

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
16D10131	1.8 %	0.0276573	1.625	88.2049	0.560	0.1353653	17.724	13.99621	0.177	190.842	0.018	13.60133 ± 0.05254	43.18 ± 0.16	99.33	1.84	0.068 ± 0.001
16D10133	2.0 %	0.0165133	2.568	54.5002	0.741	0.0857225	28.314	8.52905	0.282	117.269	0.029	13.73562 ± 0.08393	43.60 ± 0.26	99.47	1.12	0.067 ± 0.001
16D10134	2.4 %	0.0357971	1.333	117.4657	0.522	0.2231645	10.804	18.40423	0.148	252.735	0.015	13.71525 ± 0.04405	43.54 ± 0.14	99.44	2.42	0.067 ± 0.001
16D10135	2.8 %	0.0995704	0.707	342.3615	0.440	0.6194811	3.765	53.87610	0.089	737.861	0.007	13.70448 ± 0.02612	43.51 ± 0.08	99.64	7.09	0.067 ± 0.001
16D10137	3.2 %	0.0963566	0.710	342.4881	0.441	0.6627295	3.576	53.88514	0.087	742.608	0.006	13.80855 ± 0.02594	43.83 ± 0.08	99.77	7.09	0.067 ± 0.001
16D10138	3.6 %	0.0870379	0.794	317.6521	0.444	0.6256558	3.866	50.27619	0.089	696.193	0.008	13.88847 ± 0.02675	44.08 ± 0.08	99.87	6.62	0.068 ± 0.001
16D10139	4.0 %	0.1110402	0.655	394.4887	0.439	0.7676945	3.324	62.71450	0.086	868.958	0.006	13.88276 ± 0.02543	44.07 ± 0.08	99.77	8.26	0.068 ± 0.001
16D10141	4.5 %	0.1091257	0.702	379.4489	0.440	0.7312138	3.210	60.51189	0.085	844.453	0.006	13.97109 ± 0.02542	44.34 ± 0.08	99.69	7.97	0.068 ± 0.001
16D10142	5.2 %	0.1003223	0.758	352.4286	0.441	0.6753562	3.416	56.28525	0.088	788.891	0.007	14.03756 ± 0.02664	44.55 ± 0.08	99.73	7.41	0.068 ± 0.001
16D10143	6.1 %	0.1647986	0.550	562.1158	0.435	1.1130520	2.168	90.62063	0.081	1277.120	0.005	14.09905 ± 0.02414	44.74 ± 0.08	99.62	11.93	0.069 ± 0.001
16D10145	7.3 %	0.1717452	0.537	528.2859	0.435	1.0346606	2.262	85.29835	0.081	1220.288	0.005	14.25434 ± 0.02460	45.23 ± 0.08	99.22	11.23	0.069 ± 0.001
16D10146	8.5 %	0.1636074	0.543	448.6970	0.437	0.8845887	2.793	72.31854	0.082	1046.265	0.005	14.34349 ± 0.02531	45.51 ± 0.08	98.73	9.52	0.069 ± 0.001
16D10147	9.7 %	✓ 0.1607518	0.572	378.1874	0.440	0.7509897	3.140	60.84395	0.085	891.947	0.006	14.42475 ± 0.02669	45.77 ± 0.08	97.98	8.01	0.069 ± 0.001
16D10149	11.0 %	✓ 0.0467516	1.159	120.1423	0.511	0.2504658	9.133	19.23041	0.141	280.066	0.014	14.39393 ± 0.04469	45.67 ± 0.14	98.42	2.53	0.069 ± 0.001
16D10150	12.4 %	✓ 0.0497288	1.093	114.3266	0.513	0.2668114	9.272	18.22411	0.140	267.812	0.014	14.44034 ± 0.04476	45.81 ± 0.14	97.85	2.40	0.068 ± 0.001
16D10151	14.0 %	✓ 0.0251805	1.895	60.9746	0.696	0.0866759	26.352	9.83852	0.229	143.285	0.022	14.35140 ± 0.07275	45.54 ± 0.23	98.13	1.30	0.069 ± 0.001
16D10153	15.8 %	✓ 0.0331813	1.475	58.5377	0.728	0.1507321	16.591	9.05094	0.253	134.855	0.026	14.38444 ± 0.08065	45.64 ± 0.25	96.12	1.19	0.066 ± 0.001
16D10154	18.0 %	✓ 0.0097469	4.170	21.7296	1.525	0.0329411	74.486	3.46361	0.658	50.186	0.060	14.20793 ± 0.20164	45.09 ± 0.63	97.64	0.46	0.068 ± 0.002
16D10156	20.5 %	✓ 0.0174723	2.441	35.6224	1.036	0.0511479	46.328	5.70108	0.408	84.113	0.040	14.39685 ± 0.12701	45.68 ± 0.40	97.17	0.75	0.069 ± 0.002
16D10157	22.5 %	✓ 0.0091242	4.443	20.5905	1.678	0.0376971	65.634	3.30584	0.683	48.494	0.059	14.40044 ± 0.21191	45.69 ± 0.66	97.76	0.44	0.069 ± 0.002
16D10159	24.5 %	✓ 0.0093882	4.430	19.9883	1.716	0.0177904	125.173	3.10840	0.755	45.717	0.068	14.37988 ± 0.23351	45.62 ± 0.73	97.35	0.41	0.067 ± 0.002
Σ		1.5448977	0.192	4758.2367	0.124	9.2039358	1.191	759.48293	0.025	10729.959	0.002					

Information on Analysis and Constants Used in Calculations

Project = RURUTU (13-INT-08)
 Sample = RR1310-D27-64
 Material = Plagioclase
 Location = Samoa
 Region = Pacific Ocean
 Analyst = Kevin Konrad
 Irradiation = 15-OSU-06 (6A10-15)
 Position = X: 0 | Y: 0 | Z/H: 22.12 mm
 FCT-NM Age = 28.201 ± 0.023 Ma
 FCT-NM Reference = Kuiper et al (2008)
 FCT-NM 40Ar/39Ar Ratio = 8.84550 ± 0.01230
 FCT-NM J-value = 0.00177688 ± 0.00000247
 Air Shot 40Ar/36Ar = 304.9370 ± 0.6068
 Air Shot MDF = 0.99225316 ± 0.00075069 (LIN)
 Experiment Type = Incremental Heating
 Extraction Method = Bulk Laser Heating
 Heating = 77 sec
 Isolation = 1.50 min
 Instrument = ARGUS-VI-D
 Preferred Age = Plateau Age
 Age Classification = Eruption Age
 IGSN = IEKK1-RR1310-D27-64
 Rock Class = Igneous>Volcanic>Mafic
 Lithology = Basalt
 Lat-Lon = 11°00.6'S - 179°47.3'E

Age Equations = Min et al. (2000)
 Negative Intensities = Allowed
 Collector Calibrations = 36Ar
 Decay 40K = 5.530 ± 0.048 E-10 1/a
 Decay 39Ar = 2.940 ± 0.016 E-07 1/h
 Decay 37Ar = 8.230 ± 0.012 E-04 1/h
 Decay 36Cl = 2.257 ± 0.015 E-06 1/a
 Decay 40K(EC,β⁺) = 0.580 ± 0.009 E-10 1/a
 Decay 40K(β⁻) = 4.950 ± 0.043 E-10 1/a
 Atmospheric 40/36(a) = 295.50
 Atmospheric 38/36(a) = 0.1869
 Production 39/37(ca) = 0.0006756 ± 0.0000089
 Production 38/37(ca) = 0.0000718 ± 0.0000092
 Production 36/37(ca) = 0.0002663 ± 0.0000004
 Production 40/39(k) = 0.003823 ± 0.000102
 Production 38/39(k) = 0.012031 ± 0.000019
 Production 36/38(cl) = 262.80 ± 1.71
 Scaling Ratio K/Ca = 0.430
 Abundance Ratio 40K/K = 1.1700 ± 0.0100 E-04
 Atomic Weight K = 39.0983 ± 0.0001 g

