Institute of Geophysics and Planetary Physics
Scripps Institution of Oceanography, La Jolla, USA

Incremental Heating			36Ar(a)	37Ar(ca)	38Ar(cl)	39Ar(k)	40Ar(r)	Age ± 2σ (Ma)	40Ar(r) (%)	39Ar(k) (%)	K/Ca ± 2σ
06C3034	0.00 W		0.002569	0.000859	0.000000	0.000528	0.006563	41.55 ± 94.34	0.86	0.01	0.26 ± 0.04
06C3035	0.01 W		0.002287	0.001203	0.000008	0.001411	0.011296	26.88 ± 33.92	1.64	0.02	0.50 ± 0.06
06C3037	0.09 W		0.001524	0.002369	0.000003	0.003004	0.008462	9.50 ± 11.62	1.84	0.04	0.55 ± 0.04
06C3038	0.10 W		0.000980	0.003042	0.000014	0.004915	0.010647	7.31 ± 6.22	3.55	0.07	0.69 ± 0.05
06C3039	0.18 W		0.000664	0.005374	0.000007	0.010949	0.021999	6.79 ± 2.37	10.08	0.16	0.88 ± 0.05
06C3041	0.21 W		0.000413	0.005957	0.000000	0.014111	0.024102	5.77 ± 1.63	16.51	0.21	1.02 ± 0.05
06C3042	0.27 W		0.000407	0.010118	0.000024	0.026248	0.044150	5.68 ± 0.93	26.82	0.39	1.12 ± 0.05
06C3043	0.29 W		0.000308	0.014176	0.000005	0.041257	0.072024	5.90 ± 0.57	44.16	0.61	1.25 ± 0.06
06C3045	0.38 W		0.000282	0.024857	0.000017	0.078301	0.129214	5.57 ± 0.28	60.74	1.16	1.35 ± 0.06
06C3046	0.44 W		0.000237	0.041997	0.000003	0.142966	0.225810	5.34 ± 0.16	76.30	2.11	1.46 ± 0.06
06C3047	0.56 W		0.000163	0.054252	0.000000	0.198774	0.311553	5.29 ± 0.13	86.53	2.93	1.58 ± 0.07
06C3049	0.71 W		0.000164	0.076852	0.000000	0.297380	0.455859	5.18 ± 0.08	90.33	4.39	1.66 ± 0.07
06C3050	0.88 W		0.000142	0.099342	0.000000	0.393063	0.600695	5.16 ± 0.06	93.39	5.80	1.70 ± 0.07
06C3051	0.97 W	✓	0.000136	0.107474	0.000010	0.452978	0.687635	5.13 ± 0.05	94.37	6.69	1.81 ± 0.08
06C3053	1.12 W	✓	0.000111	0.116915	0.000000	0.521654	0.785521	5.09 ± 0.05	95.89	7.70	1.92 ± 0.08
06C3054	1.27 W	✓	0.000128	0.154288	0.000077	0.677932	1.017717	5.07 ± 0.04	96.32	10.01	1.89 ± 0.08
06C3055	1.44 W	✓	0.000078	0.121106	0.000075	0.532451	0.800707	5.08 ± 0.04	97.10	7.86	1.89 ± 0.08
06C3057	1.62 W	✓	0.000086	0.119902	0.000055	0.512446	0.768109	5.06 ± 0.05	96.70	7.57	1.84 ± 0.08
06C3058	1.77 W	✓	0.000103	0.138285	0.000110	0.502185	0.749749	5.04 ± 0.05	96.00	7.41	1.56 ± 0.07
06C3059	1.92 W	✓	0.000133	0.176963	0.000084	0.491077	0.730769	5.03 ± 0.06	94.81	7.25	1.19 ± 0.05
06C3061	2.12 W	✓	0.000149	0.242517	0.000192	0.500261	0.746357	5.04 ± 0.06	94.32	7.39	0.89 ± 0.04
06C3062	2.45 W	✓	0.000162	0.283860	0.000227	0.437867	0.651115	5.02 ± 0.06	93.05	6.46	0.66 ± 0.03
06C3063	2.71 W		0.000146	0.208816	0.000124	0.298582	0.438241	4.96 ± 0.07	90.96	4.41	0.61 ± 0.03
06C3065	3.12 W		0.000137	0.202430	0.000092	0.240831	0.348073	4.88 ± 0.10	89.46	3.56	0.51 ± 0.02
06C3066	3.57 W		0.000066	0.097266	0.000109	0.120922	0.177792	4.97 ± 0.20	89.99	1.79	0.53 ± 0.02
06C3067	4.60 W		0.000174	0.333763	0.000259	0.271123	0.399339	4.98 ± 0.08	88.52	4.00	0.35 ± 0.01
		Σ	0.011748	2.643982	0.001496	6.773219	10.223497				

Information on Analysis

Sample = SAV-1 2F15-06
Material = Groundmass 210-300µm
Location = Savai'i Island, Samoa
Analyst = Jamie Russell
Project = SAMOA
Mass Discrimination Law = LIN
Irradiation = OSU2F06
J = 0.00187090 ± 0.00000655
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	1.4993 ± 0.0062	5.07 ± 0.04	1.60	68.34	1.12 ± 0.34
Error Mean	± 0.42%	± 0.81%	12%	9	
	Minimal External Error ± 0.10		1.50	2σ Confidence Limit	
	Analytical Error ± 0.02		1.2632	Error Magnification	
Total Fusion Age	1.5094 ± 0.0062	5.10 ± 0.04		26	1.10 ± 0.04
	± 0.41%	± 0.81%			
	Minimal External Error ± 0.10				
	Analytical Error ± 0.02				

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
06C3034	0.00 W		0.2 ± 0.0	298.1 ± 5.9	0.3120
06C3035	0.01 W		0.6 ± 0.0	300.4 ± 6.4	0.4852
06C3037	0.09 W		2.0 ± 0.1	301.1 ± 6.9	0.7480
06C3038	0.10 W		5.0 ± 0.2	306.4 ± 9.6	0.9135
06C3039	0.18 W		16.5 ± 0.7	328.6 ± 12.8	0.9730
06C3041	0.21 W		34.2 ± 1.9	353.9 ± 19.8	0.9832
06C3042	0.27 W		64.4 ± 3.9	403.9 ± 24.3	0.9967
06C3043	0.29 W		134.0 ± 10.2	529.4 ± 40.4	0.9977
06C3045	0.38 W		277.5 ± 21.5	753.4 ± 58.4	0.9980
06C3046	0.44 W		604.4 ± 56.3	1250.1 ± 116.3	0.9983
06C3047	0.56 W		1219.4 ± 180.7	2206.7 ± 326.9	0.9991
06C3049	0.71 W		1818.3 ± 255.5	3082.8 ± 432.9	0.9991
06C3050	0.88 W		2772.3 ± 389.2	4532.3 ± 635.9	0.9992
06C3051	0.97 W	✓	3325.6 ± 520.4	5343.9 ± 836.0	0.9996
06C3053	1.12 W		4699.1 ± 1100.8	7371.5 ± 1726.5	0.9998
06C3054	1.27 W	✓	5309.7 ± 1027.2	8266.4 ± 1598.9	0.9998
06C3055	1.44 W	✓	6827.8 ± 1862.7	10563.3 ± 2881.5	0.9999
06C3057	1.62 W	✓	5962.8 ± 1606.4	9233.1 ± 2487.2	0.9999
06C3058	1.77 W	✓	4879.6 ± 1052.7	7580.6 ± 1635.2	0.9999
06C3059	1.92 W	✓	3699.2 ± 707.8	5800.3 ± 1109.7	0.9997
06C3061	2.12 W	✓	3353.7 ± 570.6	5298.9 ± 901.3	0.9996
06C3062	2.45 W	✓	2702.1 ± 380.7	4313.6 ± 607.4	0.9995
06C3063	2.71 W		2048.3 ± 274.2	3301.8 ± 441.9	0.9995
06C3065	3.12 W		1752.5 ± 307.1	2828.4 ± 495.6	0.9997
06C3066	3.57 W		1825.7 ± 646.1	2979.9 ± 1054.5	0.9999
06C3067	4.60 W		1560.2 ± 193.4	2593.6 ± 321.3	0.9993

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	253.3483 ± 87.8011 ± 34.66%	1.5069 ± 0.0212 ± 1.41%	5.09 ± 0.08 ± 1.57%	1.82 9%
		Minimal External Error	± 0.12	
		Analytical Error	± 0.07	

Statistics				
2σ Confidence Limit	2.15	Convergence	0.0000079351
Error Magnification	1.3478	Number of Iterations	1
Number of Data Points	8	Calculated Line	Weighted York-2

