

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
16D05818	1.8 %	0.5697943	0.364	17.2472	4.757	0.2187800	11.205	5.62443	0.558	260.1119	0.030	16.58310 ± 0.28884	52.15 ± 0.90	35.78	2.15	0.1399 ± 0.0134
16D05820	1.9 %	0.2911305	0.417	22.6800	3.719	0.1529074	15.553	5.75975	0.549	170.1523	0.033	14.95160 ± 0.20891	47.08 ± 0.65	50.48	2.20	0.1089 ± 0.0082
16D05821	2.0 %	0.1250189	0.574	23.1598	3.478	0.1132293	20.795	5.77203	0.557	118.2422	0.046	14.43636 ± 0.17974	45.48 ± 0.56	70.28	2.20	0.1069 ± 0.0075
16D05822	2.1 %	0.0730364	0.768	24.9249	3.258	0.0889186	27.204	6.32348	0.512	109.7922	0.049	14.29401 ± 0.15812	45.04 ± 0.49	82.11	2.42	0.1088 ± 0.0072
16D05824	2.2 %	0.0335265	1.355	10.1054	7.502	0.0718286	31.884	3.04865	1.041	53.2753	0.099	14.51570 ± 0.31983	45.73 ± 0.99	82.88	1.16	0.1294 ± 0.0196
16D05825	2.4 %	0.0381358	1.071	25.0986	3.160	0.0535450	44.675	6.54676	0.506	104.1886	0.052	14.52870 ± 0.15397	45.77 ± 0.48	91.06	2.50	0.1119 ± 0.0072
16D05826	2.6 %	0.0272485	1.415	22.1737	3.687	0.0632303	36.053	5.53920	0.570	87.8461	0.061	14.75647 ± 0.17619	46.47 ± 0.55	92.80	2.12	0.1071 ± 0.0080
16D05828	2.8 %	0.0124940	2.764	12.0469	6.885	0.0102675	231.390	3.07262	1.059	47.6393	0.111	14.64639 ± 0.32272	46.13 ± 1.00	94.22	1.17	0.1094 ± 0.0152
16D05829	3.0 %	0.0267663	1.467	33.7364	2.501	0.0885172	26.612	7.94058	0.407	122.7393	0.043	14.83424 ± 0.12653	46.72 ± 0.39	95.69	3.03	0.1009 ± 0.0051
16D05830	3.2 %	0.0188403	2.098	33.1052	2.490	0.0954698	24.245	7.27299	0.452	110.2443	0.049	14.79247 ± 0.13991	46.59 ± 0.44	97.29	2.78	0.0942 ± 0.0048
16D05832	3.6 %	0.0236397	1.610	44.5852	1.995	0.1321091	17.591	9.90423	0.344	149.7217	0.036	14.80716 ± 0.10631	46.63 ± 0.33	97.65	3.78	0.0952 ± 0.0039
16D05833	4.0 %	0.0194277	1.819	37.2256	2.362	0.0984350	24.152	8.17402	0.407	121.9367	0.045	14.61479 ± 0.12410	46.03 ± 0.39	97.67	3.12	0.0941 ± 0.0045
16D05834	4.3 %	0.0224461	1.626	48.7277	1.659	0.1155794	19.860	9.85159	0.327	146.4389	0.037	14.62550 ± 0.09984	46.07 ± 0.31	98.06	3.76	0.0866 ± 0.0029
16D05836	4.6 %	0.0155622	2.262	37.9953	2.207	0.1067111	20.532	7.07558	0.455	104.1966	0.052	14.54804 ± 0.13822	45.83 ± 0.43	98.43	2.70	0.0798 ± 0.0036
16D05837	4.9 %	0.0193044	1.745	47.1610	1.874	0.1197706	19.161	8.57953	0.382	125.9439	0.043	14.49742 ± 0.11548	45.67 ± 0.36	98.39	3.27	0.0779 ± 0.0030
16D05838	5.2 %	0.0281456	1.427	70.6529	1.270	0.1395361	16.938	11.62532	0.282	170.6882	0.033	14.50101 ± 0.08603	45.68 ± 0.27	98.36	4.43	0.0705 ± 0.0018
16D05840	5.8 %	0.0228421	1.720	62.3063	1.384	0.1291187	17.945	9.54768	0.344	137.7384	0.039	14.29223 ± 0.10329	45.03 ± 0.32	98.63	3.64	0.0656 ± 0.0019
16D05841	6.4 %	0.0497987	0.989	134.0741	0.805	0.2455791	9.398	19.72484	0.183	282.7379	0.021	14.18428 ± 0.05534	44.69 ± 0.17	98.50	7.52	0.0630 ± 0.0010
16D05842	7.0 %	0.0494669	0.971	133.1667	0.822	0.2308688	10.559	18.19066	0.195	254.2212	0.022	13.81238 ± 0.05754	43.54 ± 0.18	98.34	6.93	0.0584 ± 0.0010
16D05844	7.6 %	0.0374273	1.120	98.7056	0.972	0.2116586	11.192	12.79015	0.268	173.8084	0.031	13.39820 ± 0.07616	42.25 ± 0.24	98.08	4.87	0.0554 ± 0.0011
16D05845	8.2 %	0.0395121	1.121	102.7729	0.943	0.1953139	11.649	12.72172	0.261	168.6476	0.033	13.04219 ± 0.07308	41.14 ± 0.23	97.85	4.85	0.0529 ± 0.0010
16D05846	9.0 %	0.0400409	1.146	104.6199	0.923	0.1846893	12.830	11.25945	0.298	143.6522	0.038	12.51375 ± 0.08073	39.49 ± 0.25	97.47	4.28	0.0460 ± 0.0009
16D05848	9.8 %	0.0462262	1.044	122.2555	0.859	0.1536968	14.501	10.57196	0.314	131.4694	0.041	12.14481 ± 0.08387	38.34 ± 0.26	96.90	4.02	0.0369 ± 0.0007
16D05849	10.6 %	0.0521548	0.863	135.1570	0.818	0.2132423	10.775	10.46822	0.325	130.8511	0.041	12.14637 ± 0.08605	38.34 ± 0.27	96.32	3.97	0.0330 ± 0.0006
16D05850	11.2 %	0.0385318	1.123	97.4416	1.037	0.1221213	19.151	8.64339	0.383	105.6864	0.051	11.88404 ± 0.09903	37.52 ± 0.31	96.45	3.28	0.0379 ± 0.0008
16D05852	12.5 %	0.0848514	0.656	240.6177	0.651	0.1435625	16.235	8.06352	0.399	96.3325	0.056	11.41197 ± 0.10776	36.05 ± 0.34	93.60	3.03	0.0141 ± 0.0002
16D05853	13.7 %	0.1125854	0.633	320.3404	0.602	0.1891242	12.067	9.87736	0.337	115.8387	0.047	11.15261 ± 0.09507	35.23 ± 0.30	93.01	3.70	0.0130 ± 0.0002
16D05854	14.7 %	0.0815932	0.690	248.6930	0.652	0.0688422	32.837	5.15589	0.631	59.5891	0.089	11.03263 ± 0.16871	34.86 ± 0.53	92.35	1.91	0.0086 ± 0.0002
16D05856	16.5 %	0.1277082	0.557	415.5268	0.584	0.1023498	21.567	4.27269	0.758	51.2731	0.102	11.57837 ± 0.23968	36.57 ± 0.75	90.15	1.53	0.0041 ± 0.0001
16D05857	21.5 %	0.5850948	0.369	1988.9631	0.547	0.2430021	9.656	9.06632	0.357	106.5022	0.050	11.66604 ± 0.30548	36.84 ± 0.95	84.59	2.96	0.0017 ± 0.0000
16D05859	24.5 %	0.1553758	0.503	525.9947	0.569	0.0529388	41.838	2.20033	1.469	26.2100	0.198	11.75128 ± 0.55623	37.11 ± 1.74	82.72	0.71	0.0015 ± 0.0001
Σ		2.8677266	0.144	5241.2610	0.243	4.1549434	3.115	264.66494	0.069	3987.7155	0.008					

Information on Analysis and Constants Used in Calculations
Project = RURUTU (13-INT-08)
Sample = RR1310-D22-29
Material = Groundmass
Location = Rurutu Hotspot
Region = Samoa
Analyst = Kevin Konrad
Irradiation = 15-OSU-04 (4A18-15)
Position = X: 0   Y: 0   Z/H: 25.43 mm
FCT-NM Age = 28.201 ± 0.023 Ma
FCT-NM Reference = Kuiper et al (2008)
FCT-NM 40Ar/39Ar Ratio = 8.90893 ± 0.01515
FCT-NM J-value = 0.00176423 ± 0.00000300
Air Shot 40Ar/36Ar = 304.4790 ± 0.5602
Air Shot MDF = 0.99261804 ± 0.00072892 (LIN)
Experiment Type = Incremental Heating
Extraction Method = Bulk Laser Heating
Heating = 77 sec
Isolation = 3.00 min
Instrument = ARGUS-VI-D
Preferred Age = Plateau Age
Age Classification = Eruption Age
IGSN = IEKK1-RR1310-D22-29GM
Rock Class = Igneous>Volcanic
Lithology = Basalt
Lat-Lon = 10°18.6'S - 179°49.1'W

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(ε,β<sup>+</sup>) = 0.580 ± 0.009 E-10 1/a  
 Decay 40K(β<sup>-</sup>) = 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
<b>Age Plateau</b>		14.63342 ± 0.07680 ± 0.52%	46.09 ± 0.28 ± 0.62%	4.27	33.83	0.0825 ± 0.0072
<b>Error Mean</b>				0%	12	
				1.85		2σ Confidence Limit
				2.0658		Error Magnification
<b>Total Fusion Age</b>		13.60193 ± 0.02292 ± 0.17%	42.88 ± 0.16 ± 0.38%		31	0.0214 ± 0.0001
<b>Normal Isochron</b>	323.20 ± 55.80 ± 17.26%	14.55814 ± 0.12201 ± 0.84%	45.86 ± 0.41 ± 0.89%	4.97	33.83	
<b>No Convergence</b>				0%	12	
				1.89		2σ Confidence Limit
				2.2297		Error Magnification
				100		Number of Iterations
				0.0003207000		Convergence
<b>Inverse Isochron</b>	304.45 ± 52.53 ± 17.25%	14.62222 ± 0.11837 ± 0.81%	46.06 ± 0.40 ± 0.87%	4.67	33.83	
<b>Error Chron</b>				0%	12	
				1.89		2σ Confidence Limit
				2.1619		Error Magnification
				3		Number of Iterations
				0.0000604290		Convergence
				16%		Spreading Factor
<b>Notes</b>	A relatively short plateau with a high MSWD (4.27) but contains an atmospheric intercept. Not the best age but is still usable, the error is underestimated.					

