

Incremental Heating		36Ar(a)	37Ar(ca)	38Ar(cl)	39Ar(k)	40Ar(r)	Age ± 2σ (Ma)	40Ar(r) (%)	39Ar(k) (%)	K/Ca ± 2σ
06C3120	0.38 W ✓	0.000138	0.032827	0.000015	0.205381	0.112406	1.93 ± 0.13	73.18	9.05	2.69 ± 0.11
06C3121	0.85 W ✓	0.000148	0.127908	0.000025	0.827449	0.449025	1.91 ± 0.03	90.89	36.45	2.78 ± 0.12
06C3123	1.06 W ✓	0.000070	0.061303	0.000000	0.397001	0.211106	1.88 ± 0.07	90.82	17.49	2.78 ± 0.12
06C3124	1.41 W ✓	0.000041	0.038034	0.000000	0.238838	0.127894	1.89 ± 0.12	91.02	10.52	2.70 ± 0.11
06C3126	1.71 W ✓	0.000039	0.029335	0.000000	0.182411	0.095215	1.84 ± 0.15	89.07	8.04	2.67 ± 0.11
06C3127	2.27 W ✓	0.000042	0.024106	0.000000	0.157245	0.079025	1.77 ± 0.18	86.12	6.93	2.80 ± 0.12
06C3129	2.89 W ✓	0.000026	0.016103	0.000000	0.106958	0.054612	1.80 ± 0.24	87.50	4.71	2.86 ± 0.13
06C3130	3.77 W ✓	0.000010	0.013618	0.000009	0.087406	0.049361	1.99 ± 0.35	94.13	3.85	2.76 ± 0.12
06C3132	5.42 W ✓	0.000011	0.010776	0.000009	0.067286	0.036784	1.93 ± 0.43	91.48	2.96	2.69 ± 0.12
Σ		0.000525	0.354009	0.000057	2.269974	1.215429				

Information on Analysis	Results	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (% , n)	K/Ca ± 2σ
Sample = TAM-1 2F10-06 Material = K-Feldspar 210-300μm Location = Tama'i, Samoa Analyst = Jamie Russell Project = SAMOA Mass Discrimination Law = LIN Irradiation = OSU2F06 J = 0.00195230 ± 0.00000547 FCT-3 = 28.030 ± 0.003 Ma	Age Plateau	0.5391 ± 0.0077 ± 1.43%	1.90 ± 0.03 ± 1.53%	0.62 76%	100.00 9	2.75 ± 0.04
		Minimal External Error ± 0.04		1.50	2σ Confidence Limit	
		Analytical Error ± 0.03		1.0000	Error Magnification	
	Total Fusion Age	0.5354 ± 0.0105 ± 1.96%	1.89 ± 0.04 ± 2.04%		9	2.76 ± 0.11
		Minimal External Error ± 0.05				
		Analytical Error ± 0.04				

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
06C3120	0.38 W ✓		1485.1 ± 276.9	1108.3 ± 206.6	0.9997
06C3121	0.85 W ✓		5602.8 ± 949.6	3335.9 ± 565.3	0.9996
06C3123	1.06 W ✓		5671.1 ± 2231.8	3311.1 ± 1303.0	0.9999
06C3124	1.41 W ✓		5773.1 ± 3727.4	3386.9 ± 2186.7	0.9999
06C3126	1.71 W ✓		4736.4 ± 3199.8	2767.8 ± 1869.9	1.0000
06C3127	2.27 W ✓		3724.1 ± 2442.5	2167.1 ± 1421.3	1.0000
06C3129	2.89 W ✓		4144.4 ± 3991.4	2411.6 ± 2322.6	1.0000
06C3130	3.77 W ✓		8798.0 ± 25634.2	5264.1 ± 15337.6	1.0000
06C3132	5.42 W ✓		5995.0 ± 14837.0	3572.9 ± 8842.5	1.0000

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron No Convergence	169.9656 ± 150.9201 ± 88.79%	0.5596 ± 0.0319 ± 5.70%	1.97 ± 0.11 ± 5.72%	5.25
			Minimal External Error ± 0.12 Analytical Error ± 0.11	
Statistics	2σ Confidence Limit Error Magnification Number of Data Points	2.07 2.2905 9	Convergence Number of Iterations Calculated Line	0.0004140212 100 Weighted York-2

Inverse Isochron			39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
06C3120	0.38 W ✓		1.339977 ± 0.006304	0.000902 ± 0.000168	0.0033
06C3121	0.85 W ✓		1.679531 ± 0.007732	0.000300 ± 0.000051	0.0068
06C3123	1.06 W ✓		1.712744 ± 0.007553	0.000302 ± 0.000119	0.0028
06C3124	1.41 W ✓		1.704528 ± 0.012313	0.000295 ± 0.000191	0.0016
06C3126	1.71 W ✓		1.711251 ± 0.008499	0.000361 ± 0.000244	0.0032
06C3127	2.27 W ✓		1.718487 ± 0.010000	0.000461 ± 0.000303	0.0033
06C3129	2.89 W ✓		1.718535 ± 0.013664	0.000415 ± 0.000399	0.0052
06C3130	3.77 W ✓		1.671332 ± 0.012349	0.000190 ± 0.000553	0.0013
06C3132	5.42 W ✓		1.677921 ± 0.013707	0.000280 ± 0.000693	0.0024

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	323.9969 ± 86.6115 ± 26.73%	0.5334 ± 0.0187 ± 3.50%	1.88 ± 0.07 ± 3.55%	0.63 73%
		Minimal External Error ± 0.07 Analytical Error ± 0.07		
Statistics	2σ Confidence Limit Error Magnification Number of Data Points Spreading Factor	2.07 1.0000 9 20.2%	Convergence Number of Iterations Calculated Line	0.0004024964 3 Weighted York-2

