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
16D05985	1.8 %		0.0608176	0.804	51.0973	1.775	0.0088576	260.255	0.81586	2.614	24.7849	0.107	13.86243 ± 0.86495	43.89 ± 2.71	43.70	0.70	0.0066 ± 0.0004
16D05986	2.0 %		0.0377006	1.051	63.4833	1.399	0.0270266	85.201	0.96676	2.215	19.2449	0.139	14.17628 ± 0.72331	44.87 ± 2.26	68.05	0.83	0.0063 ± 0.0003
16D05988	2.2 %		0.0774223	0.773	85.6124	1.138	0.0384980	58.652	1.19727	1.956	33.5891	0.083	15.30961 ± 0.71699	48.41 ± 2.24	51.93	1.03	0.0057 ± 0.0003
16D05989	2.4 %		0.0401545	1.101	85.1553	1.132	0.0213032	105.996	1.12071	2.029	21.7412	0.120	15.58779 ± 0.72739	49.28 ± 2.27	76.23	0.96	0.0054 ± 0.0003
16D05990	2.6 %		0.0271040	1.281	67.7895	1.392	0.0260018	86.790	0.86793	2.465	15.3778	0.175	15.44860 ± 0.86429	48.85 ± 2.70	82.59	0.74	0.0052 ± 0.0003
16D05992	2.8 %		0.0277899	1.407	55.2859	1.511	0.0392906	58.994	0.71894	3.130	14.3026	0.190	15.31825 ± 1.08777	48.44 ± 3.39	73.00	0.61	0.0053 ± 0.0004
16D05993	3.0 %		0.0882460	0.656	155.4376	0.765	0.0205470	112.398	1.98556	1.092	43.8655	0.062	15.95992 ± 0.42489	50.44 ± 1.32	68.42	1.69	0.0052 ± 0.0001
16D05994	3.3 %		0.1266083	0.598	229.9095	0.654	0.0483406	45.523	2.87092	0.761	62.7301	0.046	15.98137 ± 0.32011	50.51 ± 1.00	69.18	2.45	0.0051 ± 0.0001
16D05996	3.6 %	✓	0.0467330	0.922	104.6289	0.970	0.0187781	125.959	1.20545	1.828	24.4522	0.117	16.63056 ± 0.70111	52.53 ± 2.18	77.18	1.02	0.0047 ± 0.0002
16D05997	3.9 %	✓	0.1073910	0.571	226.2380	0.666	0.0398946	59.958	2.68277	0.876	55.4268	0.050	16.39815 ± 0.35190	51.81 ± 1.10	74.85	2.28	0.0048 ± 0.0001
16D05998	4.3 %	✓	0.1554501	0.514	332.5868	0.602	0.0772414	29.693	3.95339	0.559	81.1645	0.036	16.46327 ± 0.25063	52.01 ± 0.78	75.63	3.36	0.0048 ± 0.0001
16D06000	4.6 %	✓	0.0510429	0.929	163.1873	0.754	0.0181153	128.087	1.83909	1.281	31.2893	0.083	16.79793 ± 0.50072	53.05 ± 1.56	92.81	1.56	0.0046 ± 0.0001
16D06001	4.9 %	✓	0.0604100	0.765	198.2512	0.705	0.0269740	86.564	2.30843	0.978	37.8843	0.072	16.38340 ± 0.37897	51.76 ± 1.18	94.04	1.96	0.0047 ± 0.0001
16D06002	5.2 %	✓	0.1115516	0.586	313.2746	0.610	0.0741690	32.185	3.70736	0.634	64.9218	0.045	16.19051 ± 0.26184	51.16 ± 0.82	87.18	3.15	0.0048 ± 0.0001
16D06004	5.5 %	✓	0.0961082	0.637	284.5464	0.622	0.0283030	81.257	3.33432	0.700	57.6385	0.050	16.42793 ± 0.28689	51.90 ± 0.89	89.55	2.83	0.0047 ± 0.0001
16D06005	5.8 %	✓	0.0852951	0.683	262.2260	0.625	0.0549037	45.713	3.02254	0.778	51.3485	0.055	16.43646 ± 0.31369	51.93 ± 0.98	91.08	2.56	0.0047 ± 0.0001
16D06006	6.1 %	✓	0.2264782	0.435	454.1890	0.579	0.0731479	31.080	5.38194	0.406	113.2539	0.027	16.16742 ± 0.20136	51.09 ± 0.63	72.45	4.57	0.0048 ± 0.0001
16D06008	6.5 %	✓	0.0922631	0.668	279.4090	0.620	0.0266163	91.478	3.24034	0.695	55.2319	0.051	16.36652 ± 0.28686	51.71 ± 0.89	90.43	2.75	0.0047 ± 0.0001
16D06009	7.0 %	✓	0.2674934	0.445	571.9462	0.567	0.1099304	21.782	7.15046	0.321	141.9693	0.022	15.95294 ± 0.17138	50.42 ± 0.53	76.01	6.09	0.0051 ± 0.0001
16D06010	7.6 %	✓	0.3223503	0.416	701.2151	0.562	0.0994511	22.754	8.77562	0.256	172.0117	0.019	15.88859 ± 0.15235	50.22 ± 0.47	76.68	7.48	0.0051 ± 0.0001
16D06012	8.4 %	✓	0.3655951	0.392	683.3077	0.564	0.1492117	15.059	8.48440	0.267	183.8287	0.018	16.14597 ± 0.16233	51.02 ± 0.51	70.47	7.23	0.0050 ± 0.0001
16D06013	9.0 %	✓	0.4061961	0.401	704.3049	0.559	0.1467063	16.488	9.00848	0.237	200.7978	0.017	15.95719 ± 0.15958	50.43 ± 0.50	67.81	7.69	0.0052 ± 0.0001
16D06014	9.7 %	✓	0.3980215	0.382	612.0626	0.565	0.1145896	21.191	7.77142	0.297	186.8269	0.017	15.94850 ± 0.17757	50.41 ± 0.55	62.81	6.63	0.0052 ± 0.0001
16D06016	10.5 %	✓	0.3156970	0.417	438.9182	0.582	0.0792112	29.348	5.41588	0.400	141.8445	0.023	16.22778 ± 0.22220	51.28 ± 0.69	58.57	4.61	0.0050 ± 0.0001
16D06017	11.4 %	✓	0.2765466	0.454	353.4141	0.595	0.0725963	33.025	4.32136	0.495	121.1928	0.026	16.47689 ± 0.26610	52.05 ± 0.83	55.51	3.68	0.0050 ± 0.0001
16D06018	12.5 %	✓	0.2435550	0.436	291.2318	0.617	0.0757890	31.848	3.61188	0.629	104.5623	0.028	16.25013 ± 0.29789	51.35 ± 0.93	53.07	3.08	0.0050 ± 0.0001
16D06020	13.1 %		0.1321332	0.584	205.7898	0.692	0.0277583	84.649	2.50556	0.918	66.4683	0.041	18.42694 ± 0.42003	58.11 ± 1.30	65.61	2.13	0.0049 ± 0.0001
16D06021	14.7 %		0.3902373	0.409	338.9273	0.604	0.0999381	23.993	4.62544	0.484	158.6910	0.020	15.92868 ± 0.28092	50.34 ± 0.88	44.13	3.96	0.0056 ± 0.0001
16D06022	15.6 %		0.4218203	0.392	410.5258	0.585	0.1311533	17.592	5.40983	0.410	176.0480	0.018	16.30509 ± 0.25029	51.52 ± 0.78	47.54	4.62	0.0054 ± 0.0001
16D06024	16.8 %		0.2267487	0.486	279.7974	0.627	0.0655520	37.153	3.54239	0.660	106.5816	0.029	18.36436 ± 0.33418	57.92 ± 1.04	57.78	3.02	0.0052 ± 0.0001
16D06025	18.5 %		0.1677405	0.480	207.4948	0.677	0.0362797	63.517	2.50084	0.893	73.0633	0.040	16.86613 ± 0.39126	53.26 ± 1.22	54.49	2.13	0.0049 ± 0.0001
16D06026	19.9 %		0.2330478	0.453	229.4915	0.662	0.0740618	32.011	3.03807	0.744	97.8202	0.031	16.30320 ± 0.34718	51.51 ± 1.08	48.05	2.60	0.0054 ± 0.0001
		Σ	5.6857491	0.096	9440.7351	0.126	1.9502377	6.790	117.38119	0.108	2739.9542	0.006					

Information on Analysis and Constants Used in Calculations

Project = **RURUTU (13-INT-08)**
Sample = **RR1310-D07-09**
Material = **Plagioclase**
Location = **Rurutu Hotspot**
Region = **Tuvalu**
Analyst = **Kevin Konrad**
Irradiation = **15-OSU-04 (4A16-15)**
Position = **X: 0 | Y: 0 | Z/H: 22.82 mm**
FCT-NM Age = **28.201 ± 0.023 Ma**
FCT-NM Reference = **Kuiper et al (2008)**
FCT-NM 40Ar/39Ar Ratio = **8.86813 ± 0.01454**
FCT-NM J-value = **0.00177235 ± 0.00000291**
Air Shot 40Ar/36Ar = **304.5420 ± 0.5604**
Air Shot MDF = **0.99256779 ± 0.00072877 (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-D07-09PL**
Rock Class = **Igneous>Volcanic>Mafic**
Lithology = **Basalt**
Lat-Lon = **5°58.6'S - 176°53.9'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		16.14226 ± 0.10385	**51.01 ± 0.36**	3.69	72.52	0.0050 ± 0.0001
Error Mean		± 0.64%	**± 0.71%**	0%	18	
		Full External Error ± 1.20		1.69	2σ Confidence Limit	
		Analytical Error ± 0.32		1.9217	Error Magnification	
Total Fusion Age		16.23652 ± 0.05069	**51.30 ± 0.23**		32	0.0051 ± 0.0000
		± 0.31%	**± 0.45%**			
		Full External Error ± 1.17				
		Analytical Error ± 0.16				
Normal Isochron	**294.20 ± 9.59**	16.16105 ± 0.23555	**51.07 ± 0.75**	3.86	72.52	
Error Chron	**± 3.26%**	± 1.46%	**± 1.47%**	0%	18	
		Full External Error ± 1.37		1.71	2σ Confidence Limit	
		Analytical Error ± 0.73		1.9651	Error Magnification	
				83	Number of Iterations	
				0.0001528420	Convergence	
Inverse Isochron	**293.56 ± 9.52**	16.18879 ± 0.23380	**51.15 ± 0.75**	3.94	72.52	
Error Chron	**± 3.24%**	± 1.44%	**± 1.46%**	0%	18	
		Full External Error ± 1.37		1.71	2σ Confidence Limit	
		Analytical Error ± 0.73		1.9848	Error Magnification	
				4	Number of Iterations	
				0.0000127695	Convergence	
				40%	Spreading Factor	

Notes
A somewhat scattered (3.68 MSWD) plateau for a plagioclase. Age is deemed reliable and contains an atmospheric intercept.