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
16D05818	1.8 %	0.5651887	17.2472	0.0443806	5.61277	93.0772	52.15 ± 0.90	35.78	2.15	0.1399 ± 0.0134
16D05820	1.9 %	0.2850826	22.6800	0.0288859	5.74443	85.8884	47.08 ± 0.65	50.48	2.20	0.1089 ± 0.0082
16D05821	2.0 %	0.1188457	23.1598	0.0200991	5.75639	83.1012	45.48 ± 0.56	70.28	2.20	0.1069 ± 0.0075
16D05822	2.1 %	0.0663989	24.9249	0.0000000	6.30664	90.1472	45.04 ± 0.49	82.11	2.42	0.1088 ± 0.0072
16D05824	2.2 %	✓ 0.0308272	10.1054	0.0287453	3.04182	44.1542	45.73 ± 0.99	82.88	1.16	0.1294 ± 0.0196
16D05825	2.4 %	✓ 0.0314521	25.0986	0.0000000	6.52981	94.8696	45.77 ± 0.48	91.06	2.50	0.1119 ± 0.0072
16D05826	2.6 %	✓ 0.0213436	22.1737	0.0000000	5.52422	81.5180	46.47 ± 0.55	92.80	2.12	0.1071 ± 0.0080
16D05828	2.8 %	✓ 0.0092859	12.0469	0.0000000	3.06448	44.8836	46.13 ± 1.00	94.22	1.17	0.1094 ± 0.0152
16D05829	3.0 %	✓ 0.0177823	33.7364	0.0000000	7.91779	117.4543	46.72 ± 0.39	95.69	3.03	0.1009 ± 0.0051
16D05830	3.2 %	✓ 0.0100233	33.1052	0.0039873	7.25062	107.2547	46.59 ± 0.44	97.29	2.78	0.0942 ± 0.0048
16D05832	3.6 %	✓ 0.0117644	44.5852	0.0079137	9.87411	146.2075	46.63 ± 0.33	97.65	3.78	0.0952 ± 0.0039
16D05833	4.0 %	✓ 0.0095145	37.2256	0.0000000	8.14887	119.0940	46.03 ± 0.39	97.67	3.12	0.0941 ± 0.0045
16D05834	4.3 %	✓ 0.0094699	48.7277	0.0000000	9.81867	143.6030	46.07 ± 0.31	98.06	3.76	0.0866 ± 0.0029
16D05836	4.6 %	✓ 0.0054389	37.9953	0.0181490	7.04991	102.5624	45.83 ± 0.43	98.43	2.70	0.0798 ± 0.0036
16D05837	4.9 %	✓ 0.0067419	47.1610	0.0122874	8.54766	123.9190	45.67 ± 0.36	98.39	3.27	0.0779 ± 0.0030
16D05838	5.2 %	✓ 0.0093307	70.6529	0.0000000	11.57759	167.8867	45.68 ± 0.27	98.36	4.43	0.0705 ± 0.0018
16D05840	5.8 %	0.0062474	62.3063	0.0091158	9.50558	135.8560	45.03 ± 0.32	98.63	3.64	0.0656 ± 0.0019
16D05841	6.4 %	0.0140948	134.0741	0.0000000	19.63426	278.4978	44.69 ± 0.17	98.50	7.52	0.0630 ± 0.0010
16D05842	7.0 %	0.0140043	133.1667	0.0009206	18.10069	250.0137	43.54 ± 0.18	98.34	6.93	0.0584 ± 0.0010
16D05844	7.6 %	0.0111278	98.7056	0.0494158	12.72346	170.4715	42.25 ± 0.24	98.08	4.87	0.0554 ± 0.0011
16D05845	8.2 %	0.0121341	102.7729	0.0334472	12.65229	165.0136	41.14 ± 0.23	97.85	4.85	0.0529 ± 0.0010
16D05846	9.0 %	0.0121691	104.6199	0.0402910	11.18877	140.0135	39.49 ± 0.25	97.47	4.28	0.0460 ± 0.0009
16D05848	9.8 %	0.0136649	122.2555	0.0161674	10.48936	127.3913	38.34 ± 0.26	96.90	4.02	0.0369 ± 0.0007
16D05849	10.6 %	0.0161409	135.1570	0.0756767	10.37690	126.0418	38.34 ± 0.27	96.32	3.97	0.0330 ± 0.0006
16D05850	11.2 %	0.0125803	97.4416	0.0095771	8.57756	101.9361	37.52 ± 0.31	96.45	3.28	0.0379 ± 0.0008
16D05852	12.5 %	0.0207671	240.6177	0.0273483	7.90096	90.1656	36.05 ± 0.34	93.60	3.03	0.0141 ± 0.0002
16D05853	13.7 %	0.0272659	320.3404	0.0447970	9.66093	107.7447	35.23 ± 0.30	93.01	3.70	0.0130 ± 0.0002
16D05854	14.7 %	0.0153662	248.6930	0.0000000	4.98787	55.0293	34.86 ± 0.53	92.35	1.91	0.0086 ± 0.0002
16D05856	16.5 %	0.0170474	415.5268	0.0213016	3.99196	46.2204	36.57 ± 0.75	90.15	1.53	0.0041 ± 0.0001
16D05857	21.5 %	0.0554339	1988.9631	0.0000000	7.72258	90.0919	36.84 ± 0.95	84.59	2.96	0.0017 ± 0.0000
16D05859	24.5 %	0.0153034	525.9947	0.0000000	1.84497	21.6808	37.11 ± 1.74	82.72	0.71	0.0015 ± 0.0001
Σ		1.4718382	5241.2610	0.4925068	261.12395	3551.7890				

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-D22-29 Material = Groundmass Location = Rurutu Hotspot Region = Samoa Analyst = Kevin Konrad Irradiation = 15-OSU-04 (4A18-15) J = 0.00176423 ± 0.00000300 FCT-NM = 28.201 ± 0.023 Ma	<b>Age Plateau</b> Error Mean	14.63342 ± 0.07680 ± 0.52%	<b>46.09 ± 0.28</b> ± 0.62%	4.27 0%	33.83 12	0.0825 ± 0.0072
			Full External Error ± 1.07 Analytical Error ± 0.24	1.85 2.0658	2σ Confidence Limit Error Magnification	
	<b>Total Fusion Age</b>	13.60193 ± 0.02292 ± 0.17%	<b>42.88 ± 0.16</b> ± 0.38%		31	0.0214 ± 0.0001
			Full External Error ± 0.98 Analytical Error ± 0.07			

Normal Isochron		39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
16D05818	1.8 %	9.93 ± 0.13	460.18 ± 3.41	0.5486
16D05820	1.9 %	20.15 ± 0.28	596.78 ± 5.18	0.6159
16D05821	2.0 %	48.44 ± 0.82	994.74 ± 12.56	0.7460
16D05822	2.1 %	94.98 ± 1.98	1653.16 ± 29.99	0.8687
16D05824	2.2 % ✓	98.67 ± 3.79	1727.81 ± 55.84	0.8380
16D05825	2.4 % ✓	207.61 ± 6.43	3311.82 ± 96.90	0.9442
16D05826	2.6 % ✓	258.82 ± 11.14	4114.81 ± 170.87	0.9637
16D05828	2.8 % ✓	330.01 ± 29.97	5129.02 ± 453.01	0.9720
16D05829	3.0 % ✓	445.26 ± 22.96	6900.62 ± 351.31	0.9872
16D05830	3.2 % ✓	723.38 ± 65.63	10996.09 ± 992.64	0.9949
16D05832	3.6 % ✓	839.32 ± 64.27	12723.46 ± 970.40	0.9959
16D05833	4.0 % ✓	856.47 ± 76.68	12812.57 ± 1142.33	0.9958
16D05834	4.3 % ✓	1036.83 ± 93.13	15459.69 ± 1384.93	0.9973
16D05836	4.6 % ✓	1296.21 ± 199.19	19152.81 ± 2938.10	0.9982
16D05837	4.9 % ✓	1267.84 ± 155.06	18675.89 ± 2279.63	0.9980
16D05838	5.2 % ✓	1240.80 ± 124.73	18288.40 ± 1835.49	0.9984
16D05840	5.8 %	1521.53 ± 222.22	22041.61 ± 3215.55	0.9989
16D05841	6.4 %	1393.02 ± 113.33	20054.44 ± 1629.86	0.9990
16D05842	7.0 %	1292.51 ± 104.27	18148.13 ± 1462.41	0.9988
16D05844	7.6 %	1143.39 ± 101.37	15614.87 ± 1381.86	0.9981
16D05845	8.2 %	1042.70 ± 88.55	13894.61 ± 1177.76	0.9981
16D05846	9.0 %	919.44 ± 79.93	11801.17 ± 1023.50	0.9976
16D05848	9.8 %	767.61 ± 63.11	9618.03 ± 788.47	0.9970
16D05849	10.6 %	642.90 ± 43.27	8104.35 ± 542.85	0.9952
16D05850	11.2 %	681.82 ± 55.64	8398.31 ± 682.38	0.9954
16D05852	12.5 %	380.46 ± 25.92	4637.25 ± 313.67	0.9927
16D05853	13.7 %	354.32 ± 23.19	4247.12 ± 276.39	0.9943
16D05854	14.7 %	324.60 ± 30.55	3876.68 ± 361.33	0.9901
16D05856	16.5 %	234.17 ± 27.08	3006.79 ± 344.24	0.9898
16D05857	21.5 %	139.31 ± 18.65	1920.71 ± 256.47	0.9973
16D05859	24.5 %	120.56 ± 18.40	1712.23 ± 254.27	0.9723

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	323.20 ± 55.80	14.55814 ± 0.12201	45.86 ± 0.41	4.97
No Convergence	± 17.26%	± 0.84%	± 0.89%	0%
			Full External Error ± 1.11	
			Analytical Error ± 0.38	
Statistics	2σ Confidence Limit	1.89	Convergence	0.000320700027
	Error Magnification	2.2297	Number of Iterations	100
	Number of Data Points	12	Calculated Line	Weighted York-2

Inverse Isochron		39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
16D05818	1.8 %	0.0215801 ± 0.0002419	0.00217305 ± 0.00001609	0.0042
16D05820	1.9 %	0.0337649 ± 0.0003727	0.00167567 ± 0.00001455	0.0046
16D05821	2.0 %	0.0486921 ± 0.0005461	0.00100529 ± 0.00001270	0.0060
16D05822	2.1 %	0.0574543 ± 0.0005925	0.00060490 ± 0.00001097	0.0052
16D05824	2.2 % ✓	0.0571088 ± 0.0011971	0.00057877 ± 0.00001870	0.0058
16D05825	2.4 % ✓	0.0626879 ± 0.0006390	0.00030195 ± 0.00000883	0.0036
16D05826	2.6 % ✓	0.0629003 ± 0.0007227	0.00024302 ± 0.00001009	0.0031
16D05828	2.8 % ✓	0.0643426 ± 0.0013736	0.00019497 ± 0.00001722	0.0026
16D05829	3.0 % ✓	0.0645249 ± 0.0005301	0.00014491 ± 0.00000738	0.0018
16D05830	3.2 % ✓	0.0657853 ± 0.0006000	0.00009094 ± 0.00000821	0.0012
16D05832	3.6 % ✓	0.0659664 ± 0.0004582	0.00007859 ± 0.00000599	0.0010
16D05833	4.0 % ✓	0.0668458 ± 0.0005498	0.00007805 ± 0.00000696	0.0011
16D05834	4.3 % ✓	0.0670668 ± 0.0004425	0.00006468 ± 0.00000579	0.0009
16D05836	4.6 % ✓	0.0676772 ± 0.0006220	0.00005221 ± 0.00000801	0.0008
16D05837	4.9 % ✓	0.0678864 ± 0.0005240	0.00005354 ± 0.00000654	0.0008
16D05838	5.2 % ✓	0.0678464 ± 0.0003866	0.00005468 ± 0.00000549	0.0008
16D05840	5.8 %	0.0690301 ± 0.0004796	0.00004537 ± 0.00000662	0.0006
16D05841	6.4 %	0.0694618 ± 0.0002575	0.00004986 ± 0.00000405	0.0006
16D05842	7.0 %	0.0712200 ± 0.0002810	0.00005510 ± 0.00000444	0.0006
16D05844	7.6 %	0.0732244 ± 0.0003969	0.00006404 ± 0.00000567	0.0008
16D05845	8.2 %	0.0750436 ± 0.0003970	0.00007197 ± 0.00000610	0.0010
16D05846	9.0 %	0.0779111 ± 0.0004715	0.00008474 ± 0.00000735	0.0011
16D05848	9.8 %	0.0798099 ± 0.0005104	0.00010397 ± 0.00000852	0.0013
16D05849	10.6 %	0.0793272 ± 0.0005245	0.00012339 ± 0.00000827	0.0015
16D05850	11.2 %	0.0811857 ± 0.0006319	0.00011907 ± 0.00000967	0.0017
16D05852	12.5 %	0.0820434 ± 0.0006756	0.00021565 ± 0.00001459	0.0023
16D05853	13.7 %	0.0834265 ± 0.0005831	0.00023545 ± 0.00001532	0.0020
16D05854	14.7 %	0.0837312 ± 0.0011050	0.00025795 ± 0.00002404	0.0026
16D05856	16.5 %	0.0778799 ± 0.0012843	0.00033258 ± 0.00003808	0.0022
16D05857	21.5 %	0.0725311 ± 0.0007101	0.00052064 ± 0.00006952	0.0008
16D05859	24.5 %	0.0704109 ± 0.0025137	0.00058403 ± 0.00008673	0.0030

