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
14D27302	1.8 %		0.0083593	11.178	10.3763	28.612	0.1824700	20.860	0.38178	22.893	5.7959	34.580	11.09663 ± 12.03825	35.41 ± 38.04	71.75	0.25	0.0155 ± 0.0115
14D27304	2.0 %		0.0040581	21.979	11.4748	23.454	0.1666313	23.744	0.31237	27.989	3.9998	50.108	12.20849 ± 15.07373	38.92 ± 47.55	92.98	0.20	0.0114 ± 0.0085
14D27305	2.4 %		0.0088949	10.557	14.7784	18.672	0.1358160	27.042	0.75080	11.581	10.6687	18.786	12.43631 ± 6.22153	39.64 ± 19.62	86.36	0.50	0.0216 ± 0.0095
14D27306	2.8 %		0.0206673	4.424	26.4453	10.272	0.1667510	24.007	1.37723	6.327	25.0855	7.990	15.49918 ± 3.59200	49.27 ± 11.27	83.99	0.91	0.0221 ± 0.0054
14D27308	3.2 %		0.0056458	14.982	17.5093	17.077	0.1134746	34.670	0.91798	9.468	12.5911	15.918	13.58204 ± 5.18983	43.25 ± 16.33	97.75	0.61	0.0223 ± 0.0087
14D27309	3.6 %		0.0203153	4.381	55.8704	5.278	0.0948060	38.776	3.08081	2.791	45.2309	4.431	14.33362 ± 1.56351	45.61 ± 4.91	96.43	2.03	0.0234 ± 0.0028
14D27310	4.0 %		0.0183112	4.651	57.5300	4.709	0.0810396	47.619	3.26399	2.675	47.5319	4.217	14.46132 ± 1.48327	46.02 ± 4.66	98.12	2.16	0.0241 ± 0.0026
14D27312	4.5 %		0.0177446	4.741	41.0028	6.691	0.0466719	82.049	2.37463	3.666	36.6515	5.468	14.75422 ± 2.04799	46.94 ± 6.43	94.48	1.57	0.0246 ± 0.0038
14D27313	5.1 %		0.0359609	2.492	104.1443	2.824	0.0755270	48.708	5.68308	1.540	97.2228	2.062	16.88491 ± 0.89625	53.61 ± 2.80	97.48	3.75	0.0232 ± 0.0015
14D27314	5.8 %		0.0376927	2.471	121.9200	2.406	0.1269370	31.120	6.64100	1.306	128.9249	1.555	19.41862 ± 0.80595	61.52 ± 2.51	98.79	4.39	0.0231 ± 0.0013
14D27316	6.7 %		0.0491284	1.941	157.7197	1.876	0.1016872	36.137	9.05888	0.958	143.9719	1.392	15.84297 ± 0.54913	50.35 ± 1.72	98.51	5.99	0.0244 ± 0.0010
14D27317	7.7 %		0.0457448	2.077	145.1276	2.015	0.0242739	160.727	8.39490	1.035	128.0763	1.565	15.18014 ± 0.58511	48.27 ± 1.84	98.34	5.55	0.0246 ± 0.0011
14D27318	8.9 %		0.0647977	1.685	199.0562	1.482	0.1669134	23.041	11.36597	0.766	175.5282	1.142	15.31437 ± 0.43450	48.69 ± 1.36	97.99	7.51	0.0243 ± 0.0008
14D27320	10.1 %	✓	0.0739732	1.454	227.0286	1.397	0.1361521	27.786	13.31192	0.656	197.3480	1.016	14.69038 ± 0.36698	46.74 ± 1.15	97.95	8.80	0.0249 ± 0.0008
14D27321	11.3 %	✓	0.0671867	1.488	197.7381	1.605	0.1178428	33.668	12.50648	0.702	185.6489	1.080	14.65367 ± 0.39005	46.62 ± 1.23	97.66	8.27	0.0269 ± 0.0009
14D27322	12.5 %	✓	0.0624380	1.545	178.9541	1.725	0.0677630	55.029	11.26606	0.770	169.2913	1.184	14.79391 ± 0.43250	47.06 ± 1.36	97.39	7.45	0.0268 ± 0.0010
14D27324	13.7 %	✓	0.0598207	1.750	163.5034	1.882	0.1016565	34.911	9.26225	0.948	138.5640	1.447	14.61118 ± 0.52718	46.49 ± 1.66	96.50	6.12	0.0241 ± 0.0010
14D27325	15.1 %	✓	0.0421232	2.157	121.3865	2.413	0.0772975	45.905	7.59808	1.155	111.8079	1.793	14.48681 ± 0.63867	46.10 ± 2.01	97.38	5.03	0.0266 ± 0.0014
14D27326	16.5 %	✓	0.0740658	1.375	170.3372	1.827	0.0962214	37.551	8.53549	1.030	129.6142	1.546	14.38169 ± 0.57051	45.77 ± 1.79	93.43	5.63	0.0213 ± 0.0009
14D27328	18.0 %	✓	0.0587518	1.615	135.3760	2.153	0.1435417	26.688	7.12092	1.225	109.0143	1.839	14.55073 ± 0.68282	46.30 ± 2.14	93.83	4.70	0.0223 ± 0.0011
14D27329	19.5 %	✓	0.0865986	1.217	235.2404	1.326	0.2338003	16.669	14.59654	0.596	220.2620	0.910	14.76230 ± 0.33443	46.96 ± 1.05	96.76	9.65	0.0264 ± 0.0008
14D27330	21.0 %	✓	0.0244843	3.578	56.2637	5.060	0.0019221	1987.594	3.57744	2.447	54.4750	3.679	14.59385 ± 1.35697	46.43 ± 4.26	94.82	2.37	0.0271 ± 0.0030
14D27332	22.5 %	✓	0.0267403	3.478	61.9965	4.634	0.0902899	42.855	3.78747	2.311	57.1537	3.507	14.44907 ± 1.27970	45.98 ± 4.02	94.69	2.50	0.0260 ± 0.0027
14D27333	24.5 %	✓	0.0509384	1.880	110.3074	2.567	0.1250060	30.870	6.14373	1.423	96.5946	2.075	14.86247 ± 0.79604	47.28 ± 2.50	93.38	4.06	0.0237 ± 0.0014
		Σ	0.9644420	0.482	2621.0869	0.549	2.6706479	6.979	151.30978	0.282	2331.0533	0.421					

Information on Analysis and Constants Used in Calculations

Project = **RURUTU (13-INT-08)**
Sample = **RR1310-D16-35**
Material = **Plagioclase**
Location = **Rurutu Hotspot**
Region = **Tuvalu**
Analyst = **Kevin Konrad**
Irradiation = **14-OSU-02 (2A15-14)**
Position = **X: 0 | Y: 0 | Z/H: 20.6 mm**
FCT-NM Age = **28.201 ± 0.023 Ma**
FCT-NM Reference = **Kuiper et al. (2008)**
FCT-NM 40Ar/39Ar Ratio = **8.81895 ± 0.00838**
FCT-NM J-value = **0.00178223 ± 0.00000169**
Air Shot 40Ar/36Ar = **303.8810 ± 0.4163**
Air Shot MDF = **0.99309612 ± 0.00066636 (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-D16-35PL**
Rock Class = **Igneous>Volcanic**
Lithology = **Basalt**
Lat-Lon = **7°25.0'S - 179°16.1'E**

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) = **0.0006756 ± 0.0000089**
Production 38/37(ca) = **0.0000718 ± 0.0000092**
Production 36/37(ca) = **0.0002663 ± 0.0000004**
Production 40/39(k) = **0.003823 ± 0.000102**
Production 38/39(k) = **0.012031 ± 0.000019**
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		14.66661 ± 0.15378	**46.66 ± 0.49**	0.25	64.59	0.0249 ± 0.0012
Overestimated Error		± 1.05%	**± 1.05%**	99%	11	
		Full External Error ± 1.16		1.89	2σ Confidence Limit	
		Analytical Error ± 0.48		1.0000	Error Magnification	
Total Fusion Age		15.05863 ± 0.15882	**47.89 ± 0.51**		24	0.0245 ± 0.0003
		± 1.05%	**± 1.06%**			
		Full External Error ± 1.19				
		Analytical Error ± 0.50				
Normal Isochron	**235.80 ± 192.66**	14.76846 ± 0.36589	**46.98 ± 1.15**	0.24	64.59	
Overestimated Error	**± 81.70%**	± 2.48%	**± 2.45%**	99%	11	
		Full External Error ± 1.56		1.94	2σ Confidence Limit	
		Analytical Error ± 1.15		1.0000	Error Magnification	
				81	Number of Iterations	
				0.0001466114	Convergence	
Inverse Isochron	**235.88 ± 166.28**	14.77195 ± 0.36610	**46.99 ± 1.15**	0.24	64.59	
Overestimated Error	**± 70.49%**	± 2.48%	**± 2.45%**	99%	11	
		Full External Error ± 1.56		1.94	2σ Confidence Limit	
		Analytical Error ± 1.15		1.0000	Error Magnification	
				4	Number of Iterations	
				0.0000083984	Convergence	
				6%	Spreading Factor	

Notes
Sample contains a released fluid or melt inclusion at low temperature leading to a burst of excess Ar. The spectrum then evened out an produced a reliable plateau with an atmospheric intercept at the higher temperatures.