Incremental Heating			36Ar(a) [fA]	37Ar(ca) [fA]	38Ar(cl) [fA]	39Ar(k) [fA]	40Ar(r) [fA]	Age ± 2σ (Ma)	40Ar(r) (%)	39Ar(k) (%)	K/Ca ± 2σ
16D05985	1.8 %		0.0472104	51.0973	0.0000000	0.78134	10.8312	43.89 ± 2.71	43.70	0.70	0.0066 ± 0.0004
16D05986	2.0 %		0.0207929	63.4833	0.0074673	0.92387	13.0970	44.87 ± 2.26	68.05	0.83	0.0063 ± 0.0003
16D05988	2.2 %		0.0546213	85.6124	0.0084339	1.13943	17.4442	48.41 ± 2.24	51.93	1.03	0.0057 ± 0.0003
16D05989	2.4 %		0.0174776	85.1553	0.0000000	1.06317	16.5725	49.28 ± 2.27	76.23	0.96	0.0054 ± 0.0003
16D05990	2.6 %		0.0090489	67.7895	0.0095523	0.82213	12.7007	48.85 ± 2.70	82.59	0.74	0.0052 ± 0.0003
16D05992	2.8 %		0.0130601	55.2859	0.0246799	0.68159	10.4407	48.44 ± 3.39	73.00	0.61	0.0053 ± 0.0004
16D05993	3.0 %		0.0468529	155.4376	0.0000000	1.88054	30.0133	50.44 ± 1.32	68.42	1.69	0.0052 ± 0.0001
16D05994	3.3 %		0.0653834	229.9095	0.0000000	2.71559	43.3989	50.51 ± 1.00	69.18	2.45	0.0051 ± 0.0001
16D05996	3.6 %	✓	0.0188703	104.6289	0.0000000	1.13476	18.8717	52.53 ± 2.18	77.18	1.02	0.0047 ± 0.0002
16D05997	3.9 %	✓	0.0471438	226.2380	0.0000000	2.52993	41.4861	51.81 ± 1.10	74.85	2.28	0.0048 ± 0.0001
16D05998	4.3 %	✓	0.0668822	332.5868	0.0000000	3.72870	61.3865	52.01 ± 0.78	75.63	3.36	0.0048 ± 0.0001
16D06000	4.6 %	✓	0.0075861	163.1873	0.0000000	1.72884	29.0410	53.05 ± 1.56	92.81	1.56	0.0046 ± 0.0001
16D06001	4.9 %	✓	0.0076157	198.2512	0.0000000	2.17449	35.6255	51.76 ± 1.18	94.04	1.96	0.0047 ± 0.0001
16D06002	5.2 %	✓	0.0281253	313.2746	0.0043623	3.49571	56.5974	51.16 ± 0.82	87.18	3.15	0.0048 ± 0.0001
16D06004	5.5 %	✓	0.0203335	284.5464	0.0000000	3.14208	51.6179	51.90 ± 0.89	89.55	2.83	0.0047 ± 0.0001
16D06005	5.8 %	✓	0.0154643	262.2260	0.0000000	2.84538	46.7680	51.93 ± 0.98	91.08	2.56	0.0047 ± 0.0001
16D06006	6.1 %	✓	0.1055277	454.1890	0.0000000	5.07509	82.0511	51.09 ± 0.63	72.45	4.57	0.0048 ± 0.0001
16D06008	6.5 %	✓	0.0178565	279.4090	0.0000000	3.05157	49.9436	51.71 ± 0.89	90.43	2.75	0.0047 ± 0.0001
16D06009	7.0 %	✓	0.1151842	571.9462	0.0000000	6.76405	107.9065	50.42 ± 0.53	76.01	6.09	0.0051 ± 0.0001
16D06010	7.6 %	✓	0.1356167	701.2151	0.0000000	8.30188	131.9052	50.22 ± 0.47	76.68	7.48	0.0051 ± 0.0001
16D06012	8.4 %	✓	0.1836302	683.3077	0.0000000	8.02276	129.5353	51.02 ± 0.51	70.47	7.23	0.0050 ± 0.0001
16D06013	9.0 %	✓	0.2186397	704.3049	0.0000000	8.53265	136.1572	50.43 ± 0.50	67.81	7.69	0.0052 ± 0.0001
16D06014	9.7 %	✓	0.2350292	612.0626	0.0000000	7.35791	117.3476	50.41 ± 0.55	62.81	6.63	0.0052 ± 0.0001
16D06016	10.5 %	✓	0.1988131	438.9182	0.0000000	5.11935	83.0757	51.28 ± 0.69	58.57	4.61	0.0050 ± 0.0001
16D06017	11.4 %	✓	0.1824324	353.4141	0.0000000	4.08259	67.2684	52.05 ± 0.83	55.51	3.68	0.0050 ± 0.0001
16D06018	12.5 %	✓	0.1660000	291.2318	0.0000000	3.41512	55.4962	51.35 ± 0.93	53.07	3.08	0.0050 ± 0.0001
16D06020	13.1 %		0.0773314	205.7898	0.0000000	2.36652	43.6078	58.11 ± 1.30	65.61	2.13	0.0049 ± 0.0001
16D06021	14.7 %		0.2999810	338.9273	0.0000000	4.39646	70.0298	50.34 ± 0.88	44.13	3.96	0.0056 ± 0.0001
16D06022	15.6 %		0.3124973	410.5258	0.0000000	5.13248	83.6855	51.52 ± 0.78	47.54	4.62	0.0054 ± 0.0001
16D06024	16.8 %		0.1522387	279.7974	0.0000000	3.35336	61.5823	57.92 ± 1.04	57.78	3.02	0.0052 ± 0.0001
16D06025	18.5 %		0.1124846	207.4948	0.0000000	2.36065	39.8151	53.26 ± 1.22	54.49	2.13	0.0049 ± 0.0001
16D06026	19.9 %		0.1719342	229.4915	0.0000000	2.88303	47.0026	51.51 ± 1.08	48.05	2.60	0.0054 ± 0.0001
		Σ	3.1716657	9440.7351	0.0544956	111.00303	1802.3026				

Information on Analysis

Project = **RURUTU (13-INT-08)**
Sample = **RR1310-D07-09**
Material = **Plagioclase**
Location = **Rurutu Hotspot**
Region = **Tuvalu**
Analyst = **Kevin Konrad**
Irradiation = **15-OSU-04 (4A16-15)**
J = **0.00177235 ± 0.00000291**
FCT-NM = **28.201 ± 0.023 Ma**

Results	40(r)/39(k) ± 2σ		Age ± 2σ (Ma)		MSWD	39Ar(k) (%,n)	K/Ca ± 2σ
Age Plateau	16.14226	± 0.10385	**51.01**	**± 0.36**	3.69	72.52	0.0050 ± 0.0001
Error Mean		± 0.64%		**± 0.71%**	0%	18	
			Full External Error	± 1.20	1.69	2σ Confidence Limit	
			Analytical Error	± 0.32	1.9217	Error Magnification	
Total Fusion Age	16.23652	± 0.05069	**51.30**	**± 0.23**		32	0.0051 ± 0.0000
		± 0.31%		**± 0.45%**			
			Full External Error	± 1.17			
			Analytical Error	± 0.16			

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
16D05985	1.8 %		16.55 ± 0.98	524.92 ± 12.18	0.3880
16D05986	2.0 %		44.43 ± 2.85	925.38 ± 41.23	0.6907
16D05988	2.2 %		20.86 ± 0.99	614.87 ± 14.74	0.5013
16D05989	2.4 %		60.83 ± 4.42	1243.72 ± 72.96	0.8068
16D05990	2.6 %		90.85 ± 9.84	1699.06 ± 161.39	0.8761
16D05992	2.8 %		52.19 ± 4.99	1094.93 ± 75.65	0.7211
16D05993	3.0 %		40.14 ± 1.47	936.09 ± 26.52	0.7735
16D05994	3.3 %		41.53 ± 1.28	959.26 ± 25.30	0.8517
16D05996	3.6 %	✓	60.13 ± 4.01	1295.57 ± 70.13	0.8111
16D05997	3.9 %	✓	53.66 ± 1.96	1175.49 ± 36.86	0.8589
16D05998	4.3 %	✓	55.75 ± 1.75	1213.33 ± 35.20	0.9239
16D06000	4.6 %	✓	227.89 ± 35.40	4123.66 ± 630.69	0.9844
16D06001	4.9 %	✓	285.53 ± 45.26	4973.37 ± 781.62	0.9913
16D06002	5.2 %	✓	124.29 ± 7.60	2307.83 ± 137.59	0.9750
16D06004	5.5 %	✓	154.53 ± 12.09	2834.07 ± 217.75	0.9815
16D06005	5.8 %	✓	184.00 ± 17.77	3319.76 ± 315.92	0.9850
16D06006	6.1 %	✓	48.09 ± 1.19	1073.03 ± 24.87	0.9349
16D06008	6.5 %	✓	170.89 ± 15.10	3092.45 ± 269.38	0.9857
16D06009	7.0 %	✓	58.72 ± 1.57	1232.32 ± 31.84	0.9653
16D06010	7.6 %	✓	61.22 ± 1.60	1268.13 ± 32.28	0.9761
16D06012	8.4 %	✓	43.69 ± 0.89	1000.91 ± 19.44	0.9569
16D06013	9.0 %	✓	39.03 ± 0.73	918.25 ± 16.44	0.9593
16D06014	9.7 %	✓	31.31 ± 0.52	794.79 ± 12.15	0.9206
16D06016	10.5 %	✓	25.75 ± 0.45	713.36 ± 10.70	0.8664
16D06017	11.4 %	✓	22.38 ± 0.41	664.23 ± 10.07	0.8187
16D06018	12.5 %	✓	20.57 ± 0.40	629.81 ± 8.89	0.7243
16D06020	13.1 %		30.60 ± 0.91	859.41 ± 19.22	0.7527
16D06021	14.7 %		14.66 ± 0.22	528.95 ± 5.97	0.7382
16D06022	15.6 %		16.42 ± 0.24	563.30 ± 6.42	0.7919
16D06024	16.8 %		22.03 ± 0.47	700.01 ± 11.06	0.7469
16D06025	18.5 %		20.99 ± 0.52	649.46 ± 10.30	0.6396
16D06026	19.9 %		16.77 ± 0.34	568.88 ± 7.52	0.6415

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	**294.20 ± 9.59**	16.16105 ± 0.23555	**51.07 ± 0.75**	3.86
Error Chron	**± 3.26%**	± 1.46%	**± 1.47%**	0%
			Full External Error ± 1.37	
			Analytical Error ± 0.73	

Statistics				
	2σ Confidence Limit	1.71	Convergence	0.000152841963
	Error Magnification	1.9651	Number of Iterations	83
	Number of Data Points	18	Calculated Line	Weighted York-2

Inverse Isochron			39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
16D05985	1.8 %		0.0315285 ± 0.0017233	0.00190504 ± 0.00004422	0.0036
16D05986	2.0 %		0.0480149 ± 0.0022311	0.00108064 ± 0.00004815	0.0038
16D05988	2.2 %		0.0339269 ± 0.0013972	0.00162637 ± 0.00003899	0.0028
16D05989	2.4 %		0.0489104 ± 0.0020979	0.00080404 ± 0.00004717	0.0023
16D05990	2.6 %		0.0534728 ± 0.0027913	0.00058856 ± 0.00005591	0.0025
16D05992	2.8 %		0.0476635 ± 0.0031543	0.00091330 ± 0.00006310	0.0032
16D05993	3.0 %		0.0428776 ± 0.0009932	0.00106828 ± 0.00003026	0.0023
16D05994	3.3 %		0.0432973 ± 0.0007017	0.00104247 ± 0.00002749	0.0019
16D05996	3.6 %	✓	0.0464155 ± 0.0018086	0.00077186 ± 0.00004178	0.0026
16D05997	3.9 %	✓	0.0456524 ± 0.0008528	0.00085071 ± 0.00002667	0.0017
16D05998	4.3 %	✓	0.0459481 ± 0.0005518	0.00082418 ± 0.00002391	0.0015
16D06000	4.6 %	✓	0.0552652 ± 0.0015122	0.00024250 ± 0.00003709	0.0007
16D06001	4.9 %	✓	0.0574108 ± 0.0011991	0.00020107 ± 0.00003160	0.0006
16D06002	5.2 %	✓	0.0538561 ± 0.0007319	0.00043331 ± 0.00002583	0.0010
16D06004	5.5 %	✓	0.0545250 ± 0.0008174	0.00035285 ± 0.00002711	0.0009
16D06005	5.8 %	✓	0.0554248 ± 0.0009233	0.00030123 ± 0.00002867	0.0008
16D06006	6.1 %	✓	0.0448193 ± 0.0003941	0.00093194 ± 0.00002160	0.0014
16D06008	6.5 %	✓	0.0552619 ± 0.0008239	0.00032337 ± 0.00002817	0.0008
16D06009	7.0 %	✓	0.0476532 ± 0.0003331	0.00081148 ± 0.00002097	0.0010
16D06010	7.6 %	✓	0.0482724 ± 0.0002733	0.00078856 ± 0.00002007	0.0010
16D06012	8.4 %	✓	0.0436499 ± 0.0002573	0.00099909 ± 0.00001941	0.0011
16D06013	9.0 %	✓	0.0425007 ± 0.0002238	0.00108903 ± 0.00001950	0.0012
16D06014	9.7 %	✓	0.0393895 ± 0.0002553	0.00125819 ± 0.00001923	0.0012
16D06016	10.5 %	✓	0.0360963 ± 0.0003118	0.00140182 ± 0.00002103	0.0016
16D06017	11.4 %	✓	0.0336911 ± 0.0003578	0.00150550 ± 0.00002282	0.0017
16D06018	12.5 %	✓	0.0326652 ± 0.0004381	0.00158777 ± 0.00002241	0.0017
16D06020	13.1 %		0.0356087 ± 0.0006955	0.00116359 ± 0.00002602	0.0015
16D06021	14.7 %		0.0277075 ± 0.0002856	0.00189055 ± 0.00002135	0.0014
16D06022	15.6 %		0.0291571 ± 0.0002560	0.00177527 ± 0.00002024	0.0013
16D06024	16.8 %		0.0314666 ± 0.0004421	0.00142855 ± 0.00002258	0.0015
16D06025	18.5 %		0.0323137 ± 0.0006145	0.00153974 ± 0.00002443	0.0022
16D06026	19.9 %		0.0294761 ± 0.0004648	0.00175785 ± 0.00002323	0.0018