Inverse Isochron			39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
06C3034	0.00 W		0.000690 ± 0.000042	0.003355 ± 0.000067	0.0012
06C3035	0.01 W		0.002054 ± 0.000078	0.003328 ± 0.000071	0.0051
06C3037	0.09 W		0.006548 ± 0.000132	0.003322 ± 0.000076	0.0115
06C3038	0.10 W		0.016376 ± 0.000228	0.003264 ± 0.000102	0.0047
06C3039	0.18 W		0.050160 ± 0.000459	0.003043 ± 0.000119	0.0534
06C3041	0.21 W		0.096645 ± 0.000994	0.002825 ± 0.000158	0.0548
06C3042	0.27 W		0.159514 ± 0.000783	0.002476 ± 0.000149	0.0188
06C3043	0.29 W		0.253073 ± 0.001325	0.001889 ± 0.000144	0.0298
06C3045	0.38 W		0.368287 ± 0.001803	0.001327 ± 0.000103	0.0188
06C3046	0.44 W		0.483466 ± 0.002607	0.000800 ± 0.000074	0.0067
06C3047	0.56 W		0.552576 ± 0.003517	0.000453 ± 0.000067	0.0114
06C3049	0.71 W		0.589821 ± 0.003460	0.000324 ± 0.000046	0.0037
06C3050	0.88 W		0.611684 ± 0.003402	0.000221 ± 0.000031	0.0051
06C3051	0.97 W	✓	0.622321 ± 0.002659	0.000187 ± 0.000029	0.0017
06C3053	1.12 W		0.637466 ± 0.002826	0.000136 ± 0.000032	0.0018
06C3054	1.27 W	✓	0.642318 ± 0.002430	0.000121 ± 0.000023	0.0018
06C3055	1.44 W	✓	0.646374 ± 0.002267	0.000095 ± 0.000026	0.0011
06C3057	1.62 W	✓	0.645801 ± 0.002611	0.000108 ± 0.000029	0.0029
06C3058	1.77 W	✓	0.643695 ± 0.002329	0.000132 ± 0.000028	0.0025
06C3059	1.92 W	✓	0.637765 ± 0.002759	0.000172 ± 0.000033	0.0038
06C3061	2.12 W	✓	0.632893 ± 0.003130	0.000189 ± 0.000032	0.0033
06C3062	2.45 W	✓	0.626420 ± 0.002673	0.000232 ± 0.000033	0.0034
06C3063	2.71 W		0.620344 ± 0.002513	0.000303 ± 0.000041	0.0055
06C3065	3.12 W		0.619611 ± 0.002448	0.000354 ± 0.000062	0.0063
06C3066	3.57 W		0.612684 ± 0.003459	0.000336 ± 0.000119	0.0044
06C3067	4.60 W		0.601577 ± 0.002700	0.000386 ± 0.000048	0.0054

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	310.9881 ± 114.1294	1.4951 ± 0.0256	5.05 ± 0.09	1.99
Clustered Data Points	± 36.70%	± 1.71%	± 1.84%	6%
		Minimal External Error ± 0.13		
		Analytical Error ± 0.09		

Statistics				
2σ Confidence Limit	2.15	Convergence	0.0014716450
Error Magnification	1.4091	Number of Iterations	4
Number of Data Points	8	Calculated Line	Weighted York-2
Spreading Factor	3.6%		

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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
06C3034	0.00 W		0.0025689	0.991	0.0008587	6.676	0.0004697	3.260	0.0005289	3.007	0.7656123	0.061	41.55 ± 94.34	0.86	0.01	0.26 ± 0.04
06C3035	0.01 W		0.0022873	1.057	0.0012028	5.669	0.0004522	2.956	0.0014122	1.893	0.6871116	0.101	26.88 ± 33.92	1.64	0.02	0.50 ± 0.06
06C3037	0.09 W		0.0015248	1.145	0.0023687	2.928	0.0003246	4.387	0.0030061	1.004	0.4588641	0.116	9.50 ± 11.62	1.84	0.04	0.55 ± 0.04
06C3038	0.10 W		0.0009805	1.563	0.0030416	2.591	0.0002567	7.437	0.0049173	0.692	0.3001522	0.072	7.31 ± 6.22	3.55	0.07	0.69 ± 0.05
06C3039	0.18 W		0.0006657	1.937	0.0053744	1.845	0.0002637	7.051	0.0109525	0.402	0.2182930	0.219	6.79 ± 2.37	10.08	0.16	0.88 ± 0.05
06C3041	0.21 W		0.0004141	2.773	0.0059569	1.602	0.0002374	4.964	0.0141148	0.431	0.1460267	0.281	5.77 ± 1.63	16.51	0.21	1.02 ± 0.05
06C3042	0.27 W		0.0004102	2.981	0.0101181	0.942	0.0004183	3.453	0.0262550	0.215	0.1645918	0.118	5.68 ± 0.93	26.82	0.39	1.12 ± 0.05
06C3043	0.29 W		0.0003118	3.769	0.0141757	1.089	0.0005628	3.680	0.0412667	0.197	0.1630912	0.172	5.90 ± 0.57	44.16	0.61	1.25 ± 0.06
06C3045	0.38 W		0.0002889	3.782	0.0248570	0.762	0.0010186	1.695	0.0783185	0.205	0.2127374	0.133	5.57 ± 0.28	60.74	1.16	1.35 ± 0.06
06C3046	0.44 W		0.0002479	4.437	0.0419970	0.715	0.0017797	0.962	0.1429961	0.253	0.2959470	0.090	5.34 ± 0.16	76.30	2.11	1.46 ± 0.06
06C3047	0.56 W		0.0001776	6.797	0.0542522	0.596	0.0024384	1.239	0.1988126	0.273	0.3600505	0.162	5.29 ± 0.13	86.53	2.93	1.58 ± 0.07
06C3049	0.71 W		0.0001842	6.232	0.0768525	0.729	0.0036137	0.688	0.2974347	0.280	0.5046780	0.084	5.18 ± 0.08	90.33	4.39	1.66 ± 0.07
06C3050	0.88 W		0.0001685	5.901	0.0993421	0.632	0.0047868	0.650	0.3931333	0.260	0.6432399	0.096	5.16 ± 0.06	93.39	5.80	1.70 ± 0.07
06C3051	0.97 W	✓	0.0001651	6.451	0.1074739	0.748	0.0055249	0.514	0.4530543	0.207	0.7286322	0.046	5.13 ± 0.05	94.37	6.69	1.81 ± 0.08
06C3053	1.12 W	✓	0.0001425	9.124	0.1169149	0.720	0.0063018	0.499	0.5217370	0.211	0.8191854	0.063	5.09 ± 0.05	95.89	7.70	1.92 ± 0.08
06C3054	1.27 W	✓	0.0001692	7.296	0.1542875	0.628	0.0083159	0.370	0.6780413	0.180	1.0565647	0.050	5.07 ± 0.04	96.32	10.01	1.89 ± 0.08
06C3055	1.44 W	✓	0.0001106	9.617	0.1211064	0.612	0.0065416	0.647	0.5325366	0.168	0.8246291	0.044	5.08 ± 0.04	97.10	7.86	1.89 ± 0.08
06C3057	1.62 W	✓	0.0001182	9.791	0.1199022	0.595	0.0062803	0.577	0.5125315	0.182	0.7943505	0.084	5.06 ± 0.05	96.70	7.57	1.84 ± 0.08
06C3058	1.77 W	✓	0.0001401	7.918	0.1382847	0.689	0.0062153	0.443	0.5022834	0.167	0.7809891	0.064	5.04 ± 0.05	96.00	7.41	1.56 ± 0.07
06C3059	1.92 W	✓	0.0001804	7.035	0.1769629	0.893	0.0060618	0.739	0.4912028	0.197	0.7708076	0.085	5.03 ± 0.06	94.81	7.25	1.19 ± 0.05
06C3061	2.12 W	✓	0.0002144	5.912	0.2425169	0.611	0.0062856	0.479	0.5004334	0.233	0.7912614	0.080	5.04 ± 0.06	94.32	7.39	0.89 ± 0.04
06C3062	2.45 W	✓	0.0002384	4.776	0.2838596	0.841	0.0055693	0.534	0.4380687	0.201	0.6997221	0.066	5.02 ± 0.06	93.05	6.46	0.66 ± 0.03
06C3063	2.71 W		0.0002020	4.826	0.2088164	0.600	0.0037740	0.763	0.2987300	0.183	0.4818096	0.082	4.96 ± 0.07	90.96	4.41	0.61 ± 0.03
06C3065	3.12 W		0.0001919	6.270	0.2024298	0.680	0.0030407	1.056	0.2409748	0.168	0.3890785	0.101	4.88 ± 0.10	89.46	3.56	0.51 ± 0.02
06C3066	3.57 W		0.0000924	12.678	0.0972661	0.685	0.0015889	1.033	0.1209906	0.240	0.1975633	0.146	4.97 ± 0.20	89.99	1.79	0.53 ± 0.02
06C3067	4.60 W		0.0002636	4.074	0.3337631	0.705	0.0035855	0.789	0.2713601	0.207	0.4511352	0.083	4.98 ± 0.08	88.52	4.00	0.35 ± 0.01
		Σ	0.0124592	0.552	2.6439819	0.190	0.0857082	0.159	6.7750931	0.051	13.7061245	0.017				

