Incremental Heating			36Ar(a)	37Ar(ca)	38Ar(cl)	39Ar(k)	40Ar(r)	Age ± 2σ (Ma)	40Ar(r) (%)	39Ar(k) (%)	K/Ca ± 2σ
06C3509	0.00 W		0.000047	0.000086	0.000019	0.000545	0.003075	17.80 ± 32.67	28.10	0.01	2.7 ± 1.6
06C3510	0.21 W	✓	0.000154	0.004657	0.000155	0.041719	0.064078	4.81 ± 1.03	58.45	0.61	3.9 ± 0.2
06C3512	0.27 W	✓	0.000025	0.003054	0.000047	0.032137	0.052494	5.12 ± 0.70	87.52	0.47	4.5 ± 0.2
06C3513	0.38 W	✓	0.000065	0.008462	0.000114	0.104363	0.160694	4.83 ± 0.23	89.18	1.52	5.3 ± 0.2
06C3515	0.41 W	✓	0.000042	0.007274	0.000101	0.100037	0.157259	4.93 ± 0.22	92.61	1.46	5.9 ± 0.2
06C3516	0.47 W	✓	0.000041	0.009473	0.000220	0.139271	0.222796	5.01 ± 0.18	94.73	2.03	6.3 ± 0.3
06C3518	0.53 W	✓	0.000068	0.013215	0.000375	0.207379	0.325971	4.93 ± 0.13	94.07	3.02	6.7 ± 0.3
06C3519	0.62 W	✓	0.000075	0.011791	0.000330	0.184179	0.290886	4.95 ± 0.13	92.80	2.68	6.7 ± 0.3
06C3521	0.71 W	✓	0.000090	0.020925	0.000790	0.339080	0.532562	4.92 ± 0.08	95.14	4.93	7.0 ± 0.3
06C3522	0.80 W	✓	0.000063	0.019685	0.000735	0.325069	0.518224	5.00 ± 0.06	96.42	4.73	7.1 ± 0.3
06C3524	0.91 W	✓	0.000092	0.025284	0.001022	0.414218	0.658491	4.98 ± 0.06	95.94	6.03	7.0 ± 0.3
06C3525	0.97 W	✓	0.000079	0.022359	0.000871	0.371807	0.593238	5.00 ± 0.06	96.14	5.41	7.2 ± 0.3
06C3526	1.15 W	✓	0.000072	0.021091	0.000739	0.350712	0.557511	4.98 ± 0.08	96.21	5.10	7.2 ± 0.3
06C3528	1.24 W	✓	0.000079	0.025702	0.001045	0.437193	0.696510	4.99 ± 0.07	96.68	6.36	7.3 ± 0.3
06C3529	1.44 W	✓	0.000062	0.024021	0.001077	0.418680	0.670116	5.02 ± 0.06	97.23	6.09	7.5 ± 0.3
06C3530	1.65 W	✓	0.000073	0.026696	0.001158	0.472861	0.751677	4.98 ± 0.06	97.11	6.88	7.6 ± 0.3
06C3532	1.86 W	✓	0.000094	0.028087	0.001412	0.510920	0.810687	4.97 ± 0.05	96.60	7.43	7.8 ± 0.3
06C3533	2.15 W	✓	0.000094	0.027072	0.001482	0.496616	0.790379	4.99 ± 0.05	96.52	7.22	7.9 ± 0.3
06C3534	2.56 W	✓	0.000107	0.028408	0.001566	0.522363	0.828872	4.97 ± 0.06	96.22	7.60	7.9 ± 0.3
06C3536	3.07 W	✓	0.000102	0.028074	0.001626	0.534353	0.847291	4.97 ± 0.05	96.47	7.77	8.2 ± 0.3
06C3537	3.80 W	✓	0.000109	0.027071	0.001830	0.534676	0.841553	4.93 ± 0.05	96.23	7.78	8.5 ± 0.4
06C3538	4.80 W	✓	0.000092	0.016794	0.001290	0.336362	0.535283	4.99 ± 0.08	95.07	4.89	8.6 ± 0.4
		Σ	0.001726	0.399282	0.018003	6.874540	10.903495				

Information on Analysis

Sample = SAV-3 3E1-06
Material = K-feldspar <50µm
Location = Savai'i Island, Samoa
Analyst = Jamie Russell
Project = SAMOA
Mass Discrimination Law = LIN
Irradiation = OSU3E06
J = 0.00173520 ± 0.00000416
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	1.5879 ± 0.0051 ± 0.32%	4.98 ± 0.03 ± 0.58%	0.54	99.99	6.5 ± 0.6
			95%	21	
	Minimal External Error ± 0.09		1.32	2σ Confidence Limit	
	Analytical Error ± 0.02		1.0000	Error Magnification	
Total Fusion Age	1.5861 ± 0.0059 ± 0.37%	4.97 ± 0.03 ± 0.61%		22	7.4 ± 0.3
	Minimal External Error ± 0.09				
	Analytical Error ± 0.02				

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
06C3509	0.00 W		11.5 ± 5.1	230.7 ± 93.0	0.8423
06C3510	0.21 W	✓	271.1 ± 68.3	711.9 ± 185.3	0.9608
06C3512	0.27 W	✓	1277.8 ± 1222.9	2382.8 ± 2280.6	0.9998
06C3513	0.38 W	✓	1596.2 ± 627.3	2753.2 ± 1082.0	0.9999
06C3515	0.41 W	✓	2388.7 ± 1347.1	4050.6 ± 2284.4	0.9999
06C3516	0.47 W	✓	3383.8 ± 2150.7	5708.7 ± 3628.4	1.0000
06C3518	0.53 W	✓	3032.1 ± 1227.2	5061.5 ± 2048.5	0.9999
06C3519	0.62 W	✓	2445.2 ± 817.8	4157.4 ± 1390.3	0.9999
06C3521	0.71 W	✓	3757.1 ± 1164.1	6196.4 ± 1919.7	0.9998
06C3522	0.80 W	✓	5133.4 ± 1682.2	8479.2 ± 2778.5	0.9999
06C3524	0.91 W	✓	4503.9 ± 1057.1	7455.4 ± 1749.4	0.9997
06C3525	0.97 W	✓	4729.6 ± 1362.5	7841.8 ± 2258.7	0.9998
06C3526	1.15 W	✓	4847.9 ± 1762.2	8002.0 ± 2908.3	0.9999
06C3528	1.24 W	✓	5564.2 ± 2057.1	9160.0 ± 3385.9	0.9998
06C3529	1.44 W	✓	6736.5 ± 2689.3	11077.6 ± 4422.0	0.9999
06C3530	1.65 W	✓	6461.5 ± 2567.0	10566.9 ± 4197.7	0.9999
06C3532	1.86 W	✓	5456.3 ± 1453.7	8953.2 ± 2384.8	0.9997
06C3533	2.15 W	✓	5309.6 ± 1395.0	8745.8 ± 2297.5	0.9998
06C3534	2.56 W	✓	4866.8 ± 1283.6	8018.0 ± 2114.1	0.9996
06C3536	3.07 W	✓	5242.5 ± 1335.5	8608.1 ± 2192.4	0.9998
06C3537	3.80 W	✓	4927.6 ± 1267.1	8051.3 ± 2070.2	0.9998
06C3538	4.80 W	✓	3651.9 ± 1026.1	6107.1 ± 1715.6	0.9997

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	244.9330 ± 58.1038 ± 23.72%	1.5967 ± 0.0131 ± 0.82%	5.00 ± 0.05 ± 0.95%	0.66 86%
			Minimal External Error ± 0.10	
			Analytical Error ± 0.04	

Statistics				
	2σ Confidence Limit	1.65	Convergence	0.0000138276
	Error Magnification	1.0000	Number of Iterations	1
	Number of Data Points	21	Calculated Line	Weighted York-2