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	**293.56 ± 9.52**	16.18879 ± 0.23380	**51.15 ± 0.75**	3.94
Error Chron	**± 3.24%**	± 1.44%	**± 1.46%**	0%
			Full External Error ± 1.37	
			Analytical Error ± 0.73	

Statistics				
2σ Confidence Limit	1.71	Convergence	0.0000127695
Error Magnification	1.9848	Number of Iterations	4
Number of Data Points	18	Calculated Line	Weighted York-2
Spreading Factor	40.1%		

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]
16D05985	1.8 %		0.0472104	1.16	0.0000000	0.00	0.0136072	1.78	0.0000000	0.00	51.0973	1.77	0.0088236	1.16	0.0000000	0.00	0.0094002	2.74	0.0036688	12.94	0.0000000	0.00	0.78134	2.73	0.0345214	2.21	10.8312	1.51	13.95066	1.16	0.0000000	0.00	0.0029870
16D05986	2.0 %		0.0207929	2.22	0.0000000	0.00	0.0169056	1.41	0.0000021	308.51	63.4833	1.40	0.0038862	2.22	0.0000000	0.00	0.0111151	2.32	0.0045581	12.90	0.0074673	308.52	0.92387	2.32	0.0428893	1.92	13.0970	1.06	6.14429	2.22	0.0000000	0.00	0.0035320
16D05988	2.2 %		0.0546213	1.20	0.0000000	0.00	0.0227986	1.15	0.0000024	267.93	85.6124	1.14	0.0102087	1.20	0.0000000	0.00	0.0137084	2.06	0.0061470	12.87	0.0084339	267.93	1.13943	2.06	0.0578397	1.74	17.4442	1.12	16.14058	1.20	0.0000000	0.00	0.0043560
16D05989	2.4 %		0.0174776	2.93	0.0000000	0.00	0.0226768	1.14	0.0000000	0.00	85.1553	1.13	0.0032666	2.93	0.0000000	0.00	0.0127911	2.15	0.0061141	12.87	0.0000000	0.00	1.06317	2.14	0.0575309	1.74	16.5725	0.93	5.16463	2.93	0.0000000	0.00	0.0040645
16D05990	2.6 %		0.0090489	4.75	0.0000000	0.00	0.0180523	1.40	0.0000027	236.37	67.7895	1.39	0.0016912	4.75	0.0000000	0.00	0.0098910	2.61	0.0048673	12.90	0.0095523	236.37	0.82213	2.60	0.0457986	1.92	12.7007	1.02	2.67396	4.75	0.0000000	0.00	0.0031430
16D05992	2.8 %		0.0130601	3.45	0.0000000	0.00	0.0147226	1.52	0.0000071	93.96	55.2859	1.51	0.0024409	3.45	0.0000000	0.00	0.0082002	3.31	0.0039695	12.91	0.0246799	93.96	0.68159	3.30	0.0373512	2.01	10.4407	1.30	3.85927	3.45	0.0000000	0.00	0.0026057
16D05993	3.0 %		0.0468529	1.42	0.0000000	0.00	0.0413930	0.78	0.0000000	0.00	155.4376	0.76	0.0087568	1.42	0.0000000	0.00	0.0226248	1.17	0.0111604	12.84	0.0000000	0.00	1.88054	1.16	0.1050137	1.53	30.0133	0.66	13.84504	1.42	0.0000000	0.00	0.0071893
16D05994	3.3 %		0.0653834	1.32	0.0000000	0.00	0.0612249	0.67	0.0000000	0.00	229.9095	0.65	0.0122202	1.32	0.0000000	0.00	0.0326713	0.82	0.0165075	12.84	0.0000000	0.00	2.71559	0.81	0.1553268	1.47	43.3989	0.59	19.32081	1.32	0.0000000	0.00	0.0103817
16D05996	3.6 %	✓	0.0188703	2.70	0.0000000	0.00	0.0278627	0.98	0.0000000	0.00	104.6289	0.97	0.0035269	2.70	0.0000000	0.00	0.0136523	1.95	0.0075124	12.86	0.0000000	0.00	1.13476	1.94	0.0706873	1.64	18.8717	0.81	5.57618	2.70	0.0000000	0.00	0.0043382
16D05997	3.9 %	✓	0.0471438	1.57	0.0000000	0.00	0.0602472	0.68	0.0000000	0.00	226.2380	0.67	0.0088112	1.57	0.0000000	0.00	0.0304376	0.95	0.0162439	12.84	0.0000000	0.00	2.52993	0.93	0.1528464	1.48	41.4861	0.53	13.93101	1.57	0.0000000	0.00	0.0096719
16D05998	4.3 %	✓	0.0668822	1.45	0.0000000	0.00	0.0885679	0.62	0.0000000	0.00	332.5868	0.60	0.0125003	1.45	0.0000000	0.00	0.0448599	0.62	0.0238797	12.83	0.0000000	0.00	3.72870	0.60	0.2246957	1.45	61.3865	0.47	19.76369	1.45	0.0000000	0.00	0.0142548
16D06000	4.6 %	✓	0.0075861	7.65	0.0000000	0.00	0.0434568	0.77	0.0000000	0.00	163.1873	0.75	0.0014179	7.65	0.0000000	0.00	0.0207997	1.38	0.0117169	12.84	0.0000000	0.00	1.72884	1.37	0.1102494	1.52	29.0410	0.60	2.24171	7.65	0.0000000	0.00	0.0066094
16D06001	4.9 %	✓	0.0076157	7.86	0.0000000	0.00	0.0527943	0.72	0.0000000	0.00	198.2512	0.70	0.0014234	7.86	0.0000000	0.00	0.0261613	1.05	0.0142344	12.84	0.0000000	0.00	2.17449	1.04	0.1339385	1.50	35.6255	0.50	2.25045	7.86	0.0000000	0.00	0.0083131
16D06002	5.2 %	✓	0.0281253	2.98	0.0000000	0.00	0.0834250	0.63	0.0000013	551.29	313.2746	0.61	0.0052566	2.98	0.0000000	0.00	0.0420569	0.70	0.0224931	12.83	0.0043623	551.29	3.49571	0.68	0.2116483	1.45	56.5974	0.44	8.31104	2.98	0.0000000	0.00	0.0133641
16D06004	5.5 %	✓	0.0203335	3.84	0.0000000	0.00	0.0757747	0.64	0.0000000	0.00	284.5464	0.62	0.0038003	3.84	0.0000000	0.00	0.0378024	0.76	0.0204304	12.84	0.0000000	0.00	3.14208	0.75	0.1922395	1.46	51.6179	0.45	6.00855	3.84	0.0000000	0.00	0.0120122
16D06005	5.8 %	✓	0.0154643	4.76	0.0000000	0.00	0.0698308	0.64	0.0000000	0.00	262.2260	0.63	0.0028903	4.76	0.0000000	0.00	0.0342328	0.85	0.0188278	12.84	0.0000000	0.00	2.84538	0.83	0.1771599	1.46	46.7680	0.47	4.56970	4.76	0.0000000	0.00	0.0108779
16D06006	6.1 %	✓	0.1055277	1.16	0.0000000	0.00	0.1209505	0.60	0.0000000	0.00	454.1890	0.58	0.0197231	1.16	0.0000000	0.00	0.0610584	0.47	0.0326108	12.83	0.0000000	0.00	5.07509	0.44	0.3068501	1.44	82.0511	0.44	31.18343	1.16	0.0000000	0.00	0.0194021
16D06008	6.5 %	✓	0.0178565	4.36	0.0000000	0.00	0.0744066	0.64	0.0000000	0.00	279.4090	0.62	0.0033374	4.36	0.0000000	0.00	0.0367135	0.76	0.0200616	12.83	0.0000000	0.00	3.05157	0.74	0.1887687	1.46	49.9436	0.46	5.27659	4.36	0.0000000	0.00	0.0116662
16D06009	7.0 %	✓	0.1151842	1.29	0.0000000	0.00	0.1523093	0.59	0.0000000	0.00	571.9462	0.57	0.0215279	1.29	0.0000000	0.00	0.0813783	0.38	0.0410657	12.83	0.0000000	0.00	6.76405	0.35	0.3864069	1.44	107.9065	0.41	34.03692	1.29	0.0000000	0.00	0.0258590
16D06010	7.6 %	✓	0.1356167	1.27	0.0000000	0.00	0.1867336	0.58	0.0000000	0.00	701.2151	0.56	0.0253468	1.27	0.0000000	0.00	0.0998799	0.32	0.0503472	12.83	0.0000000	0.00	8.30188	0.28	0.4737410	1.43	131.9052	0.39	40.07474	1.27	0.0000000	0.00	0.0317381
16D06012	8.4 %	✓	0.1836302	0.97	0.0000000	0.00	0.1819648	0.58	0.0000000	0.00	683.3077	0.56	0.0343205	0.97	0.0000000	0.00	0.0965218	0.33	0.0490615	12.83	0.0000000	0.00	8.02276	0.29	0.4616427	1.44	129.5353	0.41	54.26273	0.97	0.0000000	0.00	0.0306710
16D06013	9.0 %	✓	0.2186397	0.90	0.0000000	0.00	0.1875564	0.58	0.0000000	0.00	704.3049	0.56	0.0408638	0.90	0.0000000	0.00	0.1026563	0.31	0.0505691	12.83	0.0000000	0.00	8.53265	0.26	0.4758284	1.43	136.1572	0.43	64.60804	0.90	0.0000000	0.00	0.0326203
16D06014	9.7 %	✓	0.2350292	0.76	0.0000000	0.00	0.1629923	0.58	0.0000000	0.00	612.0626	0.56	0.0439270	0.76	0.0000000	0.00	0.0885230	0.36	0.0439461	12.83	0.0000000	0.00	7.35791	0.32	0.4135095	1.44	117.3476	0.45	69.45113	0.76	0.0000000	0.00	0.0281293
16D06016	10.5 %	✓	0.1988131	0.75	0.0000000	0.00	0.1168839	0.60	0.0000000	0.00	438.9182	0.58	0.0371582	0.75	0.0000000	0.00	0.0615909	0.46	0.0315143	12.83	0.0000000	0.00	5.11935	0.43	0.2965331	1.44	83.0757	0.53	58.74927	0.75	0.0000000	0.00	0.0195713
16D06017	11.4 %	✓	0.1824324	0.76	0.0000000	0.00	0.0941142	0.61	0.0000000	0.00	353.4141	0.60	0.0340966	0.76	0.0000000	0.00	0.0491177	0.55	0.0253751	12.83	0.0000000	0.00	4.08259	0.53	0.2387665	1.45	67.2684	0.61	53.90879	0.76	0.0000000	0.00	0.0156077
16D06018	12.5 %	✓	0.1660000	0.71	0.0000000	0.00	0.0775550	0.63	0.0000000	0.00	291.2318	0.62	0.0310254	0.71	0.0000000	0.00	0.0410873	0.69	0.0209104	12.83	0.0000000	0.00	3.41512	0.67	0.1967562	1.46	55.4962	0.63	49.05300	0.71	0.0000000	0.00	0.0130560
16D06020	13.1 %		0.0773314	1.12	0.0000000	0.00	0.0548018	0.71	0.0000000	0.00	205.7898	0.69	0.0144532	1.12	0.0000000	0.00	0.0284716	0.99	0.0147757	12.84	0.0000000	0.00	2.36652	0.98	0.1390316	1.49	43.6078	0.59	22.85142	1.12	0.0000000	0.00	0.0090472
16D06021	14.7 %		0.2999810	0.56	0.0000000	0.00	0.0902563	0.62	0.0000000	0.00	338.9273	0.60	0.0560664	0.56	0.0000000	0.00	0.0528938	0.54	0.0243350	12.83	0.0000000	0.00	4.39646	0.51	0.2289793	1.45	70.0298	0.72	88.64437	0.56	0.0000000	0.00	0.0168077
16D06022	15.6 %		0.3124973	0.57	0.0000000	0.00	0.1093230	0.60	0.0000000	0.00	410.5258	0.59	0.0584057	0.57	0.0000000	0.00	0.0617488	0.47	0.0294758	12.83	0.0000000	0.00	5.13248	0.44	0.2773512	1.44	83.6855	0.63	92.34294	0.57	0.0000000	0.00	0.0196215
16D06024	16.8 %		0.1522387	0.79	0.0000000	0.00	0.0745100	0.64	0.0000000	0.00	279.7974	0.63	0.0284534	0.79	0.0000000	0.00	0.0403442	0.72	0.0200895	12.84	0.0000000	0.00	3.35336	0.70	0.1890311	1.46	61.5823	0.58	44.98653	0.79	0.0000000	0.00	0.0128199
16D06025	18.5 %		0.1124846	0.79	0.0000000	0.00	0.0552559	0.69	0.0000000	0.00	207.4948	0.68	0.0210234	0.79	0.0000000	0.00	0.0284010	0.96	0.0148981	12.84	0.0000000	0.00	2.36065	0.95	0.1401835	1.48	39.8151	0.67	33.23920	0.79	0.0000000	0.00	0.0090248
16D06026	19.9 %		0.1719342	0.66	0.0000000	0.00	0.0611136	0.68	0.0000000	0.00	229.4915	0.66	0.0321345	0.66	0.0000000	0.00	0.0346857	0.80	0.0164775	12.84	0.0000000	0.00	2.88303	0.79	0.1550444	1.48	47.0026	0.72	50.80655	0.66	0.0000000	0.00	0.0110218
		Σ	3.1716657	0.20	0.0000000	0.00	2.5140678	0.13	0.0000156	94.77	9440.7351	0.13	0.5927843	0.20	0.0000000	0.00	1.3354774	0.12	0.6778448	2.70	0.0544956	94.77	111.00303	0.12	6.3781606	0.30	1802.3026	0.10	937.22720	0.20	0.0000000	0.00	0.4243646
		Σ							5.6857491	0.13	9440.7351	0.13									2.6606021	2.06			117.38119	0.11							2739.9542

