

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
14D28187	1.8 %	✓	0.8531456	0.408	24.1264	14.453	0.686210	5.909	26.11288	0.231	723.285	0.045	14.24163 ± 3.34332	43.95 ± 10.19	51.38	2.81	0.465 ± 0.134
14D28189	1.9 %	✓	0.3512738	0.665	11.7272	25.821	0.320666	11.868	19.80197	0.292	450.685	0.071	15.46218 ± 1.81656	47.67 ± 5.53	67.91	2.13	0.726 ± 0.375
14D28190	2.0 %	✓	0.2287283	0.823	13.2456	23.819	0.276875	13.797	19.71377	0.293	402.817	0.080	15.69354 ± 1.18404	48.37 ± 3.60	76.77	2.12	0.640 ± 0.305
14D28192	2.1 %	✓	0.1588602	1.100	12.1598	25.584	0.309465	11.998	18.73980	0.308	361.612	0.089	15.85206 ± 0.86585	48.85 ± 2.63	82.11	2.02	0.662 ± 0.339
14D28193	2.2 %	✓	0.1307815	1.268	10.6128	31.547	0.223127	16.607	18.20664	0.320	339.966	0.094	15.75702 ± 0.73682	48.57 ± 2.24	84.35	1.96	0.737 ± 0.465
14D28194	2.3 %	✓	0.1041802	1.576	7.5438	42.024	0.212496	17.954	16.84606	0.333	307.724	0.104	15.74959 ± 0.64108	48.54 ± 1.95	86.19	1.82	0.960 ± 0.807
14D28196	2.4 %	✓	0.0961283	1.732	7.1735	46.252	0.241124	15.593	19.18076	0.305	343.962	0.093	15.89334 ± 0.52263	48.98 ± 1.59	88.61	2.07	1.149 ± 1.063
14D28197	2.5 %	✓	0.0693277	2.262	10.1237	33.445	0.242611	15.982	17.64853	0.324	308.532	0.104	15.91693 ± 0.41283	49.05 ± 1.26	91.01	1.90	0.749 ± 0.501
14D28198	2.6 %	✓	0.0819679	1.989	11.4030	28.810	0.305558	12.448	19.66311	0.297	344.601	0.093	15.86137 ± 0.43242	48.88 ± 1.31	90.47	2.12	0.741 ± 0.427
14D28200	2.7 %	✓	0.0723032	2.172	12.0490	28.059	0.240011	14.891	18.56085	0.305	320.608	0.100	15.73082 ± 0.40505	48.49 ± 1.23	91.03	2.00	0.662 ± 0.372
14D28201	2.8 %	✓	0.0575331	2.610	10.2017	31.886	0.207270	17.125	17.40164	0.322	296.051	0.108	15.70729 ± 0.35181	48.41 ± 1.07	92.29	1.88	0.733 ± 0.468
14D28202	2.9 %	✓	0.0421547	3.466	8.0753	40.528	0.176957	21.164	15.18030	0.371	254.808	0.125	15.69311 ± 0.31264	48.37 ± 0.95	93.46	1.64	0.808 ± 0.655
14D28204	3.0 %	✓	0.0458469	3.300	8.6214	39.029	0.157451	22.842	15.30080	0.368	256.856	0.125	15.60745 ± 0.33172	48.11 ± 1.01	92.94	1.65	0.763 ± 0.595
14D28205	3.2 %	✓	0.0523964	2.918	7.3532	41.543	0.200604	19.414	16.93278	0.330	284.998	0.113	15.59513 ± 0.33673	48.07 ± 1.02	92.63	1.83	0.990 ± 0.822
14D28206	3.4 %	✓	0.0441564	3.429	11.4158	28.655	0.250765	14.823	16.60492	0.335	276.722	0.116	15.64077 ± 0.29186	48.21 ± 0.89	93.81	1.79	0.625 ± 0.358
14D28208	3.6 %	✓	0.0733872	2.176	20.8143	16.211	0.253421	15.697	23.38827	0.252	396.116	0.081	15.73775 ± 0.31725	48.51 ± 0.96	92.87	2.52	0.483 ± 0.157
14D28209	3.9 %	✓	0.0757678	1.985	20.9995	16.165	0.304165	12.676	25.46253	0.234	427.968	0.075	15.66835 ± 0.29986	48.30 ± 0.91	93.17	2.74	0.521 ± 0.168
14D28210	4.2 %	✓	0.0681425	2.230	18.6449	17.591	0.273871	14.325	25.31345	0.229	419.979	0.076	15.55879 ± 0.27418	47.96 ± 0.83	93.73	2.73	0.584 ± 0.205
14D28212	4.5 %	✓	0.0418210	3.525	7.9819	41.324	0.204613	18.970	19.32651	0.298	318.805	0.101	15.64349 ± 0.24503	48.22 ± 0.75	94.81	2.08	1.041 ± 0.860
14D28213	4.8 %	✓	0.0351026	4.260	16.6334	19.892	0.225047	17.418	17.62234	0.329	288.425	0.111	15.65054 ± 0.22539	48.24 ± 0.69	95.56	1.90	0.455 ± 0.181
14D28214	5.1 %	✓	0.0388159	3.823	15.3296	21.475	0.215779	18.261	19.24368	0.300	315.971	0.102	15.67468 ± 0.22385	48.32 ± 0.68	95.41	2.07	0.539 ± 0.232
14D28216	5.4 %	✓	0.0422727	3.489	17.7603	19.251	0.250616	16.211	19.19048	0.299	316.923	0.101	15.70843 ± 0.23706	48.42 ± 0.72	95.06	2.07	0.464 ± 0.179
14D28217	5.8 %	✓	0.0517291	2.984	16.8977	20.325	0.278266	12.892	22.54958	0.256	372.263	0.086	15.64313 ± 0.24122	48.22 ± 0.73	94.71	2.43	0.574 ± 0.233
14D28218	6.2 %	✓	0.0769750	2.056	31.6456	10.748	0.424798	9.400	35.22546	0.173	581.824	0.056	15.71489 ± 0.21296	48.44 ± 0.65	95.09	3.80	0.478 ± 0.103
14D28220	6.8 %	✓	0.0954590	1.616	46.6927	7.370	0.582666	6.910	50.08327	0.136	817.904	0.040	15.64864 ± 0.17900	48.24 ± 0.54	95.76	5.40	0.461 ± 0.068
14D28221	7.4 %	✓	0.0639580	2.414	33.0060	9.949	0.406852	9.347	34.62198	0.174	560.041	0.057	15.52046 ± 0.17901	47.85 ± 0.54	95.89	3.73	0.451 ± 0.090
14D28222	8.3 %	✓	0.0751551	2.105	62.6874	4.970	0.575425	6.710	45.32320	0.144	722.360	0.045	15.41305 ± 0.14469	47.52 ± 0.44	96.62	4.88	0.311 ± 0.031
14D28224	9.3 %		0.0998843	1.617	104.7441	3.282	0.678444	5.518	52.89056	0.131	835.508	0.039	15.24843 ± 0.14934	47.02 ± 0.45	96.40	5.70	0.217 ± 0.014
14D28225	10.4 %		0.0923467	1.735	113.2914	2.889	0.480792	8.080	41.81077	0.148	655.269	0.049	15.07858 ± 0.16463	46.50 ± 0.50	96.04	4.50	0.158 ± 0.009
14D28226	11.7 %		0.0793961	1.990	109.7373	3.033	0.435678	8.581	34.92473	0.174	544.751	0.059	15.02948 ± 0.16416	46.35 ± 0.50	96.15	3.76	0.137 ± 0.008
14D28228	13.5 %		0.1043875	1.573	166.0297	2.127	0.514762	6.902	38.13932	0.165	588.229	0.055	14.80796 ± 0.17590	45.68 ± 0.54	95.73	4.10	0.098 ± 0.004
14D28229	15.5 %		0.1245544	1.341	206.5822	1.704	0.491892	7.525	37.59081	0.168	579.204	0.056	14.69082 ± 0.20279	45.32 ± 0.62	94.99	4.04	0.078 ± 0.003
14D28230	17.6 %		0.1082281	1.562	197.1154	1.775	0.422019	8.612	31.24772	0.196	485.766	0.066	14.86470 ± 0.20131	45.85 ± 0.61	95.21	3.36	0.068 ± 0.002
14D28232	19.8 %		0.1070053	1.483	222.3528	1.660	0.442781	8.509	36.17751	0.174	562.819	0.057	15.06741 ± 0.15370	46.47 ± 0.47	96.45	3.89	0.070 ± 0.002
14D28233	22.1 %		0.0751741	2.041	155.8642	2.100	0.339316	10.649	25.59913	0.231	393.331	0.082	14.87643 ± 0.16495	45.89 ± 0.50	96.42	2.75	0.070 ± 0.003
14D28234	24.5 %		0.0563467	2.748	114.1334	2.869	0.217982	17.354	16.95757	0.337	259.791	0.123	14.74786 ± 0.21014	45.49 ± 0.64	95.83	1.82	0.064 ± 0.004
Σ			3.9746929	0.255	1864.7759	1.071	12.070375	1.889	928.58368	0.038	15716.475	0.012					

Information on Analysis and Constants Used in Calculations

Project = **RURUTU (13-INT-08)**
 Sample = **RR1310-D24-11**
 Material = **Groundmass**
 Location = **Rurutu Hotspot**
 Region = **Tuvalu**
 Analyst = **Kevin Konrad**
 Irradiation = **14-OSU-02 (2A52-14)**
 Position = **X: 0 | Y: 0 | Z/H: 61.7 mm**
 FCT-NM Age = **28.201 ± 0.023 Ma**
 FCT-NM Reference = **Kuiper et al. (2008)**
 FCT-NM 40Ar/39Ar Ratio = **9.09815 ± 0.00837**
 FCT-NM J-value = **0.00172754 ± 0.00000159**
 Air Shot 40Ar/36Ar = **303.7710 ± 0.4557**
 Air Shot MDF = **0.99318427 ± 0.00068299 (LIN)**
 Experiment Type = **Incremental Heating**
 Extraction Method = **Bulk Laser Heating**
 Heating = **77 sec**
 Isolation = **10.00 min**
 Instrument = **ARGUS-VI-D**
 Preferred Age = **Plateau Age**
 Age Classification = **Eruption Age**
 IGSN = **IEKK1-RR1310-D24-11GM**
 Rock Class = **Igneous>Volcanic**
 Lithology = **Basalt**
 Lat-Lon = **10°22.0'S - 179°40.2'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) = **415.20 ± 51.48**
 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)	M _{SWD}	39Ar(k) (%n)	K/Ca ± 2σ
Age Plateau		15.62532 ± 0.05476 ± 0.35%	48.17 ± 0.19 ± 0.39% Full External Error ± 1.10 Analytical Error ± 0.17	0.72 85%	66.10 27	0.389 ± 0.042
Total Fusion Age		15.38718 ± 0.11444 ± 0.74%	47.44 ± 0.36 ± 0.76% Full External Error ± 1.12 Analytical Error ± 0.35		36	0.214 ± 0.005
Normal Isochron No Convergence	392.64 ± 15.07 ± 3.84%	15.61771 ± 0.09860 ± 0.63%	48.14 ± 0.31 ± 0.65% Full External Error ± 1.12 Analytical Error ± 0.30	16.40 0%	66.10 27	1.57 2σ Confidence Limit Error Magnification
Inverse Isochron Error Chron	386.06 ± 14.05 ± 3.64%	15.72217 ± 0.09046 ± 0.58%	48.46 ± 0.29 ± 0.60% Full External Error ± 1.12 Analytical Error ± 0.28	13.96 0%	66.10 27	1.57 2σ Confidence Limit Error Magnification
Notes	Excess Initial 40Ar/36Ar = 415.20 ± 12.40 (%SD). Like the other lava flow form this seamount this sample has a 'low temperature' excess Ar signature with an intercept of 415.2 +/- 12.4 (n=24). The resulting plateau is corrected with this new intercept val			0.0000356525 42%	3 Number of Iterations Convergence	Spreading Factor

