OSU-04	0.00	0.00	5.10	Lau Basin\Mullions (13-INT-09)	14D29547	01
14D29589	22.1 %	Chris Conatser	14-OSU-04	0.00	0.00	5.10	Lau Basin\Mullions (13-INT-09)	14D29547	01
14D29590	24.5 %	Chris Conatser	14-OSU-04	0.00	0.00	5.10	Lau Basin\Mullions (13-INT-09)	14D29547	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
14D29548	1.8 %	RR1310-D42-02	Groundmass	Lau Basin	FCT-NM (4C2-14)	28.201	0.082	Kuiper et al (2008)	8.96167	0.132	0.00175385	0.132	303.728	0.159	0.99321874	0.070	1	4.8E-14	1	NOV	2014	10	33	1
14D29549	1.9 %	RR1310-D42-02	Groundmass	Lau Basin	FCT-NM (4C2-14)	28.201	0.082	Kuiper et al (2008)	8.96167	0.132	0.00175385	0.132	303.728	0.159	0.99321874	0.070	1	4.8E-14	1	NOV	2014	10	46	1
14D29550	2.0 %	RR1310-D42-02	Groundmass	Lau Basin	FCT-NM (4C2-14)	28.201	0.082	Kuiper et al (2008)	8.96167	0.132	0.00175385	0.132	303.728	0.159	0.99321874	0.070	1	4.8E-14	1	NOV	2014	10	58	1
14D29552	2.1 %	RR1310-D42-02	Groundmass	Lau Basin	FCT-NM (4C2-14)	28.201	0.082	Kuiper et al (2008)	8.96167	0.132	0.00175385	0.132	303.728	0.159	0.99321874	0.070	1	4.8E-14	1	NOV	2014	11	23	1
14D29553	2.2 %	RR1310-D42-02	Groundmass	Lau Basin	FCT-NM (4C2-14)	28.201	0.082	Kuiper et al (2008)	8.96167	0.132	0.00175385	0.132	303.728	0.159	0.99321874	0.070	1	4.8E-14	1	NOV	2014	11	35	1
14D29554	2.3 %	RR1310-D42-02	Groundmass	Lau Basin	FCT-NM (4C2-14)	28.201	0.082	Kuiper et al (2008)	8.96167	0.132	0.00175385	0.132	303.728	0.159	0.99321874	0.070	1	4.8E-14	1	NOV	2014	11	48	1
14D29556	2.4 %	RR1310-D42-02	Groundmass	Lau Basin	FCT-NM (4C2-14)	28.201	0.082	Kuiper et al (2008)	8.96167	0.132	0.00175385	0.132	303.728	0.159	0.99321874	0.070	1	4.8E-14	1	NOV	2014	12	13	1
14D29557	2.6 %	RR1310-D42-02	Groundmass	Lau Basin	FCT-NM (4C2-14)	28.201	0.082	Kuiper et al (2008)	8.96167	0.132	0.00175385	0.132	303.728	0.159	0.99321874	0.070	1	4.8E-14	1	NOV	2014	12	25	1
14D29558	2.8 %	RR1310-D42-02	Groundmass	Lau Basin	FCT-NM (4C2-14)	28.201	0.082	Kuiper et al (2008)	8.96167	0.132	0.00175385	0.132	303.728	0.159	0.99321874	0.070	1	4.8E-14	1	NOV	2014	12	37	1
14D29560	3.0 %	RR1310-D42-02	Groundmass	Lau Basin	FCT-NM (4C2-14)	28.201	0.082	Kuiper et al (2008)	8.96167	0.132	0.00175385	0.132	303.728	0.159	0.99321874	0.070	1	4.8E-14	1	NOV	2014	13	2	1
14D29561	3.2 %	RR1310-D42-02	Groundmass	Lau Basin	FCT-NM (4C2-14)	28.201	0.082	Kuiper et al (2008)	8.96167	0.132	0.00175385	0.132	303.728	0.159	0.99321874	0.070	1	4.8E-14	1	NOV	2014	13	15	1
14D29562	3.4 %	RR1310-D42-02	Groundmass	Lau Basin	FCT-NM (4C2-14)	28.201	0.082	Kuiper et al (2008)	8.96167	0.132	0.00175385	0.132	303.728	0.159	0.99321874	0.070	1	4.8E-14	1	NOV	2014	13	27	1
14D29564	3.6 %	RR1310-D42-02	Groundmass	Lau Basin	FCT-NM (4C2-14)	28.201	0.082	Kuiper et al (2008)	8.96167	0.132	0.00175385	0.132	303.728	0.159	0.99321874	0.070	1	4.8E-14	1	NOV	2014	13	52	1
14D29565	3.9 %	RR1310-D42-02	Groundmass	Lau Basin	FCT-NM (4C2-14)	28.201	0.082	Kuiper et al (2008)	8.96167	0.132	0.00175385	0.132	303.728	0.159	0.99321874	0.070	1	4.8E-14	1	NOV	2014	14	4	1
