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
14D25764	1.8 %	✓	0.0198622	8.796	52.2785	3.923	0.0162790	225.577	1.91347	1.900	31.2838	0.302	15.71822 ± 0.84424	49.72 ± 2.63	94.37	0.90	0.0154 ± 0.0014
14D25766	2.0 %	✓	0.0257667	6.587	63.4579	3.442	0.0488352	77.823	2.39670	1.485	39.2239	0.241	15.54733 ± 0.65655	49.19 ± 2.05	93.30	1.13	0.0159 ± 0.0012
14D25767	2.4 %	✓	0.0668362	2.683	132.6798	1.690	0.1115720	32.624	4.91663	0.729	85.2777	0.113	15.73516 ± 0.33167	49.78 ± 1.03	89.07	2.32	0.0156 ± 0.0006
14D25768	2.8 %	✓	0.0929668	1.928	273.9402	0.985	0.1348231	27.062	9.86762	0.401	159.3920	0.060	15.84708 ± 0.17672	50.13 ± 0.55	96.27	4.65	0.0152 ± 0.0003
14D25770	3.2 %	✓	0.0763496	2.391	235.0650	1.078	0.1147810	33.124	8.57648	0.424	138.7141	0.070	15.99234 ± 0.19594	50.58 ± 0.61	97.05	4.04	0.0154 ± 0.0004
14D25771	3.6 %	✓	0.0762649	2.345	230.8171	1.081	0.0971954	41.155	8.95258	0.438	144.2077	0.066	15.89257 ± 0.19254	50.27 ± 0.60	96.94	4.23	0.0164 ± 0.0004
14D25773	4.0 %	✓	0.0699567	2.584	220.3828	1.064	0.1400577	28.087	8.91644	0.390	143.0417	0.066	15.93147 ± 0.18221	50.39 ± 0.57	97.65	4.21	0.0171 ± 0.0004
14D25774	4.5 %	✓	0.0868259	2.121	274.1274	0.982	0.1720527	22.989	12.14878	0.302	198.1732	0.048	16.21943 ± 0.14069	51.29 ± 0.44	97.92	5.75	0.0188 ± 0.0004
14D25776	5.1 %	✓	0.0917827	2.019	287.4441	0.904	0.1484907	25.856	13.28519	0.286	211.8123	0.046	15.83226 ± 0.12943	50.08 ± 0.40	97.85	6.29	0.0196 ± 0.0004
14D25777	5.8 %	✓	0.1050986	1.781	330.6845	0.879	0.2212702	17.291	15.93888	0.246	256.0566	0.038	15.96914 ± 0.11127	50.51 ± 0.35	98.01	7.55	0.0204 ± 0.0004
14D25779	6.7 %	✓	0.1072909	1.772	317.9384	0.881	0.1615630	23.191	15.95266	0.244	259.9923	0.038	16.09157 ± 0.11161	50.89 ± 0.35	97.41	7.56	0.0213 ± 0.0004
14D25780	7.7 %	✓	0.1364308	1.404	403.1380	0.788	0.2589521	13.893	21.22126	0.183	342.0533	0.031	15.91403 ± 0.08453	50.34 ± 0.26	97.46	10.06	0.0223 ± 0.0004
14D25782	8.9 %	✓	0.1440351	1.313	371.5600	0.807	0.2212086	16.842	19.11079	0.197	313.3507	0.032	15.90448 ± 0.09139	50.31 ± 0.29	95.72	9.06	0.0218 ± 0.0004
14D25783	10.1 %	✓	0.1609946	1.239	339.5577	0.870	0.2098524	18.177	17.52213	0.225	297.8171	0.033	16.01237 ± 0.10448	50.64 ± 0.33	92.98	8.31	0.0219 ± 0.0004
14D25785	11.3 %	✓	0.1087893	1.711	250.0317	1.002	0.1749621	21.050	12.70704	0.302	213.0356	0.046	15.99250 ± 0.13643	50.58 ± 0.43	94.12	6.02	0.0216 ± 0.0005
14D25786	12.5 %	✓	0.0709796	2.540	124.1892	1.831	0.0570009	66.952	6.38788	0.583	112.0838	0.085	15.99909 ± 0.26182	50.60 ± 0.82	89.98	3.03	0.0218 ± 0.0008
14D25788	13.7 %	✓	0.0933770	1.955	182.4474	1.286	0.1217427	31.878	9.74839	0.391	169.7656	0.057	16.25879 ± 0.17625	51.41 ± 0.55	92.18	4.62	0.0227 ± 0.0006
14D25789	15.1 %	✓	0.0414074	4.194	97.2983	2.136	0.0986707	36.929	4.78903	0.741	80.7095	0.116	16.11485 ± 0.33516	50.96 ± 1.05	94.31	2.27	0.0209 ± 0.0009
14D25791	16.5 %		0.0335602	5.156	76.3636	2.796	0.0877033	42.054	3.37895	1.118	59.5000	0.158	16.70489 ± 0.50207	52.80 ± 1.56	93.42	1.60	0.0187 ± 0.0011
14D25792	18.0 %		0.0272432	6.347	53.4074	3.840	0.0256514	149.033	2.20994	1.612	39.4680	0.239	16.38198 ± 0.73436	51.79 ± 2.29	90.23	1.04	0.0175 ± 0.0015
14D25794	19.5 %		0.0463098	3.819	91.3697	2.395	0.0836169	46.168	4.22116	0.812	73.6491	0.130	16.14182 ± 0.37824	51.05 ± 1.18	91.16	2.00	0.0196 ± 0.0010
14D25795	21.0 %		0.0245761	7.000	50.7722	4.270	0.0436984	87.024	2.07910	1.718	36.9586	0.253	16.47358 ± 0.78438	52.08 ± 2.44	91.14	0.98	0.0173 ± 0.0016
14D25796	22.5 %		0.0187010	9.015	42.6943	5.063	0.0398310	95.238	1.81785	1.961	30.6142	0.308	15.89833 ± 0.87157	50.29 ± 2.72	92.91	0.86	0.0180 ± 0.0020
14D25798	24.5 %		0.0328339	5.238	83.2070	2.569	0.0841359	43.142	3.19548	1.141	52.3513	0.180	15.66870 ± 0.50267	49.57 ± 1.57	93.96	1.51	0.0162 ± 0.0009
		Σ	1.7582393	0.503	4584.8521	0.264	2.8739463	6.439	211.25443	0.086	3488.5322	0.014					

Information on Analysis and Constants Used in Calculations

Project = **RURUTU (13-INT-08)**
Sample = **RR1310-D13-01**
Material = **Plagioclase**
Location = **Rurutu Hotspot**
Region = **Tuvalu**
Analyst = **Kevin Konrad**
Irradiation = **14-OSU-02 (2A6-14)**
Position = **X: 0 | Y: 0 | Z/H: 8.4 mm**
FCT-NM Age = **28.201 ± 0.023 Ma**
FCT-NM Reference = **Kuiper et al. (2008)**
FCT-NM 40Ar/39Ar Ratio = **8.86144 ± 0.00842**
FCT-NM J-value = **0.00177368 ± 0.00000168**
Air Shot 40Ar/36Ar = **304.0570 ± 0.4074**
Air Shot MDF = **0.99295522 ± 0.00066235 (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 = **Crystallization Age**
IGSN = **IEKK1-RR1310-D13-01PL**
Rock Class = **Igneous>Volcanic**
Lithology = **Basalt**
Lat-Lon = **8°39.6'S - 177°54.1'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		15.97514 ± 0.05530	**50.53 ± 0.20**	2.63	92.01	0.0191 ± 0.0013
Error Mean		± 0.35%	**± 0.39%**	0%	18	
		Full External Error ± 1.15		1.69	2σ Confidence Limit	
		Analytical Error ± 0.17		1.6216	Error Magnification	
Total Fusion Age		15.99269 ± 0.03903	**50.58 ± 0.15**		24	0.0195 ± 0.0001
		± 0.24%	**± 0.31%**			
		Full External Error ± 1.14				
		Analytical Error ± 0.12				
Normal Isochron	**283.85 ± 44.66**	16.00147 ± 0.11117	**50.61 ± 0.36**	2.84	92.01	
Error Chron	**± 15.74%**	± 0.69%	**± 0.71%**	0%	18	
		Full External Error ± 1.19		1.71	2σ Confidence Limit	
		Analytical Error ± 0.35		1.6855	Error Magnification	
				99	Number of Iterations	
				0.0001598626	Convergence	
Inverse Isochron	**321.56 ± 44.78**	15.91883 ± 0.11399	**50.35 ± 0.37**	2.58	92.01	
Error Chron	**± 13.93%**	± 0.72%	**± 0.73%**	0%	18	
		Full External Error ± 1.19		1.71	2σ Confidence Limit	
		Analytical Error ± 0.36		1.6072	Error Magnification	
				4	Number of Iterations	
				0.0000409714	Convergence	
				9%	Spreading Factor	

Notes
A fairly decent plateau with an atmospheric intercept.