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
14D27302	1.8 %		0.0055354	10.3763	0.1761815	0.37477	4.1587	35.41 ± 38.04	71.75	0.25	0.0155 ± 0.0115
14D27304	2.0 %		0.0009466	11.4748	0.1619656	0.30462	3.7189	38.92 ± 47.55	92.98	0.20	0.0114 ± 0.0085
14D27305	2.4 %		0.0049164	14.7784	0.1249232	0.74082	9.2131	39.64 ± 19.62	86.36	0.50	0.0216 ± 0.0095
14D27306	2.8 %		0.0135746	26.4453	0.1459606	1.35936	21.0690	49.27 ± 11.27	83.99	0.91	0.0221 ± 0.0054
14D27308	3.2 %		0.0009483	17.5093	0.1011383	0.90615	12.3074	43.25 ± 16.33	97.75	0.61	0.0223 ± 0.0087
14D27309	3.6 %		0.0054187	55.8704	0.0531707	3.04306	43.6181	45.61 ± 4.91	96.43	2.03	0.0234 ± 0.0028
14D27310	4.0 %		0.0029780	57.5300	0.0375509	3.22512	46.6395	46.02 ± 4.66	98.12	2.16	0.0241 ± 0.0026
14D27312	4.5 %		0.0068206	41.0028	0.0142173	2.34692	34.6271	46.94 ± 6.43	94.48	1.57	0.0246 ± 0.0038
14D27313	5.1 %		0.0082273	104.1443	0.0000000	5.61272	94.7702	53.61 ± 2.80	97.48	3.75	0.0232 ± 0.0015
14D27314	5.8 %		0.0052122	121.9200	0.0383020	6.55863	127.3596	61.52 ± 2.51	98.79	4.39	0.0231 ± 0.0013
14D27316	6.7 %		0.0071277	157.7197	0.0000000	8.95233	141.8314	50.35 ± 1.72	98.51	5.99	0.0244 ± 0.0010
14D27317	7.7 %		0.0070974	145.1276	0.0000000	8.29685	125.9473	48.27 ± 1.84	98.34	5.55	0.0246 ± 0.0011
14D27318	8.9 %		0.0117837	199.0562	0.0152928	11.23149	172.0031	48.69 ± 1.36	97.99	7.51	0.0243 ± 0.0008
14D27320	10.1 %	✓	0.0135155	227.0286	0.0000000	13.15854	193.3039	46.74 ± 1.15	97.95	8.80	0.0249 ± 0.0008
14D27321	11.3 %	✓	0.0145291	197.7381	0.0000000	12.37289	181.3083	46.62 ± 1.23	97.66	8.27	0.0269 ± 0.0009
14D27322	12.5 %	✓	0.0147825	178.9541	0.0000000	11.14516	164.8805	47.06 ± 1.36	97.39	7.45	0.0268 ± 0.0010
14D27324	13.7 %	✓	0.0162797	163.5034	0.0000000	9.15179	133.7184	46.49 ± 1.66	96.50	6.12	0.0241 ± 0.0010
14D27325	15.1 %	✓	0.0097980	121.3865	0.0000000	7.51607	108.8839	46.10 ± 2.01	97.38	5.03	0.0266 ± 0.0014
14D27326	16.5 %	✓	0.0287050	170.3372	0.0000000	8.42041	121.0997	45.77 ± 1.79	93.43	5.63	0.0213 ± 0.0009
14D27328	18.0 %	✓	0.0226857	135.3760	0.0450103	7.02946	102.2838	46.30 ± 2.14	93.83	4.70	0.0223 ± 0.0011
14D27329	19.5 %	✓	0.0239407	235.2404	0.0387366	14.43761	213.1324	46.96 ± 1.05	96.76	9.65	0.0264 ± 0.0008
14D27330	21.0 %	✓	0.0095013	56.2637	0.0000000	3.53943	51.6539	46.43 ± 4.26	94.82	2.37	0.0271 ± 0.0030
14D27332	22.5 %	✓	0.0102172	61.9965	0.0388659	3.74558	54.1202	45.98 ± 4.02	94.69	2.50	0.0260 ± 0.0027
14D27333	24.5 %	✓	0.0215497	110.3074	0.0400397	6.06921	90.2035	47.28 ± 2.50	93.38	4.06	0.0237 ± 0.0014
		Σ	0.2660912	2621.0869	1.0313555	149.53898	2251.8517				

Information on Analysis

Project = **RURUTU (13-INT-08)**
Sample = **RR1310-D16-35**
Material = **Plagioclase**
Location = **Rurutu Hotspot**
Region = **Tuvalu**
Analyst = **Kevin Konrad**
Irradiation = **14-OSU-02 (2A15-14)**
J = **0.00178223 ± 0.00000169**
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	14.66661	± 0.15378	**46.66**	**± 0.49**	0.25	64.59	0.0249 ± 0.0012
Overestimated Error		± 1.05%		**± 1.05%**	99%	11	
			Full External Error	± 1.16	1.89	2σ Confidence Limit	
			Analytical Error	± 0.48	1.0000	Error Magnification	
Total Fusion Age	15.05863	± 0.15882	**47.89**	**± 0.51**		24	0.0245 ± 0.0003
		± 1.05%		**± 1.06%**			
			Full External Error	± 1.19			
			Analytical Error	± 0.50			

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
14D27302	1.8 %		67.71 ± 43.52	1046.80 ± 859.48	0.3706
14D27304	2.0 %		321.82 ± 799.73	4224.41 ± 11056.93	0.8988
14D27305	2.4 %		150.68 ± 81.21	2169.45 ± 1331.25	0.7115
14D27306	2.8 %		100.14 ± 21.47	1847.59 ± 433.51	0.5867
14D27308	3.2 %		955.59 ± 2348.67	13274.31 ± 32800.02	0.9886
14D27309	3.6 %		561.58 ± 248.13	8345.03 ± 3730.87	0.9721
14D27310	4.0 %		1082.97 ± 814.14	15956.73 ± 12039.94	0.9911
14D27312	4.5 %		344.09 ± 115.31	5372.32 ± 1851.41	0.9247
14D27313	5.1 %		682.21 ± 198.65	11814.53 ± 3454.97	0.9843
14D27314	5.8 %		1258.33 ± 588.34	24730.56 ± 11569.89	0.9962
14D27316	6.7 %		1256.00 ± 437.19	20194.23 ± 7040.88	0.9953
14D27317	7.7 %		1169.01 ± 405.96	18041.17 ± 6279.11	0.9941
14D27318	8.9 %		953.13 ± 218.43	14892.15 ± 3421.92	0.9928
14D27320	10.1 %	✓	973.59 ± 197.85	14597.93 ± 2974.99	0.9929
14D27321	11.3 %	✓	851.59 ± 154.21	12774.48 ± 2322.57	0.9899
14D27322	12.5 %	✓	753.94 ± 130.02	11449.23 ± 1984.99	0.9866
14D27324	13.7 %	✓	562.16 ± 92.57	8509.30 ± 1413.21	0.9780
14D27325	15.1 %	✓	767.10 ± 188.52	11408.35 ± 2820.75	0.9849
14D27326	16.5 %	✓	293.34 ± 27.56	4514.26 ± 436.49	0.9237
14D27328	18.0 %	✓	309.86 ± 34.39	4804.24 ± 548.90	0.9228
14D27329	19.5 %	✓	603.06 ± 68.17	9197.99 ± 1047.35	0.9815
14D27330	21.0 %	✓	372.52 ± 92.72	5732.03 ± 1460.55	0.9383
14D27332	22.5 %	✓	366.60 ± 88.13	5592.47 ± 1375.87	0.9402
14D27333	24.5 %	✓	281.64 ± 32.90	4481.33 ± 540.31	0.9099

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	**235.80 ± 192.66**	14.76846 ± 0.36589	**46.98 ± 1.15**	0.24
Overestimated Error	**± 81.70%**	± 2.48%	**± 2.45%**	99%
			Full External Error ± 1.56	
			Analytical Error ± 1.15	

Statistics				
	2σ Confidence Limit	1.94	Convergence	0.000146611376
	Error Magnification	1.0000	Number of Iterations	81
	Number of Data Points	11	Calculated Line	Weighted York-2

Inverse Isochron			39(k)/40(a+r) ± 2σ		36(a)/40(a+r) ± 2σ		r.i.
14D27302	1.8 %		0.0646783	± 0.0539663	0.00095529	± 0.00078435	0.6985
14D27304	2.0 %		0.0761805	± 0.0880059	0.00023672	± 0.00061959	0.3323
14D27305	2.4 %		0.0694572	± 0.0307787	0.00046095	± 0.00028285	0.5194
14D27306	2.8 %		0.0542004	± 0.0111062	0.00054125	± 0.00012700	0.5313
14D27308	3.2 %		0.0719876	± 0.0267640	0.00007533	± 0.00018614	0.1104
14D27309	3.6 %		0.0672956	± 0.0070747	0.00011983	± 0.00005357	0.1672
14D27310	4.0 %		0.0678694	± 0.0068035	0.00006267	± 0.00004729	0.0941
14D27312	4.5 %		0.0640492	± 0.0084661	0.00018614	± 0.00006415	0.2627
14D27313	5.1 %		0.0577432	± 0.0029859	0.00008464	± 0.00002475	0.1125
14D27314	5.8 %		0.0508816	± 0.0020776	0.00004044	± 0.00001892	0.0506
14D27316	6.7 %		0.0621959	± 0.0021106	0.00004952	± 0.00001727	0.0656
14D27317	7.7 %		0.0647966	± 0.0024413	0.00005543	± 0.00001929	0.0747
14D27318	8.9 %		0.0640025	± 0.0017670	0.00006715	± 0.00001543	0.0823
14D27320	10.1 %	✓	0.0666938	± 0.0016190	0.00006850	± 0.00001396	0.0835
14D27321	11.3 %	✓	0.0666637	± 0.0017228	0.00007828	± 0.00001423	0.0993
14D27322	12.5 %	✓	0.0658508	± 0.0018670	0.00008734	± 0.00001514	0.1141
14D27324	13.7 %	✓	0.0660640	± 0.0022941	0.00011752	± 0.00001952	0.1452
14D27325	15.1 %	✓	0.0672403	± 0.0028780	0.00008766	± 0.00002167	0.1215
14D27326	16.5 %	✓	0.0649813	± 0.0024259	0.00022152	± 0.00002142	0.2651
14D27328	18.0 %	✓	0.0644979	± 0.0028618	0.00020815	± 0.00002378	0.2669
14D27329	19.5 %	✓	0.0655638	± 0.0014318	0.00010872	± 0.00001238	0.1333
14D27330	21.0 %	✓	0.0649895	± 0.0057636	0.00017446	± 0.00004445	0.2397
14D27332	22.5 %	✓	0.0655517	± 0.0055260	0.00017881	± 0.00004399	0.2373
14D27333	24.5 %	✓	0.0628469	± 0.0031755	0.00022315	± 0.00002690	0.2828