Relative Abundances		36Ar	%1σ	37Ar	%1σ	38Ar	%1σ	39Ar	%1σ	40Ar	%1σ	Age ± 2σ (Ma)	40Ar(r) (%)	39Ar(k) (%)	K/Ca ± 2σ
06C3120	0.38 W ✓	0.0001471	8.760	0.0328266	0.666	0.0025292	0.626	0.2054041	0.220	0.1536108	0.064	1.93 ± 0.13	73.18	9.05	2.69 ± 0.11
06C3121	0.85 W ✓	0.0001821	6.870	0.1279084	0.563	0.0100768	0.520	0.8275397	0.199	0.4940319	0.092	1.91 ± 0.03	90.89	36.45	2.78 ± 0.12
06C3123	1.06 W ✓	0.0000865	15.924	0.0613025	0.673	0.0047553	0.624	0.3970447	0.191	0.2324476	0.084	1.88 ± 0.07	90.82	17.49	2.78 ± 0.12
06C3124	1.41 W ✓	0.0000516	25.880	0.0380336	0.597	0.0028685	0.706	0.2388648	0.335	0.1405137	0.116	1.89 ± 0.12	91.02	10.52	2.70 ± 0.11
06C3126	1.71 W ✓	0.0000464	28.034	0.0293350	0.687	0.0021912	0.744	0.1824315	0.187	0.1068959	0.147	1.84 ± 0.15	89.07	8.04	2.67 ± 0.11
06C3127	2.27 W ✓	0.0000487	28.426	0.0241057	0.779	0.0018814	0.905	0.1572616	0.231	0.0917612	0.161	1.77 ± 0.18	86.12	6.93	2.80 ± 0.12
06C3129	2.89 W ✓	0.0000301	41.232	0.0161029	0.894	0.0012807	1.319	0.1069694	0.240	0.0624144	0.308	1.80 ± 0.24	87.50	4.71	2.86 ± 0.13
06C3130	3.77 W ✓	0.0000136	106.423	0.0136182	0.966	0.0010697	1.406	0.0874153	0.260	0.0524412	0.253	1.99 ± 0.35	94.13	3.85	2.76 ± 0.12
06C3132	5.42 W ✓	0.0000141	98.335	0.0107758	1.042	0.0008259	1.666	0.0672941	0.218	0.0402121	0.338	1.93 ± 0.43	91.48	2.96	2.69 ± 0.12
Σ		0.0006203	6.465	0.3540087	0.270	0.0274788	0.271	2.2702251	0.094	1.3743288	0.046				

Information on Analysis and Constants Used in Calculations
<p>Sample = TAM-1 2F10-06 Material = K-Feldspar 210-300µm Location = Tama'i, Samoa Analyst = Jamie Russell Project = SAMOA Mass Discrimination Law = LIN Irradiation = OSU2F06 J = 0.00195230 ± 0.00000547 FCT-3 = 28.030 ± 0.003 Ma IGSN = KOP000047 Preferred Age = Plateau Age Classification = Eruption Age Experiment Type = Incremental Heating Extraction Method = Bulk Laser Heating Heating = 600 sec Isolation = 15.00 min Instrument = MAP215-50 Lithology = Trachybasalt Lat-Lon = 13°45.3'S - 170°32.1'E</p>
<p>Age Equations = Conventional Negative Intensities = Allowed Decay Constant 40K = 5.530 ± 0.048 E-10 1/a Decay Constant 39Ar = 2.940 ± 0.016 E-07 1/h Decay Constant 37Ar = 8.230 ± 0.012 E-04 1/h Decay Constant 36Cl = 2.236 ± 0.045 E-06 1/a Production Ratio 36/38 in Cl = 316.0 ± 15.8</p>

Results	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (%n)	K/Ca ± 2σ
Age Plateau	0.5391 ± 0.0077 ± 1.43%	1.90 ± 0.03 ± 1.53%	0.62 76%	100.00 9	2.75 ± 0.04
	Minimal External Error ± 0.04 Analytical Error ± 0.03		1.50 1.0000	2σ Confidence Limit Error Magnification	
Total Fusion Age	0.5354 ± 0.0105 ± 1.96%	1.89 ± 0.04 ± 2.04%		9	2.76 ± 0.11
	Minimal External Error ± 0.05 Analytical Error ± 0.04				
Normal Isochron No Convergence	0.5596 ± 0.0319 ± 5.70%	1.97 ± 0.11 ± 5.72%	5.25 0%	100.00 9	
	Minimal External Error ± 0.12 Analytical Error ± 0.11		2.07 2.2905	2σ Confidence Limit Error Magnification	
Inverse Isochron	0.5334 ± 0.0187 ± 3.50%	1.88 ± 0.07 ± 3.55%	0.63 73%	100.00 9	
	Minimal External Error ± 0.07 Analytical Error ± 0.07		2.07 1.0000	2σ Confidence Limit Error Magnification	