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
14D25764	1.8 %	✓	0.0059404	52.2785	0.0000000	1.87815	29.5212	49.72 ± 2.63	94.37	0.90	0.0154 ± 0.0014
14D25766	2.0 %	✓	0.0088633	63.4579	0.0143034	2.35383	36.5958	49.19 ± 2.05	93.30	1.13	0.0159 ± 0.0012
14D25767	2.4 %	✓	0.0314915	132.6798	0.0380863	4.82699	75.9535	49.78 ± 1.03	89.07	2.32	0.0156 ± 0.0006
14D25768	2.8 %	✓	0.0200166	273.9402	0.0000000	9.68255	153.4401	50.13 ± 0.55	96.27	4.65	0.0152 ± 0.0003
14D25770	3.2 %	✓	0.0137517	235.0650	0.0000000	8.41767	134.6183	50.58 ± 0.61	97.05	4.04	0.0154 ± 0.0004
14D25771	3.6 %	✓	0.0147983	230.8171	0.0000000	8.79664	139.8012	50.27 ± 0.60	96.94	4.23	0.0164 ± 0.0004
14D25773	4.0 %	✓	0.0112635	220.3828	0.0166467	8.76754	139.6799	50.39 ± 0.57	97.65	4.21	0.0171 ± 0.0004
14D25774	4.5 %	✓	0.0138239	274.1274	0.0058528	11.96358	194.0425	51.29 ± 0.44	97.92	5.75	0.0188 ± 0.0004
14D25776	5.1 %	✓	0.0152363	287.4441	0.0000000	13.09099	207.2599	50.08 ± 0.40	97.85	6.29	0.0196 ± 0.0004
14D25777	5.8 %	✓	0.0170356	330.6845	0.0052703	15.71547	250.9625	50.51 ± 0.35	98.01	7.55	0.0204 ± 0.0004
14D25779	6.7 %	✓	0.0226239	317.9384	0.0000000	15.73786	253.2468	50.89 ± 0.35	97.41	7.56	0.0213 ± 0.0004
14D25780	7.7 %	✓	0.0290752	403.1380	0.0000000	20.94890	333.3814	50.34 ± 0.26	97.46	10.06	0.0223 ± 0.0004
14D25782	8.9 %	✓	0.0450887	371.5600	0.0000000	18.85977	299.9549	50.31 ± 0.29	95.72	9.06	0.0218 ± 0.0004
14D25783	10.1 %	✓	0.0705704	339.5577	0.0000000	17.29273	276.8975	50.64 ± 0.33	92.98	8.31	0.0219 ± 0.0004
14D25785	11.3 %	✓	0.0422059	250.0317	0.0000000	12.53812	200.5159	50.58 ± 0.43	94.12	6.02	0.0216 ± 0.0005
14D25786	12.5 %	✓	0.0379080	124.1892	0.0000000	6.30398	100.8579	50.60 ± 0.82	89.98	3.03	0.0218 ± 0.0008
14D25788	13.7 %	✓	0.0447913	182.4474	0.0000000	9.62513	156.4930	51.41 ± 0.55	92.18	4.62	0.0227 ± 0.0006
14D25789	15.1 %	✓	0.0154866	97.2983	0.0319642	4.72330	76.1152	50.96 ± 1.05	94.31	2.27	0.0209 ± 0.0009
14D25791	16.5 %		0.0132119	76.3636	0.0397196	3.32736	55.5832	52.80 ± 1.56	93.42	1.60	0.0187 ± 0.0011
14D25792	18.0 %		0.0130208	53.4074	0.0000000	2.17386	35.6121	51.79 ± 2.29	90.23	1.04	0.0175 ± 0.0015
14D25794	19.5 %		0.0219707	91.3697	0.0229080	4.15943	67.1408	51.05 ± 1.18	91.16	2.00	0.0196 ± 0.0010
14D25795	21.0 %		0.0110512	50.7722	0.0133865	2.04480	33.6851	52.08 ± 2.44	91.14	0.98	0.0173 ± 0.0016
14D25796	22.5 %		0.0073271	42.6943	0.0138726	1.78901	28.4422	50.29 ± 2.72	92.91	0.86	0.0180 ± 0.0020
14D25798	24.5 %		0.0106637	83.2070	0.0384001	3.13926	49.1882	49.57 ± 1.57	93.96	1.51	0.0162 ± 0.0009
		Σ	0.5372165	4584.8521	0.2404105	208.15691	3328.9890				

Information on Analysis

Project = **RURUTU (13-INT-08)**
Sample = **RR1310-D13-01**
Material = **Plagioclase**
Location = **Rurutu Hotspot**
Region = **Tuvalu**
Analyst = **Kevin Konrad**
Irradiation = **14-OSU-02 (2A6-14)**
J = **0.00177368 ± 0.00000168**
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	15.97514	± 0.05530	**50.53**	**± 0.20**	2.63	92.01	0.0191 ± 0.0013
Error Mean		± 0.35%		**± 0.39%**	0%	18	
			Full External Error	± 1.15	1.69	2σ Confidence Limit	
			Analytical Error	± 0.17	1.6216	Error Magnification	
Total Fusion Age	15.99269	± 0.03903	**50.58**	**± 0.15**		24	0.0195 ± 0.0001
		± 0.24%		**± 0.31%**			
			Full External Error	± 1.14			
			Analytical Error	± 0.12			

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
14D25764	1.8 %	✓	316.17 ± 195.24	5265.05 ± 3245.07	0.9980
14D25766	2.0 %	✓	265.57 ± 107.83	4424.40 ± 1791.59	0.9971
14D25767	2.4 %	✓	153.28 ± 18.55	2707.38 ± 325.18	0.9922
14D25768	2.8 %	✓	483.73 ± 93.57	7961.15 ± 1538.56	0.9991
14D25770	3.2 %	✓	612.12 ± 173.51	10084.68 ± 2857.30	0.9995
14D25771	3.6 %	✓	594.43 ± 153.57	9742.60 ± 2515.53	0.9994
14D25773	4.0 %	✓	778.41 ± 264.68	12696.66 ± 4316.00	0.9997
14D25774	4.5 %	✓	865.43 ± 247.93	14332.24 ± 4105.01	0.9998
14D25776	5.1 %	✓	859.20 ± 223.50	13898.50 ± 3614.54	0.9997
14D25777	5.8 %	✓	922.51 ± 219.88	15027.12 ± 3580.99	0.9998
14D25779	6.7 %	✓	695.63 ± 125.87	11489.28 ± 2078.15	0.9996
14D25780	7.7 %	✓	720.51 ± 104.15	11761.69 ± 1699.64	0.9997
14D25782	8.9 %	✓	418.28 ± 38.23	6948.06 ± 634.48	0.9990
14D25783	10.1 %	✓	245.04 ± 14.96	4219.21 ± 256.90	0.9971
14D25785	11.3 %	✓	297.07 ± 27.94	5046.40 ± 473.57	0.9978
14D25786	12.5 %	✓	166.30 ± 16.81	2956.09 ± 296.72	0.9930
14D25788	13.7 %	✓	214.89 ± 18.60	3789.33 ± 326.71	0.9957
14D25789	15.1 %	✓	304.99 ± 71.95	5210.40 ± 1226.73	0.9979
14D25791	16.5 %		251.85 ± 69.69	4502.55 ± 1241.80	0.9966
14D25792	18.0 %		166.95 ± 46.83	3030.51 ± 844.29	0.9930
14D25794	19.5 %		189.32 ± 32.25	3351.42 ± 568.32	0.9952
14D25795	21.0 %		185.03 ± 61.12	3343.59 ± 1098.33	0.9943
14D25796	22.5 %		244.16 ± 119.14	4177.29 ± 2031.59	0.9966
14D25798	24.5 %		294.39 ± 100.28	4908.20 ± 1668.06	0.9976

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	**283.85 ± 44.66**	16.00147 ± 0.11117	**50.61 ± 0.36**	2.84
Error Chron	**± 15.74%**	± 0.69%	**± 0.71%**	0%
			Full External Error ± 1.19	
			Analytical Error ± 0.35	

Statistics				
	2σ Confidence Limit	1.71	Convergence	0.000159862593
	Error Magnification	1.6855	Number of Iterations	99
	Number of Data Points	18	Calculated Line	Weighted York-2

Inverse Isochron			39(k)/40(a+r) ± 2σ		36(a)/40(a+r) ± 2σ		r.i.
14D25764	1.8 %	✓	0.0600497	± 0.0023545	0.00018993	± 0.00011706	0.0015
14D25766	2.0 %	✓	0.0600239	± 0.0018404	0.00022602	± 0.00009152	0.0019
14D25767	2.4 %	✓	0.0566155	± 0.0008520	0.00036936	± 0.00004436	0.0028
14D25768	2.8 %	✓	0.0607608	± 0.0005038	0.00012561	± 0.00002428	0.0009
14D25770	3.2 %	✓	0.0606977	± 0.0005321	0.00009916	± 0.00002810	0.0008
14D25771	3.6 %	✓	0.0610140	± 0.0005506	0.00010264	± 0.00002650	0.0008
14D25773	4.0 %	✓	0.0613080	± 0.0004947	0.00007876	± 0.00002677	0.0006
14D25774	4.5 %	✓	0.0603833	± 0.0003764	0.00006977	± 0.00001998	0.0005
14D25776	5.1 %	✓	0.0618193	± 0.0003651	0.00007195	± 0.00001871	0.0006
14D25777	5.8 %	✓	0.0613894	± 0.0003111	0.00006655	± 0.00001586	0.0005
14D25779	6.7 %	✓	0.0605460	± 0.0003044	0.00008704	± 0.00001574	0.0006
14D25780	7.7 %	✓	0.0612589	± 0.0002319	0.00008502	± 0.00001229	0.0007
14D25782	8.9 %	✓	0.0602013	± 0.0002448	0.00014393	± 0.00001314	0.0011
14D25783	10.1 %	✓	0.0580778	± 0.0002692	0.00023701	± 0.00001443	0.0016
14D25785	11.3 %	✓	0.0588678	± 0.0003657	0.00019816	± 0.00001860	0.0015
14D25786	12.5 %	✓	0.0562555	± 0.0006724	0.00033828	± 0.00003396	0.0024
14D25788	13.7 %	✓	0.0567089	± 0.0004541	0.00026390	± 0.00002275	0.0019
14D25789	15.1 %	✓	0.0585352	± 0.0008907	0.00019192	± 0.00004519	0.0015
14D25791	16.5 %		0.0559340	± 0.0012836	0.00022210	± 0.00006125	0.0016
14D25792	18.0 %		0.0550905	± 0.0018259	0.00032998	± 0.00009193	0.0025
14D25794	19.5 %		0.0564886	± 0.0009434	0.00029838	± 0.00005060	0.0024
14D25795	21.0 %		0.0553384	± 0.0019550	0.00029908	± 0.00009824	0.0022
14D25796	22.5 %		0.0584502	± 0.0023591	0.00023939	± 0.00011643	0.0019
14D25798	24.5 %		0.0599791	± 0.0014111	0.00020374	± 0.00006924	0.0016