Information on Analysis and Constants Used in Calculations

Sample = SAV-1 2F15-06
Material = Groundmass 210-300µm
Location = Savai'i Island, Samoa
Analyst = Jamie Russell
Project = SAMOA
Mass Discrimination Law = LIN
Irradiation = OSU2F06
J = 0.00187090 ± 0.00000655
FCT-3 = 28.030 ± 0.003 Ma
IGSN = KOP000006
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	1.4993 ± 0.0062	5.07 ± 0.04	1.60	68.34	1.12 ± 0.34
Error Mean	± 0.42%	± 0.81%	12%	9	
	Minimal External Error ± 0.10		1.50	2σ Confidence Limit	
	Analytical Error ± 0.02		1.2632	Error Magnification	
Total Fusion Age	1.5094 ± 0.0062	5.10 ± 0.04		26	1.10 ± 0.04
	± 0.41%	± 0.81%			
	Minimal External Error ± 0.10				
	Analytical Error ± 0.02				
Normal Isochron	1.5069 ± 0.0212	5.09 ± 0.08	1.82	60.64	
	± 1.41%	± 1.57%	9%	8	
	Minimal External Error ± 0.12		2.15	2σ Confidence Limit	
	Analytical Error ± 0.07		1.3478	Error Magnification	
Inverse Isochron	1.4951 ± 0.0256	5.05 ± 0.09	1.99	60.64	
Clustered Data Points	± 1.71%	± 1.84%	6%	8	
	Minimal External Error ± 0.13		2.15	2σ Confidence Limit	
	Analytical Error ± 0.09		1.4091	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
06C3034	0.00 W		0.002569	0.99	0.000000	0.00	0.000000	6.69	0.000000	0.00	0.000859	6.68	0.000480	0.99	0.000000	0.00	0.000006	3.01	0.000000	22.89	0.000000	0.00	0.000528	3.01	0.000001	6.92	0.006563	114.80	0.759048	0.99	0.000000	0.00	0.000001	25.08
06C3035	0.01 W		0.002287	1.06	0.000000	0.00	0.000000	5.68	0.000000	184.78	0.001203	5.67	0.000427	1.06	0.000000	0.00	0.000017	1.90	0.000000	22.62	0.000008	184.86	0.001411	1.89	0.000001	5.96	0.011296	63.55	0.675813	1.06	0.000000	0.00	0.000002	24.97
06C3037	0.09 W		0.001524	1.15	0.000000	0.00	0.000001	2.95	0.000000	444.25	0.002369	2.93	0.000285	1.15	0.000000	0.00	0.000036	1.01	0.000000	22.09	0.000003	444.28	0.003004	1.00	0.000002	3.45	0.008462	61.27	0.450397	1.15	0.000000	0.00	0.000005	24.92
06C3038	0.10 W		0.000980	1.56	0.000000	0.00	0.000001	2.62	0.000000	138.06	0.003042	2.59	0.000183	1.56	0.000000	0.00	0.000060	0.70	0.000000	22.05	0.000014	138.16	0.004915	0.69	0.000002	3.17	0.010647	42.59	0.289498	1.56	0.000000	0.00	0.000008	24.91
06C3039	0.18 W		0.000664	1.94	0.000000	0.00	0.000001	1.88	0.000000	276.61	0.005374	1.85	0.000124	1.94	0.000000	0.00	0.000133	0.41	0.000000	21.98	0.000007	276.66	0.010949	0.40	0.000004	2.60	0.021999	17.46	0.196276	1.94	0.000000	0.00	0.000018	24.90
06C3041	0.21 W		0.000413	2.78	0.000000	0.00	0.000002	1.64	0.000000	0.00	0.005957	1.60	0.000077	2.78	0.000000	0.00	0.000171	0.44	0.000000	21.96	0.000000	0.00	0.014111	0.43	0.000004	2.43	0.024102	14.18	0.121901	2.78	0.000000	0.00	0.000023	24.90
06C3042	0.27 W		0.000407	3.00	0.000000	0.00	0.000003	1.01	0.000000	61.46	0.010118	0.94	0.000076	3.00	0.000000	0.00	0.000318	0.24	0.000000	21.92	0.000024	61.69	0.026248	0.22	0.000007	2.06	0.044150	8.20	0.120398	3.00	0.000000	0.00	0.000043	24.90
06C3043	0.29 W		0.000308	3.82	0.000000	0.00	0.000004	1.15	0.000000	406.21	0.014176	1.09	0.000058	3.82	0.000000	0.00	0.000500	0.22	0.000000	21.93	0.000005	406.25	0.041257	0.20	0.000010	2.13	0.072024	4.84	0.090999	3.82	0.000000	0.00	0.000068	24.90
06C3045	0.38 W		0.000282	3.87	0.000000	0.00	0.000007	0.85	0.000000	104.27	0.024857	0.76	0.000053	3.87	0.000000	0.00	0.000948	0.23	0.000001	21.91	0.000017	104.41	0.078301	0.21	0.000018	1.98	0.129214	2.51	0.083395	3.87	0.000000	0.00	0.000129	24.90
06C3046	0.44 W		0.000237	4.65	0.000000	0.00	0.000011	0.80	0.000000	631.85	0.041997	0.71	0.000044	4.65	0.000000	0.00	0.001731	0.27	0.000001	21.91	0.000003	631.87	0.142966	0.25	0.000030	1.96	0.225810	1.44	0.069901	4.65	0.000000	0.00	0.000236	24.90
06C3047	0.56 W		0.000163	7.41	0.000000	0.00	0.000015	0.70	0.000000	0.00	0.054252	0.60	0.000030	7.41	0.000000	0.00	0.002407	0.29	0.000002	21.91	0.000000	0.00	0.198774	0.27	0.000038	1.92	0.311553	1.16	0.048170	7.41	0.000000	0.00	0.000328	24.90
06C3049	0.71 W		0.000164	7.02	0.000000	0.00	0.000021	0.82	0.000000	0.00	0.076852	0.73	0.000031	7.02	0.000000	0.00	0.003601	0.30	0.000002	21.91	0.000000	0.00	0.297380	0.28	0.000054	1.97	0.455859	0.75	0.048328	7.02	0.000000	0.00	0.000491	24.90
06C3050	0.88 W		0.000142	7.01	0.000000	0.00	0.000027	0.73	0.000000	0.00	0.099342	0.63	0.000026	7.01	0.000000	0.00	0.004760	0.28	0.000003	21.91	0.000000	0.00	0.393063	0.26	0.000070	1.94	0.600695	0.50	0.041896	7.01	0.000000	0.00	0.000649	24.90
06C3051	0.97 W	✓	0.000136	7.82	0.000000	0.00	0.000029	0.83	0.000000	299.07	0.107474	0.75	0.000025	7.82	0.000000	0.00	0.005486	0.23	0.000003	21.91	0.000010	299.12	0.452978	0.21	0.000076	1.98	0.687635	0.46	0.040250	7.82	0.000000	0.00	0.000747	24.90
06C3053	1.12 W	✓	0.000111	11.71	0.000000	0.00	0.000031	0.81	0.000000	0.00	0.116915	0.72	0.000021	11.71	0.000000	0.00	0.006317	0.23	0.000004	21.91	0.000000	0.00	0.521654	0.21	0.000083	1.97	0.785521	0.49	0.032804	11.71	0.000000	0.00	0.000861	24.90
06C3054	1.27 W	✓	0.000128	9.67	0.000000	0.00	0.000042	0.73	0.000000	45.86	0.154288	0.63	0.000024	9.67	0.000000	0.00	0.008210	0.21	0.000005	21.91	0.000077	46.18	0.677932	0.18	0.000109	1.93	1.017717	0.36	0.037729	9.67	0.000000	0.00	0.001119	24.90
06C3055	1.44 W	✓	0.000078	13.64	0.000000	0.00	0.000033	0.72	0.000000	59.07	0.121106	0.61	0.000015	13.64	0.000000	0.00	0.006448	0.20	0.000004	21.91	0.000075	59.32	0.532451	0.17	0.000086	1.93	0.800707	0.40	0.023044	13.64	0.000000	0.00	0.000879	24.90
06C3057	1.62 W	✓	0.000086	13.47	0.000000	0.00	0.000032	0.70	0.000000	70.62	0.119902	0.60	0.000016	13.47	0.000000	0.00	0.006206	0.21	0.000004	21.91	0.000055	70.83	0.512446	0.18	0.000085	1.92	0.768109	0.45	0.025396	13.47	0.000000	0.00	0.000846	24.90
06C3058	1.77 W	✓	0.000103	10.79	0.000000	0.00	0.000037	0.78	0.000000	27.80	0.138285	0.69	0.000019	10.79	0.000000	0.00	0.006081	0.19	0.000004	21.91	0.000110	28.31	0.502185	0.17	0.000098	1.96	0.749749	0.44	0.030411	10.79	0.000000	0.00	0.000829	24.90
06C3059	1.92 W	✓	0.000133	9.57	0.000000	0.00	0.000048	0.97	0.000000	55.71	0.176963	0.89	0.000025	9.57	0.000000	0.00	0.005947	0.22	0.000006	21.92	0.000084	55.96	0.491077	0.20	0.000125	2.04	0.730769	0.52	0.039228	9.57	0.000000	0.00	0.000810	24.90
06C3061	2.12 W	✓	0.000149	8.50	0.000000	0.00	0.000065	0.71	0.000000	18.50	0.242517	0.61	0.000028	8.50	0.000000	0.00	0.006058	0.25	0.000008	21.91	0.000192	19.26	0.500261	0.23	0.000172	1.93	0.746357	0.51	0.044079	8.50	0.000000	0.00	0.000825	24.90
06C3062	2.45 W	✓	0.000162	7.04	0.000000	0.00	0.000076	0.92	0.000000	15.15	0.283860	0.84	0.000030	7.04	0.000000	0.00	0.005303	0.22	0.000009	21.92	0.000227	16.08	0.437867	0.20	0.000201	2.01	0.651115	0.52	0.047885	7.04	0.000000	0.00	0.000722	24.90
06C3063	2.71 W		0.000146	6.69	0.000000	0.00	0.000056	0.71	0.000000	24.63	0.208816	0.60	0.000027	6.69	0.000000	0.00	0.003616	0.21	0.000007	21.91	0.000124	25.21	0.298582	0.18	0.000148	1.93	0.438241	0.66	0.043076	6.69	0.000000	0.00	0.000493	24.90
06C3065	3.12 W		0.000137	8.76	0.000000	0.00	0.000054	0.77	0.000000	35.93	0.202430	0.68	0.000026	8.76	0.000000	0.00	0.002916	0.20	0.000006	21.91	0.000092	36.33	0.240831	0.17	0.000144	1.95	0.348073	1.03	0.040609	8.76	0.000000	0.00	0.000397	24.90
06C3066	3.57 W		0.000066	17.69	0.000000	0.00	0.000026	0.78	0.000000	16.51	0.097266	0.69	0.000012	17.69	0.000000	0.00	0.001464	0.26	0.000003	21.91	0.000109	17.37	0.120922	0.24	0.000069	1.95	0.177792	1.95	0.019572	17.69	0.000000	0.00	0.000200	24.90
06C3067	4.60 W		0.000174	6.19	0.000000	0.00	0.000090	0.80	0.000000	12.57	0.333763	0.71	0.000032	6.19	0.000000	0.00	0.003283	0.23	0.000011	21.91	0.000259	13.68	0.271123	0.21	0.000237	1.96	0.399339	0.80	0.051349	6.19	0.000000	0.00	0.000447	24.90
		Σ	0.011748	0.59	0.000000	0.00	0.000711	0.21	0.000000	8.74	2.643982	0.19	0.002196	0.59	0.000000	0.00	0.082024	0.06	0.000085	5.83	0.001496	8.91	6.773219	0.05	0.001875	0.52	10.223497	0.20	3.471451	0.59	0.000000	0.00	0.011176	6.33
		Σ							0.012459	0.55	2.643982	0.19									0.085800	0.17			6.775093	0.05							13.706125	0.21