Inverse Isochron			39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
06C3509	0.00 W		0.049770 ± 0.012046	0.004335 ± 0.001747	0.1126
06C3510	0.21 W	✓	0.380814 ± 0.027505	0.001405 ± 0.000366	0.2542
06C3512	0.27 W	✓	0.536281 ± 0.010506	0.000420 ± 0.000402	0.0175
06C3513	0.38 W	✓	0.579745 ± 0.003740	0.000363 ± 0.000143	0.0038
06C3515	0.41 W	✓	0.589723 ± 0.003987	0.000247 ± 0.000139	0.0074
06C3516	0.47 W	✓	0.592747 ± 0.003445	0.000175 ± 0.000111	0.0055
06C3518	0.53 W	✓	0.599046 ± 0.003396	0.000198 ± 0.000080	0.0039
06C3519	0.62 W	✓	0.588162 ± 0.003031	0.000241 ± 0.000080	0.0052
06C3521	0.71 W	✓	0.606333 ± 0.004139	0.000161 ± 0.000050	0.0058
06C3522	0.80 W	✓	0.605414 ± 0.002295	0.000118 ± 0.000039	0.0013
06C3524	0.91 W	✓	0.604108 ± 0.003372	0.000134 ± 0.000031	0.0026
06C3525	0.97 W	✓	0.603125 ± 0.003549	0.000128 ± 0.000037	0.0026
06C3526	1.15 W	✓	0.605837 ± 0.003499	0.000125 ± 0.000045	0.0010
06C3528	1.24 W	✓	0.607442 ± 0.004670	0.000109 ± 0.000040	0.0008
06C3529	1.44 W	✓	0.608120 ± 0.003497	0.000090 ± 0.000036	0.0010
06C3530	1.65 W	✓	0.611482 ± 0.003129	0.000095 ± 0.000038	0.0005
06C3532	1.86 W	✓	0.609430 ± 0.003659	0.000112 ± 0.000030	0.0008
06C3533	2.15 W	✓	0.607097 ± 0.002764	0.000114 ± 0.000030	0.0009
06C3534	2.56 W	✓	0.606984 ± 0.004479	0.000125 ± 0.000033	0.0016
06C3536	3.07 W	✓	0.609012 ± 0.003460	0.000116 ± 0.000030	0.0012
06C3537	3.80 W	✓	0.612026 ± 0.002995	0.000124 ± 0.000032	0.0045
06C3538	4.80 W	✓	0.597977 ± 0.004266	0.000164 ± 0.000046	0.0051

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	279.0636 ± 66.0430 ± 23.67%	1.5913 ± 0.0140 ± 0.88%	4.99 ± 0.05 ± 1.00%	0.55 94%
			Minimal External Error ± 0.10	
			Analytical Error ± 0.04	

Statistics				
	2σ Confidence Limit	1.65	Convergence	0.0000246760
	Error Magnification	1.0000	Number of Iterations	3
	Number of Data Points	21	Calculated Line	Weighted York-2
	Spreading Factor	36.8%		

Relative Abundances			36Ar	%1σ	37Ar	%1σ	38Ar	%1σ	39Ar	%1σ	40Ar	%1σ	Age ± 2σ (Ma)	40Ar(r) (%)	39Ar(k) (%)	K/Ca ± 2σ
06C3509	0.00 W		0.0000475	19.449	0.0000860	26.397	0.0000347	61.744	0.0005448	10.908	0.0109458	5.240	17.80 ± 32.67	28.10	0.01	2.7 ± 1.6
06C3510	0.21 W	✓	0.0001552	12.448	0.0046572	1.222	0.0006893	3.132	0.0417226	1.044	0.1096218	3.455	4.81 ± 1.03	58.45	0.61	3.9 ± 0.2
06C3512	0.27 W	✓	0.0000260	46.330	0.0030539	0.879	0.0004413	2.911	0.0321389	0.372	0.0599783	0.905	5.12 ± 0.70	87.52	0.47	4.5 ± 0.2
06C3513	0.38 W	✓	0.0000677	18.986	0.0084622	0.598	0.0013898	1.288	0.1043685	0.283	0.1801868	0.154	4.83 ± 0.23	89.18	1.52	5.3 ± 0.2
06C3515	0.41 W	✓	0.0000438	26.934	0.0072739	0.645	0.0013207	1.543	0.1000424	0.209	0.1697993	0.265	4.93 ± 0.22	92.61	1.46	5.9 ± 0.2
06C3516	0.47 W	✓	0.0000437	29.917	0.0094734	0.595	0.0019141	0.805	0.1392778	0.184	0.2351884	0.224	5.01 ± 0.18	94.73	2.03	6.3 ± 0.3
06C3518	0.53 W	✓	0.0000720	19.231	0.0132150	0.540	0.0028991	0.814	0.2073885	0.241	0.3465242	0.147	4.93 ± 0.13	94.07	3.02	6.7 ± 0.3
06C3519	0.62 W	✓	0.0000785	16.041	0.0117915	0.575	0.0025748	0.928	0.1841874	0.209	0.3134471	0.148	4.95 ± 0.13	92.80	2.68	6.7 ± 0.3
06C3521	0.71 W	✓	0.0000959	14.574	0.0209247	0.525	0.0049134	0.599	0.3390947	0.293	0.5597901	0.173	4.92 ± 0.08	95.14	4.93	7.0 ± 0.3
06C3522	0.80 W	✓	0.0000687	15.110	0.0196853	0.542	0.0046842	0.597	0.3250827	0.179	0.5374725	0.057	5.00 ± 0.06	96.42	4.73	7.1 ± 0.3
06C3524	0.91 W	✓	0.0000988	10.918	0.0252836	0.583	0.0060562	0.436	0.4142358	0.264	0.6863516	0.088	4.98 ± 0.06	95.94	6.03	7.0 ± 0.3
06C3525	0.97 W	✓	0.0000847	13.370	0.0223593	0.766	0.0053891	0.531	0.3718230	0.275	0.6170812	0.103	5.00 ± 0.06	96.14	5.41	7.2 ± 0.3
06C3526	1.15 W	✓	0.0000781	16.842	0.0210905	0.586	0.0050005	0.636	0.3507269	0.280	0.5794671	0.067	4.98 ± 0.08	96.21	5.10	7.2 ± 0.3
06C3528	1.24 W	✓	0.0000855	16.975	0.0257019	0.535	0.0063547	0.561	0.4372111	0.377	0.7204492	0.071	4.99 ± 0.07	96.68	6.36	7.3 ± 0.3
06C3529	1.44 W	✓	0.0000687	18.063	0.0240207	0.575	0.0061591	0.586	0.4186966	0.277	0.6891727	0.072	5.02 ± 0.06	97.23	6.09	7.5 ± 0.3
06C3530	1.65 W	✓	0.0000804	18.073	0.0266958	0.547	0.0068988	0.480	0.4728794	0.251	0.7740825	0.042	4.98 ± 0.06	97.11	6.88	7.6 ± 0.3
06C3532	1.86 W	✓	0.0001013	12.314	0.0280874	0.709	0.0076173	0.517	0.5109403	0.295	0.8392002	0.051	4.97 ± 0.05	96.60	7.43	7.8 ± 0.3
06C3533	2.15 W	✓	0.0001009	12.176	0.0270718	0.546	0.0075144	0.416	0.4966350	0.222	0.8188368	0.045	4.99 ± 0.05	96.52	7.22	7.9 ± 0.3
06C3534	2.56 W	✓	0.0001151	12.297	0.0284085	0.578	0.0079131	0.421	0.5223836	0.358	0.8614503	0.084	4.97 ± 0.06	96.22	7.60	7.9 ± 0.3
06C3536	3.07 W	✓	0.0001096	11.846	0.0280743	0.520	0.0081173	0.468	0.5343732	0.277	0.8782922	0.059	4.97 ± 0.05	96.47	7.77	8.2 ± 0.3
06C3537	3.80 W	✓	0.0001159	12.037	0.0270712	0.573	0.0083258	0.437	0.5346954	0.214	0.8744992	0.116	4.93 ± 0.05	96.23	7.78	8.5 ± 0.4
06C3538	4.80 W	✓	0.0000967	13.378	0.0167941	0.553	0.0053811	0.602	0.3363743	0.319	0.5630552	0.158	4.99 ± 0.08	95.07	4.89	8.6 ± 0.4
		Σ	0.0018345	3.344	0.3992823	0.140	0.1015888	0.134	6.8748231	0.069	11.4248925	0.041				