Degassing Patterns		36Ar(a)	%1σ	36Ar(c)	%1σ	36Ar(ca)	%1σ	36Ar(cl)	%1σ	37Ar(ca)	%1σ	38Ar(a)	%1σ	38Ar(c)	%1σ	38Ar(k)	%1σ	38Ar(ca)	%1σ	38Ar(cl)	%1σ	39Ar(k)	%1σ	39Ar(ca)	%1σ	40Ar(r)	%1σ	40Ar(a)	%1σ	40Ar(c)	%1σ	40Ar(k)	%1σ
06C3120	0.38 W ✓	0.000138	9.32	0.000000	0.00	0.000009	0.76	0.000000	112.77	0.032827	0.67	0.000026	9.32	0.000000	0.00	0.002487	0.24	0.000001	21.91	0.000015	112.90	0.205381	0.22	0.000023	1.95	0.112406	3.39	0.040866	9.32	0.000000	0.00	0.000339	24.90
06C3121	0.85 W ✓	0.000148	8.47	0.000000	0.00	0.000034	0.67	0.000000	231.22	0.127908	0.56	0.000028	8.47	0.000000	0.00	0.010020	0.22	0.000004	21.91	0.000025	231.29	0.827449	0.20	0.000091	1.91	0.449025	0.83	0.043641	8.47	0.000000	0.00	0.001365	24.90
06C3123	1.06 W ✓	0.000070	19.68	0.000000	0.00	0.000016	0.77	0.000000	0.00	0.061303	0.67	0.000013	19.68	0.000000	0.00	0.004808	0.22	0.000002	21.91	0.000000	0.00	0.397001	0.19	0.000043	1.95	0.211106	1.93	0.020686	19.68	0.000000	0.00	0.000655	24.90
06C3124	1.41 W ✓	0.000041	32.28	0.000000	0.00	0.000010	0.70	0.000000	0.00	0.038034	0.60	0.000008	32.28	0.000000	0.00	0.002892	0.35	0.000001	21.91	0.000000	0.00	0.238838	0.33	0.000027	1.92	0.127894	3.09	0.012225	32.28	0.000000	0.00	0.000394	24.90
06C3126	1.71 W ✓	0.000039	33.78	0.000000	0.00	0.000008	0.78	0.000000	0.00	0.029335	0.69	0.000007	33.78	0.000000	0.00	0.002209	0.21	0.000001	21.91	0.000000	0.00	0.182411	0.19	0.000021	1.95	0.095215	4.04	0.011380	33.78	0.000000	0.00	0.000301	24.90
06C3127	2.27 W ✓	0.000042	32.79	0.000000	0.00	0.000006	0.86	0.000000	0.00	0.024106	0.78	0.000008	32.79	0.000000	0.00	0.001904	0.25	0.000001	21.91	0.000000	0.00	0.157245	0.23	0.000017	1.99	0.079025	5.18	0.012477	32.79	0.000000	0.00	0.000259	24.90
06C3129	2.89 W ✓	0.000026	48.15	0.000000	0.00	0.000004	0.97	0.000000	0.00	0.016103	0.89	0.000005	48.15	0.000000	0.00	0.001295	0.26	0.000001	21.92	0.000000	0.00	0.106958	0.24	0.000011	2.04	0.054612	6.73	0.007626	48.15	0.000000	0.00	0.000176	24.90
06C3130	3.77 W ✓	0.000010	145.68	0.000000	0.00	0.000004	1.03	0.000000	175.14	0.013618	0.97	0.000002	145.68	0.000000	0.00	0.001058	0.28	0.000000	21.92	0.000009	175.23	0.087406	0.26	0.000010	2.07	0.049361	8.67	0.002936	145.68	0.000000	0.00	0.000144	24.90
06C3132	5.42 W ✓	0.000011	123.74	0.000000	0.00	0.000003	1.11	0.000000	164.57	0.010776	1.04	0.000002	123.74	0.000000	0.00	0.000815	0.24	0.000000	21.92	0.000009	164.66	0.067286	0.22	0.000008	2.11	0.036784	11.16	0.003317	123.74	0.000000	0.00	0.000111	24.90
Σ		0.000525	7.64	0.000000	0.00	0.000095	0.32	0.000000	110.14	0.354009	0.27	0.000098	7.64	0.000000	0.00	0.027489	0.10	0.000011	9.72	0.000057	110.23	2.269974	0.09	0.000251	0.86	1.215429	0.98	0.155154	7.64	0.000000	0.00	0.003745	11.10
Σ								0.000620	6.47	0.354009	0.27									0.027656	0.25			2.270225	0.09							1.374329	1.22

Additional Parameters		40(r)/39(k)	1σ	40(r+a)	1σ	40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
06C3120	0.38 W ✓	0.547307	0.01859	0.153272	0.00013	0.747847	0.00171	0.159815	0.00112	0.000716	0.00006	88.657	5.77784678	1.00062679	1.555E-20
06C3121	0.85 W ✓	0.542662	0.00465	0.492667	0.00057	0.596989	0.00131	0.154565	0.00092	0.000220	0.00002	88.678	5.78022485	1.00062694	5.000E-20
06C3123	1.06 W ✓	0.531752	0.01032	0.231793	0.00025	0.585444	0.00122	0.154397	0.00108	0.000218	0.00003	88.720	5.78506329	1.00062723	2.352E-20
06C3124	1.41 W ✓	0.535487	0.01664	0.140120	0.00019	0.588256	0.00208	0.159226	0.00109	0.000216	0.00006	88.741	5.78744433	1.00062738	1.422E-20
06C3126	1.71 W ✓	0.521979	0.02112	0.106595	0.00017	0.585951	0.00139	0.160800	0.00114	0.000254	0.00007	88.783	5.79228881	1.00062768	1.082E-20
06C3127	2.27 W ✓	0.502559	0.02607	0.091502	0.00016	0.583494	0.00165	0.153284	0.00125	0.000310	0.00009	88.805	5.79475231	1.00062783	9.286E-21
06C3129	2.89 W ✓	0.510590	0.03441	0.062238	0.00020	0.583479	0.00228	0.150538	0.00139	0.000282	0.00012	88.847	5.79952335	1.00062813	6.316E-21
06C3130	3.77 W ✓	0.564738	0.04898	0.052297	0.00014	0.599909	0.00217	0.155787	0.00156	0.000156	0.00017	88.869	5.80206952	1.00062828	5.307E-21
06C3132	5.42 W ✓	0.546684	0.06104	0.040101	0.00014	0.597558	0.00240	0.160131	0.00170	0.000210	0.00021	88.910	5.80684659	1.00062858	4.069E-21