Results

	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (%n)	K/Ca ± 2σ
Age Plateau		14.41217 ± 0.02153 ± 0.15%	45.73 ± 0.14 ± 0.31%	1.33 22%	17.48 9	0.068 ± 0.001
		Full External Error ± 1.04 Analytical Error ± 0.07		2.00 1.1540	2σ Confidence Limit Error Magnification	
Total Fusion Age		14.07568 ± 0.00770 ± 0.05%	44.67 ± 0.13 ± 0.28%		21	0.068 ± 0.000
		Full External Error ± 1.01 Analytical Error ± 0.02				
Normal Isochron	302.57 ± 93.90 ± 31.04%	14.40327 ± 0.09906 ± 0.69%	45.70 ± 0.33 ± 0.73%	1.60 13%	17.48 9	
		Full External Error ± 1.08 Analytical Error ± 0.31		2.07 1.2662	2σ Confidence Limit Error Magnification	
				0.0000423614	1 Convergence	
Inverse Isochron	293.06 ± 86.10 ± 29.38%	14.41484 ± 0.09634 ± 0.67%	45.73 ± 0.33 ± 0.71%	1.50 16%	17.48 9	
Clustered Points		Full External Error ± 1.08 Analytical Error ± 0.30		2.07 1.2265	2σ Confidence Limit Error Magnification	
Notes				0.0000810565	3 Convergence	
		An odd plateau for a plagioclase, it appears that it is partly degassed by a non-atmospheric fluid until high temperature steps. The eventually (albiet short) plateau is in agreement with amphibole from the same sample.		3%	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
16D10131	1.8 %	0.0041683	88.2049	0.0000000	13.93662	189.557	43.18 ± 0.16	99.33	1.84	0.068 ± 0.001
16D10133	2.0 %	0.0019999	54.5002	0.0000000	8.49223	116.646	43.60 ± 0.26	99.47	1.12	0.067 ± 0.001
16D10134	2.4 %	0.0045160	117.4657	0.0000000	18.32487	251.330	43.54 ± 0.14	99.44	2.42	0.067 ± 0.001
16D10135	2.8 %	0.0083996	342.3615	0.0000000	53.64480	735.174	43.51 ± 0.08	99.64	7.09	0.067 ± 0.001
16D10137	3.2 %	0.0051520	342.4881	0.0000000	53.65376	740.880	43.83 ± 0.08	99.77	7.09	0.067 ± 0.001
16D10138	3.6 %	0.0024472	317.6521	0.0001000	50.06158	695.279	44.08 ± 0.08	99.87	6.62	0.068 ± 0.001
16D10139	4.0 %	0.0059879	394.4887	0.0000000	62.44798	866.950	44.07 ± 0.08	99.77	8.26	0.068 ± 0.001
16D10141	4.5 %	0.0080785	379.4489	0.0000000	60.25553	841.835	44.34 ± 0.08	99.69	7.97	0.068 ± 0.001
16D10142	5.2 %	0.0064706	352.4286	0.0000000	56.04715	786.765	44.55 ± 0.08	99.73	7.41	0.068 ± 0.001
16D10143	6.1 %	0.0151072	562.1158	0.0000000	90.24087	1272.311	44.74 ± 0.08	99.62	11.93	0.069 ± 0.001
16D10145	7.3 %	0.0310627	528.2859	0.0000000	84.94144	1210.784	45.23 ± 0.08	99.22	11.23	0.069 ± 0.001
16D10146	8.5 %	0.0441193	448.6970	0.0000000	72.01540	1032.952	45.51 ± 0.08	98.73	9.52	0.069 ± 0.001
16D10147	9.7 %	✓ 0.0600405	378.1874	0.0000000	60.58844	873.973	45.77 ± 0.08	97.98	8.01	0.069 ± 0.001
16D10149	11.0 %	✓ 0.0147559	120.1423	0.0086972	19.14924	275.633	45.67 ± 0.14	98.42	2.53	0.069 ± 0.001
16D10150	12.4 %	✓ 0.0192760	114.3266	0.0366750	18.14687	262.047	45.81 ± 0.14	97.85	2.40	0.068 ± 0.001
16D10151	14.0 %	✓ 0.0089429	60.9746	0.0000000	9.79733	140.605	45.54 ± 0.23	98.13	1.30	0.069 ± 0.001
16D10153	15.8 %	✓ 0.0175855	58.5377	0.0348263	9.01139	129.624	45.64 ± 0.25	96.12	1.19	0.066 ± 0.001
16D10154	18.0 %	✓ 0.0039603	21.7296	0.0000000	3.44893	49.002	45.09 ± 0.63	97.64	0.46	0.068 ± 0.002
16D10156	20.5 %	✓ 0.0079860	35.6224	0.0000000	5.67701	81.731	45.68 ± 0.40	97.17	0.75	0.069 ± 0.002
16D10157	22.5 %	✓ 0.0036409	20.5905	0.0000000	3.29193	47.405	45.69 ± 0.66	97.76	0.44	0.069 ± 0.002
16D10159	24.5 %	✓ 0.0040653	19.9883	0.0000000	3.09490	44.504	45.62 ± 0.73	97.35	0.41	0.067 ± 0.002
Σ		0.2777625	4758.2367	0.0802986	756.26827	10644.989				

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-D27-64 Material = Plagioclase Location = Samoa Region = Pacific Ocean Analyst = Kevin Konrad Irradiation = 15-OSU-06 (6A10-15) J = 0.00177688 ± 0.00000247 FCT-NM = 28.201 ± 0.023 Ma	Age Plateau	14.41217 ± 0.02153 ± 0.15%	45.73 ± 0.14 ± 0.31%	1.33 22%	17.48 9	0.068 ± 0.001
			Full External Error ± 1.04 Analytical Error ± 0.07	2.00 1.1540	2σ Confidence Limit Error Magnification	
	Total Fusion Age	14.07568 ± 0.00770 ± 0.05%	44.67 ± 0.13 ± 0.28%		21	0.068 ± 0.000
			Full External Error ± 1.01 Analytical Error ± 0.02			

Normal Isochron		39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
16D10131	1.8 %	3343.47 ± 753.27	45771.13 ± 10310.82	0.9999
16D10133	2.0 %	4246.38 ± 1860.11	58622.21 ± 25677.08	0.9999
16D10134	2.4 %	4057.75 ± 910.31	55948.54 ± 12550.28	0.9999
16D10135	2.8 %	6386.61 ± 1249.26	87820.72 ± 17177.57	1.0000
16D10137	3.2 %	10414.13 ± 3256.83	144099.56 ± 45063.85	1.0000
16D10138	3.6 %	20457.06 ± 13321.37	284412.73 ± 185205.10	1.0000
16D10139	4.0 %	10429.08 ± 3052.06	145079.93 ± 42456.74	1.0000
16D10141	4.5 %	7458.79 ± 1659.69	104502.96 ± 23252.81	1.0000
16D10142	5.2 %	8661.81 ± 2347.76	121886.19 ± 33036.18	1.0000
16D10143	6.1 %	5973.37 ± 900.39	84514.32 ± 12738.48	0.9999
16D10145	7.3 %	2734.51 ± 198.56	39274.20 ± 2851.07	0.9997
16D10146	8.5 %	1632.29 ± 77.49	23708.19 ± 1124.83	0.9994
16D10147	9.7 % ✓	1009.13 ± 34.74	14851.90 ± 510.71	0.9988
16D10149	11.0 % ✓	1297.74 ± 99.99	18975.01 ± 1461.00	0.9993
16D10150	12.4 % ✓	941.42 ± 55.46	13889.96 ± 817.40	0.9989
16D10151	14.0 % ✓	1095.54 ± 120.39	16018.01 ± 1758.70	0.9991
16D10153	15.8 % ✓	512.43 ± 29.43	7666.58 ± 438.60	0.9960
16D10154	18.0 % ✓	870.87 ± 183.33	12668.71 ± 2661.73	0.9980
16D10156	20.5 % ✓	710.87 ± 78.19	10529.73 ± 1154.99	0.9972
16D10157	22.5 % ✓	904.15 ± 206.89	13315.63 ± 3041.49	0.9982
16D10159	24.5 % ✓	761.29 ± 159.91	11242.81 ± 2355.45	0.9974

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	302.57 ± 93.90 ± 31.04%	14.40327 ± 0.09906 ± 0.69%	45.70 ± 0.33 ± 0.73%	1.60 13%
			Full External Error ± 1.08 Analytical Error ± 0.31	
Statistics	2σ Confidence Limit Error Magnification Number of Data Points	2.07 1.2662 9	Convergence Number of Iterations Calculated Line	0.000042361390 1 Weighted York-2

Inverse Isochron		39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
16D10131	1.8 %	0.0730475 ± 0.0002611	0.00002185 ± 0.00000492	0.0002
16D10133	2.0 %	0.0724364 ± 0.0004123	0.00001706 ± 0.00000747	0.0001
16D10134	2.4 %	0.0725265 ± 0.0002163	0.00001787 ± 0.00000401	0.0001
16D10135	2.8 %	0.0727233 ± 0.0001300	0.00001139 ± 0.00000223	0.0001
16D10137	3.2 %	0.0722704 ± 0.0001276	0.00000694 ± 0.00000217	0.0000
16D10138	3.6 %	0.0719274 ± 0.0001297	0.00000352 ± 0.00000229	0.0000
16D10139	4.0 %	0.0718851 ± 0.0001245	0.00000689 ± 0.00000202	0.0000
16D10141	4.5 %	0.0713740 ± 0.0001218	0.00000957 ± 0.00000213	0.0000
16D10142	5.2 %	0.0710647 ± 0.0001265	0.00000820 ± 0.00000222	0.0000
16D10143	6.1 %	0.0706788 ± 0.0001151	0.00001183 ± 0.00000178	0.0000
16D10145	7.3 %	0.0696262 ± 0.0001139	0.00002546 ± 0.00000185	0.0001
16D10146	8.5 %	0.0688491 ± 0.0001143	0.00004218 ± 0.00000200	0.0001
16D10147	9.7 % ✓	0.0679460 ± 0.0001164	0.00006733 ± 0.00000232	0.0003
16D10149	11.0 % ✓	0.0683918 ± 0.0001953	0.00005270 ± 0.00000406	0.0003
16D10150	12.4 % ✓	0.0677772 ± 0.0001913	0.00007199 ± 0.00000424	0.0004
16D10151	14.0 % ✓	0.0683941 ± 0.0003166	0.00006243 ± 0.00000685	0.0004
16D10153	15.8 % ✓	0.0668400 ± 0.0003418	0.00013044 ± 0.00000746	0.0009
16D10154	18.0 % ✓	0.0687415 ± 0.0009124	0.00007893 ± 0.00001658	0.0005
16D10156	20.5 % ✓	0.0675104 ± 0.0005557	0.00009497 ± 0.00001042	0.0007
16D10157	22.5 % ✓	0.0679013 ± 0.0009350	0.00007510 ± 0.00001715	0.0004
16D10159	24.5 % ✓	0.0677138 ± 0.0010305	0.00008895 ± 0.00001863	0.0006