14D29566	4.2 %	RR1310-D42-02	Groundmass	Lau Basin	FCT-NM (4C2-14)	28.201	0.082	Kuiper et al (2008)	8.96167	0.132	0.00175385	0.132	303.728	0.159	0.99321874	0.070	1	4.8E-14	1	NOV	2014	14	17	1
14D29568	4.5 %	RR1310-D42-02	Groundmass	Lau Basin	FCT-NM (4C2-14)	28.201	0.082	Kuiper et al (2008)	8.96167	0.132	0.00175385	0.132	303.728	0.159	0.99321874	0.070	1	4.8E-14	1	NOV	2014	14	42	1
14D29569	4.8 %	RR1310-D42-02	Groundmass	Lau Basin	FCT-NM (4C2-14)	28.201	0.082	Kuiper et al (2008)	8.96167	0.132	0.00175385	0.132	303.728	0.159	0.99321874	0.070	1	4.8E-14	1	NOV	2014	14	54	1
14D29570	5.1 %	RR1310-D42-02	Groundmass	Lau Basin	FCT-NM (4C2-14)	28.201	0.082	Kuiper et al (2008)	8.96167	0.132	0.00175385	0.132	303.728	0.159	0.99321874	0.070	1	4.8E-14	1	NOV	2014	15	7	1
14D29572	5.4 %	RR1310-D42-02	Groundmass	Lau Basin	FCT-NM (4C2-14)	28.201	0.082	Kuiper et al (2008)	8.96167	0.132	0.00175385	0.132	303.728	0.159	0.99321874	0.070	1	4.8E-14	1	NOV	2014	15	31	1
14D29573	5.8 %	RR1310-D42-02	Groundmass	Lau Basin	FCT-NM (4C2-14)	28.201	0.082	Kuiper et al (2008)	8.96167	0.132	0.00175385	0.132	303.728	0.159	0.99321874	0.070	1	4.8E-14	1	NOV	2014	15	44	1
14D29574	6.2 %	RR1310-D42-02	Groundmass	Lau Basin	FCT-NM (4C2-14)	28.201	0.082	Kuiper et al (2008)	8.96167	0.132	0.00175385	0.132	303.728	0.159	0.99321874	0.070	1	4.8E-14	1	NOV	2014	15	56	1
14D29576	6.8 %	RR1310-D42-02	Groundmass	Lau Basin	FCT-NM (4C2-14)	28.201	0.082	Kuiper et al (2008)	8.96167	0.132	0.00175385	0.132	303.728	0.159	0.99321874	0.070	1	4.8E-14	1	NOV	2014	16	21	1
14D29577	7.4 %	RR1310-D42-02	Groundmass	Lau Basin	FCT-NM (4C2-14)	28.201	0.082	Kuiper et al (2008)	8.96167	0.132	0.00175385	0.132	303.728	0.159	0.99321874	0.070	1	4.8E-14	1	NOV	2014	16	34	1
14D29578	8.3 %	RR1310-D42-02	Groundmass	Lau Basin	FCT-NM (4C2-14)	28.201	0.082	Kuiper et al (2008)	8.96167	0.132	0.00175385	0.132	303.728	0.159	0.99321874	0.070	1	4.8E-14	1	NOV	2014	16	46	1
14D29580	9.3 %	RR1310-D42-02	Groundmass	Lau Basin	FCT-NM (4C2-14)	28.201	0.082	Kuiper et al (2008)	8.96167	0.132	0.00175385	0.132	303.728	0.159	0.99321874	0.070	1	4.8E-14	1	NOV	2014	17	11	1
14D29581	10.4 %	RR1310-D42-02	Groundmass	Lau Basin	FCT-NM (4C2-14)	28.201	0.082	Kuiper et al (2008)	8.96167	0.132	0.00175385	0.132	303.728	0.159	0.99321874	0.070	1	4.8E-14	1	NOV	2014	17	23	1
14D29582	11.7 %	RR1310-D42-02	Groundmass	Lau Basin	FCT-NM (4C2-14)	28.201	0.082	Kuiper et al (2008)	8.96167	0.132	0.00175385	0.132	303.728	0.159	0.99321874	0.070	1	4.8E-14	1	NOV	2014	17	36	1
14D29584	13.5 %	RR1310-D42-02	Groundmass	Lau Basin	FCT-NM (4C2-14)	28.201	0.082	Kuiper et al (2008)	8.96167	0.132	0.00175385	0.132	303.728	0.159	0.99321874	0.070	1	4.8E-14	1	NOV	2014	18	1	1
14D29585	15.5 %	RR1310-D42-02	Groundmass	Lau Basin	FCT-NM (4C2-14)	28.201	0.082	Kuiper et al (2008)	8.96167	0.132	0.00175385	0.132	303.728	0.159	0.99321874	0.070	1	4.8E-14	1	NOV	2014	18	13	1
