Incremental Heating			36Ar(a)	37Ar(ca)	38Ar(cl)	39Ar(k)	40Ar(r)	Age ± 2σ (Ma)	40Ar(r) (%)	39Ar(k) (%)	K/Ca ± 2σ
06C2898	0.00 W		0.004147	0.001063	0.000006	0.000720	0.010074	48.16 ± 99.76	0.82	0.01	0.29 ± 0.04
06C2899	0.01 W		0.002438	0.001977	0.000019	0.001584	0.003585	7.88 ± 27.78	0.50	0.03	0.34 ± 0.03
06C2901	0.09 W		0.001444	0.003778	0.000059	0.003487	0.012943	12.91 ± 13.01	2.94	0.06	0.40 ± 0.02
06C2902	0.12 W		0.000760	0.004788	0.000048	0.004674	0.008496	6.33 ± 6.73	3.65	0.08	0.42 ± 0.02
06C2903	0.18 W		0.000708	0.014575	0.000088	0.014748	0.032545	7.69 ± 2.14	13.46	0.26	0.44 ± 0.02
06C2905	0.21 W	✓	0.000391	0.013299	0.000064	0.013986	0.021201	5.28 ± 2.18	15.50	0.24	0.45 ± 0.02
06C2906	0.27 W	✓	0.000387	0.021762	0.000071	0.022684	0.035184	5.41 ± 1.23	23.52	0.39	0.45 ± 0.02
06C2907	0.30 W	✓	0.000356	0.031151	0.000089	0.032038	0.050603	5.50 ± 0.91	32.44	0.56	0.44 ± 0.02
06C2909	0.35 W	✓	0.000337	0.048032	0.000108	0.049788	0.073303	5.13 ± 0.50	42.35	0.87	0.45 ± 0.02
06C2910	0.44 W	✓	0.000263	0.062569	0.000138	0.068143	0.102369	5.24 ± 0.52	56.81	1.19	0.47 ± 0.02
06C2911	0.53 W	✓	0.000298	0.106141	0.000227	0.124872	0.185978	5.19 ± 0.30	67.79	2.17	0.51 ± 0.02
06C2913	0.65 W	✓	0.000302	0.140954	0.000278	0.189634	0.278942	5.13 ± 0.15	75.72	3.30	0.58 ± 0.02
06C2914	0.80 W	✓	0.000400	0.182156	0.000344	0.273649	0.392588	5.00 ± 0.11	76.78	4.76	0.65 ± 0.03
06C2915	0.97 W	✓	0.000479	0.229754	0.000504	0.369337	0.534623	5.04 ± 0.08	79.01	6.43	0.69 ± 0.03
06C2917	1.24 W	✓	0.000433	0.242019	0.000736	0.415566	0.600960	5.04 ± 0.07	82.37	7.23	0.74 ± 0.03
06C2918	1.44 W	✓	0.000757	0.370548	0.001430	0.626330	0.904142	5.03 ± 0.06	80.10	10.90	0.73 ± 0.03
06C2919	1.74 W	✓	0.000945	0.346339	0.001828	0.640083	0.927901	5.05 ± 0.05	76.80	11.14	0.79 ± 0.03
06C2921	1.97 W	✓	0.001062	0.457646	0.003150	0.810379	1.166250	5.02 ± 0.06	78.73	14.10	0.76 ± 0.03
06C2922	2.30 W	✓	0.001150	0.260244	0.001726	0.518199	0.744636	5.01 ± 0.06	68.62	9.02	0.86 ± 0.04
06C2923	2.56 W	✓	0.001509	0.167934	0.001066	0.349969	0.505703	5.04 ± 0.13	53.11	6.09	0.90 ± 0.04
06C2925	3.07 W	✓	0.001885	0.167418	0.001233	0.345581	0.504604	5.09 ± 0.11	47.50	6.01	0.89 ± 0.04
06C2926	3.45 W	✓	0.003172	0.144519	0.001126	0.271844	0.390262	5.00 ± 0.21	29.39	4.73	0.81 ± 0.03
06C2927	4.04 W	✓	0.005576	0.174234	0.001547	0.273475	0.400808	5.11 ± 0.34	19.56	4.76	0.67 ± 0.03
06C2928	4.83 W	✓	0.009075	0.245993	0.002455	0.326638	0.469342	5.01 ± 0.41	14.89	5.68	0.57 ± 0.02
		Σ	0.038274	3.438891	0.018341	5.747408	8.357043				

Information on Analysis

Sample = SAV-3 2F12-06
Material = Groundmass 210-300µm
Location = Savai'i Island, Samoa
Analyst = Jamie Russell
Project = SAMOA
Mass Discrimination Law = LIN
Irradiation = OSU2F06
J = 0.00193000 ± 0.00000579
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	1.4449 ± 0.0065	5.04 ± 0.04	0.46	99.56	0.58 ± 0.07
	± 0.45%	± 0.75%	98%	19	
	Minimal External Error ± 0.10		1.33	2σ Confidence Limit	
	Analytical Error ± 0.02		1.0000	Error Magnification	
Total Fusion Age	1.4541 ± 0.0123	5.07 ± 0.05		24	0.72 ± 0.03
	± 0.84%	± 1.03%			
	Minimal External Error ± 0.10				
	Analytical Error ± 0.04				

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
06C2898	0.00 W		0.2 ± 0.0	297.9 ± 5.1	0.3460
06C2899	0.01 W		0.6 ± 0.0	297.0 ± 5.2	0.6659
06C2901	0.09 W		2.4 ± 0.1	304.5 ± 9.3	0.9183
06C2902	0.12 W		6.2 ± 0.3	306.7 ± 12.3	0.9699
06C2903	0.18 W		20.8 ± 0.9	341.4 ± 14.8	0.9874
06C2905	0.21 W	✓	35.8 ± 2.7	349.7 ± 26.5	0.9907
06C2906	0.27 W	✓	58.6 ± 4.1	386.4 ± 26.9	0.9917
06C2907	0.30 W	✓	89.9 ± 7.1	437.5 ± 34.8	0.9940
06C2909	0.35 W	✓	147.6 ± 10.5	512.8 ± 36.7	0.9939
06C2910	0.44 W	✓	259.1 ± 33.4	684.8 ± 88.2	0.9970
06C2911	0.53 W	✓	418.6 ± 50.5	919.0 ± 110.9	0.9982
06C2913	0.65 W	✓	628.6 ± 57.6	1220.2 ± 111.7	0.9979
06C2914	0.80 W	✓	683.8 ± 49.0	1276.5 ± 91.4	0.9973
06C2915	0.97 W	✓	771.7 ± 44.0	1412.6 ± 80.4	0.9968
06C2917	1.24 W	✓	959.5 ± 59.7	1683.1 ± 104.6	0.9973
06C2918	1.44 W	✓	827.6 ± 34.7	1490.1 ± 62.3	0.9945
06C2919	1.74 W	✓	677.3 ± 21.8	1277.4 ± 40.9	0.9928
06C2921	1.97 W	✓	763.4 ± 27.1	1394.1 ± 48.8	0.9852
06C2922	2.30 W	✓	450.7 ± 10.4	943.2 ± 21.4	0.9845
06C2923	2.56 W	✓	231.9 ± 6.7	630.7 ± 18.0	0.9927
06C2925	3.07 W	✓	183.3 ± 3.7	563.2 ± 11.2	0.9787
06C2926	3.45 W	✓	85.7 ± 1.5	418.5 ± 7.3	0.9605
06C2927	4.04 W	✓	49.0 ± 0.8	367.4 ± 6.0	0.9741
06C2928	4.83 W	✓	36.0 ± 0.5	347.2 ± 5.0	0.9575

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	296.2230 ± 2.7041 ± 0.91%	1.4431 ± 0.0085 ± 0.59%	5.03 ± 0.04 ± 0.84%	0.44 98%
			Minimal External Error ± 0.10	
			Analytical Error ± 0.03	

Statistics				
	2σ Confidence Limit	1.69	Convergence	0.0000135731
	Error Magnification	1.0000	Number of Iterations	32
	Number of Data Points	19	Calculated Line	Weighted York-2