Results	40(a)/36(a) ± 2σ		40(r)/39(k) ± 2σ		Age ± 2σ (Ma)		MSWD
Inverse Isochron	**321.56**	**± 44.78**	15.91883	± 0.11399	**50.35**	**± 0.37**	2.58
Error Chron		**± 13.93%**		± 0.72%		**± 0.73%**	0%
					Full External Error	± 1.19	
					Analytical Error	± 0.36	

Statistics				
	2σ Confidence Limit	1.71	Convergence	0.0000409714
	Error Magnification	1.6072	Number of Iterations	4
	Number of Data Points	18	Calculated Line	Weighted York-2
	Spreading Factor	8.9%		

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]
14D25764	1.8 %	✓	0.0059404	30.82	0.0000000	0.00	0.0139218	3.93	0.0000000	0.00	52.2785	3.92	0.0011103	30.82	0.0000000	0.00	0.0225960	1.94	0.0037536	13.41	0.0000000	0.00	1.87815	1.94	0.0353193	4.14	29.5212	1.86	1.75539	30.82	0.0000000	0.00	0.0071802
14D25766	2.0 %	✓	0.0088633	20.25	0.0000000	0.00	0.0168988	3.44	0.0000046	265.78	63.4579	3.44	0.0016566	20.25	0.0000000	0.00	0.0283189	1.52	0.0045563	13.27	0.0143034	265.78	2.35383	1.51	0.0428722	3.69	36.5958	1.47	2.61911	20.25	0.0000000	0.00	0.0089987
14D25767	2.4 %	✓	0.0314915	6.00	0.0000000	0.00	0.0353326	1.70	0.0000121	95.65	132.6798	1.69	0.0058858	6.00	0.0000000	0.00	0.0580736	0.76	0.0095264	12.93	0.0380863	95.65	4.82699	0.74	0.0896385	2.14	75.9535	0.75	9.30573	6.00	0.0000000	0.00	0.0184536
14D25768	2.8 %	✓	0.0200166	9.66	0.0000000	0.00	0.0729503	1.00	0.0000000	0.00	273.9402	0.98	0.0037411	9.66	0.0000000	0.00	0.1164907	0.44	0.0196689	12.86	0.0000000	0.00	9.68255	0.41	0.1850740	1.65	153.4401	0.38	5.91490	9.66	0.0000000	0.00	0.0370164
14D25770	3.2 %	✓	0.0137517	14.17	0.0000000	0.00	0.0625978	1.09	0.0000000	0.00	235.0650	1.08	0.0025702	14.17	0.0000000	0.00	0.1012730	0.46	0.0168777	12.87	0.0000000	0.00	8.41767	0.43	0.1588099	1.70	134.6183	0.43	4.06364	14.17	0.0000000	0.00	0.0321807
14D25771	3.6 %	✓	0.0147983	12.91	0.0000000	0.00	0.0614666	1.09	0.0000000	0.00	230.8171	1.08	0.0027658	12.91	0.0000000	0.00	0.1058324	0.47	0.0165727	12.87	0.0000000	0.00	8.79664	0.45	0.1559400	1.71	139.8012	0.41	4.37290	12.91	0.0000000	0.00	0.0336296
14D25773	4.0 %	✓	0.0112635	17.00	0.0000000	0.00	0.0586879	1.07	0.0000053	236.67	220.3828	1.06	0.0021051	17.00	0.0000000	0.00	0.1054823	0.43	0.0158235	12.86	0.0166467	236.67	8.76754	0.40	0.1488906	1.70	139.6799	0.41	3.32835	17.00	0.0000000	0.00	0.0335183
14D25774	4.5 %	✓	0.0138239	14.32	0.0000000	0.00	0.0730001	0.99	0.0000019	677.31	274.1274	0.98	0.0025837	14.32	0.0000000	0.00	0.1439338	0.35	0.0196823	12.86	0.0058528	677.31	11.96358	0.31	0.1852005	1.65	194.0425	0.31	4.08496	14.32	0.0000000	0.00	0.0457368
14D25776	5.1 %	✓	0.0152363	13.00	0.0000000	0.00	0.0765464	0.92	0.0000000	0.00	287.4441	0.90	0.0028477	13.00	0.0000000	0.00	0.1574977	0.33	0.0206385	12.85	0.0000000	0.00	13.09099	0.29	0.1941972	1.60	207.2599	0.29	4.50234	13.00	0.0000000	0.00	0.0500469
14D25777	5.8 %	✓	0.0170356	11.92	0.0000000	0.00	0.0880613	0.89	0.0000017	728.42	330.6845	0.88	0.0031840	11.92	0.0000000	0.00	0.1890728	0.30	0.0237431	12.85	0.0052703	728.42	15.71547	0.25	0.2234104	1.59	250.9625	0.24	5.03403	11.92	0.0000000	0.00	0.0600802
14D25779	6.7 %	✓	0.0226239	9.04	0.0000000	0.00	0.0846670	0.89	0.0000000	0.00	317.9384	0.88	0.0042284	9.04	0.0000000	0.00	0.1893422	0.30	0.0228280	12.85	0.0000000	0.00	15.73786	0.25	0.2147992	1.59	253.2468	0.24	6.68536	9.04	0.0000000	0.00	0.0601658
14D25780	7.7 %	✓	0.0290752	7.23	0.0000000	0.00	0.1073557	0.80	0.0000000	0.00	403.1380	0.79	0.0054341	7.23	0.0000000	0.00	0.2520362	0.25	0.0289453	12.84	0.0000000	0.00	20.94890	0.19	0.2723601	1.54	333.3814	0.19	8.59171	7.23	0.0000000	0.00	0.0800876
14D25782	8.9 %	✓	0.0450887	4.57	0.0000000	0.00	0.0989464	0.82	0.0000000	0.00	371.5600	0.81	0.0084271	4.57	0.0000000	0.00	0.2269019	0.26	0.0266780	12.85	0.0000000	0.00	18.85977	0.20	0.2510260	1.55	299.9549	0.21	13.32370	4.57	0.0000000	0.00	0.0721009
14D25783	10.1 %	✓	0.0705704	3.04	0.0000000	0.00	0.0904242	0.88	0.0000000	0.00	339.5577	0.87	0.0131896	3.04	0.0000000	0.00	0.2080488	0.28	0.0243802	12.85	0.0000000	0.00	17.29273	0.23	0.2294052	1.58	276.8975	0.23	20.85355	3.04	0.0000000	0.00	0.0661101
14D25785	11.3 %	✓	0.0422059	4.69	0.0000000	0.00	0.0665834	1.01	0.0000000	0.00	250.0317	1.00	0.0078883	4.69	0.0000000	0.00	0.1508461	0.35	0.0179523	12.86	0.0000000	0.00	12.53812	0.31	0.1689214	1.66	200.5159	0.30	12.47184	4.69	0.0000000	0.00	0.0479332
14D25786	12.5 %	✓	0.0379080	5.02	0.0000000	0.00	0.0330716	1.84	0.0000000	0.00	124.1892	1.83	0.0070850	5.02	0.0000000	0.00	0.0758431	0.61	0.0089168	12.95	0.0000000	0.00	6.30398	0.59	0.0839022	2.26	100.8579	0.57	11.20183	5.02	0.0000000	0.00	0.0241001
14D25788	13.7 %	✓	0.0447913	4.31	0.0000000	0.00	0.0485857	1.30	0.0000000	0.00	182.4474	1.29	0.0083715	4.31	0.0000000	0.00	0.1158000	0.43	0.0130997	12.88	0.0000000	0.00	9.62513	0.40	0.1232615	1.84	156.4930	0.37	13.23583	4.31	0.0000000	0.00	0.0367969
14D25789	15.1 %	✓	0.0154866	11.77	0.0000000	0.00	0.0259105	2.14	0.0000102	114.06	97.2983	2.14	0.0028945	11.77	0.0000000	0.00	0.0568260	0.77	0.0069860	13.00	0.0319642	114.06	4.72330	0.75	0.0657347	2.51	76.1152	0.72	4.57630	11.77	0.0000000	0.00	0.0180572
14D25791	16.5 %		0.0132119	13.79	0.0000000	0.00	0.0203356	2.80	0.0000127	92.90	76.3636	2.80	0.0024693	13.79	0.0000000	0.00	0.0400315	1.15	0.0054829	13.12	0.0397196	92.90	3.32736	1.14	0.0515912	3.09	55.5832	0.98	3.90412	13.79	0.0000000	0.00	0.0127205
14D25792	18.0 %		0.0130208	13.93	0.0000000	0.00	0.0142224	3.84	0.0000000	0.00	53.4074	3.84	0.0024336	13.93	0.0000000	0.00	0.0261537	1.65	0.0038347	13.38	0.0000000	0.00	2.17386	1.64	0.0360821	4.06	35.6121	1.53	3.84765	13.93	0.0000000	0.00	0.0083107
14D25794	19.5 %		0.0219707	8.48	0.0000000	0.00	0.0243317	2.40	0.0000073	168.59	91.3697	2.39	0.0041063	8.48	0.0000000	0.00	0.0500422	0.84	0.0065603	13.04	0.0229080	168.59	4.15943	0.82	0.0617293	2.73	67.1408	0.83	6.49235	8.48	0.0000000	0.00	0.0159015
14D25795	21.0 %		0.0110512	16.42	0.0000000	0.00	0.0135206	4.27	0.0000043	284.15	50.7722	4.27	0.0020655	16.42	0.0000000	0.00	0.0246010	1.76	0.0036454	13.51	0.0133865	284.15	2.04480	1.75	0.0343017	4.47	33.6851	1.62	3.26563	16.42	0.0000000	0.00	0.0078173
14D25796	22.5 %		0.0073271	24.32	0.0000000	0.00	0.0113695	5.07	0.0000044	273.51	42.6943	5.06	0.0013694	24.32	0.0000000	0.00	0.0215235	2.00	0.0030654	13.78	0.0138726	273.51	1.78901	1.99	0.0288443	5.23	28.4422	1.88	2.16515	24.32	0.0000000	0.00	0.0068394
14D25798	24.5 %		0.0106637	16.99	0.0000000	0.00	0.0221580	2.57	0.0000123	94.57	83.2070	2.57	0.0019930	16.99	0.0000000	0.00	0.0377685	1.17	0.0059743	13.07	0.0384001	94.57	3.13926	1.16	0.0562147	2.89	49.1882	1.11	3.15111	16.99	0.0000000	0.00	0.0120014
		Σ	0.5372165	1.75	0.0000000	0.00	1.2209461	0.27	0.0000767	52.21	4584.8521	0.26	0.1004058	1.75	0.0000000	0.00	2.5043357	0.10	0.3291924	3.06	0.2404105	52.21	208.15691	0.09	3.0975261	0.41	3328.9890	0.08	158.74748	1.75	0.0000000	0.00	0.7957839
		Σ							1.7582393	0.57	4584.8521	0.26									3.1743444	3.97			211.25443	0.09							3488.5322