14D29586	17.6 %	RR1310-D42-02	Groundmass	Lau Basin	FCT-NM (4C2-14)	28.201	0.082	Kuiper et al (2008)	8.96167	0.132	0.00175385	0.132	303.728	0.159	0.99321874	0.070	1	4.8E-14	1	NOV	2014	18	26	1
14D29588	19.8 %	RR1310-D42-02	Groundmass	Lau Basin	FCT-NM (4C2-14)	28.201	0.082	Kuiper et al (2008)	8.96167	0.132	0.00175385	0.132	303.728	0.159	0.99321874	0.070	1	4.8E-14	1	NOV	2014	18	50	1
14D29589	22.1 %	RR1310-D42-02	Groundmass	Lau Basin	FCT-NM (4C2-14)	28.201	0.082	Kuiper et al (2008)	8.96167	0.132	0.00175385	0.132	303.728	0.159	0.99321874	0.070	1	4.8E-14	1	NOV	2014	19	3	1
14D29590	24.5 %	RR1310-D42-02	Groundmass	Lau Basin	FCT-NM (4C2-14)	28.201	0.082	Kuiper et al (2008)	8.96167	0.132	0.00175385	0.132	303.728	0.159	0.99321874	0.070	1	4.8E-14	1	NOV	2014	19	15	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
14D29548	1.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D29549	1.9 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D29550	2.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D29552	2.1 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D29553	2.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D29554	2.3 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D29556	2.4 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D29557	2.6 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D29558	2.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D29560	3.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D29561	3.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D29562	3.4 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D29564	3.6 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D29565	3.9 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D29566	4.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D29568	4.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D29569	4.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D29570	5.1 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D29572	5.4 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D29573	5.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D29574	6.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D29576	6.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D29577	7.4 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D29578	8.3 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D29580	9.3 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D29581	10.4 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D29582	11.7 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D29584	13.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D29585	15.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D29586	17.6 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D29588	19.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D29589	22.1 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
14D29590	24.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.0000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0

