Incremental Heating			36Ar(a)	37Ar(ca)	38Ar(cl)	39Ar(k)	40Ar(r)	Age ± 2σ (Ma)	40Ar(r) (%)	39Ar(k) (%)	K/Ca ± 2σ
06C3134	0.00 W		0.001218	0.000167	0.000128	0.002098	0.008007	13.63 ± 15.80	2.28	0.14	5.4 ± 3.4
06C3135	0.18 W		0.001362	0.000982	0.001183	0.017394	0.007102	1.45 ± 4.05	1.80	1.20	7.6 ± 0.8
06C3137	0.29 W	✓	0.001128	0.001212	0.001426	0.033320	0.006082	0.65 ± 1.12	1.79	2.29	11.8 ± 1.3
06C3138	0.53 W	✓	0.001488	0.002049	0.001821	0.106179	0.024947	0.84 ± 0.42	5.37	7.30	22.3 ± 1.8
06C3140	0.80 W	✓	0.001051	0.001498	0.001911	0.198638	0.051997	0.93 ± 0.20	14.33	13.67	57.0 ± 5.0
06C3141	0.97 W	✓	0.000702	0.001329	0.002192	0.276795	0.068343	0.88 ± 0.10	24.73	19.04	89.6 ± 10.3
06C3143	1.24 W	✓	0.000442	0.001101	0.002437	0.317907	0.077368	0.87 ± 0.09	37.10	21.87	124.1 ± 16.1
06C3144	1.50 W	✓	0.000216	0.000945	0.001726	0.213284	0.052015	0.87 ± 0.13	44.78	14.67	97.0 ± 12.5
06C3146	1.77 W	✓	0.000109	0.001019	0.001147	0.133100	0.036832	0.98 ± 0.19	53.18	9.16	56.2 ± 8.7
06C3147	2.39 W	✓	0.000084	0.001111	0.001119	0.108001	0.027033	0.89 ± 0.27	51.89	7.43	41.8 ± 5.3
06C3149	3.36 W	✓	0.000021	0.000988	0.000552	0.030556	0.009551	1.11 ± 0.72	60.13	2.10	13.3 ± 1.8
06C3150	5.48 W		0.000004	0.000631	0.000482	0.016256	0.010343	2.26 ± 1.51	114.28	1.12	11.1 ± 2.4
		Σ	0.007818	0.013034	0.016124	1.453526	0.349401				

Information on Analysis

Sample = TUL-2 2F8-06
Material = Biotite 210-500µm
Location = Tulaga, Samoa
Analyst = Jamie Russell
Project = SAMOA
Mass Discrimination Law = LIN
Irradiation = OSU2F06
J = 0.00196750 ± 0.00000551
FCT-3 = 28.030 ± 0.003 Ma

Results	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (%,n)	K/Ca ± 2σ
Age Plateau	0.2485 ± 0.0144	0.88 ± 0.05	0.28	97.54	18.4 ± 10.0
Overestimate Errors	± 5.78%	± 5.81%	97%	9	
	Minimal External Error	± 0.05	1.50	2σ Confidence Limit	
	Analytical Error	± 0.05	1.0000	Error Magnification	
Total Fusion Age	0.2404 ± 0.0243	0.86 ± 0.09		12	48.0 ± 2.5
	± 10.11%	± 10.12%			
	Minimal External Error	± 0.09			
	Analytical Error	± 0.09			

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
06C3134	0.00 W		1.7 ± 0.1	288.9 ± 7.4	0.8345
06C3135	0.18 W		12.8 ± 0.6	290.3 ± 14.3	0.9887
06C3137	0.29 W	✓	29.5 ± 0.9	300.9 ± 9.5	0.9806
06C3138	0.53 W	✓	71.4 ± 2.1	312.3 ± 9.0	0.9723
06C3140	0.80 W	✓	189.1 ± 7.0	345.0 ± 12.6	0.9796
06C3141	0.97 W	✓	394.0 ± 14.2	392.8 ± 14.0	0.9884
06C3143	1.24 W	✓	719.0 ± 42.3	470.5 ± 27.5	0.9926
06C3144	1.50 W	✓	988.0 ± 116.4	536.4 ± 63.2	0.9979
06C3146	1.77 W	✓	1221.1 ± 264.1	633.4 ± 137.0	0.9995
06C3147	2.39 W	✓	1282.5 ± 421.1	616.5 ± 202.4	0.9997
06C3149	3.36 W	✓	1437.4 ± 1407.3	744.8 ± 729.3	0.9998
06C3150	5.48 W		3640.0 ± 19040.2	2020.6 ± 10569.6	1.0000

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	294.7325 ± 6.1522	0.2492 ± 0.0193	0.89 ± 0.07	0.26
Overestimate Errors	± 2.09%	± 7.74%	± 7.76%	97%
			Minimal External Error ± 0.07	
			Analytical Error ± 0.07	

Statistics				
	2σ Confidence Limit	2.07	Convergence	0.0000015473
	Error Magnification	1.0000	Number of Iterations	14
	Number of Data Points	9	Calculated Line	Weighted York-2

Inverse Isochron			39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
06C3134	0.00 W		0.005961 ± 0.000101	0.003461 ± 0.000089	0.0096
06C3135	0.18 W		0.043992 ± 0.000327	0.003445 ± 0.000169	0.0255
06C3137	0.29 W	✓	0.098153 ± 0.000615	0.003323 ± 0.000105	0.0224
06C3138	0.53 W	✓	0.228504 ± 0.001575	0.003202 ± 0.000092	0.0065
06C3140	0.80 W	✓	0.548013 ± 0.004082	0.002899 ± 0.000106	0.0367
06C3141	0.97 W	✓	1.003150 ± 0.005475	0.002546 ± 0.000091	0.0452
06C3143	1.24 W	✓	1.528194 ± 0.010964	0.002126 ± 0.000124	0.0120
06C3144	1.50 W	✓	1.841737 ± 0.013953	0.001864 ± 0.000220	0.0184
06C3146	1.77 W	✓	1.927827 ± 0.013567	0.001579 ± 0.000341	0.0131
06C3147	2.39 W	✓	2.080282 ± 0.016751	0.001622 ± 0.000533	0.0143
06C3149	3.36 W	✓	1.929936 ± 0.037516	0.001343 ± 0.001315	0.0187
06C3150	5.48 W		1.801455 ± 0.061784	0.000495 ± 0.002589	0.0061