%1σ
3.29
3.06
2.76
2.69
2.69
2.70
2.69
2.68
2.68
2.67
2.67
2.67
2.67
2.67
2.68
2.72
2.69
2.76
2.89
3.12
2.78
3.18
3.32
2.90
0.66
0.11

Additional Parameters			40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
14D25764	1.8 %	✓	16.349229	0.314498	27.321283	1.190826	0.010380	0.000934	196.205	48.322940	1.00138626	1.502E-12
14D25766	2.0 %	✓	16.365770	0.246284	26.477191	0.992487	0.010751	0.000726	196.222	48.339514	1.00138639	1.883E-12
14D25767	2.4 %	✓	17.344737	0.128007	26.985914	0.496698	0.013594	0.000378	196.231	48.347471	1.00138644	4.093E-12
14D25768	2.8 %	✓	16.153037	0.065547	27.761526	0.295249	0.009421	0.000186	196.240	48.356093	1.00138651	7.651E-12
14D25770	3.2 %	✓	16.173779	0.069424	27.408106	0.317350	0.008902	0.000216	196.257	48.372678	1.00138663	6.658E-12
14D25771	3.6 %	✓	16.107954	0.071281	25.782184	0.300763	0.008519	0.000203	196.265	48.380641	1.00138669	6.922E-12
14D25773	4.0 %	✓	16.042479	0.063514	24.716471	0.280156	0.007846	0.000205	196.283	48.397234	1.00138681	6.866E-12
14D25774	4.5 %	✓	16.312186	0.049911	22.564193	0.231886	0.007147	0.000153	196.291	48.405201	1.00138687	9.512E-12
14D25776	5.1 %	✓	15.943492	0.046255	21.636429	0.205183	0.006909	0.000141	196.308	48.421803	1.00138699	1.017E-11
14D25777	5.8 %	✓	16.064910	0.039986	20.747039	0.189461	0.006594	0.000119	196.317	48.430438	1.00138706	1.229E-11
14D25779	6.7 %	✓	16.297744	0.040282	19.930118	0.182167	0.006726	0.000120	196.334	48.446384	1.00138718	1.248E-11
14D25780	7.7 %	✓	16.118424	0.029956	18.996896	0.153708	0.006429	0.000091	196.343	48.455024	1.00138724	1.642E-11
14D25782	8.9 %	✓	16.396530	0.032737	19.442418	0.161463	0.007537	0.000100	196.360	48.471642	1.00138736	1.504E-11
14D25783	10.1 %	✓	16.996626	0.038724	19.378791	0.174090	0.009188	0.000116	196.369	48.479621	1.00138742	1.430E-11
14D25785	11.3 %	✓	16.765162	0.051268	19.676623	0.205932	0.008561	0.000149	196.386	48.496249	1.00138754	1.023E-11
14D25786	12.5 %	✓	17.546332	0.103382	19.441384	0.373610	0.011112	0.000290	196.394	48.504232	1.00138760	5.380E-12
14D25788	13.7 %	✓	17.414732	0.068739	18.715642	0.251613	0.009579	0.000191	196.412	48.520868	1.00138773	8.149E-12
14D25789	15.1 %	✓	16.853002	0.126369	20.316906	0.459406	0.008646	0.000368	196.421	48.529521	1.00138779	3.874E-12
14D25791	16.5 %		17.609018	0.198849	22.599774	0.680579	0.009932	0.000524	196.438	48.546165	1.00138791	2.856E-12
14D25792	18.0 %		17.859335	0.290987	24.166938	1.006366	0.012328	0.000807	196.447	48.554156	1.00138797	1.894E-12
14D25794	19.5 %		17.447576	0.143439	21.645607	0.547329	0.010971	0.000428	196.464	48.570809	1.00138809	3.535E-12
14D25795	21.0 %		17.776248	0.308643	24.420277	1.123996	0.011821	0.000852	196.472	48.578805	1.00138815	1.774E-12
14D25796	22.5 %		16.840878	0.334293	23.486142	1.275203	0.010287	0.000949	196.481	48.587468	1.00138822	1.469E-12
14D25798	24.5 %		16.382923	0.189225	26.038983	0.731952	0.010275	0.000551	196.499	48.604132	1.00138834	2.513E-12

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
14D25764	1.8 %	0.0220196 ± 0.0015211	0.0238486 ± 0.0295233	0.0511814 ± 0.0263429	0.0262914 ± 0.0248281	5.7898371 ± 0.0883621
14D25766	2.0 %	0.0221031 ± 0.0015211	0.0111024 ± 0.0295233	0.0652258 ± 0.0263429	0.0200619 ± 0.0248281	5.9204725 ± 0.0883621
14D25767	2.4 %	0.0221052 ± 0.0015211	0.0076408 ± 0.0295233	0.0680321 ± 0.0263429	0.0200490 ± 0.0248281	5.9697204 ± 0.0883621
14D25768	2.8 %	0.0220840 ± 0.0015211	0.0055042 ± 0.0295233	0.0688351 ± 0.0263429	0.0215479 ± 0.0248281	6.0141555 ± 0.0883621
14D25770	3.2 %	0.0219863 ± 0.0015211	0.0052151 ± 0.0295233	0.0655207 ± 0.0263429	0.0271484 ± 0.0248281	6.0763037 ± 0.0883621
14D25771	3.6 %	0.0219183 ± 0.0015211	0.0064703 ± 0.0295233	0.0623676 ± 0.0263429	0.0304045 ± 0.0248281	6.0965454 ± 0.0883621
14D25773	4.0 %	0.0217465 ± 0.0015211	0.0110650 ± 0.0295233	0.0541345 ± 0.0263429	0.0368504 ± 0.0248281	6.1221389 ± 0.0883621
14D25774	4.5 %	0.0216547 ± 0.0015211	0.0139022 ± 0.0295233	0.0498972 ± 0.0263429	0.0393156 ± 0.0248281	6.1277715 ± 0.0883621
14D25776	5.1 %	0.0214572 ± 0.0015211	0.0203753 ± 0.0295233	0.0415908 ± 0.0263429	0.0422014 ± 0.0248281	6.1291225 ± 0.0883621
14D25777	5.8 %	0.0213567 ± 0.0015211	0.0237541 ± 0.0295233	0.0379270 ± 0.0263429	0.0422220 ± 0.0248281	6.1257927 ± 0.0883621
14D25779	6.7 %	0.0211870 ± 0.0015211	0.0294553 ± 0.0295233	0.0329548 ± 0.0263429	0.0392580 ± 0.0248281	6.1158057 ± 0.0883621
14D25780	7.7 %	0.0211088 ± 0.0015211	0.0320449 ± 0.0295233	0.0313989 ± 0.0263429	0.0360004 ± 0.0248281	6.1098207 ± 0.0883621
14D25782	8.9 %	0.0209977 ± 0.0015211	0.0356193 ± 0.0295233	0.0308156 ± 0.0263429	0.0267117 ± 0.0248281	6.1008983 ± 0.0883621
14D25783	10.1 %	0.0209671 ± 0.0015211	0.0365524 ± 0.0295233	0.0316307 ± 0.0263429	0.0210419 ± 0.0248281	6.0992425 ± 0.0883621
14D25785	11.3 %	0.0209620 ± 0.0015211	0.0366279 ± 0.0295233	0.0352908 ± 0.0263429	0.0075230 ± 0.0248281	6.1049662 ± 0.0883621
14D25786	12.5 %	0.0209918 ± 0.0015211	0.0357093 ± 0.0295233	0.0377782 ± 0.0263429	0.0006346 ± 0.0248281	6.1135344 ± 0.0883621
14D25788	13.7 %	0.0211314 ± 0.0015211	0.0317382 ± 0.0295233	0.0436886 ± 0.0263429	0.0131514 ± 0.0248281	6.1472864 ± 0.0883621
14D25789	15.1 %	0.0212497 ± 0.0015211	0.0285825 ± 0.0295233	0.0467055 ± 0.0263429	0.0192902 ± 0.0248281	6.1749714 ± 0.0883621
14D25791	16.5 %	0.0215757 ± 0.0015211	0.0205262 ± 0.0295233	0.0510688 ± 0.0263429	0.0270430 ± 0.0248281	6.2517178 ± 0.0883621
14D25792	18.0 %	0.0217818 ± 0.0015211	0.0158042 ± 0.0295233	0.0519044 ± 0.0263429	0.0279881 ± 0.0248281	6.3010469 ± 0.0883621
14D25794	19.5 %	0.0223235 ± 0.0015211	0.0044630 ± 0.0295233	0.0492678 ± 0.0263429	0.0215997 ± 0.0248281	6.4337629 ± 0.0883621
14D25795	21.0 %	0.0226409 ± 0.0015211	0.0015647 ± 0.0295233	0.0451453 ± 0.0263429	0.0134355 ± 0.0248281	6.5133444 ± 0.0883621
14D25796	22.5 %	0.0230290 ± 0.0015211	0.0083993 ± 0.0295233	0.0379673 ± 0.0263429	0.0000208 ± 0.0248281	6.6123112 ± 0.0883621
14D25798	24.5 %	0.0239118 ± 0.0015211	0.0220013 ± 0.0295233	0.0142222 ± 0.0263429	0.0421955 ± 0.0248281	6.8432504 ± 0.0883621

