Incremental Heating			36Ar(a)	37Ar(ca)	38Ar(cl)	39Ar(k)	40Ar(r)	Age ± 2σ (Ma)	40Ar(r) (%)	39Ar(k) (%)	K/Ca ± 2σ
06C3636	0.21 W		0.000110	0.001152	0.000116	0.023871	0.003525	0.46 ± 0.96	12.19	1.27	8.9 ± 0.6
06C3637	0.38 W		0.000083	0.002246	0.000000	0.078082	0.014101	0.56 ± 0.26	36.32	4.16	14.9 ± 0.7
06C3639	0.62 W	✓	0.000132	0.005744	0.000000	0.255785	0.063510	0.78 ± 0.07	61.70	13.62	19.1 ± 0.8
06C3640	0.88 W	✓	0.000122	0.005661	0.000000	0.298146	0.075835	0.80 ± 0.06	67.42	15.88	22.6 ± 1.0
06C3642	1.06 W	✓	0.000111	0.004477	0.000000	0.238668	0.056168	0.74 ± 0.08	62.93	12.71	22.9 ± 1.0
06C3643	1.47 W	✓	0.000105	0.005356	0.000000	0.269450	0.069411	0.81 ± 0.06	68.78	14.35	21.6 ± 0.9
06C3645	1.74 W	✓	0.000069	0.004274	0.000000	0.198304	0.052534	0.83 ± 0.09	71.58	10.56	20.0 ± 0.8
06C3646	2.39 W	✓	0.000099	0.004574	0.000015	0.204261	0.050272	0.77 ± 0.11	62.96	10.88	19.2 ± 0.8
06C3648	3.12 W	✓	0.000049	0.002606	0.000000	0.159071	0.042371	0.83 ± 0.12	74.08	8.47	26.2 ± 1.2
06C3649	4.83 W	✓	0.000044	0.002755	0.000012	0.152281	0.042072	0.86 ± 0.13	76.14	8.11	23.8 ± 1.1
		Σ	0.000924	0.038844	0.000143	1.877920	0.462749				

Information on Analysis

Sample = TUL-2 3E2-06
Material = K-Feldspar 105-300µm
Location = Tulaga, Samoa
Analyst = Jamie Russell
Project = SAMOA
Mass Discrimination Law = LIN
Irradiation = OSU3E06
J = 0.00172970 ± 0.00000415
FCT-3 = 28.030 ± 0.003 Ma

Results	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (%,n)	K/Ca ± 2σ
Age Plateau	0.2539 ± 0.0092	0.79 ± 0.03	0.66	94.57	21.4 ± 1.6
	± 3.63%	± 3.66%	71%	8	
	Minimal External Error	± 0.03	1.53	2σ Confidence Limit	
	Analytical Error	± 0.03	1.0000	Error Magnification	
Total Fusion Age	0.2464 ± 0.0106	0.77 ± 0.03		10	20.8 ± 0.8
	± 4.30%	± 4.32%			
	Minimal External Error	± 0.04			
	Analytical Error	± 0.03			

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
06C3636	0.21 W		217.7 ± 49.4	263.4 ± 59.7	0.9959
06C3637	0.38 W		938.1 ± 246.3	464.9 ± 122.6	0.9954
06C3639	0.62 W	✓	1938.1 ± 287.8	776.7 ± 115.5	0.9970
06C3640	0.88 W	✓	2437.0 ± 372.9	915.4 ± 140.3	0.9980
06C3642	1.06 W	✓	2156.9 ± 417.6	803.1 ± 155.7	0.9980
06C3643	1.47 W	✓	2562.9 ± 443.4	955.7 ± 165.6	0.9982
06C3645	1.74 W	✓	2854.7 ± 811.5	1051.8 ± 299.2	0.9988
06C3646	2.39 W	✓	2064.0 ± 480.6	803.5 ± 187.3	0.9985
06C3648	3.12 W	✓	3227.3 ± 1371.2	1155.1 ± 491.1	0.9992
06C3649	4.83 W	✓	3480.3 ± 1684.1	1257.0 ± 608.6	0.9993

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	218.6874 ± 112.7250	0.2845 ± 0.0482	0.89 ± 0.15	0.63
No Convergence	± 51.55%	± 16.94%	± 16.94%	71%
			Minimal External Error ± 0.15	
			Analytical Error ± 0.15	

Statistics				
2σ Confidence Limit	2.15	Convergence	0.0000440536
Error Magnification	1.0000	Number of Iterations	100
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.
06C3636	0.21 W		0.826595 ± 0.016909	0.003797 ± 0.000861	0.0289
06C3637	0.38 W		2.017815 ± 0.050738	0.002151 ± 0.000567	0.0914
06C3639	0.62 W	✓	2.495247 ± 0.028854	0.001287 ± 0.000191	0.0537
06C3640	0.88 W	✓	2.662327 ± 0.025600	0.001092 ± 0.000167	0.0512
06C3642	1.06 W	✓	2.685720 ± 0.032597	0.001245 ± 0.000241	0.0510
06C3643	1.47 W	✓	2.681676 ± 0.027502	0.001046 ± 0.000181	0.0519
06C3645	1.74 W	✓	2.714221 ± 0.037448	0.000951 ± 0.000271	0.0419
06C3646	2.39 W	✓	2.568815 ± 0.032638	0.001245 ± 0.000290	0.0494
06C3648	3.12 W	✓	2.793829 ± 0.046884	0.000866 ± 0.000368	0.0374
06C3649	4.83 W	✓	2.768679 ± 0.050554	0.000796 ± 0.000385	0.0335