Results	40(a)/36(a) ± 2σ		40(r)/39(k) ± 2σ		Age ± 2σ (Ma)		MSWD
Inverse Isochron	**235.88**	**± 166.28**	14.77195	± 0.36610	**46.99**	**± 1.15**	0.24
Overestimated Error		**± 70.49%**		± 2.48%		**± 2.45%**	99%
					Full External Error	± 1.56	
					Analytical Error	± 1.15	

Statistics				
	2σ Confidence Limit	1.94	Convergence	0.0000083984
	Error Magnification	1.0000	Number of Iterations	4
	Number of Data Points	11	Calculated Line	Weighted York-2
	Spreading Factor	6.5%		

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]
14D27302	1.8 %		0.0055354	22.11	0.0000000	0.00	0.0027632	28.61	0.0000607	21.63	10.3763	28.61	0.0010346	22.11	0.0000000	0.00	0.0045089	23.33	0.0007450	31.35	0.1761815	21.65	0.37477	23.33	0.0070102	28.64	4.1587	48.97	1.635709	22.11	0.0000000	0.00	0.0014328
14D27304	2.0 %		0.0009466	120.89	0.0000000	0.00	0.0030557	23.45	0.0000558	24.46	11.4748	23.45	0.0001769	120.89	0.0000000	0.00	0.0036649	28.71	0.0008239	26.73	0.1619656	24.47	0.30462	28.71	0.0077524	23.49	3.7189	54.65	0.279708	120.89	0.0000000	0.00	0.0011646
14D27305	2.4 %		0.0049164	24.25	0.0000000	0.00	0.0039355	18.67	0.0000430	29.43	14.7784	18.67	0.0009189	24.25	0.0000000	0.00	0.0089128	11.74	0.0010611	22.65	0.1249232	29.44	0.74082	11.74	0.0099843	18.72	9.2131	22.09	1.452788	24.25	0.0000000	0.00	0.0028322
14D27306	2.8 %		0.0135746	8.59	0.0000000	0.00	0.0070424	10.27	0.0000503	27.45	26.4453	10.27	0.0025371	8.59	0.0000000	0.00	0.0163545	6.41	0.0018988	16.43	0.1459606	27.47	1.35936	6.41	0.0178664	10.36	21.0690	9.65	4.011297	8.59	0.0000000	0.00	0.0051968
14D27308	3.2 %		0.0009483	122.52	0.0000000	0.00	0.0046627	17.08	0.0000348	38.93	17.5093	17.08	0.0001772	122.52	0.0000000	0.00	0.0109019	9.60	0.0012572	21.35	0.1011383	38.94	0.90615	9.59	0.0118293	17.13	12.3074	16.52	0.280213	122.52	0.0000000	0.00	0.0034642
14D27309	3.6 %		0.0054187	21.91	0.0000000	0.00	0.0148783	5.28	0.0000183	69.19	55.8704	5.28	0.0010128	21.91	0.0000000	0.00	0.0366110	2.83	0.0040115	13.86	0.0531707	69.19	3.04306	2.83	0.0377460	5.44	43.6181	4.66	1.601228	21.91	0.0000000	0.00	0.0116336
14D27310	4.0 %		0.0029780	37.49	0.0000000	0.00	0.0153202	4.71	0.0000129	102.83	57.5300	4.71	0.0005566	37.49	0.0000000	0.00	0.0388014	2.71	0.0041307	13.66	0.0375509	102.83	3.22512	2.71	0.0388673	4.89	46.6395	4.36	0.880006	37.49	0.0000000	0.00	0.0123296
14D27312	4.5 %		0.0068206	16.34	0.0000000	0.00	0.0109190	6.69	0.0000049	269.49	41.0028	6.69	0.0012748	16.34	0.0000000	0.00	0.0282359	3.71	0.0029440	14.46	0.0142173	269.49	2.34692	3.71	0.0277015	6.82	34.6271	5.87	2.015494	16.34	0.0000000	0.00	0.0089723
14D27313	5.1 %		0.0082273	14.48	0.0000000	0.00	0.0277336	2.83	0.0000000	0.00	104.1443	2.82	0.0015377	14.48	0.0000000	0.00	0.0675266	1.57	0.0074776	13.13	0.0000000	0.00	5.61272	1.56	0.0703599	3.12	94.7702	2.15	2.431160	14.48	0.0000000	0.00	0.0214574
14D27314	5.8 %		0.0052122	23.34	0.0000000	0.00	0.0324673	2.41	0.0000132	103.23	121.9200	2.41	0.0009742	23.34	0.0000000	0.00	0.0789069	1.33	0.0087539	13.04	0.0383020	103.23	6.55863	1.32	0.0823691	2.74	127.3596	1.60	1.540195	23.34	0.0000000	0.00	0.0250737
14D27316	6.7 %		0.0071277	17.38	0.0000000	0.00	0.0420007	1.88	0.0000000	0.00	157.7197	1.88	0.0013322	17.38	0.0000000	0.00	0.1077054	0.98	0.0113243	12.96	0.0000000	0.00	8.95233	0.97	0.1065554	2.29	141.8314	1.44	2.106224	17.38	0.0000000	0.00	0.0342247
14D27317	7.7 %		0.0070974	17.33	0.0000000	0.00	0.0386475	2.02	0.0000000	0.00	145.1276	2.02	0.0013265	17.33	0.0000000	0.00	0.0998194	1.06	0.0104202	12.98	0.0000000	0.00	8.29685	1.05	0.0980482	2.41	125.9473	1.62	2.097268	17.33	0.0000000	0.00	0.0317189
14D27318	8.9 %		0.0117837	11.43	0.0000000	0.00	0.0530087	1.49	0.0000053	251.90	199.0562	1.48	0.0022024	11.43	0.0000000	0.00	0.1351260	0.79	0.0142922	12.91	0.0152928	251.90	11.23149	0.78	0.1344824	1.98	172.0031	1.19	3.482096	11.43	0.0000000	0.00	0.0429380
14D27320	10.1 %	✓	0.0135155	10.14	0.0000000	0.00	0.0604577	1.40	0.0000000	0.00	227.0286	1.40	0.0025260	10.14	0.0000000	0.00	0.1583104	0.68	0.0163007	12.90	0.0000000	0.00	13.15854	0.66	0.1533805	1.92	193.3039	1.06	3.993817	10.14	0.0000000	0.00	0.0503051
14D27321	11.3 %	✓	0.0145291	9.03	0.0000000	0.00	0.0526577	1.61	0.0000000	0.00	197.7381	1.60	0.0027155	9.03	0.0000000	0.00	0.1488582	0.73	0.0141976	12.92	0.0000000	0.00	12.37289	0.71	0.1335919	2.08	181.3083	1.13	4.293347	9.03	0.0000000	0.00	0.0473016
14D27322	12.5 %	✓	0.0147825	8.59	0.0000000	0.00	0.0476555	1.73	0.0000000	0.00	178.9541	1.72	0.0027629	8.59	0.0000000	0.00	0.1340874	0.80	0.0128489	12.94	0.0000000	0.00	11.14516	0.78	0.1209014	2.17	164.8805	1.24	4.368243	8.59	0.0000000	0.00	0.0426079
14D27324	13.7 %	✓	0.0162797	8.18	0.0000000	0.00	0.0435410	1.89	0.0000000	0.00	163.5034	1.88	0.0030427	8.18	0.0000000	0.00	0.1101051	0.97	0.0117395	12.96	0.0000000	0.00	9.15179	0.96	0.1104629	2.30	133.7184	1.53	4.810659	8.18	0.0000000	0.00	0.0349873
14D27325	15.1 %	✓	0.0097980	12.23	0.0000000	0.00	0.0323252	2.42	0.0000000	0.00	121.3865	2.41	0.0018312	12.23	0.0000000	0.00	0.0904258	1.18	0.0087155	13.05	0.0000000	0.00	7.51607	1.17	0.0820087	2.75	108.8839	1.87	2.895313	12.23	0.0000000	0.00	0.0287339
14D27326	16.5 %	✓	0.0287050	4.58	0.0000000	0.00	0.0453608	1.83	0.0000000	0.00	170.3372	1.83	0.0053650	4.58	0.0000000	0.00	0.1013059	1.06	0.0122302	12.95	0.0000000	0.00	8.42041	1.04	0.1150798	2.25	121.0997	1.69	8.482334	4.58	0.0000000	0.00	0.0321912
14D27328	18.0 %	✓	0.0226857	5.41	0.0000000	0.00	0.0360506	2.16	0.0000155	85.20	135.3760	2.15	0.0042400	5.41	0.0000000	0.00	0.0845714	1.25	0.0097200	13.00	0.0450103	85.20	7.02946	1.24	0.0914600	2.53	102.2838	1.99	6.703615	5.41	0.0000000	0.00	0.0268736
14D27329	19.5 %	✓	0.0239407	5.62	0.0000000	0.00	0.0626445	1.33	0.0000134	100.82	235.2404	1.33	0.0044745	5.62	0.0000000	0.00	0.1736989	0.62	0.0168903	12.89	0.0387366	100.82	14.43761	0.60	0.1589284	1.87	213.1324	0.96	7.074491	5.62	0.0000000	0.00	0.0551950
14D27330	21.0 %	✓	0.0095013	12.20	0.0000000	0.00	0.0149830	5.06	0.0000000	0.00	56.2637	5.06	0.0017758	12.20	0.0000000	0.00	0.0425828	2.48	0.0040397	13.78	0.0000000	0.00	3.53943	2.47	0.0380118	5.23	51.6539	3.94	2.807622	12.20	0.0000000	0.00	0.0135312
14D27332	22.5 %	✓	0.0102172	11.79	0.0000000	0.00	0.0165097	4.64	0.0000134	99.62	61.9965	4.63	0.0019096	11.79	0.0000000	0.00	0.0450631	2.34	0.0044513	13.63	0.0388659	99.62	3.74558	2.34	0.0418848	4.82	54.1202	3.76	3.019183	11.79	0.0000000	0.00	0.0143194
14D27333	24.5 %	✓	0.0215497	5.66	0.0000000	0.00	0.0293749	2.57	0.0000138	96.46	110.3074	2.57	0.0040276	5.66	0.0000000	0.00	0.0730187	1.45	0.0079201	13.07	0.0400397	96.46	6.06921	1.44	0.0745237	2.89	90.2035	2.26	6.367942	5.66	0.0000000	0.00	0.0232026
		Σ	0.2660912	2.27	0.0000000	0.00	0.6979954	0.55	0.0003553	14.01	2621.0869	0.55	0.0497324	2.27	0.0000000	0.00	1.7991035	0.29	0.1881940	3.17	1.0313555	14.01	149.53898	0.29	1.7708063	0.64	2251.8517	0.44	78.629953	2.27	0.0000000	0.00	0.5716875
		Σ							0.9644420	0.74	2621.0869	0.55									3.0683854	4.72			151.30978	0.28							2331.0533