14D29547.AGE >>> RR1310-D42-02 >>> LAU BASIN | MULLIONS (13-INT-09) PROJECT



Ar-Ages in ka

WEIGHTED PLATEAU
364.8 ± 3.7
TOTAL FUSION
365.8 ± 4.3
NORMAL ISOCHRON
363.7 ± 5.9
INVERSE ISOCHRON
364.0 ± 5.8

MSWD (PROBABILITY)
0.93 (57%)

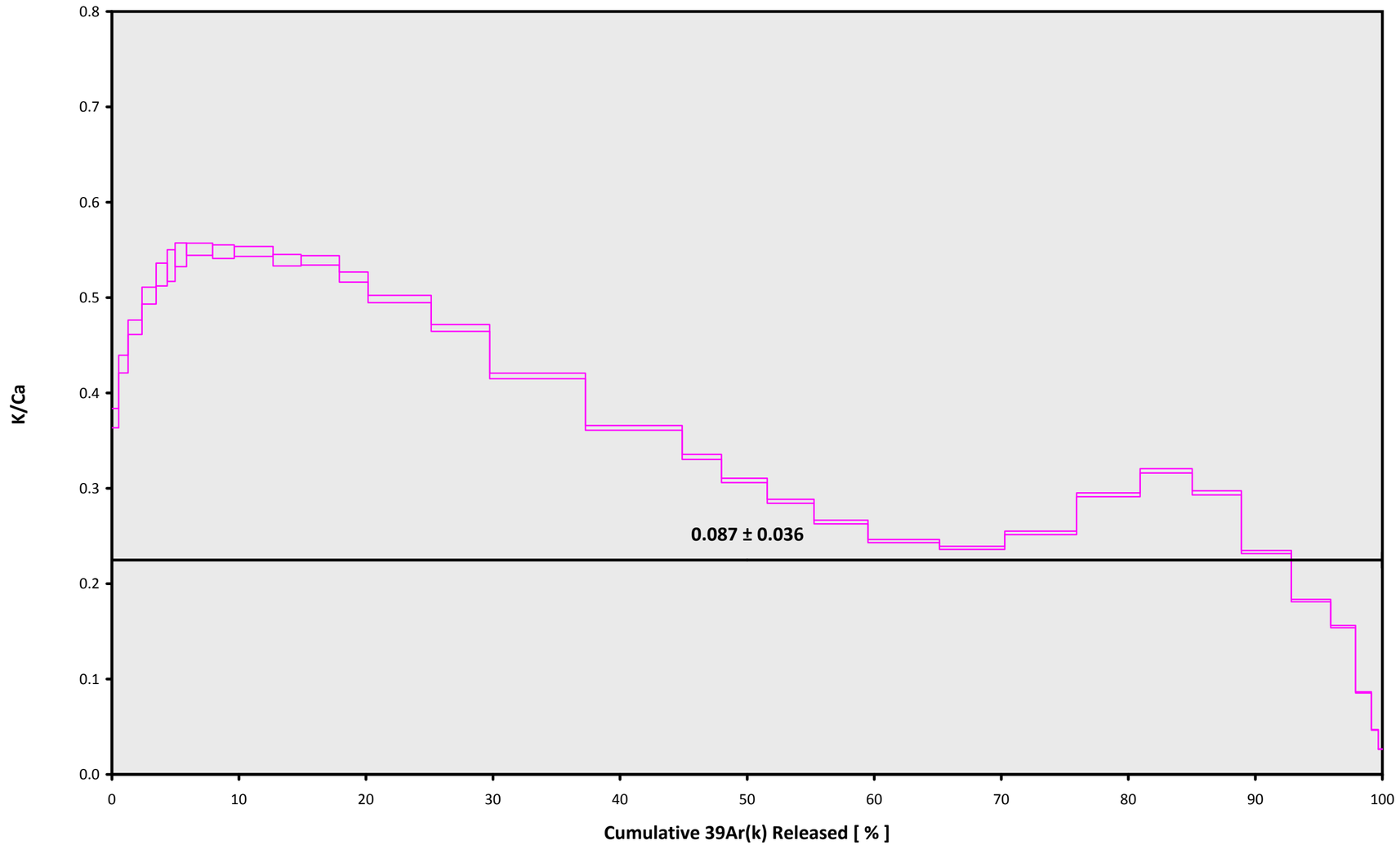
Sample Info

Groundmass
Lau Basin
Chris Conatser

IRR = 14-OSU-04 (4C2-14)
J = 0.00175385 ± 0.00000232

OSU Argon Geochronology Lab
CEOAS Oregon State University, Corvallis, USA