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	304.45 ± 52.53	14.62222 ± 0.11837	46.06 ± 0.40	4.67
Error Chron	± 17.25%	± 0.81%	± 0.87%	0%
			Full External Error ± 1.11	
			Analytical Error ± 0.37	
Statistics	2σ Confidence Limit	1.89	Convergence	0.0000604290
	Error Magnification	2.1619	Number of Iterations	3
	Number of Data Points	12	Calculated Line	Weighted York-2
	Spreading Factor	15.8%		

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
16D05818	1.8 %	0.5651887	0.37	0.0000000	0.00	0.0045929	4.76	0.0000127	55.26	17.2472	4.76	0.1056338	0.37	0.0000000	0.00	0.0675273	0.58	0.0012384	13.67	0.0443806	55.27	5.61277	0.56	0.0116522	4.94	93.0772	0.67	167.01325	0.37	0.0000000	0.00	0.0214576	2.72
16D05820	1.9 %	0.2850826	0.43	0.0000000	0.00	0.0060397	3.72	0.0000082	82.36	22.6800	3.72	0.0532819	0.43	0.0000000	0.00	0.0691112	0.57	0.0016284	13.35	0.0288859	82.36	5.74443	0.55	0.0153226	3.95	85.8884	0.43	84.24190	0.43	0.0000000	0.00	0.0219609	2.72
16D05821	2.0 %	0.1188457	0.63	0.0000000	0.00	0.0061675	3.48	0.0000057	117.19	23.1598	3.48	0.0222123	0.63	0.0000000	0.00	0.0692551	0.58	0.0016629	13.28	0.0200991	117.19	5.75639	0.56	0.0156468	3.72	83.1012	0.27	35.11892	0.63	0.0000000	0.00	0.0220067	2.72
16D05822	2.1 %	0.0663989	0.91	0.0000000	0.00	0.0066375	3.26	0.0000000	0.00	24.9249	3.26	0.0124100	0.91	0.0000000	0.00	0.0758752	0.54	0.0017896	13.23	0.0000000	0.00	6.30664	0.51	0.0168392	3.52	90.1472	0.21	19.62088	0.91	0.0000000	0.00	0.0241103	2.71
16D05824	2.2 %	✓ 0.0308272	1.61	0.0000000	0.00	0.0026911	7.50	0.0000082	79.69	10.1054	7.50	0.0057616	1.61	0.0000000	0.00	0.0365962	1.06	0.0007256	14.85	0.0287453	79.70	3.04182	1.04	0.0068272	7.62	44.1542	0.35	9.10944	1.61	0.0000000	0.00	0.0116289	2.86
16D05825	2.4 %	✓ 0.0314521	1.46	0.0000000	0.00	0.0066838	3.16	0.0000000	0.00	25.0986	3.16	0.0058784	1.46	0.0000000	0.00	0.0785601	0.53	0.0018021	13.20	0.0000000	0.00	6.52981	0.51	0.0169566	3.42	94.8696	0.15	9.29408	1.46	0.0000000	0.00	0.0249634	2.71
16D05826	2.6 %	✓ 0.0213436	2.08	0.0000000	0.00	0.0059048	3.69	0.0000000	0.00	22.1737	3.69	0.0039891	2.08	0.0000000	0.00	0.0664619	0.59	0.0015921	13.34	0.0000000	0.00	5.52422	0.57	0.0149805	3.92	81.5180	0.17	6.30704	2.08	0.0000000	0.00	0.0211191	2.72
16D05828	2.8 %	✓ 0.0092859	4.41	0.0000000	0.00	0.0032081	6.89	0.0000000	0.00	12.0469	6.88	0.0017355	4.41	0.0000000	0.00	0.0368688	1.07	0.0008650	14.55	0.0000000	0.00	3.06448	1.06	0.0081389	7.01	44.8836	0.29	2.74399	4.41	0.0000000	0.00	0.0117155	2.86
16D05829	3.0 %	✓ 0.0177823	2.55	0.0000000	0.00	0.0089840	2.51	0.0000000	0.00	33.7364	2.50	0.0033235	2.55	0.0000000	0.00	0.0952589	0.44	0.0024223	13.06	0.0000000	0.00	7.91779	0.41	0.0227923	2.83	117.4543	0.12	5.25468	2.55	0.0000000	0.00	0.0302697	2.69
16D05830	3.2 %	✓ 0.0100233	4.51	0.0000000	0.00	0.0088159	2.49	0.0000011	580.69	33.1052	2.49	0.0018733	4.51	0.0000000	0.00	0.0872323	0.48	0.0023770	13.06	0.0039873	580.69	7.25062	0.45	0.0223658	2.82	107.2547	0.13	2.96187	4.51	0.0000000	0.00	0.0277191	2.70
16D05832	3.6 %	✓ 0.0117644	3.81	0.0000000	0.00	0.0118730	2.00	0.0000023	293.77	44.5852	1.99	0.0021988	3.81	0.0000000	0.00	0.1187954	0.38	0.0032012	12.97	0.0079137	293.78	9.87411	0.35	0.0301218	2.39	146.2075	0.10	3.47638	3.81	0.0000000	0.00	0.0377487	2.68
16D05833	4.0 %	✓ 0.0095145	4.46	0.0000000	0.00	0.0099132	2.37	0.0000000	0.00	37.2256	2.36	0.0017783	4.46	0.0000000	0.00	0.0980390	0.44	0.0026728	13.04	0.0000000	0.00	8.14887	0.41	0.0251496	2.71	119.0940	0.12	2.81154	4.46	0.0000000	0.00	0.0311531	2.69
16D05834	4.3 %	✓ 0.0094699	4.48	0.0000000	0.00	0.0129762	1.67	0.0000000	0.00	48.7277	1.66	0.0017699	4.48	0.0000000	0.00	0.1181284	0.36	0.0034987	12.93	0.0000000	0.00	9.81867	0.33	0.0329205	2.12	143.6030	0.10	2.79835	4.48	0.0000000	0.00	0.0375368	2.68
16D05836	4.6 %	✓ 0.0054389	7.67	0.0000000	0.00	0.0101181	2.21	0.0000052	120.77	37.9953	2.21	0.0010165	7.67	0.0000000	0.00	0.0848175	0.48	0.0027281	13.01	0.0181490	120.77	7.04991	0.46	0.0256696	2.57	102.5624	0.13	1.60719	7.67	0.0000000	0.00	0.0269518	2.70
16D05837	4.9 %	✓ 0.0067419	6.10	0.0000000	0.00	0.0125590	1.88	0.0000035	186.85	47.1610	1.87	0.0012601	6.10	0.0000000	0.00	0.1028369	0.42	0.0033862	12.96	0.0122874	186.85	8.54766	0.38	0.0318620	2.29	123.9190	0.11	1.99224	6.10	0.0000000	0.00	0.0326777	2.69
16D05838	5.2 %	✓ 0.0093307	5.02	0.0000000	0.00	0.0188149	1.28	0.0000000	0.00	70.6529	1.27	0.0017439	5.02	0.0000000	0.00	0.1392899	0.33	0.0050729	12.88	0.0000000	0.00	11.57759	0.28	0.0477331	1.83	167.8867	0.09	2.75723	5.02	0.0000000	0.00	0.0442611	2.68
16D05840	5.8 %	0.0062474	7.29	0.0000000	0.00	0.0165922	1.39	0.0000026	254.32	62.3063	1.38	0.0011676	7.29	0.0000000	0.00	0.1143617	0.38	0.0044736	12.89	0.0091158	254.32	9.50558	0.35	0.0420941	1.91	135.8560	0.11	1.84610	7.29	0.0000000	0.00	0.0363398	2.68
16D05841	6.4 %	0.0140948	4.06	0.0000000	0.00	0.0357039	0.82	0.0000000	0.00	134.0741	0.81	0.0026343	4.06	0.0000000	0.00	0.2362198	0.24	0.0096265	12.85	0.0000000	0.00	19.63426	0.18	0.0905804	1.55	278.4978	0.06	4.16501	4.06	0.0000000	0.00	0.0750618	2.67
16D05842	7.0 %	0.0140043	4.03	0.0000000	0.00	0.0354623	0.84	0.0000003	#####	133.1667	0.82	0.0026174	4.03	0.0000000	0.00	0.2177695	0.25	0.0095614	12.85	0.0009206	#####	18.10069	0.20	0.0899674	1.55	250.0137	0.07	4.13827	4.03	0.0000000	0.00	0.0691990	2.67
16D05844	7.6 %	0.0111278	4.42	0.0000000	0.00	0.0262853	0.98	0.0000141	47.99	98.7056	0.97	0.0020798	4.42	0.0000000	0.00	0.1530760	0.31	0.0070871	12.86	0.0494158	48.00	12.72346	0.27	0.0666855	1.64	170.4715	0.09	3.28828	4.42	0.0000000	0.00	0.0486418	2.67
16D05845	8.2 %	0.0121341	4.24	0.0000000	0.00	0.0273684	0.95	0.0000096	68.11	102.7729	0.94	0.0022679	4.24	0.0000000	0.00	0.1522197	0.31	0.0073791	12.85	0.0334472	68.11	12.65229	0.26	0.0694334	1.62	165.0136	0.10	3.58564	4.24	0.0000000	0.00	0.0483697	2.67
16D05846	9.0 %	0.0121691	4.34	0.0000000	0.00	0.0278603	0.94	0.0000115	58.88	104.6199	0.92	0.0022744	4.34	0.0000000	0.00	0.1346121	0.34	0.0075117	12.85	0.0402910	58.89	11.18877	0.30	0.0706812	1.61	140.0135	0.12	3.59597	4.34	0.0000000	0.00	0.0427747	2.68
16D05848	9.8 %	0.0136649	4.10	0.0000000	0.00	0.0325566	0.87	0.0000046	138.08	122.2555	0.86	0.0025540	4.10	0.0000000	0.00	0.1261975	0.36	0.0087779	12.85	0.0161674	138.08	10.48936	0.32	0.0825958	1.58	127.3913	0.14	4.03798	4.10	0.0000000	0.00	0.0401008	2.68
16D05849	10.6 %	0.0161409	3.35	0.0000000	0.00	0.0359923	0.83	0.0000216	30.43	135.1570	0.82	0.0030167	3.35	0.0000000	0.00	0.1248445	0.36	0.0097043	12.85	0.0756767	30.44	10.37690	0.33	0.0913121	1.55	126.0418	0.13	4.76963	3.35	0.0000000	0.00	0.0396709	2.68
16D05850	11.2 %	0.0125803	4.06	0.0000000	0.00	0.0259487	1.05	0.0000027	244.45	97.4416	1.04	0.0023513	4.06	0.0000000	0.00	0.1031966	0.42	0.0069963	12.86	0.0095771	244.45	8.57756	0.39	0.0658315	1.68	101.9361	0.16	3.71749	4.06	0.0000000	0.00	0.0327920	2.69
16D05852	12.5 %	0.0207671	3.38	0.0000000	0.00	0.0640765	0.67	0.0000078	85.63	240.6177	0.65	0.0038814	3.38	0.0000000	0.00	0.0950565	0.44	0.0172763	12.84	0.0273483	85.64	7.90096	0.41	0.1625613	1.47	90.1656	0.24	6.13668	3.38	0.0000000	0.00	0.0302054	2.69
16D05853	13.7 %	0.0272659	3.25	0.0000000	0.00	0.0853066	0.62	0.0000128	51.39	320.3404	0.60	0.0050960	3.25	0.0000000	0.00	0.1162307	0.38	0.0230004	12.83	0.0447970	51.40	9.66093	0.35	0.2164220	1.45	107.7447	0.25	8.05708	3.25	0.0000000	0.00	0.0369338	2.68
16D05854	14.7 %	0.0153662	4.66	0.0000000	0.00	0.0662270	0.67	0.0000000	0.00	248.6930	0.65	0.0028719	4.66	0.0000000	0.00	0.0600091	0.67	0.0178562	12.84	0.0000000	0.00	4.98787	0.65	0.1680170	1.47	55.0293	0.40	4.54072	4.66	0.0000000	0.00	0.0190686	2.74
16D05856	16.5 %	0.0170474	5.72	0.0000000	0.00	0.1106548	0.60	0.0000061	105.20	415.5268	0.58	0.0031862	5.72	0.0000000	0.00	0.0480272	0.83	0.0298348	12.83	0.0213016	105.20	3.99196	0.82	0.2807299	1.44	46.2204	0.63	5.03750	5.72	0.0000000	0.00	0.0152613	2.78
16D05857	21.5 %	0.0554339	6.68	0.0000000	0.00	0.5296609	0.57	0.0000000	0.00	1988.9631	0.55	0.0103606	6.68	0.0000000	0.00	0.0929104	0.51	0.1428076	12.83	0.0000000	0.00	7.72258	0.49	1.3437435	1.43	90.0919	1.22	16.38071	6.68	0.0000000	0.00	0.0295234	2.70
16D05859	24.5 %	0.0153034	7.42	0.0000000	0.00	0.1400724	0.59	0.0000000	0.00	525.9947	0.57	0																					

