

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
14D26123	1.8 %	0.0305954	3.077	26.3660	8.304	0.0490110	76.561	1.46196	2.524	27.9405	0.334	14.52160 ± 0.87959	46.17 ± 2.76	75.06	0.70	0.0236 ± 0.0041
14D26125	2.0 %	0.0208585	4.179	34.7898	6.067	0.0863227	43.611	1.77703	2.000	28.4418	0.329	14.26544 ± 0.68462	45.37 ± 2.15	87.95	0.85	0.0217 ± 0.0028
14D26126	2.4 %	0.0315471	2.831	65.6873	3.320	0.0226369	164.293	3.06682	1.182	49.5921	0.188	15.03004 ± 0.42134	47.77 ± 1.32	91.60	1.46	0.0198 ± 0.0014
14D26127	2.8 %	0.0520591	1.910	123.1279	1.816	0.0760205	50.541	5.27999	0.685	84.4616	0.113	15.15305 ± 0.25157	48.15 ± 0.79	93.23	2.52	0.0181 ± 0.0007
14D26129	3.2 %	0.0588204	1.616	159.4127	1.471	0.0953765	39.642	6.56649	0.567	102.6163	0.092	15.13517 ± 0.20571	48.10 ± 0.65	95.26	3.13	0.0174 ± 0.0006
14D26130	3.6 %	✓ 0.0616641	1.591	182.9155	1.308	0.1167926	32.354	7.04411	0.515	110.9347	0.086	15.47310 ± 0.19297	49.16 ± 0.60	96.53	3.35	0.0163 ± 0.0005
14D26132	4.0 %	✓ 0.0676061	1.521	195.8372	1.201	0.0899872	41.314	7.45659	0.496	118.6557	0.080	15.57297 ± 0.18700	49.47 ± 0.59	96.13	3.55	0.0161 ± 0.0004
14D26133	4.5 %	✓ 0.0677544	1.453	205.3228	1.218	0.1458980	25.029	7.92657	0.466	124.7372	0.077	15.51730 ± 0.17482	49.29 ± 0.55	96.88	3.77	0.0163 ± 0.0004
14D26135	5.1 %	✓ 0.2424695	0.616	337.4681	0.889	0.1763701	22.642	13.82166	0.271	257.5400	0.039	15.62449 ± 0.11479	49.63 ± 0.36	82.47	6.59	0.0173 ± 0.0003
14D26136	5.8 %	✓ 0.1268488	1.025	349.0681	0.871	0.1610887	23.771	14.11173	0.268	226.7978	0.044	15.61914 ± 0.10856	49.61 ± 0.34	95.56	6.72	0.0171 ± 0.0003
14D26138	6.7 %	✓ 0.1395197	0.917	409.2605	0.792	0.1998777	18.598	17.27832	0.233	276.0659	0.035	15.70291 ± 0.09293	49.88 ± 0.29	96.71	8.24	0.0179 ± 0.0003
14D26139	7.7 %	0.2177828	0.700	481.5820	0.775	0.2515705	15.153	20.96033	0.190	361.7560	0.029	16.24517 ± 0.08263	51.57 ± 0.26	92.66	10.00	0.0184 ± 0.0003
14D26141	8.9 %	✓ 0.2273908	0.672	471.2207	0.750	0.2617769	14.168	20.91585	0.196	352.8003	0.029	15.66252 ± 0.08190	49.75 ± 0.26	91.44	9.98	0.0188 ± 0.0003
14D26142	10.1 %	0.2027271	0.732	441.7111	0.753	0.2722350	14.227	18.87022	0.217	335.5511	0.031	16.70992 ± 0.09314	53.03 ± 0.29	92.48	9.00	0.0181 ± 0.0003
14D26144	11.3 %	✓ 0.1700447	0.804	351.7002	0.876	0.2275631	16.373	15.90771	0.240	270.4694	0.037	15.81593 ± 0.09895	50.23 ± 0.31	91.63	7.59	0.0192 ± 0.0003
14D26145	12.5 %	✓ 0.1967818	0.710	275.5850	0.992	0.1673839	21.777	12.50796	0.305	231.0745	0.043	15.79030 ± 0.12496	50.15 ± 0.39	84.20	5.97	0.0192 ± 0.0004
14D26147	13.7 %	✓ 0.1020564	1.074	181.1456	1.312	0.1289475	29.898	9.32520	0.397	160.3734	0.061	15.69466 ± 0.15201	49.85 ± 0.48	90.06	4.46	0.0218 ± 0.0006
14D26148	15.1 %	✓ 0.1252858	0.955	202.2429	1.232	0.1542364	24.655	10.18307	0.366	179.4721	0.055	15.75953 ± 0.14350	50.05 ± 0.45	88.22	4.87	0.0214 ± 0.0005
14D26150	16.5 %	✓ 0.0518928	2.039	97.6010	2.290	0.0930374	43.140	4.70179	0.778	80.9952	0.115	15.81716 ± 0.29683	50.23 ± 0.93	90.53	2.25	0.0204 ± 0.0010
14D26151	18.0 %	✓ 0.1611284	0.836	69.2962	3.271	0.0843070	46.296	2.91929	1.279	87.1708	0.108	15.66634 ± 0.51255	49.76 ± 1.61	51.62	1.39	0.0178 ± 0.0013
14D26153	19.5 %	✓ 0.0515186	1.995	58.0837	3.650	0.0589369	63.102	2.25324	1.613	45.8904	0.207	15.91284 ± 0.61554	50.53 ± 1.93	76.77	1.07	0.0164 ± 0.0013
14D26154	21.0 %	✓ 0.0391011	2.365	60.8867	3.684	0.0441767	88.694	2.36387	1.512	43.7680	0.214	15.92812 ± 0.57094	50.58 ± 1.79	84.53	1.13	0.0164 ± 0.0013
14D26155	22.5 %	0.0236198	3.790	47.9182	4.732	0.0576810	66.130	1.58399	2.278	29.4911	0.321	16.93680 ± 0.89758	53.74 ± 2.81	89.11	0.75	0.0139 ± 0.0015
14D26157	24.5 %	0.0247927	3.569	43.8529	4.701	0.0065730	571.520	1.43192	2.482	28.0474	0.335	17.23368 ± 0.98753	54.67 ± 3.09	86.16	0.68	0.0138 ± 0.0015
Σ		2.4938659	0.229	4872.0824	0.265	3.0278071	6.143	209.71573	0.087	3614.6432	0.013					

Information on Analysis and Constants Used in Calculations	
Project = RURUTU (13-INT-08) Sample = RR1310-D14-08 Material = Plagioclase Location = Rurutu Hotspot Region = Tuvalu Analyst = Kevin Konrad Irradiation = 14-OSU-02 (2A12-14) Position = X: 0 Y: 0 Z/H: 17 mm FCT-NM Age = 28.201 ± 0.023 Ma FCT-NM Reference = Kuiper et al. (2008) FCT-NM 40Ar/39Ar Ratio = 8.82552 ± 0.00838 FCT-NM J-value = 0.00178090 ± 0.00000169 Air Shot 40Ar/36Ar = 304.0280 ± 0.4074 Air Shot MDF = 0.99297842 ± 0.00066241 (LIN) Experiment Type = Incremental Heating Extraction Method = Bulk Laser Heating Heating = 77 sec Isolation = 6.00 min Instrument = ARGUS-VI-D Preferred Age = Plateau Age Age Classification = Eruption Age IGSN = IEKK1-RR1310-D14-08PL Rock Class = Igneous>Volcanic Lithology = Basalt Lat-Lon = 8°11.3'S - 178°23.2'E	Age Equations = Min et al. (2000) Negative Intensities = Allowed Collector Calibrations = 40Ar 36Ar Decay 40K = 5.530 ± 0.048 E-10 1/a Decay 39Ar = 2.940 ± 0.016 E-07 1/h Decay 37Ar = 8.230 ± 0.012 E-04 1/h Decay 36Cl = 2.257 ± 0.015 E-06 1/a Decay 40K(EC,β ⁺) = 0.580 ± 0.009 E-10 1/a Decay 40K(β ⁻) = 4.950 ± 0.043 E-10 1/a Atmospheric 40/36(a) = 295.50 Atmospheric 38/36(a) = 0.1869 Production 39/37(ca) = 0.0006756 ± 0.0000089 Production 38/37(ca) = 0.0000718 ± 0.0000092 Production 36/37(ca) = 0.0002663 ± 0.0000004 Production 40/39(k) = 0.003823 ± 0.000102 Production 38/39(k) = 0.012031 ± 0.000019 Production 36/38(cl) = 262.80 ± 1.71 Scaling Ratio K/Ca = 0.430 Abundance Ratio 40K/K = 1.1700 ± 0.0100 E-04 Atomic Weight K = 39.0983 ± 0.0001 g

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (%n)	K/Ca ± 2σ
Age Plateau		15.68638 ± 0.04838	49.82 ± 0.18	1.86	70.92	0.0180 ± 0.0008
Error Mean		± 0.31%	± 0.36%	3%	15	
			Full External Error ± 1.13	1.76	2σ Confidence Limit	
			Analytical Error ± 0.15	1.3622	Error Magnification	
Total Fusion Age		15.79434 ± 0.03434	50.16 ± 0.14		24	0.0182 ± 0.0001
		± 0.22%	± 0.28%			
			Full External Error ± 1.13			
			Analytical Error ± 0.11			
Normal Isochron	307.67 ± 12.25	15.59123 ± 0.08560	49.53 ± 0.28	2.27	70.92	
No Convergence	± 3.98%	± 0.55%	± 0.57%	1%	15	
			Full External Error ± 1.15	1.78	2σ Confidence Limit	
			Analytical Error ± 0.27	1.5062	Error Magnification	
				100	Number of Iterations	
				0.0004385481	Convergence	
Inverse Isochron	300.59 ± 11.11	15.66014 ± 0.07696	49.74 ± 0.26	1.87	70.92	
Error Chron	± 3.70%	± 0.49%	± 0.52%	3%	15	
			Full External Error ± 1.14	1.78	2σ Confidence Limit	
			Analytical Error ± 0.24	1.3687	Error Magnification	
Notes				2	Number of Iterations	
A plagioclase with some fluid inclusions that create bursts of excess Ar periodically. The plateau				0.0000997975	Convergence	
doesn't include the two excess Ar bursts. The isochron is atmospheric so the age is considered				46%	Spreading Factor	
reliable.						