Information on Analysis and Constants Used in Calculations

Sample = SAV-3 3E1-06
Material = K-feldspar <50µm
Location = Savai'i Island, Samoa
Analyst = Jamie Russell
Project = SAMOA
Mass Discrimination Law = LIN
Irradiation = OSU3E06
J = 0.00173520 ± 0.00000416
FCT-3 = 28.030 ± 0.003 Ma
IGSN = KOP000009
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 = Basalt
Lat-Lon = 14°05.5'S - 172°56.5'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	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (%,n)	K/Ca ± 2σ
Age Plateau	1.5879 ± 0.0051 ± 0.32%	4.98 ± 0.03 ± 0.58%	0.54 95%	99.99 21	6.5 ± 0.6
	Minimal External Error ± 0.09		1.32	2σ Confidence Limit	
	Analytical Error ± 0.02		1.0000	Error Magnification	
Total Fusion Age	1.5861 ± 0.0059 ± 0.37%	4.97 ± 0.03 ± 0.61%		22	7.4 ± 0.3
	Minimal External Error ± 0.09				
	Analytical Error ± 0.02				
Normal Isochron	1.5967 ± 0.0131 ± 0.82%	5.00 ± 0.05 ± 0.95%	0.66 86%	99.99 21	
	Minimal External Error ± 0.10		1.65	2σ Confidence Limit	
	Analytical Error ± 0.04		1.0000	Error Magnification	
Inverse Isochron	1.5913 ± 0.0140 ± 0.88%	4.99 ± 0.05 ± 1.00%	0.55 94%	99.99 21	
	Minimal External Error ± 0.10		1.65	2σ Confidence Limit	
	Analytical Error ± 0.04		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
06C3509	0.00 W		0.000047	19.46	0.000000	0.00	0.000000	26.40	0.000000	111.92	0.000086	26.40	0.000009	19.46	0.000000	0.00	0.000007	10.91	0.000000	34.30	0.000019	112.05	0.000545	10.91	0.000000	26.46	0.003075	90.65	0.014020	19.46	0.000000	0.00	0.000001	27.18
06C3510	0.21 W	✓	0.000154	12.55	0.000000	0.00	0.000001	1.28	0.000000	15.48	0.004657	1.22	0.000029	12.55	0.000000	0.00	0.000505	1.05	0.000000	21.93	0.000155	16.39	0.041719	1.04	0.000003	2.20	0.064078	10.69	0.045475	12.55	0.000000	0.00	0.000069	24.92
06C3512	0.27 W	✓	0.000025	47.85	0.000000	0.00	0.000001	0.95	0.000000	28.23	0.003054	0.88	0.000005	47.85	0.000000	0.00	0.000389	0.39	0.000000	21.92	0.000047	28.74	0.032137	0.37	0.000002	2.03	0.052494	6.85	0.007432	47.85	0.000000	0.00	0.000053	24.90
06C3513	0.38 W	✓	0.000065	19.65	0.000000	0.00	0.000002	0.70	0.000000	17.13	0.008462	0.60	0.000012	19.65	0.000000	0.00	0.001264	0.30	0.000000	21.91	0.000114	17.95	0.104363	0.28	0.000006	1.93	0.160694	2.37	0.019321	19.65	0.000000	0.00	0.000172	24.90
06C3515	0.41 W	✓	0.000042	28.20	0.000000	0.00	0.000002	0.74	0.000000	21.14	0.007274	0.65	0.000008	28.20	0.000000	0.00	0.001211	0.23	0.000000	21.91	0.000101	21.82	0.100037	0.21	0.000005	1.94	0.157259	2.24	0.012375	28.20	0.000000	0.00	0.000165	24.90
06C3516	0.47 W	✓	0.000041	31.78	0.000000	0.00	0.000003	0.70	0.000000	9.06	0.009473	0.60	0.000008	31.78	0.000000	0.00	0.001687	0.21	0.000000	21.91	0.000220	10.54	0.139271	0.18	0.000007	1.92	0.222796	1.75	0.012162	31.78	0.000000	0.00	0.000230	24.90
06C3518	0.53 W	✓	0.000068	20.24	0.000000	0.00	0.000004	0.65	0.000000	8.50	0.013215	0.54	0.000013	20.24	0.000000	0.00	0.002511	0.26	0.000000	21.91	0.000375	10.06	0.207379	0.24	0.000009	1.91	0.325971	1.26	0.020211	20.24	0.000000	0.00	0.000342	24.90
06C3519	0.62 W	✓	0.000075	16.72	0.000000	0.00	0.000003	0.68	0.000000	9.18	0.011791	0.57	0.000014	16.72	0.000000	0.00	0.002230	0.23	0.000000	21.91	0.000330	10.65	0.184179	0.21	0.000008	1.92	0.290886	1.29	0.022258	16.72	0.000000	0.00	0.000304	24.90
06C3521	0.71 W	✓	0.000090	15.49	0.000000	0.00	0.000006	0.64	0.000000	6.75	0.020925	0.53	0.000017	15.49	0.000000	0.00	0.004106	0.31	0.000001	21.91	0.000790	8.64	0.339080	0.29	0.000015	1.90	0.532562	0.80	0.026669	15.49	0.000000	0.00	0.000559	24.90
06C3522	0.80 W	✓	0.000063	16.38	0.000000	0.00	0.000005	0.66	0.000000	6.69	0.019685	0.54	0.000012	16.38	0.000000	0.00	0.003937	0.21	0.000001	21.91	0.000735	8.59	0.325069	0.18	0.000014	1.91	0.518224	0.60	0.018712	16.38	0.000000	0.00	0.000536	24.90
06C3524	0.91 W	✓	0.000092	11.73	0.000000	0.00	0.000007	0.69	0.000000	6.13	0.025284	0.58	0.000017	11.73	0.000000	0.00	0.005016	0.28	0.000001	21.91	0.001022	8.16	0.414218	0.26	0.000018	1.92	0.658491	0.49	0.027177	11.73	0.000000	0.00	0.000683	24.90
06C3525	0.97 W	✓	0.000079	14.40	0.000000	0.00	0.000006	0.85	0.000000	6.49	0.022359	0.77	0.000015	14.40	0.000000	0.00	0.004503	0.29	0.000001	21.91	0.000871	8.43	0.371807	0.27	0.000016	1.98	0.593238	0.57	0.023230	14.40	0.000000	0.00	0.000613	24.90
06C3526	1.15 W	✓	0.000072	18.17	0.000000	0.00	0.000006	0.69	0.000000	7.11	0.021091	0.59	0.000014	18.17	0.000000	0.00	0.004247	0.30	0.000001	21.91	0.000739	8.92	0.350712	0.28	0.000015	1.92	0.557511	0.70	0.021377	18.17	0.000000	0.00	0.000579	24.90
06C3528	1.24 W	✓	0.000079	18.48	0.000000	0.00	0.000007	0.65	0.000000	6.68	0.025702	0.53	0.000015	18.48	0.000000	0.00	0.005294	0.39	0.000001	21.91	0.001045	8.58	0.437193	0.38	0.000018	1.91	0.696510	0.62	0.023218	18.48	0.000000	0.00	0.000721	24.90
06C3529	1.44 W	✓	0.000062	19.96	0.000000	0.00	0.000006	0.68	0.000000	6.50	0.024021	0.58	0.000012	19.96	0.000000	0.00	0.005070	0.29	0.000001	21.91	0.001077	8.44	0.418680	0.28	0.000017	1.92	0.670116	0.55	0.018366	19.96	0.000000	0.00	0.000691	24.90
06C3530	1.65 W	✓	0.000073	19.86	0.000000	0.00	0.000007	0.66	0.000000	6.25	0.026696	0.55	0.000014	19.86	0.000000	0.00	0.005726	0.27	0.000001	21.91	0.001158	8.25	0.472861	0.25	0.000019	1.91	0.751677	0.57	0.021625	19.86	0.000000	0.00	0.000780	24.90
06C3532	1.86 W	✓	0.000094	13.32	0.000000	0.00	0.000008	0.80	0.000000	6.22	0.028087	0.71	0.000018	13.32	0.000000	0.00	0.006187	0.31	0.000001	21.91	0.001412	8.23	0.510920	0.29	0.000020	1.96	0.810687	0.46	0.027670	13.32	0.000000	0.00	0.000843	24.90
06C3533	2.15 W	✓	0.000094	13.13	0.000000	0.00	0.000007	0.66	0.000000	5.87	0.027072	0.55	0.000017	13.13	0.000000	0.00	0.006014	0.24	0.000001	21.91	0.001482	7.97	0.496616	0.22	0.000019	1.91	0.790379	0.46	0.027639	13.13	0.000000	0.00	0.000819	24.90
06C3534	2.56 W	✓	0.000107	13.18	0.000000	0.00	0.000008	0.69	0.000000	5.98	0.028408	0.58	0.000020	13.18	0.000000	0.00	0.006326	0.37	0.000001	21.91	0.001566	8.05	0.522363	0.36	0.000020	1.92	0.828872	0.51	0.031717	13.18	0.000000	0.00	0.000862	24.90
06C3536	3.07 W	✓	0.000102	12.73	0.000000	0.00	0.000008	0.64	0.000000	5.99	0.028074	0.52	0.000019	12.73	0.000000	0.00	0.006471	0.29	0.000001	21.91	0.001626	8.05	0.534353	0.28	0.000020	1.90	0.847291	0.46	0.030120	12.73	0.000000	0.00	0.000882	24.90
06C3537	3.80 W	✓	0.000109	12.86	0.000000	0.00	0.000007	0.68	0.000000	5.80	0.027071	0.57	0.000020	12.86	0.000000	0.00	0.006475	0.24	0.000001	21.91	0.001830	7.92	0.534676	0.21	0.000019	1.92	0.841553	0.51	0.032064	12.86	0.000000	0.00	0.000882	24.90
06C3538	4.80 W	✓	0.000092	14.04	0.000000	0.00	0.000005	0.67	0.000000	6.04	0.016794	0.55	0.000017	14.04	0.000000	0.00	0.004073	0.33	0.000001	21.91	0.001290	8.09	0.336362	0.32	0.000012	1.91	0.535283	0.73	0.027217	14.04	0.000000	0.00	0.000555	24.90
		Σ	0.001726	3.55	0.000000	0.00	0.000107	0.17	0.000001	1.62	0.399282	0.14	0.000323	3.55	0.000000	0.00	0.083251	0.07	0.000013	5.22	0.018003	2.14	6.874540	0.07	0.000283	0.46	10.903495	0.17	0.510054	3.55	0.000000	0.00	0.011343	6.09
		Σ							0.001834	3.34	0.399282	0.14									0.101589	0.38			6.874823	0.07							11.424892	0.23