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	294.5761 ± 6.1430 ± 2.09%	0.2504 ± 0.0192 ± 7.65%	0.89 ± 0.07 ± 7.67%	0.31 95%
			Minimal External Error ± 0.07	
			Analytical Error ± 0.07	

Statistics				
	2σ Confidence Limit	2.07	Convergence	0.0000200157
	Error Magnification	1.0000	Number of Iterations	3
	Number of Data Points	9	Calculated Line	Weighted York-2
	Spreading Factor	49.6%		

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Relative Abundances			36Ar	%1σ	37Ar	%1σ	38Ar	%1σ	39Ar	%1σ	40Ar	%1σ	Age ± 2σ (Ma)	40Ar(r) (%)	39Ar(k) (%)	K/Ca ± 2σ
06C3134	0.00 W		0.0012182	1.281	0.0001673	31.079	0.0003809	3.534	0.0020982	0.837	0.3519546	0.102	13.63 ± 15.80	2.28	0.14	5.4 ± 3.4
06C3135	0.18 W		0.0013626	2.451	0.0009822	5.189	0.0016485	1.130	0.0173952	0.339	0.3954305	0.153	1.45 ± 4.05	1.80	1.20	7.6 ± 0.8
06C3137	0.29 W	✓	0.0011288	1.568	0.0012124	4.993	0.0020402	0.836	0.0333212	0.295	0.3395296	0.105	0.65 ± 1.12	1.79	2.29	11.8 ± 1.3
06C3138	0.53 W	✓	0.0014889	1.434	0.0020491	3.542	0.0033849	0.929	0.1061801	0.340	0.4648442	0.056	0.84 ± 0.42	5.37	7.30	22.3 ± 1.8
06C3140	0.80 W	✓	0.0010514	1.822	0.0014982	3.902	0.0045124	0.536	0.1986389	0.337	0.3627971	0.156	0.93 ± 0.20	14.33	13.67	57.0 ± 5.0
06C3141	0.97 W	✓	0.0007032	1.780	0.0013289	5.394	0.0056754	0.571	0.2767958	0.229	0.2763825	0.142	0.88 ± 0.10	24.73	19.04	89.6 ± 10.3
06C3143	1.24 W	✓	0.0004429	2.920	0.0011015	6.141	0.0063699	0.481	0.3179073	0.341	0.2085521	0.093	0.87 ± 0.09	37.10	21.87	124.1 ± 16.1
06C3144	1.50 W	✓	0.0002164	5.869	0.0009451	6.095	0.0043496	0.673	0.2132842	0.320	0.1161576	0.187	0.87 ± 0.13	44.78	14.67	97.0 ± 12.5
06C3146	1.77 W	✓	0.0001095	10.763	0.0010191	7.497	0.0027793	0.693	0.1331003	0.272	0.0692608	0.208	0.98 ± 0.19	53.18	9.16	56.2 ± 8.7
06C3147	2.39 W	✓	0.0000847	16.318	0.0011106	5.983	0.0024426	0.763	0.1080018	0.260	0.0520947	0.294	0.89 ± 0.27	51.89	7.43	41.8 ± 5.3
06C3149	3.36 W	✓	0.0000216	48.136	0.0009882	6.433	0.0009256	1.884	0.0305564	0.233	0.0158829	0.937	1.11 ± 0.72	60.13	2.10	13.3 ± 1.8
06C3150	5.48 W		0.0000042	277.258	0.0006310	10.567	0.0006785	2.257	0.0162561	0.449	0.0090504	1.648	2.26 ± 1.51	114.28	1.12	11.1 ± 2.4
		Σ	0.0078240	0.762	0.0130337	1.706	0.0351878	0.229	1.4535354	0.116	2.6619371	0.043				

Information on Analysis and Constants Used in Calculations

Sample = TUL-2 2F8-06
Material = Biotite 210-500µm
Location = Tulaga, Samoa
Analyst = Jamie Russell
Project = SAMOA
Mass Discrimination Law = LIN
Irradiation = OSU2F06
J = 0.00196750 ± 0.00000551
FCT-3 = 28.030 ± 0.003 Ma
IGSN = KOP000039
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 = Phonolite
Lat-Lon = 14°39.1'S - 170°01.4'E