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	205.8859 ± 110.5963 ± 53.72%	0.2914 ± 0.0400 ± 13.72%	0.91 ± 0.13 ± 13.73%	0.55 77%
		Minimal External Error	± 0.13	
		Analytical Error	± 0.13	

Statistics				
	2σ Confidence Limit	2.15	Convergence	0.0003470474
	Error Magnification	1.0000	Number of Iterations	4
	Number of Data Points	8	Calculated Line	Weighted York-2
	Spreading Factor	8.7%		

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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
06C3636	0.21 W		0.0001100	11.292	0.0011522	2.755	0.0004254	4.042	0.0238717	0.843	0.0289179	0.577	0.46 ± 0.96	12.19	1.27	8.9 ± 0.6
06C3637	0.38 W		0.0000838	13.032	0.0022462	1.166	0.0009452	1.563	0.0780839	0.255	0.0388253	1.224	0.56 ± 0.26	36.32	4.16	14.9 ± 0.7
06C3639	0.62 W	✓	0.0001335	7.331	0.0057439	0.626	0.0030751	0.734	0.2557896	0.322	0.1029311	0.467	0.78 ± 0.07	61.70	13.62	19.1 ± 0.8
06C3640	0.88 W	✓	0.0001239	7.555	0.0056608	0.642	0.0036146	0.598	0.2981496	0.207	0.1124788	0.418	0.80 ± 0.06	67.42	15.88	22.6 ± 1.0
06C3642	1.06 W	✓	0.0001119	9.574	0.0044765	0.642	0.0028836	0.610	0.2386717	0.261	0.0892595	0.534	0.74 ± 0.08	62.93	12.71	22.9 ± 1.0
06C3643	1.47 W	✓	0.0001066	8.531	0.0053559	0.675	0.0032348	0.571	0.2694539	0.180	0.1009229	0.465	0.81 ± 0.06	68.78	14.35	21.6 ± 0.9
06C3645	1.74 W	✓	0.0000706	13.979	0.0042738	0.673	0.0023811	0.559	0.1983072	0.255	0.0733884	0.628	0.83 ± 0.09	71.58	10.56	20.0 ± 0.8
06C3646	2.39 W	✓	0.0001002	11.497	0.0045738	0.825	0.0025077	0.839	0.2042644	0.195	0.0798527	0.593	0.77 ± 0.11	62.96	10.88	19.2 ± 0.8
06C3648	3.12 W	✓	0.0000500	20.945	0.0026059	0.905	0.0019222	0.875	0.1590728	0.194	0.0571990	0.805	0.83 ± 0.12	74.08	8.47	26.2 ± 1.2
06C3649	4.83 W	✓	0.0000445	23.790	0.0027549	1.113	0.0018644	0.925	0.1522829	0.305	0.0552525	0.849	0.86 ± 0.13	76.14	8.11	23.8 ± 1.1
		Σ	0.0009349	3.557	0.0388440	0.260	0.0228539	0.253	1.8779476	0.084	0.7390282	0.192				

Information on Analysis and Constants Used in Calculations

Sample = TUL-2 3E2-06
Material = K-Feldspar 105-300µm
Location = Tulaga, Samoa
Analyst = Jamie Russell
Project = SAMOA
Mass Discrimination Law = LIN
Irradiation = OSU3E06
J = 0.00172970 ± 0.00000415
FCT-3 = 28.030 ± 0.003 Ma
IGSN = KOP000038
Preferred Age = Plateau Age
Classification = Eruption Age
Experiment Type = Incremental Heating
Extraction Method = Bulk Laser Heating
Heating = 600 sec
Isolation = 15.00 min
Instrument = MAP215-50
Lithology = Phonolite
Lat-Lon = 14°39.1'S - 170°01.4'E

Age Equations = Conventional
Negative Intensities = Allowed
Decay Constant 40K = 5.530 ± 0.048 E-10 1/a
Decay Constant 39Ar = 2.940 ± 0.016 E-07 1/h
Decay Constant 37Ar = 8.230 ± 0.012 E-04 1/h
Decay Constant 36Cl = 2.236 ± 0.045 E-06 1/a
Production Ratio 36/38 in Cl = 316.0 ± 15.8