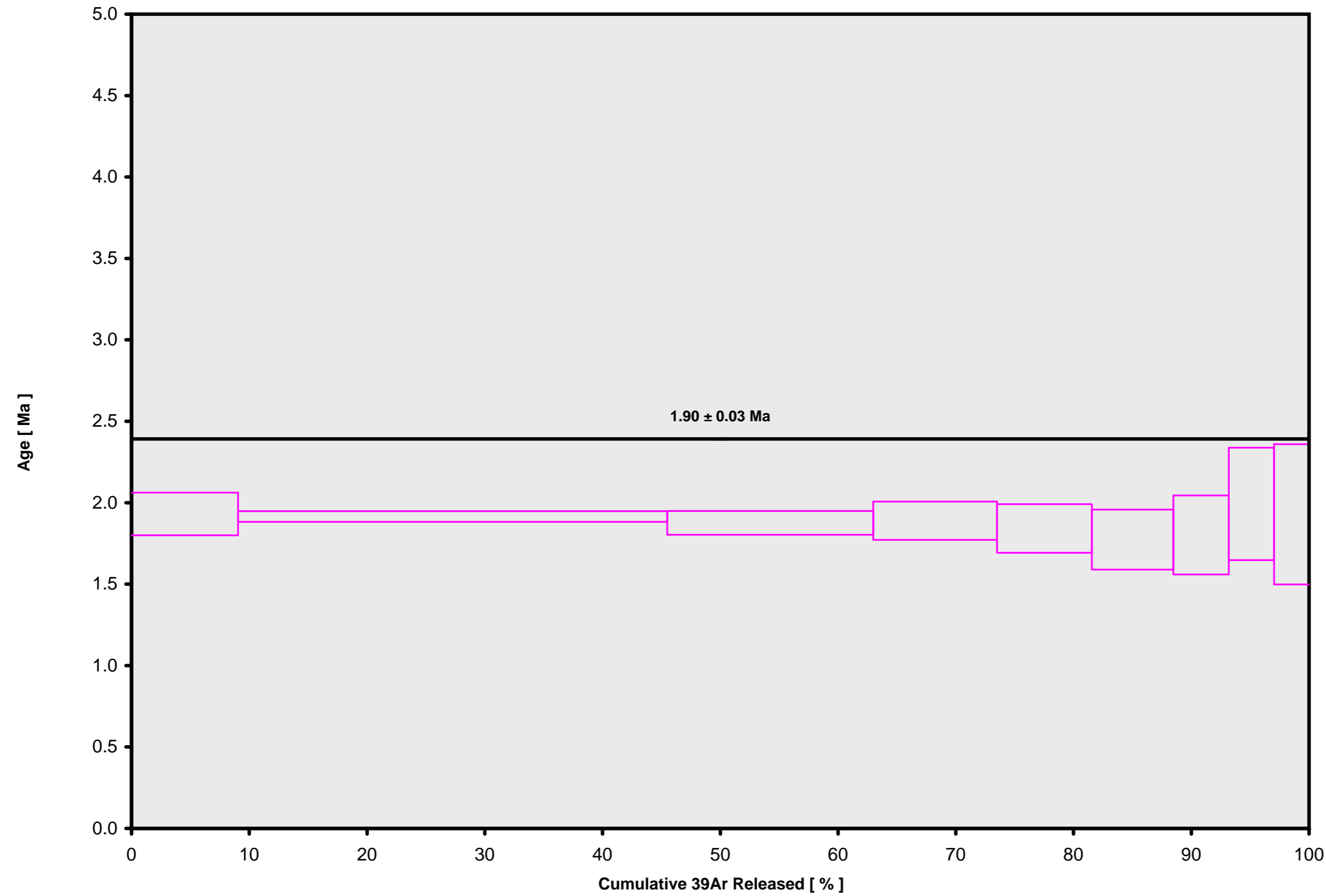
Procedure Blanks		36Ar	1σ	37Ar	1σ	38Ar	1σ	39Ar	1σ	40Ar	1σ
06C3120	0.38 W	0.000012	0.000010	0.000019	0.000008	0.000011	0.000006	0.000003	0.000010	0.002728	0.000022
06C3121	0.85 W	0.000033	0.000011	0.000049	0.000008	0.000013	0.000008	0.000071	0.000023	0.003066	0.000112
06C3123	1.06 W	0.000017	0.000011	0.000027	0.000008	0.000012	0.000008	0.000048	0.000023	0.002884	0.000112
06C3124	1.41 W	0.000012	0.000011	0.000019	0.000008	0.000011	0.000008	0.000039	0.000023	0.002822	0.000112
06C3126	1.71 W	0.000005	0.000011	0.000008	0.000008	0.000008	0.000008	0.000026	0.000023	0.002751	0.000112
06C3127	2.27 W	0.000005	0.000011	0.000006	0.000008	0.000007	0.000008	0.000021	0.000023	0.002744	0.000112
06C3129	2.89 W	0.000008	0.000011	0.000008	0.000008	0.000004	0.000008	0.000017	0.000023	0.002784	0.000112
06C3130	3.77 W	0.000012	0.000011	0.000012	0.000008	0.000002	0.000008	0.000017	0.000023	0.002835	0.000112
06C3132	5.42 W	0.000025	0.000011	0.000026	0.000008	0.000002	0.000008	0.000021	0.000023	0.002986	0.000112