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	293.06 ± 86.10	14.41484 ± 0.09634	45.73 ± 0.33	1.50
Clustered Points	± 29.38%	± 0.67%	± 0.71%	16%
			Full External Error ± 1.08	
			Analytical Error ± 0.30	
Statistics	2σ Confidence Limit	2.07	Convergence	0.0000810565
	Error Magnification	1.2265	Number of Iterations	3
	Number of Data Points	9	Calculated Line	Weighted York-2
	Spreading Factor	2.7%		

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
16D10131	1.8 %	0.0041683	11.26	0.0000000	0.00	0.0234890	0.58	0.0000000	0.00	88.2049	0.56	0.0007791	11.26	0.0000000	0.00	0.1676715	0.24	0.0063331	12.83	0.0000000	0.00	13.93662	0.18	0.0595912	1.43	189.557	0.08	1.231737	11.26	0.0000000	0.00	0.0532797	2.67
16D10133	2.0 %	0.0019999	21.90	0.0000000	0.00	0.0145134	0.76	0.0000000	0.00	54.5002	0.74	0.0003738	21.90	0.0000000	0.00	0.1021700	0.33	0.0039131	12.84	0.0000000	0.00	8.49223	0.28	0.0368203	1.51	116.646	0.11	0.590962	21.90	0.0000000	0.00	0.0324658	2.68
16D10134	2.4 %	0.0045160	11.22	0.0000000	0.00	0.0312811	0.54	0.0000000	0.00	117.4657	0.52	0.0008440	11.22	0.0000000	0.00	0.2204665	0.22	0.0084340	12.83	0.0000000	0.00	18.32487	0.15	0.0793598	1.42	251.330	0.06	1.334483	11.22	0.0000000	0.00	0.0700560	2.66
16D10135	2.8 %	0.0083996	9.78	0.0000000	0.00	0.0911709	0.46	0.0000000	0.00	342.3615	0.44	0.0015699	9.78	0.0000000	0.00	0.6454005	0.18	0.0245816	12.83	0.0000000	0.00	53.64480	0.09	0.2312994	1.39	735.174	0.03	2.482073	9.78	0.0000000	0.00	0.2050841	2.66
16D10137	3.2 %	0.0051520	15.64	0.0000000	0.00	0.0912046	0.47	0.0000000	0.00	342.4881	0.44	0.0009629	15.64	0.0000000	0.00	0.6455084	0.18	0.0245906	12.83	0.0000000	0.00	53.65376	0.09	0.2313850	1.39	740.880	0.03	1.522420	15.64	0.0000000	0.00	0.2051183	2.66
16D10138	3.6 %	0.0024472	32.56	0.0000000	0.00	0.0845908	0.47	0.0000000	#####	317.6521	0.44	0.0004574	32.56	0.0000000	0.00	0.6022909	0.18	0.0228074	12.83	0.0001000	#####	50.06158	0.09	0.2146058	1.39	695.279	0.03	0.723134	32.56	0.0000000	0.00	0.1913854	2.66
16D10139	4.0 %	0.0059879	14.63	0.0000000	0.00	0.1050523	0.46	0.0000000	0.00	394.4887	0.44	0.0011191	14.63	0.0000000	0.00	0.7513117	0.18	0.0283243	12.83	0.0000000	0.00	62.44798	0.09	0.2665166	1.39	866.950	0.03	1.769415	14.63	0.0000000	0.00	0.2387386	2.66
16D10141	4.5 %	0.0080785	11.13	0.0000000	0.00	0.1010473	0.47	0.0000000	0.00	379.4489	0.44	0.0015099	11.13	0.0000000	0.00	0.7249343	0.18	0.0272444	12.83	0.0000000	0.00	60.25553	0.09	0.2563557	1.39	841.835	0.03	2.387183	11.13	0.0000000	0.00	0.2303569	2.66
16D10142	5.2 %	0.0064706	13.55	0.0000000	0.00	0.0938517	0.47	0.0000000	0.00	352.4286	0.44	0.0012094	13.55	0.0000000	0.00	0.6743032	0.18	0.0253044	12.83	0.0000000	0.00	56.04715	0.09	0.2381008	1.39	786.765	0.03	1.912063	13.55	0.0000000	0.00	0.2142682	2.66
16D10143	6.1 %	0.0151072	7.54	0.0000000	0.00	0.1496914	0.46	0.0000000	0.00	562.1158	0.43	0.0028235	7.54	0.0000000	0.00	1.0856879	0.18	0.0403599	12.83	0.0000000	0.00	90.24087	0.08	0.3797654	1.39	1272.311	0.03	4.464179	7.54	0.0000000	0.00	0.3449908	2.66
16D10145	7.3 %	0.0310627	3.63	0.0000000	0.00	0.1406825	0.46	0.0000000	0.00	528.2859	0.44	0.0058056	3.63	0.0000000	0.00	1.0219304	0.18	0.0379309	12.83	0.0000000	0.00	84.94144	0.08	0.3569099	1.39	1210.784	0.03	9.179030	3.63	0.0000000	0.00	0.3247311	2.66
16D10146	8.5 %	0.0441193	2.37	0.0000000	0.00	0.1194880	0.46	0.0000000	0.00	448.6970	0.44	0.0082459	2.37	0.0000000	0.00	0.8664173	0.18	0.0322164	12.83	0.0000000	0.00	72.01540	0.08	0.3031397	1.39	1032.952	0.03	13.037262	2.37	0.0000000	0.00	0.2753149	2.66
16D10147	9.7 %	✓ 0.0600405	1.72	0.0000000	0.00	0.1007113	0.47	0.0000000	0.00	378.1874	0.44	0.0112216	1.72	0.0000000	0.00	0.7289396	0.18	0.0271539	12.83	0.0000000	0.00	60.58844	0.09	0.2555034	1.39	873.973	0.04	17.741961	1.72	0.0000000	0.00	0.2316296	2.66
16D10149	11.0 %	✓ 0.0147559	3.85	0.0000000	0.00	0.0319939	0.53	0.0000018	263.40	120.1423	0.51	0.0027579	3.85	0.0000000	0.00	0.2303845	0.21	0.0086262	12.83	0.0086972	263.40	19.14924	0.14	0.0811681	1.42	275.633	0.06	4.360365	3.85	0.0000000	0.00	0.0732075	2.66
16D10150	12.4 %	✓ 0.0192760	2.94	0.0000000	0.00	0.0304452	0.53	0.0000077	67.54	114.3266	0.51	0.0036027	2.94	0.0000000	0.00	0.2183250	0.21	0.0082086	12.83	0.0366750	67.54	18.14687	0.14	0.0772390	1.42	262.047	0.07	5.696060	2.94	0.0000000	0.00	0.0693755	2.66
16D10151	14.0 %	✓ 0.0089429	5.49	0.0000000	0.00	0.0162375	0.71	0.0000000	0.00	60.9746	0.70	0.0016714	5.49	0.0000000	0.00	0.1178716	0.28	0.0043780	12.84	0.0000000	0.00	9.79733	0.23	0.0411944	1.49	140.605	0.11	2.642637	5.49	0.0000000	0.00	0.0374552	2.67
16D10153	15.8 %	✓ 0.0175855	2.86	0.0000000	0.00	0.0155886	0.74	0.0000073	71.84	58.5377	0.73	0.0032867	2.86	0.0000000	0.00	0.1084160	0.30	0.0042030	12.84	0.0348263	71.85	9.01139	0.25	0.0395481	1.51	129.624	0.12	5.196503	2.86	0.0000000	0.00	0.0344505	2.67
16D10154	18.0 %	✓ 0.0039603	10.50	0.0000000	0.00	0.0057866	1.53	0.0000000	0.00	21.7296	1.53	0.0007402	10.50	0.0000000	0.00	0.0414940	0.68	0.0015602	12.91	0.0000000	0.00	3.44893	0.66	0.0146805	2.02	49.002	0.26	1.170280	10.50	0.0000000	0.00	0.0131852	2.74
16D10156	20.5 %	✓ 0.0079860	5.48	0.0000000	0.00	0.0094862	1.05	0.0000000	0.00	35.6224	1.04	0.0014926	5.48	0.0000000	0.00	0.0683001	0.44	0.0025577	12.86	0.0000000	0.00	5.67701	0.41	0.0240665	1.68	81.731	0.16	2.359877	5.48	0.0000000	0.00	0.0217032	2.69
16D10157	22.5 %	✓ 0.0036409	11.42	0.0000000	0.00	0.0054833	1.69	0.0000000	0.00	20.5905	1.68	0.0006805	11.42	0.0000000	0.00	0.0396052	0.70	0.0014784	12.93	0.0000000	0.00	3.29193	0.69	0.0139110	2.14	47.405	0.27	1.075892	11.42	0.0000000	0.00	0.0125850	2.75
16D10159	24.5 %	✓ 0.0040653	10.48	0.0000000	0.00	0.0053229	1.72	0.0000000	0.00	19.9883	1.72	0.0007598	10.48	0.0000000	0.00	0.0372347	0.77	0.0014352	12.93	0.0000000	0.00	3.09490	0.76	0.0135041	2.16	44.504	0.29	1.201301	10.48	0.0000000	0.00	0.0118318	2.77
		Σ 0.2777625	1.22	0.0000000	0.00	1.2671184	0.13	0.0000168	60.48	4758.2367	0.12	0.0519138	1.22	0.0000000	0.00	9.0986635	0.05	0.3416414	3.58	0.0802986	60.49	756.26827	0.03	3.2146647	0.39	10644.989	0.01	82.078820	1.22	0.0000000	0.00	2.8912136	0.74
		Σ						1.5448977	0.24	4758.2367	0.12									9.5725173	0.53			759.48293	0.03							10729.959	0.01