Results	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (%,n)	K/Ca ± 2σ
Age Plateau	0.2539 ± 0.0092	0.79 ± 0.03	0.66	94.57	21.4 ± 1.6
	± 3.63%	± 3.66%	71%	8	
	Minimal External Error ± 0.03		1.53	2σ Confidence Limit	
	Analytical Error ± 0.03		1.0000	Error Magnification	
Total Fusion Age	0.2464 ± 0.0106	0.77 ± 0.03		10	20.8 ± 0.8
	± 4.30%	± 4.32%			
	Minimal External Error ± 0.04				
	Analytical Error ± 0.03				
Normal Isochron	0.2845 ± 0.0482	0.89 ± 0.15	0.63	94.57	
No Convergence	± 16.94%	± 16.94%	71%	8	
	Minimal External Error ± 0.15		2.15	2σ Confidence Limit	
	Analytical Error ± 0.15		1.0000	Error Magnification	
Inverse Isochron	0.2914 ± 0.0400	0.91 ± 0.13	0.55	94.57	
	± 13.72%	± 13.73%	77%	8	
	Minimal External Error ± 0.13		2.15	2σ Confidence Limit	
	Analytical Error ± 0.13		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
06C3636	0.21 W		0.000110	11.32	0.000000	0.00	0.000000	2.78	0.000000	16.07	0.001152	2.75	0.000020	11.32	0.000000	0.00	0.000289	0.85	0.000000	22.07	0.000116	16.95	0.023871	0.84	0.000001	3.31	0.003525	104.21	0.032404	11.32	0.000000	0.00	0.000039	24.91
06C3637	0.38 W		0.000083	13.13	0.000000	0.00	0.000001	1.22	0.000000	0.00	0.002246	1.17	0.000016	13.13	0.000000	0.00	0.000946	0.27	0.000000	21.93	0.000000	0.00	0.078082	0.26	0.000002	2.17	0.014101	23.14	0.024595	13.13	0.000000	0.00	0.000129	24.90
06C3639	0.62 W	✓	0.000132	7.42	0.000000	0.00	0.000002	0.73	0.000000	0.00	0.005744	0.63	0.000025	7.42	0.000000	0.00	0.003098	0.34	0.000000	21.91	0.000000	0.00	0.255785	0.32	0.000004	1.93	0.063510	4.62	0.038999	7.42	0.000000	0.00	0.000422	24.90
06C3640	0.88 W	✓	0.000122	7.65	0.000000	0.00	0.000002	0.74	0.000000	0.00	0.005661	0.64	0.000023	7.65	0.000000	0.00	0.003611	0.23	0.000000	21.91	0.000000	0.00	0.298146	0.21	0.000004	1.94	0.075835	3.70	0.036152	7.65	0.000000	0.00	0.000492	24.90
06C3642	1.06 W	✓	0.000111	9.68	0.000000	0.00	0.000001	0.74	0.000000	0.00	0.004477	0.64	0.000021	9.68	0.000000	0.00	0.002890	0.28	0.000000	21.91	0.000000	0.00	0.238668	0.26	0.000003	1.94	0.056168	5.70	0.032698	9.68	0.000000	0.00	0.000394	24.90
06C3643	1.47 W	✓	0.000105	8.65	0.000000	0.00	0.000001	0.77	0.000000	0.00	0.005356	0.67	0.000020	8.65	0.000000	0.00	0.003263	0.21	0.000000	21.91	0.000000	0.00	0.269450	0.18	0.000004	1.95	0.069411	3.93	0.031068	8.65	0.000000	0.00	0.000445	24.90
06C3645	1.74 W	✓	0.000069	14.21	0.000000	0.00	0.000001	0.77	0.000000	0.00	0.004274	0.67	0.000013	14.21	0.000000	0.00	0.002401	0.27	0.000000	21.91	0.000000	0.00	0.198304	0.25	0.000003	1.95	0.052534	5.62	0.020527	14.21	0.000000	0.00	0.000327	24.90
06C3646	2.39 W	✓	0.000099	11.64	0.000000	0.00	0.000001	0.90	0.000000	141.78	0.004574	0.83	0.000018	11.64	0.000000	0.00	0.002474	0.22	0.000000	21.92	0.000015	141.88	0.204261	0.20	0.000003	2.01	0.050272	6.84	0.029244	11.64	0.000000	0.00	0.000337	24.90
06C3648	3.12 W	✓	0.000049	21.24	0.000000	0.00	0.000001	0.98	0.000000	0.00	0.002606	0.90	0.000009	21.24	0.000000	0.00	0.001926	0.22	0.000000	21.92	0.000000	0.00	0.159071	0.19	0.000002	2.04	0.042371	7.38	0.014565	21.24	0.000000	0.00	0.000262	24.90
06C3649	4.83 W	✓	0.000044	24.19	0.000000	0.00	0.000001	1.17	0.000000	152.47	0.002755	1.11	0.000008	24.19	0.000000	0.00	0.001844	0.32	0.000000	21.93	0.000012	152.56	0.152281	0.30	0.000002	2.14	0.042072	7.52	0.012930	24.19	0.000000	0.00	0.000251	24.90
		Σ	0.000924	3.60	0.000000	0.00	0.000010	0.29	0.000000	23.87	0.038844	0.26	0.000173	3.60	0.000000	0.00	0.022742	0.09	0.000001	7.44	0.000143	24.19	1.877920	0.08	0.000028	0.67	0.462749	2.15	0.273180	3.60	0.000000	0.00	0.003099	8.59
		Σ							0.000935	3.56	0.038844	0.26									0.023059	0.18			1.877948	0.08							0.739028	1.89