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
14D26123	1.8 %	0.0235659	26.3660	0.0253389	1.44415	20.9713	46.17 ± 2.76	75.06	0.70	0.0236 ± 0.0041
14D26125	2.0 %	0.0115744	34.7898	0.0605648	1.75353	25.0149	45.37 ± 2.15	87.95	0.85	0.0217 ± 0.0028
14D26126	2.4 %	0.0140546	65.6873	0.0000000	3.02245	45.4275	47.77 ± 1.32	91.60	1.46	0.0198 ± 0.0014
14D26127	2.8 %	0.0192698	123.1279	0.0010556	5.19681	78.7475	48.15 ± 0.79	93.23	2.52	0.0181 ± 0.0007
14D26129	3.2 %	0.0163678	159.4127	0.0031658	6.45879	97.7549	48.10 ± 0.65	95.26	3.13	0.0174 ± 0.0006
14D26130	3.6 %	✓ 0.0129479	182.9155	0.0179783	6.92054	107.0821	49.16 ± 0.60	96.53	3.35	0.0163 ± 0.0005
14D26132	4.0 %	✓ 0.0154547	195.8372	0.0000000	7.32428	114.0608	49.47 ± 0.59	96.13	3.55	0.0161 ± 0.0004
14D26133	4.5 %	✓ 0.0130656	205.3228	0.0350181	7.78786	120.8465	49.29 ± 0.55	96.88	3.77	0.0163 ± 0.0004
14D26135	5.1 %	✓ 0.01526017	337.4681	0.0000000	13.59367	212.3942	49.63 ± 0.36	82.47	6.59	0.0173 ± 0.0003
14D26136	5.8 %	✓ 0.0338919	349.0681	0.0000000	13.87590	216.7296	49.61 ± 0.34	95.56	6.72	0.0171 ± 0.0003
14D26138	6.7 %	✓ 0.0305336	409.2605	0.0000000	17.00183	266.9782	49.88 ± 0.29	96.71	8.24	0.0179 ± 0.0003
14D26139	7.7 %	0.0895375	481.5820	0.0000000	20.63498	335.2188	51.57 ± 0.26	92.66	10.00	0.0184 ± 0.0003
14D26141	8.9 %	✓ 0.1019047	471.2207	0.0000000	20.59750	322.6087	49.75 ± 0.26	91.44	9.98	0.0188 ± 0.0003
14D26142	10.1 %	0.0850990	441.7111	0.0011778	18.57180	310.3333	53.03 ± 0.29	92.48	9.00	0.0181 ± 0.0003
14D26144	11.3 %	✓ 0.0763870	351.7002	0.0000000	15.67010	247.8372	50.23 ± 0.31	91.63	7.59	0.0192 ± 0.0003
14D26145	12.5 %	✓ 0.1233936	275.5850	0.0000000	12.32178	194.5646	50.15 ± 0.39	84.20	5.97	0.0192 ± 0.0004
14D26147	13.7 %	✓ 0.0538174	181.1456	0.0000000	9.20282	144.4352	49.85 ± 0.48	90.06	4.46	0.0218 ± 0.0006
14D26148	15.1 %	✓ 0.0714267	202.2429	0.0054970	10.04644	158.3271	50.05 ± 0.45	88.22	4.87	0.0214 ± 0.0005
14D26150	16.5 %	✓ 0.0258934	97.6010	0.0254163	4.63585	73.3260	50.23 ± 0.93	90.53	2.25	0.0204 ± 0.0010
14D26151	18.0 %	✓ 0.1426689	69.2962	0.0181080	2.87247	45.0011	49.76 ± 1.61	51.62	1.39	0.0178 ± 0.0013
14D26153	19.5 %	✓ 0.0360439	58.0837	0.0213933	2.21400	35.2310	50.53 ± 1.93	76.77	1.07	0.0164 ± 0.0013
14D26154	21.0 %	✓ 0.0228845	60.8867	0.0075831	2.32273	36.9968	50.58 ± 1.79	84.53	1.13	0.0164 ± 0.0013
14D26155	22.5 %	0.0108484	47.9182	0.0335454	1.55162	26.2795	53.74 ± 2.81	89.11	0.75	0.0139 ± 0.0015
14D26157	24.5 %	0.0131147	43.8529	0.0000000	1.40229	24.1667	54.67 ± 3.09	86.16	0.68	0.0138 ± 0.0015
Σ		1.1963476	4872.0824	0.2558424	206.42415	3260.3333				

Information on Analysis

Project = RURUTU (13-INT-08)
 Sample = RR1310-D14-08
 Material = Plagioclase
 Location = Rurutu Hotspot
 Region = Tuvalu
 Analyst = Kevin Konrad
 Irradiation = 14-OSU-02 (2A12-14)
 J = 0.00178090 ± 0.00000169
 FCT-NM = 28.201 ± 0.023 Ma

Results	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (%,n)	K/Ca ± 2σ
Age Plateau	15.68638 ± 0.04838	49.82 ± 0.18	1.86	70.92	0.0180 ± 0.0008
Error Mean	± 0.31%	± 0.36%	3%	15	
	Full External Error ± 1.13		1.76	2σ Confidence Limit	
	Analytical Error ± 0.15		1.3622	Error Magnification	
Total Fusion Age	15.79434 ± 0.03434	50.16 ± 0.14		24	0.0182 ± 0.0001
	± 0.22%	± 0.28%			
	Full External Error ± 1.13				
	Analytical Error ± 0.11				

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
14D26123	1.8 %		61.28 ± 6.56	1185.40 ± 111.70	0.8762
14D26125	2.0 %		151.50 ± 27.84	2456.73 ± 440.65	0.9747
14D26126	2.4 %		215.05 ± 33.02	3527.72 ± 535.09	0.9874
14D26127	2.8 %		269.69 ± 32.68	4382.07 ± 527.62	0.9932
14D26129	3.2 %		394.60 ± 55.11	6267.90 ± 872.48	0.9965
14D26130	3.6 %	✓	534.49 ± 96.96	8565.75 ± 1551.27	0.9983
14D26132	4.0 %	✓	473.92 ± 74.16	7675.84 ± 1198.70	0.9979
14D26133	4.5 %	✓	596.06 ± 108.84	9544.68 ± 1740.63	0.9986
14D26135	5.1 %	✓	89.08 ± 2.04	1687.32 ± 37.59	0.9698
14D26136	5.8 %	✓	409.42 ± 37.21	6690.23 ± 607.04	0.9981
14D26138	6.7 %	✓	556.82 ± 56.67	9039.26 ± 919.03	0.9989
14D26139	7.7 %		230.46 ± 9.46	4039.39 ± 165.09	0.9954
14D26141	8.9 %	✓	202.13 ± 7.21	3461.29 ± 122.64	0.9936
14D26142	10.1 %		218.24 ± 8.96	3942.23 ± 160.88	0.9940
14D26144	11.3 %	✓	205.14 ± 8.65	3539.99 ± 148.36	0.9931
14D26145	12.5 %	✓	99.86 ± 2.63	1872.28 ± 47.96	0.9713
14D26147	13.7 %	✓	171.00 ± 8.17	2979.30 ± 140.42	0.9853
14D26148	15.1 %	✓	140.65 ± 5.50	2512.14 ± 96.47	0.9814
14D26150	16.5 %	✓	179.04 ± 17.04	3127.34 ± 293.53	0.9858
14D26151	18.0 %	✓	20.13 ± 0.67	610.92 ± 12.71	0.6192
14D26153	19.5 %	✓	61.42 ± 4.48	1272.94 ± 83.03	0.8909
14D26154	21.0 %	✓	101.50 ± 10.26	1912.17 ± 184.24	0.9514
14D26155	22.5 %		143.03 ± 29.25	2717.94 ± 541.49	0.9732
14D26157	24.5 %		106.93 ± 17.83	2138.22 ± 339.92	0.9517

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	307.67 ± 12.25	15.59123 ± 0.08560	49.53 ± 0.28	2.27
No Convergence	± 3.98%	± 0.55%	± 0.57%	1%
			Full External Error ± 1.15	
			Analytical Error ± 0.27	
Statistics	2σ Confidence Limit	1.78	Convergence	0.000438548072
	Error Magnification	1.5062	Number of Iterations	100
	Number of Data Points	15	Calculated Line	Weighted York-2

Inverse Isochron		39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
14D26123	1.8 %	0.0516966 ± 0.0026664	0.00084360 ± 0.00007949	0.0092
14D26125	2.0 %	0.0616678 ± 0.0025351	0.00040705 ± 0.00007301	0.0059
14D26126	2.4 %	0.0609603 ± 0.0014819	0.00028347 ± 0.00004300	0.0038
14D26127	2.8 %	0.0615431 ± 0.0008684	0.00022820 ± 0.00002748	0.0030
14D26129	3.2 %	0.0629563 ± 0.0007368	0.00015954 ± 0.00002221	0.0021
14D26130	3.6 % ✓	0.0623988 ± 0.0006646	0.00011674 ± 0.00002114	0.0015
14D26132	4.0 % ✓	0.0617418 ± 0.0006323	0.00013028 ± 0.00002035	0.0016
14D26133	4.5 % ✓	0.0624490 ± 0.0006017	0.00010477 ± 0.00001911	0.0013
14D26135	5.1 % ✓	0.0527934 ± 0.0002956	0.00059266 ± 0.00001320	0.0049
14D26136	5.8 % ✓	0.0611961 ± 0.0003388	0.00014947 ± 0.00001356	0.0015
14D26138	6.7 % ✓	0.0616006 ± 0.0002966	0.00011063 ± 0.00001125	0.0010
14D26139	7.7 %	0.0570536 ± 0.0002240	0.00024756 ± 0.00001012	0.0020
14D26141	8.9 % ✓	0.0583959 ± 0.0002361	0.00028891 ± 0.00001024	0.0023
14D26142	10.1 %	0.0553589 ± 0.0002480	0.00025366 ± 0.00001035	0.0020
14D26144	11.3 % ✓	0.0579495 ± 0.0002867	0.00028249 ± 0.00001184	0.0026
14D26145	12.5 % ✓	0.0533347 ± 0.0003344	0.00053411 ± 0.00001368	0.0046
14D26147	13.7 % ✓	0.0573963 ± 0.0004682	0.00033565 ± 0.00001582	0.0038
14D26148	15.1 % ✓	0.0559897 ± 0.0004204	0.00039807 ± 0.00001529	0.0042
14D26150	16.5 % ✓	0.0572486 ± 0.0009145	0.00031976 ± 0.00003001	0.0035
14D26151	18.0 % ✓	0.0329564 ± 0.0008603	0.00163687 ± 0.00003406	0.0087
14D26153	19.5 % ✓	0.0482542 ± 0.0015984	0.00078558 ± 0.00005124	0.0079
14D26154	21.0 % ✓	0.0530799 ± 0.0016514	0.00052297 ± 0.00005039	0.0061
14D26155	22.5 %	0.0526237 ± 0.0024727	0.00036793 ± 0.00007330	0.0044
14D26157	24.5 %	0.0500068 ± 0.0025593	0.00046768 ± 0.00007435	0.0055