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)
06C3509	0.00 W		5.645849	5.15469	0.010945	0.00057	20.091922	2.43127	0.157934	0.04511	0.087136	0.01943	28.696	1.76697330	1.00020338	1.108E-21
06C3510	0.21 W	✓	1.535933	0.16496	0.109553	0.00379	2.627393	0.09483	0.111623	0.00179	0.003719	0.00046	28.717	1.76770056	1.00020353	1.109E-20
06C3512	0.27 W	✓	1.633441	0.11210	0.059925	0.00054	1.866218	0.01826	0.095023	0.00091	0.000808	0.00037	28.759	1.76918024	1.00020383	6.070E-21
06C3513	0.38 W	✓	1.539767	0.03673	0.180015	0.00028	1.726448	0.00555	0.081080	0.00054	0.000648	0.00012	28.781	1.76993269	1.00020398	1.823E-20
06C3515	0.41 W	✓	1.572006	0.03532	0.169634	0.00045	1.697274	0.00572	0.072708	0.00049	0.000438	0.00012	28.822	1.77138994	1.00020427	1.718E-20
06C3516	0.47 W	✓	1.599732	0.02816	0.234959	0.00053	1.688628	0.00489	0.068018	0.00042	0.000314	0.00009	28.844	1.77214333	1.00020442	2.380E-20
06C3518	0.53 W	✓	1.571861	0.02024	0.346182	0.00052	1.670894	0.00472	0.063721	0.00038	0.000347	0.00007	28.886	1.77362673	1.00020472	3.507E-20
06C3519	0.62 W	✓	1.579363	0.02063	0.313143	0.00047	1.701783	0.00436	0.064019	0.00039	0.000426	0.00007	28.907	1.77435673	1.00020487	3.172E-20
06C3521	0.71 W	✓	1.570608	0.01334	0.559231	0.00098	1.650837	0.00562	0.061708	0.00037	0.000283	0.00004	28.951	1.77591506	1.00020518	5.665E-20
06C3522	0.80 W	✓	1.594198	0.00991	0.536936	0.00034	1.653341	0.00311	0.060555	0.00035	0.000211	0.00003	28.973	1.77667037	1.00020534	5.439E-20
06C3524	0.91 W	✓	1.589722	0.00889	0.685668	0.00063	1.656910	0.00461	0.061037	0.00039	0.000239	0.00003	29.015	1.77815756	1.00020563	6.946E-20
06C3525	0.97 W	✓	1.595552	0.01016	0.616468	0.00065	1.659610	0.00487	0.060134	0.00049	0.000228	0.00003	29.036	1.77888942	1.00020578	6.245E-20
06C3526	1.15 W	✓	1.589655	0.01199	0.578888	0.00041	1.652189	0.00475	0.060134	0.00039	0.000223	0.00004	29.057	1.77962159	1.00020593	5.864E-20
06C3528	1.24 W	✓	1.593140	0.01157	0.719728	0.00054	1.647829	0.00632	0.058786	0.00038	0.000196	0.00003	29.101	1.78116011	1.00020624	7.291E-20
06C3529	1.44 W	✓	1.600547	0.00989	0.688482	0.00052	1.645995	0.00471	0.057370	0.00037	0.000164	0.00003	29.122	1.78189321	1.00020638	6.974E-20
06C3530	1.65 W	✓	1.589638	0.00995	0.773302	0.00038	1.636955	0.00417	0.056454	0.00034	0.000170	0.00003	29.142	1.78262661	1.00020653	7.834E-20
06C3532	1.86 W	✓	1.586719	0.00865	0.838357	0.00047	1.642462	0.00491	0.054972	0.00042	0.000198	0.00002	29.185	1.78411879	1.00020683	8.493E-20
06C3533	2.15 W	✓	1.591529	0.00816	0.818017	0.00042	1.648770	0.00373	0.054510	0.00032	0.000203	0.00002	29.206	1.78485310	1.00020698	8.287E-20
06C3534	2.56 W	✓	1.586772	0.00992	0.860588	0.00076	1.649076	0.00607	0.054382	0.00037	0.000220	0.00003	29.227	1.78561221	1.00020713	8.718E-20
06C3536	3.07 W	✓	1.585638	0.00848	0.877411	0.00057	1.643593	0.00465	0.052537	0.00031	0.000205	0.00002	29.269	1.78708238	1.00020742	8.888E-20
06C3537	3.80 W	✓	1.573949	0.00863	0.873617	0.00103	1.635509	0.00398	0.050629	0.00031	0.000217	0.00003	29.290	1.78781791	1.00020757	8.850E-20
06C3538	4.80 W	✓	1.591388	0.01273	0.562500	0.00090	1.673895	0.00596	0.049927	0.00032	0.000287	0.00004	29.310	1.78855375	1.00020772	5.698E-20