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
14D28187	1.8 %	✓	0.8466452	24.1264	0.2122715	26.09658	371.658	43.95 ± 10.19	51.38	2.81	0.465 ± 0.134
14D28189	1.9 %	✓	0.3481449	11.7272	0.0166134	19.79405	306.059	47.67 ± 5.53	67.91	2.13	0.726 ± 0.375
14D28190	2.0 %	✓	0.2252010	13.2456	0.0000000	19.70482	309.238	48.37 ± 3.60	76.77	2.12	0.640 ± 0.305
14D28192	2.1 %	✓	0.1556027	12.1598	0.0541503	18.73159	296.934	48.85 ± 2.63	82.11	2.02	0.662 ± 0.339
14D28193	2.2 %	✓	0.1279553	10.6128	0.0000000	18.19947	286.769	48.57 ± 2.24	84.35	1.96	0.737 ± 0.465
14D28194	2.3 %	✓	0.1021713	7.5438	0.0000000	16.84096	265.238	48.54 ± 1.95	86.19	1.82	0.960 ± 0.807
14D28196	2.4 %	✓	0.0942180	7.1735	0.0000000	19.17592	304.769	48.98 ± 1.59	88.61	2.07	1.149 ± 1.063
14D28197	2.5 %	✓	0.0666256	10.1237	0.0171847	17.64169	280.801	49.05 ± 1.26	91.01	1.90	0.749 ± 0.501
14D28198	2.6 %	✓	0.0789122	11.4030	0.0535166	19.65541	311.762	48.88 ± 1.31	90.47	2.12	0.741 ± 0.427
14D28200	2.7 %	✓	0.0690934	12.0490	0.0030242	18.55271	291.849	48.49 ± 1.23	91.03	2.00	0.662 ± 0.372
14D28201	2.8 %	✓	0.0548164	10.2017	0.0000000	17.39475	273.224	48.41 ± 1.07	92.29	1.88	0.733 ± 0.468
14D28202	2.9 %	✓	0.0400042	8.0753	0.0000000	15.17484	238.140	48.37 ± 0.95	93.46	1.64	0.808 ± 0.655
14D28204	3.0 %	✓	0.0435510	8.6214	0.0000000	15.29498	238.716	48.11 ± 1.01	92.94	1.65	0.763 ± 0.595
14D28205	3.2 %	✓	0.0504382	7.3532	0.0000000	16.92781	263.992	48.07 ± 1.02	92.63	1.83	0.990 ± 0.822
14D28206	3.4 %	✓	0.0411012	11.4158	0.0425827	16.59720	259.593	48.21 ± 0.89	93.81	1.79	0.625 ± 0.358
14D28208	3.6 %	✓	0.0678443	20.8143	0.0000000	23.37421	367.857	48.51 ± 0.96	92.87	2.52	0.483 ± 0.157
14D28209	3.9 %	✓	0.0701756	20.9995	0.0000000	25.44834	398.734	48.30 ± 0.91	93.17	2.74	0.521 ± 0.168
14D28210	4.2 %	✓	0.0631773	18.6449	0.0000000	25.30086	393.651	47.96 ± 0.83	93.73	2.73	0.584 ± 0.205
14D28212	4.5 %	✓	0.0396955	7.9819	0.0000000	19.32111	302.250	48.22 ± 0.75	94.81	2.08	1.041 ± 0.860
14D28213	4.8 %	✓	0.0306709	16.6334	0.0062409	17.61110	275.623	48.24 ± 0.69	95.56	1.90	0.455 ± 0.181
14D28214	5.1 %	✓	0.0347336	15.3296	0.0000000	19.23332	301.476	48.32 ± 0.68	95.41	2.07	0.539 ± 0.232
14D28216	5.4 %	✓	0.0375390	17.7603	0.0115888	19.17848	301.264	48.42 ± 0.72	95.06	2.07	0.464 ± 0.179
14D28217	5.8 %	✓	0.0472293	16.8977	0.0000000	22.53816	352.567	48.22 ± 0.73	94.71	2.43	0.574 ± 0.233
14D28218	6.2 %	✓	0.0685478	31.6456	0.0000000	35.20408	553.228	48.44 ± 0.65	95.09	3.80	0.478 ± 0.103
14D28220	6.8 %	✓	0.0830247	46.6927	0.0000000	50.05172	783.241	48.24 ± 0.54	95.76	5.40	0.461 ± 0.068
14D28221	7.4 %	✓	0.0551686	33.0060	0.0000000	34.59968	537.003	47.85 ± 0.54	95.89	3.73	0.451 ± 0.090
14D28222	8.3 %	✓	0.0584560	62.6874	0.0152248	45.28085	697.916	47.52 ± 0.44	96.62	4.88	0.311 ± 0.031
14D28224	9.3 %		0.0719830	104.7441	0.0219945	52.81979	805.419	47.02 ± 0.45	96.40	5.70	0.217 ± 0.014
14D28225	10.4 %		0.0621772	113.2914	0.0000000	41.73423	629.293	46.50 ± 0.50	96.04	4.50	0.158 ± 0.009
14D28226	11.7 %		0.0501730	109.7373	0.0000000	34.85059	523.786	46.35 ± 0.50	96.15	3.76	0.137 ± 0.008
14D28228	13.5 %		0.0601616	166.0297	0.0340920	38.02715	563.105	45.68 ± 0.54	95.73	4.10	0.098 ± 0.004
14D28229	15.5 %		0.0695367	206.5822	0.0134868	37.45125	550.189	45.32 ± 0.62	94.99	4.04	0.078 ± 0.003
14D28230	17.6 %		0.0557280	197.1154	0.0231113	31.11455	462.509	45.85 ± 0.61	95.21	3.36	0.068 ± 0.002
14D28232	19.8 %		0.0477928	222.3528	0.0000000	36.02729	542.838	46.47 ± 0.47	96.45	3.89	0.070 ± 0.002
14D28233	22.1 %		0.0336621	155.8642	0.0151172	25.49383	379.257	45.89 ± 0.50	96.42	2.75	0.070 ± 0.003
14D28234	24.5 %		0.0259523	114.1334	0.0018475	16.88046	248.951	45.49 ± 0.64	95.83	1.82	0.064 ± 0.004
Σ			3.4779098	1864.7759	0.5420472	927.32384	14268.902				

Information on Analysis	Results	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (%n)	K/Ca ± 2σ
Project = RURUTU (13-INT-08) Sample = RR1310-D24-11 Material = Groundmass Location = Rurutu Hotspot Region = Tuvalu Analyst = Kevin Konrad Irradiation = 14-OSU-02 (2A52-14) J = 0.00172754 ± 0.00000159 FCT-NM = 28.201 ± 0.023 Ma	Age Plateau	15.62532 ± 0.05476 ± 0.35%	48.17 ± 0.19 ± 0.39%	0.72 85%	66.10 27	0.389 ± 0.042
			Full External Error ± 1.10 Analytical Error ± 0.17	1.55 1.0000	2σ Confidence Limit Error Magnification	
	Total Fusion Age	15.38718 ± 0.11444 ± 0.74%	47.44 ± 0.36 ± 0.76%		36	0.214 ± 0.005
			Full External Error ± 1.12 Analytical Error ± 0.35			

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
14D28187	1.8 %	✓	30.82 ± 0.30	854.18 ± 7.30	0.8734
14D28189	1.9 %	✓	56.86 ± 0.87	1294.31 ± 18.46	0.9202
14D28190	2.0 %	✓	87.50 ± 1.68	1788.37 ± 32.88	0.9489
14D28192	2.1 %	✓	120.38 ± 3.08	2323.49 ± 57.91	0.9682
14D28193	2.2 %	✓	142.23 ± 4.28	2656.37 ± 78.34	0.9752
14D28194	2.3 %	✓	164.83 ± 6.06	3011.22 ± 109.01	0.9818
14D28196	2.4 %	✓	203.53 ± 8.24	3649.93 ± 146.22	0.9875
14D28197	2.5 %	✓	264.79 ± 14.48	4629.82 ± 251.61	0.9922
14D28198	2.6 %	✓	249.08 ± 11.78	4365.94 ± 204.93	0.9913
14D28200	2.7 %	✓	268.52 ± 14.17	4639.18 ± 243.29	0.9925
14D28201	2.8 %	✓	317.33 ± 20.17	5399.55 ± 341.69	0.9943
14D28202	2.9 %	✓	379.33 ± 32.39	6368.08 ± 541.87	0.9958
14D28204	3.0 %	✓	351.20 ± 28.48	5896.48 ± 476.34	0.9954
14D28205	3.2 %	✓	335.61 ± 23.16	5649.16 ± 388.19	0.9949
14D28206	3.4 %	✓	403.81 ± 34.44	6731.16 ± 572.44	0.9965
14D28208	3.6 %	✓	344.53 ± 18.69	5837.28 ± 315.41	0.9952
14D28209	3.9 %	✓	362.64 ± 18.21	6097.14 ± 305.06	0.9952
14D28210	4.2 %	✓	400.47 ± 22.30	6646.09 ± 368.92	0.9962
14D28212	4.5 %	✓	486.73 ± 42.19	8029.41 ± 694.45	0.9973
14D28213	4.8 %	✓	574.20 ± 65.10	9401.68 ± 1064.35	0.9981
14D28214	5.1 %	✓	553.74 ± 55.06	9094.87 ± 902.88	0.9980
14D28216	5.4 %	✓	510.90 ± 47.28	8440.56 ± 779.64	0.9977
14D28217	5.8 %	✓	477.21 ± 36.34	7880.22 ± 598.91	0.9975
14D28218	6.2 %	✓	513.57 ± 27.38	8485.90 ± 451.51	0.9977
14D28220	6.8 %	✓	602.85 ± 26.11	9849.03 ± 425.81	0.9979
14D28221	7.4 %	✓	627.16 ± 40.41	10149.06 ± 653.06	0.9984
14D28222	8.3 %	✓	774.61 ± 47.40	12354.37 ± 755.15	0.9988
14D28224	9.3 %		733.78 ± 37.92	11604.21 ± 598.91	0.9986
14D28225	10.4 %		671.21 ± 39.43	10536.16 ± 618.29	0.9986
14D28226	11.7 %		694.61 ± 50.24	10854.80 ± 784.26	0.9987
14D28228	13.5 %		632.08 ± 39.83	9775.07 ± 615.25	0.9985
14D28229	15.5 %		538.58 ± 29.75	8327.41 ± 459.27	0.9979
14D28230	17.6 %		558.33 ± 38.77	8714.59 ± 604.24	0.9982
14D28232	19.8 %		753.82 ± 59.01	11773.36 ± 920.87	0.9989
14D28233	22.1 %		757.35 ± 79.53	11681.80 ± 1225.64	0.9989
14D28234	24.5 %		650.44 ± 89.23	10007.83 ± 1371.43	0.9986

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron No Convergence	392.64 ± 15.07 ± 3.84%	15.61771 ± 0.09860 ± 0.63%	48.14 ± 0.31 ± 0.65% Full External Error ± 1.12 Analytical Error ± 0.30	16.40 0%
Statistics	2σ Confidence Limit Error Magnification Number of Data Points	1.57 4.0501 27	Convergence Number of Iterations Calculated Line	0.000550294333 100 Weighted York-2

Inverse Isochron			39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
14D28187	1.8 %	✓	0.0360856 ± 0.0001702	0.00117072 ± 0.00001001	0.0199
14D28189	1.9 %	✓	0.0439273 ± 0.0002640	0.00077261 ± 0.00001102	0.0238
14D28190	2.0 %	✓	0.0489267 ± 0.0002970	0.00055917 ± 0.00001028	0.0228
14D28192	2.1 %	✓	0.0518105 ± 0.0003320	0.00043039 ± 0.00001073	0.0197
14D28193	2.2 %	✓	0.0535442 ± 0.0003573	0.00037645 ± 0.00001110	0.0181
14D28194	2.3 %	✓	0.0547389 ± 0.0003820	0.00033209 ± 0.00001202	0.0172
14D28196	2.4 %	✓	0.0557620 ± 0.0003557	0.00027398 ± 0.00001098	0.0136
14D28197	2.5 %	✓	0.0571920 ± 0.0003891	0.00021599 ± 0.00001174	0.0117
14D28198	2.6 %	✓	0.0570506 ± 0.0003558	0.00022905 ± 0.00001075	0.0119
14D28200	2.7 %	✓	0.0578801 ± 0.0003723	0.00021556 ± 0.00001130	0.0119
14D28201	2.8 %	✓	0.0587692 ± 0.0004000	0.00018520 ± 0.00001172	0.0109
14D28202	2.9 %	✓	0.0595676 ± 0.0004674	0.00015703 ± 0.00001336	0.0094
14D28204	3.0 %	✓	0.0595604 ± 0.0004631	0.00016959 ± 0.00001370	0.0099
14D28205	3.2 %	✓	0.0594097 ± 0.0004144	0.00017702 ± 0.00001216	0.0106
14D28206	3.4 %	✓	0.0599917 ± 0.0004261	0.00014856 ± 0.00001263	0.0089
14D28208	3.6 %	✓	0.0590218 ± 0.0003134	0.00017131 ± 0.00000926	0.0092
14D28209	3.9 %	✓	0.0594767 ± 0.0002923	0.00016401 ± 0.00000821	0.0092
14D28210	4.2 %	✓	0.0602571 ± 0.0002917	0.00015046 ± 0.00000835	0.0087
14D28212	4.5 %	✓	0.0606188 ± 0.0003823	0.00012454 ± 0.00001077	0.0074
14D28213	4.8 %	✓	0.0610738 ± 0.0004244	0.00010636 ± 0.00001204	0.0063
14D28214	5.1 %	✓	0.0608847 ± 0.0003863	0.00010995 ± 0.00001092	0.0066
14D28216	5.4 %	✓	0.0605286 ± 0.0003821	0.00011848 ± 0.00001094	0.0070
14D28217	5.8 %	✓	0.0605576 ± 0.0003278	0.00012690 ± 0.00000964	0.0072
14D28218	6.2 %	✓	0.0605204 ± 0.0002202	0.00011784 ± 0.00000627	0.0064
14D28220	6.8 %	✓	0.0612094 ± 0.0001735	0.00010153 ± 0.00000439	0.0051
14D28221	7.4 %	✓	0.0617952 ± 0.0002269	0.00009853 ± 0.00000634	0.0056
14D28222	8.3 %	✓	0.0626996 ± 0.0001898	0.00008094 ± 0.00000495	0.0044
14D28224	9.3 %		0.0632340 ± 0.0001733	0.00008618 ± 0.00000445	0.0042
14D28225	10.4 %		0.0637058 ± 0.0001997	0.00009491 ± 0.00000557	0.0053
14D28226	11.7 %		0.0639909 ± 0.0002364	0.00009213 ± 0.00000666	0.0053
14D28228	13.5 %		0.0646628 ± 0.0002256	0.00010230 ± 0.00000644	0.0055
14D28229	15.5 %		0.0646758 ± 0.0002302	0.00012009 ± 0.00000662	0.0063
14D28230	17.6 %		0.0640683 ± 0.0002663	0.00011475 ± 0.00000796	0.0061
14D28232	19.8 %		0.0640279 ± 0.0002361	0.00008494 ± 0.00000664	0.0046
14D28233	22.1 %		0.0648313 ± 0.0003194	0.00008560 ± 0.00000898	0.0052
14D28234	24.5 %		0.0649933 ± 0.0004691	0.00009992 ± 0.00001369	0.0062