Inverse Isochron			39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
06C2898	0.00 W		0.000583 ± 0.000027	0.003357 ± 0.000058	0.0047
06C2899	0.01 W		0.002187 ± 0.000043	0.003367 ± 0.000059	0.0112
06C2901	0.09 W		0.007929 ± 0.000104	0.003284 ± 0.000101	0.0201
06C2902	0.12 W		0.020063 ± 0.000199	0.003261 ± 0.000131	0.0844
06C2903	0.18 W		0.060980 ± 0.000419	0.002929 ± 0.000127	0.0794
06C2905	0.21 W	✓	0.102262 ± 0.001055	0.002859 ± 0.000217	0.0959
06C2906	0.27 W	✓	0.151653 ± 0.001362	0.002588 ± 0.000180	0.0949
06C2907	0.30 W	✓	0.205477 ± 0.001785	0.002286 ± 0.000182	0.0859
06C2909	0.35 W	✓	0.287796 ± 0.002279	0.001950 ± 0.000140	0.0802
06C2910	0.44 W	✓	0.378399 ± 0.003773	0.001460 ± 0.000188	0.0388
06C2911	0.53 W	✓	0.455528 ± 0.003275	0.001088 ± 0.000131	0.0349
06C2913	0.65 W	✓	0.515194 ± 0.003053	0.000820 ± 0.000075	0.0275
06C2914	0.80 W	✓	0.535680 ± 0.002824	0.000783 ± 0.000056	0.0204
06C2915	0.97 W	✓	0.546317 ± 0.002508	0.000708 ± 0.000040	0.0270
06C2917	1.24 W	✓	0.570094 ± 0.002613	0.000594 ± 0.000037	0.0220
06C2918	1.44 W	✓	0.555362 ± 0.002431	0.000671 ± 0.000028	0.0289
06C2919	1.74 W	✓	0.530240 ± 0.002049	0.000783 ± 0.000025	0.0170
06C2921	1.97 W	✓	0.547576 ± 0.003334	0.000717 ± 0.000025	0.0056
06C2922	2.30 W	✓	0.477878 ± 0.001930	0.001060 ± 0.000024	0.0077
06C2923	2.56 W	✓	0.367782 ± 0.001275	0.001586 ± 0.000045	0.0104
06C2925	3.07 W	✓	0.325513 ± 0.001344	0.001776 ± 0.000035	0.0335
06C2926	3.45 W	✓	0.204778 ± 0.001025	0.002389 ± 0.000041	0.0069
06C2927	4.04 W	✓	0.133503 ± 0.000507	0.002722 ± 0.000045	0.0075
06C2928	4.83 W	✓	0.103657 ± 0.000440	0.002880 ± 0.000041	0.0873

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	296.2198 ± 2.7046 ± 0.91%	1.4435 ± 0.0085 ± 0.59%	5.03 ± 0.04 ± 0.84%	0.47 97%
		Minimal External Error	± 0.10	
		Analytical Error	± 0.03	

Statistics				
	2σ Confidence Limit	1.69	Convergence	0.0000096128
	Error Magnification	1.0000	Number of Iterations	3
	Number of Data Points	19	Calculated Line	Weighted York-2
	Spreading Factor	67.5%		

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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
06C2898	0.00 W		0.0041471	0.857	0.0010626	6.770	0.0007896	2.549	0.0007210	2.305	1.2354527	0.097	48.16 ± 99.76	0.82	0.01	0.29 ± 0.04
06C2899	0.01 W		0.0024390	0.873	0.0019774	3.977	0.0004937	3.912	0.0015849	0.966	0.7241488	0.098	7.88 ± 27.78	0.50	0.03	0.34 ± 0.03
06C2901	0.09 W		0.0014455	1.525	0.0037784	2.007	0.0003709	5.617	0.0034896	0.639	0.4397824	0.142	12.91 ± 13.01	2.94	0.06	0.40 ± 0.02
06C2902	0.12 W		0.0007609	1.988	0.0047878	1.613	0.0002468	8.384	0.0046771	0.402	0.2329618	0.290	6.33 ± 6.73	3.65	0.08	0.42 ± 0.02
06C2903	0.18 W		0.0007122	2.140	0.0145750	0.807	0.0003996	5.120	0.0147582	0.242	0.2418717	0.243	7.69 ± 2.14	13.46	0.26	0.44 ± 0.02
06C2905	0.21 W	✓	0.0003947	3.730	0.0132987	0.996	0.0003068	5.690	0.0139954	0.280	0.1367891	0.433	5.28 ± 2.18	15.50	0.24	0.45 ± 0.02
06C2906	0.27 W	✓	0.0003930	3.412	0.0217619	0.866	0.0004187	4.520	0.0226994	0.230	0.1496155	0.385	5.41 ± 1.23	23.52	0.39	0.45 ± 0.02
06C2907	0.30 W	✓	0.0003648	3.867	0.0311507	0.692	0.0005447	3.623	0.0320602	0.201	0.1559735	0.385	5.50 ± 0.91	32.44	0.56	0.44 ± 0.02
06C2909	0.35 W	✓	0.0003503	3.434	0.0480319	0.611	0.0007760	2.462	0.0498219	0.207	0.1730790	0.337	5.13 ± 0.50	42.35	0.87	0.45 ± 0.02
06C2910	0.44 W	✓	0.0002798	6.041	0.0625689	0.614	0.0010145	2.187	0.0681872	0.352	0.1801947	0.352	5.24 ± 0.52	56.81	1.19	0.47 ± 0.02
06C2911	0.53 W	✓	0.0003269	5.498	0.1061414	0.730	0.0017982	1.041	0.1249472	0.231	0.2743315	0.274	5.19 ± 0.30	67.79	2.17	0.51 ± 0.02
06C2913	0.65 W	✓	0.0003396	4.061	0.1409537	0.664	0.0026352	1.052	0.1897342	0.224	0.3683957	0.192	5.13 ± 0.15	75.72	3.30	0.58 ± 0.02
06C2914	0.80 W	✓	0.0004492	3.185	0.1821560	0.644	0.0037381	0.756	0.2737778	0.224	0.5112949	0.137	5.00 ± 0.11	76.78	4.76	0.65 ± 0.03
06C2915	0.97 W	✓	0.0005405	2.517	0.2297541	0.595	0.0050739	0.754	0.3695000	0.187	0.6766589	0.131	5.04 ± 0.08	79.01	6.43	0.69 ± 0.03
06C2917	1.24 W	✓	0.0004983	2.697	0.2420187	0.624	0.0058574	0.483	0.4157376	0.192	0.7296280	0.123	5.04 ± 0.07	82.37	7.23	0.74 ± 0.03
06C2918	1.44 W	✓	0.0008567	1.842	0.3705483	0.582	0.0091685	0.428	0.6265929	0.186	1.1288206	0.113	5.03 ± 0.06	80.10	10.90	0.73 ± 0.03
06C2919	1.74 W	✓	0.0010385	1.452	0.3463387	0.695	0.0097670	0.429	0.6403285	0.179	1.2082139	0.069	5.05 ± 0.05	76.80	11.14	0.79 ± 0.03
06C2921	1.97 W	✓	0.0011852	1.564	0.4576457	0.651	0.0131772	0.423	0.8107031	0.299	1.4812753	0.050	5.02 ± 0.06	78.73	14.10	0.76 ± 0.03
06C2922	2.30 W	✓	0.0012200	1.067	0.2602438	0.696	0.0082250	0.712	0.5183840	0.197	1.0852301	0.037	5.01 ± 0.06	68.62	9.02	0.86 ± 0.04
06C2923	2.56 W	✓	0.0015542	1.388	0.1679335	0.632	0.0055920	0.536	0.3500882	0.166	0.9521444	0.049	5.04 ± 0.13	53.11	6.09	0.90 ± 0.04
06C2925	3.07 W	✓	0.0019303	0.964	0.1674181	0.581	0.0057759	0.777	0.3457000	0.189	1.0622201	0.082	5.09 ± 0.11	47.50	6.01	0.89 ± 0.04
06C2926	3.45 W	✓	0.0032108	0.855	0.1445189	0.576	0.0050151	0.472	0.2719465	0.247	1.3279522	0.038	5.00 ± 0.21	29.39	4.73	0.81 ± 0.03
06C2927	4.04 W	✓	0.0056229	0.812	0.1742336	0.669	0.0059069	0.587	0.2735986	0.187	2.0489098	0.034	5.11 ± 0.34	19.56	4.76	0.67 ± 0.03
06C2928	4.83 W	✓	0.0091421	0.706	0.2459927	0.666	0.0081142	0.474	0.3268128	0.178	3.1516890	0.115	5.01 ± 0.41	14.89	5.68	0.57 ± 0.02
		Σ	0.0392024	0.297	3.4388907	0.176	0.0952059	0.163	5.7498461	0.063	19.6766338	0.026				