Intercept Values	36Ar			37Ar			38Ar			39Ar			40Ar								
	1σ	r2		1σ	r2		1σ	r2		1σ	r2	1σ	r2								
06C3120	0.38 W	0.000158	0.000008	0.2836	LIN #	0.005668	0.000021	0.9418	EXP #	0.002517	0.000012	0.9384	LIN #	0.202609	0.000305	0.9938	LIN # 1 2 12	0.153725	0.000094	0.5410	LIN # 9
06C3121	0.85 W	0.000214	0.000007	0.8298	LIN #	0.022047	0.000036	0.9895	EXP #	0.009993	0.000040	0.9594	LIN # 1	0.816094	0.000970	0.9948	LIN #	0.488644	0.000435	0.9881	EXP # 8
06C3123	1.06 W	0.000103	0.000009	0.4854	LIN #	0.010562	0.000042	0.9343	EXP #	0.004722	0.000024	0.8832	LIN #	0.391605	0.000411	0.9958	EXP #	0.231352	0.000158	0.9713	EXP # 4 11
06C3124	1.41 W	0.000063	0.000008	0.2997	LIN #	0.006552	0.000015	0.9809	EXP #	0.002852	0.000016	0.8525	LIN #	0.235579	0.000692	0.9668	LIN #	0.140898	0.000117	0.6916	LIN #
06C3126	1.71 W	0.000052	0.000008	0.4133	LIN #	0.005042	0.000020	0.9437	EXP #	0.002178	0.000012	0.9178	LIN #	0.179865	0.000172	0.9975	EXP #	0.107751	0.000109	0.7043	LIN # 1
06C3127	2.27 W	0.000053	0.000009	0.1923	LIN #	0.004140	0.000022	0.8806	EXP #	0.001870	0.000014	0.8370	LIN #	0.155048	0.000258	0.9918	EXP #	0.092871	0.000095	0.9678	EXP #
06C3129	2.89 W	0.000038	0.000007	0.3539	LIN #	0.002767	0.000018	0.6413	EXP #	0.001272	0.000014	0.6093	LIN #	0.105456	0.000188	0.9885	LIN #	0.064065	0.000154	0.9691	LIN # 9
06C3130	3.77 W	0.000026	0.000010	0.3389	LIN # 1	0.002344	0.000017	0.8108	EXP #	0.001061	0.000012	0.7745	LIN # 1	0.086173	0.000175	0.9842	LIN #	0.054310	0.000070	0.9943	LIN #
06C3132	5.42 W	0.000039	0.000009	0.0289	LIN #	0.001869	0.000014	0.5037	EXP #	0.000820	0.000011	0.6569	LIN #	0.066346	0.000095	0.9905	EXP #	0.042442	0.000076	0.9946	EXP #

Sample Parameters	Sample	Material	Location	Analyst	Temp	Standard (in Ma)	%1σ	J	%1σ	MDF	%1σ	Volume Ratio	Sensitivity (mol/volt)	Day	Month	Year	Hour	Min	Resist	Irradiation	Project	Experiment	Nmb	Standard Name	
06C3120	0.38 W	TAM-1 2F10-06	K-Feldspar 210-300μm	Tama'i, Samoa	Jamie Russell	0.38	28.03	0.01	0.0019523	0.28	1.00378	0.16	1.017	1.012E-19	03	SEP	2006	06	49	001	OSU2F06	Samoa	06C3120	01	FCT-3
06C3121	0.85 W	TAM-1 2F10-06	K-Feldspar 210-300μm	Tama'i, Samoa	Jamie Russell	0.85	28.03	0.01	0.0019523	0.28	1.00378	0.16	1.0173	1.012E-19	03	SEP	2006	07	19	001	OSU2F06	Samoa	06C3120	01	FCT-3
06C3123	1.06 W	TAM-1 2F10-06	K-Feldspar 210-300μm	Tama'i, Samoa	Jamie Russell	1.06	28.03	0.01	0.0019523	0.28	1.00378	0.16	1.0172	1.012E-19	03	SEP	2006	08	20	001	OSU2F06	Samoa	06C3120	01	FCT-3
06C3124	1.41 W	TAM-1 2F10-06	K-Feldspar 210-300μm	Tama'i, Samoa	Jamie Russell	1.41	28.03	0.01	0.0019523	0.28	1.00378	0.16	1.0173	1.012E-19	03	SEP	2006	08	50	001	OSU2F06	Samoa	06C3120	01	FCT-3
06C3126	1.71 W	TAM-1 2F10-06	K-Feldspar 210-300μm	Tama'i, Samoa	Jamie Russell	1.71	28.03	0.01	0.0019523	0.28	1.00378	0.16	1.0176	1.012E-19	03	SEP	2006	09	51	001	OSU2F06	Samoa	06C3120	01	FCT-3
06C3127	2.27 W	TAM-1 2F10-06	K-Feldspar 210-300μm	Tama'i, Samoa	Jamie Russell	2.27	28.03	0.01	0.0019523	0.28	1.00378	0.16	1.0176	1.012E-19	03	SEP	2006	10	22	001	OSU2F06	Samoa	06C3120	01	FCT-3
06C3129	2.89 W	TAM-1 2F10-06	K-Feldspar 210-300μm	Tama'i, Samoa	Jamie Russell	2.89	28.03	0.01	0.0019523	0.28	1.00378	0.16	1.0177	1.012E-19	03	SEP	2006	11	22	001	OSU2F06	Samoa	06C3120	01	FCT-3
06C3130	3.77 W	TAM-1 2F10-06	K-Feldspar 210-300μm	Tama'i, Samoa	Jamie Russell	3.77	28.03	0.01	0.0019523	0.28	1.00378	0.16	1.0178	1.012E-19	03	SEP	2006	11	54	001	OSU2F06	Samoa	06C3120	01	FCT-3
06C3132	5.42 W	TAM-1 2F10-06	K-Feldspar 210-300μm	Tama'i, Samoa	Jamie Russell	5.42	28.03	0.01	0.0019523	0.28	1.00378	0.16	1.0178	1.012E-19	03	SEP	2006	12	54	001	OSU2F06	Samoa	06C3120	01	FCT-3