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

Results

Results	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (%,n)	K/Ca ± 2σ
Age Plateau	0.2485 ± 0.0144	0.88 ± 0.05	0.28	97.54	18.4 ± 10.0
Overestimate Errors	± 5.78%	± 5.81%	97%	9	
	Minimal External Error ± 0.05		1.50	2σ Confidence Limit	
	Analytical Error ± 0.05		1.0000	Error Magnification	
Total Fusion Age	0.2404 ± 0.0243	0.86 ± 0.09		12	48.0 ± 2.5
	± 10.11%	± 10.12%			
	Minimal External Error ± 0.09				
	Analytical Error ± 0.09				
Normal Isochron	0.2492 ± 0.0193	0.89 ± 0.07	0.26	97.54	
Overestimate Errors	± 7.74%	± 7.76%	97%	9	
	Minimal External Error ± 0.07		2.07	2σ Confidence Limit	
	Analytical Error ± 0.07		1.0000	Error Magnification	
Inverse Isochron	0.2504 ± 0.0192	0.89 ± 0.07	0.31	97.54	
	± 7.65%	± 7.67%	95%	9	
	Minimal External Error ± 0.07		2.07	2σ Confidence Limit	
	Analytical Error ± 0.07		1.0000	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
06C3134	0.00 W		0.001218	1.28	0.000000	0.00	0.000000	31.08	0.000000	12.05	0.000167	31.08	0.000228	1.28	0.000000	0.00	0.000025	0.84	0.000000	38.02	0.000128	13.20	0.002098	0.84	0.000000	31.13	0.008007	57.75	0.359959	1.28	0.000000	0.00	0.000003	24.91
06C3135	0.18 W		0.001362	2.45	0.000000	0.00	0.000000	5.20	0.000000	5.64	0.000982	5.19	0.000255	2.45	0.000000	0.00	0.000211	0.35	0.000000	22.51	0.001183	7.79	0.017394	0.34	0.000001	5.50	0.007102	139.21	0.402504	2.45	0.000000	0.00	0.000029	24.90
06C3137	0.29 W	✓	0.001128	1.57	0.000000	0.00	0.000000	5.01	0.000000	5.52	0.001212	4.99	0.000211	1.57	0.000000	0.00	0.000404	0.31	0.000000	22.46	0.001426	7.71	0.033320	0.30	0.000001	5.32	0.006082	86.21	0.333393	1.57	0.000000	0.00	0.000055	24.90
06C3138	0.53 W	✓	0.001488	1.43	0.000000	0.00	0.000001	3.56	0.000000	5.67	0.002049	3.54	0.000278	1.43	0.000000	0.00	0.001286	0.35	0.000000	22.18	0.001821	7.82	0.106179	0.34	0.000001	3.99	0.024947	25.31	0.439722	1.43	0.000000	0.00	0.000175	24.90
06C3140	0.80 W	✓	0.001051	1.82	0.000000	0.00	0.000000	3.92	0.000000	5.55	0.001498	3.90	0.000196	1.82	0.000000	0.00	0.002406	0.35	0.000000	22.24	0.001911	7.74	0.198638	0.34	0.000001	4.31	0.051997	10.94	0.310473	1.82	0.000000	0.00	0.000328	24.90
06C3141	0.97 W	✓	0.000702	1.78	0.000000	0.00	0.000000	5.41	0.000000	5.60	0.001329	5.39	0.000131	1.78	0.000000	0.00	0.003352	0.25	0.000000	22.55	0.002192	7.77	0.276795	0.23	0.000001	5.70	0.068343	5.45	0.207582	1.78	0.000000	0.00	0.000457	24.90
06C3143	1.24 W	✓	0.000442	2.92	0.000000	0.00	0.000000	6.15	0.000000	5.56	0.001101	6.14	0.000083	2.92	0.000000	0.00	0.003850	0.36	0.000000	22.74	0.002437	7.74	0.317907	0.34	0.000001	6.41	0.077368	4.95	0.130660	2.92	0.000000	0.00	0.000525	24.90
06C3144	1.50 W	✓	0.000216	5.88	0.000000	0.00	0.000000	6.11	0.000000	5.67	0.000945	6.10	0.000040	5.88	0.000000	0.00	0.002583	0.34	0.000000	22.73	0.001726	7.82	0.213284	0.32	0.000001	6.36	0.052015	7.23	0.063791	5.88	0.000000	0.00	0.000352	24.90
06C3146	1.77 W	✓	0.000109	10.81	0.000000	0.00	0.000000	7.51	0.000000	5.66	0.001019	7.50	0.000020	10.81	0.000000	0.00	0.001612	0.29	0.000000	23.15	0.001147	7.81	0.133100	0.27	0.000001	7.72	0.036832	9.46	0.032210	10.81	0.000000	0.00	0.000220	24.90
06C3147	2.39 W	✓	0.000084	16.41	0.000000	0.00	0.000000	5.99	0.000000	5.65	0.001111	5.98	0.000016	16.41	0.000000	0.00	0.001308	0.28	0.000000	22.70	0.001119	7.81	0.108001	0.26	0.000001	6.26	0.027033	15.12	0.024884	16.41	0.000000	0.00	0.000178	24.90
06C3149	3.36 W	✓	0.000021	48.95	0.000000	0.00	0.000000	6.44	0.000000	6.26	0.000988	6.43	0.000004	48.95	0.000000	0.00	0.000370	0.25	0.000000	22.83	0.000552	8.26	0.030556	0.23	0.000001	6.69	0.009551	32.24	0.006282	48.95	0.000000	0.00	0.000050	24.90
06C3150	5.48 W		0.000004	261.54	0.000000	0.00	0.000000	10.57	0.000000	6.27	0.000631	10.57	0.000001	261.54	0.000000	0.00	0.000197	0.46	0.000000	24.32	0.000482	8.27	0.016256	0.45	0.000000	10.72	0.010343	33.40	0.001320	261.54	0.000000	0.00	0.000027	24.90
		Σ	0.007818	0.76	0.000000	0.00	0.000004	1.71	0.000003	1.82	0.013034	1.71	0.001461	0.76	0.000000	0.00	0.017602	0.12	0.000000	7.02	0.016124	2.52	1.453526	0.12	0.000009	1.80	0.349401	5.05	2.310138	0.76	0.000000	0.00	0.002398	9.48
		Σ							0.007824	0.76	0.013034	1.71									0.035188	1.16			1.453535	0.12							2.661937	0.94