%1σ
3.81
3.53
3.36
3.41
3.72
4.24
2.90
2.78
3.30
2.82
2.73
2.99
2.86
2.75
2.76
2.79
2.70
2.76
2.68
2.67
2.68
2.67
2.68
2.69
2.71
2.74
2.83
2.71
2.70
2.75
2.82
2.77
0.57
0.10

Additional Parameters			40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
16D05985	1.8 %		30.378936	0.794659	62.630309	1.978642	0.074544	0.002038	176.715	32.882748	1.00124856	1.190E-12
16D05986	2.0 %		19.906569	0.441727	65.666124	1.720181	0.038997	0.000956	176.722	32.886808	1.00124861	9.238E-13
16D05988	2.2 %		28.054844	0.549336	71.506550	1.618195	0.064666	0.001360	176.733	32.894477	1.00124869	1.612E-12
16D05989	2.4 %		19.399600	0.394375	75.983618	1.765723	0.035830	0.000827	176.739	32.898087	1.00124873	1.044E-12
16D05990	2.6 %		17.717897	0.437785	78.105158	2.210862	0.031228	0.000867	176.745	32.902149	1.00124877	7.381E-13
16D05992	2.8 %		19.894054	0.623855	76.899429	2.672729	0.038654	0.001327	176.757	32.909822	1.00124886	6.865E-13
16D05993	3.0 %		22.092314	0.241729	78.284154	1.043899	0.044444	0.000566	176.763	32.913433	1.00124890	2.106E-12
16D05994	3.3 %		21.850175	0.166596	80.082222	0.803853	0.044100	0.000427	176.769	32.917497	1.00124894	3.011E-12
16D05996	3.6 %	✓	20.284769	0.371596	86.796941	1.796333	0.038768	0.000794	176.781	32.925174	1.00124902	1.174E-12
16D05997	3.9 %	✓	20.660263	0.181181	84.329865	0.927786	0.040030	0.000418	176.786	32.928787	1.00124906	2.660E-12
16D05998	4.3 %	✓	20.530341	0.115050	84.126957	0.691457	0.039321	0.000299	176.792	32.932400	1.00124910	3.896E-12
16D06000	4.6 %	✓	17.013449	0.218321	88.732509	1.318627	0.027754	0.000439	176.803	32.940080	1.00124919	1.502E-12
16D06001	4.9 %	✓	16.411297	0.160859	85.881572	1.034822	0.026169	0.000325	176.810	32.944147	1.00124923	1.818E-12
16D06002	5.2 %	✓	17.511583	0.111276	84.500672	0.743438	0.030089	0.000260	176.815	32.947762	1.00124927	3.116E-12
16D06004	5.5 %	✓	17.286413	0.121272	85.338545	0.798829	0.028824	0.000273	176.827	32.955446	1.00124935	2.767E-12
16D06005	5.8 %	✓	16.988540	0.132456	86.756842	0.865756	0.028220	0.000292	176.833	32.959515	1.00124940	2.465E-12
16D06006	6.1 %	✓	21.043334	0.085527	84.391323	0.596540	0.042081	0.000250	176.839	32.963132	1.00124944	5.436E-12
16D06008	6.5 %	✓	17.045082	0.118821	86.228278	0.803323	0.028473	0.000274	176.851	32.970819	1.00124952	2.651E-12
16D06009	7.0 %	✓	19.854571	0.063827	79.987348	0.520891	0.037409	0.000205	176.857	32.974890	1.00124956	6.815E-12
16D06010	7.6 %	✓	19.601081	0.050265	79.904880	0.493079	0.036732	0.000179	176.863	32.978508	1.00124960	8.257E-12
16D06012	8.4 %	✓	21.666659	0.057975	80.536926	0.502494	0.043090	0.000204	176.874	32.986199	1.00124969	8.824E-12
16D06013	9.0 %	✓	22.289866	0.052977	78.182420	0.474692	0.045090	0.000210	176.881	32.990272	1.00124973	9.638E-12
16D06014	9.7 %	✓	24.040254	0.071445	78.758137	0.502490	0.051216	0.000248	176.886	32.993892	1.00124977	8.968E-12
16D06016	10.5 %	✓	26.190462	0.104926	81.042741	0.572215	0.058291	0.000337	176.898	33.001586	1.00124985	6.809E-12
16D06017	11.4 %	✓	28.045073	0.138913	81.783086	0.632960	0.063995	0.000430	176.903	33.005208	1.00124989	5.817E-12
16D06018	12.5 %	✓	28.949542	0.182138	80.631658	0.709903	0.067432	0.000516	176.910	33.009283	1.00124994	5.019E-12
16D06020	13.1 %		26.528358	0.243753	82.133430	0.944058	0.052736	0.000574	176.922	33.016981	1.00125002	3.190E-12
16D06021	14.7 %		34.308316	0.166241	73.274640	0.567395	0.084368	0.000535	176.927	33.020604	1.00125006	7.617E-12
16D06022	15.6 %		32.542272	0.133406	75.885199	0.542002	0.077973	0.000442	176.933	33.024681	1.00125010	8.450E-12
16D06024	16.8 %		30.087504	0.198707	78.985514	0.718973	0.064010	0.000525	176.945	33.032382	1.00125019	5.116E-12
16D06025	18.5 %		29.215553	0.261113	82.970194	0.929595	0.067074	0.000680	176.951	33.036007	1.00125023	3.507E-12
16D06026	19.9 %		32.198095	0.239701	75.538491	0.752215	0.076709	0.000668	176.957	33.040086	1.00125027	4.695E-12

Procedure Blanks		36Ar ± 1σ (SE) [fA]	37Ar ± 1σ (SE) [fA]	38Ar ± 1σ (SE) [fA]	39Ar ± 1σ (SE) [fA]	40Ar ± 1σ (SE) [fA]
16D05985	1.8 %	0.0035437 ± 0.0002083	0.0176697 ± 0.0172432	0.0369466 ± 0.0160953	0.0310538 ± 0.0150907	0.9895564 ± 0.0198612
16D05986	2.0 %	0.0035700 ± 0.0002083	0.0194823 ± 0.0172432	0.0359228 ± 0.0160953	0.0236797 ± 0.0150907	0.9947149 ± 0.0198612
16D05988	2.2 %	0.0036003 ± 0.0002083	0.0215422 ± 0.0172432	0.0347455 ± 0.0160953	0.0138858 ± 0.0150907	1.0015043 ± 0.0198612
16D05989	2.4 %	0.0036076 ± 0.0002083	0.0219914 ± 0.0172432	0.0344849 ± 0.0160953	0.0108327 ± 0.0150907	1.0036298 ± 0.0198612
16D05990	2.6 %	0.0036117 ± 0.0002083	0.0221673 ± 0.0172432	0.0343811 ± 0.0160953	0.0083647 ± 0.0150907	1.0053912 ± 0.0198612
16D05992	2.8 %	0.0036109 ± 0.0002083	0.0217267 ± 0.0172432	0.0346386 ± 0.0160953	0.0059102 ± 0.0150907	1.0073889 ± 0.0198612
16D05993	3.0 %	0.0036078 ± 0.0002083	0.0212433 ± 0.0172432	0.0349256 ± 0.0160953	0.0055116 ± 0.0150907	1.0079285 ± 0.0198612
16D05994	3.3 %	0.0036034 ± 0.0002083	0.0205389 ± 0.0172432	0.0353475 ± 0.0160953	0.0054741 ± 0.0150907	1.0083669 ± 0.0198612
16D05996	3.6 %	0.0035941 ± 0.0002083	0.0188719 ± 0.0172432	0.0363578 ± 0.0160953	0.0061659 ± 0.0150907	1.0090517 ± 0.0198612
16D05997	3.9 %	0.0035902 ± 0.0002083	0.0179854 ± 0.0172432	0.0368999 ± 0.0160953	0.0066671 ± 0.0150907	1.0094441 ± 0.0198612
16D05998	4.3 %	0.0035872 ± 0.0002083	0.0170605 ± 0.0172432	0.0374678 ± 0.0160953	0.0071892 ± 0.0150907	1.0099524 ± 0.0198612
16D06000	4.6 %	0.0035846 ± 0.0002083	0.0150381 ± 0.0172432	0.0387118 ± 0.0160953	0.0081205 ± 0.0150907	1.0116039 ± 0.0198612
16D06001	4.9 %	0.0035861 ± 0.0002083	0.0139682 ± 0.0172432	0.0393668 ± 0.0160953	0.0084009 ± 0.0150907	1.0128744 ± 0.0198612
16D06002	5.2 %	0.0035892 ± 0.0002083	0.0130312 ± 0.0172432	0.0399348 ± 0.0160953	0.0084755 ± 0.0150907	1.0142676 ± 0.0198612
16D06004	5.5 %	0.0036020 ± 0.0002083	0.0111082 ± 0.0172432	0.0410678 ± 0.0160953	0.0079859 ± 0.0150907	1.0181047 ± 0.0198612
16D06005	5.8 %	0.0036123 ± 0.0002083	0.0101322 ± 0.0172432	0.0416136 ± 0.0160953	0.0073406 ± 0.0150907	1.0206232 ± 0.0198612
16D06006	6.1 %	0.0036234 ± 0.0002083	0.0092869 ± 0.0172432	0.0420619 ± 0.0160953	0.0065411 ± 0.0150907	1.0231334 ± 0.0198612
16D06008	6.5 %	0.0036528 ± 0.0002083	0.0075345 ± 0.0172432	0.0428891 ± 0.0160953	0.0041885 ± 0.0150907	1.0292281 ± 0.0198612
16D06009	7.0 %	0.0036712 ± 0.0002083	0.0066083 ± 0.0172432	0.0432560 ± 0.0160953	0.0026392 ± 0.0150907	1.0328003 ± 0.0198612
16D06010	7.6 %	0.0036888 ± 0.0002083	0.0057678 ± 0.0172432	0.0435417 ± 0.0160953	0.0011333 ± 0.0150907	1.0361200 ± 0.0198612
16D06012	8.4 %	0.0037290 ± 0.0002083	0.0038528 ± 0.0172432	0.0440326 ± 0.0160953	0.0022616 ± 0.0150907	1.0433971 ± 0.0198612
16D06013	9.0 %	0.0037509 ± 0.0002083	0.0027179 ± 0.0172432	0.0442376 ± 0.0160953	0.0040249 ± 0.0150907	1.0472217 ± 0.0198612
16D06014	9.7 %	0.0037700 ± 0.0002083	0.0016048 ± 0.0172432	0.0443951 ± 0.0160953	0.0054752 ± 0.0150907	1.0505037 ± 0.0198612
16D06016	10.5 %	0.0038077 ± 0.0002083	0.0012113 ± 0.0172432	0.0446832 ± 0.0160953	0.0078290 ± 0.0150907	1.0567411 ± 0.0198612
16D06017	11.4 %	0.0038229 ± 0.0002083	0.0028126 ± 0.0172432	0.0448135 ± 0.0160953	0.0084067 ± 0.0150907	1.0591409 ± 0.0198612
16D06018	12.5 %	0.0038370 ± 0.0002083	0.0048812 ± 0.0172432	0.0449713 ± 0.0160953	0.0084864 ± 0.0150907	1.0612668 ± 0.0198612
16D06020	13.1 %	0.0038519 ± 0.0002083	0.0097414 ± 0.0172432	0.0453542 ± 0.0160953	0.0064529 ± 0.0150907	1.0630953 ± 0.0198612
16D06021	14.7 %	0.0038519 ± 0.0002083	0.0125488 ± 0.0172432	0.0455994 ± 0.0160953	0.0042425 ± 0.0150907	1.0627062 ± 0.0198612
16D06022	15.6 %	0.0038454 ± 0.0002083	0.0161789 ± 0.0172432	0.0459475 ± 0.0160953	0.0005764 ± 0.0150907	1.0610976 ± 0.0198612
16D06024	16.8 %	0.0038098 ± 0.0002083	0.0246313 ± 0.0172432	0.0468869 ± 0.0160953	0.0104531 ± 0.0150907	1.0540013 ± 0.0198612
16D06025	18.5 %	0.0037805 ± 0.0002083	0.0294433 ± 0.0172432	0.0474927 ± 0.0160953	0.0178390 ± 0.0150907	1.0484997 ± 0.0198612
16D06026	19.9 %	0.0037363 ± 0.0002083	0.0355867 ± 0.0172432	0.0483291 ± 0.0160953	0.0281037 ± 0.0150907	1.0403907 ± 0.0198612