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)
06C3034	0.00 W		12.423799	14.26724	0.765611	0.00046	1447.588750	43.53478	1.623616	0.11887	4.857214	0.15377	85.665	5.44631745	1.00060567	7.748E-20
06C3035	0.01 W		8.003704	5.08875	0.687109	0.00070	486.537692	9.22311	0.851677	0.05090	1.619645	0.03512	85.686	5.44855907	1.00060581	6.954E-20
06C3037	0.09 W		2.816564	1.72592	0.458859	0.00053	152.644726	1.54244	0.787982	0.02439	0.507245	0.00772	85.728	5.45311988	1.00060611	4.644E-20
06C3038	0.10 W		2.166075	0.92260	0.300144	0.00022	61.040303	0.42456	0.618558	0.01659	0.199400	0.00341	85.749	5.45536430	1.00060626	3.038E-20
06C3039	0.18 W		2.009285	0.35085	0.218275	0.00048	19.930836	0.09125	0.490699	0.00927	0.060777	0.00120	85.771	5.45768451	1.00060641	2.209E-20
06C3041	0.21 W		1.708108	0.24239	0.146003	0.00041	10.345663	0.05320	0.422031	0.00700	0.029340	0.00082	85.813	5.46217803	1.00060671	1.478E-20
06C3042	0.27 W		1.682054	0.13791	0.164549	0.00019	6.268966	0.01537	0.385380	0.00372	0.015622	0.00047	85.834	5.46450113	1.00060686	1.666E-20
06C3043	0.29 W		1.745758	0.08450	0.163023	0.00028	3.952124	0.01033	0.343514	0.00380	0.007555	0.00029	85.855	5.46675024	1.00060701	1.650E-20
06C3045	0.38 W		1.650219	0.04154	0.212608	0.00028	2.716311	0.00663	0.317384	0.00250	0.003689	0.00014	85.897	5.47132627	1.00060730	2.153E-20
06C3046	0.44 W		1.579460	0.02316	0.295711	0.00027	2.069615	0.00556	0.293693	0.00223	0.001733	0.00008	85.919	5.47365327	1.00060746	2.995E-20
06C3047	0.56 W		1.567370	0.01869	0.359723	0.00059	1.811005	0.00575	0.272881	0.00179	0.000893	0.00006	85.940	5.47590614	1.00060760	3.644E-20
06C3049	0.71 W		1.532917	0.01228	0.504187	0.00044	1.696769	0.00496	0.258384	0.00202	0.000619	0.00004	85.982	5.48048984	1.00060790	5.107E-20
06C3050	0.88 W		1.528242	0.00862	0.642591	0.00064	1.636188	0.00453	0.252693	0.00173	0.000429	0.00003	86.003	5.48274553	1.00060805	6.510E-20
06C3051	0.97 W	✓	1.518032	0.00767	0.727885	0.00039	1.608267	0.00341	0.237221	0.00184	0.000364	0.00002	86.024	5.48500214	1.00060820	7.374E-20
06C3053	1.12 W	✓	1.505827	0.00809	0.818325	0.00056	1.570112	0.00346	0.224088	0.00168	0.000273	0.00002	86.066	5.48959345	1.00060850	8.290E-20
06C3054	1.27 W	✓	1.501208	0.00609	1.055446	0.00060	1.558260	0.00292	0.227549	0.00149	0.000250	0.00002	86.088	5.49192822	1.00060865	1.069E-19
06C3055	1.44 W	✓	1.503814	0.00647	0.823751	0.00043	1.548493	0.00268	0.227414	0.00144	0.000208	0.00002	86.108	5.49418861	1.00060879	8.345E-20
06C3057	1.62 W	✓	1.498906	0.00734	0.793505	0.00070	1.549857	0.00311	0.233941	0.00146	0.000231	0.00002	86.151	5.49878761	1.00060909	8.039E-20
06C3058	1.77 W	✓	1.492973	0.00707	0.780161	0.00054	1.554878	0.00278	0.275312	0.00195	0.000279	0.00002	86.172	5.50105083	1.00060924	7.904E-20
06C3059	1.92 W	✓	1.488094	0.00830	0.769997	0.00069	1.569225	0.00337	0.360264	0.00329	0.000367	0.00003	86.193	5.50339046	1.00060939	7.801E-20
06C3061	2.12 W	✓	1.491933	0.00836	0.790436	0.00066	1.581152	0.00389	0.484614	0.00317	0.000429	0.00003	86.235	5.50799717	1.00060969	8.008E-20
06C3062	2.45 W	✓	1.487013	0.00834	0.699000	0.00050	1.597289	0.00338	0.647980	0.00560	0.000544	0.00003	86.257	5.51033976	1.00060984	7.081E-20
06C3063	2.71 W		1.467741	0.01012	0.481317	0.00042	1.612859	0.00324	0.699014	0.00439	0.000676	0.00003	86.278	5.51268335	1.00061000	4.876E-20
06C3065	3.12 W		1.445297	0.01506	0.388681	0.00041	1.614603	0.00316	0.840046	0.00589	0.000796	0.00005	86.322	5.51737351	1.00061030	3.937E-20
06C3066	3.57 W		1.470309	0.02895	0.197364	0.00029	1.632882	0.00459	0.803915	0.00584	0.000764	0.00010	86.342	5.51964438	1.00061045	1.999E-20
06C3067	4.60 W		1.472903	0.01220	0.450688	0.00039	1.662496	0.00371	1.229964	0.00904	0.000971	0.00004	86.365	5.52214341	1.00061061	4.565E-20

