Incremental Heating			36Ar(a)	37Ar(ca)	38Ar(cl)	39Ar(k)	40Ar(r)	Age ± 2σ (Ma)	40Ar(r) (%)	39Ar(k) (%)	K/Ca ± 2σ
07C1947	0.00 W		0.022294	0.000305	0.000075	0.001129	0.059843	142.70 ± 215.48	0.90	0.08	1.590 ± 1.057
07C1948	0.01 W		0.037196	0.001771	0.000193	0.006111	0.140959	63.50 ± 73.62	1.27	0.41	1.484 ± 0.252
07C1949	0.02 W		0.042484	0.003076	0.000299	0.013812	0.195589	39.25 ± 41.70	1.53	0.92	1.931 ± 0.200
07C1951	0.03 W		0.033527	0.004600	0.000201	0.022080	0.113591	14.36 ± 17.28	1.13	1.47	2.064 ± 0.140
07C1952	0.09 W		0.032279	0.008538	0.000344	0.038584	0.277331	20.03 ± 10.16	2.83	2.56	1.943 ± 0.116
07C1953	0.18 W		0.024249	0.014171	0.000490	0.062845	0.166376	7.40 ± 4.22	2.27	4.17	1.907 ± 0.113
07C1955	0.21 W		0.015099	0.019134	0.000480	0.082022	0.082998	2.83 ± 2.23	1.83	5.45	1.843 ± 0.086
07C1956	0.29 W		0.007840	0.028422	0.000572	0.111305	0.100732	2.53 ± 0.79	4.17	7.39	1.684 ± 0.080
07C1957	0.32 W		0.003125	0.042444	0.000555	0.137928	0.064356	1.31 ± 0.31	6.51	9.16	1.397 ± 0.061
07C1959	0.44 W		0.001225	0.074691	0.000739	0.195624	0.056674	0.81 ± 0.12	13.52	12.99	1.126 ± 0.048
07C1960	0.62 W	✓	0.000372	0.088109	0.000471	0.159647	0.033046	0.58 ± 0.13	23.08	10.60	0.779 ± 0.033
07C1961	0.80 W	✓	0.000201	0.096535	0.000244	0.124587	0.026207	0.59 ± 0.16	30.53	8.28	0.555 ± 0.024
07C1963	0.97 W	✓	0.000206	0.123716	0.000194	0.134903	0.027786	0.58 ± 0.16	31.29	8.96	0.469 ± 0.020
07C1964	1.21 W	✓	0.000204	0.107520	0.000128	0.098563	0.018637	0.53 ± 0.19	23.61	6.55	0.394 ± 0.017
07C1965	1.50 W	✓	0.000210	0.083594	0.000088	0.070662	0.013422	0.53 ± 0.31	17.76	4.69	0.363 ± 0.016
07C1967	1.86 W	✓	0.000281	0.104391	0.000155	0.068765	0.011634	0.47 ± 0.29	12.28	4.57	0.283 ± 0.012
07C1968	2.71 W	✓	0.000549	0.314377	0.000294	0.082920	0.011001	0.37 ± 0.26	6.35	5.51	0.113 ± 0.005
07C1969	3.57 W	✓	0.000708	0.654315	0.000239	0.059214	0.016199	0.77 ± 0.37	7.18	3.93	0.039 ± 0.002
07C1970	4.54 W	✓	0.001056	0.493392	0.000110	0.029029	0.008607	0.83 ± 0.97	2.69	1.93	0.025 ± 0.001
07C2126	0.35 W		0.000005	0.066481	0.000000	0.005838	0.001910	0.92 ± 2.19	482.07	0.39	0.038 ± 0.002
		Σ	0.223097	2.329582	0.005872	1.505568	1.426898				