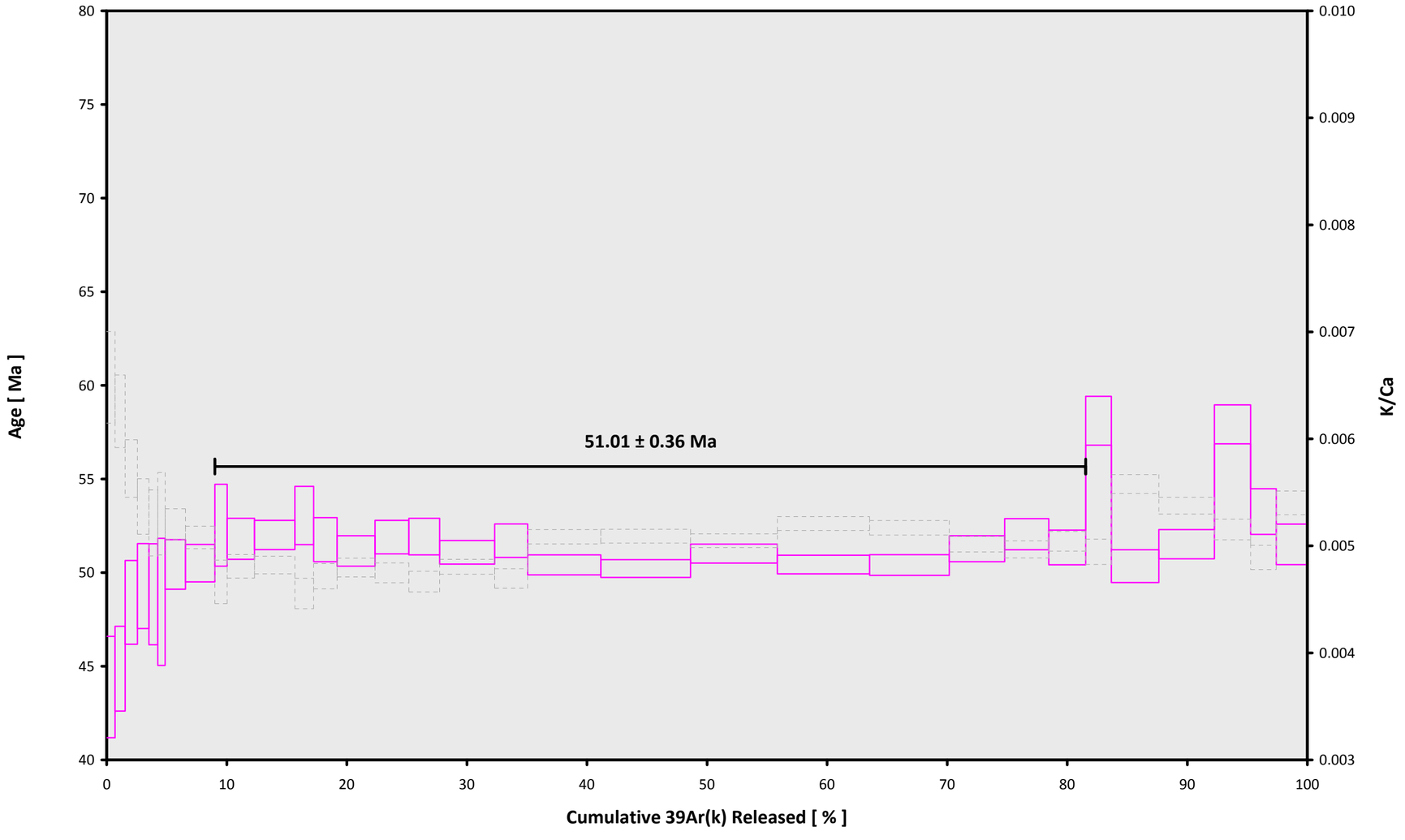
Intercept Values		36Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	37Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	38Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	39Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	40Ar ± 1σ (SE) [fA]	r2	Regression (type,n)
16D05985	1.8 %	0.0612668 ± 0.0003766	0.0240	EXP 150 of 150	1.5016595 ± 0.0189904	0.2565	EXP 150 of 150	0.0456725 ± 0.0160210	0.0018	EXP 150 of 150	0.7777410 ± 0.0147911	0.0850	EXP 150 of 150	25.774411 ± 0.017529	0.9973	EXP 150 of 150
16D05986	2.0 %	0.0393523 ± 0.0002942	0.3995	EXP 150 of 150	1.8678991 ± 0.0171288	0.2857	EXP 150 of 150	0.0625477 ± 0.0159857	0.0075	EXP 149 of 150	0.9347117 ± 0.0149087	0.0123	EXP 150 of 150	20.239578 ± 0.018007	0.9975	EXP 150 of 150
16D05988	2.2 %	0.0770832 ± 0.0004802	0.0155	EXP 150 of 150	2.5231499 ± 0.0186213	0.3452	EXP 150 of 150	0.0726713 ± 0.0153540	0.0004	EXP 150 of 150	1.1730174 ± 0.0176255	0.0138	EXP 150 of 150	34.590626 ± 0.019719	0.9954	EXP 150 of 150
16D05989	2.4 %	0.0417190 ± 0.0003456	0.2003	EXP 150 of 150	2.5088358 ± 0.0182200	0.3858	EXP 150 of 150	0.0554714 ± 0.0153551	0.0027	EXP 150 of 150	1.1001723 ± 0.0167312	0.0076	EXP 150 of 150	22.744871 ± 0.017011	0.9975	EXP 150 of 150
16D05990	2.6 %	0.0293367 ± 0.0002433	0.5369	EXP 150 of 150	1.9922971 ± 0.0191713	0.3362	EXP 150 of 150	0.0599964 ± 0.0153357	0.0030	EXP 150 of 150	0.8520484 ± 0.0148857	0.0421	EXP 150 of 150	16.383209 ± 0.018116	0.9976	EXP 150 of 150
16D05992	2.8 %	0.0299867 ± 0.0002969	0.3964	EXP 150 of 150	1.6207935 ± 0.0154147	0.2255	EXP 149 of 150	0.0733452 ± 0.0161977	0.0157	EXP 150 of 150	0.7068049 ± 0.0164220	0.0715	EXP 150 of 150	15.309983 ± 0.018582	0.9974	EXP 150 of 150
16D05993	3.0 %	0.0873637 ± 0.0004424	0.0704	EXP 150 of 150	4.5962322 ± 0.0176300	0.7070	EXP 150 of 150	0.0551673 ± 0.0160798	0.0009	EXP 150 of 150	1.9628583 ± 0.0152508	0.0785	EXP 150 of 150	44.873474 ± 0.018259	0.9938	EXP 150 of 150
16D05994	3.3 %	0.1237697 ± 0.0005858	0.3979	EXP 149 of 150	6.8083754 ± 0.0174203	0.8218	EXP 150 of 150	0.0829697 ± 0.0145233	0.0058	EXP 150 of 150	2.8405929 ± 0.0153987	0.4040	EXP 149 of 150	63.738421 ± 0.020539	0.9796	EXP 150 of 150
16D05996	3.6 %	0.0479492 ± 0.0003256	0.1705	EXP 150 of 150	3.0881575 ± 0.0179420	0.4790	EXP 150 of 150	0.0548569 ± 0.0168489	0.0000	EXP 150 of 150	1.1888446 ± 0.0157728	0.0256	EXP 150 of 150	25.461226 ± 0.020580	0.9957	EXP 150 of 150
16D05997	3.9 %	0.1055170 ± 0.0004496	0.3998	EXP 149 of 150	6.6995712 ± 0.0188180	0.8127	EXP 150 of 150	0.0762016 ± 0.0172110	0.0005	EXP 150 of 150	2.6528843 ± 0.0176248	0.1415	EXP 150 of 150	56.436256 ± 0.019696	0.9866	EXP 150 of 150
16D05998	4.3 %	0.1511277 ± 0.0005793	0.5817	EXP 150 of 150	9.8571700 ± 0.0178643	0.9163	EXP 150 of 150	0.1135612 ± 0.0158570	0.0080	EXP 150 of 150	3.9119814 ± 0.0156340	0.5337	EXP 150 of 150	82.174435 ± 0.021084	0.8549	EXP 150 of 150
16D06000	4.6 %	0.0520304 ± 0.0003716	0.0990	EXP 150 of 150	4.8287308 ± 0.0182686	0.6878	EXP 150 of 150	0.0565579 ± 0.0162311	0.0012	EXP 150 of 150	1.8150530 ± 0.0177640	0.0082	EXP 150 of 150	32.300920 ± 0.016578	0.9964	EXP 150 of 150
16D06001	4.9 %	0.0609224 ± 0.0003454	0.0160	EXP 150 of 150	5.8698499 ± 0.0195901	0.7492	EXP 150 of 150	0.0659399 ± 0.0164337	0.0009	EXP 150 of 150	2.2800425 ± 0.0164276	0.1312	EXP 150 of 150	38.897135 ± 0.018784	0.9941	EXP 150 of 150
16D06002	5.2 %	0.1094649 ± 0.0004911	0.3465	EXP 150 of 150	9.2834972 ± 0.0181847	0.9037	EXP 150 of 150	0.1130015 ± 0.0171454	0.0174	EXP 149 of 150	3.6667941 ± 0.0175411	0.4794	EXP 150 of 150	65.936038 ± 0.021516	0.9698	EXP 150 of 150
16D06004	5.5 %	0.0948201 ± 0.0004687	0.1491	EXP 150 of 150	8.4309330 ± 0.0179384	0.8825	EXP 150 of 150	0.0689501 ± 0.0159451	0.0070	EXP 150 of 150	3.2974750 ± 0.0173622	0.3417	EXP 150 of 150	58.656611 ± 0.020619	0.9807	EXP 150 of 150
16D06005	5.8 %	0.0845674 ± 0.0004513	0.0856	EXP 150 of 150	7.7687383 ± 0.0159723	0.8956	EXP 150 of 150	0.0957014 ± 0.0187688	0.0231	EXP 150 of 150	2.9890345 ± 0.0176210	0.2614	EXP 150 of 150	52.369160 ± 0.020205	0.9871	EXP 150 of 150
16D06006	6.1 %	0.2185781 ± 0.0006449	0.7687	EXP 150 of 150	13.4626402 ± 0.0186213	0.9490	EXP 150 of 150	0.1141227 ± 0.0155732	0.0046	EXP 150 of 150	5.3288094 ± 0.0150069	0.7630	EXP 150 of 150	114.277078 ± 0.022531	0.9595	EXP 150 of 150
16D06008	6.5 %	0.0912215 ± 0.0004789	0.0582	EXP 150 of 150	8.2782246 ± 0.0168910	0.8906	EXP 150 of 150	0.0691099 ± 0.0177844	0.0049	EXP 150 of 150	3.2081022 ± 0.0162931	0.4278	EXP 150 of 150	56.261106 ± 0.020126	0.9833	EXP 150 of 150
16D06009	7.0 %	0.2575542 ± 0.0008075	0.7426	EXP 150 of 150	16.9521265 ± 0.0178877	0.9699	EXP 149 of 150	0.1515527 ± 0.0172448	0.0076	EXP 150 of 150	7.0859206 ± 0.0161923	0.8575	EXP 150 of 150	143.002086 ± 0.023623	0.9909	EXP 150 of 150
16D06010	7.6 %	0.3096375 ± 0.0008576	0.8174	EXP 150 of 150	20.7836290 ± 0.0194384	0.9761	EXP 150 of 150	0.1415147 ± 0.0154243	0.0010	EXP 150 of 150	8.6985226 ± 0.0150546	0.9168	EXP 150 of 150	173.047828 ± 0.025678	0.9954	EXP 150 of 150
16D06012	8.4 %	0.3507221 ± 0.0008497	0.8649	EXP 150 of 150	20.2499070 ± 0.0212105	0.9689	EXP 150 of 150	0.1910267 ± 0.0151954	0.0224	EXP 150 of 150	8.4132171 ± 0.0154442	0.9009	EXP 149 of 150	184.872061 ± 0.026287	0.9965	EXP 150 of 150
16D06013	9.0 %	0.3892792 ± 0.0010033	0.8493	EXP 150 of 150	20.8708362 ± 0.0158951	0.9839	EXP 149 of 150	0.1887636 ± 0.0175709	0.0020	EXP 150 of 150	8.9345216 ± 0.0133307	0.9415	EXP 150 of 150	201.845059 ± 0.027176	0.9971	EXP 150 of 150
16D06014	9.7 %	0.3815396 ± 0.0008712	0.8836	EXP 150 of 150	18.1361643 ± 0.0182975	0.9702	EXP 149 of 150	0.1572817 ± 0.0176970	0.0066	EXP 150 of 150	7.7096193 ± 0.0162120	0.8711	EXP 150 of 150	187.877409 ± 0.025612	0.9965	EXP 150 of 150
16D06016	10.5 %	0.3034416 ± 0.0008402	0.8155	EXP 150 of 150	13.0050127 ± 0.0188896	0.9429	EXP 150 of 150	0.1227172 ± 0.0162914	0.0039	EXP 150 of 150	5.3768291 ± 0.0147634	0.7755	EXP 150 of 150	142.901268 ± 0.025517	0.9887	EXP 150 of 150
16D06017	11.4 %	0.2662985 ± 0.0008696	0.7438	EXP 150 of 150	10.4722404 ± 0.0173081	0.9308	EXP 150 of 150	0.1163309 ± 0.0172849	0.0000	EXP 150 of 150	4.2923557 ± 0.0145404	0.6700	EXP 150 of 150	122.251964 ± 0.024565	0.9680	EXP 150 of 150
16D06018	12.5 %	0.2349996 ± 0.0007009	0.7976	EXP 150 of 150	8.6311771 ± 0.0173107	0.8934	EXP 148 of 150	0.1196339 ± 0.0175030	0.0016	EXP 150 of 150	3.5890978 ± 0.0164877	0.4669	EXP 150 of 150	105.623522 ± 0.022115	0.8799	EXP 150 of 150
16D06020	13.1 %	0.1292620 ± 0.0005934	0.3586	EXP 150 of 150	6.1038215 ± 0.0191330	0.7965	EXP 150 of 150	0.0727000 ± 0.0166362	0.0000	EXP 150 of 150	2.4903172 ± 0.0169944	0.2185	EXP 150 of 150	67.531356 ± 0.018398	0.9708	EXP 150 of 150
16D06021	14.7 %	0.3742334 ± 0.0010095	0.8432	EXP 150 of 150	10.0481439 ± 0.0189755	0.9068	EXP 150 of 150	0.1440523 ± 0.0172884	0.0000	EXP 150 of 150	4.5896374 ± 0.0159308	0.6901	EXP 150 of 150	159.753686 ± 0.025104	0.9933	EXP 150 of 150
16D06022	15.6 %	0.4042029 ± 0.0009879	0.8712	EXP 150 of 150	12.1702956 ± 0.0181609	0.9421	EXP 150 of 150	0.1751516 ± 0.0160480	0.0001	EXP 150 of 150	5.3635694 ± 0.0154667	0.7601	EXP 150 of 150	177.109146 ± 0.025325	0.9960	EXP 150 of 150
16D06024	16.8 %	0.2190212 ± 0.0007959	0.6803	EXP 150 of 150	8.3064424 ± 0.0185023	0.8798	EXP 150 of 150	0.1114648 ± 0.0177927	0.0003	EXP 150 of 150	3.5012679 ± 0.0173921	0.4800	EXP 150 of 150	107.635622 ± 0.024007	0.9203	EXP 150 of 150
16D06025	18.5 %	0.1629861 ± 0.0005582	0.6092	EXP 150 of 150	6.1704741 ± 0.0172921	0.8235	EXP 148 of 150	0.0832332 ± 0.0160088	0.0005	EXP 150 of 150	2.4613461 ± 0.0160911	0.1258	EXP 150 of 150	74.111791 ± 0.021931	0.9287	EXP 149 of 150
16D06026	19.9 %	0.2249262 ± 0.0007219	0.7401	EXP 150 of 150	6.8267939 ± 0.0184558	0.8134	EXP 150 of 150	0.1212902 ± 0.0169238	0.0082	EXP 150 of 150	2.9836679 ± 0.0164092	0.2860	EXP 150 of 150	98.860562 ± 0.022504	0.6996	EXP 150 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
16D05985	1.8 %	Kevin Konrad	15-OSU-04	0.00	0.00	22.82	French Polynesia\Rurutu (13-INT-08)	16D05984	01
16D05986	2.0 %	Kevin Konrad	15-OSU-04	0.00	0.00	22.82	French Polynesia\Rurutu (13-INT-08)	16D05984	01
16D05988	2.2 %	Kevin Konrad	15-OSU-04	0.00	0.00	22.82	French Polynesia\Rurutu (13-INT-08)	16D05984	01
16D05989	2.4 %	Kevin Konrad	15-OSU-04	0.00	0.00	22.82	French Polynesia\Rurutu (13-INT-08)	16D05984	01
16D05990	2.6 %	Kevin Konrad	15-OSU-04	0.00	0.00	22.82	French Polynesia\Rurutu (13-INT-08)	16D05984	01
16D05992	2.8 %	Kevin Konrad	15-OSU-04	0.00	0.00	22.82	French Polynesia\Rurutu (13-INT-08)	16D05984	01
16D05993	3.0 %	Kevin Konrad	15-OSU-04	0.00	0.00	22.82	French Polynesia\Rurutu (13-INT-08)	16D05984	01
16D05994	3.3 %	Kevin Konrad	15-OSU-04	0.00	0.00	22.82	French Polynesia\Rurutu (13-INT-08)	16D05984	01
16D05996	3.6 %	Kevin Konrad	15-OSU-04	0.00	0.00	22.82	French Polynesia\Rurutu (13-INT-08)	16D05984	01
16D05997	3.9 %	Kevin Konrad	15-OSU-04	0.00	0.00	22.82	French Polynesia\Rurutu (13-INT-08)	16D05984	01
16D05998	4.3 %	Kevin Konrad	15-OSU-04	0.00	0.00	22.82	French Polynesia\Rurutu (13-INT-08)	16D05984	01
16D06000	4.6 %	Kevin Konrad	15-OSU-04	0.00	0.00	22.82	French Polynesia\Rurutu (13-INT-08)	16D05984	01
16D06001	4.9 %	Kevin Konrad	15-OSU-04	0.00	0.00	22.82	French Polynesia\Rurutu (13-INT-08)	16D05984	01
16D06002	5.2 %	Kevin Konrad	15-OSU-04	0.00	0.00	22.82	French Polynesia\Rurutu (13-INT-08)	16D05984	01
16D06004	5.5 %	Kevin Konrad	15-OSU-04	0.00	0.00	22.82	French Polynesia\Rurutu (13-INT-08)	16D05984	01
16D06005	5.8 %	Kevin Konrad	15-OSU-04	0.00	0.00	22.82	French Polynesia\Rurutu (13-INT-08)	16D05984	01
16D06006	6.1 %	Kevin Konrad	15-OSU-04	0.00	0.00	22.82	French Polynesia\Rurutu (13-INT-08)	16D05984	01
16D06008	6.5 %	Kevin Konrad	15-OSU-04	0.00	0.00	22.82	French Polynesia\Rurutu (13-INT-08)	16D05984	01
16D06009	7.0 %	Kevin Konrad	15-OSU-04	0.00	0.00	22.82	French Polynesia\Rurutu (13-INT-08)	16D05984	01