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)
06C3134	0.00 W		3.816591	2.20424	0.351951	0.00036	167.741887	1.41391	0.079743	0.02479	0.580596	0.00888	88.984	5.81529569	1.00062910	3.562E-20
06C3135	0.18 W		0.408313	0.56843	0.395402	0.00060	22.732173	0.08448	0.056463	0.00294	0.078331	0.00194	89.005	5.81768917	1.00062925	4.002E-20
06C3137	0.29 W	✓	0.182536	0.15737	0.339475	0.00036	10.189608	0.03191	0.036387	0.00182	0.033876	0.00054	89.047	5.82255897	1.00062954	3.436E-20
06C3138	0.53 W	✓	0.234953	0.05947	0.464669	0.00026	4.377886	0.01508	0.019298	0.00069	0.014023	0.00021	89.069	5.82503534	1.00062970	4.704E-20
06C3140	0.80 W	✓	0.261767	0.02866	0.362469	0.00057	1.826416	0.00679	0.007542	0.00030	0.005293	0.00010	89.111	5.82991129	1.00063000	3.672E-20
06C3141	0.97 W	✓	0.246909	0.01346	0.275926	0.00041	0.998507	0.00269	0.004801	0.00026	0.002541	0.00005	89.132	5.83231079	1.00063014	2.797E-20
06C3143	1.24 W	✓	0.243367	0.01207	0.208028	0.00023	0.656015	0.00232	0.003465	0.00021	0.001393	0.00004	89.174	5.83719282	1.00063044	2.111E-20
06C3144	1.50 W	✓	0.243876	0.01765	0.115806	0.00023	0.544614	0.00202	0.004431	0.00027	0.001015	0.00006	89.195	5.83959532	1.00063059	1.176E-20
06C3146	1.77 W	✓	0.276723	0.02620	0.069041	0.00015	0.520366	0.00178	0.007656	0.00057	0.000822	0.00009	89.238	5.84448345	1.00063089	7.009E-21
06C3147	2.39 W	✓	0.250303	0.03785	0.051917	0.00016	0.482351	0.00189	0.010283	0.00062	0.000784	0.00013	89.258	5.84688895	1.00063103	5.272E-21
06C3149	3.36 W	✓	0.312569	0.10076	0.015832	0.00015	0.519790	0.00502	0.032341	0.00208	0.000708	0.00034	89.301	5.85178319	1.00063133	1.607E-21
06C3150	5.48 W		0.636289	0.21255	0.009024	0.00015	0.556742	0.00951	0.038818	0.00411	0.000259	0.00072	89.322	5.85427200	1.00063149	9.159E-22

Procedure Blanks		36Ar	1σ	37Ar	1σ	38Ar	1σ	39Ar	1σ	40Ar	1σ
06C3134	0.00 W	0.000018	0.000009	0.000010	0.000008	0.000009	0.000007	0.000011	0.000008	0.003027	0.000139
06C3135	0.18 W	0.000015	0.000009	0.000002	0.000008	0.000007	0.000007	0.000019	0.000008	0.003302	0.000138
06C3137	0.29 W	0.000012	0.000009	0.000003	0.000008	0.000003	0.000007	0.000036	0.000008	0.003479	0.000137
06C3138	0.53 W	0.000011	0.000009	0.000006	0.000008	0.000002	0.000007	0.000044	0.000008	0.003461	0.000137
06C3140	0.80 W	0.000010	0.000009	0.000011	0.000008	0.000003	0.000007	0.000058	0.000008	0.003401	0.000137
06C3141	0.97 W	0.000011	0.000009	0.000011	0.000008	0.000004	0.000007	0.000064	0.000008	0.003418	0.000137
06C3143	1.24 W	0.000013	0.000009	0.000007	0.000008	0.000008	0.000007	0.000077	0.000008	0.003658	0.000137
06C3144	1.50 W	0.000015	0.000009	0.000005	0.000008	0.000011	0.000007	0.000082	0.000008	0.003910	0.000137
06C3146	1.77 W	0.000021	0.000009	0.000010	0.000008	0.000018	0.000007	0.000092	0.000008	0.004739	0.000138
06C3147	2.39 W	0.000024	0.000009	0.000022	0.000008	0.000023	0.000007	0.000097	0.000008	0.005307	0.000139
06C3149	3.36 W	0.000033	0.000009	0.000084	0.000008	0.000034	0.000007	0.000105	0.000008	0.006767	0.000141
06C3150	5.48 W	0.000038	0.000009	0.000143	0.000008	0.000041	0.000007	0.000108	0.000008	0.007643	0.000141