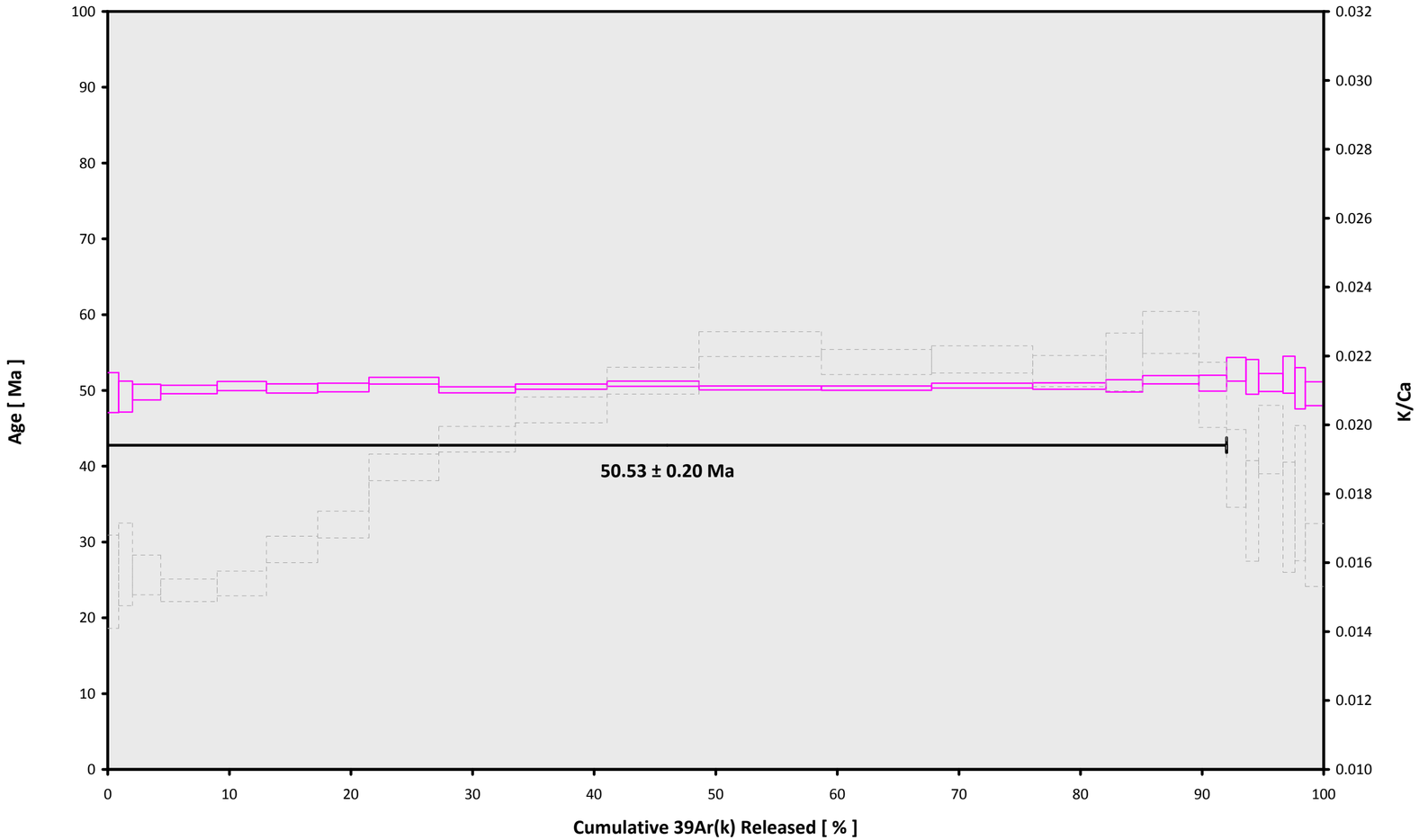
Intercept Values		36Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	37Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	38Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	39Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	40Ar ± 1σ (SE) [fA]	r2	Regression (type,n)
14D25764	1.8 %	0.0410399 ± 0.0006947	0.9270	EXP 150 of 150	1.0351765 ± 0.0285510	0.0883	EXP 149 of 150	0.0351317 ± 0.0248358	0.0276	EXP 150 of 150	1.8710946 ± 0.0260994	0.0148	EXP 150 of 150	37.152873 ± 0.034528	0.9998	EXP 150 of 150
14D25766	2.0 %	0.0467776 ± 0.0005689	0.9018	EXP 150 of 150	1.2739485 ± 0.0320430	0.0652	EXP 150 of 150	0.0170785 ± 0.0266461	0.0001	EXP 150 of 150	2.3564929 ± 0.0250451	0.0912	EXP 150 of 150	45.243728 ± 0.034518	0.9996	EXP 150 of 150
14D25767	2.4 %	0.0861084 ± 0.0007779	0.7625	EXP 150 of 150	2.6787420 ± 0.0306220	0.2531	EXP 149 of 150	0.0419681 ± 0.0243693	0.0022	EXP 150 of 150	4.8552540 ± 0.0252445	0.4378	EXP 149 of 150	91.463508 ± 0.038987	0.9993	EXP 150 of 150
14D25768	2.8 %	0.1111101 ± 0.0007575	0.7026	EXP 150 of 150	5.5400037 ± 0.0322363	0.4461	EXP 150 of 150	0.0640887 ± 0.0244944	0.0000	EXP 150 of 150	9.7631237 ± 0.0297103	0.7659	EXP 150 of 150	165.810072 ± 0.038829	0.9985	EXP 150 of 150
14D25770	3.2 %	0.0950995 ± 0.0008376	0.6883	EXP 150 of 150	4.7516927 ± 0.0310952	0.4577	EXP 150 of 150	0.0476434 ± 0.0266664	0.0075	EXP 150 of 150	8.4772353 ± 0.0254758	0.7735	EXP 150 of 150	145.141884 ± 0.039476	0.9981	EXP 150 of 150
14D25771	3.6 %	0.0949504 ± 0.0007621	0.6923	EXP 150 of 150	4.6637042 ± 0.0303017	0.4419	EXP 150 of 150	0.0334586 ± 0.0293483	0.0001	EXP 149 of 150	8.8469180 ± 0.0292792	0.7434	EXP 150 of 150	150.669716 ± 0.036913	0.9979	EXP 150 of 150
14D25773	4.0 %	0.0887378 ± 0.0008056	0.6446	EXP 150 of 150	4.4464620 ± 0.0261775	0.5355	EXP 150 of 150	0.0839501 ± 0.0284634	0.0154	EXP 150 of 150	8.8046300 ± 0.0232393	0.8308	EXP 150 of 150	149.526328 ± 0.034301	0.9976	EXP 150 of 150
14D25774	4.5 %	0.1048002 ± 0.0008640	0.5891	EXP 150 of 150	5.5297662 ± 0.0319571	0.5188	EXP 150 of 150	0.1197317 ± 0.0287524	0.0031	EXP 150 of 150	12.0073362 ± 0.0253860	0.8892	EXP 150 of 150	204.803097 ± 0.035844	0.9920	EXP 150 of 150
14D25776	5.1 %	0.1093494 ± 0.0008817	0.4475	EXP 150 of 150	5.7906025 ± 0.0266442	0.6478	EXP 150 of 150	0.1048081 ± 0.0271810	0.0000	EXP 150 of 150	13.1313067 ± 0.0270220	0.8919	EXP 150 of 150	218.478183 ± 0.042797	0.9679	EXP 150 of 150
14D25777	5.8 %	0.1220003 ± 0.0009074	0.5069	EXP 150 of 150	6.6601812 ± 0.0320120	0.5855	EXP 150 of 150	0.1802261 ± 0.0269968	0.0110	EXP 150 of 150	15.7626625 ± 0.0279980	0.9247	EXP 150 of 150	262.831256 ± 0.042731	0.0449	EXP 150 of 150
14D25779	6.7 %	0.1239300 ± 0.0009603	0.4011	EXP 149 of 150	6.3947349 ± 0.0298282	0.6185	EXP 150 of 150	0.1263323 ± 0.0258956	0.0001	EXP 149 of 150	15.7792913 ± 0.0276676	0.9248	EXP 150 of 150	266.766962 ± 0.043717	0.7895	EXP 150 of 150
14D25780	7.7 %	0.1517566 ± 0.0009626	0.3084	EXP 150 of 150	8.1122180 ± 0.0305422	0.6938	EXP 150 of 150	0.2239053 ± 0.0237504	0.0036	EXP 149 of 150	21.0068561 ± 0.0259826	0.9618	EXP 150 of 150	349.029835 ± 0.057006	0.9869	EXP 150 of 150
14D25782	8.9 %	0.1589274 ± 0.0009094	0.2540	EXP 150 of 150	7.4681260 ± 0.0287648	0.7078	EXP 150 of 150	0.1872768 ± 0.0255950	0.0042	EXP 150 of 150	18.9234194 ± 0.0248859	0.9573	EXP 149 of 150	320.245617 ± 0.047507	0.9870	EXP 150 of 150
14D25783	10.1 %	0.1751374 ± 0.0010764	0.1625	EXP 150 of 150	6.8197702 ± 0.0322839	0.6088	EXP 150 of 150	0.1752655 ± 0.0268379	0.0005	EXP 150 of 150	17.3537831 ± 0.0279876	0.9358	EXP 150 of 150	304.671037 ± 0.045541	0.9820	EXP 150 of 150
14D25785	11.3 %	0.1251399 ± 0.0008858	0.3005	EXP 150 of 150	5.0102612 ± 0.0282164	0.5022	EXP 150 of 150	0.1372066 ± 0.0249902	0.0039	EXP 150 of 150	12.5926915 ± 0.0276447	0.8885	EXP 150 of 150	219.680445 ± 0.043063	0.2629	EXP 150 of 150
14D25786	12.5 %	0.0889627 ± 0.0007948	0.5352	EXP 149 of 150	2.4706363 ± 0.0318651	0.1833	EXP 150 of 150	0.0184197 ± 0.0268651	0.0002	EXP 150 of 150	6.3335394 ± 0.0270094	0.5706	EXP 150 of 150	118.481374 ± 0.036731	0.9945	EXP 150 of 150
14D25788	13.7 %	0.1105503 ± 0.0008261	0.4535	EXP 149 of 150	3.6490939 ± 0.0299539	0.4324	EXP 149 of 150	0.0763391 ± 0.0277492	0.0014	EXP 150 of 150	9.6795870 ± 0.0277129	0.7885	EXP 150 of 150	176.343117 ± 0.038505	0.9649	EXP 150 of 150
14D25789	15.1 %	0.0609019 ± 0.0006631	0.7592	EXP 150 of 150	1.9340366 ± 0.0274214	0.0864	EXP 150 of 150	0.0505752 ± 0.0244262	0.0158	EXP 150 of 150	4.7680581 ± 0.0247199	0.5047	EXP 150 of 150	87.089034 ± 0.031982	0.9977	EXP 150 of 150
14D25791	16.5 %	0.0537134 ± 0.0006517	0.7831	EXP 150 of 150	1.5192874 ± 0.0299890	0.1350	EXP 150 of 150	0.0353991 ± 0.0250662	0.0115	EXP 150 of 150	3.3775879 ± 0.0279670	0.0803	EXP 150 of 150	65.902539 ± 0.032659	0.9981	EXP 150 of 150
14D25792	18.0 %	0.0478702 ± 0.0006506	0.8468	EXP 150 of 150	1.0609392 ± 0.0282345	0.0637	EXP 150 of 150	0.0266143 ± 0.0269561	0.0036	EXP 150 of 150	2.2193464 ± 0.0250741	0.0194	EXP 150 of 150	45.869087 ± 0.034161	0.9986	EXP 150 of 150
14D25794	19.5 %	0.0666703 ± 0.0007352	0.7751	EXP 150 of 150	1.8370019 ± 0.0308961	0.1656	EXP 150 of 150	0.0331711 ± 0.0274703	0.0000	EXP 150 of 150	4.2072735 ± 0.0230268	0.2872	EXP 150 of 150	80.269467 ± 0.037791	0.9974	EXP 150 of 150
14D25795	21.0 %	0.0461752 ± 0.0006297	0.8831	EXP 150 of 150	1.0246592 ± 0.0316300	0.0463	EXP 150 of 150	0.0020626 ± 0.0266785	0.0049	EXP 150 of 150	2.0750540 ± 0.0252127	0.0001	EXP 150 of 150	43.565574 ± 0.031757	0.9990	EXP 150 of 150
14D25796	22.5 %	0.0409373 ± 0.0005389	0.9113	EXP 150 of 150	0.8685654 ± 0.0316102	0.0169	EXP 150 of 150	0.0013026 ± 0.0265478	0.0001	EXP 149 of 150	1.8025454 ± 0.0251333	0.0006	EXP 150 of 150	37.304081 ± 0.033204	0.9990	EXP 150 of 150
14D25798	24.5 %	0.0553539 ± 0.0006256	0.8800	EXP 150 of 150	1.6978066 ± 0.0297279	0.2366	EXP 150 of 150	0.0687284 ± 0.0242222	0.0269	EXP 150 of 150	3.1264160 ± 0.0261888	0.1636	EXP 150 of 150	59.327189 ± 0.033988	0.9987	EXP 150 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
14D25764	1.8 %	Kevin Konrad	14-OSU-02	0.00	0.00	8.40	French Polynesia\Rurutu (13-INT-08)	14D25763	01
14D25766	2.0 %	Kevin Konrad	14-OSU-02	0.00	0.00	8.40	French Polynesia\Rurutu (13-INT-08)	14D25763	01
14D25767	2.4 %	Kevin Konrad	14-OSU-02	0.00	0.00	8.40	French Polynesia\Rurutu (13-INT-08)	14D25763	01
14D25768	2.8 %	Kevin Konrad	14-OSU-02	0.00	0.00	8.40	French Polynesia\Rurutu (13-INT-08)	14D25763	01
14D25770	3.2 %	Kevin Konrad	14-OSU-02	0.00	0.00	8.40	French Polynesia\Rurutu (13-INT-08)	14D25763	01
14D25771	3.6 %	Kevin Konrad	14-OSU-02	0.00	0.00	8.40	French Polynesia\Rurutu (13-INT-08)	14D25763	01
14D25773	4.0 %	Kevin Konrad	14-OSU-02	0.00	0.00	8.40	French Polynesia\Rurutu (13-INT-08)	14D25763	01
14D25774	4.5 %	Kevin Konrad	14-OSU-02	0.00	0.00	8.40	French Polynesia\Rurutu (13-INT-08)	14D25763	01
14D25776	5.1 %	Kevin Konrad	14-OSU-02	0.00	0.00	8.40	French Polynesia\Rurutu (13-INT-08)	14D25763	01
14D25777	5.8 %	Kevin Konrad	14-OSU-02	0.00	0.00	8.40	French Polynesia\Rurutu (13-INT-08)	14D25763	01
14D25779	6.7 %	Kevin Konrad	14-OSU-02	0.00	0.00	8.40	French Polynesia\Rurutu (13-INT-08)	14D25763	01
14D25780	7.7 %	Kevin Konrad	14-OSU-02	0.00	0.00	8.40	French Polynesia\Rurutu (13-INT-08)	14D25763	01
14D25782	8.9 %	Kevin Konrad	14-OSU-02	0.00	0.00	8.40	French Polynesia\Rurutu (13-INT-08)	14D25763	01
14D25783	10.1 %	Kevin Konrad	14-OSU-02	0.00	0.00	8.40	French Polynesia\Rurutu (13-INT-08)	14D25763	01