Information on Analysis and Constants Used in Calculations

Sample = SAV-3 2F12-06
Material = Groundmass 210-300µm
Location = Savai'i Island, Samoa
Analyst = Jamie Russell
Project = SAMOA
Mass Discrimination Law = LIN
Irradiation = OSU2F06
J = 0.00193000 ± 0.00000579
FCT-3 = 28.030 ± 0.003 Ma
IGSN = KOP000008
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	1.4449 ± 0.0065 ± 0.45%	5.04 ± 0.04 ± 0.75%	0.46 98%	99.56 19	0.58 ± 0.07
	Minimal External Error ± 0.10		1.33	2σ Confidence Limit	
	Analytical Error ± 0.02		1.0000	Error Magnification	
Total Fusion Age	1.4541 ± 0.0123 ± 0.84%	5.07 ± 0.05 ± 1.03%		24	0.72 ± 0.03
	Minimal External Error ± 0.10				
	Analytical Error ± 0.04				
Normal Isochron	1.4431 ± 0.0085 ± 0.59%	5.03 ± 0.04 ± 0.84%	0.44 98%	99.56 19	
	Minimal External Error ± 0.10		1.69	2σ Confidence Limit	
	Analytical Error ± 0.03		1.0000	Error Magnification	
Inverse Isochron	1.4435 ± 0.0085 ± 0.59%	5.03 ± 0.04 ± 0.84%	0.47 97%	99.56 19	
	Minimal External Error ± 0.10		1.69	2σ Confidence Limit	
	Analytical Error ± 0.03		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
06C2898	0.00 W		0.004147	0.86	0.000000	0.00	0.000000	6.78	0.000000	362.95	0.001063	6.77	0.000775	0.86	0.000000	0.00	0.000009	2.31	0.000000	22.92	0.000006	362.99	0.000720	2.31	0.000001	7.01	0.010074	104.92	1.225378	0.86	0.000000	0.00	0.000001	25.01
06C2899	0.01 W		0.002438	0.87	0.000000	0.00	0.000001	3.99	0.000000	105.37	0.001977	3.98	0.000456	0.87	0.000000	0.00	0.000019	0.97	0.000000	22.26	0.000019	105.51	0.001584	0.97	0.000001	4.38	0.003585	176.59	0.720562	0.87	0.000000	0.00	0.000003	24.92
06C2901	0.09 W		0.001444	1.53	0.000000	0.00	0.000001	2.04	0.000000	36.64	0.003778	2.01	0.000270	1.53	0.000000	0.00	0.000042	0.65	0.000000	21.99	0.000059	37.03	0.003487	0.64	0.000003	2.72	0.012943	50.56	0.426833	1.53	0.000000	0.00	0.000006	24.91
06C2902	0.12 W		0.000760	1.99	0.000000	0.00	0.000001	1.65	0.000000	43.74	0.004788	1.61	0.000142	1.99	0.000000	0.00	0.000057	0.41	0.000000	21.96	0.000048	44.07	0.004674	0.40	0.000003	2.44	0.008496	53.22	0.224458	1.99	0.000000	0.00	0.000008	24.90
06C2903	0.18 W		0.000708	2.15	0.000000	0.00	0.000004	0.89	0.000000	24.05	0.014575	0.81	0.000132	2.15	0.000000	0.00	0.000179	0.26	0.000000	21.91	0.000088	24.65	0.014748	0.24	0.000010	2.00	0.032545	13.95	0.209302	2.15	0.000000	0.00	0.000024	24.90
06C2905	0.21 W	✓	0.000391	3.76	0.000000	0.00	0.000004	1.06	0.000000	28.19	0.013299	1.00	0.000073	3.76	0.000000	0.00	0.000169	0.30	0.000000	21.92	0.000064	28.70	0.013986	0.28	0.000009	2.08	0.021201	20.71	0.115565	3.76	0.000000	0.00	0.000023	24.90
06C2906	0.27 W	✓	0.000387	3.46	0.000000	0.00	0.000006	0.94	0.000000	27.46	0.021762	0.87	0.000072	3.46	0.000000	0.00	0.000275	0.25	0.000001	21.92	0.000071	27.99	0.022684	0.23	0.000015	2.02	0.035184	11.38	0.114394	3.46	0.000000	0.00	0.000037	24.90
06C2907	0.30 W	✓	0.000356	3.96	0.000000	0.00	0.000008	0.78	0.000000	23.00	0.031151	0.69	0.000067	3.96	0.000000	0.00	0.000388	0.22	0.000001	21.91	0.000089	23.62	0.032038	0.20	0.000022	1.96	0.050603	8.32	0.105318	3.96	0.000000	0.00	0.000053	24.90
06C2909	0.35 W	✓	0.000337	3.57	0.000000	0.00	0.000013	0.71	0.000000	18.59	0.048032	0.61	0.000063	3.57	0.000000	0.00	0.000603	0.23	0.000002	21.91	0.000108	19.35	0.049788	0.21	0.000034	1.93	0.073303	4.92	0.099694	3.57	0.000000	0.00	0.000082	24.90
06C2910	0.44 W	✓	0.000263	6.43	0.000000	0.00	0.000017	0.72	0.000000	17.24	0.062569	0.61	0.000049	6.43	0.000000	0.00	0.000825	0.37	0.000002	21.91	0.000138	18.06	0.068143	0.35	0.000044	1.93	0.102369	4.92	0.077713	6.43	0.000000	0.00	0.000112	24.90
06C2911	0.53 W	✓	0.000298	6.03	0.000000	0.00	0.000029	0.82	0.000000	10.11	0.106141	0.73	0.000056	6.03	0.000000	0.00	0.001512	0.25	0.000003	21.91	0.000227	11.45	0.124872	0.23	0.000075	1.97	0.185978	2.88	0.088148	6.03	0.000000	0.00	0.000206	24.90
06C2913	0.65 W	✓	0.000302	4.57	0.000000	0.00	0.000038	0.76	0.000000	11.56	0.140954	0.66	0.000056	4.57	0.000000	0.00	0.002296	0.25	0.000005	21.91	0.000278	12.76	0.189634	0.22	0.000100	1.95	0.278942	1.48	0.089140	4.57	0.000000	0.00	0.000313	24.90
06C2914	0.80 W	✓	0.000400	3.58	0.000000	0.00	0.000049	0.74	0.000000	10.15	0.182156	0.64	0.000075	3.58	0.000000	0.00	0.003314	0.25	0.000006	21.91	0.000344	11.49	0.273649	0.22	0.000129	1.94	0.392588	1.09	0.118255	3.58	0.000000	0.00	0.000452	24.90
06C2915	0.97 W	✓	0.000479	2.84	0.000000	0.00	0.000062	0.70	0.000000	9.51	0.229754	0.59	0.000089	2.84	0.000000	0.00	0.004473	0.21	0.000007	21.91	0.000504	10.93	0.369337	0.19	0.000163	1.92	0.534623	0.77	0.141427	2.84	0.000000	0.00	0.000609	24.90
06C2917	1.24 W	✓	0.000433	3.11	0.000000	0.00	0.000065	0.73	0.000000	6.79	0.242019	0.62	0.000081	3.11	0.000000	0.00	0.005033	0.22	0.000008	21.91	0.000736	8.67	0.415566	0.19	0.000172	1.93	0.600960	0.68	0.127982	3.11	0.000000	0.00	0.000686	24.90
06C2918	1.44 W	✓	0.000757	2.09	0.000000	0.00	0.000100	0.69	0.000000	6.15	0.370548	0.58	0.000141	2.09	0.000000	0.00	0.007585	0.21	0.000012	21.91	0.001430	8.18	0.626330	0.19	0.000263	1.92	0.904142	0.54	0.223645	2.09	0.000000	0.00	0.001033	24.90
06C2919	1.74 W	✓	0.000945	1.60	0.000000	0.00	0.000093	0.79	0.000000	5.92	0.346339	0.69	0.000177	1.60	0.000000	0.00	0.007751	0.21	0.000011	21.91	0.001828	8.00	0.640083	0.18	0.000246	1.96	0.927901	0.49	0.279257	1.60	0.000000	0.00	0.001056	24.90
06C2921	1.97 W	✓	0.001062	1.75	0.000000	0.00	0.000123	0.75	0.000000	5.76	0.457646	0.65	0.000198	1.75	0.000000	0.00	0.009814	0.32	0.000015	21.91	0.003150	7.88	0.810379	0.30	0.000324	1.94	1.166250	0.48	0.313688	1.75	0.000000	0.00	0.001337	24.90
06C2922	2.30 W	✓	0.001150	1.13	0.000000	0.00	0.000070	0.79	0.000000	6.42	0.260244	0.70	0.000215	1.13	0.000000	0.00	0.006275	0.22	0.000008	21.91	0.001726	8.38	0.518199	0.20	0.000185	1.96	0.744636	0.52	0.339739	1.13	0.000000	0.00	0.000855	24.90
06C2923	2.56 W	✓	0.001509	1.43	0.000000	0.00	0.000045	0.73	0.000000	6.14	0.167934	0.63	0.000282	1.43	0.000000	0.00	0.004238	0.19	0.000005	21.91	0.001066	8.16	0.349969	0.17	0.000119	1.94	0.505703	1.26	0.445864	1.43	0.000000	0.00	0.000577	24.90
06C2925	3.07 W	✓	0.001885	0.99	0.000000	0.00	0.000045	0.69	0.000000	6.55	0.167418	0.58	0.000352	0.99	0.000000	0.00	0.004185	0.21	0.000005	21.91	0.001233	8.48	0.345581	0.19	0.000119	1.92	0.504604	1.10	0.557046	0.99	0.000000	0.00	0.000570	24.90
06C2926	3.45 W	✓	0.003172	0.87	0.000000	0.00	0.000039	0.68	0.000000	5.85	0.144519	0.58	0.000593	0.87	0.000000	0.00	0.003292	0.27	0.000005	21.91	0.001126	7.95	0.271844	0.25	0.000102	1.92	0.390262	2.08	0.937241	0.87	0.000000	0.00	0.000449	24.90
06C2927	4.04 W	✓	0.005576	0.82	0.000000	0.00	0.000047	0.76	0.000000	5.88	0.174234	0.67	0.001042	0.82	0.000000	0.00	0.003312	0.21	0.000006	21.91	0.001547	7.97	0.273475	0.19	0.000124	1.95	0.400808	3.37	1.647651	0.82	0.000000	0.00	0.000451	24.90
06C2928	4.83 W	✓	0.009075	0.71	0.000000	0.00	0.000066	0.76	0.000000	5.64	0.245993	0.67	0.001696	0.71	0.000000	0.00	0.003956	0.20	0.000008	21.91	0.002455	7.80	0.326638	0.18	0.000174	1.95	0.469342	4.14	2.681808	0.71	0.000000	0.00	0.000539	24.90
		Σ	0.038274	0.30	0.000000	0.00	0.000925	0.20	0.000003	1.88	3.438891	0.18	0.007153	0.30	0.000000	0.00	0.069601	0.07	0.000110	6.00	0.018341	2.51	5.747408	0.06	0.002438	0.53	8.357043	0.42	11.310108	0.30	0.000000	0.00	0.009483	7.08
		Σ							0.039202	0.30	3.438891	0.18									0.095206	0.49			5.749846	0.06							19.676634	0.25