Irradiation Constants	40/36(a)		40/36(c)		38/36(a)		38/36(c)		39/37(ca)		38/37(ca)		36/37(ca)		40/39(k)		38/39(k)		36/38(cl)		K/Ca		K/Cl		Ca/Cl		
	W	%1σ	W	%1σ	W	%1σ	W	%1σ	W	%1σ	W	%1σ	W	%1σ	W	%1σ	W	%1σ	W	%1σ	W	%1σ	W	%1σ	W	%1σ	
06C3120	0.38	295.5	0	0.018	35	0.1869	0	1.493	3	0.000709	1.83	0.000032	21.9	0.000269	0.37	0.00165	24.9	0.01211	0.1	0	0	0.43	2	0	0	0	0
06C3121	0.85	295.5	0	0.018	35	0.1869	0	1.493	3	0.000709	1.83	0.000032	21.9	0.000269	0.37	0.00165	24.9	0.01211	0.1	0	0	0.43	2	0	0	0	0
06C3123	1.06	295.5	0	0.018	35	0.1869	0	1.493	3	0.000709	1.83	0.000032	21.9	0.000269	0.37	0.00165	24.9	0.01211	0.1	0	0	0.43	2	0	0	0	0
06C3124	1.41	295.5	0	0.018	35	0.1869	0	1.493	3	0.000709	1.83	0.000032	21.9	0.000269	0.37	0.00165	24.9	0.01211	0.1	0	0	0.43	2	0	0	0	0
06C3126	1.71	295.5	0	0.018	35	0.1869	0	1.493	3	0.000709	1.83	0.000032	21.9	0.000269	0.37	0.00165	24.9	0.01211	0.1	0	0	0.43	2	0	0	0	0
06C3127	2.27	295.5	0	0.018	35	0.1869	0	1.493	3	0.000709	1.83	0.000032	21.9	0.000269	0.37	0.00165	24.9	0.01211	0.1	0	0	0.43	2	0	0	0	0
06C3129	2.89	295.5	0	0.018	35	0.1869	0	1.493	3	0.000709	1.83	0.000032	21.9	0.000269	0.37	0.00165	24.9	0.01211	0.1	0	0	0.43	2	0	0	0	0
06C3130	3.77	295.5	0	0.018	35	0.1869	0	1.493	3	0.000709	1.83	0.000032	21.9	0.000269	0.37	0.00165	24.9	0.01211	0.1	0	0	0.43	2	0	0	0	0
06C3132	5.42	295.5	0	0.018	35	0.1869	0	1.493	3	0.000709	1.83	0.000032	21.9	0.000269	0.37	0.00165	24.9	0.01211	0.1	0	0	0.43	2	0	0	0	0

06C3120.AGE >>> TAM-1 2F10-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

1.90 ± 0.03

TOTAL FUSION

1.89 ± 0.04

NORMAL ISOCHRON

1.97 ± 0.11

INVERSE ISOCHRON

1.88 ± 0.07

MSWD (PROBABILITY)

0.62 (76%)