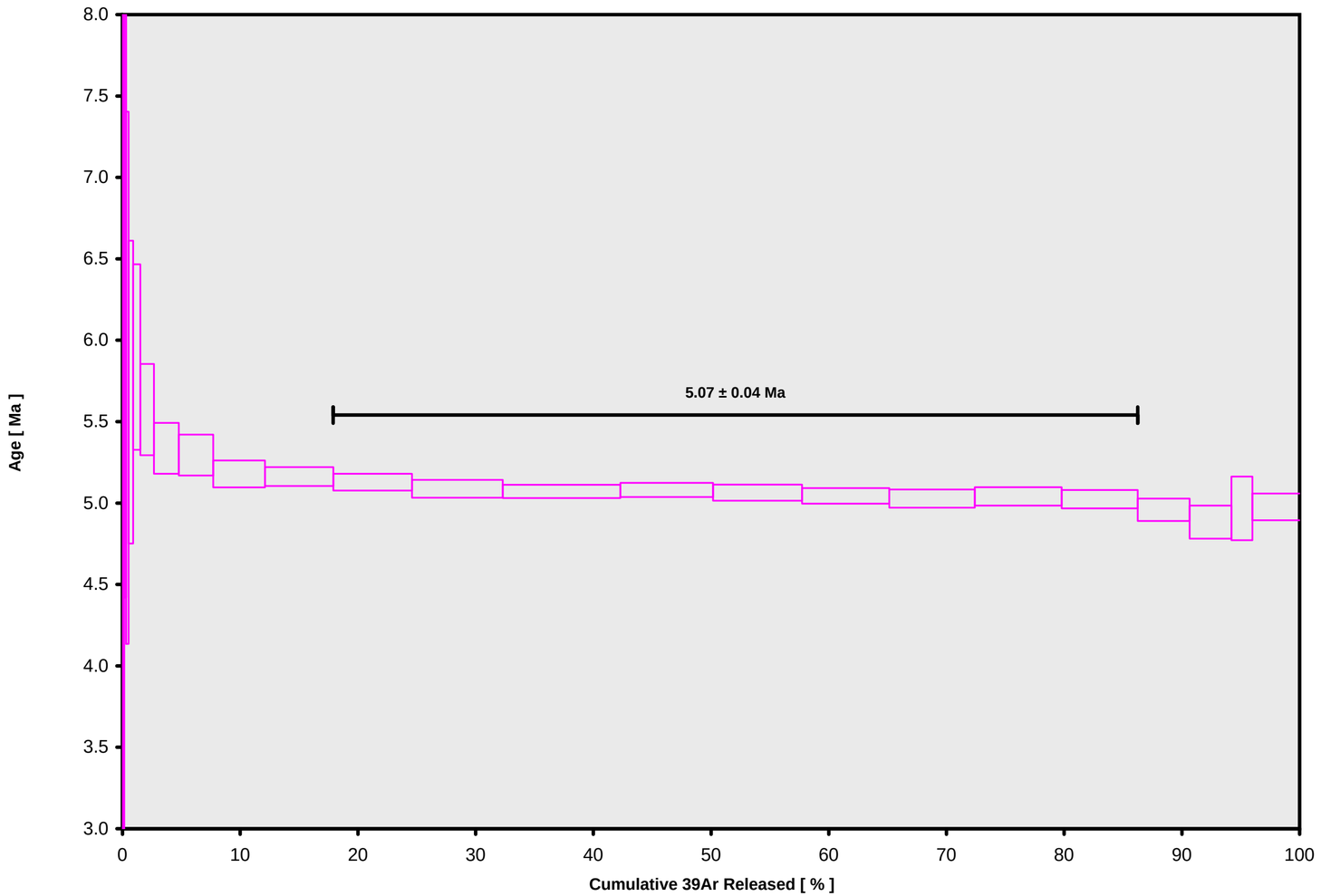
Procedure Blanks		36Ar	1σ	37Ar	1σ	38Ar	1σ	39Ar	1σ	40Ar	1σ
06C3034	0.00 W	0.000029	0.000010	0.000053	0.000007	0.000020	0.000011	0.000016	0.000012	0.005071	0.000034
06C3035	0.01 W	0.000021	0.000008	0.000017	0.000010	0.000001	0.000010	0.000015	0.000023	0.004557	0.000191
06C3037	0.09 W	0.000016	0.000008	0.000007	0.000010	0.000007	0.000010	0.000017	0.000023	0.004268	0.000187
06C3038	0.10 W	0.000015	0.000008	0.000006	0.000010	0.000008	0.000010	0.000020	0.000022	0.004227	0.000185
06C3039	0.18 W	0.000015	0.000008	0.000007	0.000010	0.000009	0.000010	0.000023	0.000022	0.004235	0.000183
06C3041	0.21 W	0.000016	0.000008	0.000011	0.000010	0.000008	0.000010	0.000030	0.000022	0.004352	0.000180
06C3042	0.27 W	0.000017	0.000008	0.000014	0.000010	0.000008	0.000010	0.000033	0.000022	0.004441	0.000178
06C3043	0.29 W	0.000018	0.000008	0.000017	0.000010	0.000006	0.000010	0.000036	0.000021	0.004535	0.000177
06C3045	0.38 W	0.000021	0.000008	0.000023	0.000009	0.000004	0.000010	0.000040	0.000021	0.004716	0.000175
06C3046	0.44 W	0.000023	0.000008	0.000025	0.000009	0.000003	0.000010	0.000042	0.000021	0.004791	0.000174
06C3047	0.56 W	0.000024	0.000008	0.000027	0.000009	0.000002	0.000010	0.000043	0.000021	0.004846	0.000173
06C3049	0.71 W	0.000025	0.000008	0.000028	0.000009	0.000001	0.000010	0.000044	0.000021	0.004896	0.000173
06C3050	0.88 W	0.000026	0.000008	0.000027	0.000009	0.000000	0.000010	0.000044	0.000021	0.004887	0.000173
06C3051	0.97 W	0.000026	0.000008	0.000027	0.000009	0.000000	0.000010	0.000044	0.000021	0.004856	0.000173
06C3053	1.12 W	0.000025	0.000008	0.000024	0.000009	0.000001	0.000010	0.000047	0.000021	0.004733	0.000173
06C3054	1.27 W	0.000024	0.000008	0.000023	0.000009	0.000001	0.000010	0.000050	0.000021	0.004646	0.000174
06C3055	1.44 W	0.000023	0.000008	0.000023	0.000009	0.000002	0.000010	0.000055	0.000021	0.004553	0.000175
06C3057	1.62 W	0.000019	0.000008	0.000025	0.000010	0.000003	0.000010	0.000073	0.000021	0.004364	0.000177
06C3058	1.77 W	0.000017	0.000008	0.000028	0.000010	0.000004	0.000010	0.000086	0.000022	0.004287	0.000178
06C3059	1.92 W	0.000015	0.000008	0.000034	0.000010	0.000004	0.000010	0.000104	0.000022	0.004231	0.000180
06C3061	2.12 W	0.000011	0.000008	0.000055	0.000010	0.000004	0.000010	0.000156	0.000022	0.004239	0.000183
06C3062	2.45 W	0.000009	0.000008	0.000072	0.000010	0.000002	0.000010	0.000192	0.000022	0.004329	0.000185
06C3063	2.71 W	0.000007	0.000008	0.000094	0.000010	0.000000	0.000010	0.000236	0.000023	0.004497	0.000187
06C3065	3.12 W	0.000005	0.000008	0.000158	0.000010	0.000000	0.000010	0.000351	0.000023	0.005137	0.000192
06C3066	3.57 W	0.000005	0.000008	0.000200	0.000011	0.000000	0.000010	0.000422	0.000024	0.005626	0.000194
06C3067	4.60 W	0.000005	0.000008	0.000256	0.000011	0.000000	0.000010	0.000513	0.000024	0.006331	0.000197