Additional Parameters		40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
16D10131	1.8 %	13.635236	0.024254	6.302056	0.036991	0.001976	0.000032	128.406	12.663809	1.00090733	9.160E-12
16D10133	2.0 %	13.749418	0.038957	6.389950	0.050631	0.001936	0.000050	128.418	12.666762	1.00090741	5.629E-12
16D10134	2.4 %	13.732424	0.020372	6.382537	0.034632	0.001945	0.000026	128.424	12.668152	1.00090745	1.213E-11
16D10135	2.8 %	13.695525	0.012165	6.354608	0.028521	0.001848	0.000013	128.430	12.669716	1.00090749	3.542E-11
16D10137	3.2 %	13.781311	0.012084	6.355891	0.028577	0.001788	0.000013	128.442	12.672671	1.00090758	3.565E-11
16D10138	3.6 %	13.847376	0.012402	6.318142	0.028612	0.001731	0.000014	128.447	12.674062	1.00090762	3.342E-11
16D10139	4.0 %	13.855779	0.011915	6.290231	0.028164	0.001771	0.000012	128.453	12.675453	1.00090766	4.171E-11
16D10141	4.5 %	13.955154	0.011827	6.270651	0.028107	0.001803	0.000013	128.465	12.678409	1.00090774	4.053E-11
16D10142	5.2 %	14.015954	0.012392	6.261474	0.028176	0.001782	0.000014	128.471	12.679974	1.00090778	3.787E-11
16D10143	6.1 %	14.093038	0.011396	6.202955	0.027427	0.001819	0.000010	128.476	12.681365	1.00090782	6.130E-11
16D10145	7.3 %	14.306113	0.011621	6.193389	0.027422	0.002013	0.000011	128.488	12.684323	1.00090791	5.857E-11
16D10146	8.5 %	14.467452	0.011926	6.204454	0.027619	0.002262	0.000012	128.494	12.685889	1.00090795	5.022E-11
16D10147	9.7 %	✓ 14.659580	0.012477	6.215695	0.027873	0.002642	0.000015	128.500	12.687281	1.00090799	4.281E-11
16D10149	11.0 %	✓ 14.563725	0.020688	6.247517	0.033130	0.002431	0.000028	128.512	12.690240	1.00090807	1.344E-11
16D10150	12.4 %	✓ 14.695496	0.020636	6.273368	0.033340	0.002729	0.000030	128.518	12.691806	1.00090812	1.285E-11
16D10151	14.0 %	✓ 14.563722	0.033560	6.197534	0.045432	0.002559	0.000049	128.524	12.693199	1.00090816	6.878E-12
16D10153	15.8 %	✓ 14.899535	0.037919	6.467585	0.049849	0.003666	0.000055	128.535	12.696159	1.00090824	6.473E-12
16D10154	18.0 %	✓ 14.489392	0.095743	6.273686	0.104227	0.002814	0.000119	128.542	12.697727	1.00090828	2.409E-12
16D10156	20.5 %	✓ 14.753813	0.060463	6.248360	0.069573	0.003065	0.000076	128.553	12.700688	1.00090837	4.037E-12
16D10157	22.5 %	✓ 14.669104	0.100562	6.228533	0.112864	0.002760	0.000124	128.559	12.702082	1.00090841	2.328E-12
16D10159	24.5 %	✓ 14.707679	0.111424	6.430403	0.120532	0.003020	0.000136	128.571	12.705044	1.00090849	2.194E-12

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
16D10131	1.8 %	0.0033916 ± 0.0003260	0.0009199 ± 0.0177286	0.0359871 ± 0.0166568	0.0114844 ± 0.0152001	0.9046002 ± 0.0222233
16D10133	2.0 %	0.0032320 ± 0.0003260	0.0180255 ± 0.0177286	0.0254676 ± 0.0166568	0.0085103 ± 0.0152001	0.8942231 ± 0.0222233
16D10134	2.4 %	0.0032049 ± 0.0003260	0.0247439 ± 0.0177286	0.0223380 ± 0.0166568	0.0067483 ± 0.0152001	0.8995326 ± 0.0222233
16D10135	2.8 %	0.0032016 ± 0.0003260	0.0312535 ± 0.0177286	0.0198940 ± 0.0166568	0.0046924 ± 0.0152001	0.9104102 ± 0.0222233
16D10137	3.2 %	0.0032497 ± 0.0003260	0.0404878 ± 0.0177286	0.0175913 ± 0.0166568	0.0010846 ± 0.0152001	0.9380287 ± 0.0222233
16D10138	3.6 %	0.0032872 ± 0.0003260	0.0434533 ± 0.0177286	0.0172371 ± 0.0166568	0.0003054 ± 0.0152001	0.9514844 ± 0.0222233
16D10139	4.0 %	0.0033289 ± 0.0003260	0.0455513 ± 0.0177286	0.0171794 ± 0.0166568	0.0014081 ± 0.0152001	0.9638230 ± 0.0222233
16D10141	4.5 %	0.0034171 ± 0.0003260	0.0472315 ± 0.0177286	0.0175821 ± 0.0166568	0.0025891 ± 0.0152001	0.9828028 ± 0.0222233
16D10142	5.2 %	0.0034568 ± 0.0003260	0.0466727 ± 0.0177286	0.0178745 ± 0.0166568	0.0025006 ± 0.0152001	0.9874121 ± 0.0222233
16D10143	6.1 %	0.0034850 ± 0.0003260	0.0453953 ± 0.0177286	0.0180879 ± 0.0166568	0.0019896 ± 0.0152001	0.9878235 ± 0.0222233
16D10145	7.3 %	0.0035162 ± 0.0003260	0.0404839 ± 0.0177286	0.0182181 ± 0.0166568	0.0004047 ± 0.0152001	0.9767528 ± 0.0222233
16D10146	8.5 %	0.0035149 ± 0.0003260	0.0368318 ± 0.0177286	0.0180630 ± 0.0166568	0.0023241 ± 0.0152001	0.9646428 ± 0.0222233
16D10147	9.7 %	0.0035029 ± 0.0003260	0.0330795 ± 0.0177286	0.0177974 ± 0.0166568	0.0043439 ± 0.0152001	0.9507566 ± 0.0222233
16D10149	11.0 %	0.0034462 ± 0.0003260	0.0239056 ± 0.0177286	0.0169541 ± 0.0166568	0.0093146 ± 0.0152001	0.9142999 ± 0.0222233
16D10150	12.4 %	0.0034016 ± 0.0003260	0.0186221 ± 0.0177286	0.0164719 ± 0.0166568	0.0121089 ± 0.0152001	0.8932818 ± 0.0222233
16D10151	14.0 %	0.0033557 ± 0.0003260	0.0138273 ± 0.0177286	0.0161202 ± 0.0166568	0.0145393 ± 0.0152001	0.8751458 ± 0.0222233
16D10153	15.8 %	0.0032499 ± 0.0003260	0.0038510 ± 0.0177286	0.0160311 ± 0.0166568	0.0189771 ± 0.0152001	0.8443564 ± 0.0222233
16D10154	18.0 %	0.0031965 ± 0.0003260	0.0010033 ± 0.0177286	0.0166280 ± 0.0166568	0.0205730 ± 0.0152001	0.8362119 ± 0.0222233
16D10156	20.5 %	0.0031225 ± 0.0003260	0.0085555 ± 0.0177286	0.0197914 ± 0.0166568	0.0211928 ± 0.0152001	0.8471186 ± 0.0222233
16D10157	22.5 %	0.0031091 ± 0.0003260	0.0110638 ± 0.0177286	0.0225472 ± 0.0166568	0.0200076 ± 0.0152001	0.8686127 ± 0.0222233
16D10159	24.5 %	0.0031545 ± 0.0003260	0.0132827 ± 0.0177286	0.0321410 ± 0.0166568	0.0131991 ± 0.0152001	0.9622754 ± 0.0222233