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	300.59 ± 11.11	15.66014 ± 0.07696	49.74 ± 0.26	1.87
Error Chron	± 3.70%	± 0.49%	± 0.52%	3%
			Full External Error ± 1.14	
			Analytical Error ± 0.24	
Statistics	2σ Confidence Limit	1.78	Convergence	0.0000997975
	Error Magnification	1.3687	Number of Iterations	2
	Number of Data Points	15	Calculated Line	Weighted York-2
	Spreading Factor	46.2%		

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]
14D26123	1.8 %	0.0235659	4.70	0.0000000	0.00	0.0070213	8.31	0.0000082	148.11	26.3660	8.30	0.0044045	4.70	0.0000000	0.00	0.0173745	2.56	0.0018931	15.27	0.0253389	148.12	1.44415	2.56	0.0178129	8.41	20.9713	1.62	6.96373	4.70	0.0000000	0.00	0.0055210
14D26125	2.0 %	0.0115744	8.96	0.0000000	0.00	0.0092645	6.07	0.0000196	62.18	34.7898	6.07	0.0021633	8.96	0.0000000	0.00	0.0210967	2.04	0.0024979	14.18	0.0605648	62.18	1.75353	2.03	0.0235040	6.21	25.0149	1.28	3.42023	8.96	0.0000000	0.00	0.0067037
14D26126	2.4 %	0.0140546	7.58	0.0000000	0.00	0.0174925	3.32	0.0000000	0.00	65.6873	3.32	0.0026268	7.58	0.0000000	0.00	0.0363630	1.21	0.0047163	13.24	0.0000000	0.00	3.02245	1.20	0.0443784	3.57	45.4275	0.72	4.15312	7.58	0.0000000	0.00	0.0115548
14D26127	2.8 %	0.0192698	6.02	0.0000000	0.00	0.0327890	1.82	0.0000003	#####	123.1279	1.82	0.0036015	6.02	0.0000000	0.00	0.0625228	0.71	0.0088406	12.95	0.0010556	#####	5.19681	0.70	0.0831852	2.24	78.7475	0.45	5.69423	6.02	0.0000000	0.00	0.0198674
14D26129	3.2 %	0.0163678	6.96	0.0000000	0.00	0.0424516	1.48	0.0000010	#####	159.4127	1.47	0.0030591	6.96	0.0000000	0.00	0.0777057	0.60	0.0114458	12.90	0.0031658	#####	6.45879	0.58	0.1076992	1.98	97.7549	0.36	4.83668	6.96	0.0000000	0.00	0.0246920
14D26130	3.6 %	✓ 0.0129479	9.05	0.0000000	0.00	0.0487104	1.32	0.0000058	210.43	182.9155	1.31	0.0024200	9.05	0.0000000	0.00	0.0832610	0.55	0.0131333	12.89	0.0179783	210.43	6.92054	0.53	0.1235777	1.86	107.0821	0.34	3.82610	9.05	0.0000000	0.00	0.0264572
14D26132	4.0 %	✓ 0.0154547	7.81	0.0000000	0.00	0.0521515	1.21	0.0000000	0.00	195.8372	1.20	0.0028885	7.81	0.0000000	0.00	0.0881184	0.53	0.0140611	12.88	0.0000000	0.00	7.32428	0.51	0.1323076	1.78	114.0608	0.32	4.56686	7.81	0.0000000	0.00	0.0280007
14D26133	4.5 %	✓ 0.0130656	9.12	0.0000000	0.00	0.0546775	1.23	0.0000113	104.44	205.3228	1.22	0.0024420	9.12	0.0000000	0.00	0.0936957	0.50	0.0147422	12.88	0.0350181	104.45	7.78786	0.48	0.1387161	1.80	120.8465	0.30	3.86090	9.12	0.0000000	0.00	0.0297730
14D26135	5.1 %	✓ 0.1526017	1.11	0.0000000	0.00	0.0898678	0.90	0.0000000	0.00	337.4681	0.89	0.0285213	1.11	0.0000000	0.00	0.1635454	0.32	0.0242302	12.85	0.0000000	0.00	13.59367	0.28	0.2279934	1.59	212.3942	0.24	45.09381	1.11	0.0000000	0.00	0.0519686
14D26136	5.8 %	✓ 0.0338919	4.54	0.0000000	0.00	0.0929568	0.88	0.0000000	0.00	349.0681	0.87	0.0063344	4.54	0.0000000	0.00	0.1669409	0.32	0.0250631	12.85	0.0000000	0.00	13.87590	0.27	0.2358304	1.58	216.7296	0.21	10.01506	4.54	0.0000000	0.00	0.0530476
14D26138	6.7 %	✓ 0.0305336	5.08	0.0000000	0.00	0.1089861	0.81	0.0000000	0.00	409.2605	0.79	0.0057067	5.08	0.0000000	0.00	0.2045490	0.29	0.0293849	12.84	0.0000000	0.00	17.00183	0.24	0.2764964	1.54	266.9782	0.18	9.02267	5.08	0.0000000	0.00	0.0649980
14D26139	7.7 %	0.0895375	2.04	0.0000000	0.00	0.1282453	0.79	0.0000000	0.00	481.5820	0.78	0.0167346	2.04	0.0000000	0.00	0.2482594	0.25	0.0345776	12.84	0.0000000	0.00	20.63498	0.19	0.3253568	1.53	335.2188	0.16	26.45833	2.04	0.0000000	0.00	0.0788875
14D26141	8.9 %	✓ 0.1019047	1.77	0.0000000	0.00	0.1254861	0.77	0.0000000	0.00	471.2207	0.75	0.0190460	1.77	0.0000000	0.00	0.2478085	0.26	0.0338336	12.84	0.0000000	0.00	20.59750	0.20	0.3183567	1.52	322.6087	0.17	30.11285	1.77	0.0000000	0.00	0.0787442
14D26142	10.1 %	0.0850990	2.04	0.0000000	0.00	0.1176277	0.77	0.0000004	#####	441.7111	0.75	0.0159050	2.04	0.0000000	0.00	0.2234374	0.27	0.0317149	12.84	0.0011778	#####	18.57180	0.22	0.2984200	1.52	310.3333	0.17	25.14676	2.04	0.0000000	0.00	0.0710000
14D26144	11.3 %	✓ 0.0763870	2.10	0.0000000	0.00	0.0936578	0.89	0.0000000	0.00	351.7002	0.88	0.0142767	2.10	0.0000000	0.00	0.1885270	0.29	0.0252521	12.85	0.0000000	0.00	15.67010	0.24	0.2376086	1.58	247.8372	0.20	22.57235	2.10	0.0000000	0.00	0.0599068
14D26145	12.5 %	✓ 0.1233936	1.28	0.0000000	0.00	0.0733883	1.00	0.0000000	0.00	275.5850	0.99	0.0230623	1.28	0.0000000	0.00	0.1482433	0.35	0.0197870	12.86	0.0000000	0.00	12.32178	0.31	0.1861852	1.65	194.5646	0.25	36.46280	1.28	0.0000000	0.00	0.0471062
14D26147	13.7 %	✓ 0.0538174	2.36	0.0000000	0.00	0.0482391	1.32	0.0000000	0.00	181.1456	1.31	0.0100585	2.36	0.0000000	0.00	0.1107191	0.43	0.0130063	12.89	0.0000000	0.00	9.20282	0.40	0.1223820	1.86	144.4352	0.27	15.90303	2.36	0.0000000	0.00	0.0351824
14D26148	15.1 %	✓ 0.0714267	1.92	0.0000000	0.00	0.0538573	1.24	0.0000018	692.72	202.2429	1.23	0.0133497	1.92	0.0000000	0.00	0.1208687	0.40	0.0145210	12.88	0.0054970	692.72	10.04644	0.37	0.1366353	1.81	158.3271	0.26	21.10659	1.92	0.0000000	0.00	0.0384075
14D26150	16.5 %	✓ 0.0258934	4.69	0.0000000	0.00	0.0259912	2.30	0.0000082	157.98	97.6010	2.29	0.0048395	4.69	0.0000000	0.00	0.0557739	0.81	0.0070078	13.02	0.0254163	157.99	4.63585	0.79	0.0659393	2.64	73.3260	0.51	7.65150	4.69	0.0000000	0.00	0.0177228
14D26151	18.0 %	✓ 0.1426689	1.03	0.0000000	0.00	0.0184536	3.27	0.0000059	215.61	69.2962	3.27	0.0266648	1.03	0.0000000	0.00	0.0345587	1.31	0.0049755	13.23	0.0181080	215.61	2.87247	1.30	0.0468165	3.53	45.0011	0.99	42.15866	1.03	0.0000000	0.00	0.0109815
14D26153	19.5 %	✓ 0.0360439	3.25	0.0000000	0.00	0.0154677	3.65	0.0000069	173.89	58.0837	3.65	0.0067366	3.25	0.0000000	0.00	0.0266366	1.65	0.0041704	13.33	0.0213933	173.89	2.21400	1.64	0.0392414	3.88	35.2310	1.02	10.65098	3.25	0.0000000	0.00	0.0084641
14D26154	21.0 %	✓ 0.0228845	4.81	0.0000000	0.00	0.0162141	3.69	0.0000025	516.83	60.8867	3.68	0.0042771	4.81	0.0000000	0.00	0.0279448	1.55	0.0043717	13.34	0.0075831	516.83	2.32273	1.54	0.0411351	3.91	36.9968	0.92	6.76237	4.81	0.0000000	0.00	0.0088798
14D26155	22.5 %	0.0108484	9.96	0.0000000	0.00	0.0127606	4.73	0.0000109	113.74	47.9182	4.73	0.0020276	9.96	0.0000000	0.00	0.0186675	2.33	0.0034405	13.67	0.0335454	113.74	1.55162	2.33	0.0323735	4.91	26.2795	1.27	3.20569	9.96	0.0000000	0.00	0.0059318
14D26157	24.5 %	0.0131147	7.94	0.0000000	0.00	0.0116780	4.70	0.0000000	0.00	43.8529	4.70	0.0024511	7.94	0.0000000	0.00	0.0168710	2.54	0.0031486	13.65	0.0000000	0.00	1.40229	2.54	0.0296270	4.88	24.1667	1.33	3.87540	7.94	0.0000000	0.00	0.0053610
Σ		1.1963476	0.56	0.0000000	0.00	1.2974355	0.27	0.0000828	53.86	4872.0824	0.26	0.2235974	0.56	0.0000000	0.00	2.4834890	0.10	0.3498155	3.25	0.2558424	53.86	206.42415	0.09	3.2915788	0.43	3260.3333	0.06	353.52070	0.56	0.0000000	0.00	0.7891595
Σ								2.4938659	0.30	4872.0824	0.26									3.3127443	4.17			209.71573	0.09							3614.6432