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)
06C3636	0.21 W		0.147672	0.15389	0.028879	0.00017	1.211391	0.01238	0.048268	0.00139	0.004607	0.00052	33.063	1.92614093	1.00023420	2.926E-21
06C3637	0.38 W		0.180596	0.04180	0.038696	0.00048	0.497225	0.00622	0.028767	0.00034	0.001074	0.00014	33.082	1.92688084	1.00023434	3.929E-21
06C3639	0.62 W	✓	0.248293	0.01150	0.102509	0.00049	0.402405	0.00228	0.022455	0.00016	0.000522	0.00004	33.123	1.92844086	1.00023462	1.042E-20
06C3640	0.88 W	✓	0.254356	0.00943	0.111987	0.00049	0.377256	0.00176	0.018987	0.00013	0.000415	0.00003	33.142	1.92918166	1.00023476	1.138E-20
06C3642	1.06 W	✓	0.235338	0.01343	0.088866	0.00049	0.373985	0.00222	0.018756	0.00013	0.000469	0.00004	33.181	1.93063761	1.00023503	9.033E-21
06C3643	1.47 W	✓	0.257601	0.01014	0.100478	0.00048	0.374546	0.00187	0.019877	0.00014	0.000396	0.00003	33.201	1.93140574	1.00023517	1.021E-20
06C3645	1.74 W	✓	0.264918	0.01491	0.073061	0.00047	0.370074	0.00251	0.021552	0.00016	0.000356	0.00005	33.240	1.93288989	1.00023545	7.427E-21
06C3646	2.39 W	✓	0.246117	0.01684	0.079516	0.00048	0.390928	0.00244	0.022392	0.00019	0.000491	0.00006	33.260	1.93365891	1.00023559	8.081E-21
06C3648	3.12 W	✓	0.266368	0.01968	0.056937	0.00046	0.359578	0.00298	0.016382	0.00015	0.000314	0.00007	33.299	1.93514479	1.00023586	5.789E-21
06C3649	4.83 W	✓	0.276277	0.02079	0.055001	0.00047	0.362828	0.00327	0.018090	0.00021	0.000292	0.00007	33.319	1.93591471	1.00023601	5.592E-21

Procedure Blanks		36Ar	1σ	37Ar	1σ	38Ar	1σ	39Ar	1σ	40Ar	1σ
06C3636	0.21 W	0.000006	0.000007	0.000041	0.000009	0.000006	0.000009	0.000000	0.000000	0.003212	0.000029
06C3637	0.38 W	0.000012	0.000008	0.000042	0.000007	0.000021	0.000010	0.000031	0.000102	0.004183	0.000457
06C3639	0.62 W	0.000013	0.000008	0.000032	0.000007	0.000017	0.000010	0.000051	0.000102	0.004019	0.000455
06C3640	0.88 W	0.000013	0.000008	0.000028	0.000007	0.000015	0.000010	0.000058	0.000102	0.003945	0.000454
06C3642	1.06 W	0.000014	0.000008	0.000024	0.000007	0.000012	0.000010	0.000069	0.000101	0.003807	0.000453
06C3643	1.47 W	0.000015	0.000008	0.000024	0.000007	0.000011	0.000010	0.000072	0.000101	0.003738	0.000453
06C3645	1.74 W	0.000016	0.000008	0.000025	0.000007	0.000008	0.000010	0.000074	0.000102	0.003613	0.000454
06C3646	2.39 W	0.000017	0.000008	0.000027	0.000007	0.000007	0.000010	0.000073	0.000102	0.003551	0.000455
06C3648	3.12 W	0.000018	0.000008	0.000034	0.000007	0.000006	0.000010	0.000066	0.000102	0.003441	0.000457
06C3649	4.83 W	0.000018	0.000008	0.000039	0.000007	0.000005	0.000010	0.000060	0.000103	0.003387	0.000459