14D29547.AGE >>> RR1310-D42-02 >>> LAU BASIN | MULLIONS (13-INT-09) PROJECT



Ar-Ages in ka

WEIGHTED PLATEAU
364.8 ± 3.7
TOTAL FUSION
365.8 ± 4.3
NORMAL ISOCHRON
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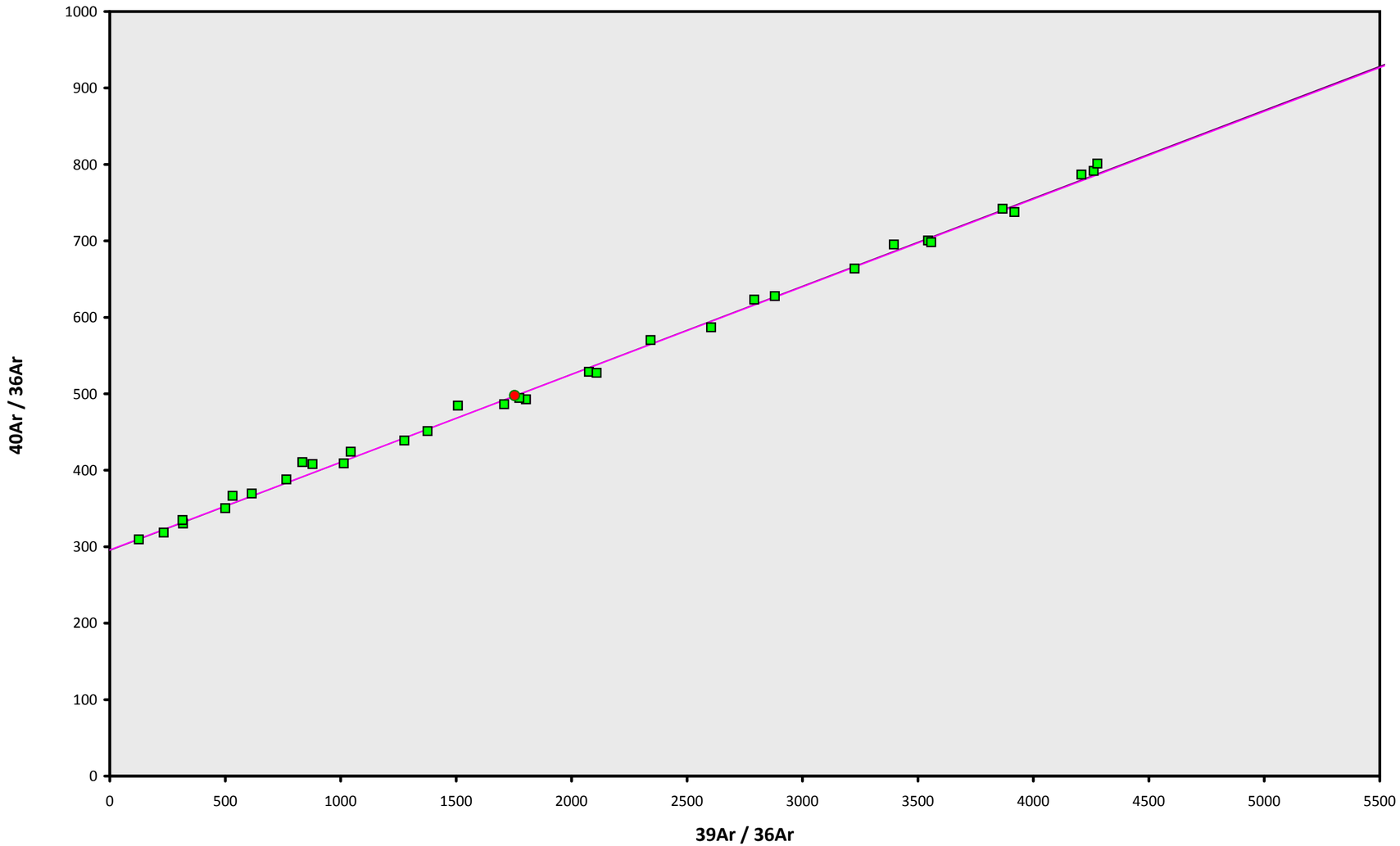
14D29547.AGE >>> RR1310-D42-02 >>> LAU BASIN | MULLIONS (13-INT-09) PROJECT



Ar-Ages in ka

WEIGHTED PLATEAU
364.8 ± 3.7
TOTAL FUSION
365.8 ± 4.3
NORMAL ISOCHRON
363.7 ± 5.9
INVERSE ISOCHRON
364.0 ± 5.8

MSWD (PROBABILITY)
0.93 (58%)