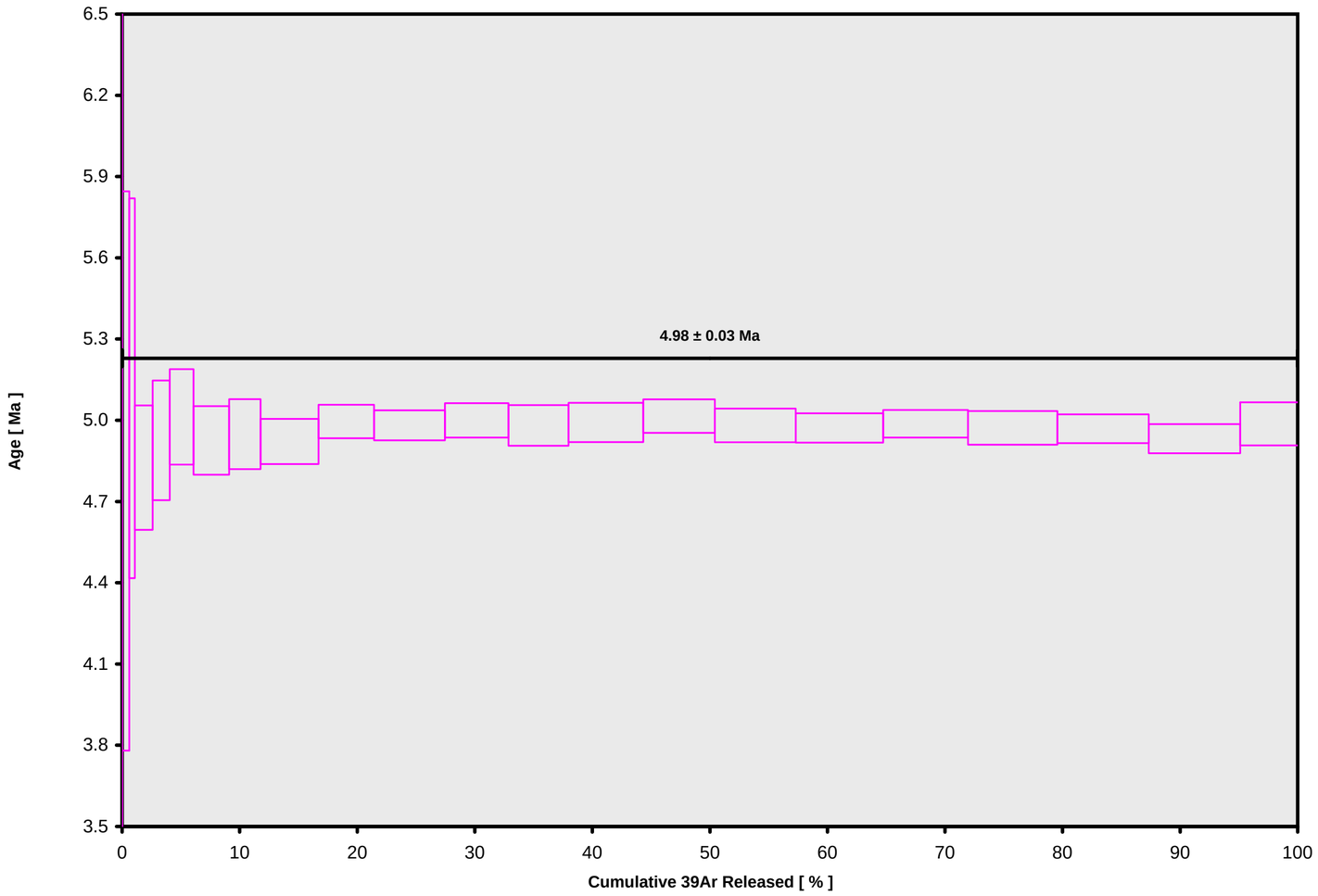
Procedure Blanks		36Ar	1σ	37Ar	1σ	38Ar	1σ	39Ar	1σ	40Ar	1σ
06C3509	0.00 W	0.000013	0.000006	0.000018	0.000007	0.000022	0.000020	0.000009	0.000015	0.005425	0.000030
06C3510	0.21 W	0.000019	0.000010	0.000037	0.000008	0.000008	0.000008	0.000240	0.000042	0.007481	0.000224
06C3512	0.27 W	0.000026	0.000010	0.000028	0.000008	0.000008	0.000008	0.000106	0.000041	0.006068	0.000219
06C3513	0.38 W	0.000027	0.000010	0.000025	0.000008	0.000011	0.000008	0.000070	0.000041	0.005612	0.000216
06C3515	0.41 W	0.000027	0.000010	0.000019	0.000007	0.000012	0.000008	0.000041	0.000040	0.005104	0.000212
06C3516	0.47 W	0.000025	0.000010	0.000017	0.000007	0.000011	0.000008	0.000041	0.000040	0.004987	0.000211
06C3518	0.53 W	0.000022	0.000010	0.000015	0.000007	0.000009	0.000008	0.000058	0.000039	0.004945	0.000208
06C3519	0.62 W	0.000021	0.000010	0.000015	0.000007	0.000007	0.000008	0.000070	0.000039	0.004981	0.000207
06C3521	0.71 W	0.000018	0.000010	0.000015	0.000007	0.000004	0.000008	0.000095	0.000039	0.005104	0.000206
06C3522	0.80 W	0.000018	0.000010	0.000016	0.000007	0.000003	0.000008	0.000104	0.000039	0.005161	0.000206
06C3524	0.91 W	0.000018	0.000010	0.000018	0.000007	0.000001	0.000008	0.000112	0.000039	0.005225	0.000206
06C3525	0.97 W	0.000018	0.000010	0.000019	0.000007	0.000001	0.000008	0.000110	0.000039	0.005222	0.000207
06C3526	1.15 W	0.000019	0.000010	0.000020	0.000007	0.000001	0.000008	0.000105	0.000039	0.005192	0.000207
06C3528	1.24 W	0.000022	0.000010	0.000023	0.000007	0.000004	0.000008	0.000088	0.000040	0.005043	0.000210
06C3529	1.44 W	0.000023	0.000010	0.000024	0.000007	0.000006	0.000008	0.000078	0.000040	0.004935	0.000211
06C3530	1.65 W	0.000024	0.000010	0.000025	0.000007	0.000008	0.000008	0.000070	0.000040	0.004810	0.000213
06C3532	1.86 W	0.000023	0.000010	0.000025	0.000008	0.000014	0.000008	0.000064	0.000041	0.004534	0.000217
06C3533	2.15 W	0.000022	0.000010	0.000024	0.000008	0.000017	0.000008	0.000071	0.000042	0.004407	0.000220
06C3534	2.56 W	0.000018	0.000010	0.000023	0.000008	0.000020	0.000008	0.000089	0.000042	0.004300	0.000223
06C3536	3.07 W	0.000006	0.000011	0.000018	0.000008	0.000026	0.000008	0.000169	0.000043	0.004221	0.000228
06C3537	3.80 W	0.000006	0.000011	0.000014	0.000008	0.000028	0.000008	0.000237	0.000044	0.004280	0.000232
06C3538	4.80 W	0.000006	0.000011	0.000008	0.000008	0.000030	0.000008	0.000330	0.000044	0.004431	0.000235