16D06010	7.6 %	Kevin Konrad	15-OSU-04	0.00	0.00	22.82	French Polynesia\Rurutu (13-INT-08)	16D05984	01
16D06012	8.4 %	Kevin Konrad	15-OSU-04	0.00	0.00	22.82	French Polynesia\Rurutu (13-INT-08)	16D05984	01
16D06013	9.0 %	Kevin Konrad	15-OSU-04	0.00	0.00	22.82	French Polynesia\Rurutu (13-INT-08)	16D05984	01
16D06014	9.7 %	Kevin Konrad	15-OSU-04	0.00	0.00	22.82	French Polynesia\Rurutu (13-INT-08)	16D05984	01
16D06016	10.5 %	Kevin Konrad	15-OSU-04	0.00	0.00	22.82	French Polynesia\Rurutu (13-INT-08)	16D05984	01
16D06017	11.4 %	Kevin Konrad	15-OSU-04	0.00	0.00	22.82	French Polynesia\Rurutu (13-INT-08)	16D05984	01
16D06018	12.5 %	Kevin Konrad	15-OSU-04	0.00	0.00	22.82	French Polynesia\Rurutu (13-INT-08)	16D05984	01
16D06020	13.1 %	Kevin Konrad	15-OSU-04	0.00	0.00	22.82	French Polynesia\Rurutu (13-INT-08)	16D05984	01
16D06021	14.7 %	Kevin Konrad	15-OSU-04	0.00	0.00	22.82	French Polynesia\Rurutu (13-INT-08)	16D05984	01
16D06022	15.6 %	Kevin Konrad	15-OSU-04	0.00	0.00	22.82	French Polynesia\Rurutu (13-INT-08)	16D05984	01
16D06024	16.8 %	Kevin Konrad	15-OSU-04	0.00	0.00	22.82	French Polynesia\Rurutu (13-INT-08)	16D05984	01
16D06025	18.5 %	Kevin Konrad	15-OSU-04	0.00	0.00	22.82	French Polynesia\Rurutu (13-INT-08)	16D05984	01
16D06026	19.9 %	Kevin Konrad	15-OSU-04	0.00	0.00	22.82	French Polynesia\Rurutu (13-INT-08)	16D05984	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
16D05985	1.8 %	RR1310-D07-09	Plagioclase	Rurutu Hotspot	FCT-NM (4A16-15)	28.201	0.082	Kuiper et al (2008)	8.86813	0.164	0.00177235	0.164	304.542	0.184	0.99256779	0.073	1	4.8E-14	12	FEB	2016	9	26	1
16D05986	2.0 %	RR1310-D07-09	Plagioclase	Rurutu Hotspot	FCT-NM (4A16-15)	28.201	0.082	Kuiper et al (2008)	8.86813	0.164	0.00177235	0.164	304.542	0.184	0.99256779	0.073	1	4.8E-14	12	FEB	2016	9	35	1
16D05988	2.2 %	RR1310-D07-09	Plagioclase	Rurutu Hotspot	FCT-NM (4A16-15)	28.201	0.082	Kuiper et al (2008)	8.86813	0.164	0.00177235	0.164	304.542	0.184	0.99256779	0.073	1	4.8E-14	12	FEB	2016	9	52	1
16D05989	2.4 %	RR1310-D07-09	Plagioclase	Rurutu Hotspot	FCT-NM (4A16-15)	28.201	0.082	Kuiper et al (2008)	8.86813	0.164	0.00177235	0.164	304.542	0.184	0.99256779	0.073	1	4.8E-14	12	FEB	2016	10	0	1
16D05990	2.6 %	RR1310-D07-09	Plagioclase	Rurutu Hotspot	FCT-NM (4A16-15)	28.201	0.082	Kuiper et al (2008)	8.86813	0.164	0.00177235	0.164	304.542	0.184	0.99256779	0.073	1	4.8E-14	12	FEB	2016	10	9	1
16D05992	2.8 %	RR1310-D07-09	Plagioclase	Rurutu Hotspot	FCT-NM (4A16-15)	28.201	0.082	Kuiper et al (2008)	8.86813	0.164	0.00177235	0.164	304.542	0.184	0.99256779	0.073	1	4.8E-14	12	FEB	2016	10	26	1
16D05993	3.0 %	RR1310-D07-09	Plagioclase	Rurutu Hotspot	FCT-NM (4A16-15)	28.201	0.082	Kuiper et al (2008)	8.86813	0.164	0.00177235	0.164	304.542	0.184	0.99256779	0.073	1	4.8E-14	12	FEB	2016	10	34	1
16D05994	3.3 %	RR1310-D07-09	Plagioclase	Rurutu Hotspot	FCT-NM (4A16-15)	28.201	0.082	Kuiper et al (2008)	8.86813	0.164	0.00177235	0.164	304.542	0.184	0.99256779	0.073	1	4.8E-14	12	FEB	2016	10	43	1
16D05996	3.6 %	RR1310-D07-09	Plagioclase	Rurutu Hotspot	FCT-NM (4A16-15)	28.201	0.082	Kuiper et al (2008)	8.86813	0.164	0.00177235	0.164	304.542	0.184	0.99256779	0.073	1	4.8E-14	12	FEB	2016	11	0	1
16D05997	3.9 %	RR1310-D07-09	Plagioclase	Rurutu Hotspot	FCT-NM (4A16-15)	28.201	0.082	Kuiper et al (2008)	8.86813	0.164	0.00177235	0.164	304.542	0.184	0.99256779	0.073	1	4.8E-14	12	FEB	2016	11	8	1
16D05998	4.3 %	RR1310-D07-09	Plagioclase	Rurutu Hotspot	FCT-NM (4A16-15)	28.201	0.082	Kuiper et al (2008)	8.86813	0.164	0.00177235	0.164	304.542	0.184	0.99256779	0.073	1	4.8E-14	12	FEB	2016	11	16	1
16D06000	4.6 %	RR1310-D07-09	Plagioclase	Rurutu Hotspot	FCT-NM (4A16-15)	28.201	0.082	Kuiper et al (2008)	8.86813	0.164	0.00177235	0.164	304.542	0.184	0.99256779	0.073	1	4.8E-14	12	FEB	2016	11	33	1
16D06001	4.9 %	RR1310-D07-09	Plagioclase	Rurutu Hotspot	FCT-NM (4A16-15)	28.201	0.082	Kuiper et al (2008)	8.86813	0.164	0.00177235	0.164	304.542	0.184	0.99256779	0.073	1	4.8E-14	12	FEB	2016	11	42	1
16D06002	5.2 %	RR1310-D07-09	Plagioclase	Rurutu Hotspot	FCT-NM (4A16-15)	28.201	0.082	Kuiper et al (2008)	8.86813	0.164	0.00177235	0.164	304.542	0.184	0.99256779	0.073	1	4.8E-14	12	FEB	2016	11	50	1
16D06004	5.5 %	RR1310-D07-09	Plagioclase	Rurutu Hotspot	FCT-NM (4A16-15)	28.201	0.082	Kuiper et al (2008)	8.86813	0.164	0.00177235	0.164	304.542	0.184	0.99256779	0.073	1	4.8E-14	12	FEB	2016	12	7	1
16D06005	5.8 %	RR1310-D07-09	Plagioclase	Rurutu Hotspot	FCT-NM (4A16-15)	28.201	0.082	Kuiper et al (2008)	8.86813	0.164	0.00177235	0.164	304.542	0.184	0.99256779	0.073	1	4.8E-14	12	FEB	2016	12	16	1
16D06006	6.1 %	RR1310-D07-09	Plagioclase	Rurutu Hotspot	FCT-NM (4A16-15)	28.201	0.082	Kuiper et al (2008)	8.86813	0.164	0.00177235	0.164	304.542	0.184	0.99256779	0.073	1	4.8E-14	12	FEB	2016	12	24	1
16D06008	6.5 %	RR1310-D07-09	Plagioclase	Rurutu Hotspot	FCT-NM (4A16-15)	28.201	0.082	Kuiper et al (2008)	8.86813	0.164	0.00177235	0.164	304.542	0.184	0.99256779	0.073	1	4.8E-14	12	FEB	2016	12	41	1
16D06009	7.0 %	RR1310-D07-09	Plagioclase	Rurutu Hotspot	FCT-NM (4A16-15)	28.201	0.082	Kuiper et al (2008)	8.86813	0.164	0.00177235	0.164	304.542	0.184	0.99256779	0.073	1	4.8E-14	12	FEB	2016	12	50	1
16D06010	7.6 %	RR1310-D07-09	Plagioclase	Rurutu Hotspot	FCT-NM (4A16-15)	28.201	0.082	Kuiper et al (2008)	8.86813	0.164	0.00177235	0.164	304.542	0.184	0.99256779	0.073	1	4.8E-14	12	FEB	2016	12	58	1
16D06012	8.4 %	RR1310-D07-09	Plagioclase	Rurutu Hotspot	FCT-NM (4A16-15)	28.201	0.082	Kuiper et al (2008)	8.86813	0.164	0.00177235	0.164	304.542	0.184	0.99256779	0.073	1	4.8E-14	12	FEB	2016	13	15	1
16D06013	9.0 %	RR1310-D07-09	Plagioclase	Rurutu Hotspot	FCT-NM (4A16-15)	28.201	0.082	Kuiper et al (2008)	8.86813	0.164	0.00177235	0.164	304.542	0.184	0.99256779	0.073	1	4.8E-14	12	FEB	2016	13	24	1
16D06014	9.7 %	RR1310-D07-09	Plagioclase	Rurutu Hotspot	FCT-NM (4A16-15)	28.201	0.082	Kuiper et al (2008)	8.86813	0.164	0.00177235	0.164	304.542	0.184	0.99256779	0.073	1	4.8E-14	12	FEB	2016	13	32	1
16D06016	10.5 %	RR1310-D07-09	Plagioclase	Rurutu Hotspot	FCT-NM (4A16-15)	28.201	0.082	Kuiper et al (2008)	8.86813	0.164	0.00177235	0.164	304.542	0.184	0.99256779	0.073	1	4.8E-14	12	FEB	2016	13	49	1
16D06017	11.4 %	RR1310-D07-09	Plagioclase	Rurutu Hotspot	FCT-NM (4A16-15)	28.201	0.082	Kuiper et al (2008)	8.86813	0.164	0.00177235	0.164	304.542	0.184	0.99256779	0.073	1	4.8E-14	12	FEB	2016	13	57	1
16D06018	12.5 %	RR1310-D07-09	Plagioclase	Rurutu Hotspot	FCT-NM (4A16-15)	28.201	0.082	Kuiper et al (2008)	8.86813	0.164	0.00177235	0.164	304.542	0.184	0.99256779	0.073	1	4.8E-14	12	FEB	2016	14	6	1
16D06020	13.1 %	RR1310-D07-09	Plagioclase	Rurutu Hotspot	FCT-NM (4A16-15)	28.201	0.082	Kuiper et al (2008)	8.86813	0.164	0.00177235	0.164	304.542	0.184	0.99256779	0.073	1	4.8E-14	12	FEB	2016	14	23	1
16D06021	14.7 %	RR1310-D07-09	Plagioclase	Rurutu Hotspot	FCT-NM (4A16-15)	28.201	0.082	Kuiper et al (2008)	8.86813	0.164	0.00177235	0.164	304.542	0.184	0.99256779	0.073	1	4.8E-14	12	FEB	2016	14	31	1
16D06022	15.6 %	RR1310-D07-09	Plagioclase	Rurutu Hotspot	FCT-NM (4A16-15)	28.201	0.082	Kuiper et al (2008)	8.86813	0.164	0.00177235	0.164	304.542	0.184	0.99256779	0.073	1	4.8E-14	12	FEB	2016	14	40	1
16D06024	16.8 %	RR1310-D07-09	Plagioclase	Rurutu Hotspot	FCT-NM (4A16-15)	28.201	0.082	Kuiper et al (2008)	8.86813	0.164	0.00177235	0.164	304.542	0.184	0.99256779	0.073	1	4.8E-14	12	FEB	2016	14	57	1
16D06025	18.5 %	RR1310-D07-09	Plagioclase	Rurutu Hotspot	FCT-NM (4A16-15)	28.201	0.082	Kuiper et al (2008)	8.86813	0.164	0.00177235	0.164	304.542	0.184	0.99256779	0.073	1	4.8E-14	12	FEB	2016	15	5	1
16D06026	19.9 %	RR1310-D07-09	Plagioclase	Rurutu Hotspot	FCT-NM (4A16-15)	28.201	0.082	Kuiper et al (2008)	8.86813	0.164	0.00177235	0.164	304.542	0.184	0.99256779	0.073	1	4.8E-14	12	FEB	2016	15	14	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
16D05985	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
16D05986	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
16D05988	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
16D05989	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
16D05990	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
16D05992	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
16D05993	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
16D05994	3.3 %	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
16D05996	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
16D05997	3.9 %	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
16D05998	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
16D06000	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
16D06001	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
16D06002	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
16D06004	5.5 %	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
16D06005	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
16D06006	6.1 %	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
16D06008	6.5 %	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
16D06009	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
16D06010	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
16D06012	8.4 %	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
16D06013	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
16D06014	9.7 %	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
16D06016	10.5 %	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
16D06017	11.4 %	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
16D06018	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
16D06020	13.1 %	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
16D06021	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
16D06022	15.6 %	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
16D06024	16.8 %	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
16D06025	18.5 %	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
16D06026	19.9 %	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