Sample Info

K-Feldspar 210-300µm

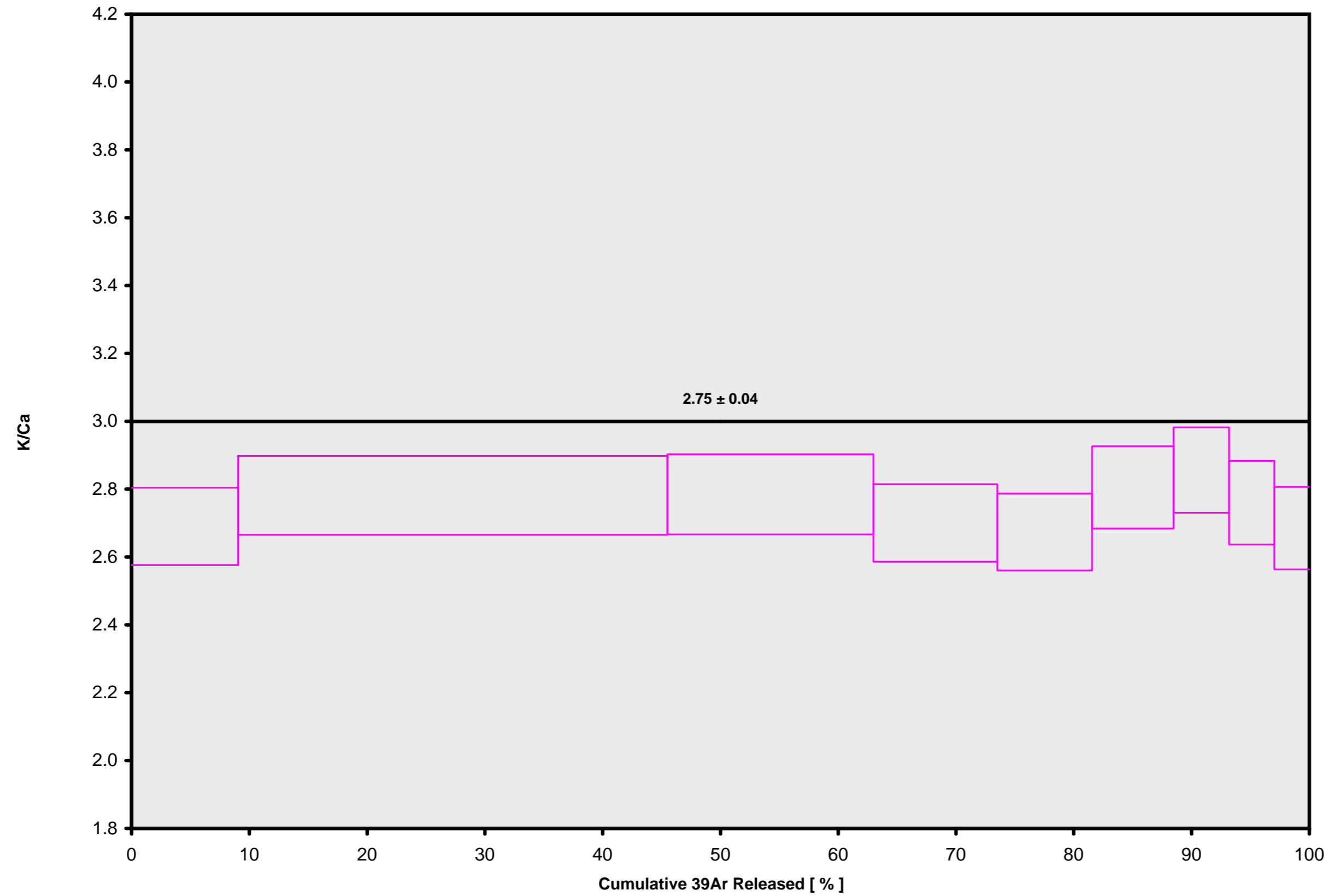
Tama'i, Samoa

Jamie Russell

IRR = OSU2F06

J = 0.00195230 ± 0.00000547

06C3120.AGE >>> TAM-1 2F10-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

1.90 ± 0.03

TOTAL FUSION

1.89 ± 0.04

NORMAL ISOCHRON

1.97 ± 0.11

INVERSE ISOCHRON

1.88 ± 0.07

Sample Info

K-Feldspar 210-300 μ m

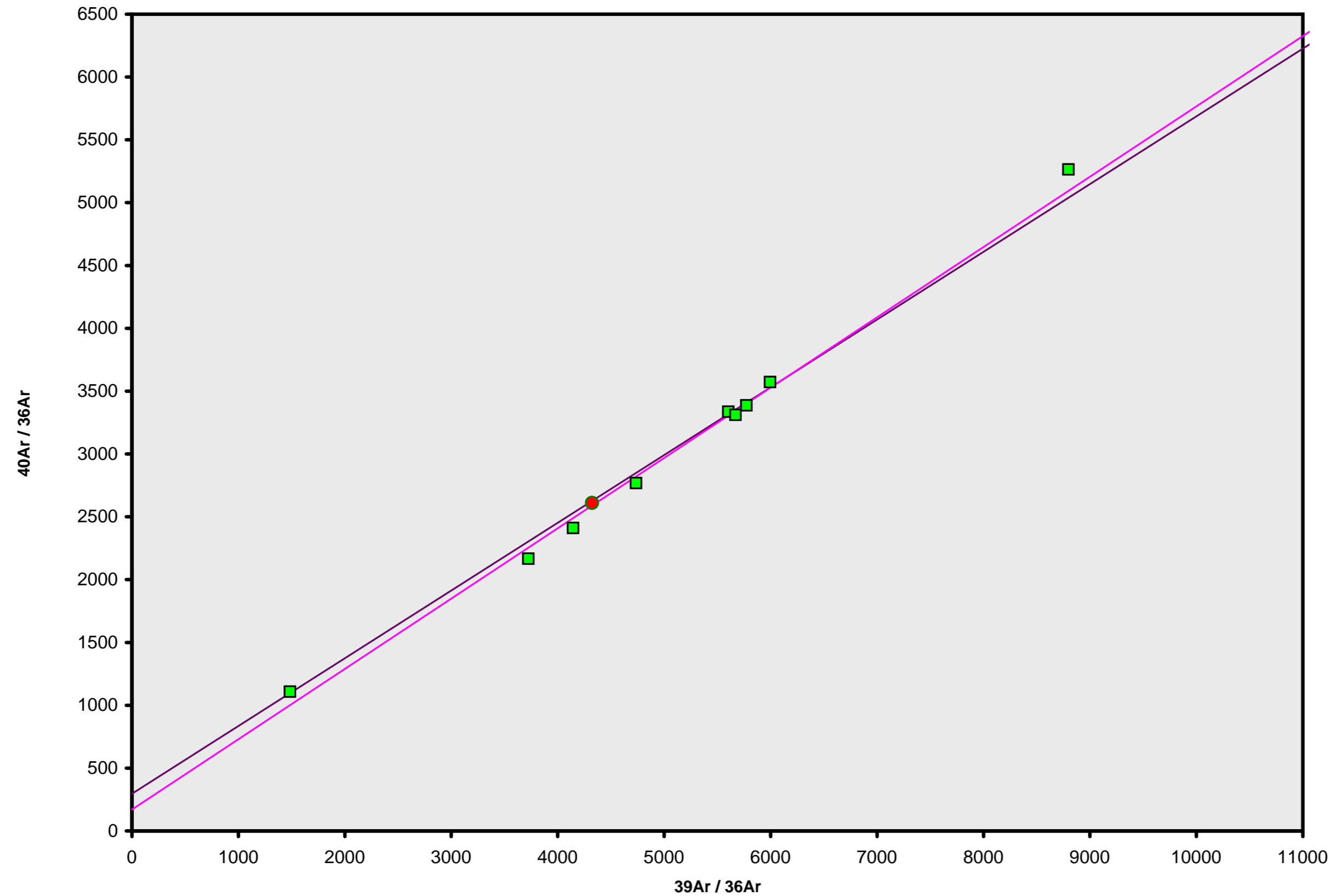
Tama'i, Samoa

Jamie Russell

IRR = OSU2F06

J = $0.00195230 \pm 0.00000547$

06C3120.AGE >>> TAM-1 2F10-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

1.90 ± 0.03

TOTAL FUSION

1.89 ± 0.04

NORMAL ISOCHRON

1.97 ± 0.11