Intercept Values		36Ar	1σ	r2		37Ar	1σ	r2		38Ar	1σ	r2		39Ar	1σ	r2		40Ar	1σ	r2	
06C3509	0.00 W	0.000060	0.000007	0.9552	LIN #	0.000066	0.000011	0.9852	LIN # 1	0.000056	0.000008	0.9632	LIN #	0.000547	0.000057	0.9986	LIN #	0.016139	0.000565	0.9982	LIN #
06C3510	0.21 W	0.000174	0.000016	0.9919	LIN #	0.002663	0.000028	0.9935	LIN #	0.000693	0.000020	0.9920	LIN #	0.041514	0.000424	0.9962	LIN #	0.115441	0.003727	0.9968	LIN #
06C3512	0.27 W	0.000052	0.000007	0.9742	LIN #	0.001749	0.000010	0.9817	LIN #	0.000446	0.000010	0.9598	LIN #	0.031898	0.000099	0.9950	LIN # 2	0.065102	0.000490	0.9988	LIN #
06C3513	0.38 W	0.000094	0.000008	0.9815	LIN #	0.004790	0.000015	0.9397	LIN #	0.001390	0.000015	0.9426	LIN #	0.103293	0.000237	0.9287	LIN # 1 7	0.183107	0.000170	0.9999	EXP # 7
06C3515	0.41 W	0.000070	0.000007	0.9546	LIN #	0.004113	0.000016	0.1902	LIN #	0.001324	0.000018	0.6465	LIN #	0.099005	0.000127	0.8864	LIN # 4	0.172403	0.000390	0.9979	EXP #
06C3516	0.47 W	0.000069	0.000009	0.9299	LIN #	0.005346	0.000017	0.3057	LIN #	0.001912	0.000011	0.6359	LIN #	0.137819	0.000118	0.9909	LIN # 1 4 6	0.236743	0.000475	0.9975	LIN # 3 8
06C3518	0.53 W	0.000094	0.000010	0.8947	LIN #	0.007441	0.000016	0.8905	LIN #	0.002888	0.000020	0.0282	LIN #	0.205172	0.000368	0.9796	LIN # 8	0.346378	0.000457	0.9948	LIN #
06C3519	0.62 W	0.000099	0.000008	0.9075	LIN #	0.006637	0.000019	0.8672	LIN #	0.002564	0.000021	0.0050	LIN #	0.182219	0.000243	0.9816	LIN #	0.313784	0.000410	0.9930	LIN #
06C3521	0.71 W	0.000114	0.000010	0.8795	LIN #	0.011755	0.000023	0.9680	LIN #	0.004881	0.000023	0.7980	LIN #	0.335371	0.000822	0.9759	LIN #	0.556546	0.000932	0.8478	LIN # 3
06C3522	0.80 W	0.000086	0.000004	0.9767	LIN # 8	0.011055	0.000026	0.9593	LIN # 11	0.004652	0.000022	0.7746	LIN #	0.321526	0.000255	0.9961	LIN #	0.534615	0.000225	0.4867	LIN # 1
06C3524	0.91 W	0.000116	0.000005	0.9556	LIN #	0.014189	0.000046	0.9580	LIN # 7 12	0.006015	0.000016	0.9762	LIN # 2 5	0.409804	0.000857	0.9792	LIN #	0.681558	0.000563	0.9526	LIN # 4 10
06C3525	0.97 W	0.000103	0.000006	0.9243	LIN #	0.012544	0.000074	0.8457	LIN # 4	0.005351	0.000021	0.9115	LIN # 4	0.367782	0.000820	0.9788	LIN #	0.613167	0.000589	0.9674	LIN #
06C3526	1.15 W	0.000097	0.000009	0.7722	LIN #	0.011826	0.000038	0.9567	LIN # 5	0.004964	0.000026	0.8037	LIN #	0.346814	0.000795	0.9763	LIN #	0.575906	0.000320	0.9915	LIN # 5
06C3528	1.24 W	0.000107	0.000011	0.6482	LIN #	0.014397	0.000032	0.9728	LIN #	0.006311	0.000028	0.9034	LIN #	0.432291	0.001474	0.9598	LIN # 2	0.714630	0.000462	0.9940	LIN # 6
06C3529	1.44 W	0.000091	0.000008	0.8436	LIN #	0.013454	0.000041	0.9270	LIN # 12	0.006119	0.000029	0.8928	LIN #	0.414019	0.000937	0.9779	LIN # 5	0.683783	0.000439	0.9903	EXP #
06C3530	1.65 W	0.000104	0.000011	0.6517	LIN #	0.014949	0.000038	0.9703	LIN # 3	0.006857	0.000023	0.9380	LIN #	0.467717	0.000904	0.9856	LIN #	0.767533	0.000245	0.9987	LIN #
06C3532	1.86 W	0.000124	0.000007	0.7254	LIN #	0.015719	0.000081	0.9287	LIN # 1	0.007579	0.000030	0.9295	LIN #	0.505500	0.001251	0.9793	LIN #	0.831675	0.000360	0.9984	LIN #
06C3533	2.15 W	0.000122	0.000007	0.7424	LIN #	0.015144	0.000038	0.9796	LIN #	0.007479	0.000018	0.9784	LIN #	0.491355	0.000753	0.9914	LIN #	0.811478	0.000289	0.9989	LIN #
06C3534	2.56 W	0.000133	0.000010	0.5765	LIN #	0.015884	0.000050	0.9597	LIN #	0.007879	0.000020	0.9728	LIN #	0.516896	0.001656	0.9721	LIN # 2	0.853460	0.000683	0.9938	LIN #
06C3536	3.07 W	0.000116	0.000008	0.8058	LIN #	0.015680	0.000029	0.9896	LIN # 1	0.008088	0.000026	0.9418	LIN # 7	0.528835	0.001192	0.9846	LIN #	0.869985	0.000463	0.9979	LIN #
06C3537	3.80 W	0.000122	0.000009	0.6737	LIN #	0.015108	0.000046	0.9544	LIN #	0.008297	0.000023	0.9699	EXP #	0.529169	0.000751	0.9952	LIN # 4	0.866219	0.000970	0.9917	LIN #
06C3538	4.80 W	0.000103	0.000007	0.6872	LIN #	0.009370	0.000024	0.9719	LIN #	0.005375	0.000026	0.9245	LIN #	0.333109	0.000916	0.9766	LIN # 6	0.559430	0.000846	0.9800	LIN #

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
06C3509	0.00 W	SAV-3 3E1-06	K-feldspar <50µm	Savai'i Island, Samoa	Jamie Russell	0	28.03	0.01	0.0017352	0.24	1.00378	0.16	1.0144	1.012E-19	25	OCT	2006	07	10	001	OSU3E06	Samoa	06C3509	01	FCT-3
06C3510	0.21 W	SAV-3 3E1-06	K-feldspar <50µm	Savai'i Island, Samoa	Jamie Russell	0.21	28.03	0.01	0.0017352	0.24	1.00378	0.16	1.0144	1.012E-19	25	OCT	2006	07	40	001	OSU3E06	Samoa	06C3509	01	FCT-3
06C3512	0.27 W	SAV-3 3E1-06	K-feldspar <50µm	Savai'i Island, Samoa	Jamie Russell	0.27	28.03	0.01	0.0017352	0.24	1.00378	0.16	1.0145	1.012E-19	25	OCT	2006	08	41	001	OSU3E06	Samoa	06C3509	01	FCT-3
06C3513	0.38 W	SAV-3 3E1-06	K-feldspar <50µm	Savai'i Island, Samoa	Jamie Russell	0.38	28.03	0.01	0.0017352	0.24	1.00378	0.16	1.0147	1.012E-19	25	OCT	2006	09	12	001	OSU3E06	Samoa	06C3509	01	FCT-3
06C3515	0.41 W	SAV-3 3E1-06	K-feldspar <50µm	Savai'i Island, Samoa	Jamie Russell	0.41	28.03	0.01	0.0017352	0.24	1.00378	0.16	1.0145	1.012E-19	25	OCT	2006	10	12	001	OSU3E06	Samoa	06C3509	01	FCT-3
06C3516	0.47 W	SAV-3 3E1-06	K-feldspar <50µm	Savai'i Island, Samoa	Jamie Russell	0.47	28.03	0.01	0.0017352	0.24	1.00378	0.16	1.0145	1.012E-19	25	OCT	2006	10	43	001	OSU3E06	Samoa	06C3509	01	FCT-3
06C3518	0.53 W	SAV-3 3E1-06	K-feldspar <50µm	Savai'i Island, Samoa	Jamie Russell	0.53	28.03	0.01	0.0017352	0.24	1.00378	0.16	1.0147	1.012E-19	25	OCT	2006	11	44	001	OSU3E06	Samoa	06C3509	01	FCT-3
06C3519	0.62 W	SAV-3 3E1-06	K-feldspar <50µm	Savai'i Island, Samoa	Jamie Russell	0.62	28.03	0.01	0.0017352	0.24	1.00378	0.16	1.0148	1.012E-19	25	OCT	2006	12	14	001	OSU3E06	Samoa	06C3509	01	FCT-3
06C3521	0.71 W	SAV-3 3E1-06	K-feldspar <50µm	Savai'i Island, Samoa	Jamie Russell	0.71	28.03	0.01	0.0017352	0.24	1.00378	0.16	1.015	1.012E-19	25	OCT	2006	13	18	001	OSU3E06	Samoa	06C3509	01	FCT-3
06C3522	0.80 W	SAV-3 3E1-06	K-feldspar <50µm	Savai'i Island, Samoa	Jamie Russell	0.8	28.03	0.01	0.0017352	0.24	1.00378	0.16	1.015	1.012E-19	25	OCT	2006	13	49	001	OSU3E06	Samoa	06C3509	01	FCT-3
06C3524	0.91 W	SAV-3 3E1-06	K-feldspar <50µm	Savai'i Island, Samoa	Jamie Russell	0.91	28.03	0.01	0.0017352	0.24	1.00378	0.16	1.0147	1.012E-19	25	OCT	2006	14	50	001	OSU3E06	Samoa	06C3509	01	FCT-3
06C3525	0.97 W	SAV-3 3E1-06	K-feldspar <50µm	Savai'i Island, Samoa	Jamie Russell	0.97	28.03	0.01	0.0017352	0.24	1.00378	0.16	1.0149	1.012E-19	25	OCT	2006	15	20	001	OSU3E06	Samoa	06C3509	01	FCT-3
06C3526	1.15 W	SAV-3 3E1-06	K-feldspar <50µm	Savai'i Island, Samoa	Jamie Russell	1.15	28.03	0.01	0.0017352	0.24	1.00378	0.16	1.0152	1.012E-19	25	OCT	2006	15	50	001	OSU3E06	Samoa	06C3509	01	FCT-3
06C3528	1.24 W	SAV-3 3E1-06	K-feldspar <50µm	Savai'i Island, Samoa	Jamie Russell	1.24	28.03	0.01	0.0017352	0.24	1.00378	0.16	1.0152	1.012E-19	25	OCT	2006	16	53	001	OSU3E06	Samoa	06C3509	01	FCT-3
06C3529	1.44 W	SAV-3 3E1-06	K-feldspar <50µm	Savai'i Island, Samoa	Jamie Russell	1.44	28.03	0.01	0.0017352	0.24	1.00378	0.16	1.0151	1.012E-19	25	OCT	2006	17	23	001	OSU3E06	Samoa	06C3509	01	FCT-3
06C3530	1.65 W	SAV-3 3E1-06	K-feldspar <50µm	Savai'i Island, Samoa	Jamie Russell	1.65	28.03	0.01	0.0017352	0.24	1.00378	0.16	1.0148	1.012E-19	25	OCT	2006	17	53	001	OSU3E06	Samoa	06C3509	01	FCT-3
06C3532	1.86 W	SAV-3 3E1-06	K-feldspar <50µm	Savai'i Island, Samoa	Jamie Russell	1.86	28.03	0.01	0.0017352	0.24	1.00378	0.16	1.0145	1.012E-19	25	OCT	2006	18	54	001	OSU3E06	Samoa	06C3509	01	FCT-3
06C3533	2.15 W	SAV-3 3E1-06	K-feldspar <50µm	Savai'i Island, Samoa	Jamie Russell	2.15	28.03	0.01	0.0017352	0.24	1.00378	0.16	1.0145	1.012E-19	25	OCT	2006	19	24	001	OSU3E06	Samoa	06C3509	01	FCT-3
06C3534	2.56 W	SAV-3 3E1-06	K-feldspar <50µm	Savai'i Island, Samoa	Jamie Russell	2.56	28.03	0.01	0.0017352	0.24	1.00378	0.16	1.0144	1.012E-19	25	OCT	2006	19	55	001	OSU3E06	Samoa	06C3509	01	FCT-3
06C3536	3.07 W	SAV-3 3E1-06	K-feldspar <50µm	Savai'i Island, Samoa	Jamie Russell	3.07	28.03	0.01	0.0017352	0.24	1.00378	0.16	1.0144	1.012E-19	25	OCT	2006	20	55	001	OSU3E06	Samoa	06C3509	01	FCT-3
06C3537	3.80 W	SAV-3 3E1-06	K-feldspar <50µm	Savai'i Island, Samoa	Jamie Russell	3.8	28.03	0.01	0.0017352	0.24	1.00378	0.16	1.0145	1.012E-19	25	OCT	2006	21	25	001	OSU3E06	Samoa	06C3509	01	FCT-3
06C3538	4.80 W	SAV-3 3E1-06	K-feldspar <50µm	Savai'i Island, Samoa	Jamie Russell	4.8	28.03	0.01	0.0017352	0.24	1.00378	0.16	1.0144	1.012E-19	25	OCT	2006	21	55	001	OSU3E06	Samoa	06C3509	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
06C3509	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
06C3510	0.21 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
06C3512	0.27 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
06C3513	0.38 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
06C3515	0.41 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
06C3516	0.47 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
06C3518	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
06C3519	0.62 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
06C3521	0.71 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
06C3522	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
06C3524	0.91 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
06C3525	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
06C3526	1.15 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
06C3528	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
06C3529	1.44 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
06C3530	1.65 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
06C3532	1.86 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
06C3533	2.15 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
06C3534	2.56 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
06C3536	3.07 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
06C3537	3.80 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
06C3538	4.80 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