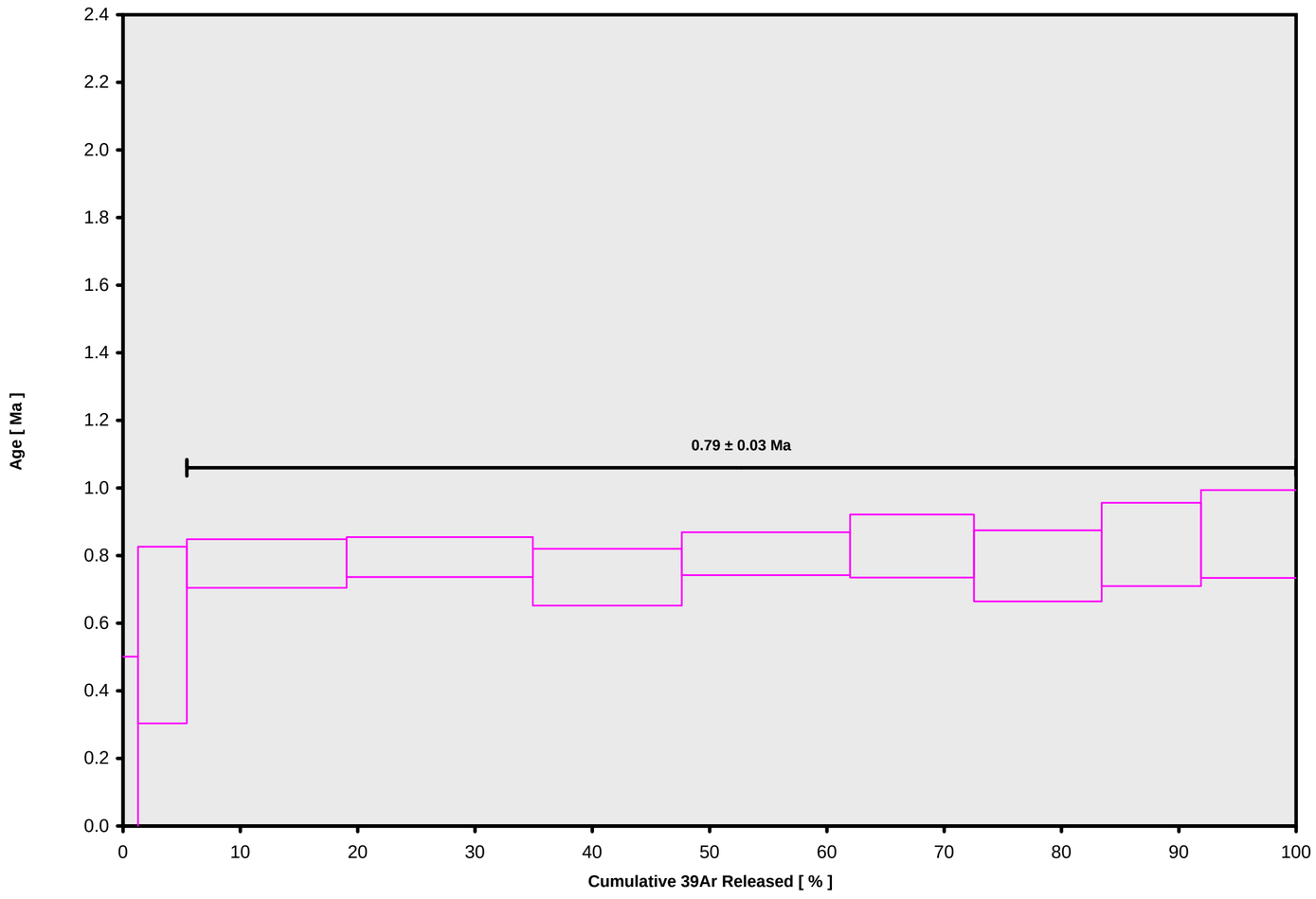
Intercept Values		36Ar	1σ	r2		37Ar	1σ	r2		38Ar	1σ	r2		39Ar	1σ	r2		40Ar	1σ	r2	
06C3636	0.21 W	0.000116	0.000010	0.9952	LIN #	0.000637	0.000013	0.9979	LIN #	0.000428	0.000015	0.9937	LIN # 1	0.023602	0.000195	0.9988	EXP #	0.031655	0.000162	1.0000	EXP #
06C3637	0.38 W	0.000096	0.000008	0.9751	LIN #	0.001203	0.000010	0.9908	LIN # 1 12	0.000960	0.000011	0.9574	LIN #	0.077240	0.000116	0.9875	LIN # 1 2	0.042377	0.000128	0.9999	EXP #
06C3639	0.62 W	0.000146	0.000006	0.9109	LIN #	0.003000	0.000010	0.0001	LIN # 1	0.003071	0.000018	0.4730	LIN #	0.253051	0.000700	0.9782	LIN # 1 2	0.105411	0.000155	0.9994	EXP #
06C3640	0.88 W	0.000137	0.000006	0.7729	LIN #	0.002953	0.000010	0.8921	LIN # 4 11 12	0.003605	0.000015	0.9309	LIN # 1	0.294985	0.000374	0.9942	LIN #	0.114760	0.000123	0.9968	EXP #
06C3642	1.06 W	0.000126	0.000008	0.0503	LIN #	0.002336	0.000007	0.8431	LIN #	0.002876	0.000011	0.9222	LIN #	0.236160	0.000478	0.9871	LIN # 10	0.091736	0.000147	0.9875	LIN #
06C3643	1.47 W	0.000121	0.000005	0.5787	LIN #	0.002788	0.000011	0.7924	LIN #	0.003224	0.000012	0.8945	LIN #	0.266639	0.000200	0.9976	LIN #	0.103175	0.000122	0.9924	LIN # 1
06C3645	1.74 W	0.000086	0.000006	0.4887	LIN #	0.002229	0.000008	0.8419	LIN #	0.002373	0.000005	0.9699	LIN # 1 12	0.196256	0.000376	0.9870	LIN # 6	0.075908	0.000082	0.9959	EXP #
06C3646	2.39 W	0.000117	0.000009	0.0572	LIN #	0.002385	0.000014	0.8204	LIN #	0.002498	0.000017	0.8821	LIN #	0.202168	0.000204	0.9966	LIN #	0.082228	0.000130	0.9900	LIN # 1
06C3648	3.12 W	0.000067	0.000007	0.3836	LIN #	0.001376	0.000008	0.7385	LIN #	0.001915	0.000012	0.8354	LIN #	0.157434	0.000141	0.9973	EXP #	0.059779	0.000053	0.9981	LIN # 9
06C3649	4.83 W	0.000062	0.000007	0.3660	LIN #	0.001457	0.000013	0.6953	LIN #	0.001857	0.000013	0.8556	LIN #	0.150711	0.000378	0.9789	LIN #	0.057808	0.000097	0.9924	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
06C3636	0.21 W	TUL-2 3E2-06	K-Feldspar 105-300µm	Tulaga, Samoa	Jamie Russell	0.21	28.03	0.01	0.0017297	0.24	1.00378	0.16	1.015	1.012E-19	29	OCT	2006	15	58	001	OSU3E06	Samoa	06C3636	01	FCT-3
06C3637	0.38 W	TUL-2 3E2-06	K-Feldspar 105-300µm	Tulaga, Samoa	Jamie Russell	0.38	28.03	0.01	0.0017297	0.24	1.00378	0.16	1.0149	1.012E-19	29	OCT	2006	16	26	001	OSU3E06	Samoa	06C3636	01	FCT-3
06C3639	0.62 W	TUL-2 3E2-06	K-Feldspar 105-300µm	Tulaga, Samoa	Jamie Russell	0.62	28.03	0.01	0.0017297	0.24	1.00378	0.16	1.0146	1.012E-19	29	OCT	2006	17	25	001	OSU3E06	Samoa	06C3636	01	FCT-3
06C3640	0.88 W	TUL-2 3E2-06	K-Feldspar 105-300µm	Tulaga, Samoa	Jamie Russell	0.88	28.03	0.01	0.0017297	0.24	1.00378	0.16	1.0145	1.012E-19	29	OCT	2006	17	53	001	OSU3E06	Samoa	06C3636	01	FCT-3
06C3642	1.06 W	TUL-2 3E2-06	K-Feldspar 105-300µm	Tulaga, Samoa	Jamie Russell	1.06	28.03	0.01	0.0017297	0.24	1.00378	0.16	1.0145	1.012E-19	29	OCT	2006	18	48	001	OSU3E06	Samoa	06C3636	01	FCT-3
06C3643	1.47 W	TUL-2 3E2-06	K-Feldspar 105-300µm	Tulaga, Samoa	Jamie Russell	1.47	28.03	0.01	0.0017297	0.24	1.00378	0.16	1.0144	1.012E-19	29	OCT	2006	19	17	001	OSU3E06	Samoa	06C3636	01	FCT-3
06C3645	1.74 W	TUL-2 3E2-06	K-Feldspar 105-300µm	Tulaga, Samoa	Jamie Russell	1.74	28.03	0.01	0.0017297	0.24	1.00378	0.16	1.0144	1.012E-19	29	OCT	2006	20	13	001	OSU3E06	Samoa	06C3636	01	FCT-3
06C3646	2.39 W	TUL-2 3E2-06	K-Feldspar 105-300µm	Tulaga, Samoa	Jamie Russell	2.39	28.03	0.01	0.0017297	0.24	1.00378	0.16	1.0143	1.012E-19	29	OCT	2006	20	42	001	OSU3E06	Samoa	06C3636	01	FCT-3
06C3648	3.12 W	TUL-2 3E2-06	K-Feldspar 105-300µm	Tulaga, Samoa	Jamie Russell	3.12	28.03	0.01	0.0017297	0.24	1.00378	0.16	1.0144	1.012E-19	29	OCT	2006	21	38	001	OSU3E06	Samoa	06C3636	01	FCT-3
06C3649	4.83 W	TUL-2 3E2-06	K-Feldspar 105-300µm	Tulaga, Samoa	Jamie Russell	4.83	28.03	0.01	0.0017297	0.24	1.00378	0.16	1.0144	1.012E-19	29	OCT	2006	22	07	001	OSU3E06	Samoa	06C3636	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
06C3636	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
06C3637	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
06C3639	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
06C3640	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
06C3642	1.06 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
06C3643	1.47 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
06C3645	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
06C3646	2.39 W	295.5	0	0.018	35	0.1869	0	1.493	3	0.000709	1.83	0.000032	21.9	0.000269	0.37	0.00165	24.9	0.01211	0.1	0	0	0.43	2	0	0	0	0
06C3648	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
06C3649	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