%1σ
23.48
28.83
12.04
6.94
9.96
3.88
3.80
4.56
3.08
2.97
2.83
2.86
2.77
2.74
2.75
2.77
2.83
2.91
2.86
2.94
2.73
3.63
3.54
3.02
0.72
0.43

Additional Parameters			40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
14D27302	1.8 %		15.181006	6.295656	27.178367	9.959001	0.021895	0.005578	212.088	66.130760	1.00149850	2.782E-13
14D27304	2.0 %		12.804664	7.349228	36.734386	13.414222	0.012991	0.004623	212.106	66.153442	1.00149862	1.920E-13
14D27305	2.4 %		14.209678	3.135883	19.683469	4.324902	0.011847	0.001857	212.115	66.165239	1.00149868	5.121E-13
14D27306	2.8 %		18.214471	1.856316	19.201792	2.316558	0.015006	0.001159	212.123	66.176131	1.00149874	1.204E-12
14D27308	3.2 %		13.716040	2.540313	19.073683	3.724409	0.006150	0.001090	212.140	66.198827	1.00149887	6.044E-13
14D27309	3.6 %		14.681527	0.768804	18.134993	1.082778	0.006594	0.000343	212.149	66.209725	1.00149892	2.171E-12
14D27310	4.0 %		14.562509	0.727197	17.625674	0.954554	0.005610	0.000301	212.158	66.221532	1.00149899	2.282E-12
14D27312	4.5 %		15.434648	1.016106	17.267039	1.317363	0.007473	0.000448	212.175	66.244244	1.00149911	1.759E-12
14D27313	5.1 %		17.107433	0.440215	18.325344	0.589381	0.006328	0.000185	212.183	66.255149	1.00149917	4.667E-12
14D27314	5.8 %		19.413463	0.394179	18.358668	0.502586	0.005676	0.000159	212.192	66.266056	1.00149923	6.188E-12
14D27316	6.7 %		15.892898	0.268546	17.410500	0.366662	0.005423	0.000117	212.209	66.288783	1.00149935	6.911E-12
14D27317	7.7 %		15.256446	0.286282	17.287603	0.391698	0.005449	0.000126	212.218	66.300605	1.00149942	6.148E-12
14D27318	8.9 %		15.443311	0.212323	17.513350	0.292069	0.005701	0.000105	212.226	66.311519	1.00149947	8.425E-12
14D27320	10.1 %	✓	14.824910	0.179253	17.054537	0.263168	0.005557	0.000089	212.244	66.334262	1.00149960	9.473E-12
14D27321	11.3 %	✓	14.844218	0.191134	15.810850	0.276895	0.005372	0.000088	212.252	66.345181	1.00149966	8.911E-12
14D27322	12.5 %	✓	15.026667	0.212265	15.884356	0.300048	0.005542	0.000096	212.261	66.357013	1.00149972	8.126E-12
14D27324	13.7 %	✓	14.960084	0.258726	17.652672	0.372036	0.006459	0.000129	212.278	66.379772	1.00149984	6.651E-12
14D27325	15.1 %	✓	14.715291	0.313823	15.975948	0.427471	0.005544	0.000136	212.287	66.390699	1.00149990	5.367E-12
14D27326	16.5 %	✓	15.185328	0.282176	19.956355	0.418628	0.008677	0.000149	212.296	66.402538	1.00149997	6.221E-12
14D27328	18.0 %	✓	15.309018	0.338181	19.011031	0.470880	0.008251	0.000167	212.313	66.424402	1.00150008	5.233E-12
14D27329	19.5 %	✓	15.090021	0.164169	16.116177	0.234299	0.005933	0.000080	212.322	66.436247	1.00150015	1.057E-11
14D27330	21.0 %	✓	15.227382	0.672824	15.727388	0.884015	0.006844	0.000297	212.330	66.447184	1.00150021	2.615E-12
14D27332	22.5 %	✓	15.090214	0.633737	16.368844	0.847546	0.007060	0.000295	212.347	66.469973	1.00150033	2.743E-12
14D27333	24.5 %	✓	15.722460	0.395542	17.954450	0.526913	0.008291	0.000195	212.356	66.481827	1.00150039	4.637E-12

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
14D27302	1.8 %	0.0196770 ± 0.0006541	0.0364705 ± 0.0295215	0.3089425 ± 0.0264876	0.0151294 ± 0.0825465	6.8837962 ± 2.0091877
14D27304	2.0 %	0.0192938 ± 0.0006541	0.0395118 ± 0.0295215	0.3091805 ± 0.0264876	0.0261482 ± 0.0825465	7.3000267 ± 2.0091877
14D27305	2.4 %	0.0191524 ± 0.0006541	0.0390326 ± 0.0295215	0.3083160 ± 0.0264876	0.0261677 ± 0.0825465	7.2549260 ± 2.0091877
14D27306	2.8 %	0.0190501 ± 0.0006541	0.0376444 ± 0.0295215	0.3069977 ± 0.0264876	0.0237249 ± 0.0825465	7.0994897 ± 2.0091877
14D27308	3.2 %	0.0189051 ± 0.0006541	0.0326845 ± 0.0295215	0.3028993 ± 0.0264876	0.0137739 ± 0.0825465	6.5471455 ± 2.0091877
14D27309	3.6 %	0.0188605 ± 0.0006541	0.0296745 ± 0.0295215	0.3004044 ± 0.0264876	0.0077984 ± 0.0825465	6.2235023 ± 2.0091877
14D27310	4.0 %	0.0188253 ± 0.0006541	0.0261975 ± 0.0295215	0.2974079 ± 0.0264876	0.0011845 ± 0.0825465	5.8634977 ± 2.0091877
14D27312	4.5 %	0.0187848 ± 0.0006541	0.0194988 ± 0.0295215	0.2910635 ± 0.0264876	0.0101802 ± 0.0825465	5.2245931 ± 2.0091877
14D27313	5.1 %	0.0187735 ± 0.0006541	0.0165303 ± 0.0295215	0.2878782 ± 0.0264876	0.0143279 ± 0.0825465	4.9741477 ± 2.0091877
14D27314	5.8 %	0.0187655 ± 0.0006541	0.0138591 ± 0.0295215	0.2846875 ± 0.0264876	0.0172945 ± 0.0825465	4.7759009 ± 2.0091877
14D27316	6.7 %	0.0187552 ± 0.0006541	0.0096007 ± 0.0295215	0.2783041 ± 0.0264876	0.0189793 ± 0.0825465	4.5651418 ± 2.0091877
14D27317	7.7 %	0.0187523 ± 0.0006541	0.0082346 ± 0.0295215	0.2752815 ± 0.0264876	0.0172392 ± 0.0825465	4.5751574 ± 2.0091877
14D27318	8.9 %	0.0187512 ± 0.0006541	0.0075551 ± 0.0295215	0.2727680 ± 0.0264876	0.0140152 ± 0.0825465	4.6596719 ± 2.0091877
14D27320	10.1 %	0.0187571 ± 0.0006541	0.0080452 ± 0.0295215	0.2686878 ± 0.0264876	0.0026006 ± 0.0825465	5.0594889 ± 2.0091877
14D27321	11.3 %	0.0187664 ± 0.0006541	0.0092121 ± 0.0295215	0.2674298 ± 0.0264876	0.0048494 ± 0.0825465	5.3484815 ± 2.0091877
14D27322	12.5 %	0.0187841 ± 0.0006541	0.0111439 ± 0.0295215	0.2666899 ± 0.0264876	0.0140406 ± 0.0825465	5.7201340 ± 2.0091877
14D27324	13.7 %	0.0188507 ± 0.0006541	0.0166732 ± 0.0295215	0.2674179 ± 0.0264876	0.0336585 ± 0.0825465	6.5526912 ± 2.0091877
14D27325	15.1 %	0.0189042 ± 0.0006541	0.0200745 ± 0.0295215	0.2689289 ± 0.0264876	0.0432098 ± 0.0825465	6.9759164 ± 2.0091877
14D27326	16.5 %	0.0189833 ± 0.0006541	0.0242049 ± 0.0295215	0.2715326 ± 0.0264876	0.0529778 ± 0.0825465	7.4237880 ± 2.0091877
14D27328	18.0 %	0.0192035 ± 0.0006541	0.0326913 ± 0.0295215	0.2792986 ± 0.0264876	0.0672604 ± 0.0825465	8.1316404 ± 2.0091877
14D27329	19.5 %	0.0193737 ± 0.0006541	0.0375173 ± 0.0295215	0.2852864 ± 0.0264876	0.0716040 ± 0.0825465	8.3938132 ± 2.0091877
14D27330	21.0 %	0.0195695 ± 0.0006541	0.0419459 ± 0.0295215	0.2920353 ± 0.0264876	0.0725657 ± 0.0825465	8.5211599 ± 2.0091877
14D27332	22.5 %	0.0201225 ± 0.0006541	0.0504668 ± 0.0295215	0.3102172 ± 0.0264876	0.0618659 ± 0.0825465	8.2938836 ± 2.0091877
14D27333	24.5 %	0.0205021 ± 0.0006541	0.0541463 ± 0.0295215	0.3220653 ± 0.0264876	0.0475820 ± 0.0825465	7.8309951 ± 2.0091877