06C3509.AGE >>> SAV-3 3E1-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
4.98 ± 0.03
TOTAL FUSION
4.97 ± 0.03
NORMAL ISOCHRON
5.00 ± 0.05
INVERSE ISOCHRON
4.99 ± 0.05

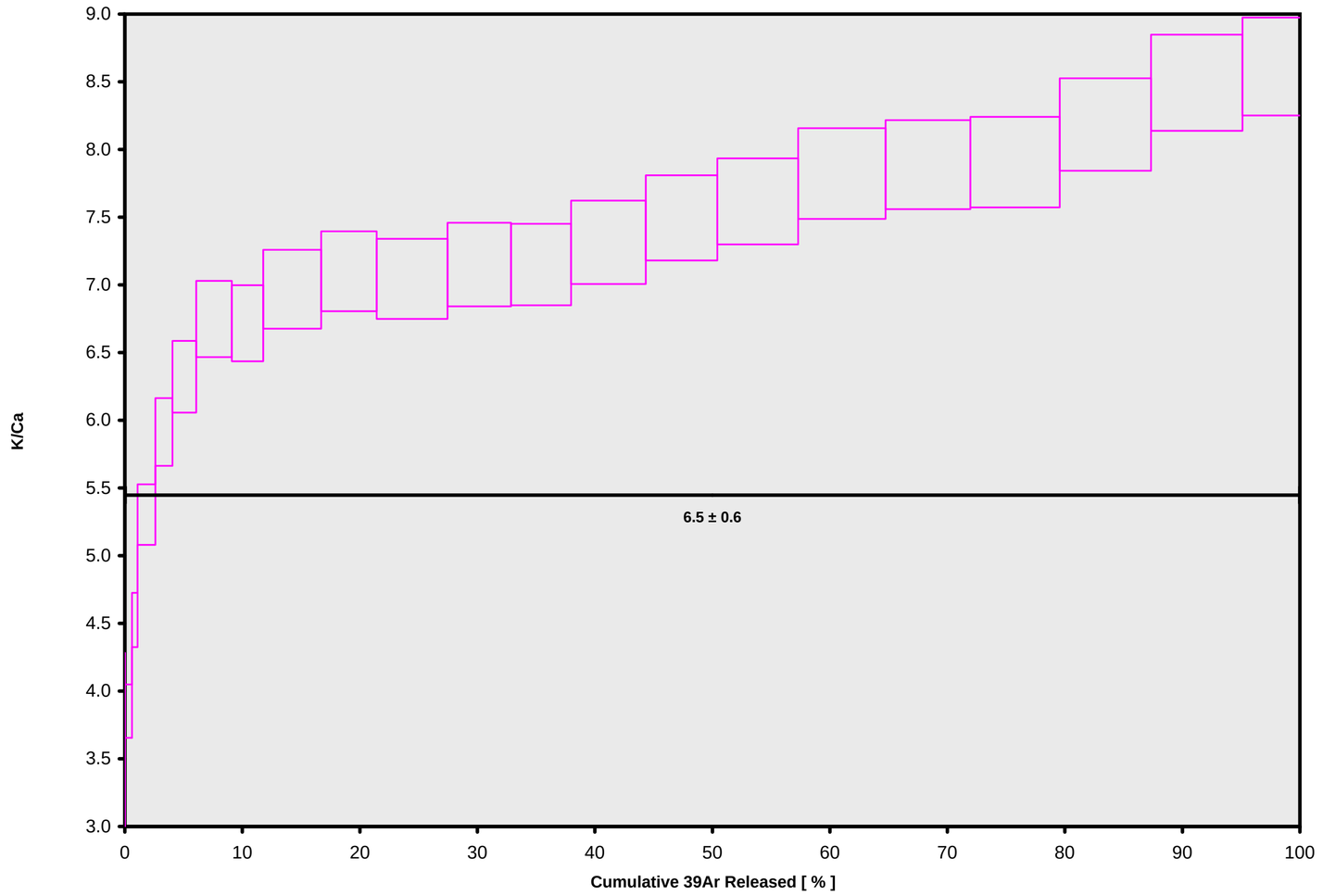
MSWD (PROBABILITY)
0.54 (95%)

Sample Info

K-feldspar <50µm
Savai'i Island, Samoa
Jamie Russell

IRR = OSU3E06
J = 0.00173520 ± 0.00000416

06C3509.AGE >>> SAV-3 3E1-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
4.98 ± 0.03
TOTAL FUSION
4.97 ± 0.03
NORMAL ISOCHRON
5.00 ± 0.05
INVERSE ISOCHRON
4.99 ± 0.05