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)
06C2898	0.00 W		13.985842	14.67726	1.235452	0.00120	1713.446283	39.52298	1.473753	0.10540	5.751577	0.14142	80.936	4.96061232	1.00057228	1.250E-19
06C2899	0.01 W		2.263713	3.99760	0.724146	0.00071	456.895177	4.43695	1.247618	0.05106	1.538855	0.02004	80.958	4.96272210	1.00057243	7.328E-20
06C2901	0.09 W		3.711978	1.87702	0.439777	0.00062	126.026401	0.82517	1.082755	0.02281	0.414222	0.00685	81.001	4.96694436	1.00057273	4.451E-20
06C2902	0.12 W		1.817755	0.96750	0.232954	0.00068	49.809208	0.24715	1.023672	0.01702	0.162683	0.00330	81.022	4.96898868	1.00057288	2.358E-20
06C2903	0.18 W		2.206754	0.30798	0.241847	0.00059	16.388974	0.05624	0.987586	0.00832	0.048260	0.00104	81.043	4.97110202	1.00057303	2.448E-20
06C2905	0.21 W	✓	1.515910	0.31393	0.136766	0.00059	9.773890	0.05040	0.950225	0.00983	0.028200	0.00105	81.085	4.97526317	1.00057333	1.384E-20
06C2906	0.27 W	✓	1.551047	0.17654	0.149578	0.00058	6.591176	0.02959	0.958700	0.00860	0.017313	0.00059	81.106	4.97731091	1.00057348	1.514E-20
06C2907	0.30 W	✓	1.579462	0.13148	0.155921	0.00060	4.865018	0.02112	0.971631	0.00700	0.011379	0.00044	81.128	4.97942779	1.00057363	1.578E-20
06C2909	0.35 W	✓	1.472305	0.07243	0.172997	0.00058	3.473957	0.01374	0.964074	0.00622	0.007031	0.00024	81.176	4.98421117	1.00057397	1.752E-20
06C2910	0.44 W	✓	1.502276	0.07409	0.180082	0.00064	2.642645	0.01316	0.917605	0.00650	0.004104	0.00025	81.198	4.98633099	1.00057413	1.824E-20
06C2911	0.53 W	✓	1.489350	0.04310	0.274125	0.00075	2.195580	0.00788	0.849490	0.00650	0.002616	0.00014	81.219	4.98838329	1.00057427	2.776E-20
06C2913	0.65 W	✓	1.470949	0.02207	0.368083	0.00071	1.941641	0.00573	0.742901	0.00521	0.001790	0.00007	81.261	4.99255890	1.00057457	3.728E-20
06C2914	0.80 W	✓	1.434644	0.01600	0.510843	0.00071	1.867554	0.00490	0.665343	0.00453	0.001641	0.00005	81.283	4.99468227	1.00057472	5.174E-20
06C2915	0.97 W	✓	1.447520	0.01148	0.676050	0.00090	1.831283	0.00418	0.621797	0.00388	0.001463	0.00004	81.303	4.99673800	1.00057487	6.848E-20
06C2917	1.24 W	✓	1.446124	0.01020	0.728942	0.00091	1.755021	0.00400	0.582143	0.00380	0.001199	0.00003	81.346	5.00092061	1.00057517	7.384E-20
06C2918	1.44 W	✓	1.443555	0.00819	1.127787	0.00130	1.801522	0.00392	0.591370	0.00362	0.001367	0.00003	81.367	5.00304754	1.00057532	1.142E-19
06C2919	1.74 W	✓	1.449657	0.00756	1.207158	0.00087	1.886866	0.00362	0.540877	0.00388	0.001622	0.00002	81.388	5.00510671	1.00057547	1.223E-19
06C2921	1.97 W	✓	1.439143	0.00808	1.479938	0.00081	1.827149	0.00554	0.564505	0.00404	0.001462	0.00002	81.766	5.04259384	1.00057814	1.499E-19
06C2922	2.30 W	✓	1.436968	0.00800	1.084375	0.00046	2.093487	0.00421	0.502029	0.00363	0.002353	0.00003	81.787	5.04473849	1.00057829	1.098E-19
06C2923	2.56 W	✓	1.444994	0.01842	0.951567	0.00048	2.719728	0.00469	0.479689	0.00313	0.004439	0.00006	81.808	5.04681483	1.00057844	9.636E-20
06C2925	3.07 W	✓	1.460159	0.01635	1.061650	0.00088	3.072664	0.00633	0.484287	0.00296	0.005584	0.00005	81.851	5.05103935	1.00057873	1.075E-19
06C2926	3.45 W	✓	1.435612	0.03010	1.327504	0.00051	4.883138	0.01222	0.531424	0.00333	0.011807	0.00011	81.872	5.05318759	1.00057889	1.344E-19
06C2927	4.04 W	✓	1.465609	0.04951	2.048459	0.00070	7.488743	0.01422	0.636822	0.00442	0.020552	0.00017	81.895	5.05547543	1.00057905	2.073E-19
06C2928	4.83 W	✓	1.436887	0.05950	3.151150	0.00364	9.643715	0.02044	0.752702	0.00519	0.027973	0.00020	81.917	5.05769494	1.00057921	3.190E-19