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	386.06 ± 14.05	15.72217 ± 0.09046	48.46 ± 0.29	13.96
Error Chron	± 3.64%	± 0.58%	± 0.60%	0%
			Full External Error ± 1.12	
			Analytical Error ± 0.28	
Statistics	2σ Confidence Limit	1.57	Convergence	0.0000356525
	Error Magnification	3.7362	Number of Iterations	3
	Number of Data Points	27	Calculated Line	Weighted York-2
	Spreading Factor	41.8%		

Degassing Patterns		36Ar(a) [fA]	%1σ	36Ar(c) [fA]	%1σ	36Ar(ca) [fA]	%1σ	36Ar(cl) [fA]	%1σ	37Ar(ca) [fA]	%1σ	38Ar(a) [fA]	%1σ	38Ar(c) [fA]	%1σ	38Ar(k) [fA]	%1σ	38Ar(ca) [fA]	%1σ	38Ar(cl) [fA]	%1σ	39Ar(k) [fA]	%1σ	39Ar(ca) [fA]	%1σ	40Ar(r) [fA]	%1σ	40Ar(a) [fA]	%1σ	40Ar(c) [fA]	%1σ	40Ar(k) [fA]	%1σ	
14D28187	1.8 %	✓	0.8466452	0.43	0.0000000	0.00	0.0064249	14.45	0.0000756	19.13	24.1264	14.45	0.1582380	0.43	0.0000000	0.00	0.313968	0.28	0.0017323	19.32	0.2122715	19.16	26.09658	0.23	0.0162998	14.51	371.658	11.74	351.5271	12.41	0.0000000	0.00	0.0997672	2.67
14D28189	1.9 %	✓	0.3481449	0.71	0.0000000	0.00	0.0031230	25.82	0.0000059	229.16	11.7272	25.82	0.0650683	0.71	0.0000000	0.00	0.238142	0.33	0.0008420	28.83	0.0166134	229.17	19.79405	0.29	0.0079229	25.85	306.059	5.87	144.5498	12.42	0.0000000	0.00	0.0756726	2.68
14D28190	2.0 %	✓	0.2252010	0.92	0.0000000	0.00	0.0035273	23.82	0.0000000	0.00	13.2456	23.82	0.0420901	0.92	0.0000000	0.00	0.237069	0.33	0.0009510	27.05	0.0000000	0.00	19.70482	0.29	0.0089487	23.86	309.238	3.76	93.5034	12.43	0.0000000	0.00	0.0753315	2.68
14D28192	2.1 %	✓	0.1556027	1.24	0.0000000	0.00	0.0032382	25.58	0.0000193	68.60	12.1598	25.58	0.0290821	1.24	0.0000000	0.00	0.225360	0.35	0.0008731	28.62	0.0541503	68.61	18.73159	0.31	0.0082152	25.62	296.934	2.71	64.6062	12.46	0.0000000	0.00	0.0716109	2.68
14D28193	2.2 %	✓	0.1279553	1.47	0.0000000	0.00	0.0028262	31.55	0.0000000	0.00	10.6128	31.55	0.0239148	1.47	0.0000000	0.00	0.218958	0.36	0.0007620	34.05	0.0000000	0.00	18.19947	0.32	0.0071700	31.57	286.769	2.32	53.1270	12.49	0.0000000	0.00	0.0695766	2.68
14D28194	2.3 %	✓	0.1021713	1.81	0.0000000	0.00	0.0020089	42.02	0.0000000	0.00	7.5438	42.02	0.0190958	1.81	0.0000000	0.00	0.202614	0.37	0.0005416	43.94	0.0000000	0.00	16.84096	0.33	0.0050966	42.04	265.238	2.01	42.4215	12.53	0.0000000	0.00	0.0643830	2.68
14D28196	2.4 %	✓	0.0942180	2.00	0.0000000	0.00	0.0019103	46.25	0.0000000	0.00	7.1735	46.25	0.0176093	2.00	0.0000000	0.00	0.230705	0.34	0.0005151	48.00	0.0000000	0.00	19.17592	0.31	0.0048464	46.27	304.769	1.62	39.1193	12.56	0.0000000	0.00	0.0733095	2.68
14D28197	2.5 %	✓	0.0666256	2.72	0.0000000	0.00	0.0026959	33.45	0.0000061	225.70	10.1237	33.44	0.0124523	2.72	0.0000000	0.00	0.212247	0.36	0.0007269	35.82	0.0171847	225.70	17.64169	0.32	0.0068395	33.47	280.801	1.26	27.6629	12.69	0.0000000	0.00	0.0674442	2.68
14D28198	2.6 %	✓	0.0789122	2.35	0.0000000	0.00	0.0030366	28.81	0.0000191	71.11	11.4030	28.81	0.0147487	2.35	0.0000000	0.00	0.236474	0.34	0.0008187	31.53	0.0535166	71.11	19.65541	0.30	0.0077038	28.84	311.762	1.33	32.7644	12.62	0.0000000	0.00	0.0751426	2.68
14D28200	2.7 %	✓	0.0690934	2.62	0.0000000	0.00	0.0032087	28.06	0.0000011	#####	12.0490	28.06	0.0129136	2.62	0.0000000	0.00	0.223208	0.34	0.0008651	30.85	0.0030242	#####	18.55271	0.31	0.0081403	28.09	291.849	1.25	28.6876	12.67	0.0000000	0.00	0.0709270	2.68
14D28201	2.8 %	✓	0.0548164	3.16	0.0000000	0.00	0.0027167	31.89	0.0000000	0.00	10.2017	31.89	0.0102452	3.16	0.0000000	0.00	0.209276	0.36	0.0007325	34.37	0.0000000	0.00	17.39475	0.32	0.0068923	31.91	273.224	1.07	22.7598	12.80	0.0000000	0.00	0.0665001	2.68
14D28202	2.9 %	✓	0.0400042	4.25	0.0000000	0.00	0.0021505	40.53	0.0000000	0.00	8.0753	40.53	0.0074768	4.25	0.0000000	0.00	0.182569	0.40	0.0005798	42.51	0.0000000	0.00	15.17484	0.37	0.0054557	40.55	238.140	0.92	16.6097	13.11	0.0000000	0.00	0.0580134	2.69
14D28204	3.0 %	✓	0.0435510	4.04	0.0000000	0.00	0.0022959	39.03	0.0000000	0.00	8.6214	39.03	0.0081397	4.04	0.0000000	0.00	0.184014	0.40	0.0006190	41.08	0.0000000	0.00	15.29498	0.37	0.0058246	39.05	238.716	1.00	18.0824	13.04	0.0000000	0.00	0.0584727	2.69
14D28205	3.2 %	✓	0.0504382	3.43	0.0000000	0.00	0.0019582	41.54	0.0000000	0.00	7.3532	41.54	0.0094269	3.43	0.0000000	0.00	0.203659	0.37	0.0005280	43.48	0.0000000	0.00	16.92781	0.33	0.0049678	41.56	263.992	1.03	20.9420	12.87	0.0000000	0.00	0.0647150	2.68
14D28206	3.4 %	✓	0.0411012	4.25	0.0000000	0.00	0.0030400	28.66	0.0000152	87.32	11.4158	28.65	0.0076818	4.25	0.0000000	0.00	0.199681	0.37	0.0008197	31.39	0.0425827	87.33	16.59720	0.34	0.0077125	28.69	259.593	0.87	17.0652	13.11	0.0000000	0.00	0.0634511	2.68
14D28208	3.6 %	✓	0.0678443	2.70	0.0000000	0.00	0.0055428	16.21	0.0000000	0.00	20.8143	16.21	0.0126801	2.70	0.0000000	0.00	0.281215	0.30	0.0014945	20.67	0.0000000	0.00	23.37421	0.25	0.0140621	16.26	367.857	0.98	28.1690	12.69	0.0000000	0.00	0.0893596	2.67
14D28209	3.9 %	✓	0.0701756	2.50	0.0000000	0.00	0.0055922	16.17	0.0000000	0.00	20.9995	16.16	0.0131158	2.50	0.0000000	0.00	0.306169	0.28	0.0015078	20.63	0.0000000	0.00	25.44834	0.23	0.0141873	16.22	398.734	0.93	29.1369	12.65	0.0000000	0.00	0.0972890	2.67
14D28210	4.2 %	✓	0.0631773	2.77	0.0000000	0.00	0.0049651	17.59	0.0000000	0.00	18.6449	17.59	0.0118078	2.77	0.0000000	0.00	0.304395	0.28	0.0013387	21.77	0.0000000	0.00	25.30086	0.23	0.0125965	17.64	393.651	0.85	26.2312	12.71	0.0000000	0.00	0.0967252	2.67
14D28212	4.5 %	✓	0.0396955	4.32	0.0000000	0.00	0.0021256	41.32	0.0000000	0.00	7.9819	41.32	0.0074191	4.32	0.0000000	0.00	0.232452	0.34	0.0005731	43.27	0.0000000	0.00	19.32111	0.30	0.0053926	41.34	302.250	0.72	16.4816	13.13	0.0000000	0.00	0.0738646	2.68
14D28213	4.8 %	✓	0.0306709	5.66	0.0000000	0.00	0.0044295	19.89	0.0000022	628.30	16.6334	19.89	0.0057324	5.66	0.0000000	0.00	0.211879	0.37	0.0011943	23.67	0.0062409	628.30	17.61110	0.33	0.0112375	19.94	275.623	0.64	12.7345	13.63	0.0000000	0.00	0.0673272	2.68
14D28214	5.1 %	✓	0.0347336	4.96	0.0000000	0.00	0.0040823	21.48	0.0000000	0.00	15.3296	21.47	0.0064917	4.96	0.0000000	0.00	0.231396	0.34	0.0011007	25.01	0.0000000	0.00	19.23332	0.30	0.0103567	21.52	301.476	0.65	14.4214	13.36	0.0000000	0.00	0.0735290	2.68
14D28216	5.4 %	✓	0.0375390	4.62	0.0000000	0.00	0.0047296	19.25	0.0000041	350.68	17.7603	19.25	0.0070160	4.62	0.0000000	0.00	0.230736	0.34	0.0012752	23.13	0.0115888	350.69	19.17848	0.30	0.0119989	19.30	301.264	0.69	15.5862	13.23	0.0000000	0.00	0.0733193	2.68
14D28217	5.8 %	✓	0.0472293	3.80	0.0000000	0.00	0.0044998	20.33	0.0000000	0.00	16.8977	20.33	0.0088272	3.80	0.0000000	0.00	0.271157	0.30	0.0012133	24.03	0.0000000	0.00	22.53816	0.26	0.0114161	20.37	352.567	0.73	19.6096	12.97	0.0000000	0.00	0.0861634	2.67
14D28218	6.2 %	✓	0.0685478	2.66	0.0000000	0.00	0.0084272	10.75	0.0000000	0.00	31.6456	10.75	0.0128116	2.66	0.0000000	0.00	0.423540	0.24	0.0022722	16.73	0.0000000	0.00	35.20408	0.17	0.0213797	10.83	553.228	0.66	28.4610	12.68	0.0000000	0.00	0.1345852	2.67
14D28220	6.8 %	✓	0.0830247	2.16	0.0000000	0.00	0.0124343	7.37	0.0000000	0.00	46.6927	7.37	0.0155173	2.16	0.0000000	0.00	0.602172	0.21	0.0033525	14.79	0.0000000	0.00	50.05172	0.14	0.0315456	7.49	783.241	0.56	34.4719	12.59	0.0000000	0.00	0.1913477	2.66
14D28221	7.4 %	✓	0.0551686	3.22	0.0000000	0.00	0.0087895	9.95	0.0000000	0.00	33.0060	9.95	0.0103110	3.22	0.0000000	0.00	0.416269	0.24	0.0023698	16.23	0.0000000	0.00	34.59968	0.17	0.0222988	10.04	537.003	0.55	22.9060	12.81	0.0000000	0.00	0.1322746	2.67
14D28222	8.3 %	✓	0.0584560	3.06	0.0000000	0.00	0.0166936	4.97	0.0000054	253.79	62.6874	4.97	0.0109254	3.06	0.0000000	0.00	0.544774	0.22	0.0045010	13.75	0.0152248	253.79	45.28085	0.14	0.0423516	5.14	697.916	0.45	24.2709	12.77	0.0000000	0.00	0.1731087	2.66
14D28224	9.3 %		0.0719830	2.58	0.0000000	0.00	0.0278934	3.29	0.0000078	170.40	104.7441	3.28	0.0134536	2.58	0.0000000	0.00	0.635475	0.21	0.0075206	13.23	0.0219945	170.41	52.81979	0.13	0.0707651	3.54	805.419	0.47	29.8874	12.67	0.0000000	0.00	0.2019301	2.66
14D28225	10.4 %		0.0621772	2.93	0.0000000	0.00	0.0301695	2.89	0.0000000	0.00	113.2914	2.89	0.0116209	2.93	0.0000000	0.00	0.502105	0.22	0.0081343	13.14	0.0000000	0.00	41.73423	0.15	0.0765396	3.18	629.293	0.53	25.8160	12.74	0.0000000	0.00	0.1595500	2.66
14D28226	11.7 %		0.0501730	3.61	0.0000000	0.00	0.0292230	3.04	0.0000000	0.00	109.7373	3.03	0.0093773	3.61	0.0000000	0.00	0.419287	0.24	0.0078791	13.17	0.0000000	0.00	34.85059	0.17	0.0741385	3.31	523.786	0.52	20.8318	12.92	0.00000			