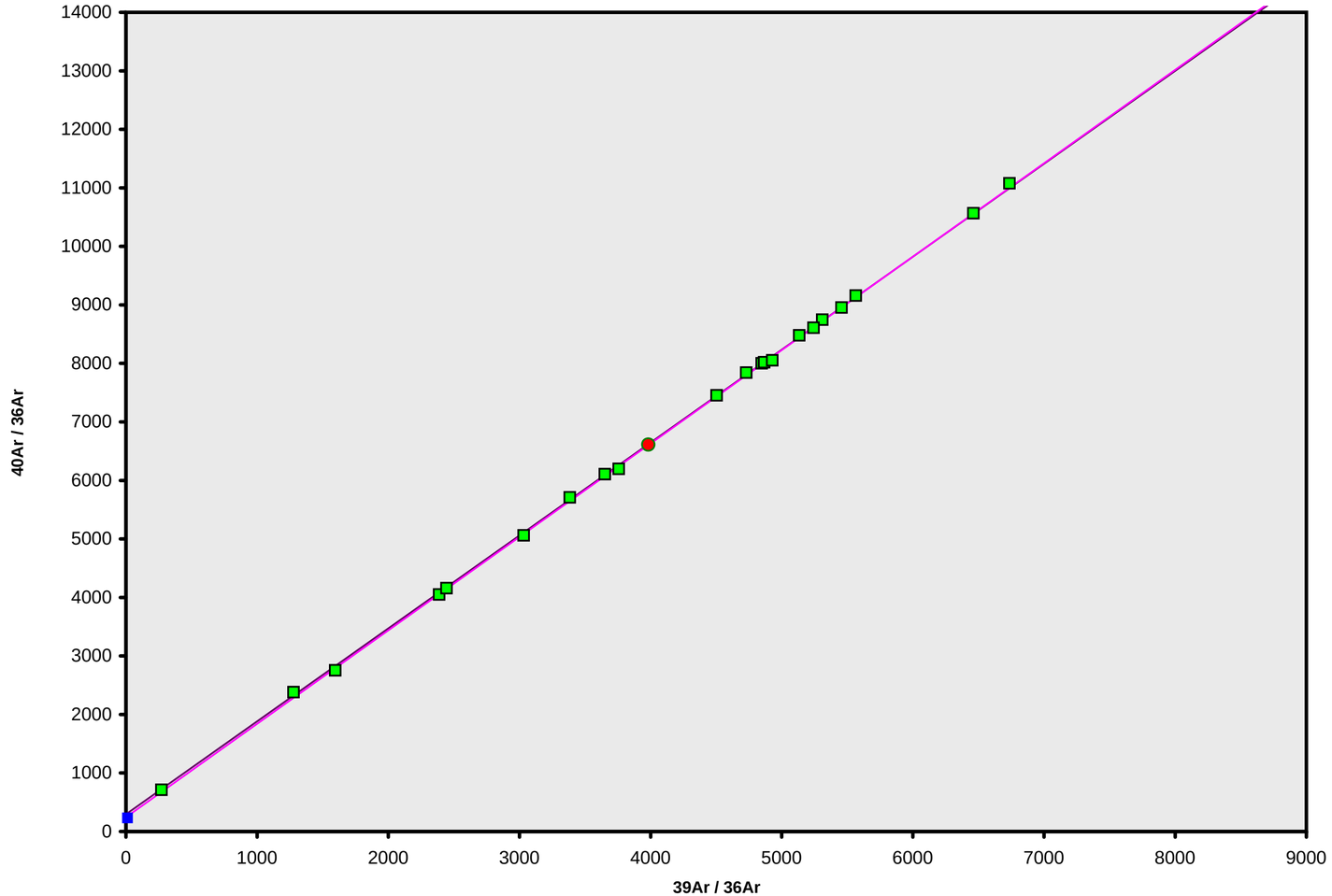
Sample Info

K-feldspar <50µm
Savai'i Island, Samoa
Jamie Russell

IRR = OSU3E06
J = 0.00173520 ± 0.00000416

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

06C3509.AGE >>> SAV-3 3E1-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
4.98 ± 0.03
TOTAL FUSION
4.97 ± 0.03
NORMAL ISOCHRON
5.00 ± 0.05
INVERSE ISOCHRON
4.99 ± 0.05

MSWD (PROBABILITY)
0.66 (86%)

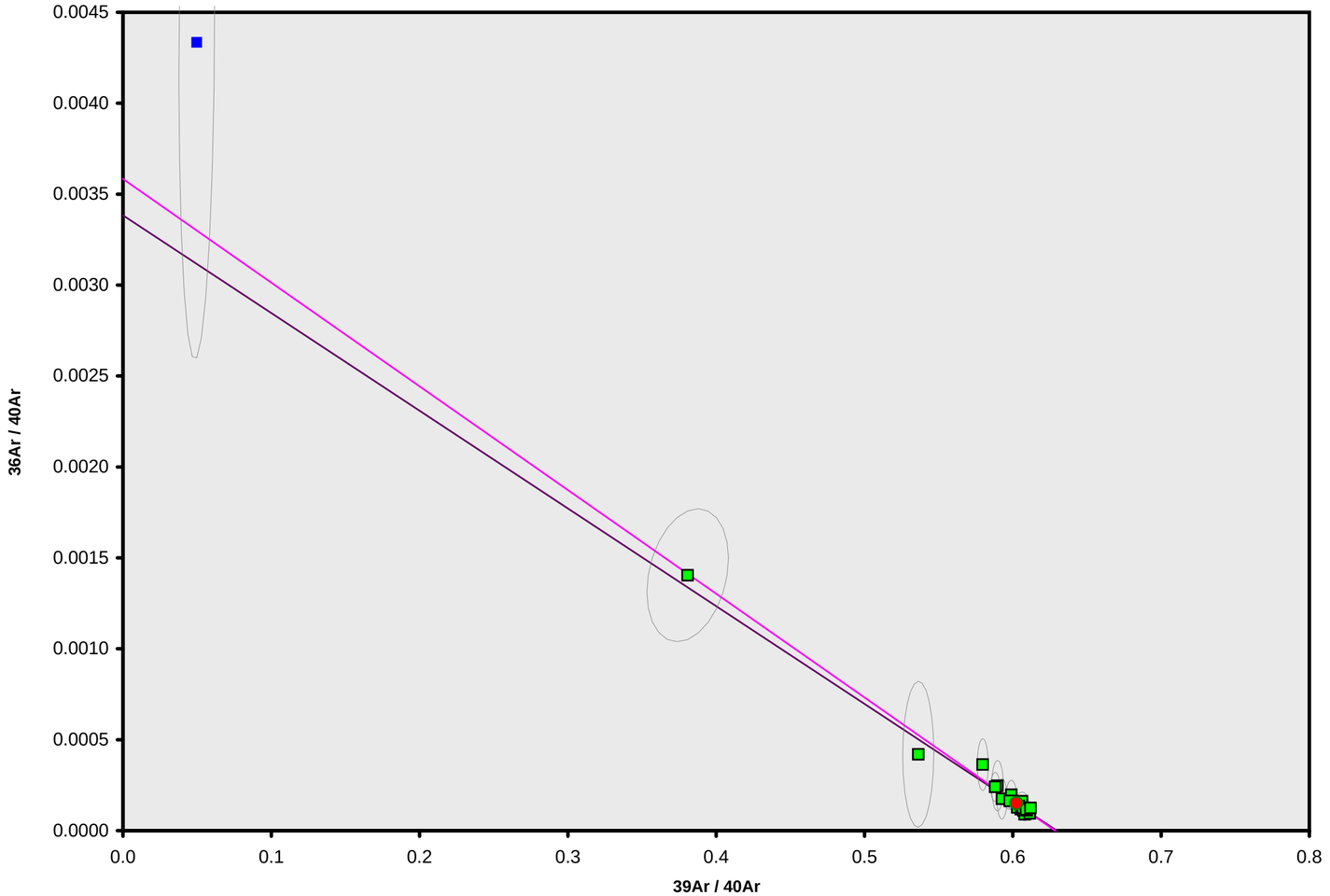
40AR/36AR INTERCEPT
244.9 ± 58.1

Sample Info

K-feldspar <50µm
Savai'i Island, Samoa
Jamie Russell

IRR = OSU3E06
J = 0.00173520 ± 0.00000416

06C3509.AGE >>> SAV-3 3E1-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
4.98 ± 0.03
TOTAL FUSION
4.97 ± 0.03
NORMAL ISOCHRON
5.00 ± 0.05
INVERSE ISOCHRON
4.99 ± 0.05

MSWD (PROBABILITY)
0.55 (94%)

SPREADING FACTOR
36.8%

40AR/36AR INTERCEPT
279.1 ± 66.0

Sample Info

K-feldspar <50µm
Savai'i Island, Samoa
Jamie Russell

IRR = OSU3E06
J = 0.00173520 ± 0.00000416