16D05984.AGE >>> RR1310-D07-09 >>> FRENCH POLYNESIA | RURUTU (13-INT-08) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
51.01 ± 0.36
TOTAL FUSION
51.30 ± 0.23
NORMAL ISOCHRON
51.07 ± 0.75
INVERSE ISOCHRON
51.15 ± 0.75

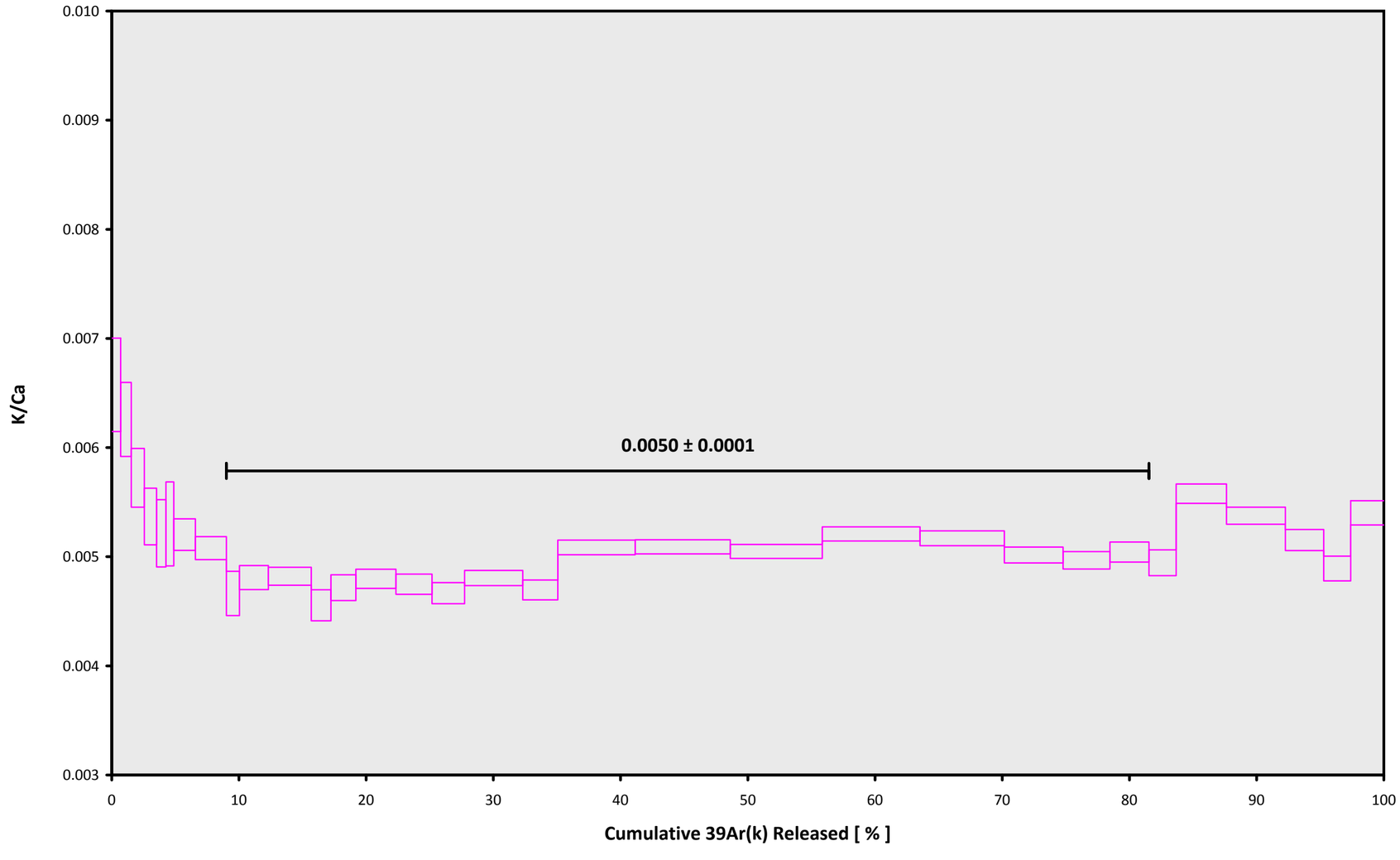
MSWD (PROBABILITY)
3.69 (0%)