Intercept Values		36Ar	1σ	r2		37Ar	1σ	r2		38Ar	1σ	r2		39Ar	1σ	r2		40Ar	1σ	r2	
06C3034	0.00 W	0.002592	0.000017	0.8706	LIN #	0.000209	0.000008	0.9744	EXP #	0.000485	0.000011	0.3210	LIN #	0.000538	0.000010	0.9994	EXP #	0.757651	0.000456	0.9982	EXP # 1
06C3035	0.01 W	0.002303	0.000018	0.7646	LIN #	0.000236	0.000007	0.9775	EXP #	0.000449	0.000009	0.2258	LIN #	0.001408	0.000013	0.9988	EXP #	0.679907	0.000658	0.9940	EXP #
06C3037	0.09 W	0.001537	0.000012	0.6552	LIN #	0.000439	0.000007	0.9250	EXP #	0.000328	0.000010	0.1950	LIN #	0.002981	0.000019	0.9946	EXP #	0.455211	0.000489	0.9889	LIN #
06C3038	0.10 W	0.000993	0.000012	0.5961	LIN #	0.000560	0.000010	0.8417	EXP #	0.000262	0.000016	0.0382	LIN #	0.004868	0.000024	0.9824	EXP #	0.299203	0.000110	0.9981	LIN #
06C3039	0.18 W	0.000679	0.000009	0.2572	LIN #	0.000986	0.000014	0.3797	EXP #	0.000270	0.000016	0.0197	LIN #	0.010825	0.000033	0.0724	LIN #	0.218787	0.000433	0.9324	EXP # 1
06C3041	0.21 W	0.000429	0.000008	0.1703	LIN #	0.001095	0.000013	0.3817	EXP #	0.000243	0.000007	0.2044	LIN #	0.013947	0.000051	0.8314	LIN #	0.147806	0.000362	0.8676	EXP # 3 11
06C3042	0.27 W	0.000426	0.000009	0.0055	LIN #	0.001854	0.000011	0.5958	EXP #	0.000422	0.000011	0.3748	LIN #	0.025915	0.000031	0.9908	EXP # 10	0.166109	0.000074	0.9921	EXP # 7
06C3043	0.29 W	0.000329	0.000009	0.0616	LIN #	0.002594	0.000023	0.4318	EXP #	0.000564	0.000018	0.0357	LIN #	0.040713	0.000042	0.9945	EXP # 1	0.164711	0.000214	0.8183	LIN # 6
06C3045	0.38 W	0.000309	0.000008	0.2445	LIN #	0.004537	0.000023	0.8466	EXP #	0.001012	0.000014	0.4112	LIN #	0.077233	0.000097	0.9925	EXP #	0.213651	0.000218	0.9586	LIN #
06C3046	0.44 W	0.000269	0.000008	0.1938	LIN #	0.007649	0.000035	0.9149	EXP #	0.001765	0.000013	0.7033	LIN #	0.140982	0.000276	0.9908	LIN # 1 7 9	0.295478	0.000197	0.9902	EXP # 2
06C3047	0.56 W	0.000201	0.000009	0.5555	LIN #	0.009871	0.000024	0.9671	LIN # 1 12	0.002416	0.000027	0.7112	LIN #	0.195997	0.000433	0.9885	EXP # 1 2 10	0.358515	0.000547	0.9785	EXP # 1 7
06C3049	0.71 W	0.000209	0.000008	0.2807	LIN #	0.013962	0.000068	0.8883	LIN # 11	0.003578	0.000020	0.8931	LIN #	0.293231	0.000673	0.9826	EXP #	0.500712	0.000382	0.9940	EXP # 9 12
06C3050	0.88 W	0.000194	0.000006	0.7720	LIN #	0.018033	0.000060	0.9779	LIN # 1 2 12	0.004740	0.000025	0.9028	LIN #	0.387563	0.000792	0.9881	EXP # 3 12	0.636855	0.000582	0.9922	EXP # 12
06C3051	0.97 W	0.000190	0.000007	0.6584	LIN #	0.019496	0.000101	0.8972	EXP #	0.005470	0.000020	0.9361	LIN #	0.446585	0.000586	0.9945	EXP #	0.720660	0.000284	0.9986	EXP # 12
06C3053	1.12 W	0.000167	0.000010	0.5989	LIN #	0.021192	0.000102	0.8788	EXP # 1	0.006241	0.000022	0.9450	LIN #	0.514435	0.000705	0.9957	LIN # 1	0.809747	0.000480	0.9972	EXP # 10 12
06C3054	1.27 W	0.000192	0.000010	0.6530	LIN #	0.027943	0.000091	0.9682	LIN # 4	0.008235	0.000012	0.9918	LIN #	0.668475	0.000555	0.9982	EXP # 6 7	1.042857	0.000495	0.9986	LIN # 3 8
06C3055	1.44 W	0.000133	0.000007	0.8320	LIN #	0.021931	0.000065	0.9816	LIN # 2 12	0.006480	0.000035	0.8984	LIN #	0.525090	0.000261	0.9992	LIN # 1	0.814921	0.000315	0.9986	LIN # 4
06C3057	1.62 W	0.000137	0.000009	0.6546	LIN #	0.021702	0.000056	0.9634	LIN #	0.006223	0.000028	0.9062	LIN #	0.505483	0.000436	0.9971	EXP #	0.785132	0.000634	0.9928	LIN #
06C3058	1.77 W	0.000157	0.000008	0.7800	LIN #	0.025013	0.000108	0.9405	EXP #	0.006158	0.000016	0.9738	LIN #	0.495293	0.000238	0.9995	EXP # 6 7 8	0.771770	0.000459	0.9970	EXP #
06C3059	1.92 W	0.000195	0.000010	0.4862	LIN #	0.031991	0.000228	0.8807	EXP #	0.006006	0.000039	0.8213	LIN #	0.484339	0.000557	0.9960	EXP #	0.761634	0.000619	0.9964	EXP # 1 3
06C3061	2.12 W	0.000225	0.000010	0.6668	LIN #	0.043813	0.000129	0.9764	EXP #	0.006227	0.000020	0.9560	LIN #	0.493489	0.000832	0.9909	EXP #	0.781742	0.000592	0.9959	EXP # 7
06C3062	2.45 W	0.000247	0.000008	0.7111	LIN #	0.051268	0.000332	0.8834	LIN #	0.005517	0.000022	0.9360	LIN #	0.432045	0.000526	0.9965	EXP # 1 4	0.691874	0.000417	0.9962	EXP #
06C3063	2.71 W	0.000208	0.000006	0.7188	LIN #	0.037739	0.000102	0.9803	EXP # 2	0.003737	0.000024	0.8255	LIN #	0.294725	0.000262	0.9974	EXP #	0.477896	0.000344	0.9942	EXP # 8
06C3065	3.12 W	0.000196	0.000009	0.4237	LIN #	0.036623	0.000153	0.9595	EXP #	0.003011	0.000029	0.6368	LIN #	0.237925	0.000116	0.9995	EXP # 3 7	0.387435	0.000338	0.9908	EXP #
06C3066	3.57 W	0.000097	0.000009	0.4238	LIN #	0.017712	0.000074	0.9523	EXP #	0.001574	0.000012	0.8275	LIN #	0.119701	0.000212	0.9865	EXP #	0.199695	0.000210	0.6609	LIN #
06C3067	4.60 W	0.000268	0.000007	0.5863	LIN #	0.060327	0.000276	0.9509	EXP #	0.003551	0.000024	0.8673	LIN #	0.268042	0.000350	0.9955	EXP # 1 6 11	0.449598	0.000313	0.9949	EXP # 4