%1σ

3.69
3.35
2.92
2.75
2.72
2.71
2.71
2.70
2.67
2.67
2.67
2.67
2.67
2.67
2.68
2.69
2.69
2.77
2.96
3.13
3.07
3.53
3.68

0.68

0.08

Additional Parameters		40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
14D26123	1.8 %	19.111729	0.486567	18.034748	1.565232	0.020928	0.000833	199.265	51.334126	1.00140789	1.341E-12
14D26125	2.0 %	16.005221	0.324469	19.577483	1.250622	0.011738	0.000544	199.283	51.351732	1.00140801	1.365E-12
14D26126	2.4 %	16.170521	0.193595	21.418682	0.754898	0.010287	0.000316	199.291	51.360185	1.00140807	2.380E-12
14D26127	2.8 %	15.996537	0.110976	23.319709	0.452502	0.009860	0.000200	199.300	51.369344	1.00140813	4.054E-12
14D26129	3.2 %	15.627268	0.089834	24.276704	0.382763	0.008958	0.000153	199.317	51.386258	1.00140825	4.926E-12
14D26130	3.6 %	✓ 15.748563	0.082280	25.967146	0.365183	0.008754	0.000146	199.326	51.395422	1.00140831	5.325E-12
14D26132	4.0 %	✓ 15.912865	0.079917	26.263656	0.341144	0.009067	0.000145	199.343	51.413049	1.00140844	5.695E-12
14D26133	4.5 %	✓ 15.736584	0.074351	25.903095	0.337862	0.008548	0.000130	199.351	51.421513	1.00140850	5.987E-12
14D26135	5.1 %	✓ 18.633067	0.051081	24.415882	0.227005	0.017543	0.000118	199.369	51.439149	1.00140862	1.236E-11
14D26136	5.8 %	✓ 16.071580	0.043561	24.736027	0.225280	0.008989	0.000095	199.377	51.447616	1.00140868	1.089E-11
14D26138	6.7 %	✓ 15.977585	0.037658	23.686358	0.195462	0.008075	0.000076	199.394	51.465262	1.00140880	1.325E-11
14D26139	7.7 %	17.259078	0.033110	22.975874	0.183430	0.010390	0.000075	199.403	51.474440	1.00140886	1.736E-11
14D26141	8.9 %	✓ 16.867601	0.033356	22.529355	0.174675	0.010872	0.000076	199.420	51.491388	1.00140898	1.693E-11
14D26142	10.1 %	17.782040	0.038981	23.407835	0.183348	0.010743	0.000082	199.429	51.500570	1.00140905	1.611E-11
14D26144	11.3 %	✓ 17.002412	0.041243	22.108788	0.200769	0.010689	0.000090	199.447	51.518234	1.00140917	1.298E-11
14D26145	12.5 %	✓ 18.474194	0.056881	22.032766	0.228719	0.015733	0.000122	199.455	51.526714	1.00140923	1.109E-11
14D26147	13.7 %	✓ 17.197846	0.069122	19.425385	0.266369	0.010944	0.000125	199.472	51.544387	1.00140935	7.698E-12
14D26148	15.1 %	✓ 17.624554	0.065163	19.860700	0.255292	0.012303	0.000126	199.481	51.552872	1.00140941	8.615E-12
14D26150	16.5 %	✓ 17.226466	0.135543	20.758283	0.502150	0.011037	0.000241	199.498	51.570553	1.00140953	3.888E-12
14D26151	18.0 %	✓ 29.860279	0.383182	23.737375	0.833615	0.055194	0.000843	199.507	51.579750	1.00140960	4.184E-12
14D26153	19.5 %	✓ 20.366431	0.331239	25.777902	1.028622	0.022864	0.000587	199.524	51.597440	1.00140972	2.203E-12
14D26154	21.0 %	✓ 18.515429	0.282832	25.757234	1.025792	0.016541	0.000464	199.533	51.605934	1.00140978	2.101E-12
14D26155	22.5 %	18.618198	0.428235	30.251514	1.588771	0.014912	0.000659	199.541	51.614429	1.00140984	1.416E-12
14D26157	24.5 %	19.587290	0.490635	30.625287	1.628005	0.017314	0.000753	199.558	51.632132	1.00140996	1.346E-12

Procedure		36Ar ± 1σ (SE)	37Ar ± 1σ (SE)	38Ar ± 1σ (SE)	39Ar ± 1σ (SE)	40Ar ± 1σ (SE)
Blanks		[fA]	[fA]	[fA]	[fA]	[fA]
14D26123	1.8 %	0.0200882 ± 0.0006711	0.0124436 ± 0.0285296	0.0654715 ± 0.0265045	0.0329926 ± 0.0252846	5.9184507 ± 0.0887470
14D26125	2.0 %	0.0203381 ± 0.0006711	0.0014727 ± 0.0285296	0.0692704 ± 0.0265045	0.0487998 ± 0.0252846	5.8639768 ± 0.0887470
14D26126	2.4 %	0.0204074 ± 0.0006711	0.0020331 ± 0.0285296	0.0687821 ± 0.0265045	0.0526120 ± 0.0252846	5.8464467 ± 0.0887470
14D26127	2.8 %	0.0204496 ± 0.0006711	0.0048251 ± 0.0285296	0.0670252 ± 0.0265045	0.0545509 ± 0.0252846	5.8329136 ± 0.0887470
14D26129	3.2 %	0.0204484 ± 0.0006711	0.0078899 ± 0.0285296	0.0615273 ± 0.0265045	0.0535185 ± 0.0252846	5.8206807 ± 0.0887470
14D26130	3.6 %	0.0204110 ± 0.0006711	0.0087368 ± 0.0285296	0.0578709 ± 0.0265045	0.0511470 ± 0.0252846	5.8198198 ± 0.0887470
14D26132	4.0 %	0.0202814 ± 0.0006711	0.0094056 ± 0.0285296	0.0506346 ± 0.0265045	0.0444686 ± 0.0252846	5.8269121 ± 0.0887470
14D26133	4.5 %	0.0201977 ± 0.0006711	0.0094716 ± 0.0285296	0.0474207 ± 0.0265045	0.0407427 ± 0.0252846	5.8334686 ± 0.0887470
14D26135	5.1 %	0.0199931 ± 0.0006711	0.0094471 ± 0.0285296	0.0419937 ± 0.0265045	0.0328976 ± 0.0252846	5.8514290 ± 0.0887470
14D26136	5.8 %	0.0198857 ± 0.0006711	0.0094487 ± 0.0285296	0.0402030 ± 0.0265045	0.0293923 ± 0.0252846	5.8613121 ± 0.0887470
14D26138	6.7 %	0.0196570 ± 0.0006711	0.0095908 ± 0.0285296	0.0385229 ± 0.0265045	0.0232134 ± 0.0252846	5.8825670 ± 0.0887470
14D26139	7.7 %	0.0195416 ± 0.0006711	0.0097303 ± 0.0285296	0.0388152 ± 0.0265045	0.0207595 ± 0.0252846	5.8931946 ± 0.0887470
14D26141	8.9 %	0.0193484 ± 0.0006711	0.0099629 ± 0.0285296	0.0414290 ± 0.0265045	0.0177465 ± 0.0252846	5.9104564 ± 0.0887470
14D26142	10.1 %	0.0192604 ± 0.0006711	0.0099581 ± 0.0285296	0.0438794 ± 0.0265045	0.0169141 ± 0.0252846	5.9178967 ± 0.0887470
14D26144	11.3 %	0.0191383 ± 0.0006711	0.0092686 ± 0.0285296	0.0502226 ± 0.0265045	0.0166196 ± 0.0252846	5.9270415 ± 0.0887470
14D26145	12.5 %	0.0191072 ± 0.0006711	0.0084109 ± 0.0285296	0.0538016 ± 0.0265045	0.0169048 ± 0.0252846	5.9285514 ± 0.0887470
14D26147	13.7 %	0.0191136 ± 0.0006711	0.0048560 ± 0.0285296	0.0615926 ± 0.0265045	0.0176996 ± 0.0252846	5.9246466 ± 0.0887470
14D26148	15.1 %	0.0191561 ± 0.0006711	0.0019976 ± 0.0285296	0.0651269 ± 0.0265045	0.0178369 ± 0.0252846	5.9190464 ± 0.0887470
14D26150	16.5 %	0.0193405 ± 0.0006711	0.0072860 ± 0.0285296	0.0709093 ± 0.0265045	0.0165069 ± 0.0252846	5.8988668 ± 0.0887470
14D26151	18.0 %	0.0194936 ± 0.0006711	0.0143476 ± 0.0285296	0.0724941 ± 0.0265045	0.0143838 ± 0.0252846	5.8835702 ± 0.0887470
14D26153	19.5 %	0.0199123 ± 0.0006711	0.0334662 ± 0.0285296	0.0712087 ± 0.0265045	0.0059491 ± 0.0252846	5.8444529 ± 0.0887470
14D26154	21.0 %	0.0201766 ± 0.0006711	0.0457432 ± 0.0285296	0.0679003 ± 0.0265045	0.0008088 ± 0.0252846	5.8210300 ± 0.0887470
14D26155	22.5 %	0.0204853 ± 0.0006711	0.0603828 ± 0.0285296	0.0623841 ± 0.0265045	0.0097968 ± 0.0252846	5.7945524 ± 0.0887470
14D26157	24.5 %	0.0212821 ± 0.0006711	0.0997019 ± 0.0285296	0.0421690 ± 0.0265045	0.0373675 ± 0.0252846	5.7295684 ± 0.0887470