Sample Info

Plagioclase
Rurutu Hotspot
Kevin Konrad

IRR = 15-OSU-04 (4A16-15)
J = 0.00177235 ± 0.00000291

16D05984.AGE >>> RR1310-D07-09 >>> FRENCH POLYNESIA | RURUTU (13-INT-08) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
51.01 ± 0.36
TOTAL FUSION
51.30 ± 0.23
NORMAL ISOCHRON
51.07 ± 0.75
INVERSE ISOCHRON
51.15 ± 0.75

Sample Info

Plagioclase
Rurutu Hotspot
Kevin Konrad

IRR = 15-OSU-04 (4A16-15)
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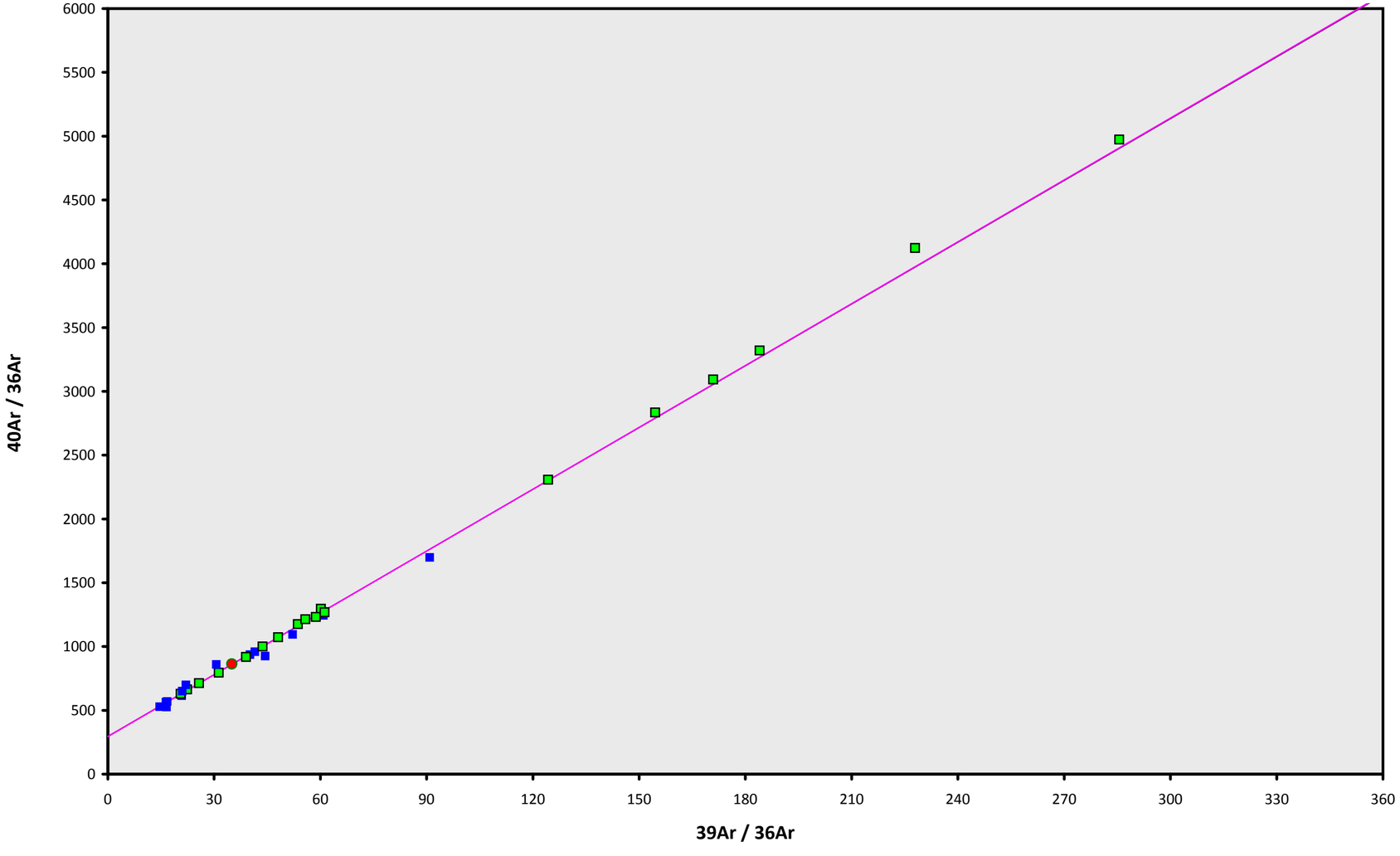
16D05984.AGE >>> RR1310-D07-09 >>> FRENCH POLYNESIA | RURUTU (13-INT-08) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
51.01 ± 0.36
TOTAL FUSION
51.30 ± 0.23
NORMAL ISOCHRON
51.07 ± 0.75
INVERSE ISOCHRON
51.15 ± 0.75

MSWD (PROBABILITY)
3.86 (0%)

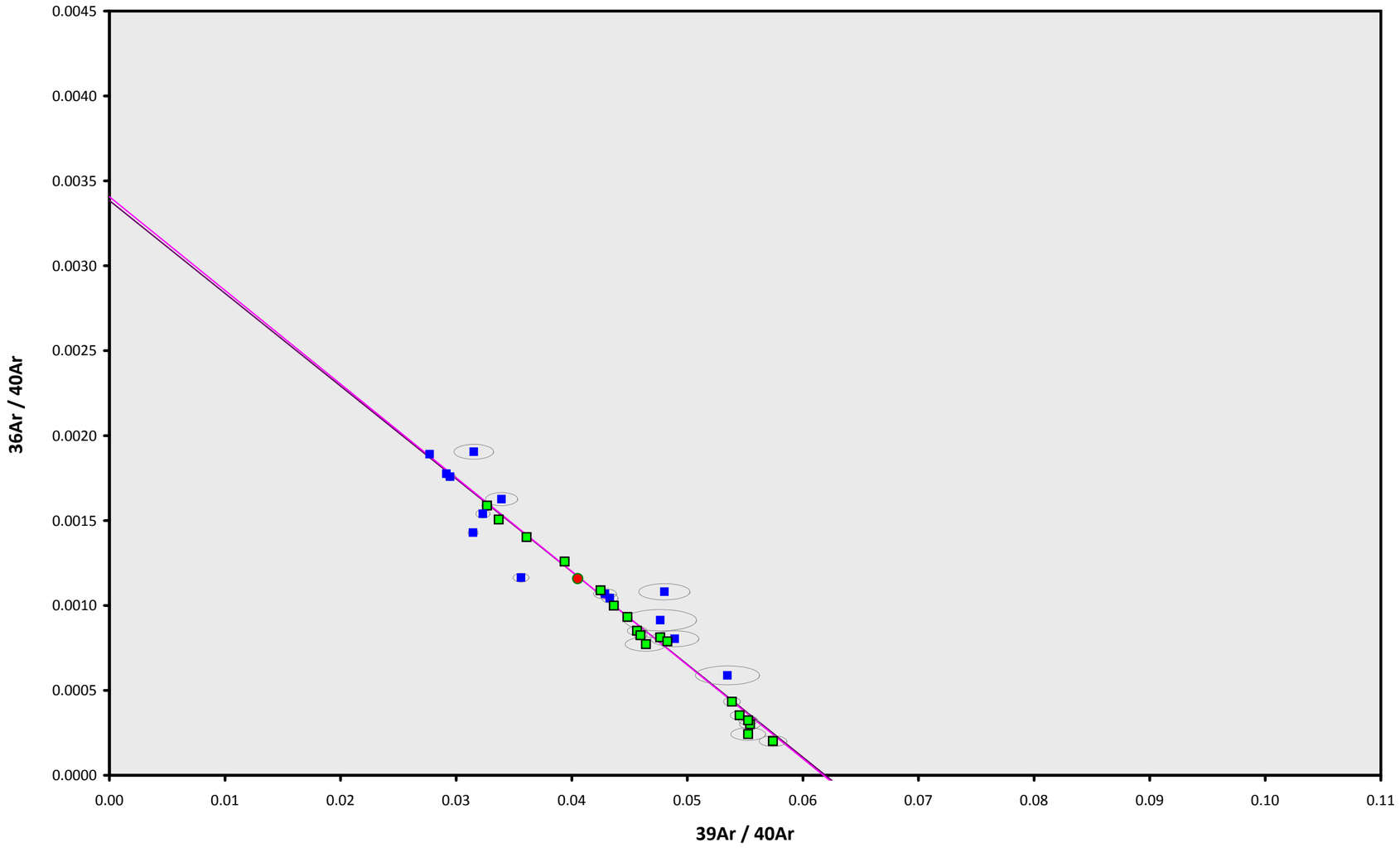
40AR/36AR INTERCEPT
294.2 ± 9.6

Sample Info

Plagioclase
Rurutu Hotspot
Kevin Konrad

IRR = 15-OSU-04 (4A16-15)
J = 0.00177235 ± 0.00000291

16D05984.AGE >>> RR1310-D07-09 >>> FRENCH POLYNESIA | RURUTU (13-INT-08) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
51.01 ± 0.36
TOTAL FUSION
51.30 ± 0.23
NORMAL ISOCHRON
51.07 ± 0.75
INVERSE ISOCHRON
51.15 ± 0.75

MSWD (PROBABILITY)
3.94 (0%)

SPREADING FACTOR
40.1%

40AR/36AR INTERCEPT
293.6 ± 9.5

Sample Info

Plagioclase
Rurutu Hotspot
Kevin Konrad

IRR = 15-OSU-04 (4A16-15)
J = 0.00177235 ± 0.00000291