INVERSE ISOCHRON

1.88 ± 0.07

MSWD (PROBABILITY)

5.25 (0%)

40AR/36AR INTERCEPT

170.0 ± 150.9

Sample Info

K-Feldspar 210-300µm

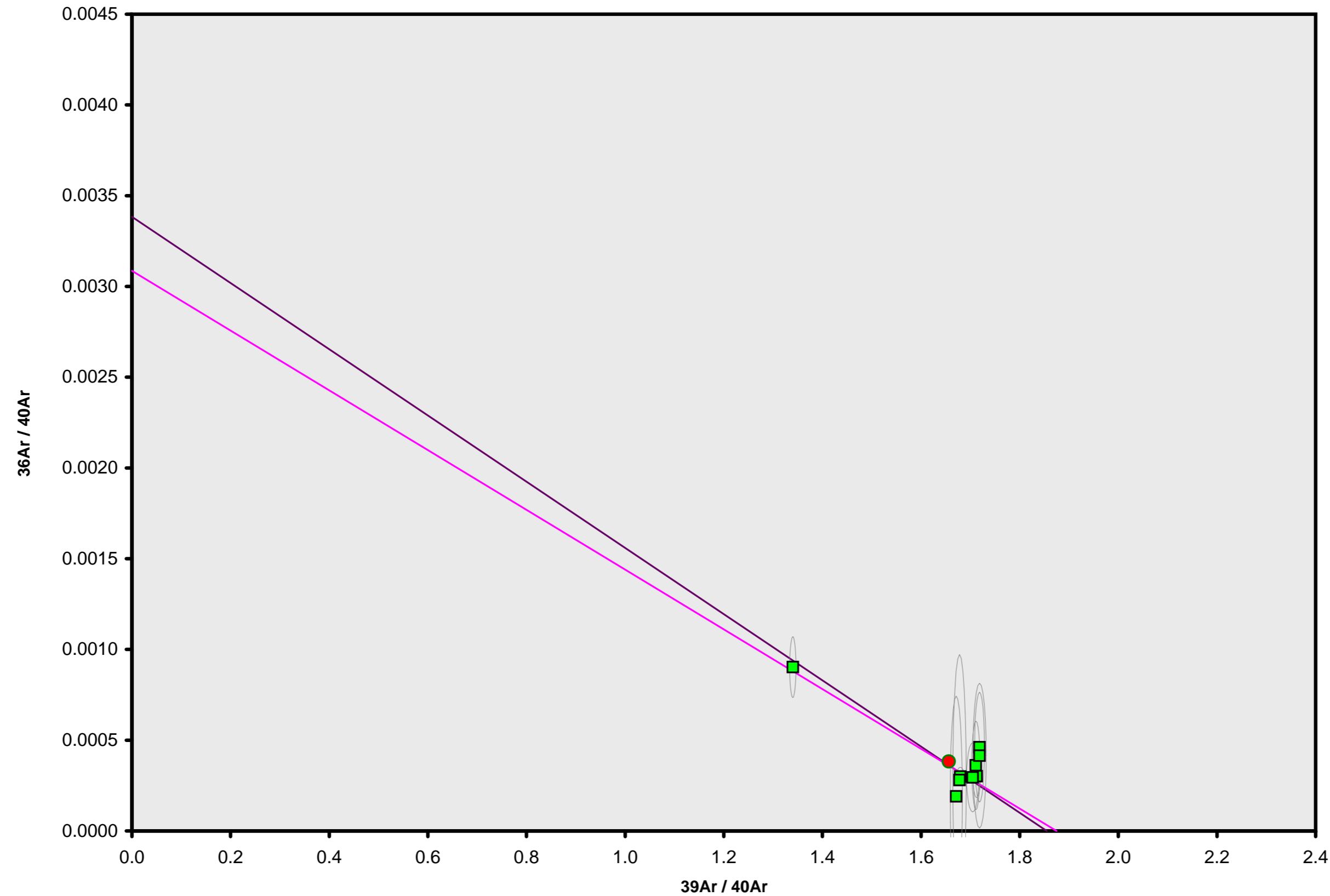
Tama'i, Samoa

Jamie Russell

IRR = OSU2F06

J = 0.00195230 ± 0.00000547

06C3120.AGE >>> TAM-1 2F10-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

1.90 ± 0.03

TOTAL FUSION

1.89 ± 0.04

NORMAL ISOCHRON

1.97 ± 0.11

INVERSE ISOCHRON

1.88 ± 0.07

MSWD (PROBABILITY)

0.63 (73%)

SPREADING FACTOR

20.2%

40AR/36AR INTERCEPT

324.0 ± 86.6

Sample Info

K-Feldspar 210-300µm

Tama'i, Samoa

Jamie Russell

IRR = OSU2F06

J = 0.00195230 ± 0.00000547