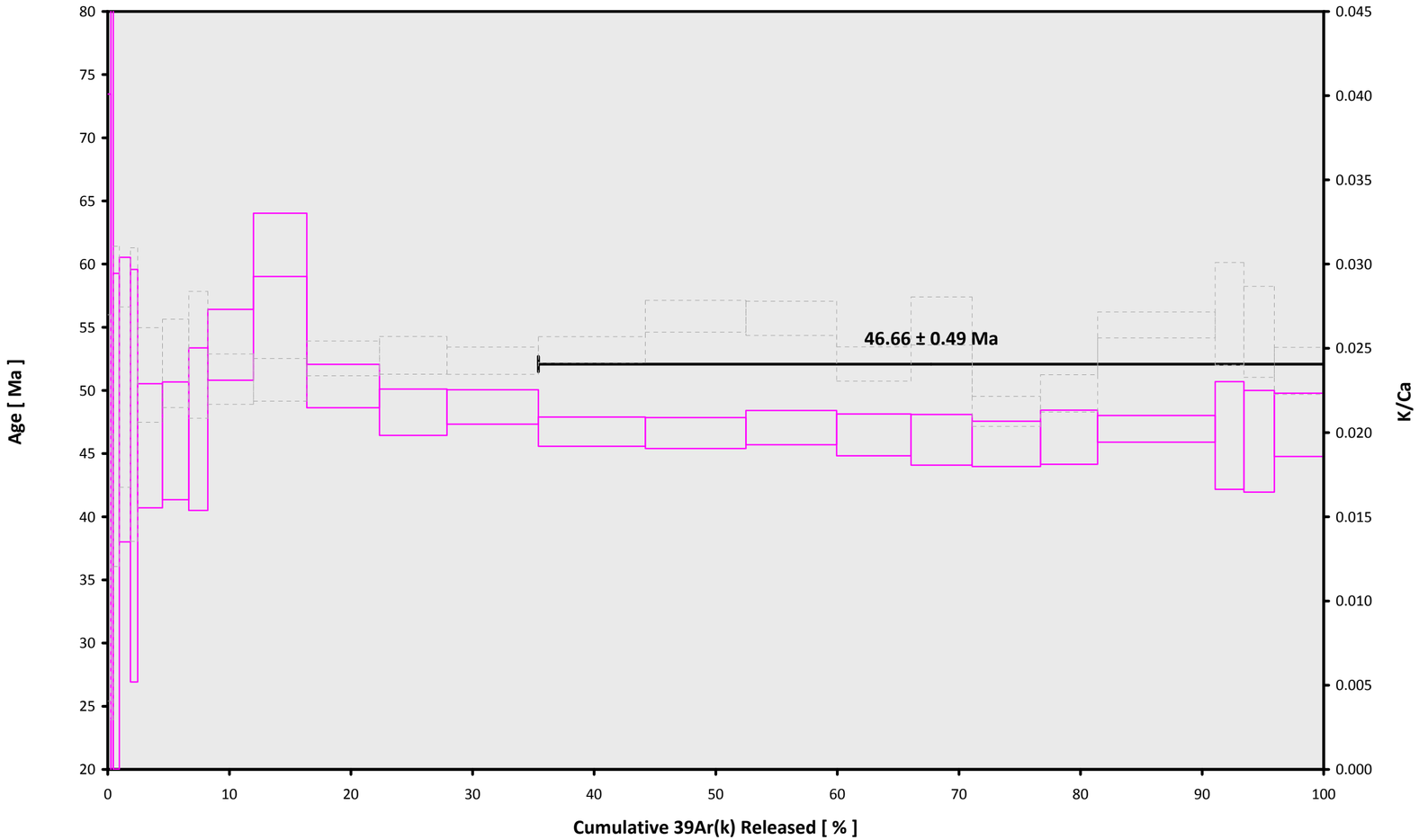
Intercept Values		36Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	37Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	38Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	39Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	40Ar ± 1σ (SE) [fA]	r2	Regression (type,n)
14D27302	1.8 %	0.0276554 ± 0.0006058	0.9523	EXP 150 of 150	0.1171900 ± 0.0325652	0.0093	EXP 150 of 150	0.1289915 ± 0.0265971	0.0006	EXP 150 of 150	0.3937160 ± 0.0264078	0.2055	EXP 150 of 150	12.69472 ± 0.02837	0.9997	EXP 150 of 150
14D27304	2.0 %	0.0231670 ± 0.0005447	0.9213	EXP 150 of 150	0.1303580 ± 0.0267335	0.0837	EXP 150 of 150	0.1448496 ± 0.0286509	0.0456	EXP 150 of 150	0.3359034 ± 0.0265026	0.0648	EXP 150 of 150	11.31023 ± 0.03097	0.9991	EXP 150 of 150
14D27305	2.4 %	0.0276421 ± 0.0006122	0.9298	EXP 150 of 150	0.1797043 ± 0.0281911	0.0000	EXP 150 of 150	0.1743750 ± 0.0247036	0.0002	EXP 150 of 150	0.7706820 ± 0.0249064	0.0671	EXP 150 of 150	17.95130 ± 0.02809	0.9995	EXP 150 of 150
14D27306	2.8 %	0.0387758 ± 0.0005750	0.9105	EXP 150 of 150	0.3537102 ± 0.0271733	0.0069	EXP 150 of 150	0.1425488 ± 0.0292744	0.0213	EXP 150 of 150	1.3894166 ± 0.0255274	0.0038	EXP 150 of 150	32.25009 ± 0.03107	0.9990	EXP 150 of 150
14D27308	3.2 %	0.0242938 ± 0.0004729	0.8886	EXP 150 of 150	0.2263406 ± 0.0329017	0.0020	EXP 150 of 150	0.1909913 ± 0.0283494	0.0167	EXP 150 of 150	0.9240648 ± 0.0247715	0.0001	EXP 150 of 150	19.17089 ± 0.03082	0.9984	EXP 150 of 150
14D27309	3.6 %	0.0382502 ± 0.0005393	0.8410	EXP 150 of 150	0.7967134 ± 0.0316823	0.0106	EXP 150 of 150	0.2069072 ± 0.0247538	0.0012	EXP 150 of 150	3.0627962 ± 0.0212167	0.3209	EXP 150 of 150	51.57184 ± 0.02768	0.9980	EXP 150 of 150
14D27310	4.0 %	0.0363023 ± 0.0004802	0.7227	EXP 150 of 150	0.8245859 ± 0.0265417	0.0173	EXP 150 of 150	0.2174871 ± 0.0273268	0.0105	EXP 150 of 150	3.2378298 ± 0.0260388	0.3554	EXP 150 of 150	53.51873 ± 0.03285	0.9935	EXP 150 of 150
14D27312	4.5 %	0.0357209 ± 0.0004635	0.6103	EXP 150 of 150	0.5866637 ± 0.0275447	0.0004	EXP 150 of 150	0.2450359 ± 0.0269184	0.0020	EXP 150 of 150	2.3445536 ± 0.0251896	0.1160	EXP 150 of 150	41.97125 ± 0.02917	0.9944	EXP 150 of 150
14D27313	5.1 %	0.0530961 ± 0.0005433	0.4651	EXP 148 of 150	1.5228289 ± 0.0303750	0.1077	EXP 150 of 150	0.2133938 ± 0.0247917	0.0009	EXP 150 of 150	5.6211397 ± 0.0265124	0.5833	EXP 150 of 150	102.44934 ± 0.03824	0.8720	EXP 150 of 150
14D27314	5.8 %	0.0547409 ± 0.0005936	0.3996	EXP 150 of 150	1.7879458 ± 0.0296233	0.1318	EXP 150 of 150	0.1595030 ± 0.0285670	0.0306	EXP 150 of 150	6.5680755 ± 0.0237463	0.7313	EXP 150 of 150	134.03542 ± 0.03779	0.8373	EXP 150 of 150
14D27316	6.7 %	0.0656454 ± 0.0006198	0.3682	EXP 150 of 150	2.3204740 ± 0.0286487	0.1525	EXP 149 of 150	0.1780208 ± 0.0247315	0.0071	EXP 150 of 150	8.9640139 ± 0.0234388	0.8504	EXP 150 of 150	148.91074 ± 0.03864	0.9563	EXP 150 of 150
14D27317	7.7 %	0.0624130 ± 0.0006168	0.3320	EXP 149 of 150	2.1354294 ± 0.0284708	0.1939	EXP 150 of 150	0.2513427 ± 0.0279073	0.0220	EXP 148 of 150	8.3073300 ± 0.0241551	0.8158	EXP 150 of 150	132.98389 ± 0.03956	0.8615	EXP 150 of 150
14D27318	8.9 %	0.0805967 ± 0.0007930	0.1701	EXP 150 of 150	2.9321971 ± 0.0260505	0.3239	EXP 150 of 150	0.1081589 ± 0.0271460	0.0394	EXP 150 of 150	11.2567346 ± 0.0239915	0.8937	EXP 149 of 150	180.64346 ± 0.04219	0.9839	EXP 150 of 150
14D27320	10.1 %	0.0893601 ± 0.0007670	0.1830	EXP 150 of 150	3.3436674 ± 0.0294798	0.2659	EXP 150 of 150	0.1344154 ± 0.0262746	0.0002	EXP 150 of 150	13.1977976 ± 0.0246525	0.9197	EXP 150 of 150	202.91975 ± 0.04138	0.9917	EXP 150 of 150
14D27321	11.3 %	0.0828922 ± 0.0006723	0.2592	EXP 150 of 150	2.9095923 ± 0.0313067	0.1340	EXP 150 of 150	0.1512138 ± 0.0287989	0.0002	EXP 150 of 150	12.4065555 ± 0.0262264	0.9026	EXP 150 of 150	191.47929 ± 0.04017	0.9899	EXP 150 of 150
14D27322	12.5 %	0.0783774 ± 0.0006272	0.2763	EXP 150 of 150	2.6299199 ± 0.0303871	0.1822	EXP 150 of 150	0.1998624 ± 0.0255103	0.0177	EXP 150 of 150	11.1857170 ± 0.0231766	0.9016	EXP 149 of 150	175.45090 ± 0.04366	0.9809	EXP 150 of 150
14D27324	13.7 %	0.0759460 ± 0.0007390	0.2360	EXP 150 of 150	2.3955372 ± 0.0309281	0.1021	EXP 150 of 150	0.1671648 ± 0.0228759	0.0078	EXP 150 of 150	9.2183101 ± 0.0269855	0.8139	EXP 150 of 150	145.47638 ± 0.03846	0.9567	EXP 150 of 150
14D27325	15.1 %	0.0591084 ± 0.0005584	0.4161	EXP 150 of 150	1.7704783 ± 0.0294498	0.1157	EXP 150 of 150	0.1926986 ± 0.0228685	0.0003	EXP 150 of 150	7.5776308 ± 0.0271309	0.7498	EXP 150 of 150	119.07405 ± 0.03774	0.6567	EXP 150 of 150
14D27326	16.5 %	0.0896747 ± 0.0006924	0.1316	EXP 150 of 150	2.4879645 ± 0.0313400	0.2233	EXP 150 of 150	0.1766396 ± 0.0238349	0.0016	EXP 150 of 150	8.5169554 ± 0.0275534	0.7947	EXP 149 of 150	137.37440 ± 0.03861	0.9283	EXP 150 of 150
14D27328	18.0 %	0.0752787 ± 0.0006069	0.1746	EXP 150 of 150	1.9632057 ± 0.0285497	0.1735	EXP 150 of 150	0.1377385 ± 0.0269373	0.0726	EXP 150 of 150	7.1285202 ± 0.0253036	0.7545	EXP 150 of 150	117.42889 ± 0.03574	0.6942	EXP 150 of 150
14D27329	19.5 %	0.1020269 ± 0.0007303	0.1449	EXP 150 of 150	3.4300969 ± 0.0275636	0.4104	EXP 150 of 150	0.0547138 ± 0.0278482	0.0453	EXP 150 of 150	14.5458484 ± 0.0231543	0.9397	EXP 150 of 150	229.22758 ± 0.04950	0.9929	EXP 150 of 150
14D27330	21.0 %	0.0429383 ± 0.0005170	0.5664	EXP 150 of 150	0.7872862 ± 0.0293540	0.0243	EXP 149 of 150	0.2939309 ± 0.0267948	0.0199	EXP 150 of 150	3.6200306 ± 0.0267416	0.3203	EXP 150 of 150	63.13756 ± 0.02987	0.9806	EXP 150 of 150
14D27332	22.5 %	0.0456445 ± 0.0005961	0.3473	EXP 150 of 150	0.8629425 ± 0.0297705	0.0287	EXP 150 of 150	0.2211738 ± 0.0274684	0.0057	EXP 150 of 150	3.8176010 ± 0.0266621	0.4079	EXP 149 of 150	65.59593 ± 0.03518	0.9657	EXP 150 of 150
14D27333	24.5 %	0.0691198 ± 0.0006243	0.2590	EXP 150 of 150	1.5707500 ± 0.0276058	0.1148	EXP 150 of 150	0.1987850 ± 0.0273247	0.0065	EXP 150 of 150	6.1398423 ± 0.0260833	0.6551	EXP 150 of 150	104.67635 ± 0.03596	0.0006	EXP 150 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
14D27302	1.8 %	Kevin Konrad	14-OSU-02	0.00	0.00	20.60	French Polynesia\Rurutu (13-INT-08)	14D27301	01
14D27304	2.0 %	Kevin Konrad	14-OSU-02	0.00	0.00	20.60	French Polynesia\Rurutu (13-INT-08)	14D27301	01
14D27305	2.4 %	Kevin Konrad	14-OSU-02	0.00	0.00	20.60	French Polynesia\Rurutu (13-INT-08)	14D27301	01
14D27306	2.8 %	Kevin Konrad	14-OSU-02	0.00	0.00	20.60	French Polynesia\Rurutu (13-INT-08)	14D27301	01
14D27308	3.2 %	Kevin Konrad	14-OSU-02	0.00	0.00	20.60	French Polynesia\Rurutu (13-INT-08)	14D27301	01
14D27309	3.6 %	Kevin Konrad	14-OSU-02	0.00	0.00	20.60	French Polynesia\Rurutu (13-INT-08)	14D27301	01
14D27310	4.0 %	Kevin Konrad	14-OSU-02	0.00	0.00	20.60	French Polynesia\Rurutu (13-INT-08)	14D27301	01
14D27312	4.5 %	Kevin Konrad	14-OSU-02	0.00	0.00	20.60	French Polynesia\Rurutu (13-INT-08)	14D27301	01
14D27313	5.1 %	Kevin Konrad	14-OSU-02	0.00	0.00	20.60	French Polynesia\Rurutu (13-INT-08)	14D27301	01
14D27314	5.8 %	Kevin Konrad	14-OSU-02	0.00	0.00	20.60	French Polynesia\Rurutu (13-INT-08)	14D27301	01
14D27316	6.7 %	Kevin Konrad	14-OSU-02	0.00	0.00	20.60	French Polynesia\Rurutu (13-INT-08)	14D27301	01
14D27317	7.7 %	Kevin Konrad	14-OSU-02	0.00	0.00	20.60	French Polynesia\Rurutu (13-INT-08)	14D27301	01
14D27318	8.9 %	Kevin Konrad	14-OSU-02	0.00	0.00	20.60	French Polynesia\Rurutu (13-INT-08)	14D27301	01
14D27320	10.1 %	Kevin Konrad	14-OSU-02	0.00	0.00	20.60	French Polynesia\Rurutu (13-INT-08)	14D27301	01