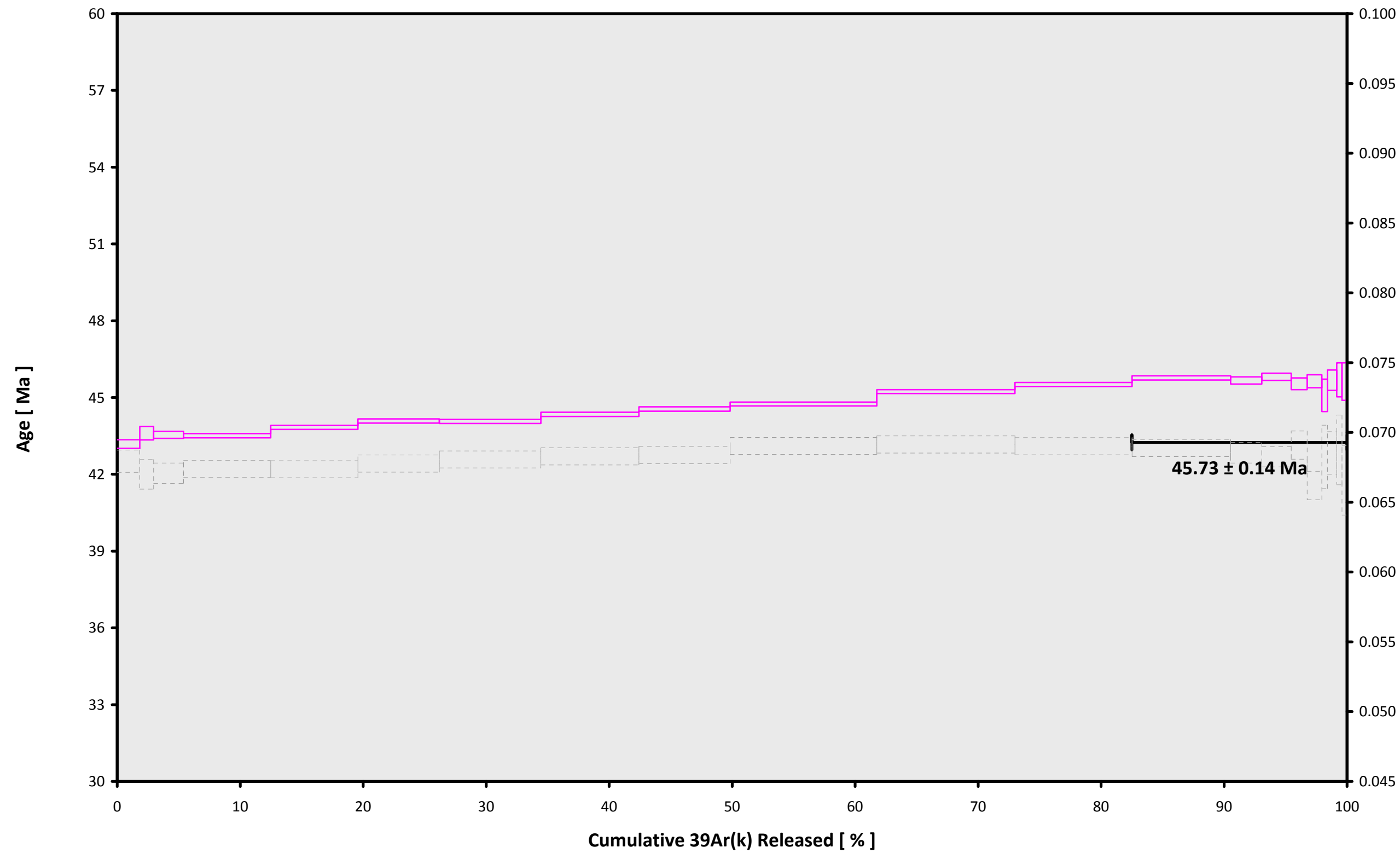
Intercept Values		36Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	37Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	38Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	39Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	40Ar ± 1σ (SE) [fA]	r2	Regression (type,n)
16D10131	1.8 %	0.0295044 ± 0.0002592	0.7928	EXP 150 of 150	6.8025621 ± 0.0167371	0.8397	EXP 150 of 150	0.1692555 ± 0.0167468	0.0015	EXP 150 of 150	13.8639237 ± 0.0161825	0.9693	EXP 150 of 150	191.746288 ± 0.026960	0.9969	EXP 150 of 150
16D10133	2.0 %	0.0188232 ± 0.0002273	0.8026	EXP 150 of 150	4.1847386 ± 0.0181081	0.6494	EXP 150 of 150	0.1098621 ± 0.0171323	0.0000	EXP 150 of 150	8.4469170 ± 0.0172035	0.8955	EXP 150 of 150	118.163632 ± 0.026373	0.9685	EXP 150 of 150
16D10134	2.4 %	0.0370031 ± 0.0002928	0.7552	EXP 149 of 150	9.0325933 ± 0.0201472	0.8649	EXP 150 of 150	0.2420455 ± 0.0169086	0.0095	EXP 150 of 150	18.2386264 ± 0.0174572	0.9781	EXP 150 of 150	253.634237 ± 0.029175	0.9986	EXP 150 of 150
16D10135	2.8 %	0.0972119 ± 0.0005005	0.4974	EXP 150 of 150	26.3636915 ± 0.0171976	0.9877	EXP 150 of 150	0.6297788 ± 0.0157805	0.0068	EXP 150 of 150	53.4063693 ± 0.0194582	0.9971	EXP 150 of 150	738.771843 ± 0.047446	0.9998	EXP 150 of 150
16D10137	3.2 %	0.0942256 ± 0.0004817	0.4728	EXP 150 of 150	26.3580624 ± 0.0189016	0.9860	EXP 150 of 150	0.6700545 ± 0.0163081	0.0835	EXP 150 of 150	53.4189415 ± 0.0180126	0.9975	EXP 150 of 150	743.545967 ± 0.041865	0.9998	EXP 150 of 150
16D10138	3.6 %	0.0854648 ± 0.0005048	0.5769	EXP 150 of 150	24.4380855 ± 0.0204565	0.9802	EXP 150 of 150	0.6332008 ± 0.0169931	0.0704	EXP 150 of 150	49.8425275 ± 0.0181985	0.9970	EXP 150 of 150	697.144784 ± 0.047616	0.9997	EXP 150 of 150
16D10139	4.0 %	0.1081684 ± 0.0005105	0.6487	EXP 150 of 150	30.3544667 ± 0.0210974	0.9866	EXP 150 of 150	0.7729816 ± 0.0187709	0.0628	EXP 150 of 150	62.1745737 ± 0.0202362	0.9977	EXP 150 of 150	869.922059 ± 0.047237	0.9998	EXP 150 of 150
16D10141	4.5 %	0.1064490 ± 0.0005615	0.4105	EXP 150 of 150	29.1869778 ± 0.0210069	0.9856	EXP 150 of 150	0.7374687 ± 0.0159814	0.0413	EXP 150 of 150	59.9921501 ± 0.0169949	0.9982	EXP 150 of 150	845.435532 ± 0.045667	0.9998	EXP 150 of 150
16D10142	5.2 %	0.0981770 ± 0.0005681	0.5731	EXP 150 of 150	27.1024355 ± 0.0201575	0.9842	EXP 150 of 150	0.6827689 ± 0.0154100	0.0406	EXP 150 of 150	55.8019044 ± 0.0203510	0.9970	EXP 150 of 150	789.878887 ± 0.046587	0.9998	EXP 150 of 150
16D10143	6.1 %	0.1590810 ± 0.0006284	0.4353	EXP 150 of 150	43.2520731 ± 0.0211074	0.9932	EXP 150 of 150	1.1138977 ± 0.0168497	0.1795	EXP 150 of 150	89.8403977 ± 0.0206112	0.9988	EXP 150 of 150	1278.107891 ± 0.058229	0.9999	EXP 150 of 150
16D10145	7.3 %	0.1656709 ± 0.0006334	0.3706	EXP 150 of 150	40.6417197 ± 0.0207191	0.9928	EXP 150 of 150	1.0368508 ± 0.0158383	0.1655	EXP 150 of 150	84.5616508 ± 0.0197790	0.9988	EXP 150 of 150	1221.264517 ± 0.059164	0.9999	EXP 150 of 150
16D10146	8.5 %	0.1579861 ± 0.0006078	0.2411	EXP 150 of 150	34.5121351 ± 0.0212346	0.9892	EXP 150 of 150	0.8889485 ± 0.0176706	0.0765	EXP 150 of 150	71.6919621 ± 0.0177793	0.9986	EXP 150 of 150	1047.229627 ± 0.051767	0.9998	EXP 150 of 150
16D10147	9.7 %	0.1552781 ± 0.0006538	0.1396	EXP 150 of 150	29.0835640 ± 0.0209606	0.9854	EXP 150 of 150	0.7571535 ± 0.0161363	0.0564	EXP 150 of 150	60.3143960 ± 0.0177789	0.9981	EXP 150 of 150	892.897463 ± 0.050977	0.9998	EXP 150 of 150
16D10149	11.0 %	0.0475871 ± 0.0003699	0.5919	EXP 150 of 150	9.2236899 ± 0.0183638	0.8917	EXP 150 of 150	0.2635400 ± 0.0151520	0.0160	EXP 150 of 150	19.0550927 ± 0.0169848	0.9808	EXP 150 of 150	280.980649 ± 0.030657	0.9980	EXP 150 of 150
16D10150	12.4 %	0.0503534 ± 0.0003685	0.6588	EXP 150 of 150	8.7802391 ± 0.0169895	0.9035	EXP 150 of 150	0.2791501 ± 0.0177644	0.0390	EXP 150 of 150	18.0546886 ± 0.0148469	0.9840	EXP 148 of 150	268.705633 ± 0.028939	0.9980	EXP 150 of 150
16D10151	14.0 %	0.0271301 ± 0.0003021	0.6993	EXP 150 of 150	4.6784144 ± 0.0185909	0.6382	EXP 150 of 150	0.1014534 ± 0.0151060	0.0469	EXP 149 of 150	9.7390527 ± 0.0146697	0.9395	EXP 150 of 150	144.160623 ± 0.022677	0.9256	EXP 149 of 150
16D10153	15.8 %	0.0345783 ± 0.0003129	0.6634	EXP 150 of 150	4.4998144 ± 0.0196288	0.6311	EXP 150 of 150	0.1644282 ± 0.0181291	0.0240	EXP 150 of 150	8.9538301 ± 0.0154604	0.9317	EXP 150 of 150	135.699119 ± 0.027297	0.9360	EXP 150 of 150
16D10154	18.0 %	0.0123991 ± 0.0002005	0.8614	EXP 150 of 150	1.6725868 ± 0.0168577	0.1621	EXP 150 of 150	0.0490588 ± 0.0174953	0.0007	EXP 150 of 150	3.4131346 ± 0.0165168	0.4948	EXP 150 of 150	51.021766 ± 0.020280	0.9951	EXP 150 of 150
16D10156	20.5 %	0.0196191 ± 0.0002309	0.7809	EXP 150 of 150	2.7482276 ± 0.0187743	0.3268	EXP 150 of 150	0.0701470 ± 0.0163335	0.0144	EXP 150 of 150	5.6306717 ± 0.0167959	0.7821	EXP 150 of 150	84.959767 ± 0.025299	0.9339	EXP 150 of 150
16D10157	22.5 %	0.0117238 ± 0.0001988	0.8682	EXP 150 of 150	1.5944819 ± 0.0185898	0.1956	EXP 150 of 150	0.0596603 ± 0.0177736	0.0000	EXP 150 of 150	3.2572961 ± 0.0162433	0.4424	EXP 150 of 150	49.362341 ± 0.018173	0.9952	EXP 150 of 150
16D10159	24.5 %	0.0120184 ± 0.0002171	0.8204	EXP 150 of 150	1.5500287 ± 0.0183640	0.0995	EXP 150 of 150	0.0496558 ± 0.0142547	0.0029	EXP 149 of 150	3.0683705 ± 0.0174414	0.4553	EXP 150 of 150	46.679669 ± 0.021587	0.9930	EXP 150 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
16D10131	1.8 %	Kevin Konrad	15-OSU-06	0.00	0.00	22.12	French Polynesia\Rurutu (13-INT-08)	16D10127	01
16D10133	2.0 %	Kevin Konrad	15-OSU-06	0.00	0.00	22.12	French Polynesia\Rurutu (13-INT-08)	16D10127	01
16D10134	2.4 %	Kevin Konrad	15-OSU-06	0.00	0.00	22.12	French Polynesia\Rurutu (13-INT-08)	16D10127	01
16D10135	2.8 %	Kevin Konrad	15-OSU-06	0.00	0.00	22.12	French Polynesia\Rurutu (13-INT-08)	16D10127	01
16D10137	3.2 %	Kevin Konrad	15-OSU-06	0.00	0.00	22.12	French Polynesia\Rurutu (13-INT-08)	16D10127	01
16D10138	3.6 %	Kevin Konrad	15-OSU-06	0.00	0.00	22.12	French Polynesia\Rurutu (13-INT-08)	16D10127	01
16D10139	4.0 %	Kevin Konrad	15-OSU-06	0.00	0.00	22.12	French Polynesia\Rurutu (13-INT-08)	16D10127	01
16D10141	4.5 %	Kevin Konrad	15-OSU-06	0.00	0.00	22.12	French Polynesia\Rurutu (13-INT-08)	16D10127	01
16D10142	5.2 %	Kevin Konrad	15-OSU-06	0.00	0.00	22.12	French Polynesia\Rurutu (13-INT-08)	16D10127	01
16D10143	6.1 %	Kevin Konrad	15-OSU-06	0.00	0.00	22.12	French Polynesia\Rurutu (13-INT-08)	16D10127	01
16D10145	7.3 %	Kevin Konrad	15-OSU-06	0.00	0.00	22.12	French Polynesia\Rurutu (13-INT-08)	16D10127	01