Additional Parameters		40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
16D05818	1.8 %	46.246828	0.258648	3.066486	0.146885	0.101307	0.000675	175.699	32.229451	1.00124139	1.249E-11
16D05820	1.9 %	29.541603	0.162593	3.937674	0.148038	0.050546	0.000349	175.713	32.238294	1.00124148	8.167E-12
16D05821	2.0 %	20.485358	0.114553	4.012415	0.141349	0.021659	0.000173	175.722	32.243601	1.00124154	5.676E-12
16D05822	2.1 %	17.362613	0.089280	3.941634	0.130013	0.011550	0.000107	175.729	32.248466	1.00124160	5.270E-12
16D05824	2.2 %	✓ 17.475036	0.182721	3.314709	0.251062	0.010997	0.000188	175.743	32.257314	1.00124170	2.557E-12
16D05825	2.4 %	✓ 15.914531	0.080885	3.833742	0.122683	0.005825	0.000069	175.750	32.261739	1.00124174	5.001E-12
16D05826	2.6 %	✓ 15.858989	0.090847	4.003043	0.149354	0.004919	0.000075	175.757	32.266165	1.00124179	4.217E-12
16D05828	2.8 %	✓ 15.504452	0.165037	3.920722	0.273113	0.004066	0.000120	175.771	32.275018	1.00124189	2.287E-12
16D05829	3.0 %	✓ 15.457222	0.063306	4.248605	0.107652	0.003371	0.000051	175.778	32.279445	1.00124194	5.891E-12
16D05830	3.2 %	✓ 15.158038	0.068905	4.551794	0.115186	0.002590	0.000056	175.785	32.283873	1.00124199	5.292E-12
16D05832	3.6 %	✓ 15.116935	0.052326	4.501633	0.091130	0.002387	0.000039	175.799	32.292731	1.00124209	7.187E-12
16D05833	4.0 %	✓ 14.917596	0.061144	4.554133	0.109147	0.002377	0.000044	175.806	32.297161	1.00124214	5.853E-12
16D05834	4.3 %	✓ 14.864491	0.048861	4.946178	0.083631	0.002278	0.000038	175.813	32.301591	1.00124219	7.029E-12
16D05836	4.6 %	✓ 14.726218	0.067411	5.369917	0.120986	0.002199	0.000051	175.826	32.310454	1.00124228	5.001E-12
16D05837	4.9 %	✓ 14.679593	0.056431	5.496922	0.105145	0.002250	0.000040	175.833	32.314886	1.00124233	6.045E-12
16D05838	5.2 %	✓ 14.682456	0.041644	6.077503	0.079072	0.002421	0.000035	175.840	32.319319	1.00124238	8.193E-12
16D05840	5.8 %	14.426381	0.049886	6.525804	0.093041	0.002392	0.000042	175.854	32.328186	1.00124248	6.611E-12
16D05841	6.4 %	14.334102	0.026427	6.797219	0.056129	0.002525	0.000025	175.861	32.332621	1.00124253	1.357E-11
16D05842	7.0 %	13.975368	0.027415	7.320608	0.061810	0.002719	0.000027	175.868	32.337056	1.00124258	1.220E-11
16D05844	7.6 %	13.589240	0.036621	7.717320	0.077774	0.002926	0.000034	175.882	32.345928	1.00124268	8.343E-12
16D05845	8.2 %	13.256666	0.034855	8.078541	0.079024	0.003106	0.000036	175.889	32.350365	1.00124273	8.095E-12
16D05846	9.0 %	12.758365	0.038345	9.291737	0.090163	0.003556	0.000042	175.896	32.354803	1.00124277	6.895E-12
16D05848	9.8 %	12.435672	0.039430	11.564133	0.105828	0.004373	0.000048	175.910	32.363680	1.00124287	6.311E-12
16D05849	10.6 %	12.499844	0.040934	12.911180	0.113660	0.004982	0.000046	175.917	32.368120	1.00124292	6.281E-12
16D05850	11.2 %	12.227421	0.047204	11.273534	0.124574	0.004458	0.000053	175.924	32.372560	1.00124297	5.073E-12
16D05852	12.5 %	11.946696	0.048081	29.840263	0.227744	0.010523	0.000081	175.938	32.381442	1.00124307	4.624E-12
16D05853	13.7 %	11.727700	0.039932	32.431795	0.223653	0.011398	0.000082	175.944	32.385884	1.00124312	5.560E-12
16D05854	14.7 %	11.557489	0.073615	48.234778	0.437413	0.015825	0.000148	175.951	32.390327	1.00124317	2.860E-12
16D05856	16.5 %	12.000206	0.091843	97.251862	0.930986	0.029889	0.000281	175.965	32.399214	1.00124327	2.461E-12
16D05857	21.5 %	11.747008	0.042300	219.379244	1.432906	0.064535	0.000331	175.972	32.403658	1.00124331	5.112E-12
16D05859	24.5 %	11.911823	0.176601	239.052430	3.766705	0.070615	0.001097	175.986	32.412549	1.00124341	1.258E-12

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
16D05818	1.8 %	0.0066898 ± 0.0002583	0.0646438 ± 0.0178281	0.0213472 ± 0.0162612	0.0882645 ± 0.0264644	2.5663004 ± 0.0714183
16D05820	1.9 %	0.0054391 ± 0.0002136	0.0023050 ± 0.0176017	<b>0.0023589</b> ± 0.0162417	0.1372747 ± 0.0277229	2.8973496 ± 0.0490022
16D05821	2.0 %	0.0057248 ± 0.0002136	0.0020025 ± 0.0176017	0.0214441 ± 0.0162417	0.1174793 ± 0.0277229	2.7404227 ± 0.0490022
16D05822	2.1 %	0.0059216 ± 0.0002136	0.0014899 ± 0.0176017	0.0379284 ± 0.0162417	0.1013699 ± 0.0277229	2.6104073 ± 0.0490022
<b>16D05824</b>	<b>2.2 %</b>	<b>0.0061446 ± 0.0002136</b>	<b>0.0000954 ± 0.0176017</b>	<b>0.0570577 ± 0.0162417</b>	<b>0.0766074 ± 0.0277229</b>	<b>2.4051723 ± 0.0490022</b>
16D05825	2.4 %	0.0062016 ± 0.0002136	<b>0.0007760</b> ± 0.0176017	0.0623305 ± 0.0162417	0.0662118 ± 0.0277229	2.3164076 ± 0.0490022
16D05826	2.6 %	0.0062286 ± 0.0002136	<b>0.0017329</b> ± 0.0176017	0.0653155 ± 0.0162417	0.0570121 ± 0.0277229	2.2361102 ± 0.0490022
16D05828	2.8 %	0.0062107 ± 0.0002136	<b>0.0038179</b> ± 0.0176017	0.0659767 ± 0.0162417	0.0418366 ± 0.0277229	2.0987105 ± 0.0490022
16D05829	3.0 %	0.0061737 ± 0.0002136	<b>0.0049061</b> ± 0.0176017	0.0643606 ± 0.0162417	0.0356869 ± 0.0277229	2.0405450 ± 0.0490022
16D05830	3.2 %	0.0061232 ± 0.0002136	<b>0.0060000</b> ± 0.0176017	0.0618724 ± 0.0162417	0.0303855 ± 0.0277229	1.9887206 ± 0.0490022
16D05832	3.6 %	0.0059942 ± 0.0002136	<b>0.0081363</b> ± 0.0176017	0.0553898 ± 0.0162417	0.0220153 ± 0.0277229	1.9021468 ± 0.0490022
16D05833	4.0 %	0.0059216 ± 0.0002136	<b>0.0091473</b> ± 0.0176017	0.0518814 ± 0.0162417	0.0187985 ± 0.0277229	1.8664634 ± 0.0490022
16D05834	4.3 %	0.0058471 ± 0.0002136	<b>0.0101010</b> ± 0.0176017	0.0484725 ± 0.0162417	0.0161341 ± 0.0277229	1.8352533 ± 0.0490022
16D05836	4.6 %	0.0057009 ± 0.0002136	<b>0.0117856</b> ± 0.0176017	0.0426201 ± 0.0162417	0.0122022 ± 0.0277229	1.7845631 ± 0.0490022
16D05837	4.9 %	0.0056328 ± 0.0002136	<b>0.0124935</b> ± 0.0176017	0.0404405 ± 0.0162417	0.0108127 ± 0.0277229	1.7642782 ± 0.0490022
16D05838	5.2 %	0.0055700 ± 0.0002136	<b>0.0130983</b> ± 0.0176017	0.0388883 ± 0.0162417	0.0097316 ± 0.0277229	1.7468573 ± 0.0490022
16D05840	5.8 %	0.0054643 ± 0.0002136	<b>0.0139644</b> ± 0.0176017	0.0378893 ± 0.0162417	0.0082861 ± 0.0277229	1.7191755 ± 0.0490022
16D05841	6.4 %	0.0054228 ± 0.0002136	<b>0.0142114</b> ± 0.0176017	0.0384844 ± 0.0162417	0.0078256 ± 0.0277229	1.7082391 ± 0.0490022
16D05842	7.0 %	0.0053893 ± 0.0002136	<b>0.0143265</b> ± 0.0176017	0.0397912 ± 0.0162417	0.0074814 ± 0.0277229	1.6988155 ± 0.0490022
16D05844	7.6 %	0.0053457 ± 0.0002136	<b>0.0141440</b> ± 0.0176017	0.0443183 ± 0.0162417	0.0069851 ± 0.0277229	1.6833339 ± 0.0490022
16D05845	8.2 %	0.0053347 ± 0.0002136	<b>0.0138405</b> ± 0.0176017	0.0473588 ± 0.0162417	0.0067630 ± 0.0277229	1.6767294 ± 0.0490022
16D05846	9.0 %	0.0053299 ± 0.0002136	<b>0.0133933</b> ± 0.0176017	0.0507513 ± 0.0162417	0.0065167 ± 0.0277229	1.6705451 ± 0.0490022
16D05848	9.8 %	0.0053338 ± 0.0002136	<b>0.0120681</b> ± 0.0176017	0.0579268 ± 0.0162417	0.0058475 ± 0.0277229	1.6585224 ± 0.0490022
16D05849	10.6 %	0.0053394 ± 0.0002136	<b>0.0111927</b> ± 0.0176017	0.0613081 ± 0.0162417	0.0053803 ± 0.0277229	1.6522668 ± 0.0490022
16D05850	11.2 %	0.0053447 ± 0.0002136	<b>0.0101789</b> ± 0.0176017	0.0642377 ± 0.0162417	0.0048006 ± 0.0277229	1.6455972 ± 0.0490022
16D05852	12.5 %	0.0053454 ± 0.0002136	<b>0.0077533</b> ± 0.0176017	0.0676333 ± 0.0162417	0.0032511 ± 0.0277229	1.6303593 ± 0.0490022
16D05853	13.7 %	0.0053354 ± 0.0002136	<b>0.0063526</b> ± 0.0176017	0.0674755 ± 0.0162417	0.0022629 ± 0.0277229	1.6215030 ± 0.0490022
16D05854	14.7 %	0.0053142 ± 0.0002136	<b>0.0048360</b> ± 0.0176017	0.0656187 ± 0.0162417	0.0011258 ± 0.0277229	1.6116569 ± 0.0490022
16D05856	16.5 %	0.0052248 ± 0.0002136	<b>0.0014887</b> ± 0.0176017	0.0552555 ± 0.0162417	<b>0.0015965</b> ± 0.0277229	1.5885967 ± 0.0490022
16D05857	21.5 %	0.0051489 ± 0.0002136	0.0003223 ± 0.0176017	0.0459034 ± 0.0162417	<b>0.0031739</b> ± 0.0277229	1.5752238 ± 0.0490022
16D05859	24.5 %	0.0049133 ± 0.0002136	0.0041616 ± 0.0176017	0.0165366 ± 0.0162417	<b>0.0067181</b> ± 0.0277229	1.5445168 ± 0.0490022