14D27321	11.3 %	Kevin Konrad	14-OSU-02	0.00	0.00	20.60	French Polynesia\Rurutu (13-INT-08)	14D27301	01
14D27322	12.5 %	Kevin Konrad	14-OSU-02	0.00	0.00	20.60	French Polynesia\Rurutu (13-INT-08)	14D27301	01
14D27324	13.7 %	Kevin Konrad	14-OSU-02	0.00	0.00	20.60	French Polynesia\Rurutu (13-INT-08)	14D27301	01
14D27325	15.1 %	Kevin Konrad	14-OSU-02	0.00	0.00	20.60	French Polynesia\Rurutu (13-INT-08)	14D27301	01
14D27326	16.5 %	Kevin Konrad	14-OSU-02	0.00	0.00	20.60	French Polynesia\Rurutu (13-INT-08)	14D27301	01
14D27328	18.0 %	Kevin Konrad	14-OSU-02	0.00	0.00	20.60	French Polynesia\Rurutu (13-INT-08)	14D27301	01
14D27329	19.5 %	Kevin Konrad	14-OSU-02	0.00	0.00	20.60	French Polynesia\Rurutu (13-INT-08)	14D27301	01
14D27330	21.0 %	Kevin Konrad	14-OSU-02	0.00	0.00	20.60	French Polynesia\Rurutu (13-INT-08)	14D27301	01
14D27332	22.5 %	Kevin Konrad	14-OSU-02	0.00	0.00	20.60	French Polynesia\Rurutu (13-INT-08)	14D27301	01
14D27333	24.5 %	Kevin Konrad	14-OSU-02	0.00	0.00	20.60	French Polynesia\Rurutu (13-INT-08)	14D27301	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
14D27302	1.8 %	RR1310-D16-35	Plagioclase	Rurutu Hotspot	FCT-NM (2A15-14)	28.201	0.082	Kuiper et al. (2008)	8.81895	0.095	0.00178223	0.095	303.881	0.137	0.9930961	0.067	1	4.8E-14	12	OCT	2014	17	16	1
14D27304	2.0 %	RR1310-D16-35	Plagioclase	Rurutu Hotspot	FCT-NM (2A15-14)	28.201	0.082	Kuiper et al. (2008)	8.81895	0.095	0.00178223	0.095	303.881	0.137	0.9930961	0.067	1	4.8E-14	12	OCT	2014	17	41	1
14D27305	2.4 %	RR1310-D16-35	Plagioclase	Rurutu Hotspot	FCT-NM (2A15-14)	28.201	0.082	Kuiper et al. (2008)	8.81895	0.095	0.00178223	0.095	303.881	0.137	0.9930961	0.067	1	4.8E-14	12	OCT	2014	17	54	1
14D27306	2.8 %	RR1310-D16-35	Plagioclase	Rurutu Hotspot	FCT-NM (2A15-14)	28.201	0.082	Kuiper et al. (2008)	8.81895	0.095	0.00178223	0.095	303.881	0.137	0.9930961	0.067	1	4.8E-14	12	OCT	2014	18	6	1
14D27308	3.2 %	RR1310-D16-35	Plagioclase	Rurutu Hotspot	FCT-NM (2A15-14)	28.201	0.082	Kuiper et al. (2008)	8.81895	0.095	0.00178223	0.095	303.881	0.137	0.9930961	0.067	1	4.8E-14	12	OCT	2014	18	31	1
14D27309	3.6 %	RR1310-D16-35	Plagioclase	Rurutu Hotspot	FCT-NM (2A15-14)	28.201	0.082	Kuiper et al. (2008)	8.81895	0.095	0.00178223	0.095	303.881	0.137	0.9930961	0.067	1	4.8E-14	12	OCT	2014	18	43	1
14D27310	4.0 %	RR1310-D16-35	Plagioclase	Rurutu Hotspot	FCT-NM (2A15-14)	28.201	0.082	Kuiper et al. (2008)	8.81895	0.095	0.00178223	0.095	303.881	0.137	0.9930961	0.067	1	4.8E-14	12	OCT	2014	18	56	1
14D27312	4.5 %	RR1310-D16-35	Plagioclase	Rurutu Hotspot	FCT-NM (2A15-14)	28.201	0.082	Kuiper et al. (2008)	8.81895	0.095	0.00178223	0.095	303.881	0.137	0.9930961	0.067	1	4.8E-14	12	OCT	2014	19	21	1
14D27313	5.1 %	RR1310-D16-35	Plagioclase	Rurutu Hotspot	FCT-NM (2A15-14)	28.201	0.082	Kuiper et al. (2008)	8.81895	0.095	0.00178223	0.095	303.881	0.137	0.9930961	0.067	1	4.8E-14	12	OCT	2014	19	33	1
14D27314	5.8 %	RR1310-D16-35	Plagioclase	Rurutu Hotspot	FCT-NM (2A15-14)	28.201	0.082	Kuiper et al. (2008)	8.81895	0.095	0.00178223	0.095	303.881	0.137	0.9930961	0.067	1	4.8E-14	12	OCT	2014	19	45	1
14D27316	6.7 %	RR1310-D16-35	Plagioclase	Rurutu Hotspot	FCT-NM (2A15-14)	28.201	0.082	Kuiper et al. (2008)	8.81895	0.095	0.00178223	0.095	303.881	0.137	0.9930961	0.067	1	4.8E-14	12	OCT	2014	20	10	1
14D27317	7.7 %	RR1310-D16-35	Plagioclase	Rurutu Hotspot	FCT-NM (2A15-14)	28.201	0.082	Kuiper et al. (2008)	8.81895	0.095	0.00178223	0.095	303.881	0.137	0.9930961	0.067	1	4.8E-14	12	OCT	2014	20	23	1
14D27318	8.9 %	RR1310-D16-35	Plagioclase	Rurutu Hotspot	FCT-NM (2A15-14)	28.201	0.082	Kuiper et al. (2008)	8.81895	0.095	0.00178223	0.095	303.881	0.137	0.9930961	0.067	1	4.8E-14	12	OCT	2014	20	35	1
14D27320	10.1 %	RR1310-D16-35	Plagioclase	Rurutu Hotspot	FCT-NM (2A15-14)	28.201	0.082	Kuiper et al. (2008)	8.81895	0.095	0.00178223	0.095	303.881	0.137	0.9930961	0.067	1	4.8E-14	12	OCT	2014	21	0	1
14D27321	11.3 %	RR1310-D16-35	Plagioclase	Rurutu Hotspot	FCT-NM (2A15-14)	28.201	0.082	Kuiper et al. (2008)	8.81895	0.095	0.00178223	0.095	303.881	0.137	0.9930961	0.067	1	4.8E-14	12	OCT	2014	21	12	1
14D27322	12.5 %	RR1310-D16-35	Plagioclase	Rurutu Hotspot	FCT-NM (2A15-14)	28.201	0.082	Kuiper et al. (2008)	8.81895	0.095	0.00178223	0.095	303.881	0.137	0.9930961	0.067	1	4.8E-14	12	OCT	2014	21	25	1
14D27324	13.7 %	RR1310-D16-35	Plagioclase	Rurutu Hotspot	FCT-NM (2A15-14)	28.201	0.082	Kuiper et al. (2008)	8.81895	0.095	0.00178223	0.095	303.881	0.137	0.9930961	0.067	1	4.8E-14	12	OCT	2014	21	50	1
14D27325	15.1 %	RR1310-D16-35	Plagioclase	Rurutu Hotspot	FCT-NM (2A15-14)	28.201	0.082	Kuiper et al. (2008)	8.81895	0.095	0.00178223	0.095	303.881	0.137	0.9930961	0.067	1	4.8E-14	12	OCT	2014	22	2	1
14D27326	16.5 %	RR1310-D16-35	Plagioclase	Rurutu Hotspot	FCT-NM (2A15-14)	28.201	0.082	Kuiper et al. (2008)	8.81895	0.095	0.00178223	0.095	303.881	0.137	0.9930961	0.067	1	4.8E-14	12	OCT	2014	22	15	1
14D27328	18.0 %	RR1310-D16-35	Plagioclase	Rurutu Hotspot	FCT-NM (2A15-14)	28.201	0.082	Kuiper et al. (2008)	8.81895	0.095	0.00178223	0.095	303.881	0.137	0.9930961	0.067	1	4.8E-14	12	OCT	2014	22	39	1
14D27329	19.5 %	RR1310-D16-35	Plagioclase	Rurutu Hotspot	FCT-NM (2A15-14)	28.201	0.082	Kuiper et al. (2008)	8.81895	0.095	0.00178223	0.095	303.881	0.137	0.9930961	0.067	1	4.8E-14	12	OCT	2014	22	52	1
14D27330	21.0 %	RR1310-D16-35	Plagioclase	Rurutu Hotspot	FCT-NM (2A15-14)	28.201	0.082	Kuiper et al. (2008)	8.81895	0.095	0.00178223	0.095	303.881	0.137	0.9930961	0.067	1	4.8E-14	12	OCT	2014	23	4	1
14D27332	22.5 %	RR1310-D16-35	Plagioclase	Rurutu Hotspot	FCT-NM (2A15-14)	28.201	0.082	Kuiper et al. (2008)	8.81895	0.095	0.00178223	0.095	303.881	0.137	0.9930961	0.067	1	4.8E-14	12	OCT	2014	23	29	1
14D27333	24.5 %	RR1310-D16-35	Plagioclase	Rurutu Hotspot	FCT-NM (2A15-14)	28.201	0.082	Kuiper et al. (2008)	8.81895	0.095	0.00178223	0.095	303.881	0.137	0.9930961	0.067	1	4.8E-14	12	OCT	2014	23	42	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
14D27302	1.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D27304	2.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D27305	2.4 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D27306	2.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D27308	3.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D27309	3.6 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D27310	4.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D27312	4.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D27313	5.1 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D27314	5.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D27316	6.7 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D27317	7.7 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D27318	8.9 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D27320	10.1 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D27321	11.3 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D27322	12.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D27324	13.7 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D27325	15.1 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D27326	16.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D27328	18.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D27329	19.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D27330	21.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D27332	22.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D27333	24.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0