16D10146	8.5 %	Kevin Konrad	15-OSU-06	0.00	0.00	22.12	French Polynesia\Rurutu (13-INT-08)	16D10127	01
16D10147	9.7 %	Kevin Konrad	15-OSU-06	0.00	0.00	22.12	French Polynesia\Rurutu (13-INT-08)	16D10127	01
16D10149	11.0 %	Kevin Konrad	15-OSU-06	0.00	0.00	22.12	French Polynesia\Rurutu (13-INT-08)	16D10127	01
16D10150	12.4 %	Kevin Konrad	15-OSU-06	0.00	0.00	22.12	French Polynesia\Rurutu (13-INT-08)	16D10127	01
16D10151	14.0 %	Kevin Konrad	15-OSU-06	0.00	0.00	22.12	French Polynesia\Rurutu (13-INT-08)	16D10127	01
16D10153	15.8 %	Kevin Konrad	15-OSU-06	0.00	0.00	22.12	French Polynesia\Rurutu (13-INT-08)	16D10127	01
16D10154	18.0 %	Kevin Konrad	15-OSU-06	0.00	0.00	22.12	French Polynesia\Rurutu (13-INT-08)	16D10127	01
16D10156	20.5 %	Kevin Konrad	15-OSU-06	0.00	0.00	22.12	French Polynesia\Rurutu (13-INT-08)	16D10127	01
16D10157	22.5 %	Kevin Konrad	15-OSU-06	0.00	0.00	22.12	French Polynesia\Rurutu (13-INT-08)	16D10127	01
16D10159	24.5 %	Kevin Konrad	15-OSU-06	0.00	0.00	22.12	French Polynesia\Rurutu (13-INT-08)	16D10127	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	
16D10131	1.8 %	RR1310-D27-64	Plagioclase	Samoa	FCT-NM (6A10-15)	28.201	0.082	Kuiper et al (2008)	8.8455	0.139	0.00177688	0.139	304.937	0.199	0.9922532	0.076	1	4.8E-14	12	MAR	2016	0	49	1
16D10133	2.0 %	RR1310-D27-64	Plagioclase	Samoa	FCT-NM (6A10-15)	28.201	0.082	Kuiper et al (2008)	8.8455	0.139	0.00177688	0.139	304.937	0.199	0.9922532	0.076	1	4.8E-14	12	MAR	2016	1	6	1
16D10134	2.4 %	RR1310-D27-64	Plagioclase	Samoa	FCT-NM (6A10-15)	28.201	0.082	Kuiper et al (2008)	8.8455	0.139	0.00177688	0.139	304.937	0.199	0.9922532	0.076	1	4.8E-14	12	MAR	2016	1	14	1
16D10135	2.8 %	RR1310-D27-64	Plagioclase	Samoa	FCT-NM (6A10-15)	28.201	0.082	Kuiper et al (2008)	8.8455	0.139	0.00177688	0.139	304.937	0.199	0.9922532	0.076	1	4.8E-14	12	MAR	2016	1	23	1
16D10137	3.2 %	RR1310-D27-64	Plagioclase	Samoa	FCT-NM (6A10-15)	28.201	0.082	Kuiper et al (2008)	8.8455	0.139	0.00177688	0.139	304.937	0.199	0.9922532	0.076	1	4.8E-14	12	MAR	2016	1	40	1
16D10138	3.6 %	RR1310-D27-64	Plagioclase	Samoa	FCT-NM (6A10-15)	28.201	0.082	Kuiper et al (2008)	8.8455	0.139	0.00177688	0.139	304.937	0.199	0.9922532	0.076	1	4.8E-14	12	MAR	2016	1	48	1
16D10139	4.0 %	RR1310-D27-64	Plagioclase	Samoa	FCT-NM (6A10-15)	28.201	0.082	Kuiper et al (2008)	8.8455	0.139	0.00177688	0.139	304.937	0.199	0.9922532	0.076	1	4.8E-14	12	MAR	2016	1	56	1
16D10141	4.5 %	RR1310-D27-64	Plagioclase	Samoa	FCT-NM (6A10-15)	28.201	0.082	Kuiper et al (2008)	8.8455	0.139	0.00177688	0.139	304.937	0.199	0.9922532	0.076	1	4.8E-14	12	MAR	2016	2	13	1
16D10142	5.2 %	RR1310-D27-64	Plagioclase	Samoa	FCT-NM (6A10-15)	28.201	0.082	Kuiper et al (2008)	8.8455	0.139	0.00177688	0.139	304.937	0.199	0.9922532	0.076	1	4.8E-14	12	MAR	2016	2	22	1
16D10143	6.1 %	RR1310-D27-64	Plagioclase	Samoa	FCT-NM (6A10-15)	28.201	0.082	Kuiper et al (2008)	8.8455	0.139	0.00177688	0.139	304.937	0.199	0.9922532	0.076	1	4.8E-14	12	MAR	2016	2	30	1
16D10145	7.3 %	RR1310-D27-64	Plagioclase	Samoa	FCT-NM (6A10-15)	28.201	0.082	Kuiper et al (2008)	8.8455	0.139	0.00177688	0.139	304.937	0.199	0.9922532	0.076	1	4.8E-14	12	MAR	2016	2	47	1
16D10146	8.5 %	RR1310-D27-64	Plagioclase	Samoa	FCT-NM (6A10-15)	28.201	0.082	Kuiper et al (2008)	8.8455	0.139	0.00177688	0.139	304.937	0.199	0.9922532	0.076	1	4.8E-14	12	MAR	2016	2	56	1
16D10147	9.7 %	RR1310-D27-64	Plagioclase	Samoa	FCT-NM (6A10-15)	28.201	0.082	Kuiper et al (2008)	8.8455	0.139	0.00177688	0.139	304.937	0.199	0.9922532	0.076	1	4.8E-14	12	MAR	2016	3	4	1
16D10149	11.0 %	RR1310-D27-64	Plagioclase	Samoa	FCT-NM (6A10-15)	28.201	0.082	Kuiper et al (2008)	8.8455	0.139	0.00177688	0.139	304.937	0.199	0.9922532	0.076	1	4.8E-14	12	MAR	2016	3	21	1
16D10150	12.4 %	RR1310-D27-64	Plagioclase	Samoa	FCT-NM (6A10-15)	28.201	0.082	Kuiper et al (2008)	8.8455	0.139	0.00177688	0.139	304.937	0.199	0.9922532	0.076	1	4.8E-14	12	MAR	2016	3	30	1
16D10151	14.0 %	RR1310-D27-64	Plagioclase	Samoa	FCT-NM (6A10-15)	28.201	0.082	Kuiper et al (2008)	8.8455	0.139	0.00177688	0.139	304.937	0.199	0.9922532	0.076	1	4.8E-14	12	MAR	2016	3	38	1
16D10153	15.8 %	RR1310-D27-64	Plagioclase	Samoa	FCT-NM (6A10-15)	28.201	0.082	Kuiper et al (2008)	8.8455	0.139	0.00177688	0.139	304.937	0.199	0.9922532	0.076	1	4.8E-14	12	MAR	2016	3	55	1
16D10154	18.0 %	RR1310-D27-64	Plagioclase	Samoa	FCT-NM (6A10-15)	28.201	0.082	Kuiper et al (2008)	8.8455	0.139	0.00177688	0.139	304.937	0.199	0.9922532	0.076	1	4.8E-14	12	MAR	2016	4	4	1
16D10156	20.5 %	RR1310-D27-64	Plagioclase	Samoa	FCT-NM (6A10-15)	28.201	0.082	Kuiper et al (2008)	8.8455	0.139	0.00177688	0.139	304.937	0.199	0.9922532	0.076	1	4.8E-14	12	MAR	2016	4	21	1
16D10157	22.5 %	RR1310-D27-64	Plagioclase	Samoa	FCT-NM (6A10-15)	28.201	0.082	Kuiper et al (2008)	8.8455	0.139	0.00177688	0.139	304.937	0.199	0.9922532	0.076	1	4.8E-14	12	MAR	2016	4	29	1
16D10159	24.5 %	RR1310-D27-64	Plagioclase	Samoa	FCT-NM (6A10-15)	28.201	0.082	Kuiper et al (2008)	8.8455	0.139	0.00177688	0.139	304.937	0.199	0.9922532	0.076	1	4.8E-14	12	MAR	2016	4	46	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
16D10131	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
16D10133	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
16D10134	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
16D10135	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
16D10137	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
16D10138	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
16D10139	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
16D10141	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
16D10142	5.2 %	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
16D10143	6.1 %	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
16D10145	7.3 %	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
16D10146	8.5 %	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
16D10147	9.7 %	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
16D10149	11.0 %	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
16D10150	12.4 %	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
16D10151	14.0 %	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
16D10153	15.8 %	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
16D10154	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
16D10156	20.5 %	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
16D10157	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
16D10159	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