14D25785	11.3 %	Kevin Konrad	14-OSU-02	0.00	0.00	8.40	French Polynesia\Rurutu (13-INT-08)	14D25763	01
14D25786	12.5 %	Kevin Konrad	14-OSU-02	0.00	0.00	8.40	French Polynesia\Rurutu (13-INT-08)	14D25763	01
14D25788	13.7 %	Kevin Konrad	14-OSU-02	0.00	0.00	8.40	French Polynesia\Rurutu (13-INT-08)	14D25763	01
14D25789	15.1 %	Kevin Konrad	14-OSU-02	0.00	0.00	8.40	French Polynesia\Rurutu (13-INT-08)	14D25763	01
14D25791	16.5 %	Kevin Konrad	14-OSU-02	0.00	0.00	8.40	French Polynesia\Rurutu (13-INT-08)	14D25763	01
14D25792	18.0 %	Kevin Konrad	14-OSU-02	0.00	0.00	8.40	French Polynesia\Rurutu (13-INT-08)	14D25763	01
14D25794	19.5 %	Kevin Konrad	14-OSU-02	0.00	0.00	8.40	French Polynesia\Rurutu (13-INT-08)	14D25763	01
14D25795	21.0 %	Kevin Konrad	14-OSU-02	0.00	0.00	8.40	French Polynesia\Rurutu (13-INT-08)	14D25763	01
14D25796	22.5 %	Kevin Konrad	14-OSU-02	0.00	0.00	8.40	French Polynesia\Rurutu (13-INT-08)	14D25763	01
14D25798	24.5 %	Kevin Konrad	14-OSU-02	0.00	0.00	8.40	French Polynesia\Rurutu (13-INT-08)	14D25763	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
14D25764	1.8 %	RR1310-D13-01	Plagioclase	Rurutu Hotspot	FCT-NM (2A6-14)	28.201	0.082	Kuiper et al. (2008)	8.86144	0.095	0.00177368	0.095	304.057	0.134	0.9929552	0.067	1	4.8E-14	26	SEP	2014	20	4	1
14D25766	2.0 %	RR1310-D13-01	Plagioclase	Rurutu Hotspot	FCT-NM (2A6-14)	28.201	0.082	Kuiper et al. (2008)	8.86144	0.095	0.00177368	0.095	304.057	0.134	0.9929552	0.067	1	4.8E-14	26	SEP	2014	20	29	1
14D25767	2.4 %	RR1310-D13-01	Plagioclase	Rurutu Hotspot	FCT-NM (2A6-14)	28.201	0.082	Kuiper et al. (2008)	8.86144	0.095	0.00177368	0.095	304.057	0.134	0.9929552	0.067	1	4.8E-14	26	SEP	2014	20	41	1
14D25768	2.8 %	RR1310-D13-01	Plagioclase	Rurutu Hotspot	FCT-NM (2A6-14)	28.201	0.082	Kuiper et al. (2008)	8.86144	0.095	0.00177368	0.095	304.057	0.134	0.9929552	0.067	1	4.8E-14	26	SEP	2014	20	54	1
14D25770	3.2 %	RR1310-D13-01	Plagioclase	Rurutu Hotspot	FCT-NM (2A6-14)	28.201	0.082	Kuiper et al. (2008)	8.86144	0.095	0.00177368	0.095	304.057	0.134	0.9929552	0.067	1	4.8E-14	26	SEP	2014	21	19	1
14D25771	3.6 %	RR1310-D13-01	Plagioclase	Rurutu Hotspot	FCT-NM (2A6-14)	28.201	0.082	Kuiper et al. (2008)	8.86144	0.095	0.00177368	0.095	304.057	0.134	0.9929552	0.067	1	4.8E-14	26	SEP	2014	21	31	1
14D25773	4.0 %	RR1310-D13-01	Plagioclase	Rurutu Hotspot	FCT-NM (2A6-14)	28.201	0.082	Kuiper et al. (2008)	8.86144	0.095	0.00177368	0.095	304.057	0.134	0.9929552	0.067	1	4.8E-14	26	SEP	2014	21	56	1
14D25774	4.5 %	RR1310-D13-01	Plagioclase	Rurutu Hotspot	FCT-NM (2A6-14)	28.201	0.082	Kuiper et al. (2008)	8.86144	0.095	0.00177368	0.095	304.057	0.134	0.9929552	0.067	1	4.8E-14	26	SEP	2014	22	8	1
14D25776	5.1 %	RR1310-D13-01	Plagioclase	Rurutu Hotspot	FCT-NM (2A6-14)	28.201	0.082	Kuiper et al. (2008)	8.86144	0.095	0.00177368	0.095	304.057	0.134	0.9929552	0.067	1	4.8E-14	26	SEP	2014	22	33	1
14D25777	5.8 %	RR1310-D13-01	Plagioclase	Rurutu Hotspot	FCT-NM (2A6-14)	28.201	0.082	Kuiper et al. (2008)	8.86144	0.095	0.00177368	0.095	304.057	0.134	0.9929552	0.067	1	4.8E-14	26	SEP	2014	22	46	1
14D25779	6.7 %	RR1310-D13-01	Plagioclase	Rurutu Hotspot	FCT-NM (2A6-14)	28.201	0.082	Kuiper et al. (2008)	8.86144	0.095	0.00177368	0.095	304.057	0.134	0.9929552	0.067	1	4.8E-14	26	SEP	2014	23	10	1
14D25780	7.7 %	RR1310-D13-01	Plagioclase	Rurutu Hotspot	FCT-NM (2A6-14)	28.201	0.082	Kuiper et al. (2008)	8.86144	0.095	0.00177368	0.095	304.057	0.134	0.9929552	0.067	1	4.8E-14	26	SEP	2014	23	23	1
14D25782	8.9 %	RR1310-D13-01	Plagioclase	Rurutu Hotspot	FCT-NM (2A6-14)	28.201	0.082	Kuiper et al. (2008)	8.86144	0.095	0.00177368	0.095	304.057	0.134	0.9929552	0.067	1	4.8E-14	26	SEP	2014	23	48	1
14D25783	10.1 %	RR1310-D13-01	Plagioclase	Rurutu Hotspot	FCT-NM (2A6-14)	28.201	0.082	Kuiper et al. (2008)	8.86144	0.095	0.00177368	0.095	304.057	0.134	0.9929552	0.067	1	4.8E-14	27	SEP	2014	0	0	1
14D25785	11.3 %	RR1310-D13-01	Plagioclase	Rurutu Hotspot	FCT-NM (2A6-14)	28.201	0.082	Kuiper et al. (2008)	8.86144	0.095	0.00177368	0.095	304.057	0.134	0.9929552	0.067	1	4.8E-14	27	SEP	2014	0	25	1
14D25786	12.5 %	RR1310-D13-01	Plagioclase	Rurutu Hotspot	FCT-NM (2A6-14)	28.201	0.082	Kuiper et al. (2008)	8.86144	0.095	0.00177368	0.095	304.057	0.134	0.9929552	0.067	1	4.8E-14	27	SEP	2014	0	37	1
14D25788	13.7 %	RR1310-D13-01	Plagioclase	Rurutu Hotspot	FCT-NM (2A6-14)	28.201	0.082	Kuiper et al. (2008)	8.86144	0.095	0.00177368	0.095	304.057	0.134	0.9929552	0.067	1	4.8E-14	27	SEP	2014	1	2	1
14D25789	15.1 %	RR1310-D13-01	Plagioclase	Rurutu Hotspot	FCT-NM (2A6-14)	28.201	0.082	Kuiper et al. (2008)	8.86144	0.095	0.00177368	0.095	304.057	0.134	0.9929552	0.067	1	4.8E-14	27	SEP	2014	1	15	1
14D25791	16.5 %	RR1310-D13-01	Plagioclase	Rurutu Hotspot	FCT-NM (2A6-14)	28.201	0.082	Kuiper et al. (2008)	8.86144	0.095	0.00177368	0.095	304.057	0.134	0.9929552	0.067	1	4.8E-14	27	SEP	2014	1	40	1
14D25792	18.0 %	RR1310-D13-01	Plagioclase	Rurutu Hotspot	FCT-NM (2A6-14)	28.201	0.082	Kuiper et al. (2008)	8.86144	0.095	0.00177368	0.095	304.057	0.134	0.9929552	0.067	1	4.8E-14	27	SEP	2014	1	52	1
14D25794	19.5 %	RR1310-D13-01	Plagioclase	Rurutu Hotspot	FCT-NM (2A6-14)	28.201	0.082	Kuiper et al. (2008)	8.86144	0.095	0.00177368	0.095	304.057	0.134	0.9929552	0.067	1	4.8E-14	27	SEP	2014	2	17	1
14D25795	21.0 %	RR1310-D13-01	Plagioclase	Rurutu Hotspot	FCT-NM (2A6-14)	28.201	0.082	Kuiper et al. (2008)	8.86144	0.095	0.00177368	0.095	304.057	0.134	0.9929552	0.067	1	4.8E-14	27	SEP	2014	2	29	1
14D25796	22.5 %	RR1310-D13-01	Plagioclase	Rurutu Hotspot	FCT-NM (2A6-14)	28.201	0.082	Kuiper et al. (2008)	8.86144	0.095	0.00177368	0.095	304.057	0.134	0.9929552	0.067	1	4.8E-14	27	SEP	2014	2	42	1
14D25798	24.5 %	RR1310-D13-01	Plagioclase	Rurutu Hotspot	FCT-NM (2A6-14)	28.201	0.082	Kuiper et al. (2008)	8.86144	0.095	0.00177368	0.095	304.057	0.134	0.9929552	0.067	1	4.8E-14	27	SEP	2014	3	7	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
14D25764	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
14D25766	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
14D25767	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
14D25768	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
14D25770	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
14D25771	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
14D25773	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
14D25774	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
14D25776	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
14D25777	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
14D25779	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
14D25780	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
14D25782	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
14D25783	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
14D25785	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
14D25786	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
14D25788	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
14D25789	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
14D25791	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
14D25792	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
14D25794	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
14D25795	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
14D25796	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
14D25798	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