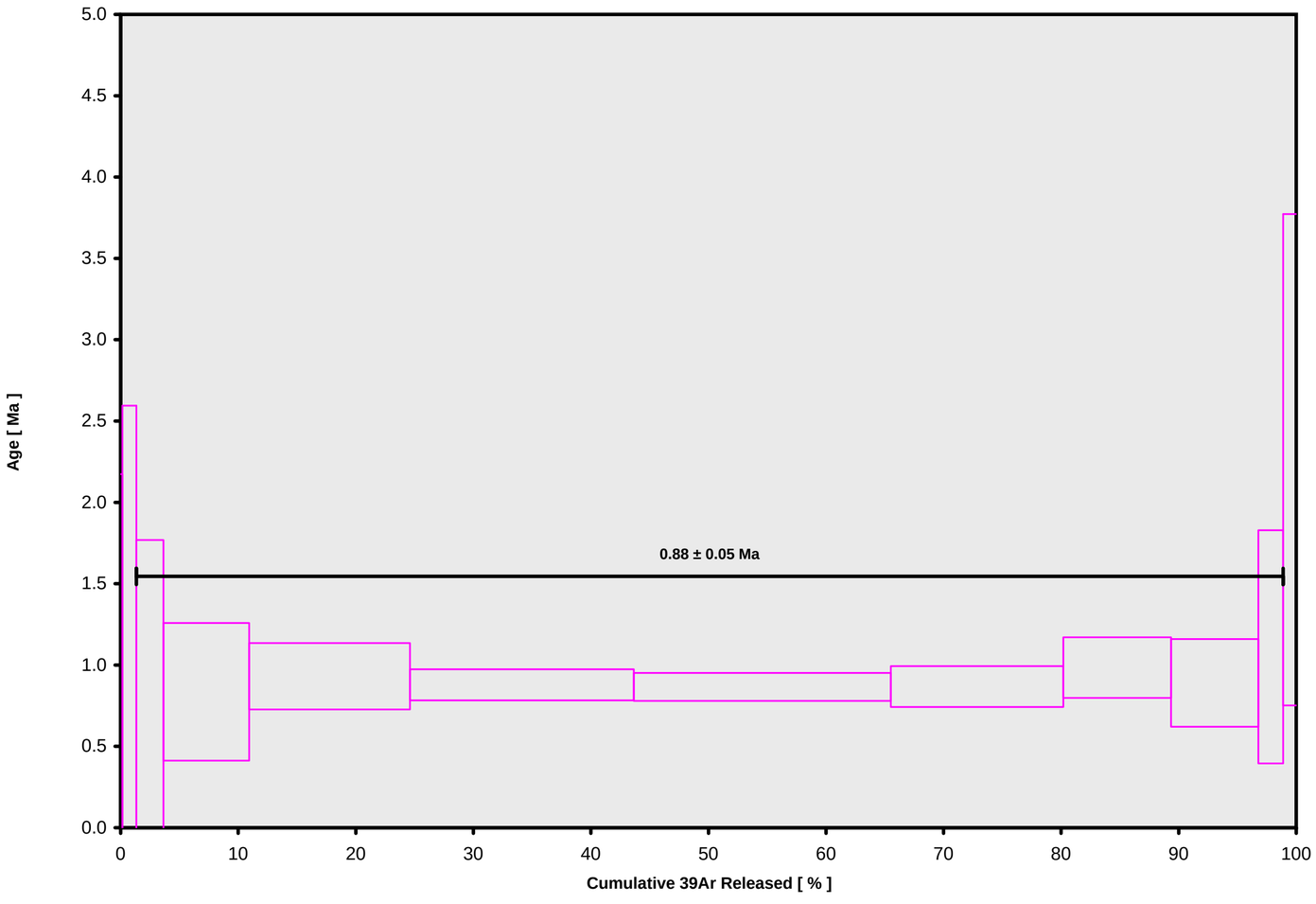
Intercept Values		36Ar	1σ	r2		37Ar	1σ	r2		38Ar	1σ	r2		39Ar	1σ	r2		40Ar	1σ	r2	
06C3134	0.00 W	0.001232	0.000010	0.8095	LIN #	0.000039	0.000005	0.9466	EXP #	0.000386	0.000011	0.0004	LIN #	0.002079	0.000015	0.9952	EXP #	0.348808	0.000325	0.9939	LIN # 4
06C3135	0.18 W	0.001374	0.000031	0.5524	LIN # 5 6 7 8 9 10	0.000170	0.000004	0.9853	LIN # 5 6 7 8 9 10	0.001639	0.000016	0.1113	LIN # 5 6 7 8 9 10	0.017167	0.000051	0.4821	EXP # 5 6 7 8 9 10	0.391836	0.000578	0.8885	LIN # 5 6 7 8 9 10 1
06C3137	0.29 W	0.001137	0.000014	0.6329	LIN #	0.000209	0.000007	0.8354	EXP #	0.002023	0.000014	0.8139	LIN #	0.032880	0.000081	0.9304	EXP #	0.337043	0.000323	0.9922	LIN # 1
06C3138	0.53 W	0.001495	0.000017	0.5251	LIN #	0.000355	0.000010	0.7865	EXP #	0.003353	0.000028	0.7288	LIN #	0.104694	0.000314	0.9559	LIN # 1	0.460115	0.000218	0.9979	EXP # 1
06C3140	0.80 W	0.001059	0.000016	0.2605	LIN #	0.000266	0.000007	0.9302	EXP #	0.004470	0.000018	0.9409	LIN #	0.195836	0.000581	0.9592	LIN #	0.359794	0.000541	0.9710	EXP # 6 10
06C3141	0.97 W	0.000712	0.000008	0.1307	LIN #	0.000237	0.000010	0.8838	EXP #	0.005623	0.000026	0.9327	LIN #	0.272901	0.000447	0.9901	EXP #	0.274934	0.000363	0.9469	EXP #
06C3143	1.24 W	0.000455	0.000009	0.0824	LIN #	0.000195	0.000009	0.8639	EXP #	0.006314	0.000022	0.9563	LIN #	0.313406	0.000942	0.9725	LIN #	0.208499	0.000135	0.9286	LIN #
06C3144	1.50 W	0.000231	0.000009	0.1203	LIN #	0.000166	0.000006	0.9201	EXP #	0.004316	0.000025	0.8563	LIN #	0.210294	0.000583	0.9636	LIN #	0.117968	0.000166	0.9274	LIN # 1
06C3146	1.77 W	0.000130	0.000008	0.4811	LIN #	0.000183	0.000011	0.7249	EXP #	0.002769	0.000015	0.8954	LIN #	0.131275	0.000288	0.9893	LIN # 1	0.072705	0.000040	0.9964	EXP # 5 11
06C3147	2.39 W	0.000108	0.000011	0.0567	LIN #	0.000210	0.000008	0.6807	EXP #	0.002441	0.000015	0.8553	LIN #	0.106563	0.000218	0.9852	LIN #	0.056409	0.000064	0.9956	LIN #
06C3149	3.36 W	0.000054	0.000006	0.2647	LIN #	0.000250	0.000008	0.2779	EXP #	0.000951	0.000016	0.4164	LIN #	0.030237	0.000051	0.9877	EXP #	0.022267	0.000048	0.9984	EXP #
06C3150	5.48 W	0.000033	0.000008	0.4851	LIN #	0.000248	0.000008	0.1392	EXP #	0.000712	0.000013	0.6396	LIN #	0.016136	0.000067	0.9516	EXP #	0.016409	0.000047	0.9983	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