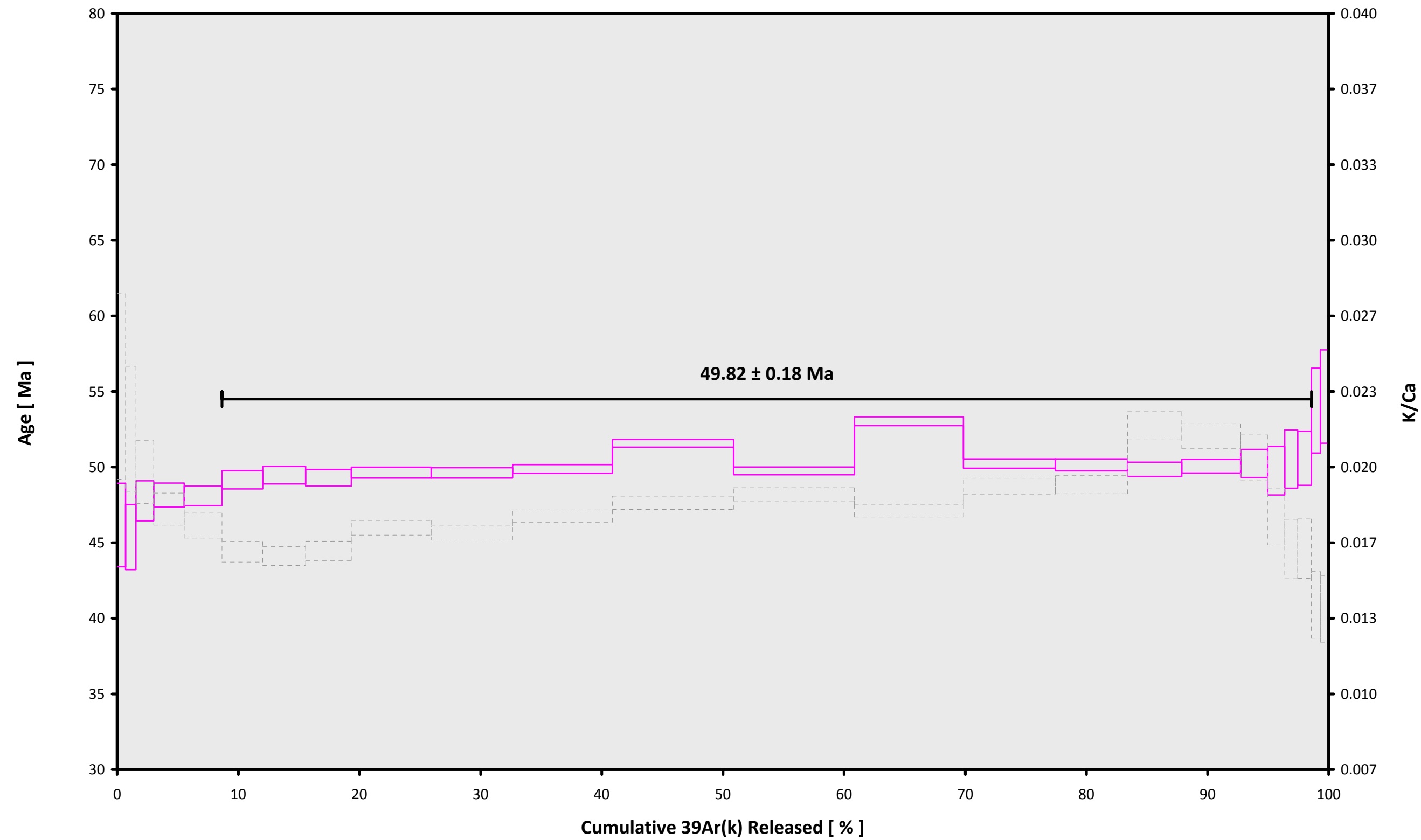
Intercept Values		36Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	37Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	38Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	39Ar ± 1σ (SE) [fA]	r2	Regression (type,n)	40Ar ± 1σ (SE) [fA]	r2	Regression (type,n)
14D26123	1.8 %	0.0493698 ± 0.0005959	0.5955	EXP 150 of 150	0.4903694 ± 0.0303368	0.0062	EXP 150 of 150	0.0171486 ± 0.0258115	0.0009	EXP 150 of 150	1.4166790 ± 0.0264289	0.0539	EXP 150 of 150	33.930074 ± 0.029470	0.9958	EXP 150 of 150
14D26125	2.0 %	0.0403009 ± 0.0004925	0.6430	EXP 150 of 150	0.6617587 ± 0.0280946	0.0194	EXP 150 of 150	0.0158403 ± 0.0259844	0.0166	EXP 150 of 150	1.7132991 ± 0.0245301	0.1410	EXP 150 of 150	34.378142 ± 0.030736	0.9936	EXP 150 of 150
14D26126	2.4 %	0.0505999 ± 0.0005228	0.5180	EXP 150 of 150	1.2540858 ± 0.0292924	0.0473	EXP 150 of 150	0.0464630 ± 0.0253396	0.0084	EXP 150 of 150	2.9884371 ± 0.0254846	0.3121	EXP 150 of 150	55.564735 ± 0.029178	0.9894	EXP 150 of 150
14D26127	2.8 %	0.0702732 ± 0.0006606	0.3315	EXP 150 of 150	2.3513225 ± 0.0283531	0.2000	EXP 150 of 150	0.0079280 ± 0.0270661	0.0002	EXP 150 of 150	5.1810669 ± 0.0251606	0.5606	EXP 150 of 150	90.509370 ± 0.034920	0.9193	EXP 150 of 150
14D26129	3.2 %	0.0767430 ± 0.0005946	0.3544	EXP 150 of 150	3.0448819 ± 0.0291783	0.2384	EXP 150 of 150	0.0325101 ± 0.0262136	0.0003	EXP 150 of 150	6.4577834 ± 0.0265838	0.6941	EXP 150 of 150	108.698013 ± 0.034242	0.3997	EXP 150 of 150
14D26130	3.6 %	0.0794272 ± 0.0006369	0.2806	EXP 150 of 150	3.4928624 ± 0.0287978	0.4379	EXP 150 of 150	0.0572818 ± 0.0261831	0.0069	EXP 150 of 150	6.9337645 ± 0.0251988	0.7541	EXP 150 of 150	117.036690 ± 0.034831	0.2629	EXP 150 of 150
14D26132	4.0 %	0.0849845 ± 0.0006983	0.1725	EXP 150 of 150	3.7383816 ± 0.0263022	0.3879	EXP 150 of 150	0.0380891 ± 0.0253204	0.0000	EXP 150 of 150	7.3494489 ± 0.0260847	0.7561	EXP 149 of 150	124.784421 ± 0.034110	0.7802	EXP 150 of 150
14D26133	4.5 %	0.0850427 ± 0.0006370	0.2810	EXP 148 of 150	3.9184200 ± 0.0300945	0.3965	EXP 150 of 150	0.0964288 ± 0.0243680	0.0928	EXP 149 of 150	7.8192101 ± 0.0259989	0.7788	EXP 149 of 150	130.887968 ± 0.036735	0.8663	EXP 150 of 150
14D26135	5.1 %	0.2520507 ± 0.0010920	0.3498	EXP 150 of 150	6.4319838 ± 0.0311253	0.6227	EXP 149 of 150	0.1319000 ± 0.0291160	0.0004	EXP 150 of 150	13.6725967 ± 0.0257042	0.9148	EXP 150 of 150	264.046544 ± 0.046955	0.9960	EXP 150 of 150
14D26136	5.8 %	0.1412874 ± 0.0009940	0.0003	EXP 150 of 150	6.6516576 ± 0.0307822	0.6055	EXP 150 of 150	0.1186239 ± 0.0268863	0.0006	EXP 150 of 150	13.9637281 ± 0.0259832	0.9230	EXP 150 of 150	233.236012 ± 0.044249	0.9943	EXP 150 of 150
14D26138	6.7 %	0.1531856 ± 0.0009581	0.0268	EXP 150 of 150	7.7944963 ± 0.0284626	0.7307	EXP 150 of 150	0.1585484 ± 0.0253133	0.0000	EXP 150 of 150	17.1098852 ± 0.0287252	0.9333	EXP 150 of 150	282.650715 ± 0.039126	0.9978	EXP 150 of 150
14D26139	7.7 %	0.2279727 ± 0.0011634	0.1580	EXP 150 of 150	9.1686923 ± 0.0349556	0.6779	EXP 150 of 150	0.2092231 ± 0.0266476	0.0001	EXP 150 of 150	20.7634011 ± 0.0269026	0.9608	EXP 150 of 150	368.569468 ± 0.053454	0.9981	EXP 150 of 150
14D26141	8.9 %	0.2369749 ± 0.0011572	0.1926	EXP 150 of 150	8.9689196 ± 0.0287065	0.7597	EXP 150 of 150	0.2166723 ± 0.0251921	0.0120	EXP 150 of 150	20.7223072 ± 0.0285813	0.9577	EXP 150 of 150	359.608236 ± 0.048634	0.9984	EXP 150 of 150
14D26142	10.1 %	0.2132822 ± 0.0011336	0.1155	EXP 150 of 150	8.4063731 ± 0.0254900	0.7771	EXP 150 of 150	0.2245332 ± 0.0274892	0.0124	EXP 149 of 150	18.6947003 ± 0.0292445	0.9397	EXP 150 of 150	342.322549 ± 0.051957	0.9978	EXP 150 of 150
14D26144	11.3 %	0.1818812 ± 0.0010320	0.0865	EXP 150 of 150	6.6923886 ± 0.0317770	0.6064	EXP 150 of 150	0.1741453 ± 0.0254356	0.0063	EXP 150 of 150	15.7573794 ± 0.0260895	0.9394	EXP 150 of 150	277.084502 ± 0.045819	0.9968	EXP 150 of 150
14D26145	12.5 %	0.2074391 ± 0.0010367	0.1569	EXP 150 of 150	5.2443040 ± 0.0300284	0.5840	EXP 150 of 150	0.1112321 ± 0.0242720	0.0071	EXP 150 of 150	12.3859226 ± 0.0268732	0.8985	EXP 150 of 150	237.590886 ± 0.045936	0.9943	EXP 150 of 150
14D26147	13.7 %	0.1167877 ± 0.0007611	0.0024	EXP 150 of 150	3.4452971 ± 0.0282842	0.3256	EXP 149 of 150	0.0655443 ± 0.0272460	0.0001	EXP 150 of 150	9.2291183 ± 0.0259364	0.8236	EXP 150 of 150	166.705985 ± 0.040006	0.9805	EXP 150 of 150
14D26148	15.1 %	0.1390620 ± 0.0008688	0.0000	EXP 150 of 150	3.8425013 ± 0.0299414	0.3097	EXP 150 of 150	0.0869439 ± 0.0265174	0.0116	EXP 150 of 150	10.0796410 ± 0.0260482	0.8402	EXP 150 of 150	185.847709 ± 0.043505	0.9860	EXP 150 of 150
14D26150	16.5 %	0.0690050 ± 0.0007462	0.2557	EXP 150 of 150	1.8454788 ± 0.0293868	0.0954	EXP 150 of 150	0.0208218 ± 0.0293860	0.0022	EXP 150 of 150	4.6457589 ± 0.0258466	0.4664	EXP 150 of 150	87.100091 ± 0.028998	0.9167	EXP 150 of 150
14D26151	18.0 %	0.1737030 ± 0.0010174	0.1010	EXP 150 of 150	1.3008715 ± 0.0312169	0.0215	EXP 150 of 150	0.0106292 ± 0.0279004	0.0037	EXP 150 of 150	2.8803655 ± 0.0269630	0.2093	EXP 150 of 150	93.276081 ± 0.033315	0.7863	EXP 150 of 150
14D26153	19.5 %	0.0692186 ± 0.0007068	0.2046	EXP 150 of 150	1.0685655 ± 0.0275709	0.0469	EXP 150 of 150	0.0130993 ± 0.0253390	0.0042	EXP 150 of 150	2.2283480 ± 0.0256452	0.1061	EXP 150 of 150	51.851600 ± 0.033920	0.9827	EXP 150 of 150
14D26154	21.0 %	0.0575986 ± 0.0005681	0.3154	EXP 150 of 150	1.1092795 ± 0.0308044	0.0864	EXP 150 of 150	0.0243439 ± 0.0281057	0.0001	EXP 150 of 150	2.3448066 ± 0.0248013	0.2036	EXP 150 of 150	49.700406 ± 0.030873	0.9874	EXP 150 of 150
14D26155	22.5 %	0.0430909 ± 0.0005290	0.5626	EXP 150 of 150	0.8484768 ± 0.0317219	0.0311	EXP 150 of 150	0.0055130 ± 0.0266823	0.0097	EXP 150 of 150	1.5804744 ± 0.0252845	0.0003	EXP 150 of 150	35.360662 ± 0.033773	0.9904	EXP 150 of 150
14D26157	24.5 %	0.0450103 ± 0.0005125	0.5470	EXP 150 of 150	0.7317676 ± 0.0262458	0.0291	EXP 150 of 150	0.0356883 ± 0.0258722	0.0004	EXP 150 of 150	1.4572500 ± 0.0245388	0.0501	EXP 150 of 150	33.848338 ± 0.031369	0.9916	EXP 150 of 150