Additional Parameters		40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)	
14D28187	1.8 %	✓	27.698389	0.065215	0.923926	0.133549	0.032671	0.000153	219.337	76.310349	1.00154972	3.472E-11
14D28189	1.9 %	✓	22.759587	0.068312	0.592225	0.152928	0.017739	0.000129	219.360	76.344899	1.00154988	2.163E-11
14D28190	2.0 %	✓	20.433289	0.061960	0.671896	0.160054	0.011602	0.000101	219.372	76.362703	1.00154997	1.934E-11
14D28192	2.1 %	✓	19.296476	0.061759	0.648878	0.166020	0.008477	0.000097	219.394	76.397277	1.00155013	1.736E-11
14D28193	2.2 %	✓	18.672642	0.062228	0.582909	0.183902	0.007183	0.000094	219.406	76.414045	1.00155021	1.632E-11
14D28194	2.3 %	✓	18.266839	0.063671	0.447809	0.188191	0.006184	0.000100	219.417	76.430817	1.00155029	1.477E-11
14D28196	2.4 %	✓	17.932652	0.057147	0.373992	0.172984	0.005012	0.000088	219.440	76.465422	1.00155045	1.651E-11
14D28197	2.5 %	✓	17.482015	0.059407	0.573626	0.191857	0.003928	0.000090	219.451	76.483254	1.00155053	1.481E-11
14D28198	2.6 %	✓	17.525264	0.054588	0.579916	0.167081	0.004169	0.000084	219.463	76.500042	1.00155061	1.654E-11
14D28200	2.7 %	✓	17.273337	0.055493	0.649163	0.182160	0.003895	0.000085	219.485	76.534677	1.00155077	1.539E-11
14D28201	2.8 %	✓	17.012798	0.057834	0.586250	0.186939	0.003306	0.000087	219.497	76.551476	1.00155085	1.421E-11
14D28202	2.9 %	✓	16.785452	0.065790	0.531959	0.215599	0.002777	0.000097	219.508	76.569328	1.00155093	1.223E-11
14D28204	3.0 %	✓	16.787119	0.065189	0.563459	0.219920	0.002996	0.000099	219.531	76.603995	1.00155110	1.233E-11
14D28205	3.2 %	✓	16.831151	0.058642	0.434257	0.180408	0.003094	0.000091	219.542	76.620809	1.00155117	1.368E-11
14D28206	3.4 %	✓	16.665050	0.059115	0.687498	0.197015	0.002659	0.000092	219.554	76.638678	1.00155126	1.328E-11
14D28208	3.6 %	✓	16.936513	0.044906	0.889945	0.144288	0.003138	0.000069	219.576	76.672325	1.00155142	1.901E-11
14D28209	3.9 %	✓	16.807750	0.041253	0.824724	0.133330	0.002976	0.000059	219.588	76.690205	1.00155150	2.054E-11
14D28210	4.2 %	✓	16.591126	0.040117	0.736559	0.129579	0.002692	0.000060	219.599	76.707038	1.00155158	2.016E-11
14D28212	4.5 %	✓	16.495744	0.051965	0.413003	0.170672	0.002164	0.000077	219.622	76.741768	1.00155174	1.530E-11
14D28213	4.8 %	✓	16.367016	0.056798	0.943881	0.187786	0.001992	0.000085	219.634	76.759665	1.00155182	1.384E-11
14D28214	5.1 %	✓	16.419480	0.052034	0.796606	0.171084	0.002017	0.000077	219.645	76.776513	1.00155190	1.517E-11
14D28216	5.4 %	✓	16.514609	0.052062	0.925475	0.178183	0.002203	0.000077	219.668	76.811273	1.00155206	1.521E-11
14D28217	5.8 %	✓	16.508657	0.044633	0.749356	0.152322	0.002294	0.000069	219.679	76.828133	1.00155214	1.787E-11
14D28218	6.2 %	✓	16.517139	0.030012	0.898372	0.096570	0.002185	0.000045	219.691	76.846050	1.00155222	2.793E-11
14D28220	6.8 %	✓	16.330891	0.023114	0.932300	0.068726	0.001906	0.000031	219.714	76.880842	1.00155239	3.926E-11
14D28221	7.4 %	✓	16.175891	0.029657	0.953324	0.094860	0.001847	0.000045	219.725	76.897717	1.00155247	2.688E-11
14D28222	8.3 %	✓	15.937973	0.024088	1.383119	0.068771	0.001658	0.000035	219.736	76.914595	1.00155254	3.467E-11
14D28224	9.3 %		15.796927	0.021609	1.980393	0.065053	0.001889	0.000031	219.759	76.949418	1.00155271	4.010E-11
14D28225	10.4 %		15.672245	0.024502	2.709622	0.078379	0.002209	0.000038	219.771	76.967364	1.00155279	3.145E-11
14D28226	11.7 %		15.597871	0.028732	3.142110	0.095451	0.002273	0.000045	219.782	76.984257	1.00155287	2.615E-11
14D28228	13.5 %		15.423165	0.026810	4.353243	0.092854	0.002737	0.000043	219.805	77.019112	1.00155303	2.823E-11
14D28229	15.5 %		15.408131	0.027301	5.495549	0.094081	0.003313	0.000045	219.816	77.036017	1.00155311	2.780E-11
14D28230	17.6 %		15.545637	0.032145	6.308151	0.112662	0.003464	0.000055	219.828	77.053983	1.00155319	2.332E-11
14D28232	19.8 %		15.557156	0.028547	6.146162	0.102565	0.002958	0.000044	219.851	77.088869	1.00155335	2.702E-11
14D28233	22.1 %		15.365015	0.037679	6.088653	0.128638	0.002937	0.000060	219.862	77.105789	1.00155343	1.888E-11
14D28234	24.5 %		15.320042	0.055024	6.730530	0.194458	0.003323	0.000092	219.873	77.122713	1.00155351	1.247E-11