14D25763.AGE >>> RR1310-D13-01 >>> FRENCH POLYNESIA | RURUTU (13-INT-08) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
50.53 ± 0.20
TOTAL FUSION
50.58 ± 0.15
NORMAL ISOCHRON
50.61 ± 0.36
INVERSE ISOCHRON
50.35 ± 0.37

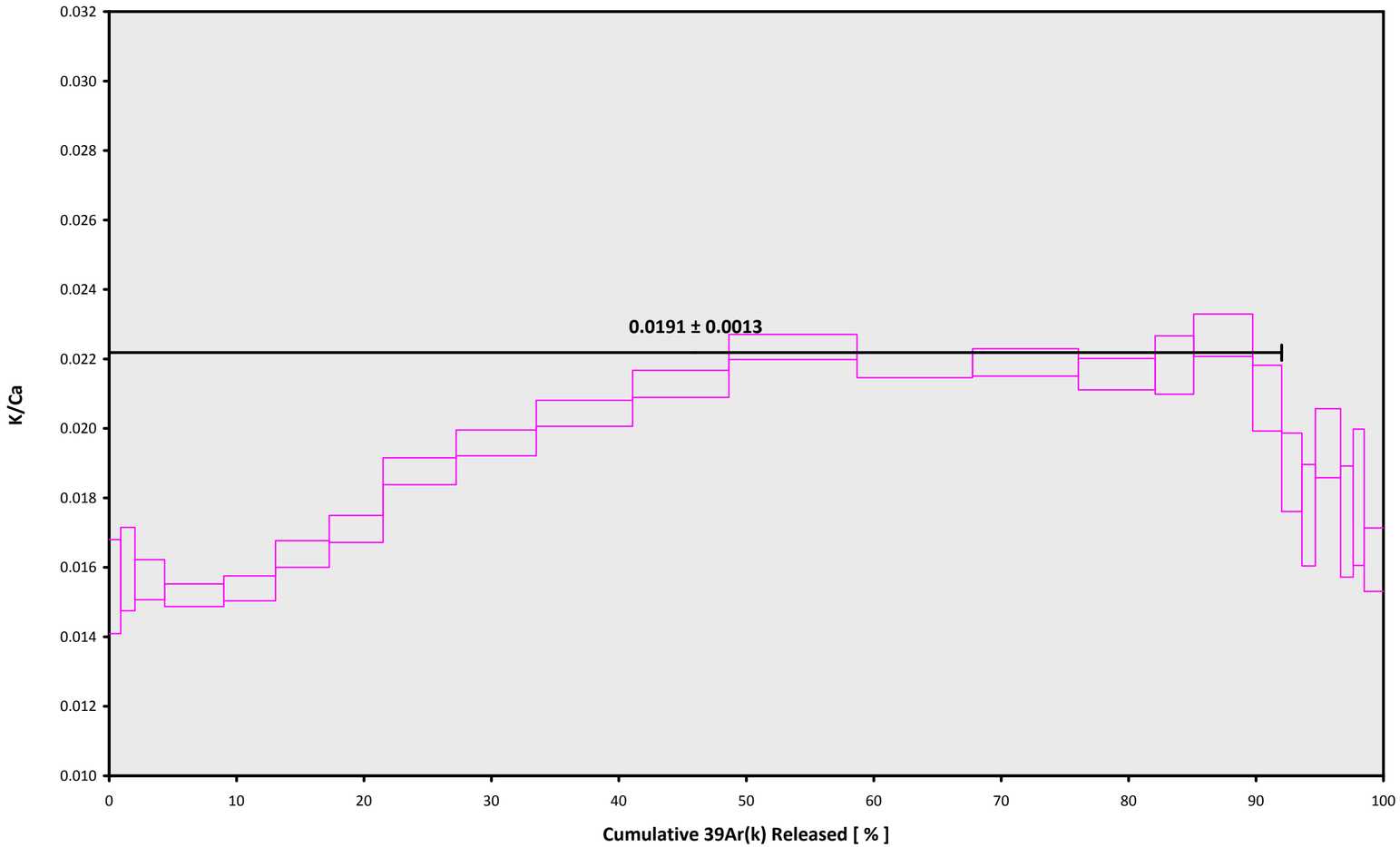
MSWD (PROBABILITY)
2.63 (0%)