Project Info		Analyst	Irradiation	X-pos	Y-pos	Z/H-pos	Project	Experiment	Nmb
14D26123	1.8 %	Kevin Konrad	14-OSU-02	0.00	0.00	17.00	French Polynesia\Rurutu (13-INT-08)	14D26122	01
14D26125	2.0 %	Kevin Konrad	14-OSU-02	0.00	0.00	17.00	French Polynesia\Rurutu (13-INT-08)	14D26122	01
14D26126	2.4 %	Kevin Konrad	14-OSU-02	0.00	0.00	17.00	French Polynesia\Rurutu (13-INT-08)	14D26122	01
14D26127	2.8 %	Kevin Konrad	14-OSU-02	0.00	0.00	17.00	French Polynesia\Rurutu (13-INT-08)	14D26122	01
14D26129	3.2 %	Kevin Konrad	14-OSU-02	0.00	0.00	17.00	French Polynesia\Rurutu (13-INT-08)	14D26122	01
14D26130	3.6 %	Kevin Konrad	14-OSU-02	0.00	0.00	17.00	French Polynesia\Rurutu (13-INT-08)	14D26122	01
14D26132	4.0 %	Kevin Konrad	14-OSU-02	0.00	0.00	17.00	French Polynesia\Rurutu (13-INT-08)	14D26122	01
14D26133	4.5 %	Kevin Konrad	14-OSU-02	0.00	0.00	17.00	French Polynesia\Rurutu (13-INT-08)	14D26122	01
14D26135	5.1 %	Kevin Konrad	14-OSU-02	0.00	0.00	17.00	French Polynesia\Rurutu (13-INT-08)	14D26122	01
14D26136	5.8 %	Kevin Konrad	14-OSU-02	0.00	0.00	17.00	French Polynesia\Rurutu (13-INT-08)	14D26122	01
14D26138	6.7 %	Kevin Konrad	14-OSU-02	0.00	0.00	17.00	French Polynesia\Rurutu (13-INT-08)	14D26122	01
14D26139	7.7 %	Kevin Konrad	14-OSU-02	0.00	0.00	17.00	French Polynesia\Rurutu (13-INT-08)	14D26122	01
14D26141	8.9 %	Kevin Konrad	14-OSU-02	0.00	0.00	17.00	French Polynesia\Rurutu (13-INT-08)	14D26122	01
14D26142	10.1 %	Kevin Konrad	14-OSU-02	0.00	0.00	17.00	French Polynesia\Rurutu (13-INT-08)	14D26122	01
14D26144	11.3 %	Kevin Konrad	14-OSU-02	0.00	0.00	17.00	French Polynesia\Rurutu (13-INT-08)	14D26122	01
14D26145	12.5 %	Kevin Konrad	14-OSU-02	0.00	0.00	17.00	French Polynesia\Rurutu (13-INT-08)	14D26122	01
14D26147	13.7 %	Kevin Konrad	14-OSU-02	0.00	0.00	17.00	French Polynesia\Rurutu (13-INT-08)	14D26122	01
14D26148	15.1 %	Kevin Konrad	14-OSU-02	0.00	0.00	17.00	French Polynesia\Rurutu (13-INT-08)	14D26122	01
14D26150	16.5 %	Kevin Konrad	14-OSU-02	0.00	0.00	17.00	French Polynesia\Rurutu (13-INT-08)	14D26122	01
14D26151	18.0 %	Kevin Konrad	14-OSU-02	0.00	0.00	17.00	French Polynesia\Rurutu (13-INT-08)	14D26122	01
14D26153	19.5 %	Kevin Konrad	14-OSU-02	0.00	0.00	17.00	French Polynesia\Rurutu (13-INT-08)	14D26122	01
14D26154	21.0 %	Kevin Konrad	14-OSU-02	0.00	0.00	17.00	French Polynesia\Rurutu (13-INT-08)	14D26122	01
14D26155	22.5 %	Kevin Konrad	14-OSU-02	0.00	0.00	17.00	French Polynesia\Rurutu (13-INT-08)	14D26122	01
14D26157	24.5 %	Kevin Konrad	14-OSU-02	0.00	0.00	17.00	French Polynesia\Rurutu (13-INT-08)	14D26122	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	
14D26123	1.8 %	RR1310-D14-08	Plagioclase	Rurutu Hotspot	FCT-NM (2A12-14)	28.201	0.082	Kuiper et al. (2008)	8.82552	0.095	0.00178090	0.095	304.028	0.134	0.9929784	0.067	1	4.8E-14	29	SEP	2014	21	31	1
14D26125	2.0 %	RR1310-D14-08	Plagioclase	Rurutu Hotspot	FCT-NM (2A12-14)	28.201	0.082	Kuiper et al. (2008)	8.82552	0.095	0.00178090	0.095	304.028	0.134	0.9929784	0.067	1	4.8E-14	29	SEP	2014	21	56	1
14D26126	2.4 %	RR1310-D14-08	Plagioclase	Rurutu Hotspot	FCT-NM (2A12-14)	28.201	0.082	Kuiper et al. (2008)	8.82552	0.095	0.00178090	0.095	304.028	0.134	0.9929784	0.067	1	4.8E-14	29	SEP	2014	22	8	1
14D26127	2.8 %	RR1310-D14-08	Plagioclase	Rurutu Hotspot	FCT-NM (2A12-14)	28.201	0.082	Kuiper et al. (2008)	8.82552	0.095	0.00178090	0.095	304.028	0.134	0.9929784	0.067	1	4.8E-14	29	SEP	2014	22	21	1
14D26129	3.2 %	RR1310-D14-08	Plagioclase	Rurutu Hotspot	FCT-NM (2A12-14)	28.201	0.082	Kuiper et al. (2008)	8.82552	0.095	0.00178090	0.095	304.028	0.134	0.9929784	0.067	1	4.8E-14	29	SEP	2014	22	45	1
14D26130	3.6 %	RR1310-D14-08	Plagioclase	Rurutu Hotspot	FCT-NM (2A12-14)	28.201	0.082	Kuiper et al. (2008)	8.82552	0.095	0.00178090	0.095	304.028	0.134	0.9929784	0.067	1	4.8E-14	29	SEP	2014	22	58	1
14D26132	4.0 %	RR1310-D14-08	Plagioclase	Rurutu Hotspot	FCT-NM (2A12-14)	28.201	0.082	Kuiper et al. (2008)	8.82552	0.095	0.00178090	0.095	304.028	0.134	0.9929784	0.067	1	4.8E-14	29	SEP	2014	23	23	1
14D26133	4.5 %	RR1310-D14-08	Plagioclase	Rurutu Hotspot	FCT-NM (2A12-14)	28.201	0.082	Kuiper et al. (2008)	8.82552	0.095	0.00178090	0.095	304.028	0.134	0.9929784	0.067	1	4.8E-14	29	SEP	2014	23	35	1
14D26135	5.1 %	RR1310-D14-08	Plagioclase	Rurutu Hotspot	FCT-NM (2A12-14)	28.201	0.082	Kuiper et al. (2008)	8.82552	0.095	0.00178090	0.095	304.028	0.134	0.9929784	0.067	1	4.8E-14	30	SEP	2014	0	0	1
14D26136	5.8 %	RR1310-D14-08	Plagioclase	Rurutu Hotspot	FCT-NM (2A12-14)	28.201	0.082	Kuiper et al. (2008)	8.82552	0.095	0.00178090	0.095	304.028	0.134	0.9929784	0.067	1	4.8E-14	30	SEP	2014	0	12	1
14D26138	6.7 %	RR1310-D14-08	Plagioclase	Rurutu Hotspot	FCT-NM (2A12-14)	28.201	0.082	Kuiper et al. (2008)	8.82552	0.095	0.00178090	0.095	304.028	0.134	0.9929784	0.067	1	4.8E-14	30	SEP	2014	0	37	1
14D26139	7.7 %	RR1310-D14-08	Plagioclase	Rurutu Hotspot	FCT-NM (2A12-14)	28.201	0.082	Kuiper et al. (2008)	8.82552	0.095	0.00178090	0.095	304.028	0.134	0.9929784	0.067	1	4.8E-14	30	SEP	2014	0	50	1
14D26141	8.9 %	RR1310-D14-08	Plagioclase	Rurutu Hotspot	FCT-NM (2A12-14)	28.201	0.082	Kuiper et al. (2008)	8.82552	0.095	0.00178090	0.095	304.028	0.134	0.9929784	0.067	1	4.8E-14	30	SEP	2014	1	14	1
14D26142	10.1 %	RR1310-D14-08	Plagioclase	Rurutu Hotspot	FCT-NM (2A12-14)	28.201	0.082	Kuiper et al. (2008)	8.82552	0.095	0.00178090	0.095	304.028	0.134	0.9929784	0.067	1	4.8E-14	30	SEP	2014	1	27	1
14D26144	11.3 %	RR1310-D14-08	Plagioclase	Rurutu Hotspot	FCT-NM (2A12-14)	28.201	0.082	Kuiper et al. (2008)	8.82552	0.095	0.00178090	0.095	304.028	0.134	0.9929784	0.067	1	4.8E-14	30	SEP	2014	1	52	1
14D26145	12.5 %	RR1310-D14-08	Plagioclase	Rurutu Hotspot	FCT-NM (2A12-14)	28.201	0.082	Kuiper et al. (2008)	8.82552	0.095	0.00178090	0.095	304.028	0.134	0.9929784	0.067	1	4.8E-14	30	SEP	2014	2	4	1
14D26147	13.7 %	RR1310-D14-08	Plagioclase	Rurutu Hotspot	FCT-NM (2A12-14)	28.201	0.082	Kuiper et al. (2008)	8.82552	0.095	0.00178090	0.095	304.028	0.134	0.9929784	0.067	1	4.8E-14	30	SEP	2014	2	29	1
14D26148	15.1 %	RR1310-D14-08	Plagioclase	Rurutu Hotspot	FCT-NM (2A12-14)	28.201	0.082	Kuiper et al. (2008)	8.82552	0.095	0.00178090	0.095	304.028	0.134	0.9929784	0.067	1	4.8E-14	30	SEP	2014	2	41	1
14D26150	16.5 %	RR1310-D14-08	Plagioclase	Rurutu Hotspot	FCT-NM (2A12-14)	28.201	0.082	Kuiper et al. (2008)	8.82552	0.095	0.00178090	0.095	304.028	0.134	0.9929784	0.067	1	4.8E-14	30	SEP	2014	3	6	1
14D26151	18.0 %	RR1310-D14-08	Plagioclase	Rurutu Hotspot	FCT-NM (2A12-14)	28.201	0.082	Kuiper et al. (2008)	8.82552	0.095	0.00178090	0.095	304.028	0.134	0.9929784	0.067	1	4.8E-14	30	SEP	2014	3	19	1
14D26153	19.5 %	RR1310-D14-08	Plagioclase	Rurutu Hotspot	FCT-NM (2A12-14)	28.201	0.082	Kuiper et al. (2008)	8.82552	0.095	0.00178090	0.095	304.028	0.134	0.9929784	0.067	1	4.8E-14	30	SEP	2014	3	44	1
14D26154	21.0 %	RR1310-D14-08	Plagioclase	Rurutu Hotspot	FCT-NM (2A12-14)	28.201	0.082	Kuiper et al. (2008)	8.82552	0.095	0.00178090	0.095	304.028	0.134	0.9929784	0.067	1	4.8E-14	30	SEP	2014	3	56	1
14D26155	22.5 %	RR1310-D14-08	Plagioclase	Rurutu Hotspot	FCT-NM (2A12-14)	28.201	0.082	Kuiper et al. (2008)	8.82552	0.095	0.00178090	0.095	304.028	0.134	0.9929784	0.067	1	4.8E-14	30	SEP	2014	4	8	1
14D26157	24.5 %	RR1310-D14-08	Plagioclase	Rurutu Hotspot	FCT-NM (2A12-14)	28.201	0.082	Kuiper et al. (2008)	8.82552	0.095	0.00178090	0.095	304.028	0.134	0.9929784	0.067	1	4.8E-14	30	SEP	2014	4	33	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
14D26123	1.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D26125	2.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D26126	2.4 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D26127	2.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D26129	3.2 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D26130	3.6 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D26132	4.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D26133	4.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D26135	5.1 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D26136	5.8 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D26138	6.7 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D26139	7.7 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D26141	8.9 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D26142	10.1 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D26144	11.3 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D26145	12.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D26147	13.7 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D26148	15.1 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D26150	16.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D26151	18.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D26153	19.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D26154	21.0 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D26155	22.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0
14D26157	24.5 %	295.5	0	0.018	35	0.1869	0	1.493	3	0.000676	1.32	7.18E-05	12.82	0.000266	0.15	0.003823	2.66	0.012031	0.16	0	0	0.43	0	0	0	0	0