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
06C3034	0.00 W	SAV-1 2F15-06	Groundmass 210-300µm	Savai'i Island, Samoa	Jamie Russell	0	28.03	0.01	0.0018709	0.35	1.00378	0.16	1.0172	1.012E-19	31	AUG	2006	07	01	001	OSU2F06	Samoa	06C3034	01	FCT-3
06C3035	0.01 W	SAV-1 2F15-06	Groundmass 210-300µm	Savai'i Island, Samoa	Jamie Russell	0.01	28.03	0.01	0.0018709	0.35	1.00378	0.16	1.0173	1.012E-19	31	AUG	2006	07	31	001	OSU2F06	Samoa	06C3034	01	FCT-3
06C3037	0.09 W	SAV-1 2F15-06	Groundmass 210-300µm	Savai'i Island, Samoa	Jamie Russell	0.09	28.03	0.01	0.0018709	0.35	1.00378	0.16	1.0174	1.012E-19	31	AUG	2006	08	32	001	OSU2F06	Samoa	06C3034	01	FCT-3
06C3038	0.10 W	SAV-1 2F15-06	Groundmass 210-300µm	Savai'i Island, Samoa	Jamie Russell	0.1	28.03	0.01	0.0018709	0.35	1.00378	0.16	1.0173	1.012E-19	31	AUG	2006	09	02	001	OSU2F06	Samoa	06C3034	01	FCT-3
06C3039	0.18 W	SAV-1 2F15-06	Groundmass 210-300µm	Savai'i Island, Samoa	Jamie Russell	0.18	28.03	0.01	0.0018709	0.35	1.00378	0.16	1.0171	1.012E-19	31	AUG	2006	09	33	001	OSU2F06	Samoa	06C3034	01	FCT-3
06C3041	0.21 W	SAV-1 2F15-06	Groundmass 210-300µm	Savai'i Island, Samoa	Jamie Russell	0.21	28.03	0.01	0.0018709	0.35	1.00378	0.16	1.0174	1.012E-19	31	AUG	2006	10	33	001	OSU2F06	Samoa	06C3034	01	FCT-3
06C3042	0.27 W	SAV-1 2F15-06	Groundmass 210-300µm	Savai'i Island, Samoa	Jamie Russell	0.27	28.03	0.01	0.0018709	0.35	1.00378	0.16	1.0176	1.012E-19	31	AUG	2006	11	04	001	OSU2F06	Samoa	06C3034	01	FCT-3
06C3043	0.29 W	SAV-1 2F15-06	Groundmass 210-300µm	Savai'i Island, Samoa	Jamie Russell	0.29	28.03	0.01	0.0018709	0.35	1.00378	0.16	1.0177	1.012E-19	31	AUG	2006	11	34	001	OSU2F06	Samoa	06C3034	01	FCT-3
06C3045	0.38 W	SAV-1 2F15-06	Groundmass 210-300µm	Savai'i Island, Samoa	Jamie Russell	0.38	28.03	0.01	0.0018709	0.35	1.00378	0.16	1.0178	1.012E-19	31	AUG	2006	12	35	001	OSU2F06	Samoa	06C3034	01	FCT-3
06C3046	0.44 W	SAV-1 2F15-06	Groundmass 210-300µm	Savai'i Island, Samoa	Jamie Russell	0.44	28.03	0.01	0.0018709	0.35	1.00378	0.16	1.0178	1.012E-19	31	AUG	2006	13	06	001	OSU2F06	Samoa	06C3034	01	FCT-3
06C3047	0.56 W	SAV-1 2F15-06	Groundmass 210-300µm	Savai'i Island, Samoa	Jamie Russell	0.56	28.03	0.01	0.0018709	0.35	1.00378	0.16	1.0178	1.012E-19	31	AUG	2006	13	36	001	OSU2F06	Samoa	06C3034	01	FCT-3
06C3049	0.71 W	SAV-1 2F15-06	Groundmass 210-300µm	Savai'i Island, Samoa	Jamie Russell	0.71	28.03	0.01	0.0018709	0.35	1.00378	0.16	1.0177	1.012E-19	31	AUG	2006	14	37	001	OSU2F06	Samoa	06C3034	01	FCT-3
06C3050	0.88 W	SAV-1 2F15-06	Groundmass 210-300µm	Savai'i Island, Samoa	Jamie Russell	0.88	28.03	0.01	0.0018709	0.35	1.00378	0.16	1.0177	1.012E-19	31	AUG	2006	15	07	001	OSU2F06	Samoa	06C3034	01	FCT-3
06C3051	0.97 W	SAV-1 2F15-06	Groundmass 210-300µm	Savai'i Island, Samoa	Jamie Russell	0.97	28.03	0.01	0.0018709	0.35	1.00378	0.16	1.0178	1.012E-19	31	AUG	2006	15	37	001	OSU2F06	Samoa	06C3034	01	FCT-3
06C3053	1.12 W	SAV-1 2F15-06	Groundmass 210-300µm	Savai'i Island, Samoa	Jamie Russell	1.12	28.03	0.01	0.0018709	0.35	1.00378	0.16	1.0175	1.012E-19	31	AUG	2006	16	38	001	OSU2F06	Samoa	06C3034	01	FCT-3
06C3054	1.27 W	SAV-1 2F15-06	Groundmass 210-300µm	Savai'i Island, Samoa	Jamie Russell	1.27	28.03	0.01	0.0018709	0.35	1.00378	0.16	1.0176	1.012E-19	31	AUG	2006	17	09	001	OSU2F06	Samoa	06C3034	01	FCT-3
06C3055	1.44 W	SAV-1 2F15-06	Groundmass 210-300µm	Savai'i Island, Samoa	Jamie Russell	1.44	28.03	0.01	0.0018709	0.35	1.00378	0.16	1.0175	1.012E-19	31	AUG	2006	17	39	001	OSU2F06	Samoa	06C3034	01	FCT-3
06C3057	1.62 W	SAV-1 2F15-06	Groundmass 210-300µm	Savai'i Island, Samoa	Jamie Russell	1.62	28.03	0.01	0.0018709	0.35	1.00378	0.16	1.0173	1.012E-19	31	AUG	2006	18	40	001	OSU2F06	Samoa	06C3034	01	FCT-3
06C3058	1.77 W	SAV-1 2F15-06	Groundmass 210-300µm	Savai'i Island, Samoa	Jamie Russell	1.77	28.03	0.01	0.0018709	0.35	1.00378	0.16	1.0175	1.012E-19	31	AUG	2006	19	10	001	OSU2F06	Samoa	06C3034	01	FCT-3
06C3059	1.92 W	SAV-1 2F15-06	Groundmass 210-300µm	Savai'i Island, Samoa	Anthony Koppers	1.92	28.03	0.01	0.0018709	0.35	1.00378	0.16	1.0176	1.012E-19	31	AUG	2006	19	41	001	OSU2F06	Samoa	06C3034	01	FCT-3
06C3061	2.12 W	SAV-1 2F15-06	Groundmass 210-300µm	Savai'i Island, Samoa	Anthony Koppers	2.12	28.03	0.01	0.0018709	0.35	1.00378	0.16	1.0176	1.012E-19	31	AUG	2006	20	42	001	OSU2F06	Samoa	06C3034	01	FCT-3
06C3062	2.45 W	SAV-1 2F15-06	Groundmass 210-300µm	Savai'i Island, Samoa	Anthony Koppers	2.45	28.03	0.01	0.0018709	0.35	1.00378	0.16	1.0176	1.012E-19	31	AUG	2006	21	13	001	OSU2F06	Samoa	06C3034	01	FCT-3
06C3063	2.71 W	SAV-1 2F15-06	Groundmass 210-300µm	Savai'i Island, Samoa	Anthony Koppers	2.71	28.03	0.01	0.0018709	0.35	1.00378	0.16	1.0176	1.012E-19	31	AUG	2006	21	44	001	OSU2F06	Samoa	06C3034	01	FCT-3
06C3065	3.12 W	SAV-1 2F15-06	Groundmass 210-300µm	Savai'i Island, Samoa	Anthony Koppers	3.12	28.03	0.01	0.0018709	0.35	1.00378	0.16	1.0175	1.012E-19	31	AUG	2006	22	46	001	OSU2F06	Samoa	06C3034	01	FCT-3
06C3066	3.57 W	SAV-1 2F15-06	Groundmass 210-300µm	Savai'i Island, Samoa	Anthony Koppers	3.57	28.03	0.01	0.0018709	0.35	1.00378	0.16	1.0175	1.012E-19	31	AUG	2006	23	16	001	OSU2F06	Samoa	06C3034	01	FCT-3
06C3067	4.60 W	SAV-1 2F15-06	Groundmass 210-300µm	Savai'i Island, Samoa	Anthony Koppers	4.6	28.03	0.01	0.0018709	0.35	1.00378	0.16	1.0175	1.012E-19	31	AUG	2006	23	49	001	OSU2F06	Samoa	06C3034	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
06C3034	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
06C3035	0.01 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
06C3037	0.09 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
06C3038	0.10 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
06C3039	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
06C3041	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
06C3042	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
06C3043	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
06C3045	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
06C3046	0.44 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
06C3047	0.56 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
06C3049	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
06C3050	0.88 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
06C3051	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
06C3053	1.12 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
06C3054	1.27 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
06C3055	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
06C3057	1.62 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
06C3058	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
06C3059	1.92 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
06C3061	2.12 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
06C3062	2.45 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
06C3063	2.71 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
06C3065	3.12 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
06C3066	3.57 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
06C3067	4.60 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

06C3034.AGE >>> SAV-1 2F15-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
5.07 ± 0.04
TOTAL FUSION
5.10 ± 0.04
NORMAL ISOCHRON
5.09 ± 0.08
INVERSE ISOCHRON
5.05 ± 0.09

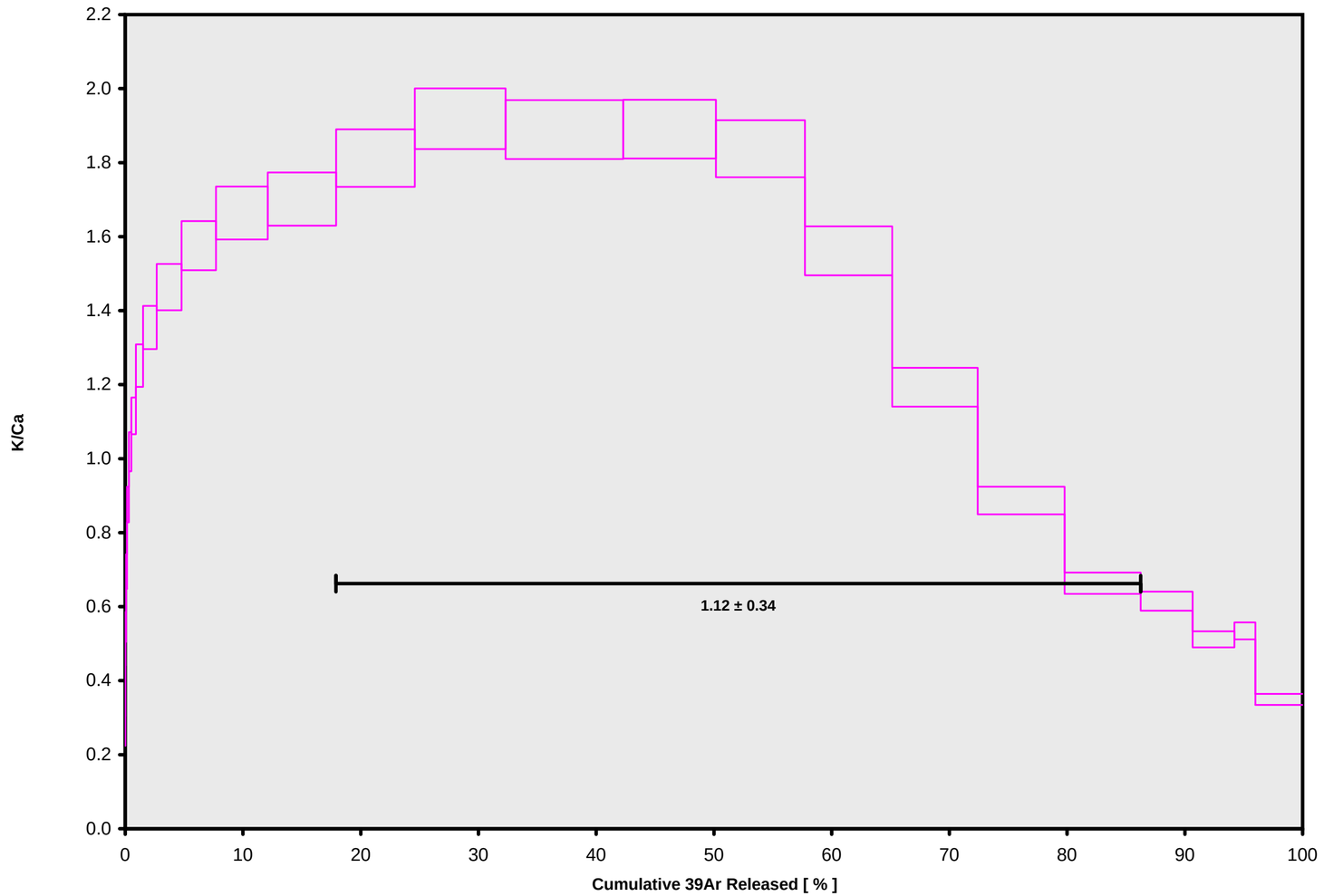
MSWD (PROBABILITY)
1.60 (12%)