Sample Info

Plagioclase
Rurutu Hotspot
Kevin Konrad

IRR = 14-OSU-02 (2A6-14)
J = 0.00177368 ± 0.00000168

14D25763.AGE >>> RR1310-D13-01 >>> FRENCH POLYNESIA | RURUTU (13-INT-08) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
50.53 ± 0.20
TOTAL FUSION
50.58 ± 0.15
NORMAL ISOCHRON
50.61 ± 0.36
INVERSE ISOCHRON
50.35 ± 0.37

Sample Info

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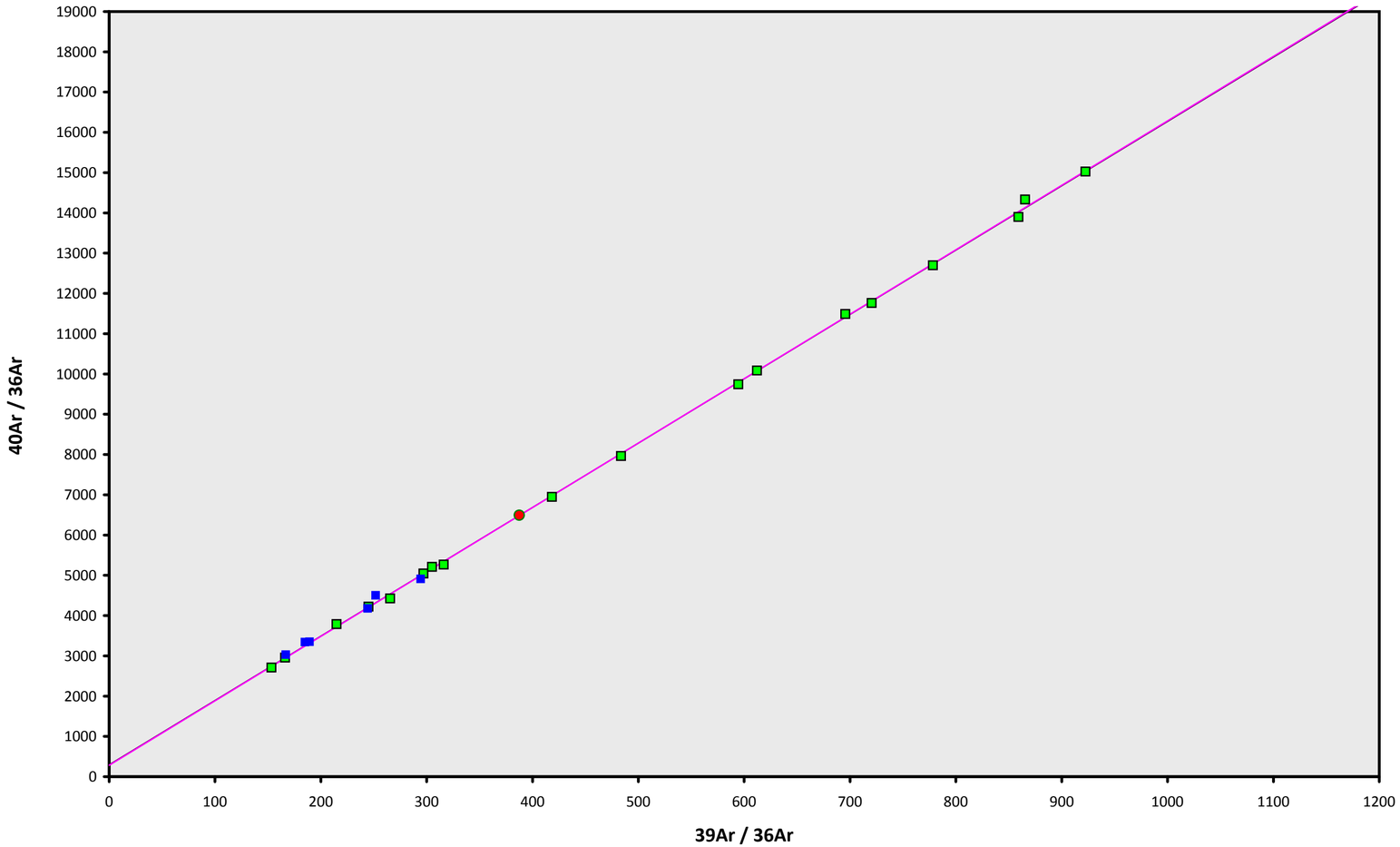
14D25763.AGE >>> RR1310-D13-01 >>> FRENCH POLYNESIA | RURUTU (13-INT-08) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
50.53 ± 0.20
TOTAL FUSION
50.58 ± 0.15
NORMAL ISOCHRON
50.61 ± 0.36
INVERSE ISOCHRON
50.35 ± 0.37

MSWD (PROBABILITY)
2.84 (0%)

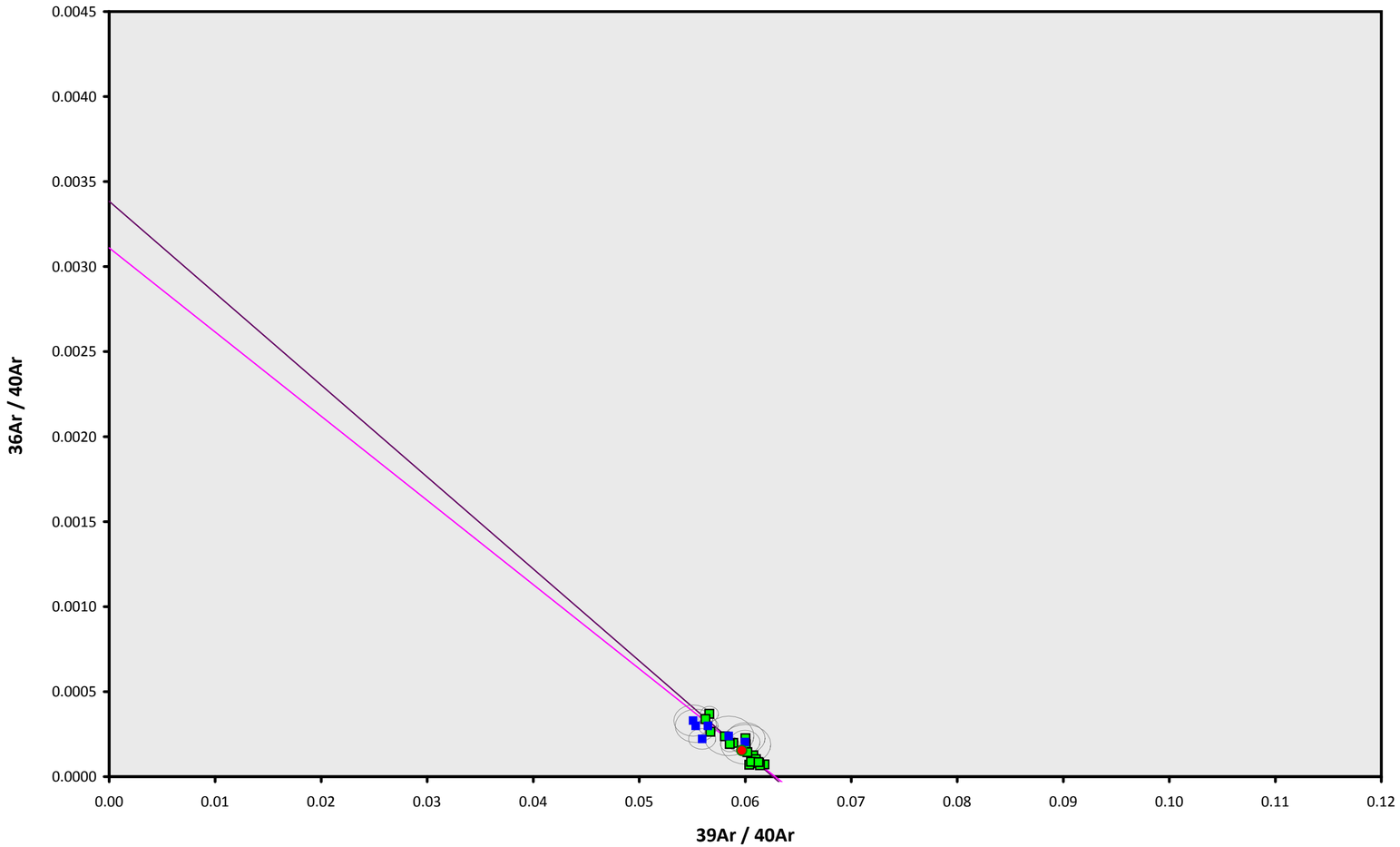
40AR/36AR INTERCEPT
283.8 ± 44.7

Sample Info

Plagioclase
Rurutu Hotspot
Kevin Konrad

IRR = 14-OSU-02 (2A6-14)
J = 0.00177368 ± 0.00000168

14D25763.AGE >>> RR1310-D13-01 >>> FRENCH POLYNESIA | RURUTU (13-INT-08) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
50.53 ± 0.20
TOTAL FUSION
50.58 ± 0.15
NORMAL ISOCHRON
50.61 ± 0.36
INVERSE ISOCHRON
50.35 ± 0.37

MSWD (PROBABILITY)
2.58 (0%)

SPREADING FACTOR
8.9%

40AR/36AR INTERCEPT
321.6 ± 44.8

Sample Info

Plagioclase
Rurutu Hotspot
Kevin Konrad

IRR = 14-OSU-02 (2A6-14)
J = 0.00177368 ± 0.00000168