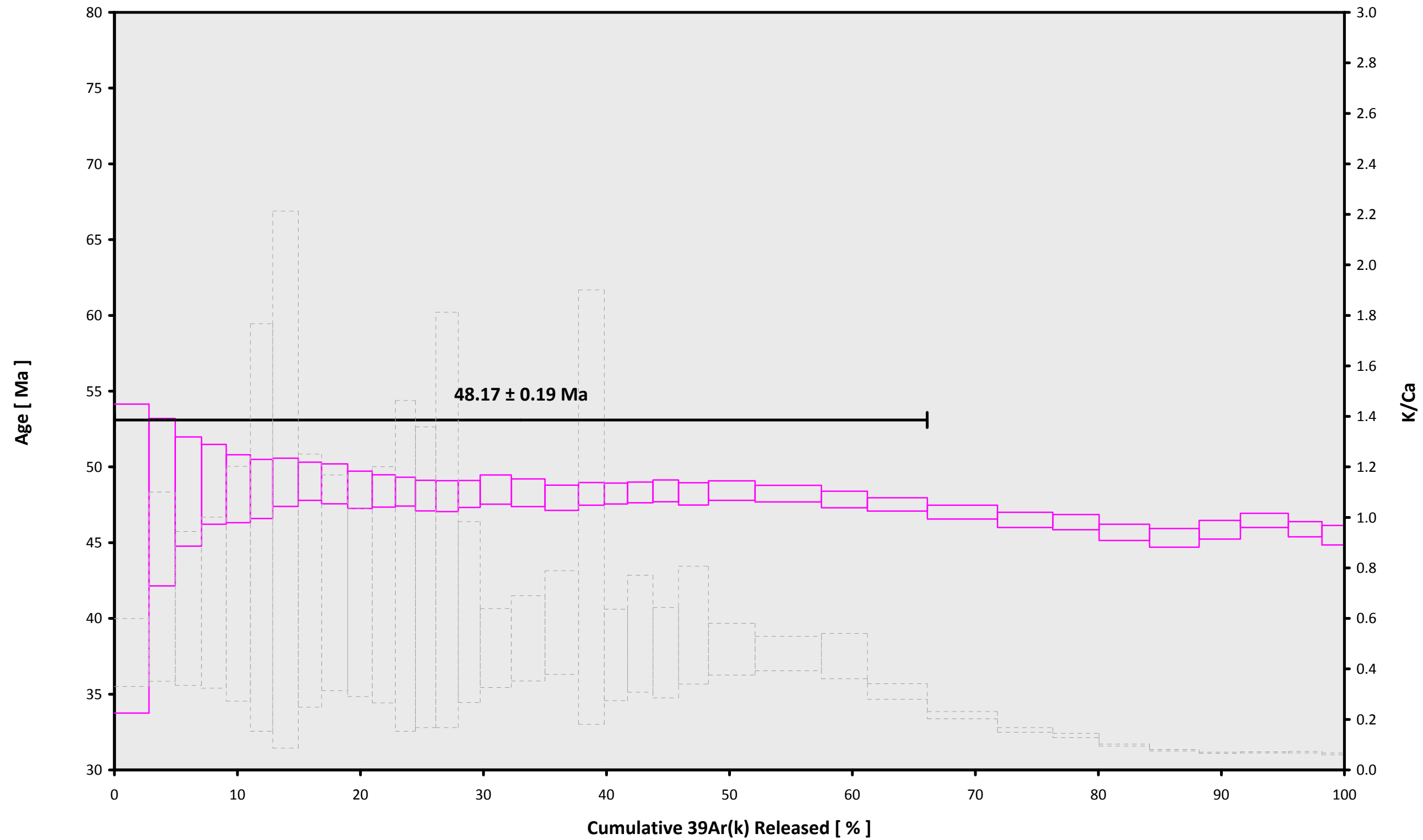
Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
14D28187	1.8 %	0.0246547 ± 0.0012704	0.0431822 ± 0.0293822	0.2743901 ± 0.0265109	0.0551749 ± 0.0483811	7.8570484 ± 0.3178269
14D28189	1.9 %	0.0244943 ± 0.0012704	0.0348594 ± 0.0293822	0.2833957 ± 0.0265109	0.0465470 ± 0.0483811	7.5261042 ± 0.3178269
14D28190	2.0 %	0.0244050 ± 0.0012704	0.0323172 ± 0.0293822	0.2867223 ± 0.0265109	0.0411526 ± 0.0483811	7.3923768 ± 0.3178269
14D28192	2.1 %	0.0242301 ± 0.0012704	0.0301241 ± 0.0293822	0.2910608 ± 0.0265109	0.0296656 ± 0.0483811	7.1956158 ± 0.3178269
14D28193	2.2 %	0.0241482 ± 0.0012704	0.0301370 ± 0.0293822	0.2923079 ± 0.0265109	0.0238931 ± 0.0483811	7.1269746 ± 0.3178269
14D28194	2.3 %	0.0240704 ± 0.0012704	0.0307162 ± 0.0293822	0.2930865 ± 0.0265109	0.0181497 ± 0.0483811	7.0738855 ± 0.3178269
14D28196	2.4 %	0.0239283 ± 0.0012704	0.0333038 ± 0.0293822	0.2934755 ± 0.0265109	0.0068393 ± 0.0483811	7.0076912 ± 0.3178269
14D28197	2.5 %	0.0238673 ± 0.0012704	0.0351734 ± 0.0293822	0.2931662 ± 0.0265109	0.0015004 ± 0.0483811	6.9933642 ± 0.3178269
14D28198	2.6 %	0.0238189 ± 0.0012704	0.0371548 ± 0.0293822	0.2926328 ± 0.0265109	0.0031119 ± 0.0483811	6.9903767 ± 0.3178269
14D28200	2.7 %	0.0237489 ± 0.0012704	0.0416139 ± 0.0293822	0.2909942 ± 0.0265109	0.0110960 ± 0.0483811	7.0111555 ± 0.3178269
14D28201	2.8 %	0.0237305 ± 0.0012704	0.0438246 ± 0.0293822	0.2900265 ± 0.0265109	0.0141263 ± 0.0483811	7.0319104 ± 0.3178269
14D28202	2.9 %	0.0237224 ± 0.0012704	0.0461230 ± 0.0293822	0.2889311 ± 0.0265109	0.0166920 ± 0.0483811	7.0599499 ± 0.3178269
14D28204	3.0 %	0.0237402 ± 0.0012704	0.0502210 ± 0.0293822	0.2867505 ± 0.0265109	0.0196657 ± 0.0483811	7.1273906 ± 0.3178269
14D28205	3.2 %	0.0237644 ± 0.0012704	0.0519476 ± 0.0293822	0.2857258 ± 0.0265109	0.0201423 ± 0.0483811	7.1641915 ± 0.3178269
14D28206	3.4 %	0.0238005 ± 0.0012704	0.0535438 ± 0.0293822	0.2846951 ± 0.0265109	0.0199698 ± 0.0483811	7.2048164 ± 0.3178269
14D28208	3.6 %	0.0238949 ± 0.0012704	0.0557727 ± 0.0293822	0.2829906 ± 0.0265109	0.0178458 ± 0.0483811	7.2819090 ± 0.3178269
14D28209	3.9 %	0.0239571 ± 0.0012704	0.0565010 ± 0.0293822	0.2822396 ± 0.0265109	0.0158439 ± 0.0483811	7.3213452 ± 0.3178269
14D28210	4.2 %	0.0240218 ± 0.0012704	0.0568799 ± 0.0293822	0.2816425 ± 0.0265109	0.0134762 ± 0.0483811	7.3564140 ± 0.3178269
14D28212	4.5 %	0.0241681 ± 0.0012704	0.0567033 ± 0.0293822	0.2807610 ± 0.0265109	0.0073977 ± 0.0483811	7.4193598 ± 0.3178269
14D28213	4.8 %	0.0242467 ± 0.0012704	0.0561144 ± 0.0293822	0.2804873 ± 0.0265109	0.0038193 ± 0.0483811	7.4453336 ± 0.3178269
14D28214	5.1 %	0.0243201 ± 0.0012704	0.0552642 ± 0.0293822	0.2803332 ± 0.0265109	0.0003048 ± 0.0483811	7.4648979 ± 0.3178269
14D28216	5.4 %	0.0244615 ± 0.0012704	0.0526811 ± 0.0293822	0.2802821 ± 0.0265109	0.0069214 ± 0.0483811	7.4878881 ± 0.3178269
14D28217	5.8 %	0.0245205 ± 0.0012704	0.0510775 ± 0.0293822	0.2803532 ± 0.0265109	0.0101618 ± 0.0483811	7.4895700 ± 0.3178269
14D28218	6.2 %	0.0245727 ± 0.0012704	0.0491696 ± 0.0293822	0.2804661 ± 0.0265109	0.0132129 ± 0.0483811	7.4838989 ± 0.3178269
14D28220	6.8 %	0.0246314 ± 0.0012704	0.0450423 ± 0.0293822	0.2806794 ± 0.0265109	0.0173148 ± 0.0483811	7.4492069 ± 0.3178269
14D28221	7.4 %	0.0246334 ± 0.0012704	0.0429380 ± 0.0293822	0.2807153 ± 0.0265109	0.0180927 ± 0.0483811	7.4204087 ± 0.3178269
14D28222	8.3 %	0.0246141 ± 0.0012704	0.0408387 ± 0.0293822	0.2806592 ± 0.0265109	0.0178396 ± 0.0483811	7.3833900 ± 0.3178269
14D28224	9.3 %	0.0244925 ± 0.0012704	0.0367886 ± 0.0293822	0.2800791 ± 0.0265109	0.0132353 ± 0.0483811	7.2800756 ± 0.3178269
14D28225	10.4 %	0.0243787 ± 0.0012704	0.0350058 ± 0.0293822	0.2794327 ± 0.0265109	0.0082463 ± 0.0483811	7.2122595 ± 0.3178269
14D28226	11.7 %	0.0242346 ± 0.0012704	0.0336234 ± 0.0293822	0.2785376 ± 0.0265109	0.0016135 ± 0.0483811	7.1391777 ± 0.3178269
14D28228	13.5 %	0.0238063 ± 0.0012704	0.0320412 ± 0.0293822	0.2755735 ± 0.0265109	0.0190225 ± 0.0483811	6.9597854 ± 0.3178269
14D28229	15.5 %	0.0235265 ± 0.0012704	0.0320772 ± 0.0293822	0.2734700 ± 0.0265109	0.0329163 ± 0.0483811	6.8588632 ± 0.3178269
14D28230	17.6 %	0.0231708 ± 0.0012704	0.0328371 ± 0.0293822	0.2706611 ± 0.0265109	0.0508560 ± 0.0483811	6.7416963 ± 0.3178269
14D28232	19.8 %	0.0222882 ± 0.0012704	0.0369032 ± 0.0293822	0.2632102 ± 0.0265109	0.0962573 ± 0.0483811	6.4854166 ± 0.3178269
14D28233	22.1 %	0.0217586 ± 0.0012704	0.0403431 ± 0.0293822	0.2584914 ± 0.0265109	0.1239091 ± 0.0483811	6.3477475 ± 0.3178269
14D28234	24.5 %	0.0211558 ± 0.0012704	0.0449038 ± 0.0293822	0.2529429 ± 0.0265109	0.1556561 ± 0.0483811	6.2015738 ± 0.3178269