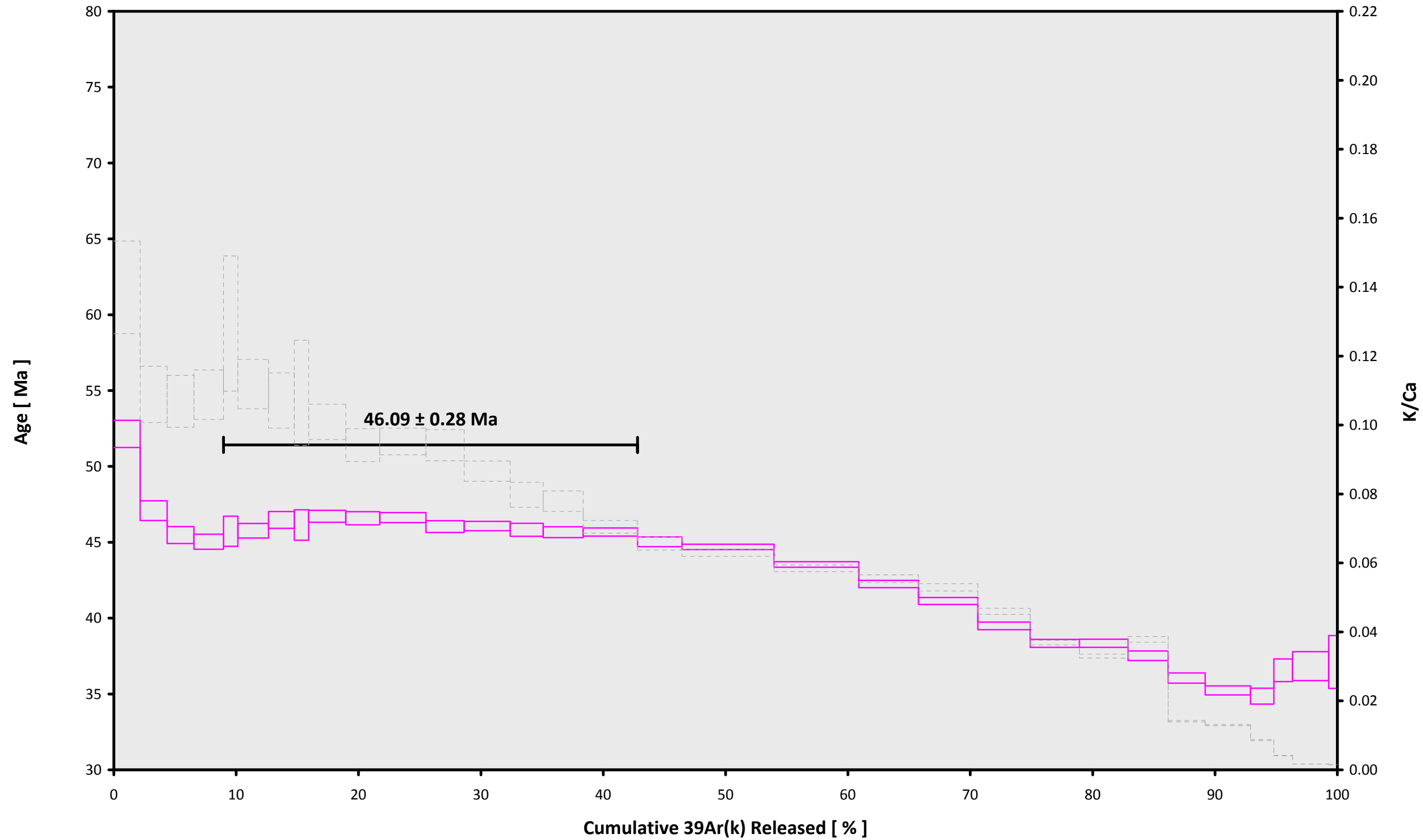
Intercept Values		36Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	37Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	38Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	39Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	40Ar ± 1σ (SE) [fA]	r2	Regression (type,n)
16D05818	1.8 %	0.5470765 ± 0.0010827	0.9031	EXP 150 of 150	0.587949 ± 0.017141	0.0187	EXP 150 of 150	0.2368977 ± 0.0178544	0.0106	EXP 150 of 150	5.6643303 ± 0.0158981	0.7254	EXP 150 of 150	262.678206 ± 0.028715	0.9982	EXP 150 of 150
16D05820	1.9 %	0.2815441 ± 0.0007692	0.7811	EXP 149 of 150	0.690260 ± 0.018188	0.0327	EXP 150 of 150	0.1482914 ± 0.0168860	0.0014	EXP 150 of 150	5.8474995 ± 0.0140740	0.8041	EXP 150 of 150	173.049605 ± 0.028003	0.9899	EXP 150 of 150
16D05821	2.0 %	0.1242914 ± 0.0005388	0.2664	EXP 150 of 150	0.704395 ± 0.016507	0.0760	EXP 150 of 150	0.1330020 ± 0.0165638	0.0027	EXP 150 of 150	5.8398808 ± 0.0151934	0.7959	EXP 150 of 150	120.982580 ± 0.023964	0.7684	EXP 150 of 150
16D05822	2.1 %	0.0751885 ± 0.0004407	0.0170	EXP 150 of 150	0.757299 ± 0.016727	0.0235	EXP 150 of 150	0.1255345 ± 0.0174400	0.0070	EXP 149 of 150	6.3704799 ± 0.0154884	0.8391	EXP 149 of 150	112.402601 ± 0.023385	0.1699	EXP 150 of 150
16D05824	2.2 %	0.0379408 ± 0.0003618	0.4559	EXP 150 of 150	0.306442 ± 0.014684	0.0126	EXP 149 of 150	0.1278261 ± 0.0156626	0.0155	EXP 150 of 150	3.0990434 ± 0.0147059	0.4228	EXP 150 of 150	55.680449 ± 0.020015	0.9923	EXP 150 of 150
16D05825	2.4 %	0.0423692 ± 0.0003043	0.5144	EXP 149 of 150	0.759988 ± 0.015840	0.0169	EXP 150 of 150	0.1150851 ± 0.0170779	0.0018	EXP 150 of 150	6.5566796 ± 0.0169047	0.8334	EXP 150 of 150	106.505055 ± 0.022153	0.3292	EXP 149 of 150
16D05826	2.6 %	0.0320708 ± 0.0002866	0.6442	EXP 149 of 150	0.670282 ± 0.017052	0.0211	EXP 148 of 150	0.1276125 ± 0.0155127	0.0023	EXP 150 of 150	5.5485836 ± 0.0139213	0.8422	EXP 150 of 150	90.082259 ± 0.020695	0.9059	EXP 150 of 150
16D05828	2.8 %	0.0180598 ± 0.0002457	0.7678	EXP 150 of 150	0.361185 ± 0.017826	0.0047	EXP 150 of 150	0.0760926 ± 0.0168555	0.0043	EXP 149 of 150	3.0880343 ± 0.0163218	0.4720	EXP 150 of 150	49.737983 ± 0.020014	0.9927	EXP 150 of 150
16D05829	3.0 %	0.0315586 ± 0.0002954	0.6422	EXP 149 of 150	1.017117 ± 0.017677	0.1776	EXP 150 of 150	0.1515712 ± 0.0165782	0.0098	EXP 150 of 150	7.9079848 ± 0.0150324	0.9107	EXP 150 of 150	124.779831 ± 0.021022	0.9692	EXP 149 of 150
16D05830	3.2 %	0.0239911 ± 0.0003034	0.6777	EXP 150 of 150	0.996763 ± 0.016844	0.1261	EXP 150 of 150	0.1559329 ± 0.0160077	0.0038	EXP 150 of 150	7.2408354 ± 0.0162825	0.8678	EXP 150 of 150	112.232984 ± 0.023941	0.8358	EXP 150 of 150
16D05832	3.6 %	0.0284138 ± 0.0002830	0.6975	EXP 150 of 150	1.341991 ± 0.019013	0.0976	EXP 150 of 150	0.1855488 ± 0.0161365	0.0261	EXP 150 of 150	9.8410816 ± 0.0179463	0.9174	EXP 150 of 150	151.623811 ± 0.023656	0.9912	EXP 150 of 150
16D05833	4.0 %	0.0243466 ± 0.0002522	0.7294	EXP 150 of 150	1.117960 ± 0.019002	0.1041	EXP 150 of 150	0.1488634 ± 0.0168769	0.0002	EXP 150 of 150	8.1225253 ± 0.0169098	0.8843	EXP 150 of 150	123.803143 ± 0.025563	0.9512	EXP 150 of 150
16D05834	4.3 %	0.0271347 ± 0.0002648	0.7471	EXP 150 of 150	1.465064 ± 0.014983	0.2178	EXP 150 of 150	0.1623458 ± 0.0157355	0.0029	EXP 150 of 150	9.7830108 ± 0.0140544	0.9489	EXP 150 of 150	148.274159 ± 0.024603	0.9883	EXP 150 of 150
16D05836	4.6 %	0.0204599 ± 0.0002527	0.7469	EXP 150 of 150	1.138154 ± 0.017170	0.0834	EXP 150 of 150	0.1477560 ± 0.0142179	0.0119	EXP 150 of 150	7.0269387 ± 0.0149323	0.8957	EXP 150 of 150	105.981116 ± 0.022344	0.7813	EXP 150 of 150
16D05837	4.9 %	0.0239409 ± 0.0002312	0.7712	EXP 150 of 150	1.414654 ± 0.018580	0.1064	EXP 149 of 150	0.1584431 ± 0.0157292	0.0060	EXP 150 of 150	8.5165595 ± 0.0157565	0.9092	EXP 150 of 150	127.708216 ± 0.023324	0.9741	EXP 150 of 150
16D05838	5.2 %	0.0322630 ± 0.0003051	0.6510	EXP 150 of 150	2.124649 ± 0.017082	0.3101	EXP 150 of 150	0.1763647 ± 0.0166844	0.0000	EXP 150 of 150	11.5350791 ± 0.0146404	0.9566	EXP 150 of 150	172.435081 ± 0.027251	0.9940	EXP 150 of 150
16D05840	5.8 %	0.0271276 ± 0.0002982	0.7010	EXP 149 of 150	1.870721 ± 0.016273	0.2741	EXP 150 of 150	0.1651020 ± 0.0160406	0.0005	EXP 150 of 150	9.4738578 ± 0.0155215	0.9344	EXP 150 of 150	139.457602 ± 0.022640	0.9880	EXP 148 of 150
16D05841	6.4 %	0.0526514 ± 0.0003904	0.4365	EXP 150 of 150	4.040803 ± 0.016370	0.6896	EXP 150 of 150	0.2804385 ± 0.0159103	0.0015	EXP 149 of 150	19.5630440 ± 0.0175808	0.9816	EXP 150 of 150	284.446148 ± 0.033119	0.9986	EXP 150 of 150
16D05842	7.0 %	0.0523031 ± 0.0003768	0.3974	EXP 150 of 150	4.012692 ± 0.017410	0.6640	EXP 150 of 150	0.2672521 ± 0.0176912	0.0014	EXP 150 of 150	18.0417111 ± 0.0170925	0.9796	EXP 150 of 150	255.920023 ± 0.028438	0.9985	EXP 150 of 150
16D05844	7.6 %	0.0408413 ± 0.0003178	0.4708	EXP 150 of 150	2.969939 ± 0.016318	0.5430	EXP 150 of 150	0.2528525 ± 0.0167576	0.0320	EXP 150 of 150	12.6871399 ± 0.0172408	0.9567	EXP 150 of 150	175.491706 ± 0.022507	0.9963	EXP 150 of 150
16D05845	8.2 %	0.0428076 ± 0.0003438	0.4859	EXP 150 of 150	3.092779 ± 0.016165	0.6170	EXP 150 of 150	0.2397896 ± 0.0154463	0.0047	EXP 150 of 150	12.6190802 ± 0.0151226	0.9632	EXP 150 of 150	170.324330 ± 0.025075	0.9944	EXP 150 of 150
16D05846	9.0 %	0.0433043 ± 0.0003615	0.3745	EXP 150 of 150	3.148622 ± 0.015677	0.5439	EXP 150 of 150	0.2327143 ± 0.0167668	0.0015	EXP 150 of 150	11.1691426 ± 0.0164880	0.9463	EXP 150 of 150	145.322785 ± 0.024646	0.9870	EXP 150 of 150
16D05848	9.8 %	0.0491742 ± 0.0003829	0.2380	EXP 150 of 150	3.681950 ± 0.017109	0.5689	EXP 150 of 150	0.2093548 ± 0.0147772	0.0000	EXP 150 of 150	10.4868855 ± 0.0160679	0.9441	EXP 150 of 150	133.127899 ± 0.023054	0.9835	EXP 150 of 150
16D05849	10.6 %	0.0548024 ± 0.0003384	0.2924	EXP 150 of 150	4.072091 ± 0.017634	0.6173	EXP 150 of 150	0.2714026 ± 0.0157661	0.0203	EXP 150 of 150	10.3835696 ± 0.0176156	0.9261	EXP 150 of 150	132.503324 ± 0.022664	0.9821	EXP 150 of 150
16D05850	11.2 %	0.0418879 ± 0.0003329	0.4139	EXP 150 of 150	2.933265 ± 0.019073	0.4233	EXP 150 of 150	0.1845564 ± 0.0163443	0.0079	EXP 150 of 150	8.5738594 ± 0.0163460	0.9063	EXP 150 of 150	107.331990 ± 0.022640	0.8548	EXP 149 of 150
16D05852	12.5 %	0.0858176 ± 0.0004182	0.1645	EXP 150 of 150	7.258655 ± 0.018924	0.8388	EXP 150 of 150	0.2090766 ± 0.0162321	0.0020	EXP 150 of 150	7.9974278 ± 0.0145651	0.9121	EXP 150 of 150	97.962824 ± 0.022803	0.4202	EXP 150 of 150