16D10127.AGE >>> RR1310-D27-64 >>> FRENCH POLYNESIA | RURUTU (13-INT-08) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
45.73 ± 0.14

TOTAL FUSION
44.67 ± 0.13

NORMAL ISOCHRON
45.70 ± 0.33

INVERSE ISOCHRON
45.73 ± 0.33

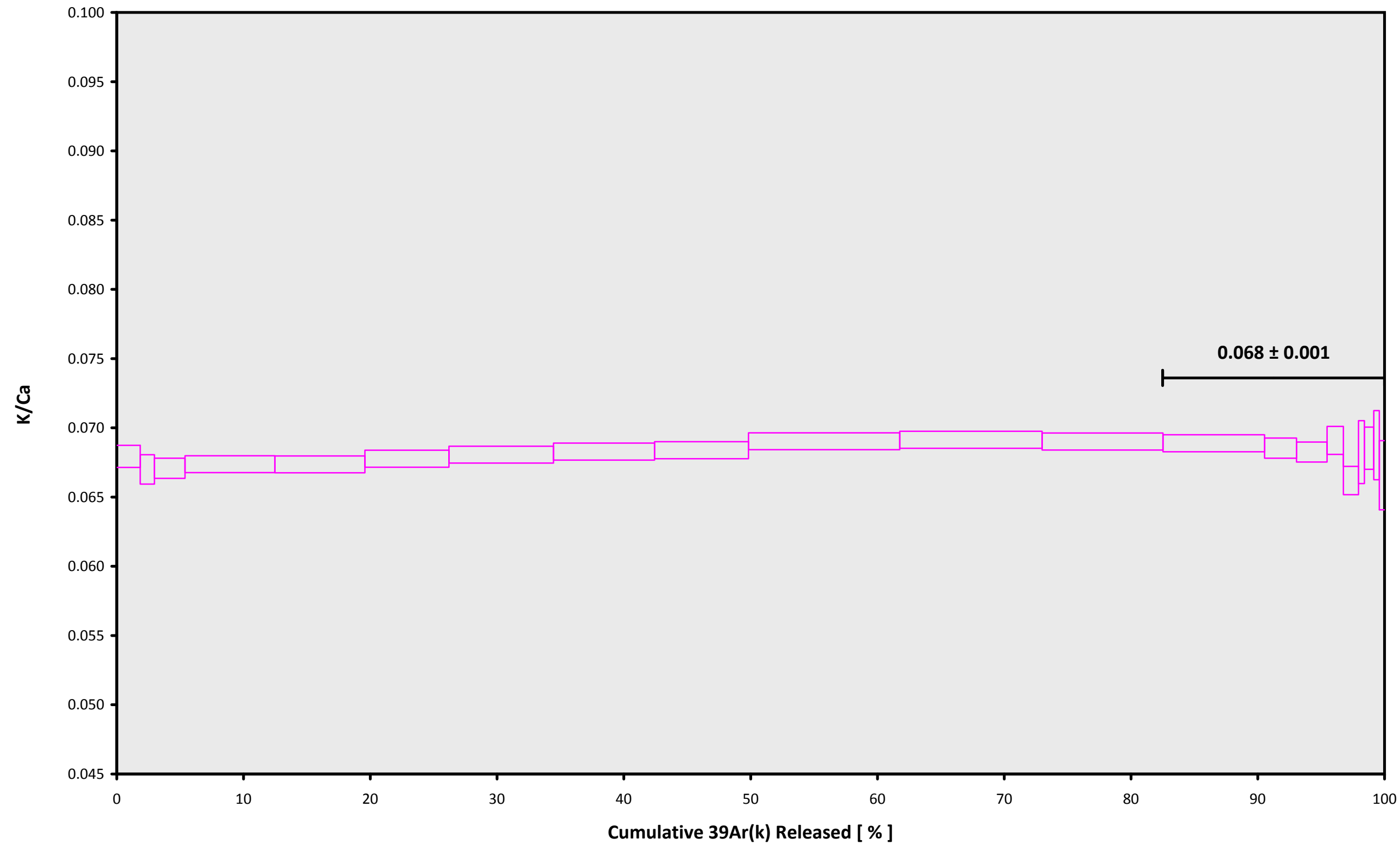
MSWD (PROBABILITY)
1.33 (22%)

Sample Info

Plagioclase
Samoa
Kevin Konrad

IRR = 15-OSU-06 (6A10-15)
J = 0.00177688 ± 0.00000247

16D10127.AGE >>> RR1310-D27-64 >>> FRENCH POLYNESIA | RURUTU (13-INT-08) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
45.73 ± 0.14