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)
14D28187	1.8 %	0.8382642 ± 0.0020431	0.5423	EXP 150 of 150	0.2665238 ± 0.0337061	0.0345	EXP 150 of 150	0.4024673 ± 0.0299366	0.0453	EXP 150 of 150	25.950294 ± 0.030431	0.9572	EXP 150 of 150	733.07615 ± 0.06716	0.9986	EXP 150 of 150
14D28189	1.9 %	0.3594895 ± 0.0015691	0.2174	EXP 150 of 150	0.1156128 ± 0.0254028	0.0052	EXP 149 of 150	0.0328998 ± 0.0265732	0.0065	EXP 150 of 150	19.683378 ± 0.027475	0.9497	EXP 150 of 150	459.41603 ± 0.05546	0.9984	EXP 150 of 150
14D28190	2.0 %	0.2425337 ± 0.0011126	0.1602	EXP 150 of 150	0.1375979 ± 0.0278119	0.0061	EXP 150 of 150	0.0136205 ± 0.0267713	0.0026	EXP 150 of 150	19.590519 ± 0.027392	0.9521	EXP 150 of 150	411.28684 ± 0.05210	0.9982	EXP 150 of 150
14D28192	2.1 %	0.1757284 ± 0.0009916	0.0040	EXP 150 of 150	0.1257920 ± 0.0269593	0.0004	EXP 150 of 150	0.0141868 ± 0.0252650	0.0388	EXP 149 of 150	18.613184 ± 0.027614	0.9416	EXP 149 of 150	369.77485 ± 0.04881	0.9980	EXP 150 of 150
14D28193	2.2 %	0.1488691 ± 0.0008748	0.0397	EXP 150 of 150	0.1059130 ± 0.0312736	0.0009	EXP 150 of 150	0.0722224 ± 0.0251570	0.0036	EXP 150 of 150	18.078693 ± 0.028899	0.9345	EXP 150 of 150	348.00223 ± 0.05164	0.9974	EXP 150 of 150
14D28194	2.3 %	0.1234227 ± 0.0008719	0.1257	EXP 150 of 150	0.0659700 ± 0.0280564	0.0038	EXP 150 of 150	0.0834870 ± 0.0267068	0.0002	EXP 149 of 150	16.723714 ± 0.024799	0.9446	EXP 150 of 150	315.62109 ± 0.05000	0.9967	EXP 150 of 150
14D28196	2.4 %	0.1156018 ± 0.0009178	0.2283	EXP 150 of 150	0.0585939 ± 0.0307080	0.0174	EXP 149 of 150	0.0556373 ± 0.0259307	0.0006	EXP 150 of 150	19.027634 ± 0.029135	0.9401	EXP 150 of 150	351.88952 ± 0.04763	0.9981	EXP 150 of 150
14D28197	2.5 %	0.0899822 ± 0.0007672	0.3550	EXP 150 of 150	0.0944884 ± 0.0318825	0.0002	EXP 150 of 150	0.0538617 ± 0.0275628	0.0122	EXP 150 of 150	17.502835 ± 0.026860	0.9395	EXP 150 of 150	316.35028 ± 0.04726	0.9974	EXP 150 of 150
14D28198	2.6 %	0.1019882 ± 0.0008696	0.2522	EXP 150 of 150	0.1088601 ± 0.0300891	0.0026	EXP 150 of 150	0.0087610 ± 0.0265452	0.0558	EXP 150 of 150	19.496004 ± 0.028960	0.9456	EXP 150 of 150	352.51317 ± 0.05194	0.9978	EXP 150 of 150
14D28200	2.7 %	0.0927014 ± 0.0007695	0.2228	EXP 150 of 150	0.1126039 ± 0.0317514	0.0042	EXP 150 of 150	0.0542548 ± 0.0232344	0.0079	EXP 150 of 150	18.394950 ± 0.025620	0.9497	EXP 150 of 150	328.47640 ± 0.05147	0.9974	EXP 150 of 150
14D28201	2.8 %	0.0785974 ± 0.0006424	0.4270	EXP 150 of 150	0.0867204 ± 0.0294722	0.0006	EXP 150 of 150	0.0855812 ± 0.0228673	0.0042	EXP 148 of 150	17.242375 ± 0.024693	0.9534	EXP 150 of 150	303.87420 ± 0.05213	0.9966	EXP 150 of 150
14D28202	2.9 %	0.0639235 ± 0.0005612	0.5503	EXP 150 of 150	0.0571876 ± 0.0298205	0.0002	EXP 150 of 150	0.1143859 ± 0.0257241	0.0004	EXP 150 of 150	15.036992 ± 0.026022	0.9267	EXP 150 of 150	262.54952 ± 0.04146	0.9965	EXP 150 of 150
14D28204	3.0 %	0.0674625 ± 0.0006727	0.4320	EXP 150 of 150	0.0600260 ± 0.0314254	0.0004	EXP 150 of 150	0.1314451 ± 0.0235712	0.0043	EXP 150 of 150	15.153516 ± 0.025791	0.9305	EXP 150 of 150	264.67069 ± 0.04409	0.9964	EXP 150 of 150
14D28205	3.2 %	0.0737327 ± 0.0007022	0.4070	EXP 150 of 150	0.0420615 ± 0.0257201	0.0058	EXP 150 of 150	0.0878556 ± 0.0278000	0.0002	EXP 150 of 150	16.771406 ± 0.024331	0.9478	EXP 150 of 150	292.92458 ± 0.04920	0.9968	EXP 150 of 150
14D28206	3.4 %	0.0659106 ± 0.0006765	0.3776	EXP 150 of 150	0.0923717 ± 0.0297321	0.0004	EXP 150 of 150	0.0373477 ± 0.0253238	0.0380	EXP 150 of 150	16.446447 ± 0.024096	0.9483	EXP 150 of 150	284.66663 ± 0.04421	0.9972	EXP 150 of 150
14D28208	3.6 %	0.0938812 ± 0.0008161	0.3486	EXP 150 of 150	0.2101552 ± 0.0314982	0.0565	EXP 150 of 150	0.0330237 ± 0.0289229	0.0003	EXP 150 of 150	23.175346 ± 0.028888	0.9625	EXP 150 of 150	404.45705 ± 0.05009	0.9988	EXP 150 of 150
14D28209	3.9 %	0.0962138 ± 0.0006342	0.3500	EXP 150 of 150	0.2117313 ± 0.0318379	0.0302	EXP 150 of 150	0.0177795 ± 0.0272653	0.0000	EXP 150 of 150	25.234295 ± 0.028967	0.9690	EXP 150 of 150	436.43362 ± 0.05585	0.9987	EXP 150 of 150
14D28210	4.2 %	0.0890064 ± 0.0006732	0.4383	EXP 150 of 150	0.1812232 ± 0.0298090	0.0106	EXP 150 of 150	0.0115040 ± 0.0281877	0.0004	EXP 150 of 150	25.088832 ± 0.026043	0.9754	EXP 150 of 150	428.45824 ± 0.05102	0.9989	EXP 150 of 150
14D28212	4.5 %	0.0640511 ± 0.0005920	0.5240	EXP 150 of 150	0.0451830 ± 0.0301483	0.0323	EXP 150 of 150	0.0789367 ± 0.0276212	0.0003	EXP 150 of 150	19.157898 ± 0.027542	0.9502	EXP 150 of 150	327.07701 ± 0.05184	0.9976	EXP 150 of 150
14D28213	4.8 %	0.0577225 ± 0.0006412	0.4787	EXP 150 of 150	0.1561556 ± 0.0302943	0.0191	EXP 150 of 150	0.0585077 ± 0.0281431	0.0072	EXP 150 of 150	17.471524 ± 0.028549	0.9379	EXP 150 of 150	296.64177 ± 0.05041	0.9970	EXP 150 of 150
14D28214	5.1 %	0.0613373 ± 0.0006153	0.4927	EXP 150 of 150	0.1403249 ± 0.0299867	0.0061	EXP 150 of 150	0.0674947 ± 0.0284206	0.0029	EXP 150 of 150	19.082852 ± 0.027738	0.9502	EXP 150 of 150	324.28109 ± 0.04981	0.9978	EXP 150 of 150
14D28216	5.4 %	0.0647752 ± 0.0005929	0.5147	EXP 150 of 150	0.1738182 ± 0.0321823	0.0236	EXP 150 of 150	0.0330814 ± 0.0300493	0.0041	EXP 150 of 150	19.037323 ± 0.026805	0.9543	EXP 150 of 150	325.25874 ± 0.04407	0.9983	EXP 150 of 150
14D28217	5.8 %	0.0738524 ± 0.0007309	0.3665	EXP 150 of 150	0.1643730 ± 0.0324403	0.0001	EXP 150 of 150	0.0058795 ± 0.0234325	0.0014	EXP 150 of 150	22.371634 ± 0.026589	0.9658	EXP 150 of 150	380.74833 ± 0.05059	0.9986	EXP 150 of 150
14D28218	6.2 %	0.0979805 ± 0.0007878	0.3648	EXP 150 of 150	0.3542272 ± 0.0317737	0.0310	EXP 150 of 150	0.1385426 ± 0.0291229	0.0036	EXP 150 of 150	34.944824 ± 0.027144	0.9855	EXP 150 of 150	590.86364 ± 0.06247	0.9993	EXP 150 of 150
14D28220	6.8 %	0.1156666 ± 0.0006966	0.5899	EXP 150 of 150	0.5498954 ± 0.0323151	0.0099	EXP 149 of 150	0.2940449 ± 0.0295600	0.0154	EXP 150 of 150	49.682788 ± 0.032410	0.9900	EXP 149 of 150	827.54091 ± 0.06951	0.9996	EXP 150 of 150
14D28221	7.4 %	0.0856276 ± 0.0007250	0.5062	EXP 150 of 150	0.3775176 ± 0.0296465	0.0003	EXP 150 of 150	0.1205922 ± 0.0265296	0.0092	EXP 149 of 150	34.351250 ± 0.026035	0.9866	EXP 150 of 150	568.95947 ± 0.05398	0.9994	EXP 150 of 150
14D28222	8.3 %	0.0962864 ± 0.0007881	0.5941	EXP 150 of 150	0.7575463 ± 0.0261506	0.0758	EXP 150 of 150	0.2869233 ± 0.0273329	0.0357	EXP 150 of 150	44.962945 ± 0.030230	0.9892	EXP 150 of 150	731.67511 ± 0.07026	0.9995	EXP 150 of 150
14D28224	9.3 %	0.1197480 ± 0.0008296	0.5463	EXP 150 of 150	1.2966266 ± 0.0312376	0.0466	EXP 150 of 150	0.3891180 ± 0.0256903	0.0319	EXP 150 of 150	52.462564 ± 0.033163	0.9906	EXP 150 of 150	845.02275 ± 0.06227	0.9997	EXP 150 of 150
14D28225	10.4 %	0.1124459 ± 0.0008115	0.4125	EXP 150 of 150	1.4068815 ± 0.0279717	0.0818	EXP 150 of 150	0.1948064 ± 0.0276607	0.0000	EXP 150 of 150	41.470212 ± 0.025187	0.9912	EXP 150 of 150	664.23323 ± 0.06077	0.9995	EXP 150 of 150
14D28226	11.7 %	0.0999513 ± 0.0007822	0.4067	EXP 150 of 150	1.3627241 ± 0.0290921	0.0727	EXP 149 of 150	0.1512027 ± 0.0256236	0.0001	EXP 150 of 150	34.634980 ± 0.027272	0.9852	EXP 150 of 150	553.34739 ± 0.05969	0.9992	EXP 150 of 150
14D28228	13.5 %	0.1233563 ± 0.0008713	0.3166	EXP 150 of 150	2.0796407 ± 0.0310129	0.1664	EXP 150 of 150	0.2321726 ± 0.0229070	0.0556	EXP 149 of 150	37.802117 ± 0.029611	0.9850	EXP 150 of 150	596.76193 ± 0.06139	0.9993	EXP 150 of 150
14D28229	15.5 %	0.1423088 ± 0.0009014	0.1637	EXP 150 of 150	2.5948021 ± 0.0290364	0.2495	EXP 150 of 150	0.2117177 ± 0.0250963	0.0188	EXP 150 of 150	37.244288 ± 0.030575	0.9836	EXP 150 of 150	587.61201 ± 0.06237	0.9992	EXP 150 of 150
14D28230	17.6 %	0.1263834 ± 0.0009488	0.2479	EXP 150 of 150	2.4730790 ± 0.0290831	0.1535	EXP 150 of 150	0.1456062 ± 0.0241232	0.0168	EXP 150 of 150	30.936174 ± 0.029861	0.9778	EXP 150 of 150	493.80654 ± 0.05446	0.9991	EXP 150 of 150
14D28232	19.8 %	0.1243347 ± 0.0007715	0.3777	EXP 150 of 150	2.7885762 ± 0.0315056	0.2269	EXP 150 of 150	0.1735357 ± 0.0260391	0.0024	EXP 150 of 150	35.779427 ± 0.031037	0.9826	EXP 150 of 150	570.80976 ± 0.06078	0.9992	EXP 150 of 150
14D28233	22.1 %	0.0934490 ± 0.0006974	0.4771	EXP 150 of 150	1.9398183 ± 0.0264094	0.1461	EXP 149 of 150	0.0762000 ± 0.0238149	0.0269	EXP 150 of 150	25.261646 ± 0.028323	0.9707	EXP 150 of 150	400.73064 ± 0.04962	0.9987	EXP 150 of 150
14D28234	24.5 %	0.0748912 ± 0.0007378	0.4032	EXP 150 of 150	1.4047745 ± 0.0278698	0.1592	EXP 150 of 150	0.0379323 ± 0.0262559	0.0185	EXP 150 of 150	16.660432 ± 0.027276	0.9359	EXP 150 of 150	266.68697 ± 0.04615	0.9964	EXP 150 of 150