16D05853	13.7 %	0.1121101 ± 0.0005549	0.2991	EXP 150 of 150	9.666274 ± 0.017183	0.9215	EXP 149 of 150	0.2538080 ± 0.0155471	0.0204	EXP 150 of 150	9.7946728 ± 0.0164395	0.9355	EXP 150 of 150	117.460174 ± 0.024323	0.9514	EXP 150 of 150
16D05854	14.7 %	0.0826963 ± 0.0004303	0.0582	EXP 149 of 150	7.503380 ± 0.020208	0.8324	EXP 150 of 150	0.1334447 ± 0.0152393	0.0070	EXP 150 of 150	5.1126708 ± 0.0160210	0.7438	EXP 150 of 150	61.200759 ± 0.020437	0.9834	EXP 148 of 150
16D05856	16.5 %	0.1263420 ± 0.0005274	0.3910	EXP 150 of 150	12.540115 ± 0.019494	0.9357	EXP 150 of 150	0.1560944 ± 0.0144617	0.0048	EXP 150 of 150	4.2343448 ± 0.0159405	0.6465	EXP 150 of 150	52.861727 ± 0.018528	0.9896	EXP 150 of 150
16D05857	21.5 %	0.5600465 ± 0.0011740	0.9074	EXP 150 of 150	60.023801 ± 0.021957	0.9962	EXP 150 of 150	0.2853185 ± 0.0164479	0.0084	EXP 150 of 150	8.9851757 ± 0.0146769	0.9308	EXP 150 of 150	108.077393 ± 0.020825	0.8447	EXP 150 of 150
16D05859	24.5 %	0.1522700 ± 0.0005550	0.6090	EXP 150 of 150	15.873422 ± 0.018991	0.9615	EXP 150 of 150	0.0686939 ± 0.0145732	0.0287	EXP 150 of 150	2.1746902 ± 0.0160057	0.2250	EXP 150 of 150	27.754482 ± 0.017002	0.9966	EXP 150 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
16D05818	1.8 %	Kevin Konrad	15-OSU-04	0.00	0.00	25.43	French Polynesia\Rurutu (13-INT-08)	16D05817	01
16D05820	1.9 %	Kevin Konrad	15-OSU-04	0.00	0.00	25.43	French Polynesia\Rurutu (13-INT-08)	16D05817	01
16D05821	2.0 %	Kevin Konrad	15-OSU-04	0.00	0.00	25.43	French Polynesia\Rurutu (13-INT-08)	16D05817	01
16D05822	2.1 %	Kevin Konrad	15-OSU-04	0.00	0.00	25.43	French Polynesia\Rurutu (13-INT-08)	16D05817	01
16D05824	2.2 %	Kevin Konrad	15-OSU-04	0.00	0.00	25.43	French Polynesia\Rurutu (13-INT-08)	16D05817	01
16D05825	2.4 %	Kevin Konrad	15-OSU-04	0.00	0.00	25.43	French Polynesia\Rurutu (13-INT-08)	16D05817	01
16D05826	2.6 %	Kevin Konrad	15-OSU-04	0.00	0.00	25.43	French Polynesia\Rurutu (13-INT-08)	16D05817	01
16D05828	2.8 %	Kevin Konrad	15-OSU-04	0.00	0.00	25.43	French Polynesia\Rurutu (13-INT-08)	16D05817	01
16D05829	3.0 %	Kevin Konrad	15-OSU-04	0.00	0.00	25.43	French Polynesia\Rurutu (13-INT-08)	16D05817	01
16D05830	3.2 %	Kevin Konrad	15-OSU-04	0.00	0.00	25.43	French Polynesia\Rurutu (13-INT-08)	16D05817	01
16D05832	3.6 %	Kevin Konrad	15-OSU-04	0.00	0.00	25.43	French Polynesia\Rurutu (13-INT-08)	16D05817	01
16D05833	4.0 %	Kevin Konrad	15-OSU-04	0.00	0.00	25.43	French Polynesia\Rurutu (13-INT-08)	16D05817	01
16D05834	4.3 %	Kevin Konrad	15-OSU-04	0.00	0.00	25.43	French Polynesia\Rurutu (13-INT-08)	16D05817	01
16D05836	4.6 %	Kevin Konrad	15-OSU-04	0.00	0.00	25.43	French Polynesia\Rurutu (13-INT-08)	16D05817	01
16D05837	4.9 %	Kevin Konrad	15-OSU-04	0.00	0.00	25.43	French Polynesia\Rurutu (13-INT-08)	16D05817	01
16D05838	5.2 %	Kevin Konrad	15-OSU-04	0.00	0.00	25.43	French Polynesia\Rurutu (13-INT-08)	16D05817	01
16D05840	5.8 %	Kevin Konrad	15-OSU-04	0.00	0.00	25.43	French Polynesia\Rurutu (13-INT-08)	16D05817	01
16D05841	6.4 %	Kevin Konrad	15-OSU-04	0.00	0.00	25.43	French Polynesia\Rurutu (13-INT-08)	16D05817	01
16D05842	7.0 %	Kevin Konrad	15-OSU-04	0.00	0.00	25.43	French Polynesia\Rurutu (13-INT-08)	16D05817	01
16D05844	7.6 %	Kevin Konrad	15-OSU-04	0.00	0.00	25.43	French Polynesia\Rurutu (13-INT-08)	16D05817	01
16D05845	8.2 %	Kevin Konrad	15-OSU-04	0.00	0.00	25.43	French Polynesia\Rurutu (13-INT-08)	16D05817	01
16D05846	9.0 %	Kevin Konrad	15-OSU-04	0.00	0.00	25.43	French Polynesia\Rurutu (13-INT-08)	16D05817	01
16D05848	9.8 %	Kevin Konrad	15-OSU-04	0.00	0.00	25.43	French Polynesia\Rurutu (13-INT-08)	16D05817	01
16D05849	10.6 %	Kevin Konrad	15-OSU-04	0.00	0.00	25.43	French Polynesia\Rurutu (13-INT-08)	16D05817	01
16D05850	11.2 %	Kevin Konrad	15-OSU-04	0.00	0.00	25.43	French Polynesia\Rurutu (13-INT-08)	16D05817	01
16D05852	12.5 %	Kevin Konrad	15-OSU-04	0.00	0.00	25.43	French Polynesia\Rurutu (13-INT-08)	16D05817	01
16D05853	13.7 %	Kevin Konrad	15-OSU-04	0.00	0.00	25.43	French Polynesia\Rurutu (13-INT-08)	16D05817	01
16D05854	14.7 %	Kevin Konrad	15-OSU-04	0.00	0.00	25.43	French Polynesia\Rurutu (13-INT-08)	16D05817	01
16D05856	16.5 %	Kevin Konrad	15-OSU-04	0.00	0.00	25.43	French Polynesia\Rurutu (13-INT-08)	16D05817	01
16D05857	21.5 %	Kevin Konrad	15-OSU-04	0.00	0.00	25.43	French Polynesia\Rurutu (13-INT-08)	16D05817	01
16D05859	24.5 %	Kevin Konrad	15-OSU-04	0.00	0.00	25.43	French Polynesia\Rurutu (13-INT-08)	16D05817	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	
16D05818	1.8 %	RR1310-D22-29	Groundmass	Rurutu Hotspot	FCT-NM (4A18-15)	28.201	0.082	Kuiper et al (2008)	8.90893	0.17	0.00176423	0.170	304.479	0.184	0.99261804	0.073	1	4.8E-14	11	FEB	2016	9	3	1
16D05820	1.9 %	RR1310-D22-29	Groundmass	Rurutu Hotspot	FCT-NM (4A18-15)	28.201	0.082	Kuiper et al (2008)	8.90893	0.17	0.00176423	0.170	304.479	0.184	0.99261804	0.073	1	4.8E-14	11	FEB	2016	9	23	1
16D05821	2.0 %	RR1310-D22-29	Groundmass	Rurutu Hotspot	FCT-NM (4A18-15)	28.201	0.082	Kuiper et al (2008)	8.90893	0.17	0.00176423	0.170	304.479	0.184	0.99261804	0.073	1	4.8E-14	11	FEB	2016	9	35	1
16D05822	2.1 %	RR1310-D22-29	Groundmass	Rurutu Hotspot	FCT-NM (4A18-15)	28.201	0.082	Kuiper et al (2008)	8.90893	0.17	0.00176423	0.170	304.479	0.184	0.99261804	0.073	1	4.8E-14	11	FEB	2016	9	46	1
16D05824	2.2 %	RR1310-D22-29	Groundmass	Rurutu Hotspot	FCT-NM (4A18-15)	28.201	0.082	Kuiper et al (2008)	8.90893	0.17	0.00176423	0.170	304.479	0.184	0.99261804	0.073	1	4.8E-14	11	FEB	2016	10	6	1
16D05825	2.4 %	RR1310-D22-29	Groundmass	Rurutu Hotspot	FCT-NM (4A18-15)	28.201	0.082	Kuiper et al (2008)	8.90893	0.17	0.00176423	0.170	304.479	0.184	0.99261804	0.073	1	4.8E-14	11	FEB	2016	10	16	1
16D05826	2.6 %	RR1310-D22-29	Groundmass	Rurutu Hotspot	FCT-NM (4A18-15)	28.201	0.082	Kuiper et al (2008)	8.90893	0.17	0.00176423	0.170	304.479	0.184	0.99261804	0.073	1	4.8E-14	11	FEB	2016	10	26	1
16D05828	2.8 %	RR1310-D22-29	Groundmass	Rurutu Hotspot	FCT-NM (4A18-15)	28.201	1.082	Kuiper et al (2008)	8.90893	0.17	0.00176423	0.170	304.479	0.184	0.99261804	0.073	1	4.8E-14	11	FEB	2016	10	46	1
16D05829	3.0 %	RR1310-D22-29	Groundmass	Rurutu Hotspot	FCT-NM (4A18-15)	28.201	2.082	Kuiper et al (2008)	8.90893	0.17	0.00176423	0.170	304.479	0.184	0.99261804	0.073	1	4.8E-14	11	FEB	2016	10	56	1