14D26122.AGE >>> RR1310-D14-08 >>> FRENCH POLYNESIA | RURUTU (13-INT-08) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
49.82 ± 0.18

TOTAL FUSION
50.16 ± 0.14

NORMAL ISOCHRON
49.53 ± 0.28

INVERSE ISOCHRON
49.74 ± 0.26

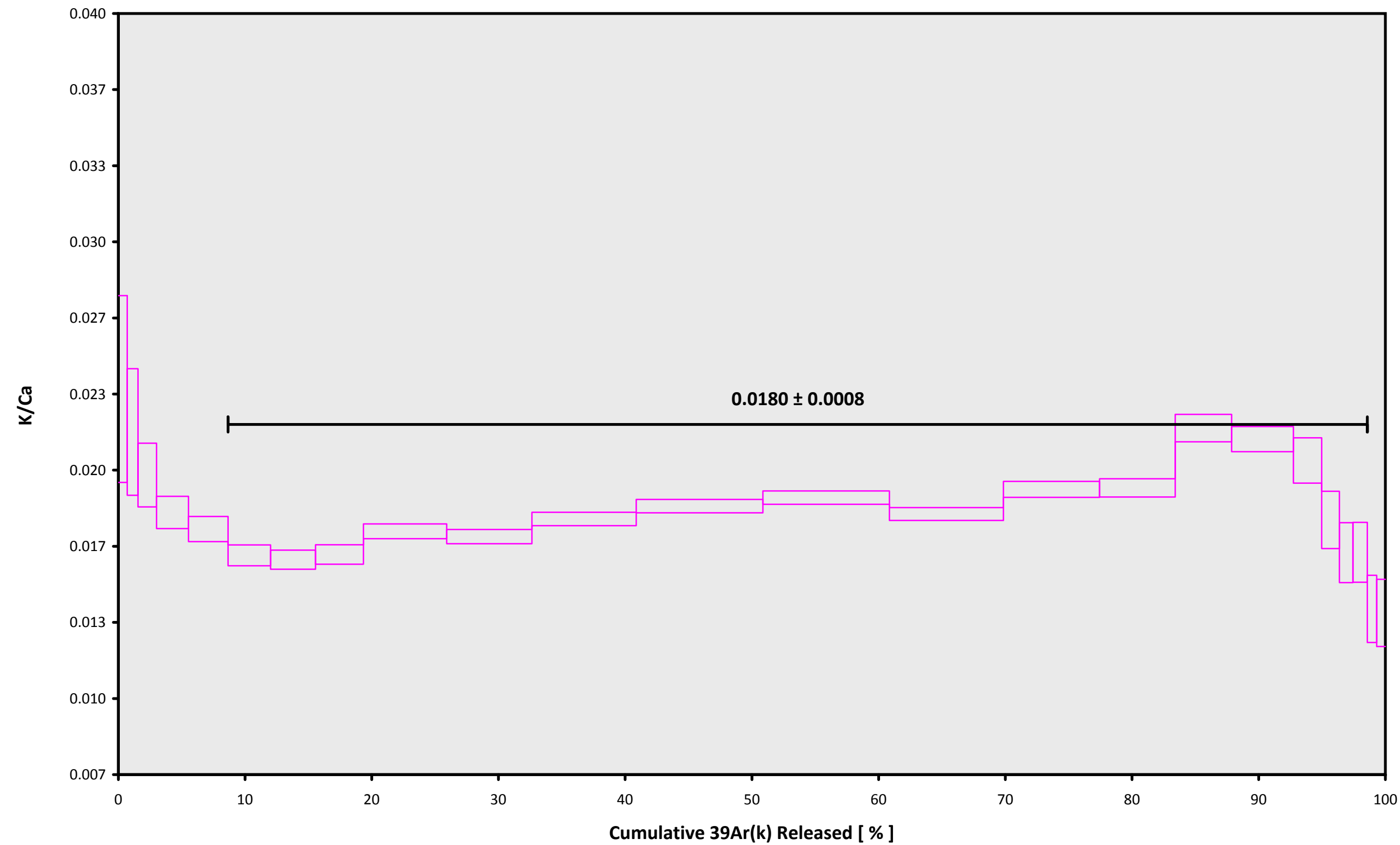
MSWD (PROBABILITY)
1.86 (3%)