Project Info	Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb	
14D28187	1.8 %	Kevin Konrad	14-OSU-02	0.00	0.00	61.70	French Polynesia\Rurutu (13-INT-08)	14D28186	01
14D28189	1.9 %	Kevin Konrad	14-OSU-02	0.00	0.00	61.70	French Polynesia\Rurutu (13-INT-08)	14D28186	01
14D28190	2.0 %	Kevin Konrad	14-OSU-02	0.00	0.00	61.70	French Polynesia\Rurutu (13-INT-08)	14D28186	01
14D28192	2.1 %	Kevin Konrad	14-OSU-02	0.00	0.00	61.70	French Polynesia\Rurutu (13-INT-08)	14D28186	01
14D28193	2.2 %	Kevin Konrad	14-OSU-02	0.00	0.00	61.70	French Polynesia\Rurutu (13-INT-08)	14D28186	01
14D28194	2.3 %	Kevin Konrad	14-OSU-02	0.00	0.00	61.70	French Polynesia\Rurutu (13-INT-08)	14D28186	01
14D28196	2.4 %	Kevin Konrad	14-OSU-02	0.00	0.00	61.70	French Polynesia\Rurutu (13-INT-08)	14D28186	01
14D28197	2.5 %	Kevin Konrad	14-OSU-02	0.00	0.00	61.70	French Polynesia\Rurutu (13-INT-08)	14D28186	01
14D28198	2.6 %	Kevin Konrad	14-OSU-02	0.00	0.00	61.70	French Polynesia\Rurutu (13-INT-08)	14D28186	01
14D28200	2.7 %	Kevin Konrad	14-OSU-02	0.00	0.00	61.70	French Polynesia\Rurutu (13-INT-08)	14D28186	01
14D28201	2.8 %	Kevin Konrad	14-OSU-02	0.00	0.00	61.70	French Polynesia\Rurutu (13-INT-08)	14D28186	01
14D28202	2.9 %	Kevin Konrad	14-OSU-02	0.00	0.00	61.70	French Polynesia\Rurutu (13-INT-08)	14D28186	01
14D28204	3.0 %	Kevin Konrad	14-OSU-02	0.00	0.00	61.70	French Polynesia\Rurutu (13-INT-08)	14D28186	01
14D28205	3.2 %	Kevin Konrad	14-OSU-02	0.00	0.00	61.70	French Polynesia\Rurutu (13-INT-08)	14D28186	01
14D28206	3.4 %	Kevin Konrad	14-OSU-02	0.00	0.00	61.70	French Polynesia\Rurutu (13-INT-08)	14D28186	01
14D28208	3.6 %	Kevin Konrad	14-OSU-02	0.00	0.00	61.70	French Polynesia\Rurutu (13-INT-08)	14D28186	01
14D28209	3.9 %	Kevin Konrad	14-OSU-02	0.00	0.00	61.70	French Polynesia\Rurutu (13-INT-08)	14D28186	01
14D28210	4.2 %	Kevin Konrad	14-OSU-02	0.00	0.00	61.70	French Polynesia\Rurutu (13-INT-08)	14D28186	01
14D28212	4.5 %	Kevin Konrad	14-OSU-02	0.00	0.00	61.70	French Polynesia\Rurutu (13-INT-08)	14D28186	01
14D28213	4.8 %	Kevin Konrad	14-OSU-02	0.00	0.00	61.70	French Polynesia\Rurutu (13-INT-08)	14D28186	01
14D28214	5.1 %	Kevin Konrad	14-OSU-02	0.00	0.00	61.70	French Polynesia\Rurutu (13-INT-08)	14D28186	01
14D28216	5.4 %	Kevin Konrad	14-OSU-02	0.00	0.00	61.70	French Polynesia\Rurutu (13-INT-08)	14D28186	01
14D28217	5.8 %	Kevin Konrad	14-OSU-02	0.00	0.00	61.70	French Polynesia\Rurutu (13-INT-08)	14D28186	01
14D28218	6.2 %	Kevin Konrad	14-OSU-02	0.00	0.00	61.70	French Polynesia\Rurutu (13-INT-08)	14D28186	01
14D28220	6.8 %	Kevin Konrad	14-OSU-02	0.00	0.00	61.70	French Polynesia\Rurutu (13-INT-08)	14D28186	01
14D28221	7.4 %	Kevin Konrad	14-OSU-02	0.00	0.00	61.70	French Polynesia\Rurutu (13-INT-08)	14D28186	01
14D28222	8.3 %	Kevin Konrad	14-OSU-02	0.00	0.00	61.70	French Polynesia\Rurutu (13-INT-08)	14D28186	01
14D28224	9.3 %	Kevin Konrad	14-OSU-02	0.00	0.00	61.70	French Polynesia\Rurutu (13-INT-08)	14D28186	01
14D28225	10.4 %	Kevin Konrad	14-OSU-02	0.00	0.00	61.70	French Polynesia\Rurutu (13-INT-08)	14D28186	01
14D28226	11.7 %	Kevin Konrad	14-OSU-02	0.00	0.00	61.70	French Polynesia\Rurutu (13-INT-08)	14D28186	01
14D28228	13.5 %	Kevin Konrad	14-OSU-02	0.00	0.00	61.70	French Polynesia\Rurutu (13-INT-08)	14D28186	01
14D28229	15.5 %	Kevin Konrad	14-OSU-02	0.00	0.00	61.70	French Polynesia\Rurutu (13-INT-08)	14D28186	01
14D28230	17.6 %	Kevin Konrad	14-OSU-02	0.00	0.00	61.70	French Polynesia\Rurutu (13-INT-08)	14D28186	01
14D28232	19.8 %	Kevin Konrad	14-OSU-02	0.00	0.00	61.70	French Polynesia\Rurutu (13-INT-08)	14D28186	01
14D28233	22.1 %	Kevin Konrad	14-OSU-02	0.00	0.00	61.70	French Polynesia\Rurutu (13-INT-08)	14D28186	01
14D28234	24.5 %	Kevin Konrad	14-OSU-02	0.00	0.00	61.70	French Polynesia\Rurutu (13-INT-08)	14D28186	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	
14D28187	1.8 %	RR1310-D24-11	Groundmass	Rurutu Hotspot	FCT-NM (2A52-14)	28.201	0.082	Kuiper et al. (2008)	9.09815	0.092	0.00172754	0.092	303.771	0.15	0.99318427	0.069	1	4.8E-14	19	OCT	2014	23	14	1
14D28189	1.9 %	RR1310-D24-11	Groundmass	Rurutu Hotspot	FCT-NM (2A52-14)	28.201	0.082	Kuiper et al. (2008)	9.09815	0.092	0.00172754	0.092	303.771	0.15	0.99318427	0.069	1	4.8E-14	19	OCT	2014	23	47	1
14D28190	2.0 %	RR1310-D24-11	Groundmass	Rurutu Hotspot	FCT-NM (2A52-14)	28.201	0.082	Kuiper et al. (2008)	9.09815	0.092	0.00172754	0.092	303.771	0.15	0.99318427	0.069	1	4.8E-14	20	OCT	2014	0	4	1
14D28192	2.1 %	RR1310-D24-11	Groundmass	Rurutu Hotspot	FCT-NM (2A52-14)	28.201	0.082	Kuiper et al. (2008)	9.09815	0.092	0.00172754	0.092	303.771	0.15	0.99318427	0.069	1	4.8E-14	20	OCT	2014	0	37	1
14D28193	2.2 %	RR1310-D24-11	Groundmass	Rurutu Hotspot	FCT-NM (2A52-14)	28.201	0.082	Kuiper et al. (2008)	9.09815	0.092	0.00172754	0.092	303.771	0.15	0.99318427	0.069	1	4.8E-14	20	OCT	2014	0	53	1
14D28194	2.3 %	RR1310-D24-11	Groundmass	Rurutu Hotspot	FCT-NM (2A52-14)	28.201	0.082	Kuiper et al. (2008)	9.09815	0.092	0.00172754	0.092	303.771	0.15	0.99318427	0.069	1	4.8E-14	20	OCT	2014	1	9	1
14D28196	2.4 %	RR1310-D24-11	Groundmass	Rurutu Hotspot	FCT-NM (2A52-14)	28.201	0.082	Kuiper et al. (2008)	9.09815	0.092	0.00172754	0.092	303.771	0.15	0.99318427	0.069	1	4.8E-14	20	OCT	2014	1	42	1
14D28197	2.5 %	RR1310-D24-11	Groundmass	Rurutu Hotspot	FCT-NM (2A52-14)	28.201	0.082	Kuiper et al. (2008)	9.09815	0.092	0.00172754	0.092	303.771	0.15	0.99318427	0.069	1	4.8E-14	20	OCT	2014	1	59	1
14D28198	2.6 %	RR1310-D24-11	Groundmass	Rurutu Hotspot	FCT-NM (2A52-14)	28.201	0.082	Kuiper et al. (2008)	9.09815	0.092	0.00172754	0.092	303.771	0.15	0.99318427	0.069	1	4.8E-14	20	OCT	2014	2	15	1
14D28200	2.7 %	RR1310-D24-11	Groundmass	Rurutu Hotspot	FCT-NM (2A52-14)	28.201	0.082	Kuiper et al. (2008)	9.09815	0.092	0.00172754	0.092	303.771	0.15	0.99318427	0.069	1	4.8E-14	20	OCT	2014	2	48	1
14D28201	2.8 %	RR1310-D24-11	Groundmass	Rurutu Hotspot	FCT-NM (2A52-14)	28.201	0.082	Kuiper et al. (2008)	9.09815	0.092	0.00172754	0.092	303.771	0.15	0.99318427	0.069	1	4.8E-14	20	OCT	2014	3	4	1
14D28202	2.9 %	RR1310-D24-11	Groundmass	Rurutu Hotspot	FCT-NM (2A52-14)	28.201	0.082	Kuiper et al. (2008)	9.09815	0.092	0.00172754	0.092	303.771	0.15	0.99318427	0.069	1	4.8E-14	20	OCT	2014	3	21	1
14D28204	3.0 %	RR1310-D24-11	Groundmass	Rurutu Hotspot	FCT-NM (2A52-14)	28.201	0.082	Kuiper et al. (2008)	9.09815	0.092	0.00172754	0.092	303.771	0.15	0.99318427	0.069	1	4.8E-14	20	OCT	2014	3	54	1
14D28205	3.2 %	RR1310-D24-11	Groundmass	Rurutu Hotspot	FCT-NM (2A52-14)	28.201	0.082	Kuiper et al. (2008)	9.09815	0.092	0.00172754	0.092	303.771	0.15	0.99318427	0.069	1	4.8E-14	20	OCT	2014	4	10	1
14D28206	3.4 %	RR1310-D24-11	Groundmass	Rurutu Hotspot	FCT-NM (2A52-14)	28.201	0.082	Kuiper et al. (2008)	9.09815	0.092	0.00172754	0.092	303.771	0.15	0.99318427	0.069	1	4.8E-14	20	OCT	2014	4	27	1
14D28208	3.6 %	RR1310-D24-11	Groundmass	Rurutu Hotspot	FCT-NM (2A52-14)	28.201	0.082	Kuiper et al. (2008)	9.09815	0.092	0.00172754	0.092	303.771	0.15	0.99318427	0.069	1	4.8E-14	20	OCT	2014	4	59	1
14D28209	3.9 %	RR1310-D24-11	Groundmass	Rurutu Hotspot	FCT-NM (2A52-14)	28.201	0.082	Kuiper et al. (2008)	9.09815	0.092	0.00172754	0.092	303.771	0.15	0.99318427	0.069	1	4.8E-14	20	OCT	2014	5	16	1
14D28210	4.2 %	RR1310-D24-11	Groundmass	Rurutu Hotspot	FCT-NM (2A52-14)	28.201	0.082	Kuiper et al. (2008)	9.09815	0.092	0.00172754	0.092	303.771	0.15	0.99318427	0.069	1	4.8E-14	20	OCT	2014	5	32	1
14D28212	4.5 %	RR1310-D24-11	Groundmass	Rurutu Hotspot	FCT-NM (2A52-14)	28.201	0.082	Kuiper et al. (2008)	9.09815	0.092	0.00172754	0.092	303.771	0.15	0.99318427	0.069	1	4.8E-14	20	OCT	2014	6	5	1
14D28213	4.8 %	RR1310-D24-11	Groundmass	Rurutu Hotspot	FCT-NM (2A52-14)	28.201	0.082	Kuiper et al. (2008)	9.09815	0.092	0.00172754	0.092	303.771	0.15	0.99318427	0.069	1	4.8E-14	20	OCT	2014	6	22	1
14D28214	5.1 %	RR1310-D24-11	Groundmass	Rurutu Hotspot	FCT-NM (2A52-14)	28.201	0.082	Kuiper et al. (2008)	9.09815	0.092	0.00172754	0.092	303.771	0.15	0.99318427	0.069	1	4.8E-14	20	OCT	2014	6	38	1
14D28216	5.4 %	RR1310-D24-11	Groundmass	Rurutu Hotspot	FCT-NM (2A52-14)	28.201	0.082	Kuiper et al. (2008)	9.09815	0.092	0.00172754	0.092	303.771	0.15	0.99318427	0.069	1	4.8E-14	20	OCT	2014	7	11	1
14D28217	5.8 %	RR1310-D24-11	Groundmass	Rurutu Hotspot	FCT-NM (2A52-14)	28.201	0.082	Kuiper et al. (2008)	9.09815	0.092	0.00172754	0.092	303.771	0.15	0.99318427	0.069	1	4.8E-14	20	OCT	2014	7	27	1
14D28218	6.2 %	RR1310-D24-11	Groundmass	Rurutu Hotspot	FCT-NM (2A52-14)	28.201	0.082	Kuiper et al. (2008)	9.09815	0.092	0.00172754	0.092	303.771	0.15	0.99318427	0.069	1	4.8E-14	20	OCT	2014	7	44	1
14D28220	6.8 %	RR1310-D24-11	Groundmass	Rurutu Hotspot	FCT-NM (2A52-14)	28.201	0.082	Kuiper et al. (2008)	9.09815	0.092	0.00172754	0.092	303.771	0.15	0.99318427	0.069	1	4.8E-14	20	OCT	2014	8	17	1
14D28221	7.4 %	RR1310-D24-11	Groundmass	Rurutu Hotspot	FCT-NM (2A52-14)	28.201	0.082	Kuiper et al. (2008)	9.09815	0.092	0.00172754	0.092	303.771	0.15	0.99318427	0.069	1	4.8E-14	20	OCT	2014	8	33	1
14D28222	8.3 %	RR1310-D24-11	Groundmass	Rurutu Hotspot	FCT-NM (2A52-14)	28.201	0.082	Kuiper et al. (2008)	9.09815	0.092	0.00172754	0.092	303.771	0.15	0.99318427	0.069	1	4.8E-14	20	OCT	2014	8	49	1
14D28224	9.3 %	RR1310-D24-11	Groundmass	Rurutu Hotspot	FCT-NM (2A52-14)	28.201	0.082	Kuiper et al. (2008)	9.09815	0.092	0.00172754	0.092	303.771	0.15	0.99318427	0.069	1	4.8E-14	20	OCT	2014	9	22	1
14D28225	10.4 %	RR1310-D24-11	Groundmass	Rurutu Hotspot	FCT-NM (2A52-14)	28.201	0.082	Kuiper et al. (2008)	9.09815	0.092	0.00172754	0.092	303.771	0.15	0.99318427	0.069	1	4.8E-14	20	OCT	2014	9	39	1
14D28226	11.7 %	RR1310-D24-11	Groundmass	Rurutu Hotspot	FCT-NM (2A52-14)	28.201	0.082	Kuiper et al. (2008)	9.09815	0.092	0.00172754	0.092	303.771	0.15	0.99318427	0.069	1	4.8E-14	20	OCT	2014	9	55	1
14D28228	13.5 %	RR1310-D24-11	Groundmass	Rurutu Hotspot	FCT-NM (2A52-14)	28.201	0.082	Kuiper et al. (2008)	9.09815	0.092	0.00172754	0.092	303.771	0.15	0.99318427	0.069	1	4.8E-14	20	OCT	2014	10	28	1
14D28229	15.5 %	RR1310-D24-11	Groundmass	Rurutu Hotspot	FCT-NM (2A52-14)	28.201	0.082	Kuiper et al. (2008)	9.09815	0.092	0.00172754	0.092	303.771	0.15	0.99318427	0.069	1	4.8E-14	20	OCT	2014	10	44	1
14D28230	17.6 %	RR1310-D24-11	Groundmass	Rurutu Hotspot	FCT-NM (2A52-14)	28.201	0.082	Kuiper et al. (2008)	9.09815	0.092	0.00172754	0.092	303.771	0.15	0.99318427	0.069	1	4.8E-14	20	OCT	2014	11	1	1
14D28232	19.8 %	RR1310-D24-11	Groundmass	Rurutu Hotspot	FCT-NM (2A52-14)	28.201	0.082	Kuiper et al. (2008)	9.09815	0.092	0.00172754	0.092	303.771	0.15	0.99318427	0.069	1	4.8E-14	20	OCT	2014	11	34	1
14D28233	22.1 %	RR1310-D24-11	Groundmass	Rurutu Hotspot	FCT-NM (2A52-14)	28.201	0.082	Kuiper et al. (2008)	9.09815	0.092	0.00172754	0.092	303.771	0.15	0.99318427	0.069	1	4.8E-14	20	OCT	2014	11	50	1
14D28234	24.5 %	RR1310-D24-11	Groundmass	Rurutu Hotspot	FCT-NM (2A52-14)	28.201	0.082	Kuiper et al. (2008)	9.09815	0.092	0.00172754	0.092	303.771	0.15	0.99318427	0.069	1	4.8E-14	20	OCT	2014	12	6	1

14D28186.AGE >>> RR1310-D24-11 >>> FRENCH POLYNESIA | RURUTU (13-INT-08) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

48.17 ± 0.19

TOTAL FUSION

47.44 ± 0.36

NORMAL ISOCHRON

48.14 ± 0.31

INVERSE ISOCHRON

48.46 ± 0.29

MSWD (PROBABILITY)

0.72 (85%)