06C3134	0.00 W	TUL-2 2F8-06	Biotite 210-500µm	Tulaga, Samoa	Jamie Russell	0	28.03	0.01	0.0019675	0.28	1.00378	0.16	1.0177	1.012E-19	03	SEP	2006	14	40	001	OSU2F06	Samoa	06C3134	01	FCT-3
06C3135	0.18 W	TUL-2 2F8-06	Biotite 210-500µm	Tulaga, Samoa	Jamie Russell	0.18	28.03	0.01	0.0019675	0.28	1.00378	0.16	1.0176	1.012E-19	03	SEP	2006	15	10	001	OSU2F06	Samoa	06C3134	01	FCT-3
06C3137	0.29 W	TUL-2 2F8-06	Biotite 210-500µm	Tulaga, Samoa	Jamie Russell	0.29	28.03	0.01	0.0019675	0.28	1.00378	0.16	1.0177	1.012E-19	03	SEP	2006	16	11	001	OSU2F06	Samoa	06C3134	01	FCT-3
06C3138	0.53 W	TUL-2 2F8-06	Biotite 210-500µm	Tulaga, Samoa	Jamie Russell	0.53	28.03	0.01	0.0019675	0.28	1.00378	0.16	1.0178	1.012E-19	03	SEP	2006	16	42	001	OSU2F06	Samoa	06C3134	01	FCT-3
06C3140	0.80 W	TUL-2 2F8-06	Biotite 210-500µm	Tulaga, Samoa	Jamie Russell	0.8	28.03	0.01	0.0019675	0.28	1.00378	0.16	1.0178	1.012E-19	03	SEP	2006	17	43	001	OSU2F06	Samoa	06C3134	01	FCT-3
06C3141	0.97 W	TUL-2 2F8-06	Biotite 210-500µm	Tulaga, Samoa	Jamie Russell	0.97	28.03	0.01	0.0019675	0.28	1.00378	0.16	1.0177	1.012E-19	03	SEP	2006	18	13	001	OSU2F06	Samoa	06C3134	01	FCT-3
06C3143	1.24 W	TUL-2 2F8-06	Biotite 210-500µm	Tulaga, Samoa	Jamie Russell	1.24	28.03	0.01	0.0019675	0.28	1.00378	0.16	1.0178	1.012E-19	03	SEP	2006	19	14	001	OSU2F06	Samoa	06C3134	01	FCT-3
06C3144	1.50 W	TUL-2 2F8-06	Biotite 210-500µm	Tulaga, Samoa	Jamie Russell	1.5	28.03	0.01	0.0019675	0.28	1.00378	0.16	1.0178	1.012E-19	03	SEP	2006	19	44	001	OSU2F06	Samoa	06C3134	01	FCT-3
06C3146	1.77 W	TUL-2 2F8-06	Biotite 210-500µm	Tulaga, Samoa	Jamie Russell	1.77	28.03	0.01	0.0019675	0.28	1.00378	0.16	1.0178	1.012E-19	03	SEP	2006	20	45	001	OSU2F06	Samoa	06C3134	01	FCT-3
06C3147	2.39 W	TUL-2 2F8-06	Biotite 210-500µm	Tulaga, Samoa	Jamie Russell	2.39	28.03	0.01	0.0019675	0.28	1.00378	0.16	1.0176	1.012E-19	03	SEP	2006	21	15	001	OSU2F06	Samoa	06C3134	01	FCT-3
06C3149	3.36 W	TUL-2 2F8-06	Biotite 210-500µm	Tulaga, Samoa	Jamie Russell	3.36	28.03	0.01	0.0019675	0.28	1.00378	0.16	1.0172	1.012E-19	03	SEP	2006	22	16	001	OSU2F06	Samoa	06C3134	01	FCT-3
06C3150	5.48 W	TUL-2 2F8-06	Biotite 210-500µm	Tulaga, Samoa	Jamie Russell	5.48	28.03	0.01	0.0019675	0.28	1.00378	0.16	1.0173	1.012E-19	03	SEP	2006	22	47	001	OSU2F06	Samoa	06C3134	01	FCT-3