14D27301.AGE >>> RR1310-D16-35 >>> FRENCH POLYNESIA | RURUTU (13-INT-08) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
46.66 ± 0.49
TOTAL FUSION
47.89 ± 0.51
NORMAL ISOCHRON
46.98 ± 1.15
INVERSE ISOCHRON
46.99 ± 1.15

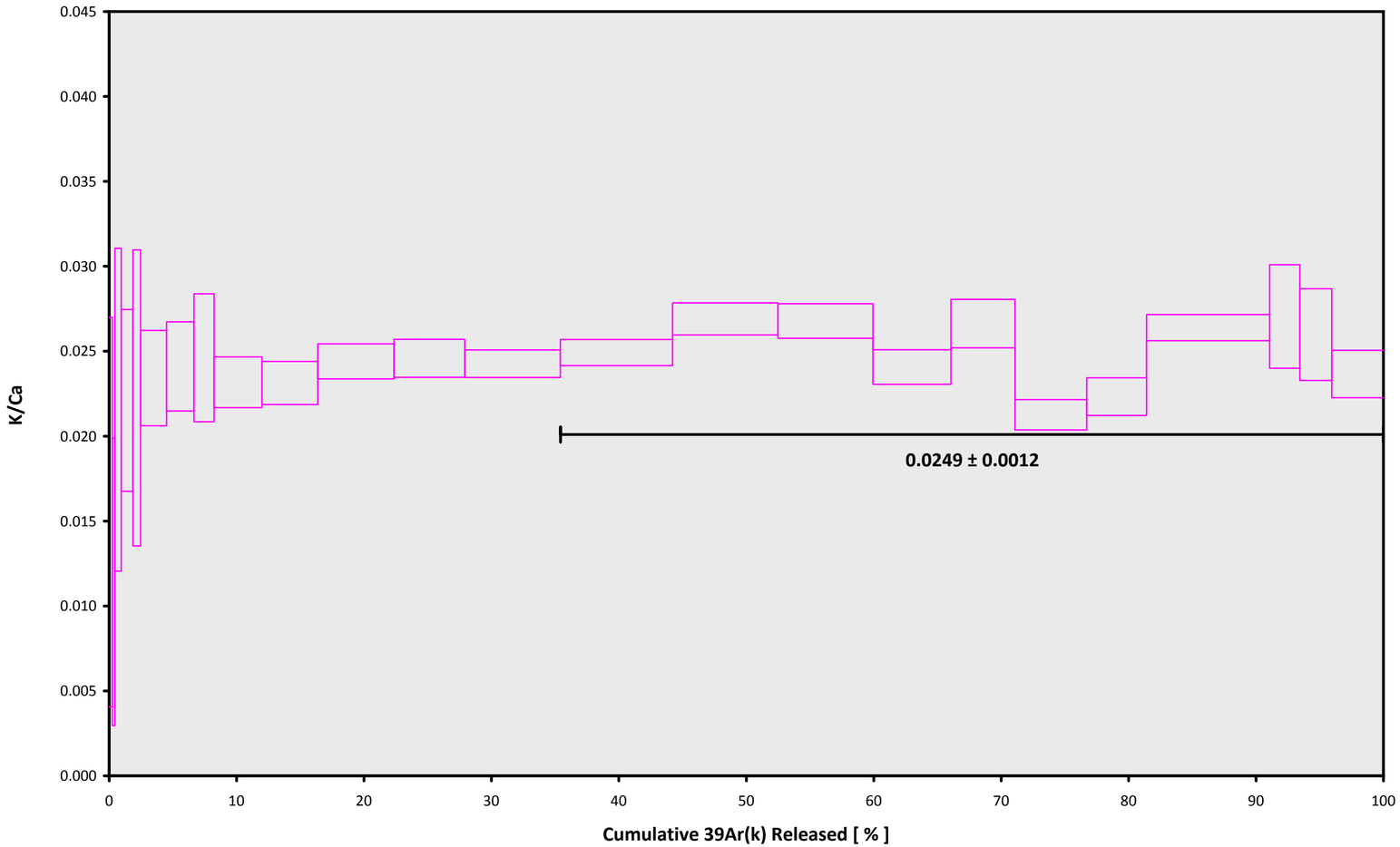
MSWD (PROBABILITY)
0.25 (99%)