Sample Info

Plagioclase
Rurutu Hotspot
Kevin Konrad

IRR = 14-OSU-02 (2A12-14)
J = 0.00178090 ± 0.00000169

14D26122.AGE >>> RR1310-D14-08 >>> FRENCH POLYNESIA | RURUTU (13-INT-08) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

49.82 ± 0.18

TOTAL FUSION

50.16 ± 0.14

NORMAL ISOCHRON

49.53 ± 0.28

INVERSE ISOCHRON

49.74 ± 0.26

Sample Info

Plagioclase

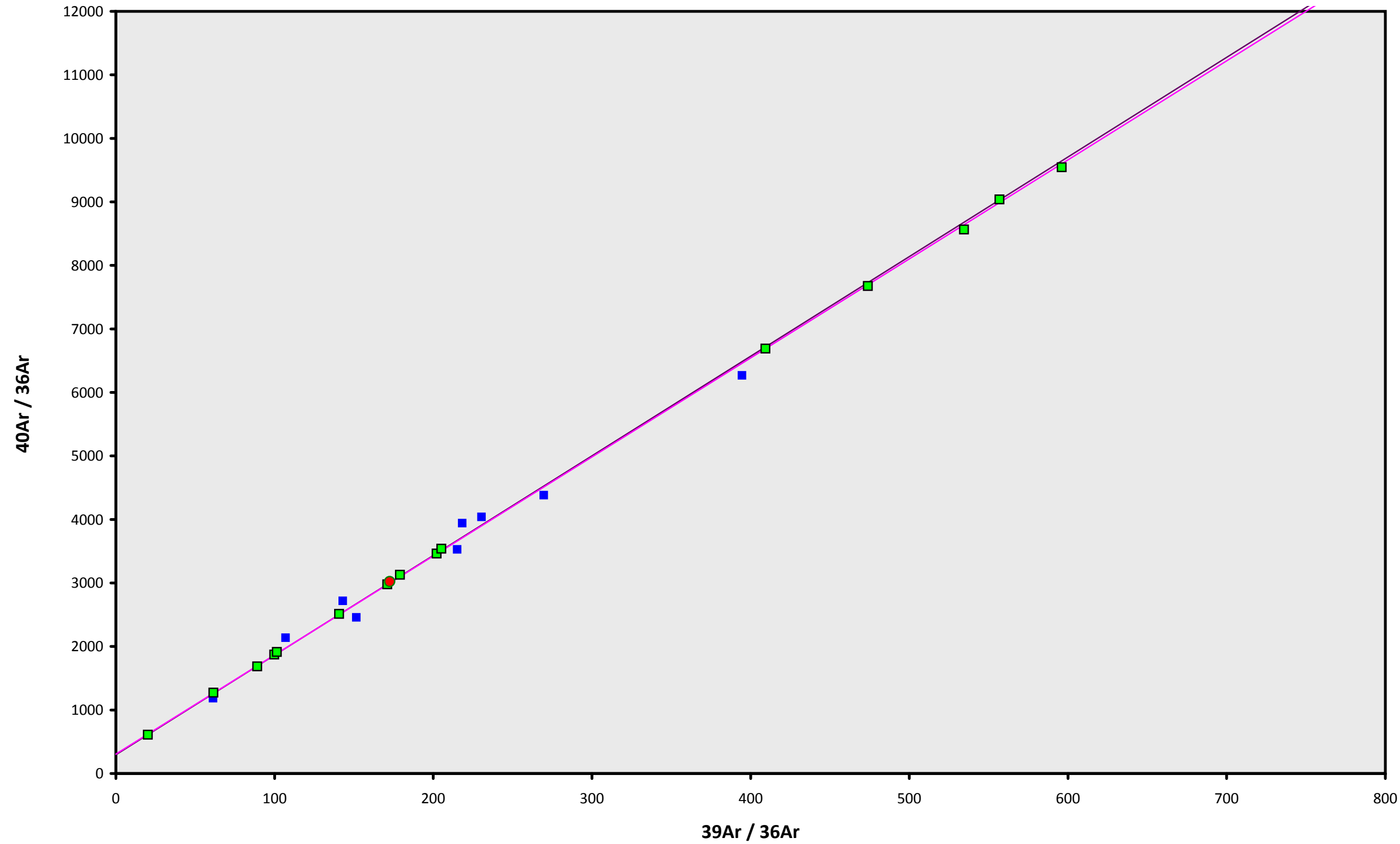
Rurutu Hotspot

Kevin Konrad

IRR = 14-OSU-02 (2A12-14)

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14D26122.AGE >>> RR1310-D14-08 >>> FRENCH POLYNESIA | RURUTU (13-INT-08) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

49.82 ± 0.18

TOTAL FUSION

50.16 ± 0.14

NORMAL ISOCHRON

49.53 ± 0.28

INVERSE ISOCHRON

49.74 ± 0.26

MSWD (PROBABILITY)

2.27 (1%)

40AR/36AR INTERCEPT

307.7 ± 12.2

Sample Info

Plagioclase

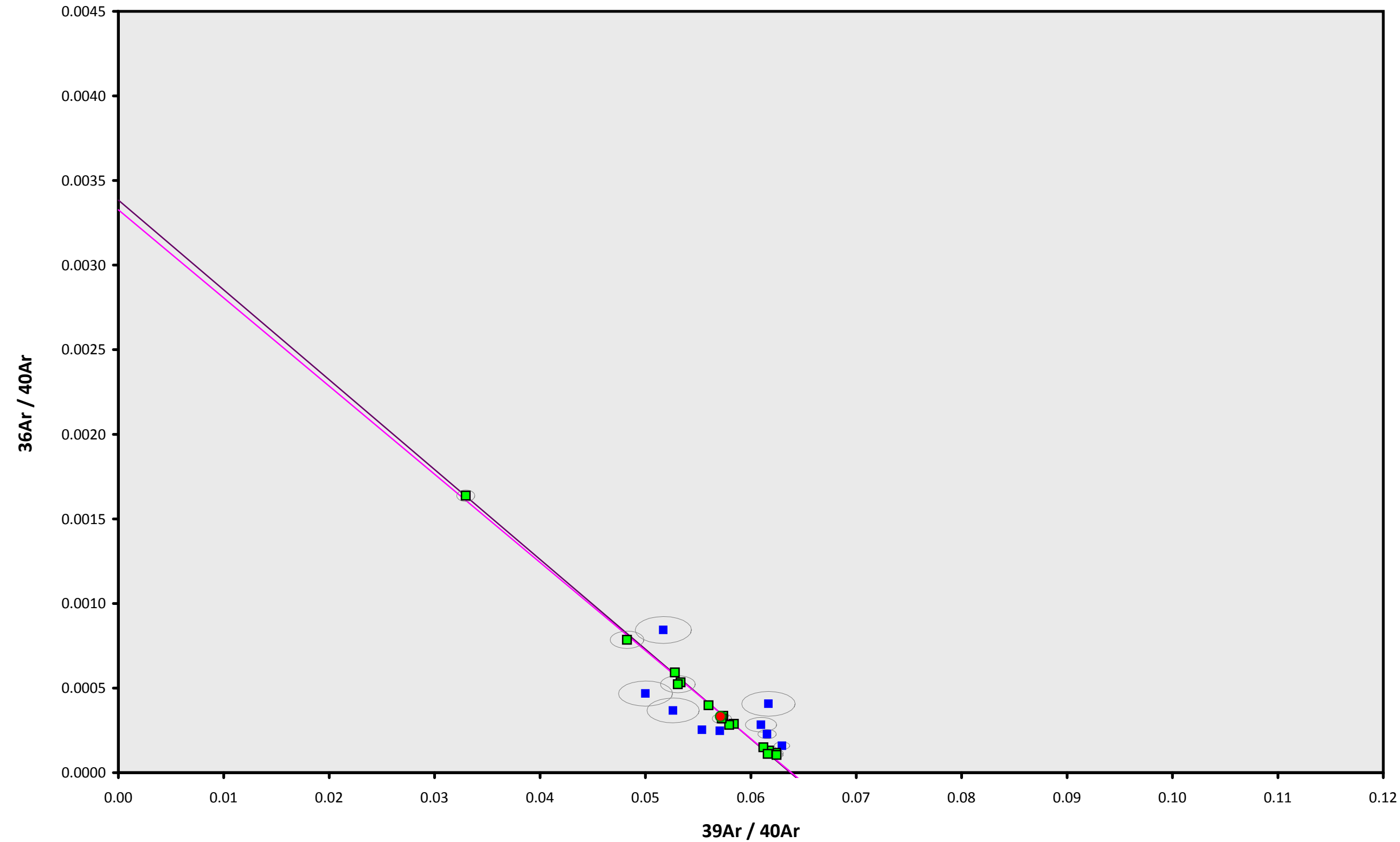
Rurutu Hotspot

Kevin Konrad

IRR = 14-OSU-02 (2A12-14)

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14D26122.AGE >>> RR1310-D14-08 >>> FRENCH POLYNESIA | RURUTU (13-INT-08) PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
 49.82 ± 0.18

TOTAL FUSION
 50.16 ± 0.14

NORMAL ISOCHRON
 49.53 ± 0.28

INVERSE ISOCHRON
 49.74 ± 0.26

MSWD (PROBABILITY)
1.87 (3%)

SPREADING FACTOR
46.2%

40AR/36AR INTERCEPT
 300.6 ± 11.1

Sample Info

Plagioclase
Rurutu Hotspot
Kevin Konrad

IRR = 14-OSU-02 (2A12-14)
 $J = 0.00178090 \pm 0.00000169$