06C3636.AGE >>> TUL-2 3E2-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
0.79 ± 0.03
TOTAL FUSION
0.77 ± 0.03
NORMAL ISOCHRON
0.89 ± 0.15
INVERSE ISOCHRON
0.91 ± 0.13

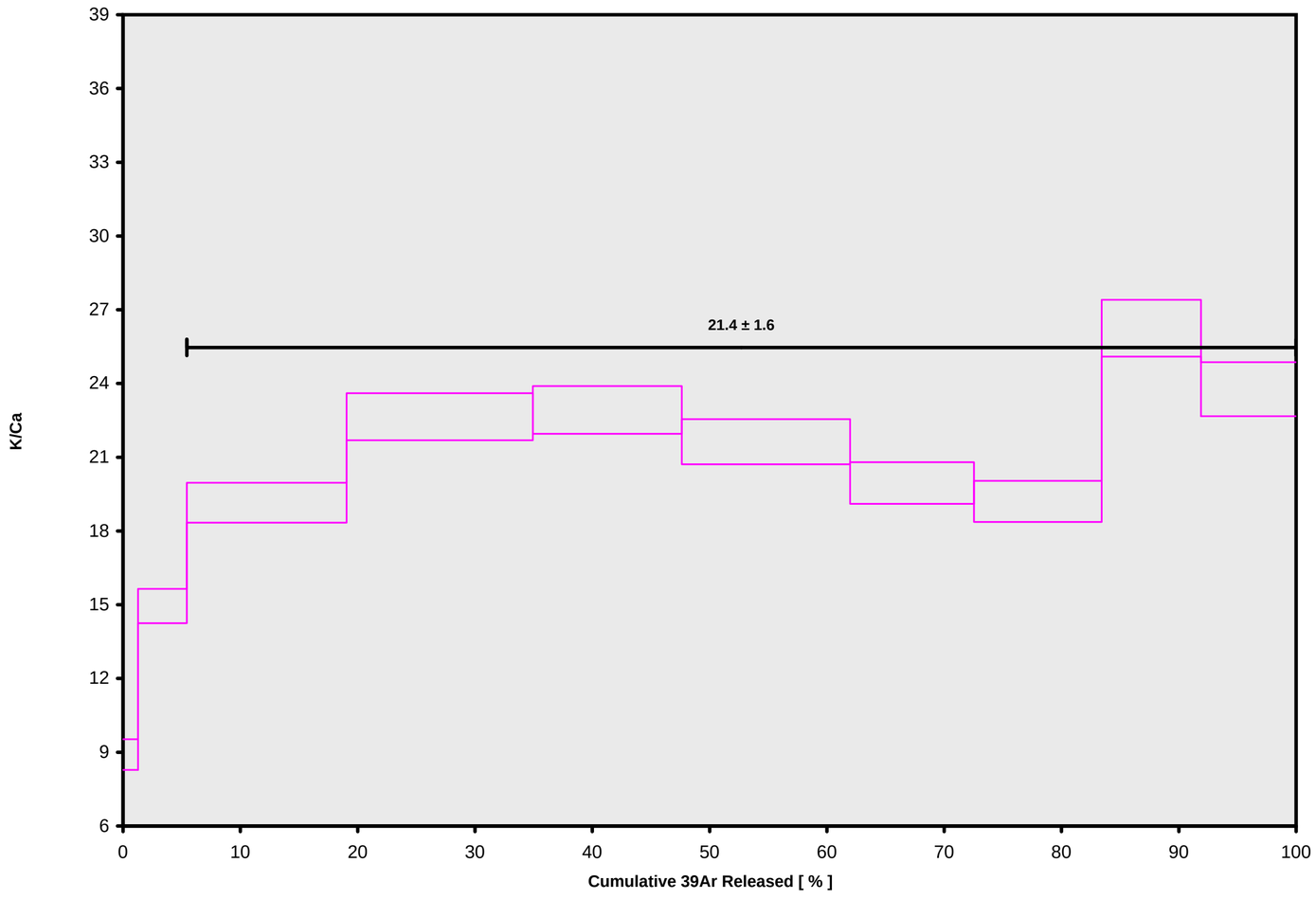
MSWD (PROBABILITY)
0.66 (71%)