Sample Info

Plagioclase
Rurutu Hotspot
Kevin Konrad

IRR = 14-OSU-02 (2A15-14)
J = 0.00178223 ± 0.00000169

14D27301.AGE >>> RR1310-D16-35 >>> FRENCH POLYNESIA | RURUTU (13-INT-08) PROJECT



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WEIGHTED PLATEAU
46.66 ± 0.49
TOTAL FUSION
47.89 ± 0.51
NORMAL ISOCHRON
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Sample Info

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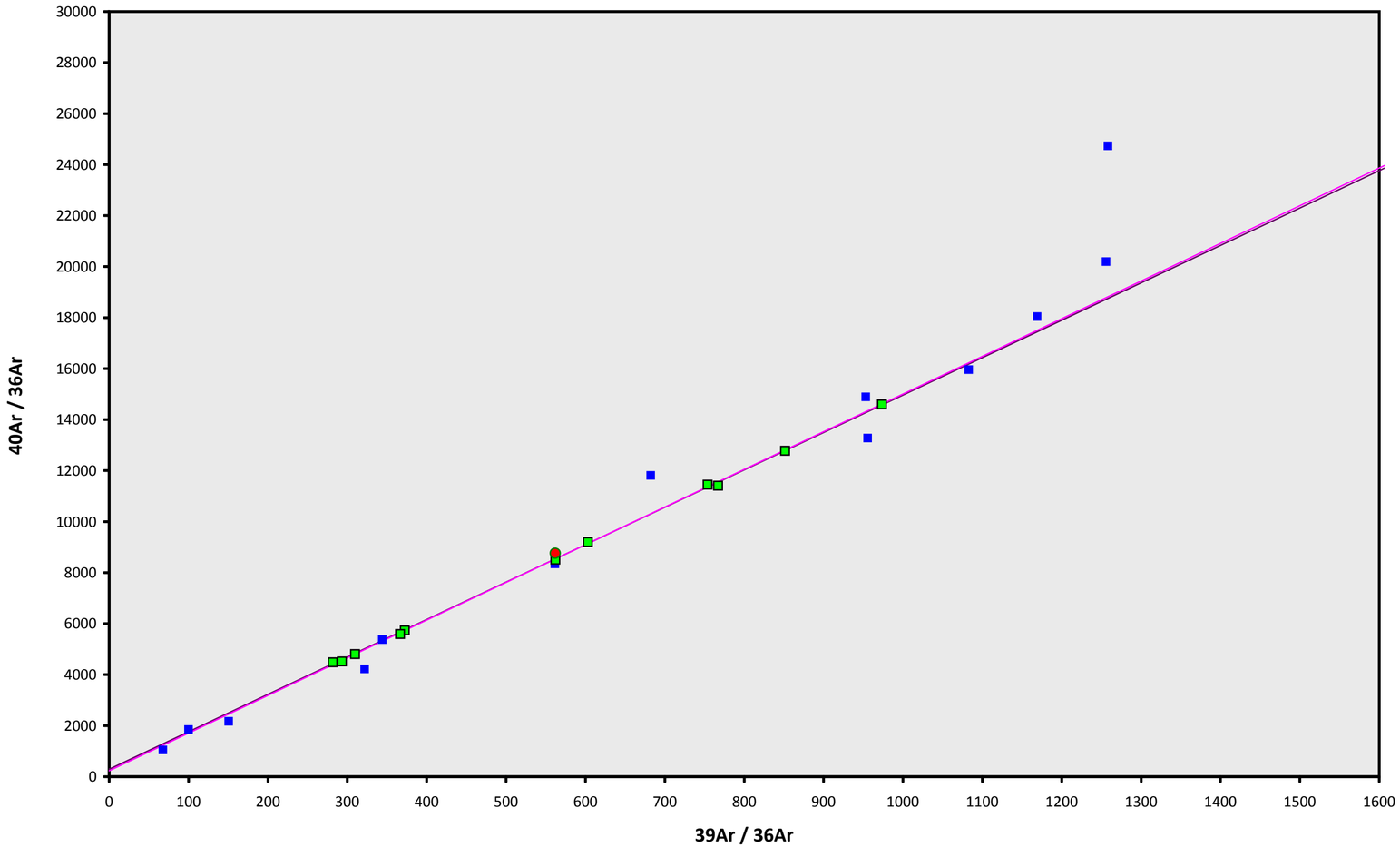


Ar-Ages in Ma

WEIGHTED PLATEAU
46.66 ± 0.49
TOTAL FUSION
47.89 ± 0.51
NORMAL ISOCHRON
46.98 ± 1.15
INVERSE ISOCHRON
46.99 ± 1.15

MSWD (PROBABILITY)
0.24 (99%)

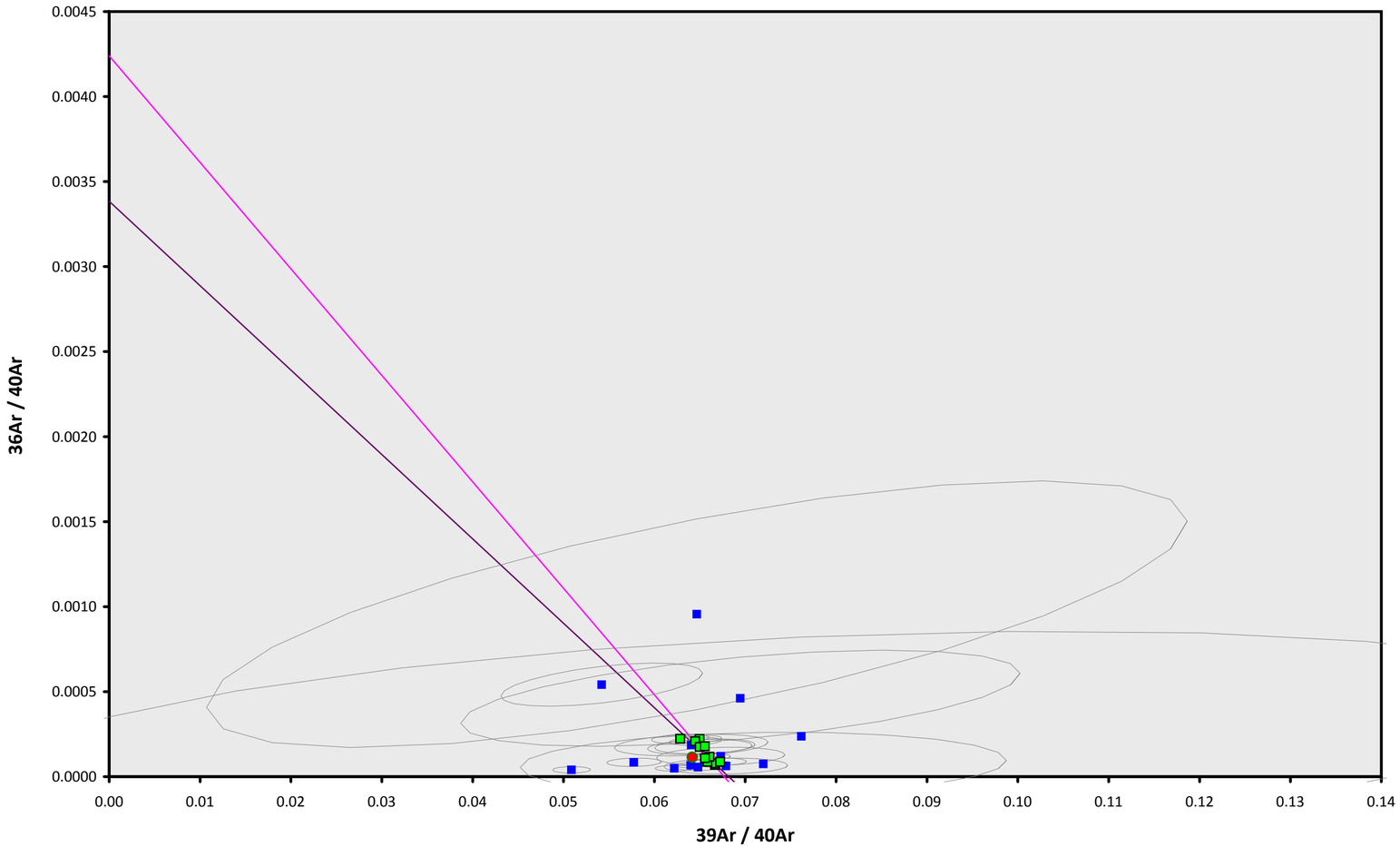
40AR/36AR INTERCEPT
235.8 ± 192.7

Sample Info

Plagioclase
Rurutu Hotspot
Kevin Konrad

IRR = 14-OSU-02 (2A15-14)
J = 0.00178223 ± 0.00000169

14D27301.AGE >>> RR1310-D16-35 >>> FRENCH POLYNESIA | RURUTU (13-INT-08) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
46.66 ± 0.49
TOTAL FUSION
47.89 ± 0.51
NORMAL ISOCHRON
46.98 ± 1.15
INVERSE ISOCHRON
46.99 ± 1.15

MSWD (PROBABILITY)
0.24 (99%)

SPREADING FACTOR
6.5%

40AR/36AR INTERCEPT
235.9 ± 166.3

Sample Info

Plagioclase
Rurutu Hotspot
Kevin Konrad

IRR = 14-OSU-02 (2A15-14)
J = 0.00178223 ± 0.00000169