Procedure Blanks		36Ar	1σ	37Ar	1σ	38Ar	1σ	39Ar	1σ	40Ar	1σ
06C2898	0.00 W	0.000231	0.000009	0.000021	0.000013	0.000059	0.000017	0.000076	0.000010	0.063842	0.000585
06C2899	0.01 W	0.000231	0.000009	0.000029	0.000013	0.000050	0.000017	0.000069	0.000010	0.063606	0.000581
06C2901	0.09 W	0.000226	0.000009	0.000037	0.000013	0.000037	0.000017	0.000057	0.000010	0.062644	0.000574
06C2902	0.12 W	0.000222	0.000009	0.000039	0.000013	0.000033	0.000017	0.000053	0.000010	0.062020	0.000572
06C2903	0.18 W	0.000218	0.000009	0.000038	0.000013	0.000030	0.000017	0.000049	0.000010	0.061319	0.000569
06C2905	0.21 W	0.000209	0.000009	0.000034	0.000013	0.000028	0.000017	0.000044	0.000010	0.059927	0.000566
06C2906	0.27 W	0.000205	0.000009	0.000031	0.000013	0.000027	0.000017	0.000042	0.000010	0.059312	0.000565
06C2907	0.30 W	0.000201	0.000009	0.000028	0.000013	0.000028	0.000017	0.000041	0.000010	0.058775	0.000564
06C2909	0.35 W	0.000195	0.000009	0.000022	0.000013	0.000030	0.000017	0.000041	0.000010	0.058144	0.000564
06C2910	0.44 W	0.000194	0.000009	0.000021	0.000013	0.000032	0.000017	0.000042	0.000010	0.058215	0.000565
06C2911	0.53 W	0.000195	0.000009	0.000021	0.000013	0.000034	0.000017	0.000043	0.000010	0.058542	0.000566
06C2913	0.65 W	0.000201	0.000009	0.000026	0.000013	0.000036	0.000017	0.000047	0.000010	0.060144	0.000569
06C2914	0.80 W	0.000208	0.000009	0.000033	0.000013	0.000037	0.000017	0.000050	0.000010	0.061518	0.000571
06C2915	0.97 W	0.000216	0.000009	0.000042	0.000013	0.000037	0.000017	0.000053	0.000010	0.063258	0.000574
06C2917	1.24 W	0.000242	0.000009	0.000070	0.000013	0.000036	0.000017	0.000061	0.000010	0.068189	0.000580
06C2918	1.44 W	0.000259	0.000009	0.000090	0.000013	0.000033	0.000017	0.000065	0.000010	0.071489	0.000584
06C2919	1.74 W	0.000228	0.000011	0.000057	0.000006	0.000034	0.000018	0.000056	0.000013	0.065414	0.000035
06C2921	1.97 W	0.000097	0.000014	0.000029	0.000012	0.000020	0.000012	0.000004	0.000012	0.030348	0.000066
06C2922	2.30 W	0.000258	0.000008	0.000122	0.000007	0.000072	0.000011	0.000140	0.000008	0.076157	0.000087
06C2923	2.56 W	0.000258	0.000008	0.000122	0.000007	0.000072	0.000011	0.000140	0.000008	0.076157	0.000087
06C2925	3.07 W	0.000258	0.000008	0.000122	0.000007	0.000072	0.000011	0.000140	0.000008	0.076157	0.000087
06C2926	3.45 W	0.000258	0.000008	0.000122	0.000007	0.000072	0.000011	0.000140	0.000008	0.076157	0.000087
06C2927	4.04 W	0.000258	0.000008	0.000122	0.000007	0.000072	0.000011	0.000140	0.000008	0.076157	0.000087
06C2928	4.83 W	0.000258	0.000008	0.000122	0.000007	0.000072	0.000011	0.000140	0.000008	0.076157	0.000087