TOTAL FUSION
44.67 ± 0.13

NORMAL ISOCHRON
45.70 ± 0.33

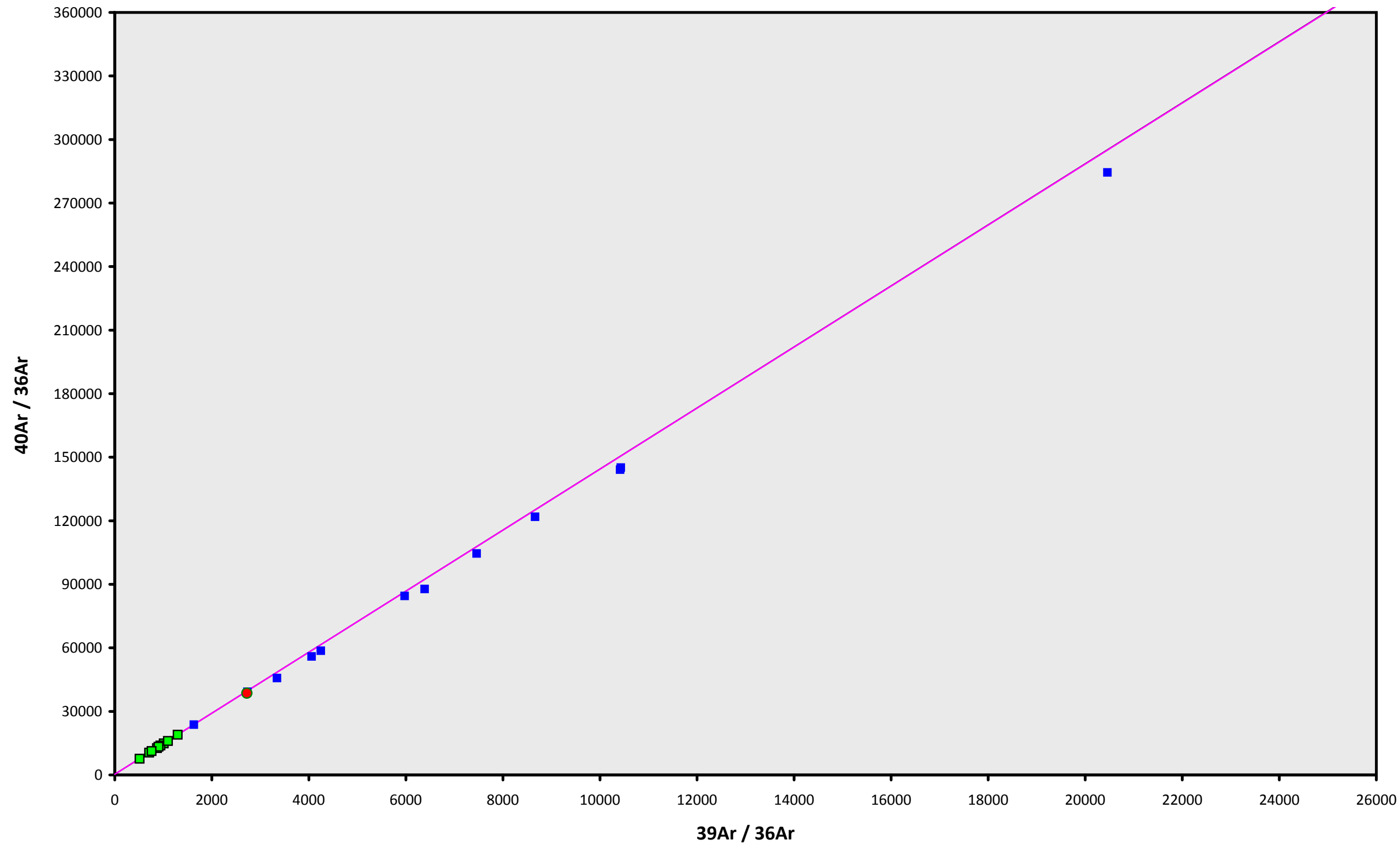
INVERSE ISOCHRON
45.73 ± 0.33

Sample Info

Plagioclase
Samoa
Kevin Konrad

IRR = 15-OSU-06 (6A10-15)
J = 0.00177688 ± 0.00000247

16D10127.AGE >>> RR1310-D27-64 >>> FRENCH POLYNESIA | RURUTU (13-INT-08) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
45.73 ± 0.14

TOTAL FUSION
44.67 ± 0.13

NORMAL ISOCHRON
45.70 ± 0.33

INVERSE ISOCHRON
45.73 ± 0.33

MSWD (PROBABILITY)
1.60 (13%)

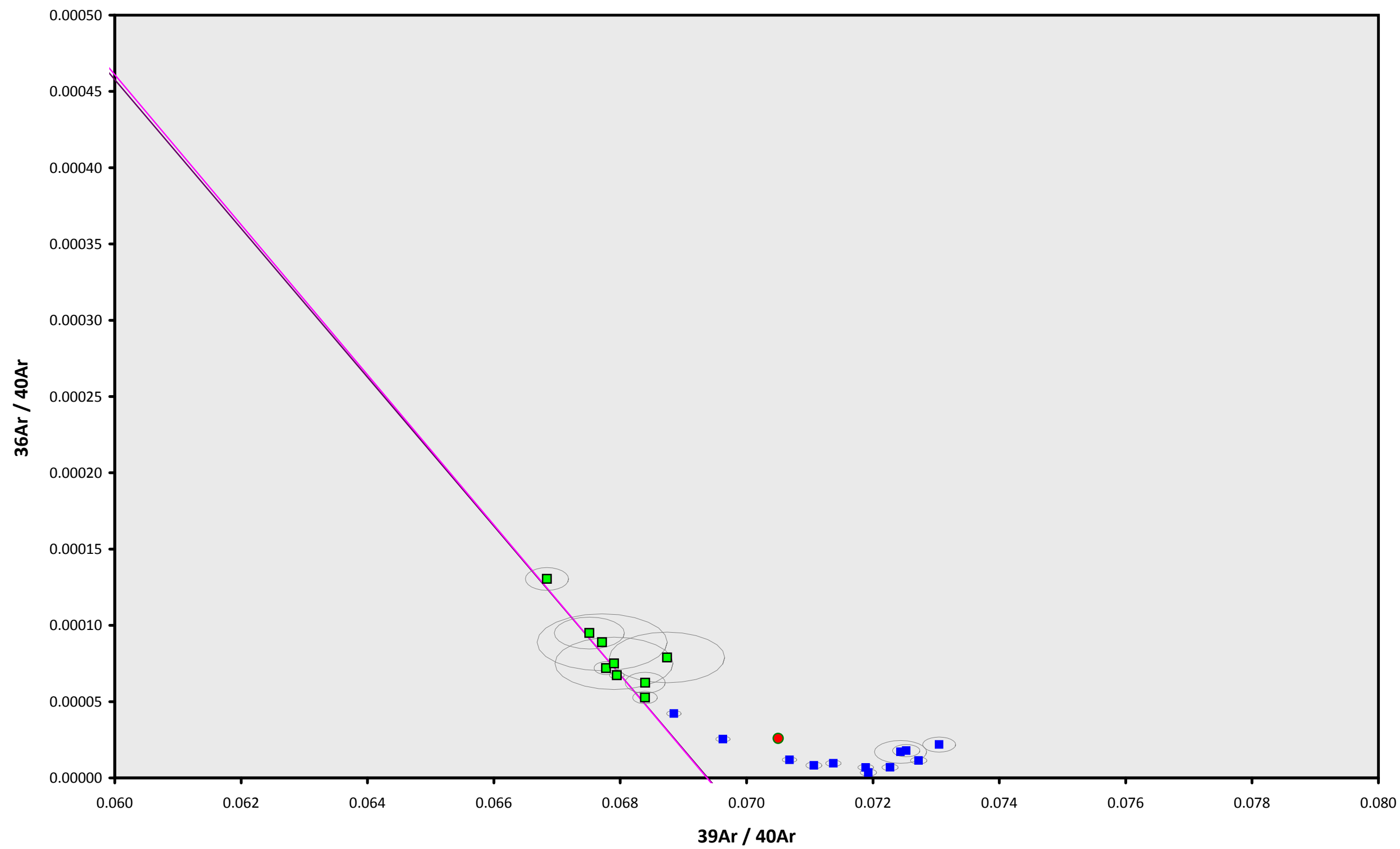
40AR/36AR INTERCEPT
302.6 ± 93.9

Sample Info

Plagioclase
Samoa
Kevin Konrad

IRR = 15-OSU-06 (6A10-15)
J = 0.00177688 ± 0.00000247

16D10127.AGE >>> RR1310-D27-64 >>> FRENCH POLYNESIA | RURUTU (13-INT-08) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
 45.73 ± 0.14

TOTAL FUSION
 44.67 ± 0.13

NORMAL ISOCHRON
 45.70 ± 0.33

INVERSE ISOCHRON
 45.73 ± 0.33

MSWD (PROBABILITY)
1.50 (16%)

SPREADING FACTOR
2.7%

40AR/36AR INTERCEPT
 293.1 ± 86.1

Sample Info

Plagioclase
Samoa
Kevin Konrad

IRR = 15-OSU-06 (6A10-15)
 $J = 0.00177688 \pm 0.00000247$