Sample Info

K-Feldspar 105-300µm
Tulaga, Samoa
Jamie Russell

IRR = OSU3E06
J = 0.00172970 ± 0.00000415

06C3636.AGE >>> TUL-2 3E2-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
0.79 ± 0.03
TOTAL FUSION
0.77 ± 0.03
NORMAL ISOCHRON
0.89 ± 0.15
INVERSE ISOCHRON
0.91 ± 0.13

Sample Info

K-Feldspar 105-300µm
Tulaga, Samoa
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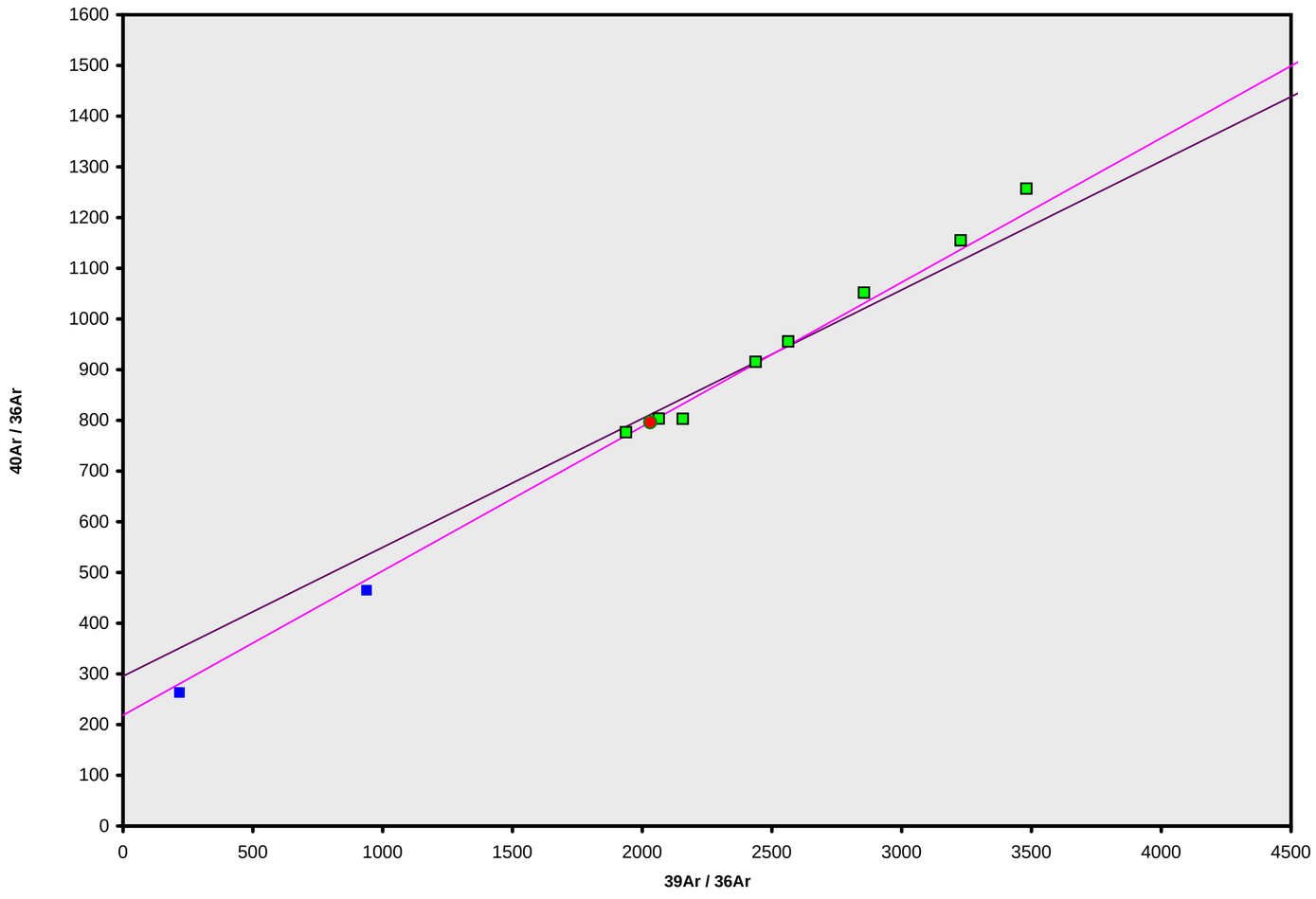
06C3636.AGE >>> TUL-2 3E2-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
0.79 ± 0.03
TOTAL FUSION
0.77 ± 0.03
NORMAL ISOCHRON
0.89 ± 0.15
INVERSE ISOCHRON
0.91 ± 0.13