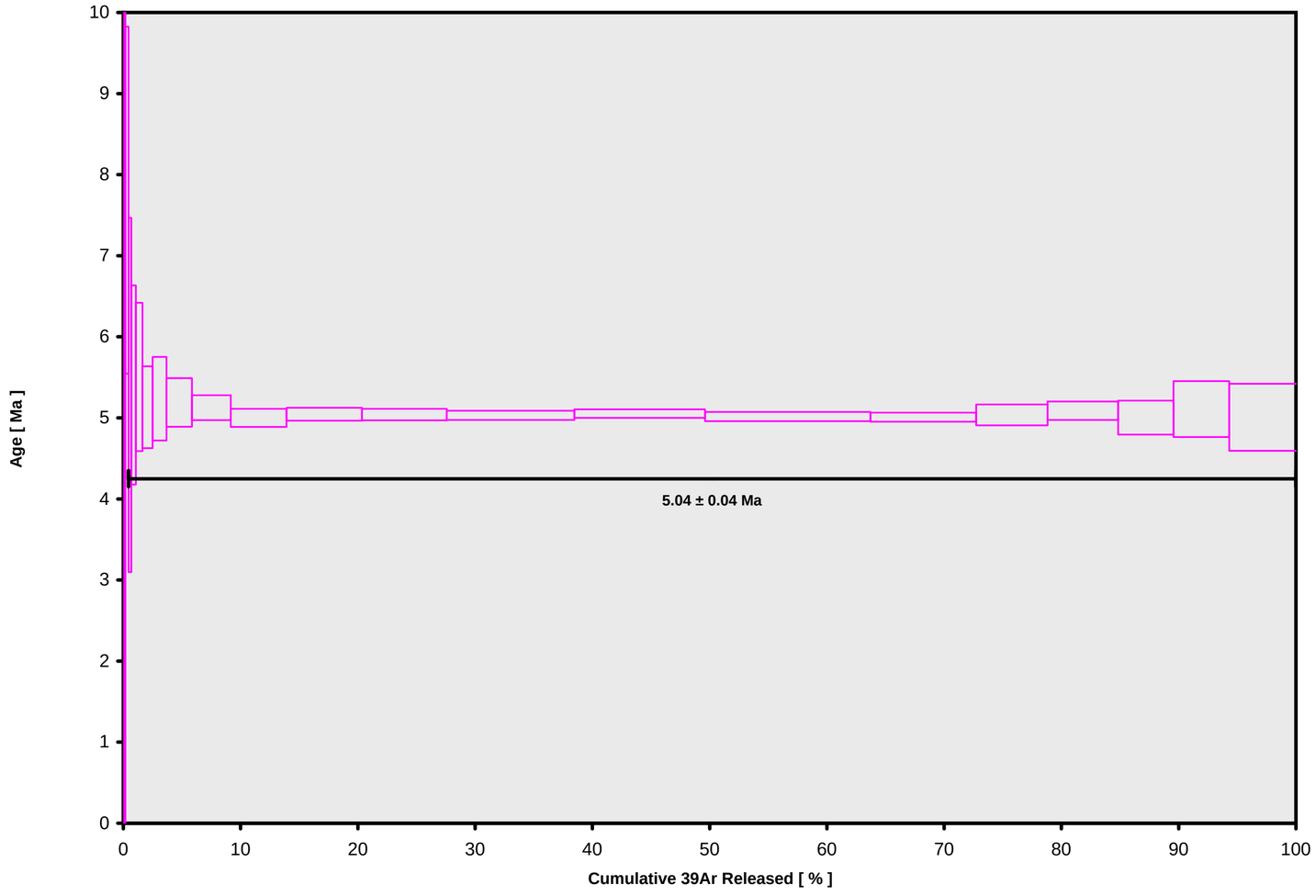
Intercept Values		36Ar	1σ	r2		37Ar	1σ	r2		38Ar	1σ	r2		39Ar	1σ	r2		40Ar	1σ	r2	
06C2898	0.00 W	0.004365	0.000022	0.9098	LIN #	0.000233	0.000006	0.9954	LIN # 5	0.000840	0.000010	0.3962	LIN #	0.000785	0.000013	0.9997	EXP #	1.276948	0.001025	0.9976	EXP # 1 4
06C2899	0.01 W	0.002660	0.000012	0.9381	LIN # 12	0.000424	0.000009	0.9818	LIN #	0.000538	0.000009	0.4731	LIN #	0.001630	0.000012	0.9995	EXP #	0.774131	0.000399	0.9980	LIN # 10
06C2901	0.09 W	0.001664	0.000018	0.6904	LIN #	0.000793	0.000007	0.9675	EXP #	0.000404	0.000012	0.1635	LIN #	0.003496	0.000019	0.9971	EXP #	0.493688	0.000241	0.9987	LIN # 3 4 7
06C2902	0.12 W	0.000977	0.000011	0.5947	LIN #	0.000995	0.000007	0.9153	LIN #	0.000277	0.000012	0.1005	LIN #	0.004662	0.000014	0.9960	EXP #	0.289852	0.000356	0.9884	EXP # 4 5 8
06C2903	0.18 W	0.000924	0.000012	0.1090	LIN #	0.002951	0.000013	0.3424	EXP #	0.000425	0.000012	0.1023	LIN #	0.014595	0.000025	0.6746	LIN # 1	0.297889	0.000142	0.9944	EXP #
06C2905	0.21 W	0.000599	0.000012	0.2159	LIN #	0.002690	0.000019	0.6734	LIN #	0.000331	0.000006	0.1491	LIN # 3	0.013839	0.000030	0.1212	LIN #	0.193295	0.000172	0.9188	EXP # 12
06C2906	0.27 W	0.000593	0.000010	0.0594	LIN #	0.004375	0.000027	0.7555	LIN #	0.000441	0.000009	0.0464	LIN #	0.022415	0.000036	0.9579	EXP # 6	0.205273	0.000114	0.9802	EXP # 5
06C2907	0.30 W	0.000561	0.000011	0.0067	LIN #	0.006242	0.000025	0.9277	EXP #	0.000566	0.000011	0.0000	LIN #	0.031635	0.000037	0.9894	EXP #	0.210951	0.000203	0.9492	EXP #
06C2909	0.35 W	0.000541	0.000008	0.1140	LIN #	0.009600	0.000027	0.9701	LIN #	0.000798	0.000009	0.0001	LIN #	0.049162	0.000064	0.9895	LIN #	0.227246	0.000146	0.9721	EXP #
06C2910	0.44 W	0.000470	0.000014	0.0018	LIN #	0.012491	0.000037	0.9789	LIN #	0.001036	0.000014	0.5241	LIN #	0.067264	0.000210	0.9696	EXP #	0.234286	0.000285	0.9849	EXP # 9
06C2911	0.53 W	0.000518	0.000016	0.0168	LIN #	0.021163	0.000106	0.9354	LIN # 1 2	0.001813	0.000007	0.7797	LIN #	0.123198	0.000205	0.9825	LIN # 1	0.327052	0.000487	0.9581	LIN # 1 2 4
06C2913	0.65 W	0.000537	0.000011	0.4809	LIN #	0.028077	0.000112	0.9543	LIN # 5 6	0.002644	0.000020	0.7730	LIN #	0.187041	0.000294	0.9905	EXP # 1	0.421004	0.000412	0.9802	LIN #
06C2914	0.80 W	0.000652	0.000011	0.2233	LIN #	0.036264	0.000132	0.9551	EXP #	0.003736	0.000019	0.8533	LIN #	0.269848	0.000423	0.9936	LIN # 5	0.562685	0.000397	0.9954	EXP #
06C2915	0.97 W	0.000752	0.000010	0.0046	LIN #	0.045726	0.000123	0.9831	EXP # 4	0.005059	0.000030	0.8840	LIN #	0.364217	0.000353	0.9969	LIN #	0.726905	0.000663	0.9950	EXP # 6 7
06C2917	1.24 W	0.000734	0.000010	0.0318	LIN #	0.048152	0.000158	0.9688	LIN #	0.005833	0.000013	0.9807	LIN # 8	0.409794	0.000434	0.9960	EXP #	0.783787	0.000670	0.9942	EXP #
06C2918	1.44 W	0.001109	0.000012	0.1941	LIN #	0.073675	0.000179	0.9835	EXP # 9	0.009108	0.000020	0.9830	LIN #	0.617609	0.000587	0.9971	EXP # 12	1.179202	0.001108	0.9963	LIN # 4 5
06C2919	1.74 W	0.001260	0.000009	0.0271	LIN #	0.068807	0.000309	0.9489	LIN # 4 10	0.009701	0.000021	0.9828	LIN #	0.631138	0.000506	0.9977	EXP #	1.251230	0.000819	0.9970	EXP #
06C2921	1.97 W	0.001279	0.000010	0.2181	LIN #	0.090279	0.000341	0.9498	LIN #	0.013075	0.000034	0.9749	LIN #	0.799706	0.002023	0.9790	EXP # 4	1.486355	0.000724	0.9980	LIN #
06C2922	2.30 W	0.001471	0.000007	0.8739	LIN #	0.051410	0.000232	0.9408	LIN #	0.008218	0.000051	0.8756	LIN #	0.511387	0.000591	0.9959	LIN #	1.141749	0.000387	0.9993	EXP #
06C2923	2.56 W	0.001805	0.000017	0.4736	LIN #	0.033200	0.000114	0.9586	EXP #	0.005610	0.000022	0.9276	LIN #	0.345374	0.000148	0.9992	EXP # 9	1.010814	0.000446	0.9985	EXP # 2
06C2925	3.07 W	0.002180	0.000011	0.7582	LIN #	0.033065	0.000078	0.9810	LIN #	0.005791	0.000039	0.8334	LIN #	0.340979	0.000343	0.9964	EXP #	1.118798	0.000848	0.9967	EXP #
06C2926	3.45 W	0.003457	0.000016	0.9257	LIN #	0.028546	0.000064	0.9877	EXP # 3 4	0.005037	0.000014	0.9651	LIN # 5	0.268262	0.000506	0.9883	EXP # 5	1.379960	0.000484	0.9994	EXP # 7
06C2927	4.04 W	0.005863	0.000027	0.9273	LIN #	0.034372	0.000140	0.9421	LIN #	0.005920	0.000027	0.8995	LIN #	0.269864	0.000260	0.9952	LIN #	2.088313	0.000672	0.9994	EXP # 11
06C2928	4.83 W	0.009374	0.000027	0.9716	LIN #	0.048463	0.000195	0.9337	LIN # 11	0.008106	0.000026	0.9469	LIN #	0.322357	0.000250	0.9971	LIN # 4	3.172330	0.003574	0.9936	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
06C2898	0.00 W	SAV-3 2F12-06	Groundmass 210-300µm	Savai'i Island, Samoa	Jamie Russell	0	28.03	0.01	0.00193	0.3	1.00378	0.16	1.0175	1.012E-19	26	AUG	2006	13	31	001	OSU2F06	Samoa	06C2898	01	FCT-3
06C2899	0.01 W	SAV-3 2F12-07	Groundmass 210-300µm	Savai'i Island, Samoa	Jamie Russell	0.01	28.03	0.01	0.00193	0.3	1.00378	0.16	1.0176	1.012E-19	26	AUG	2006	14	02	001	OSU2F06	Samoa	06C2898	01	FCT-3
06C2901	0.09 W	SAV-3 2F12-08	Groundmass 210-300µm	Savai'i Island, Samoa	Jamie Russell	0.09	28.03	0.01	0.00193	0.3	1.00378	0.16	1.0177	1.012E-19	26	AUG	2006	15	04	001	OSU2F06	Samoa	06C2898	01	FCT-3
06C2902	0.12 W	SAV-3 2F12-09	Groundmass 210-300µm	Savai'i Island, Samoa	Jamie Russell	0.12	28.03	0.01	0.00193	0.3	1.00378	0.16	1.0177	1.012E-19	26	AUG	2006	15	34	001	OSU2F06	Samoa	06C2898	01	FCT-3
06C2903	0.18 W	SAV-3 2F12-10	Groundmass 210-300µm	Savai'i Island, Samoa	Jamie Russell	0.18	28.03	0.01	0.00193	0.3	1.00378	0.16	1.0178	1.012E-19	26	AUG	2006	16	05	001	OSU2F06	Samoa	06C2898	01	FCT-3
06C2905	0.21 W	SAV-3 2F12-11	Groundmass 210-300µm	Savai'i Island, Samoa	Jamie Russell	0.21	28.03	0.01	0.00193	0.3	1.00378	0.16	1.0177	1.012E-19	26	AUG	2006	17	06	001	OSU2F06	Samoa	06C2898	01	FCT-3
06C2906	0.27 W	SAV-3 2F12-12	Groundmass 210-300µm	Savai'i Island, Samoa	Jamie Russell	0.27	28.03	0.01	0.00193	0.3	1.00378	0.16	1.0178	1.012E-19	26	AUG	2006	17	36	001	OSU2F06	Samoa	06C2898	01	FCT-3
06C2907	0.30 W	SAV-3 2F12-13	Groundmass 210-300µm	Savai'i Island, Samoa	Jamie Russell	0.3	28.03	0.01	0.00193	0.3	1.00378	0.16	1.018	1.012E-19	26	AUG	2006	18	07	001	OSU2F06	Samoa	06C2898	01	FCT-3
06C2909	0.35 W	SAV-3 2F12-14	Groundmass 210-300µm	Savai'i Island, Samoa	Jamie Russell	0.35	28.03	0.01	0.00193	0.3	1.00378	0.16	1.0175	1.012E-19	26	AUG	2006	19	17	001	OSU2F06	Samoa	06C2898	01	FCT-3
06C2910	0.44 W	SAV-3 2F12-15	Groundmass 210-300µm	Savai'i Island, Samoa	Jamie Russell	0.44	28.03	0.01	0.00193	0.3	1.00378	0.16	1.0176	1.012E-19	26	AUG	2006	19	48	001	OSU2F06	Samoa	06C2898	01	FCT-3
06C2911	0.53 W	SAV-3 2F12-16	Groundmass 210-300µm	Savai'i Island, Samoa	Jamie Russell	0.53	28.03	0.01	0.00193	0.3	1.00378	0.16	1.0178	1.012E-19	26	AUG	2006	20	18	001	OSU2F06	Samoa	06C2898	01	FCT-3
06C2913	0.65 W	SAV-3 2F12-17	Groundmass 210-300µm	Savai'i Island, Samoa	Jamie Russell	0.65	28.03	0.01	0.00193	0.3	1.00378	0.16	1.0179	1.012E-19	26	AUG	2006	21	19	001	OSU2F06	Samoa	06C2898	01	FCT-3
06C2914	0.80 W	SAV-3 2F12-18	Groundmass 210-300µm	Savai'i Island, Samoa	Jamie Russell	0.8	28.03	0.01	0.00193	0.3	1.00378	0.16	1.018	1.012E-19	26	AUG	2006	21	50	001	OSU2F06	Samoa	06C2898	01	FCT-3
06C2915	0.97 W	SAV-3 2F12-19	Groundmass 210-300µm	Savai'i Island, Samoa	Jamie Russell	0.97	28.03	0.01	0.00193	0.3	1.00378	0.16	1.0179	1.012E-19	26	AUG	2006	22	20	001	OSU2F06	Samoa	06C2898	01	FCT-3
06C2917	1.24 W	SAV-3 2F12-20	Groundmass 210-300µm	Savai'i Island, Samoa	Jamie Russell	1.24	28.03	0.01	0.00193	0.3	1.00378	0.16	1.0179	1.012E-19	26	AUG	2006	23	21	001	OSU2F06	Samoa	06C2898	01	FCT-3
06C2918	1.44 W	SAV-3 2F12-21	Groundmass 210-300µm	Savai'i Island, Samoa	Jamie Russell	1.44	28.03	0.01	0.00193	0.3	1.00378	0.16	1.0179	1.012E-19	26	AUG	2006	23	52	001	OSU2F06	Samoa	06C2898	01	FCT-3
06C2919	1.74 W	SAV-3 2F12-22	Groundmass 210-300µm	Savai'i Island, Samoa	Jamie Russell	1.74	28.03	0.01	0.00193	0.3	1.00378	0.16	1.0179	1.012E-19	27	AUG	2006	00	22	001	OSU2F06	Samoa	06C2898	01	FCT-3
06C2921	1.97 W	SAV-3 2F12-23	Groundmass 210-300µm	Savai'i Island, Samoa	Jamie Russell	1.97	28.03	0.01	0.00193	0.3	1.00378	0.16	1.017	1.012E-19	27	AUG	2006	09	26	001	OSU2F06	Samoa	06C2898	01	FCT-3
06C2922	2.30 W	SAV-3 2F12-24	Groundmass 210-300µm	Savai'i Island, Samoa	Jamie Russell	2.3	28.03	0.01	0.00193	0.3	1.00378	0.16	1.0172	1.012E-19	27	AUG	2006	09	57	001	OSU2F06	Samoa	06C2898	01	FCT-3
06C2923	2.56 W	SAV-3 2F12-25	Groundmass 210-300µm	Savai'i Island, Samoa	Jamie Russell	2.56	28.03	0.01	0.00193	0.3	1.00378	0.16	1.0173	1.012E-19	27	AUG	2006	10	27	001	OSU2F06	Samoa	06C2898	01	FCT-3
06C2925	3.07 W	SAV-3 2F12-26	Groundmass 210-300µm	Savai'i Island, Samoa	Jamie Russell	3.07	28.03	0.01	0.00193	0.3	1.00378	0.16	1.0175	1.012E-19	27	AUG	2006	11	28	001	OSU2F06	Samoa	06C2898	01	FCT-3
06C2926	3.45 W	SAV-3 2F12-27	Groundmass 210-300µm	Savai'i Island, Samoa	Jamie Russell	3.45	28.03	0.01	0.00193	0.3	1.00378	0.16	1.0175	1.012E-19	27	AUG	2006	11	59	001	OSU2F06	Samoa	06C2898	01	FCT-3
06C2927	4.04 W	SAV-3 2F12-28	Groundmass 210-300µm	Savai'i Island, Samoa	Jamie Russell	4.04	28.03	0.01	0.00193	0.3	1.00378	0.16	1.0176	1.012E-19	27	AUG	2006	12	32	001	OSU2F06	Samoa	06C2898	01	FCT-3
06C2928	4.83 W	SAV-3 2F12-29	Groundmass 210-300µm	Savai'i Island, Samoa	Jamie Russell	4.83	28.03	0.01	0.00193	0.3	1.00378	0.16	1.0175	1.012E-19	27	AUG	2006	13	04	001	OSU2F06	Samoa	06C2898	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
06C2898	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
06C2899	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
06C2901	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
06C2902	0.12 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
06C2903	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
06C2905	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
06C2906	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
06C2907	0.30 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
06C2909	0.35 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
06C2910	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
06C2911	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
06C2913	0.65 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
06C2914	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
06C2915	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
06C2917	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
06C2918	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
06C2919	1.74 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
06C2921	1.97 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
06C2922	2.30 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
06C2923	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
06C2925	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
06C2926	3.45 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
06C2927	4.04 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
06C2928	4.83 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