16D05830	3.2 %	RR1310-D22-29	Groundmass	Rurutu Hotspot	FCT-NM (4A18-15)	28.201	2.082	Kuiper et al (2008)	8.90893	0.17	0.00176423	0.170	304.479	0.184	0.99261804	0.073	1	4.8E-14	11	FEB	2016	11	6	1
16D05832	3.6 %	RR1310-D22-29	Groundmass	Rurutu Hotspot	FCT-NM (4A18-15)	28.201	2.082	Kuiper et al (2008)	8.90893	0.17	0.00176423	0.170	304.479	0.184	0.99261804	0.073	1	4.8E-14	11	FEB	2016	11	26	1
16D05833	4.0 %	RR1310-D22-29	Groundmass	Rurutu Hotspot	FCT-NM (4A18-15)	28.201	2.082	Kuiper et al (2008)	8.90893	0.17	0.00176423	0.170	304.479	0.184	0.99261804	0.073	1	4.8E-14	11	FEB	2016	11	36	1
16D05834	4.3 %	RR1310-D22-29	Groundmass	Rurutu Hotspot	FCT-NM (4A18-15)	28.201	2.082	Kuiper et al (2008)	8.90893	0.17	0.00176423	0.170	304.479	0.184	0.99261804	0.073	1	4.8E-14	11	FEB	2016	11	46	1
16D05836	4.6 %	RR1310-D22-29	Groundmass	Rurutu Hotspot	FCT-NM (4A18-15)	28.201	2.082	Kuiper et al (2008)	8.90893	0.17	0.00176423	0.170	304.479	0.184	0.99261804	0.073	1	4.8E-14	11	FEB	2016	12	6	1
16D05837	4.9 %	RR1310-D22-29	Groundmass	Rurutu Hotspot	FCT-NM (4A18-15)	28.201	2.082	Kuiper et al (2008)	8.90893	0.17	0.00176423	0.170	304.479	0.184	0.99261804	0.073	1	4.8E-14	11	FEB	2016	12	16	1
16D05838	5.2 %	RR1310-D22-29	Groundmass	Rurutu Hotspot	FCT-NM (4A18-15)	28.201	2.082	Kuiper et al (2008)	8.90893	0.17	0.00176423	0.170	304.479	0.184	0.99261804	0.073	1	4.8E-14	11	FEB	2016	12	26	1
16D05840	5.8 %	RR1310-D22-29	Groundmass	Rurutu Hotspot	FCT-NM (4A18-15)	28.201	2.082	Kuiper et al (2008)	8.90893	0.17	0.00176423	0.170	304.479	0.184	0.99261804	0.073	1	4.8E-14	11	FEB	2016	12	46	1
16D05841	6.4 %	RR1310-D22-29	Groundmass	Rurutu Hotspot	FCT-NM (4A18-15)	28.201	2.082	Kuiper et al (2008)	8.90893	0.17	0.00176423	0.170	304.479	0.184	0.99261804	0.073	1	4.8E-14	11	FEB	2016	12	56	1
16D05842	7.0 %	RR1310-D22-29	Groundmass	Rurutu Hotspot	FCT-NM (4A18-15)	28.201	2.082	Kuiper et al (2008)	8.90893	0.17	0.00176423	0.170	304.479	0.184	0.99261804	0.073	1	4.8E-14	11	FEB	2016	13	6	1
16D05844	7.6 %	RR1310-D22-29	Groundmass	Rurutu Hotspot	FCT-NM (4A18-15)	28.201	2.082	Kuiper et al (2008)	8.90893	0.17	0.00176423	0.170	304.479	0.184	0.99261804	0.073	1	4.8E-14	11	FEB	2016	13	26	1
16D05845	8.2 %	RR1310-D22-29	Groundmass	Rurutu Hotspot	FCT-NM (4A18-15)	28.201	2.082	Kuiper et al (2008)	8.90893	0.17	0.00176423	0.170	304.479	0.184	0.99261804	0.073	1	4.8E-14	11	FEB	2016	13	36	1
16D05846	9.0 %	RR1310-D22-29	Groundmass	Rurutu Hotspot	FCT-NM (4A18-15)	28.201	2.082	Kuiper et al (2008)	8.90893	0.17	0.00176423	0.170	304.479	0.184	0.99261804	0.073	1	4.8E-14	11	FEB	2016	13	46	1
16D05848	9.8 %	RR1310-D22-29	Groundmass	Rurutu Hotspot	FCT-NM (4A18-15)	28.201	2.082	Kuiper et al (2008)	8.90893	0.17	0.00176423	0.170	304.479	0.184	0.99261804	0.073	1	4.8E-14	11	FEB	2016	14	6	1
16D05849	10.6 %	RR1310-D22-29	Groundmass	Rurutu Hotspot	FCT-NM (4A18-15)	28.201	2.082	Kuiper et al (2008)	8.90893	0.17	0.00176423	0.170	304.479	0.184	0.99261804	0.073	1	4.8E-14	11	FEB	2016	14	16	1
16D05850	11.2 %	RR1310-D22-29	Groundmass	Rurutu Hotspot	FCT-NM (4A18-15)	28.201	2.082	Kuiper et al (2008)	8.90893	0.17	0.00176423	0.170	304.479	0.184	0.99261804	0.073	1	4.8E-14	11	FEB	2016	14	26	1
16D05852	12.5 %	RR1310-D22-29	Groundmass	Rurutu Hotspot	FCT-NM (4A18-15)	28.201	2.082	Kuiper et al (2008)	8.90893	0.17	0.00176423	0.170	304.479	0.184	0.99261804	0.073	1	4.8E-14	11	FEB	2016	14	46	1
16D05853	13.7 %	RR1310-D22-29	Groundmass	Rurutu Hotspot	FCT-NM (4A18-15)	28.201	2.082	Kuiper et al (2008)	8.90893	0.17	0.00176423	0.170	304.479	0.184	0.99261804	0.073	1	4.8E-14	11	FEB	2016	14	56	1
16D05854	14.7 %	RR1310-D22-29	Groundmass	Rurutu Hotspot	FCT-NM (4A18-15)	28.201	2.082	Kuiper et al (2008)	8.90893	0.17	0.00176423	0.170	304.479	0.184	0.99261804	0.073	1	4.8E-14	11	FEB	2016	15	6	1
16D05856	16.5 %	RR1310-D22-29	Groundmass	Rurutu Hotspot	FCT-NM (4A18-15)	28.201	2.082	Kuiper et al (2008)	8.90893	0.17	0.00176423	0.170	304.479	0.184	0.99261804	0.073	1	4.8E-14	11	FEB	2016	15	26	1
16D05857	21.5 %	RR1310-D22-29	Groundmass	Rurutu Hotspot	FCT-NM (4A18-15)	28.201	2.082	Kuiper et al (2008)	8.90893	0.17	0.00176423	0.170	304.479	0.184	0.99261804	0.073	1	4.8E-14	11	FEB	2016	15	36	1
16D05859	24.5 %	RR1310-D22-29	Groundmass	Rurutu Hotspot	FCT-NM (4A18-15)	28.201	2.082	Kuiper et al (2008)	8.90893	0.17	0.00176423	0.170	304.479	0.184	0.99261804	0.073	1	4.8E-14	11	FEB	2016	15	56	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	
16D05818	1.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D05820	1.9 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D05821	2.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D05822	2.1 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D05824	2.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D05825	2.4 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D05826	2.6 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D05828	2.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D05829	3.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D05830	3.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D05832	3.6 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D05833	4.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D05834	4.3 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D05836	4.6 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D05837	4.9 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D05838	5.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D05840	5.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D05841	6.4 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D05842	7.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D05844	7.6 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D05845	8.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D05846	9.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D05848	9.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D05849	10.6 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D05850	11.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D05852	12.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D05853	13.7 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D05854	14.7 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D05856	16.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D05857	21.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
16D05859	24.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.0006756	1.32	0.0000718	12.82	0.0002663	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0