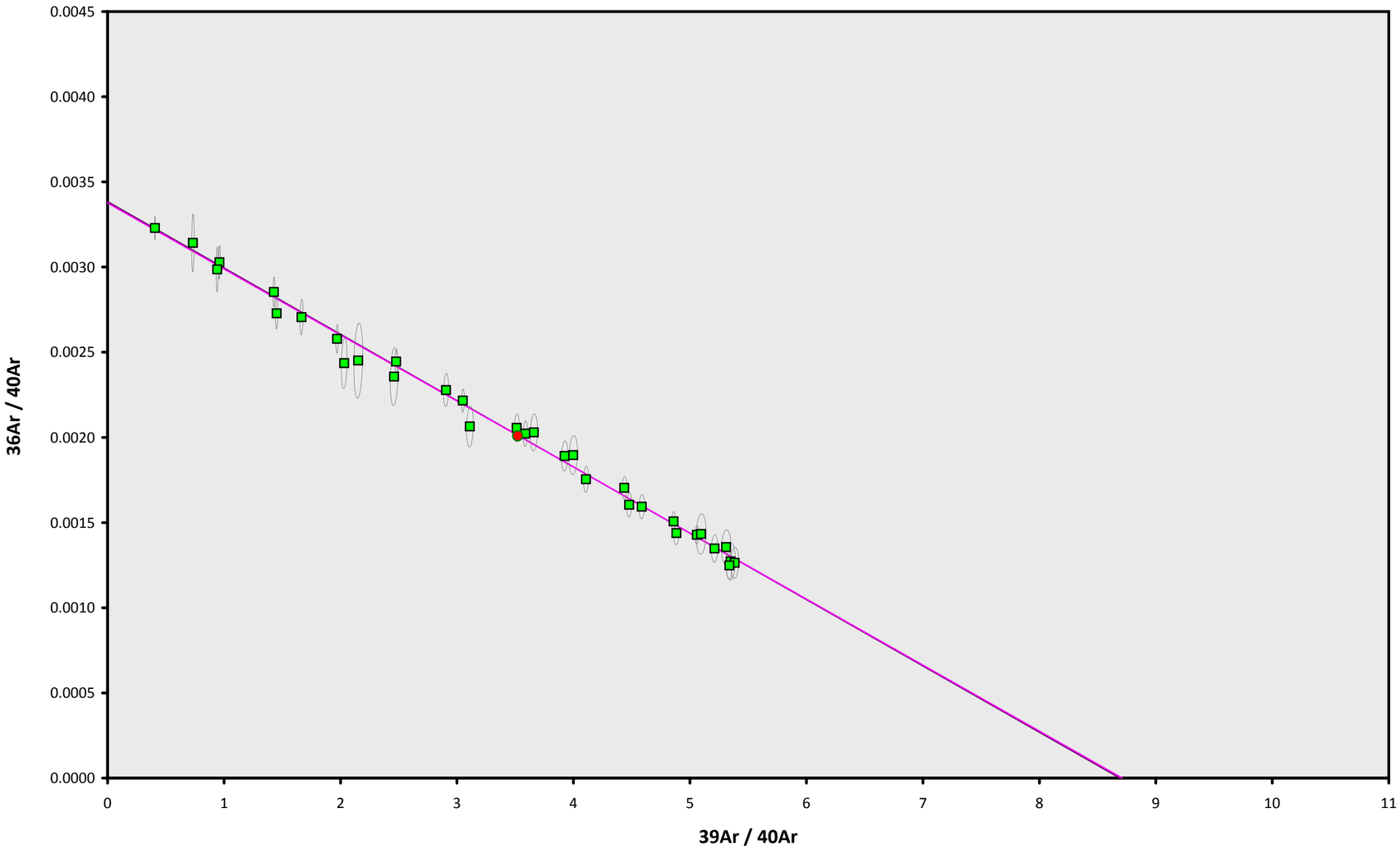
40AR/36AR INTERCEPT
295.9 ± 3.5

Sample Info

Groundmass
Lau Basin
Chris Conatser

IRR = 14-OSU-04 (4C2-14)
J = 0.00175385 ± 0.00000232

14D29547.AGE >>> RR1310-D42-02 >>> LAU BASIN | MULLIONS (13-INT-09) PROJECT



Ar-Ages in ka

WEIGHTED PLATEAU
364.8 ± 3.7
TOTAL FUSION
365.8 ± 4.3
NORMAL ISOCHRON
363.7 ± 5.9
INVERSE ISOCHRON
364.0 ± 5.8

MSWD (PROBABILITY)
0.96 (53%)

SPREADING FACTOR
57.1%

40AR/36AR INTERCEPT
296.2 ± 3.5

Sample Info

Groundmass
Lau Basin
Chris Conatser

IRR = 14-OSU-04 (4C2-14)
J = 0.00175385 ± 0.00000232