MSWD (PROBABILITY)
0.63 (71%)

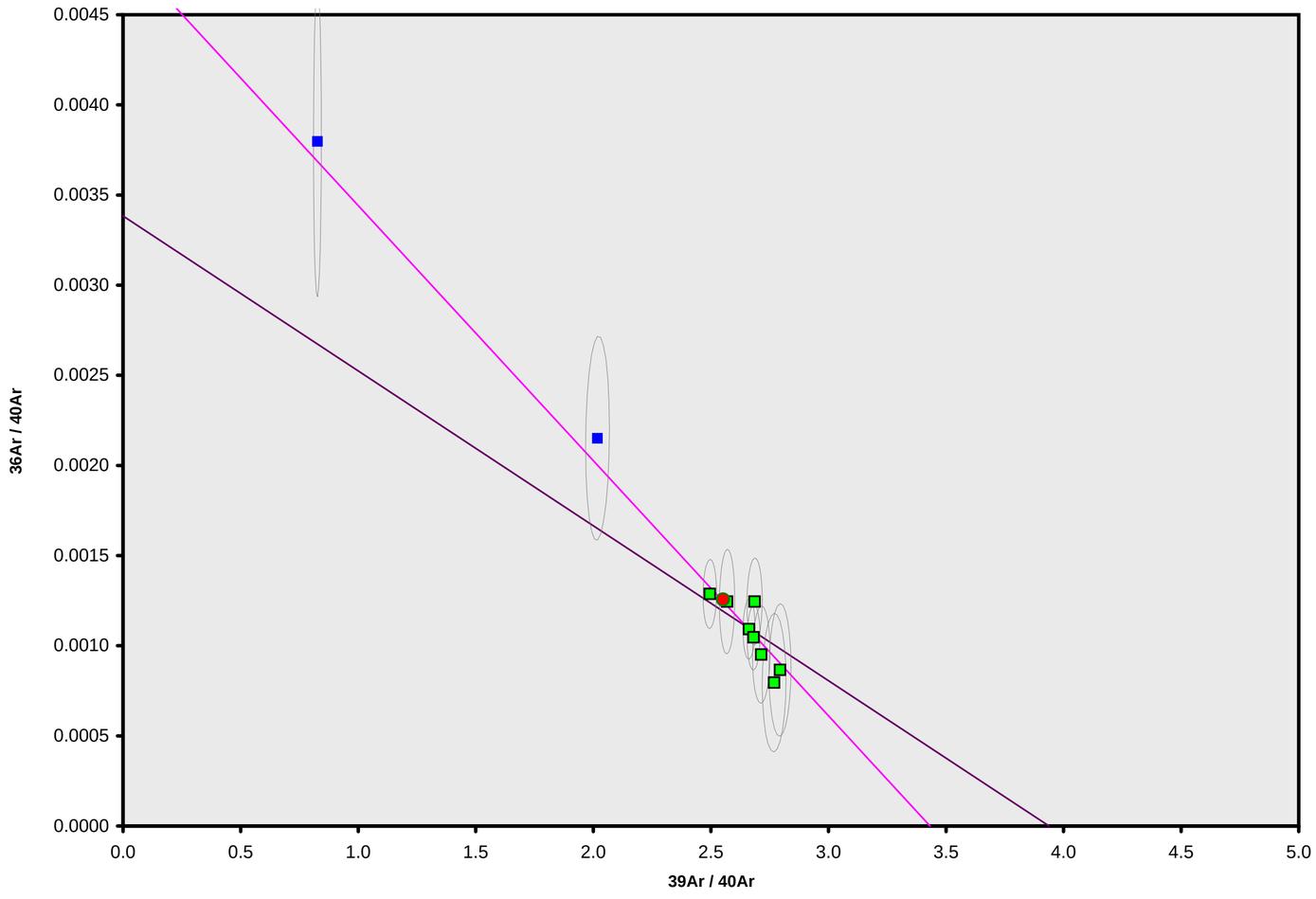
40AR/36AR INTERCEPT
218.7 ± 112.7

Sample Info

K-Feldspar 105-300µm
Tulaga, Samoa
Jamie Russell

IRR = OSU3E06
J = 0.00172970 ± 0.00000415

06C3636.AGE >>> TUL-2 3E2-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
0.79 ± 0.03
TOTAL FUSION
0.77 ± 0.03
NORMAL ISOCHRON
0.89 ± 0.15
INVERSE ISOCHRON
0.91 ± 0.13

MSWD (PROBABILITY)
0.55 (77%)

SPREADING FACTOR
8.7%

40AR/36AR INTERCEPT
205.9 ± 110.6

Sample Info

K-Feldspar 105-300µm
Tulaga, Samoa
Jamie Russell

IRR = OSU3E06
J = 0.00172970 ± 0.00000415