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
06C3134	0.00 W	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
06C3135	0.18 W	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
06C3137	0.29 W	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
06C3138	0.53 W	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
06C3140	0.80 W	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
06C3141	0.97 W	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
06C3143	1.24 W	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
06C3144	1.50 W	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
06C3146	1.77 W	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
06C3147	2.39 W	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
06C3149	3.36 W	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
06C3150	5.48 W	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

40Ar/39Ar Geochronology Laboratory
COAS, Oregon State University, Corvallis, USA

06C3134.AGE >>> TUL-2 2F8-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
0.88 ± 0.05
TOTAL FUSION
0.86 ± 0.09
NORMAL ISOCHRON
0.89 ± 0.07
INVERSE ISOCHRON
0.89 ± 0.07

MSWD (PROBABILITY)
0.28 (97%)

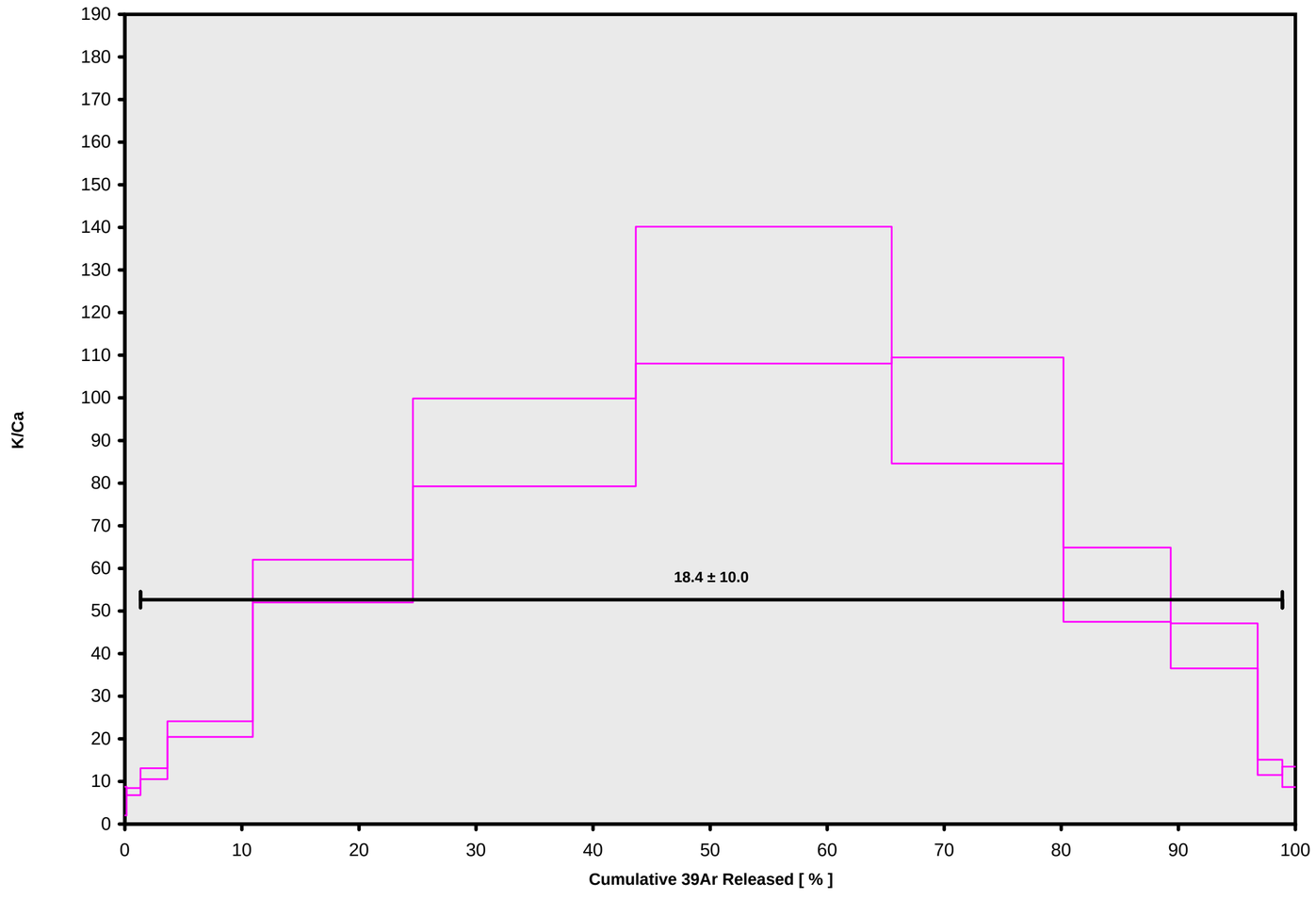
Sample Info

Biotite 210-500µm
Tulaga, Samoa
Jamie Russell

IRR = OSU2F06
J = 0.00196750 ± 0.00000551

40Ar/39Ar Geochronology Laboratory
COAS, Oregon State University, Corvallis, USA

06C3134.AGE >>> TUL-2 2F8-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
0.88 ± 0.05
TOTAL FUSION
0.86 ± 0.09
NORMAL ISOCHRON
0.89 ± 0.07
INVERSE ISOCHRON
0.89 ± 0.07

Sample Info

Biotite 210-500µm
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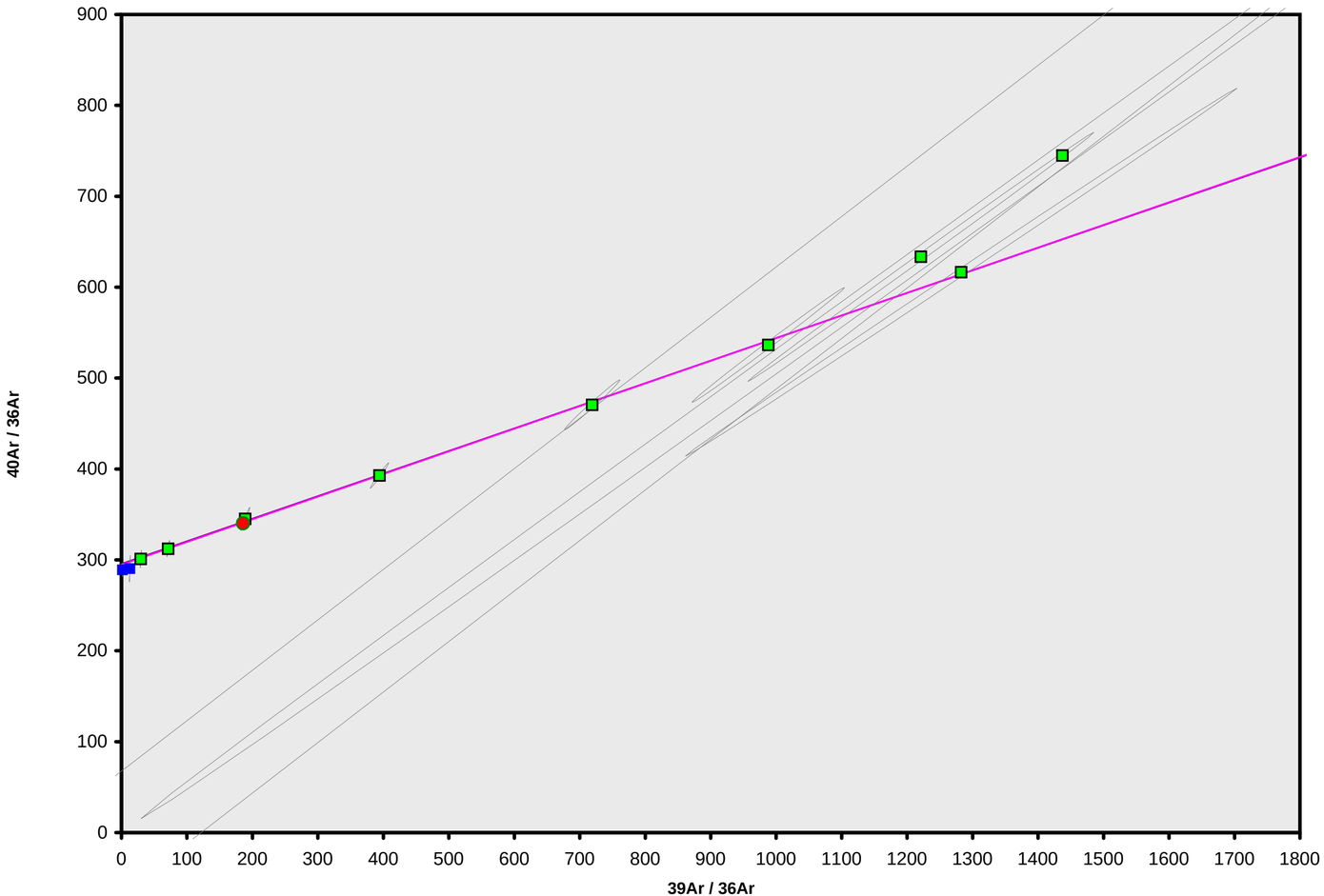
40Ar/39Ar Geochronology Laboratory
COAS, Oregon State University, Corvallis, USA