Sample Info

Groundmass 210-300µm
Savai'i Island, Samoa
Jamie Russell

IRR = OSU2F06
J = 0.00187090 ± 0.00000655

06C3034.AGE >>> SAV-1 2F15-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
5.07 ± 0.04
TOTAL FUSION
5.10 ± 0.04
NORMAL ISOCHRON
5.09 ± 0.08
INVERSE ISOCHRON
5.05 ± 0.09

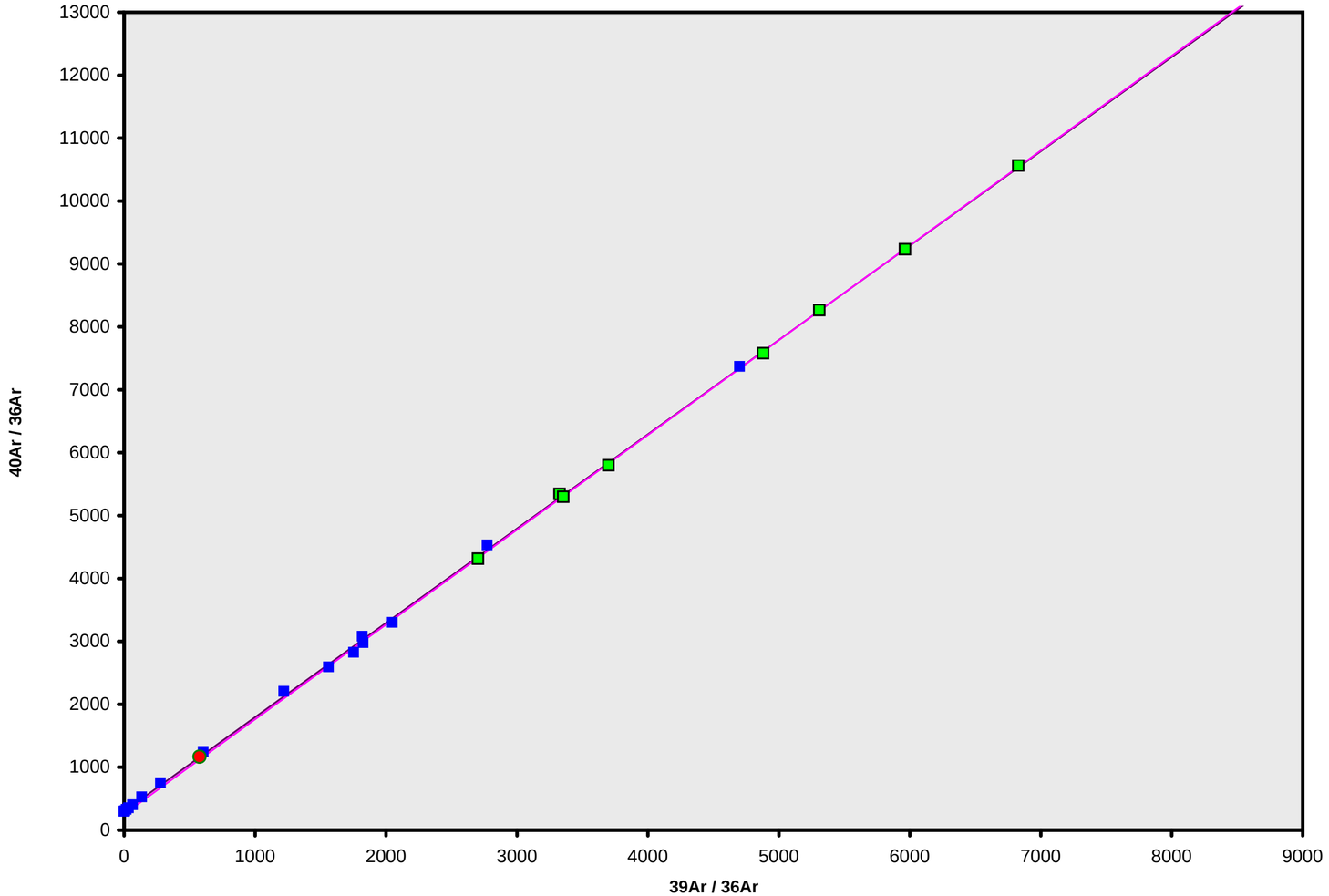
Sample Info

Groundmass 210-300µm
Savai'i Island, Samoa
Jamie Russell

IRR = OSU2F06
J = 0.00187090 ± 0.00000655

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

06C3034.AGE >>> SAV-1 2F15-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
5.07 ± 0.04
TOTAL FUSION
5.10 ± 0.04
NORMAL ISOCHRON
5.09 ± 0.08
INVERSE ISOCHRON
5.05 ± 0.09

MSWD (PROBABILITY)
1.82 (9%)

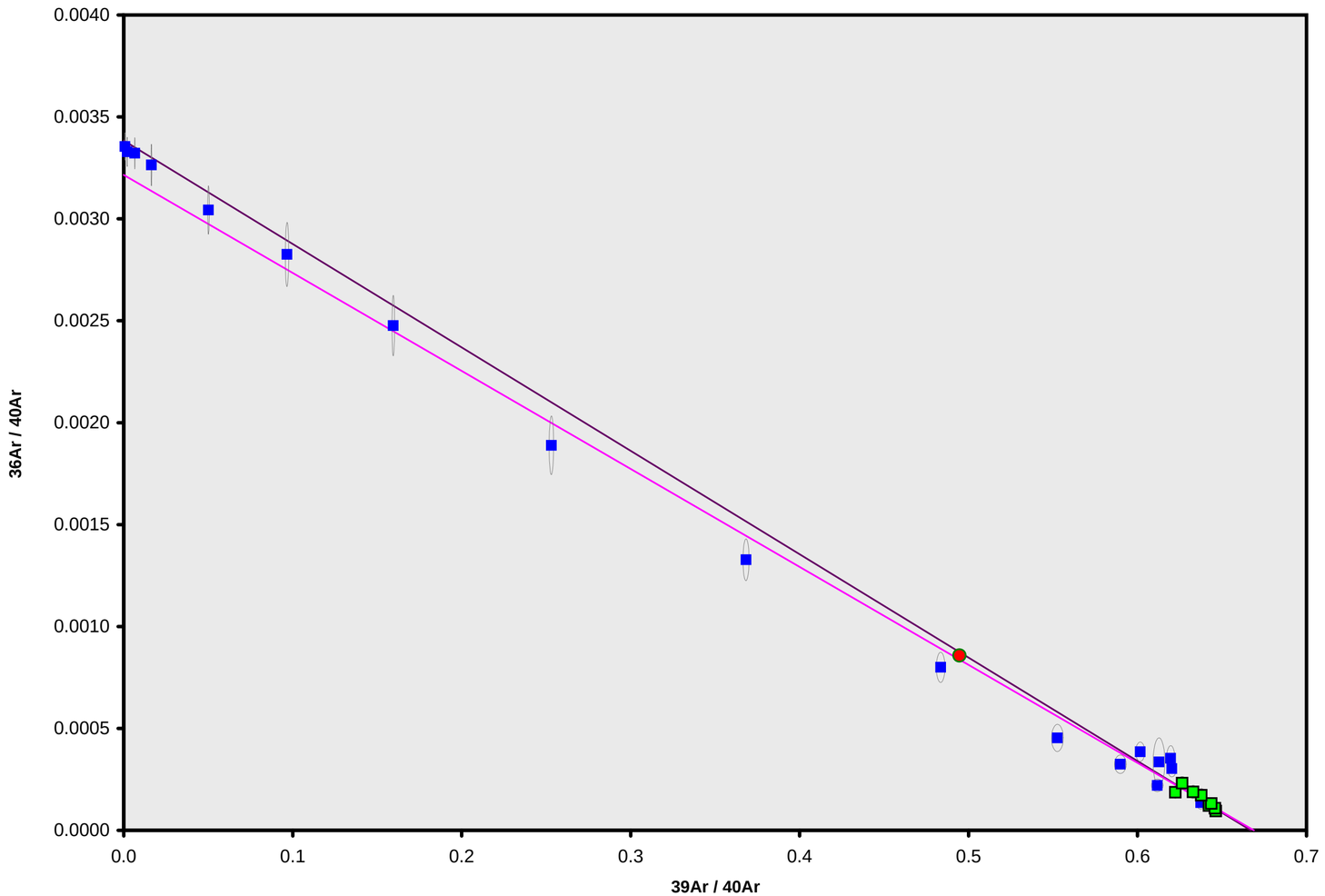
40AR/36AR INTERCEPT
253.3 ± 87.8

Sample Info

Groundmass 210-300µm
Savai'i Island, Samoa
Jamie Russell

IRR = OSU2F06
J = 0.00187090 ± 0.00000655

06C3034.AGE >>> SAV-1 2F15-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
5.07 ± 0.04
TOTAL FUSION
5.10 ± 0.04
NORMAL ISOCHRON
5.09 ± 0.08
INVERSE ISOCHRON
5.05 ± 0.09

MSWD (PROBABILITY)
1.99 (6%)

SPREADING FACTOR
3.6%

40AR/36AR INTERCEPT
311.0 ± 114.1

Sample Info

Groundmass 210-300µm
Savai'i Island, Samoa
Jamie Russell

IRR = OSU2F06
J = 0.00187090 ± 0.00000655