Sample Info

Groundmass

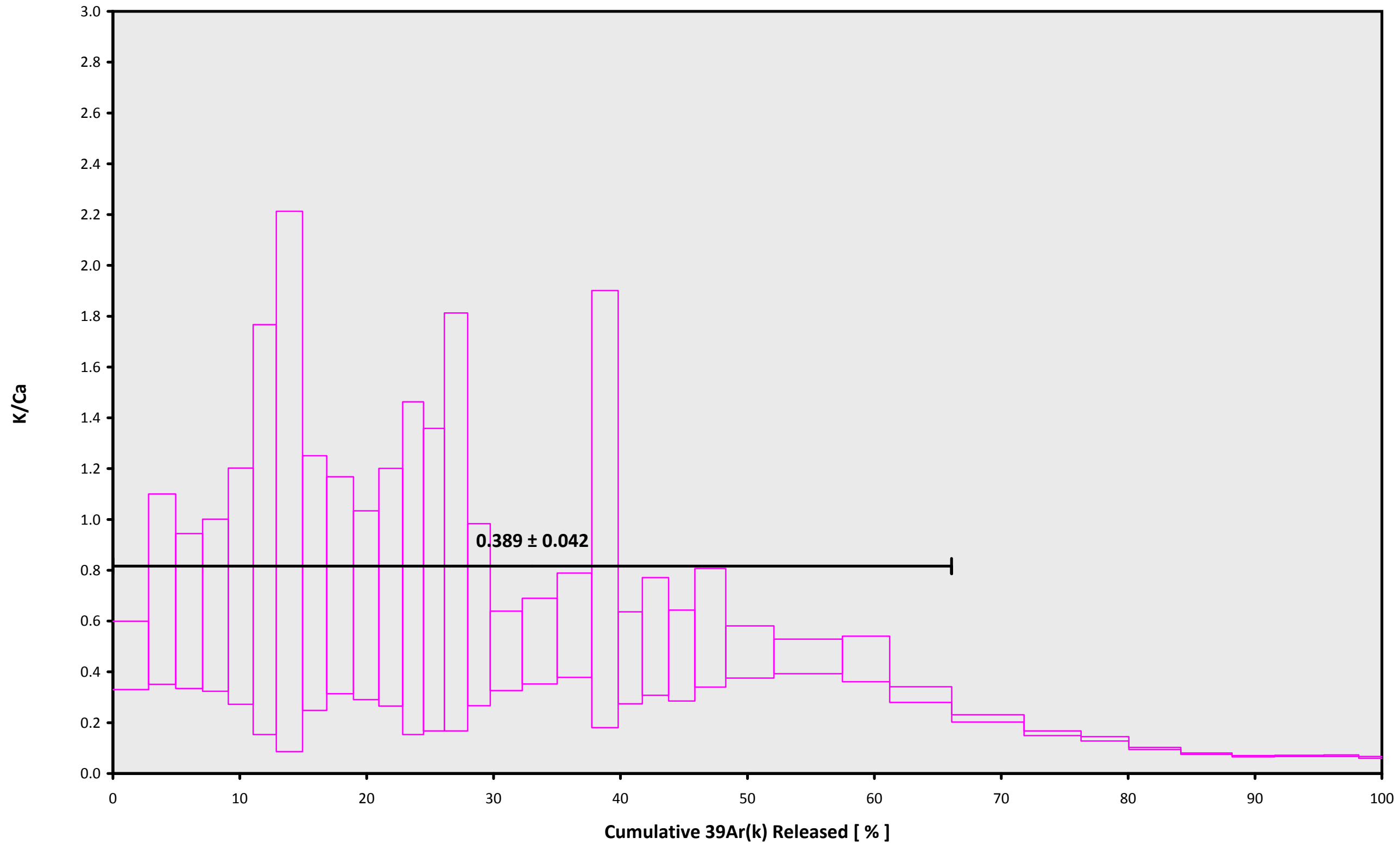
Rurutu Hotspot

Kevin Konrad

IRR = 14-OSU-02 (2A52-14)

J = $0.00172754 \pm 0.00000159$

14D28186.AGE >>> RR1310-D24-11 >>> FRENCH POLYNESIA | RURUTU (13-INT-08) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

48.17 ± 0.19

TOTAL FUSION

47.44 ± 0.36

NORMAL ISOCHRON

48.14 ± 0.31

INVERSE ISOCHRON

48.46 ± 0.29

Sample Info

Groundmass

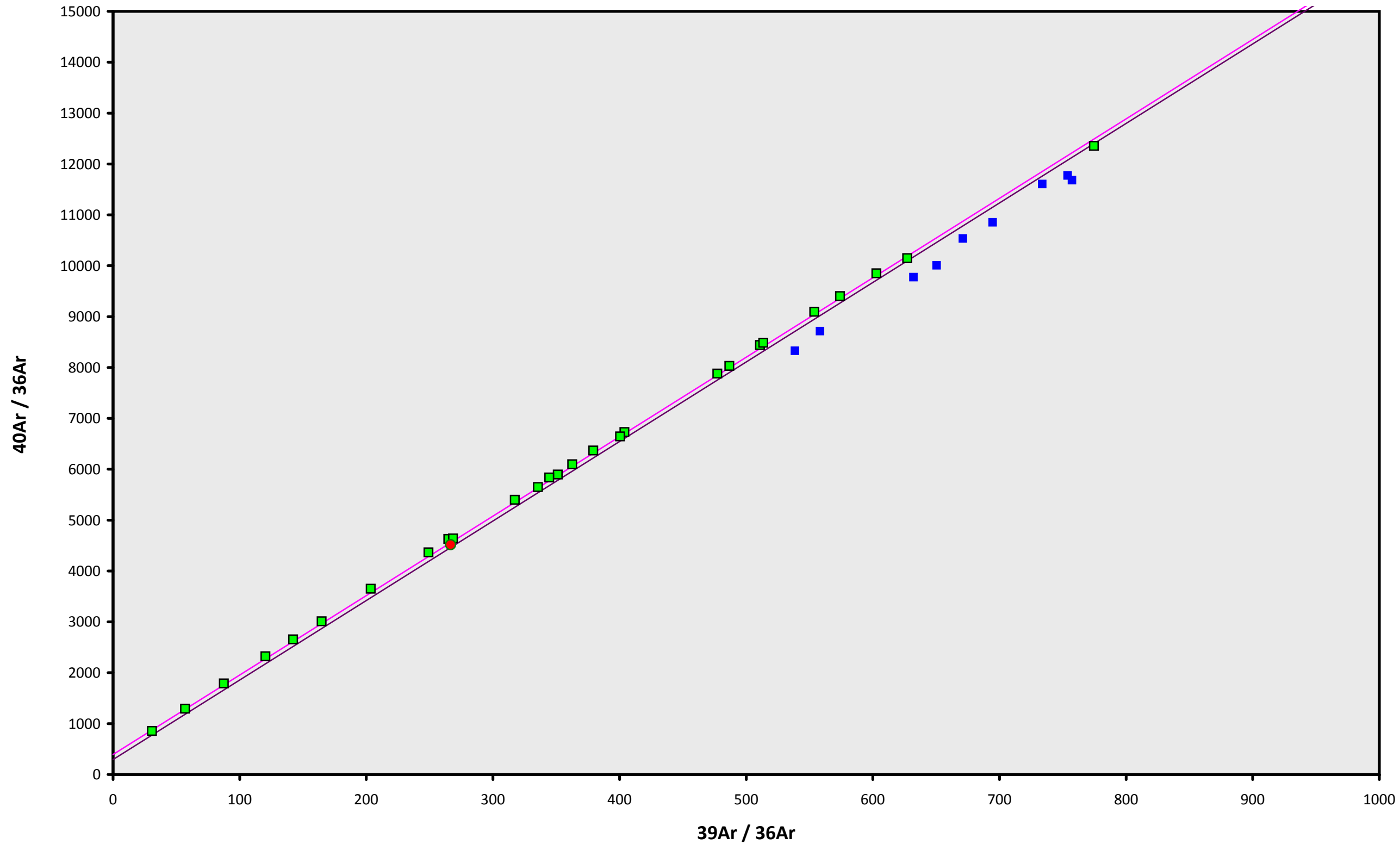
Rurutu Hotspot

Kevin Konrad

IRR = 14-OSU-02 (2A52-14)

J = $0.00172754 \pm 0.00000159$

14D28186.AGE >>> RR1310-D24-11 >>> FRENCH POLYNESIA | RURUTU (13-INT-08) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

48.17 ± 0.19

TOTAL FUSION

47.44 ± 0.36

NORMAL ISOCHRON

48.14 ± 0.31

INVERSE ISOCHRON

48.46 ± 0.29

MSWD (PROBABILITY)

16.40 (0%)

40AR/36AR INTERCEPT

392.6 ± 15.1

Sample Info

Groundmass

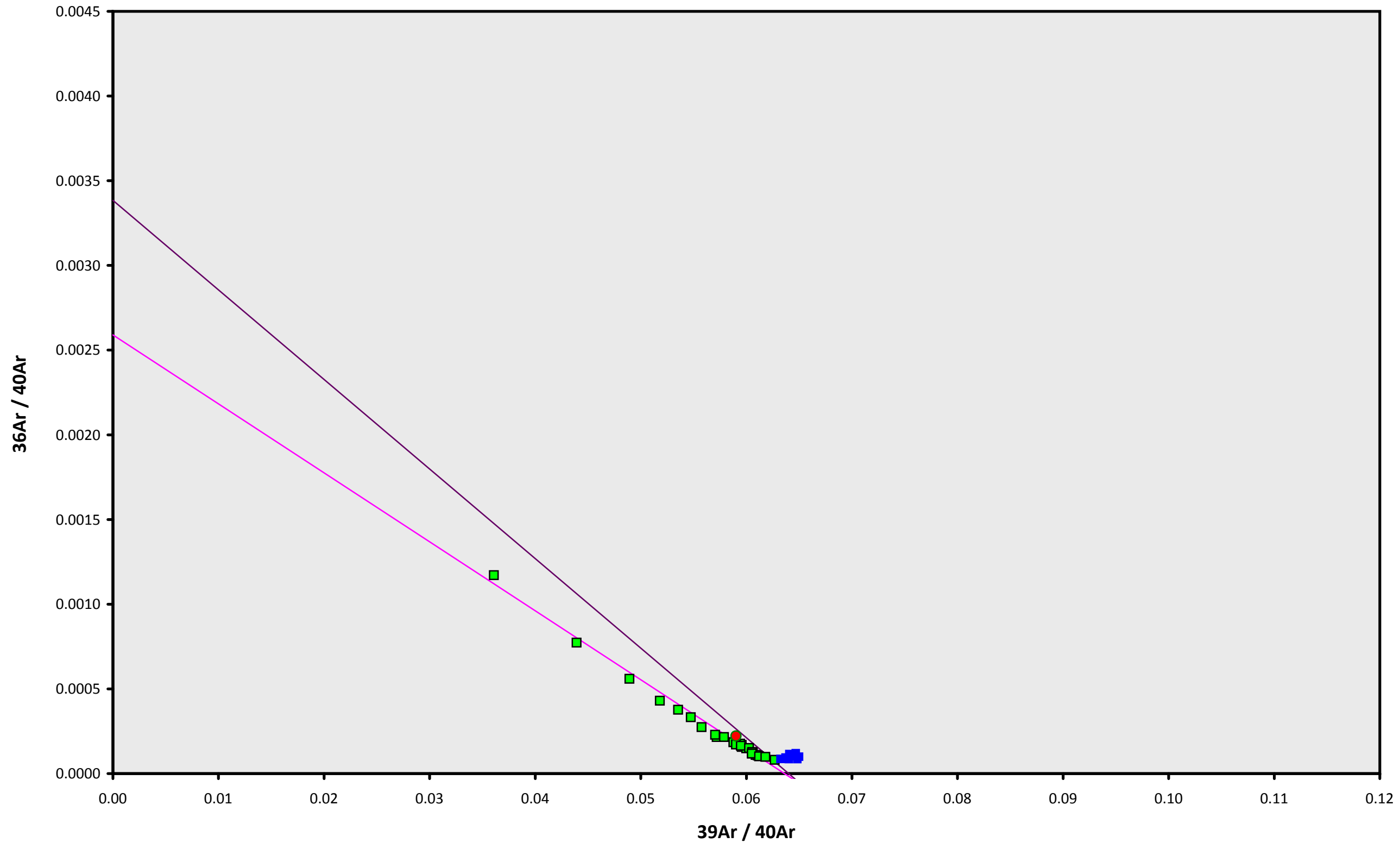
Rurutu Hotspot

Kevin Konrad

IRR = 14-OSU-02 (2A52-14)

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14D28186.AGE >>> RR1310-D24-11 >>> FRENCH POLYNESIA | RURUTU (13-INT-08) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
48.17 ± 0.19

TOTAL FUSION
47.44 ± 0.36

NORMAL ISOCHRON
48.14 ± 0.31

INVERSE ISOCHRON
48.46 ± 0.29

MSWD (PROBABILITY)
13.96 (0%)

SPREADING FACTOR
41.8%

40AR/36AR INTERCEPT
386.1 ± 14.0

Sample Info

Groundmass
Rurutu Hotspot
Kevin Konrad

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J = 0.00172754 ± 0.00000159