Information on Analysis

Sample = OFU-3 4D9-06
Material = Groundmass 210-300 µm
Location = Ofu, Samoa
Analyst = Jamie Russell
Project = SAMOA
Mass Discrimination Law = LIN
Irradiation = OSU4D06
J = 0.00154950 ± 0.00000418
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	0.1998 ± 0.0244	0.56 ± 0.07	0.56	55.02	0.037 ± 0.035
	± 12.20%	± 12.21%	81%	9	
	Minimal External Error	± 0.07	1.50	2σ Confidence Limit	
	Analytical Error	± 0.07	1.0000	Error Magnification	
Total Fusion Age	0.9477 ± 0.2436	2.65 ± 0.68		20	0.278 ± 0.011
	± 25.71%	± 25.69%			
	Minimal External Error	± 0.68			
	Analytical Error	± 0.68			

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
07C1947	0.00 W		0.1 ± 0.0	298.2 ± 4.2	0.1863
07C1948	0.01 W		0.2 ± 0.0	299.3 ± 4.5	0.7269
07C1949	0.02 W		0.3 ± 0.0	300.1 ± 5.0	0.8667
07C1951	0.03 W		0.7 ± 0.0	298.9 ± 4.1	0.9310
07C1952	0.09 W		1.2 ± 0.0	304.1 ± 4.5	0.9294
07C1953	0.18 W		2.6 ± 0.0	302.4 ± 4.0	0.9259
07C1955	0.21 W		5.4 ± 0.1	301.0 ± 4.4	0.9683
07C1956	0.29 W		14.2 ± 0.2	308.3 ± 4.2	0.9340
07C1957	0.32 W		44.1 ± 0.7	316.1 ± 5.2	0.9396
07C1959	0.44 W		159.6 ± 3.3	341.8 ± 7.7	0.9001
07C1960	0.62 W	✓	429.4 ± 24.6	384.4 ± 24.1	0.9081
07C1961	0.80 W	✓	619.5 ± 62.5	425.8 ± 46.8	0.9171
07C1963	0.97 W	✓	655.8 ± 70.1	430.6 ± 49.5	0.9286
07C1964	1.21 W	✓	484.3 ± 45.6	387.1 ± 40.9	0.8875
07C1965	1.50 W	✓	336.7 ± 36.6	359.4 ± 43.1	0.9059
07C1967	1.86 W	✓	244.8 ± 17.6	336.9 ± 27.9	0.8681
07C1968	2.71 W	✓	151.1 ± 6.1	315.5 ± 14.6	0.8671
07C1969	3.57 W	✓	83.7 ± 2.7	318.4 ± 11.5	0.8652
07C1970	4.54 W	✓	27.5 ± 0.8	303.7 ± 9.8	0.9096
07C2126	0.35 W		1132.4 ± 3382.8	75.0 ± 228.2	0.9812

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	296.9505 ± 7.6625 ± 2.58%	0.1946 ± 0.0335 ± 17.22%	0.55 ± 0.09 ± 17.23%	0.63 73%
			Minimal External Error ± 0.09	
			Analytical Error ± 0.09	

Statistics				
	2σ Confidence Limit	2.07	Convergence	0.0000018325
	Error Magnification	1.0000	Number of Iterations	7
	Number of Data Points	9	Calculated Line	Weighted York-2