06C3134.AGE >>> TUL-2 2F8-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
0.88 ± 0.05
TOTAL FUSION
0.86 ± 0.09
NORMAL ISOCHRON
0.89 ± 0.07
INVERSE ISOCHRON
0.89 ± 0.07

MSWD (PROBABILITY)
0.26 (97%)

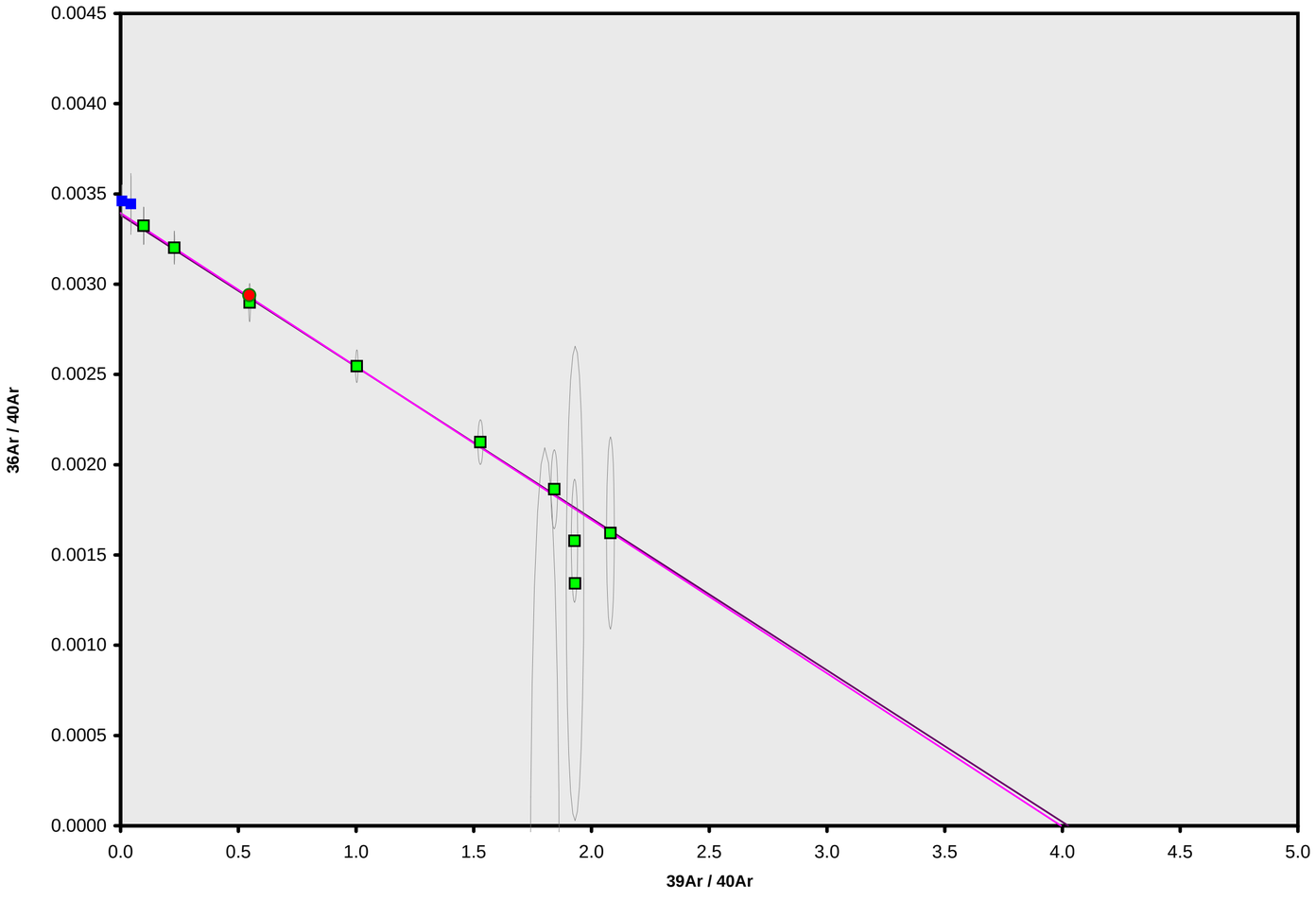
40AR/36AR INTERCEPT
294.7 ± 6.2

Sample Info

Biotite 210-500µm
Tulaga, Samoa
Jamie Russell

IRR = OSU2F06
J = 0.00196750 ± 0.00000551

06C3134.AGE >>> TUL-2 2F8-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
0.88 ± 0.05
TOTAL FUSION
0.86 ± 0.09
NORMAL ISOCHRON
0.89 ± 0.07
INVERSE ISOCHRON
0.89 ± 0.07

MSWD (PROBABILITY)
0.31 (95%)

SPREADING FACTOR
49.6%

40AR/36AR INTERCEPT
294.6 ± 6.1

Sample Info

Biotite 210-500µm
Tulaga, Samoa
Jamie Russell

IRR = OSU2F06
J = 0.00196750 ± 0.00000551