06C2898.AGE >>> SAV-3 2F12-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
5.04 ± 0.04
TOTAL FUSION
5.07 ± 0.05
NORMAL ISOCHRON
5.03 ± 0.04
INVERSE ISOCHRON
5.03 ± 0.04

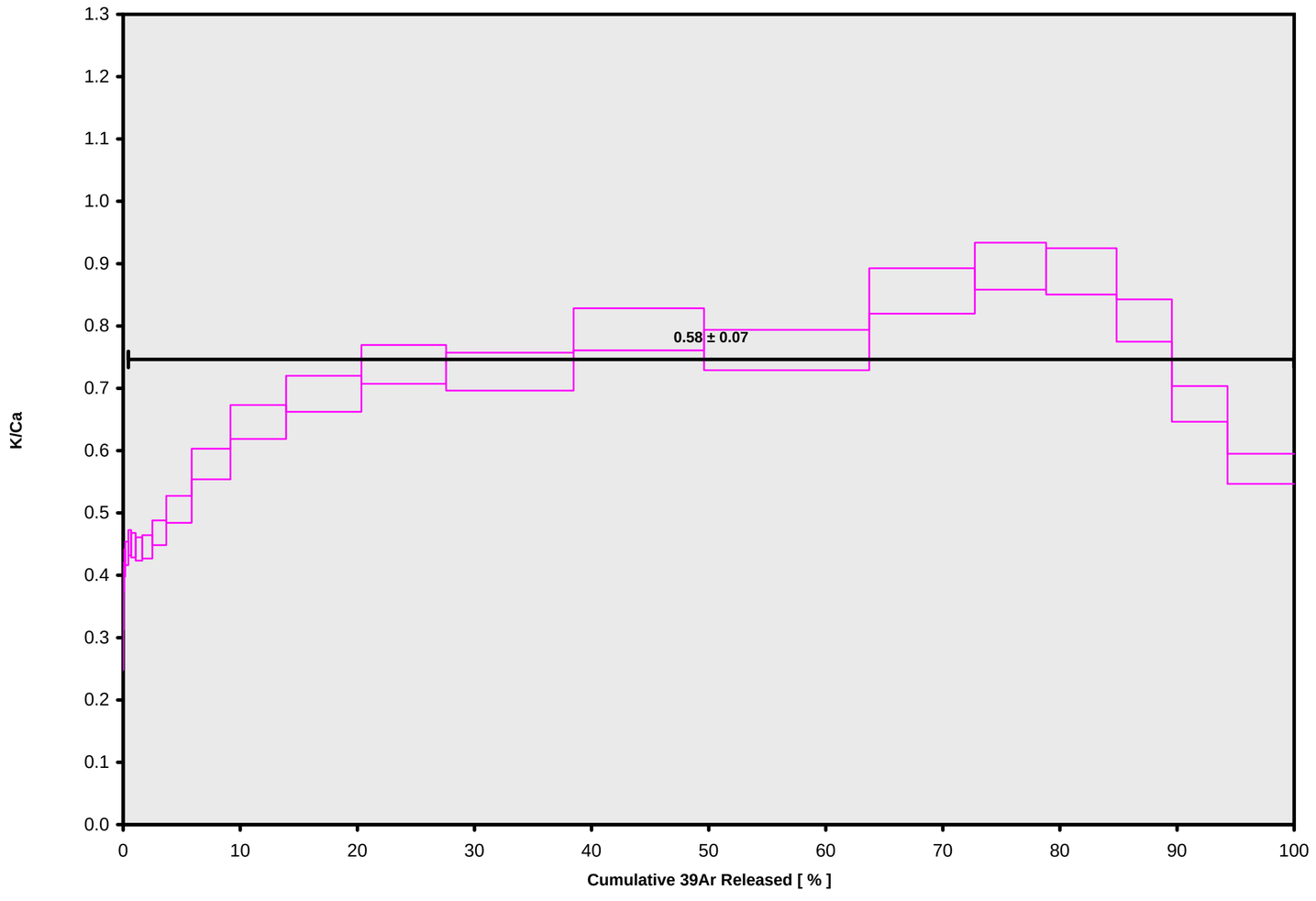
MSWD (PROBABILITY)
0.46 (98%)

Sample Info

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

IRR = OSU2F06
J = 0.00193000 ± 0.00000579

06C2898.AGE >>> SAV-3 2F12-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
5.04 ± 0.04
TOTAL FUSION
5.07 ± 0.05
NORMAL ISOCHRON
5.03 ± 0.04
INVERSE ISOCHRON
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Sample Info