16D05817.AGE >>> RR1310-D22-29 >>> FRENCH POLYNESIA | RURUTU (13-INT-08) PROJECT



**Ar-Ages in Ma**

**WEIGHTED PLATEAU**

$46.09 \pm 0.28$

**TOTAL FUSION**

$42.88 \pm 0.16$

**NORMAL ISOCHRON**

$45.86 \pm 0.41$

**INVERSE ISOCHRON**

$46.06 \pm 0.40$

**MSWD (PROBABILITY)**

$4.27$  (0%)

**Sample Info**

Groundmass

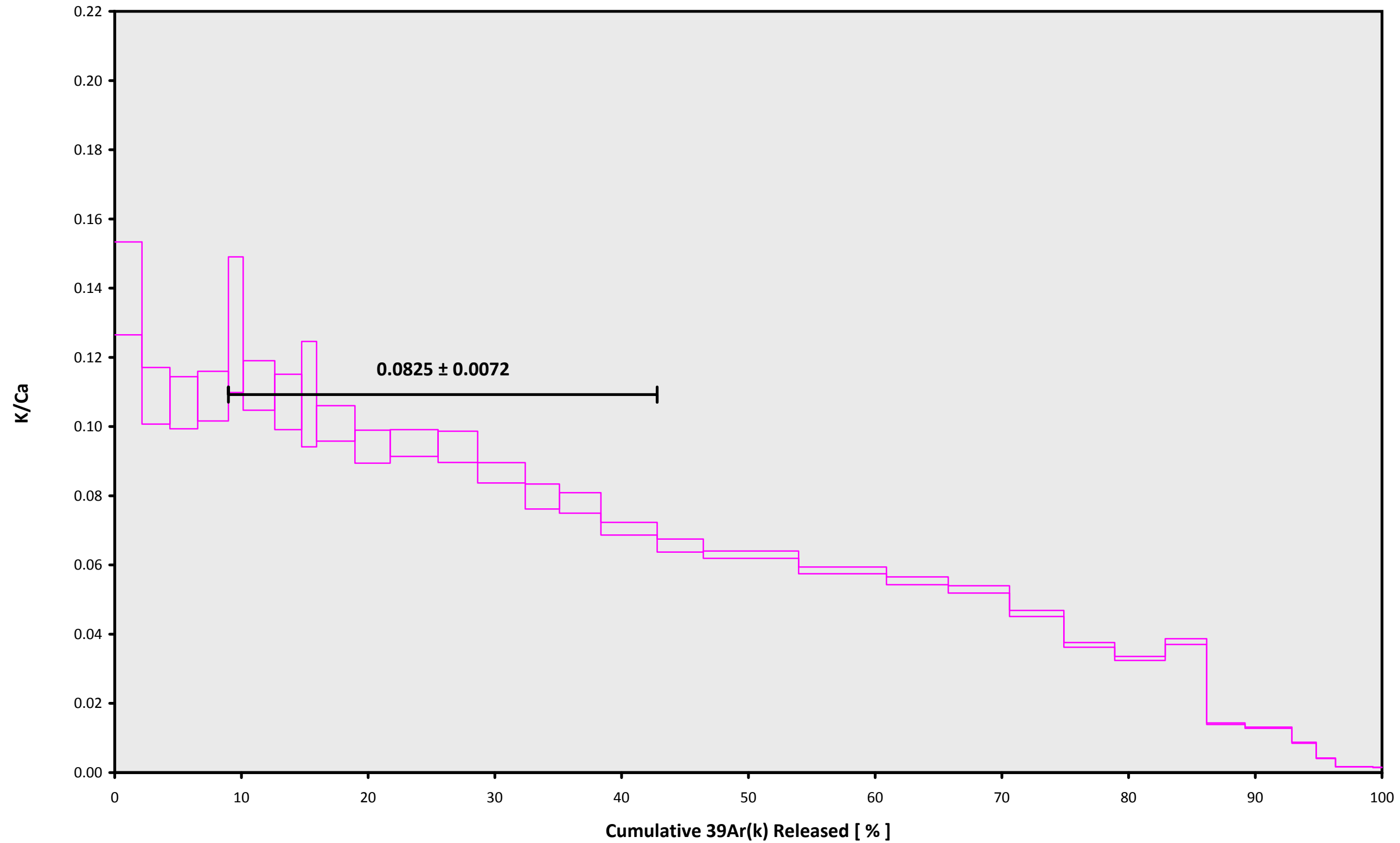
Rurutu Hotspot

Kevin Konrad

IRR = 15-OSU-04 (4A18-15)

J =  $0.00176423 \pm 0.00000300$

16D05817.AGE >>> RR1310-D22-29 >>> FRENCH POLYNESIA | RURUTU (13-INT-08) PROJECT



**Ar-Ages in Ma**

**WEIGHTED PLATEAU**

**$46.09 \pm 0.28$**

**TOTAL FUSION**

**$42.88 \pm 0.16$**

**NORMAL ISOCHRON**

**$45.86 \pm 0.41$**

**INVERSE ISOCHRON**

**$46.06 \pm 0.40$**

**Sample Info**

**Groundmass**

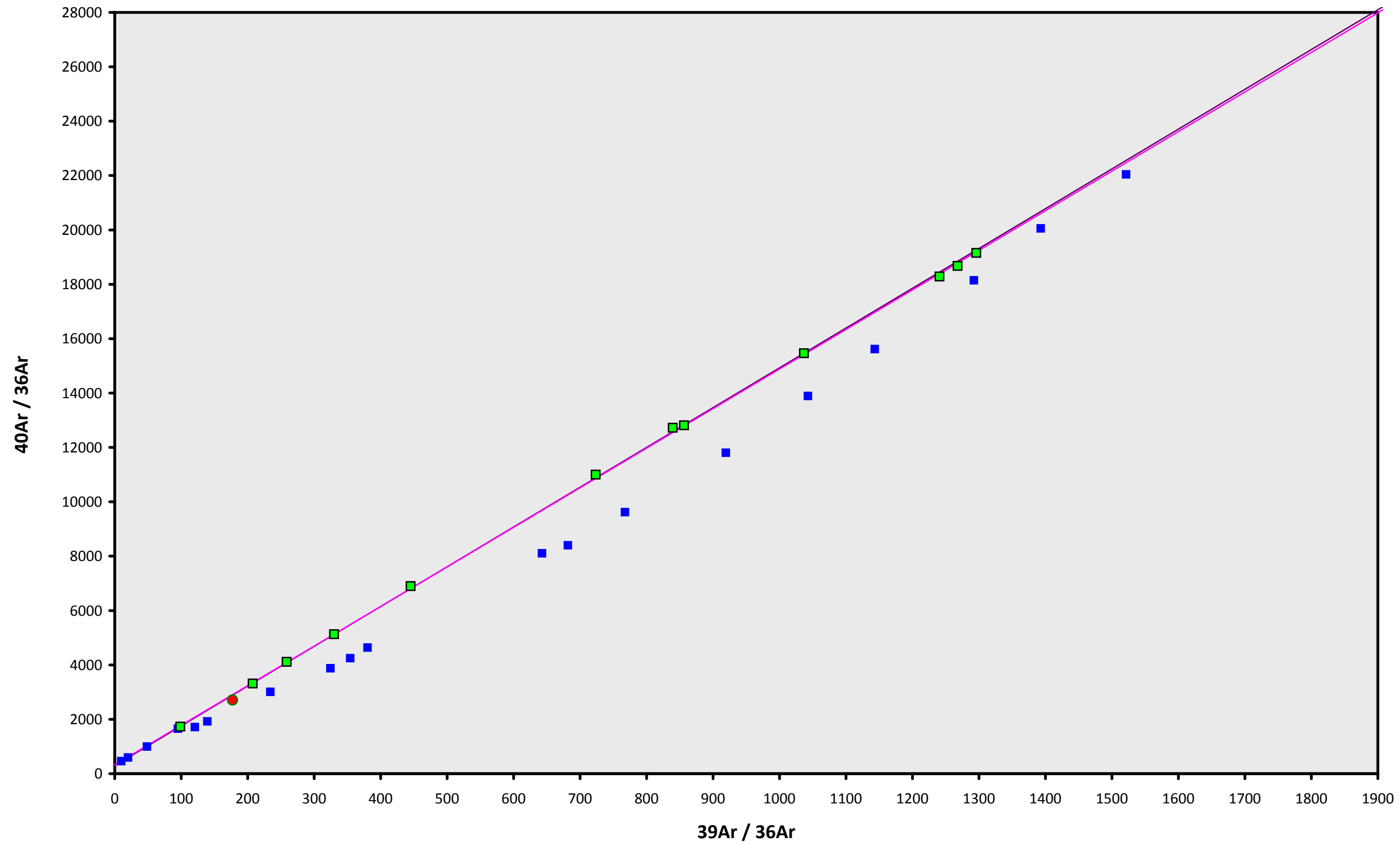
**Rurutu Hotspot**

**Kevin Konrad**

**IRR = 15-OSU-04 (4A18-15)**

**J =  $0.00176423 \pm 0.00000300$**

16D05817.AGE >>> RR1310-D22-29 >>> FRENCH POLYNESIA | RURUTU (13-INT-08) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

46.09 ± 0.28

TOTAL FUSION

42.88 ± 0.16

NORMAL ISOCHRON

45.86 ± 0.41

INVERSE ISOCHRON

46.06 ± 0.40

MSWD (PROBABILITY)

4.97 (0%)

40AR/36AR INTERCEPT

323.2 ± 55.8

Sample Info

Groundmass

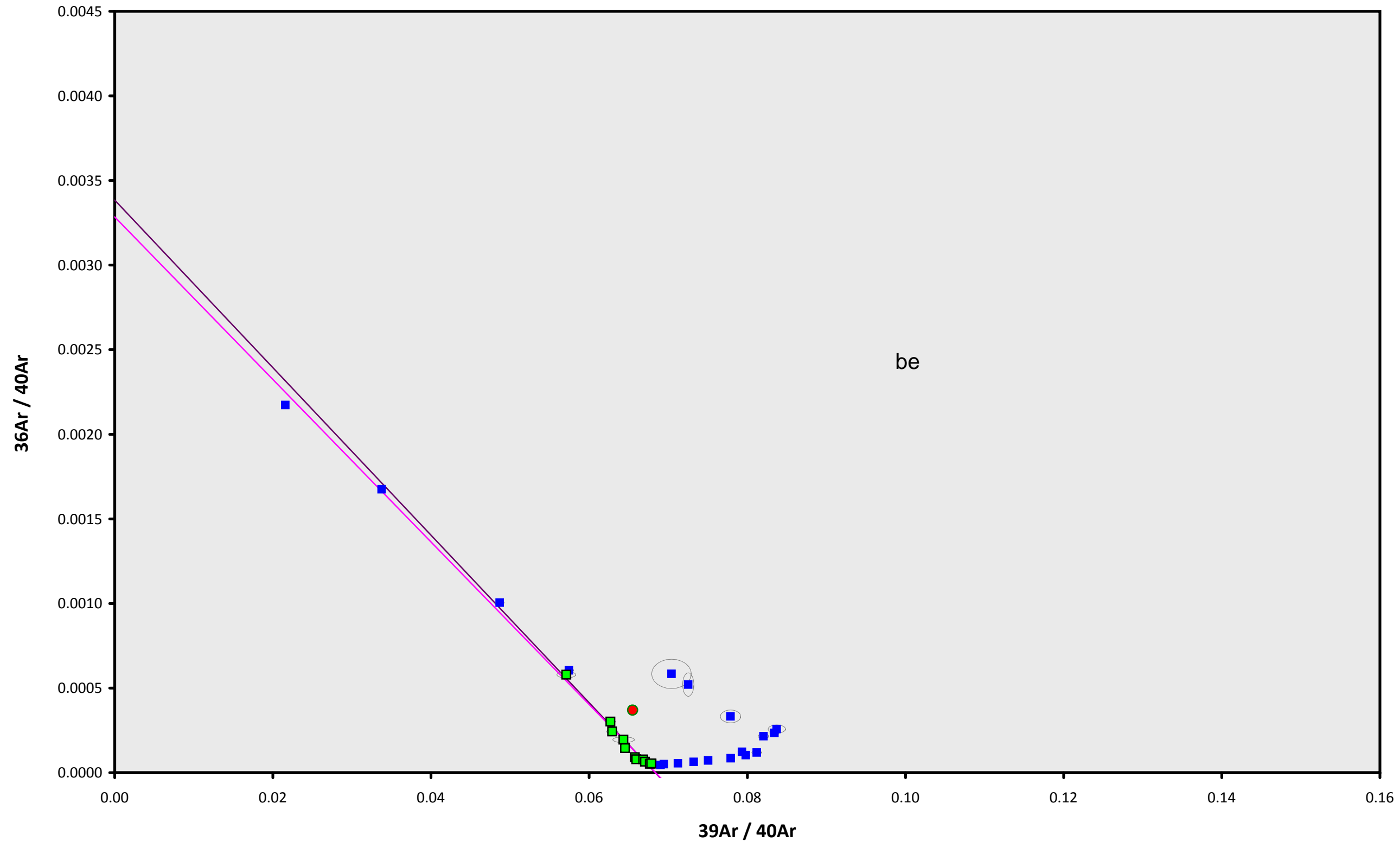
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16D05817.AGE >>> RR1310-D22-29 >>> FRENCH POLYNESIA | RURUTU (13-INT-08) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU  
 $46.09 \pm 0.28$

TOTAL FUSION  
 $42.88 \pm 0.16$

NORMAL ISOCHRON  
 $45.86 \pm 0.41$

INVERSE ISOCHRON  
 $46.06 \pm 0.40$

MSWD (PROBABILITY)  
4.67 (0%)

SPREADING FACTOR  
15.8%

40AR/36AR INTERCEPT  
 $304.5 \pm 52.5$

Sample Info

Groundmass  
Rurutu Hotspot  
Kevin Konrad

IRR = 15-OSU-04 (4A18-15)  
J =  $0.00176423 \pm 0.00000300$