Groundmass 210-300µm
Savai'i Island, Samoa
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IRR = OSU2F06
J = 0.00193000 ± 0.00000579

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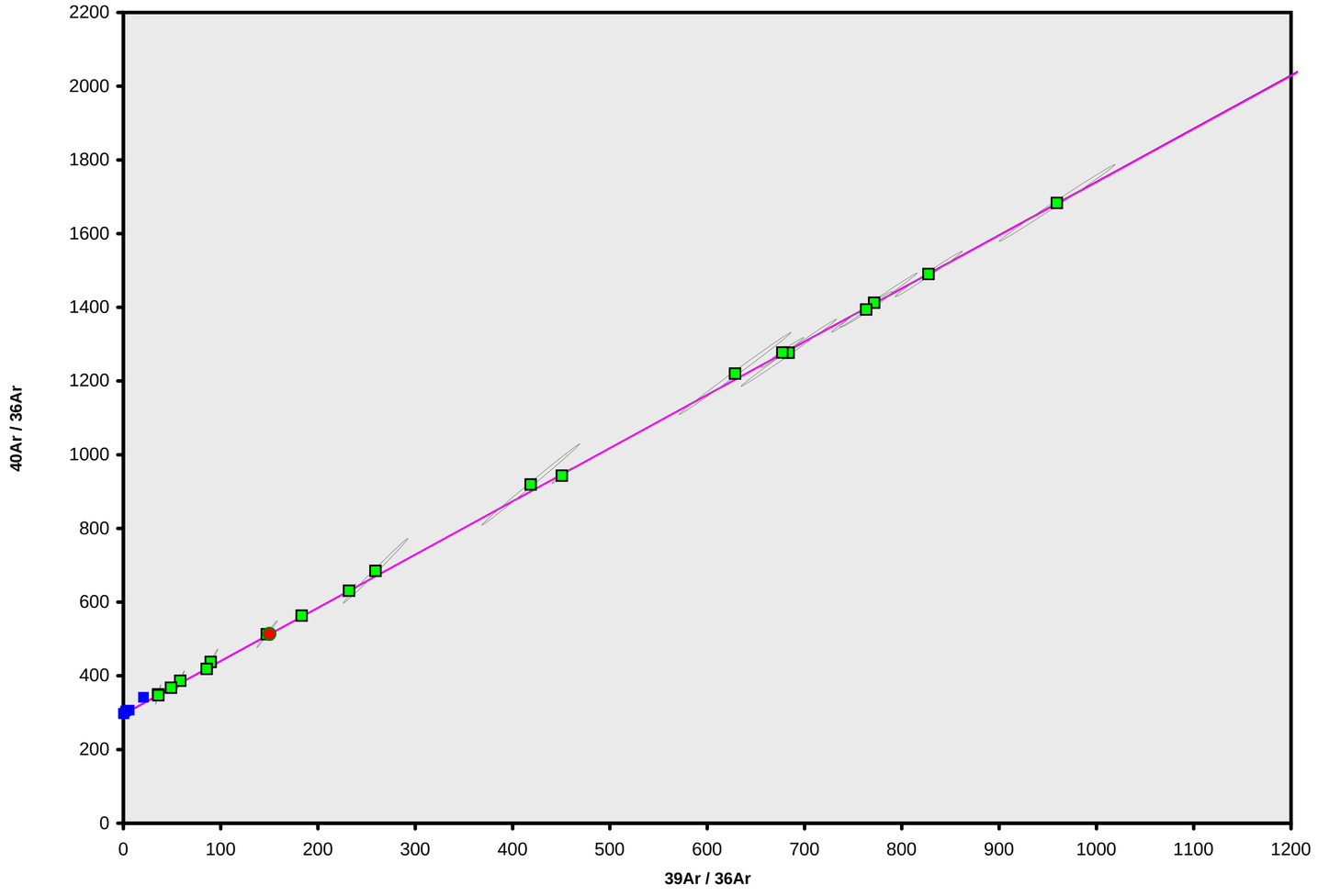
06C2898.AGE >>> SAV-3 2F12-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
5.04 ± 0.04
TOTAL FUSION
5.07 ± 0.05
NORMAL ISOCHRON
5.03 ± 0.04
INVERSE ISOCHRON
5.03 ± 0.04

MSWD (PROBABILITY)
0.44 (98%)

40AR/36AR INTERCEPT
296.2 ± 2.7

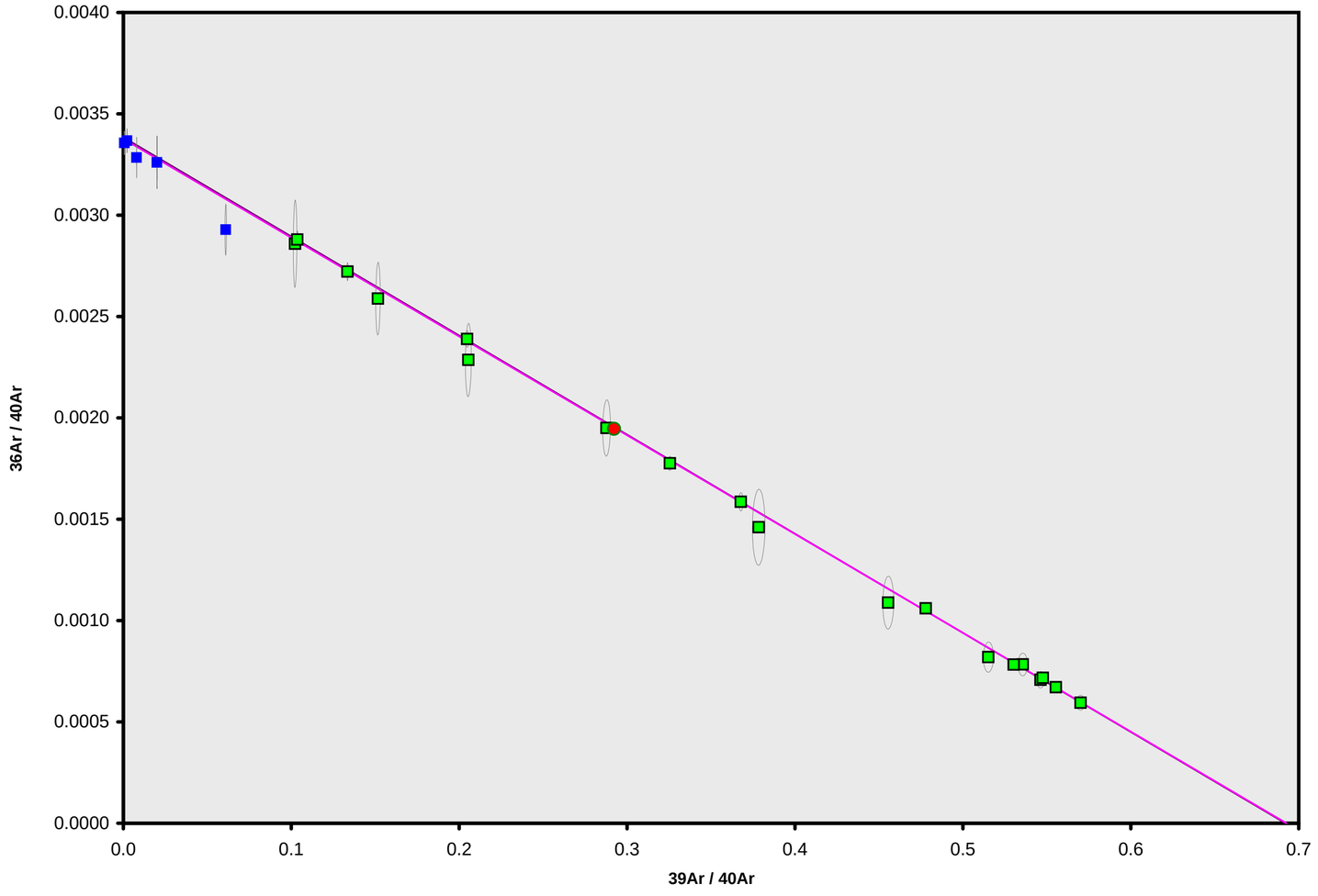
Sample Info

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

IRR = OSU2F06
J = 0.00193000 ± 0.00000579

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

06C2898.AGE >>> SAV-3 2F12-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
5.04 ± 0.04
TOTAL FUSION
5.07 ± 0.05
NORMAL ISOCHRON
5.03 ± 0.04
INVERSE ISOCHRON
5.03 ± 0.04

MSWD (PROBABILITY)
0.47 (97%)

SPREADING FACTOR
67.5%

40AR/36AR INTERCEPT
296.2 ± 2.7

Sample Info

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

IRR = OSU2F06
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