Inverse Isochron			39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
07C1947	0.00 W		0.000170 ± 0.000012	0.003354 ± 0.000048	0.0059
07C1948	0.01 W		0.000549 ± 0.000008	0.003341 ± 0.000051	0.0086
07C1949	0.02 W		0.001083 ± 0.000010	0.003332 ± 0.000056	0.0057
07C1951	0.03 W		0.002203 ± 0.000012	0.003346 ± 0.000046	0.0067
07C1952	0.09 W		0.003931 ± 0.000023	0.003288 ± 0.000049	0.0108
07C1953	0.18 W		0.008571 ± 0.000045	0.003307 ± 0.000044	0.0838
07C1955	0.21 W		0.018047 ± 0.000068	0.003322 ± 0.000049	0.0213
07C1956	0.29 W		0.046044 ± 0.000230	0.003243 ± 0.000044	0.0881
07C1957	0.32 W		0.139650 ± 0.000799	0.003164 ± 0.000052	0.1602
07C1959	0.44 W		0.467136 ± 0.004578	0.002926 ± 0.000066	0.3734
07C1960	0.62 W	✓	1.117177 ± 0.029380	0.002602 ± 0.000163	0.4118
07C1961	0.80 W	✓	1.454804 ± 0.063694	0.002349 ± 0.000258	0.3959
07C1963	0.97 W	✓	1.523143 ± 0.064977	0.002322 ± 0.000267	0.3683
07C1964	1.21 W	✓	1.251105 ± 0.060898	0.002584 ± 0.000273	0.4548
07C1965	1.50 W	✓	0.936607 ± 0.047516	0.002782 ± 0.000333	0.4198
07C1967	1.86 W	✓	0.726671 ± 0.029863	0.002968 ± 0.000246	0.4924
07C1968	2.71 W	✓	0.478828 ± 0.011002	0.003169 ± 0.000146	0.4822
07C1969	3.57 W	✓	0.262742 ± 0.004779	0.003141 ± 0.000114	0.4711
07C1970	4.54 W	✓	0.090570 ± 0.001212	0.003293 ± 0.000106	0.3632
07C2126	0.35 W		15.104060 ± 8.869957	0.013338 ± 0.040607	0.1928

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	297.2179 ± 7.6329 ± 2.57%	0.1950 ± 0.0326 ± 16.72%	0.55 ± 0.09 ± 16.73%	0.61 75%
		Minimal External Error ± 0.09		
		Analytical Error ± 0.09		

Statistics				
	2σ Confidence Limit	2.07	Convergence	0.0110777523
	Error Magnification	1.0000	Number of Iterations	4
	Number of Data Points	9	Calculated Line	Weighted York-2
	Spreading Factor	27.9%		

Relative Abundances			36Ar	%1σ	37Ar	%1σ	38Ar	%1σ	39Ar	%1σ	40Ar	%1σ	Age ± 2σ (Ma)	40Ar(r) (%)	39Ar(k) (%)	K/Ca ± 2σ
07C1947	0.00 W		0.0222943	0.702	0.0003055	32.999	0.0042551	0.684	0.0011295	3.642	6.6477773	0.123	142.70 ± 215.48	0.90	0.08	1.590 ± 1.057
07C1948	0.01 W		0.0371965	0.753	0.0017710	8.239	0.0072190	0.471	0.0061127	0.706	11.1323821	0.068	63.50 ± 73.62	1.27	0.41	1.484 ± 0.252
07C1949	0.02 W		0.0424845	0.835	0.0030759	4.752	0.0084069	0.497	0.0138142	0.477	12.7495170	0.048	39.25 ± 41.70	1.53	0.92	1.931 ± 0.200
07C1951	0.03 W		0.0335284	0.692	0.0046003	2.713	0.0067351	0.436	0.0220834	0.268	10.0208918	0.035	14.36 ± 17.28	1.13	1.47	2.064 ± 0.140
07C1952	0.09 W		0.0322810	0.740	0.0085377	2.184	0.0068442	0.633	0.0385905	0.289	9.8157211	0.048	20.03 ± 10.16	2.83	2.56	1.943 ± 0.116
07C1953	0.18 W		0.0242528	0.652	0.0141711	2.177	0.0057832	0.471	0.0628548	0.233	7.3320273	0.121	7.40 ± 4.22	2.27	4.17	1.907 ± 0.113
07C1955	0.21 W		0.0151046	0.729	0.0191341	1.191	0.0042964	0.617	0.0820360	0.180	4.5449705	0.054	2.83 ± 2.23	1.83	5.45	1.843 ± 0.086
07C1956	0.29 W		0.0078476	0.662	0.0284219	1.274	0.0033861	0.503	0.1113252	0.219	2.4175698	0.122	2.53 ± 0.79	4.17	7.39	1.684 ± 0.080
07C1957	0.32 W		0.0031361	0.794	0.0424440	0.863	0.0028110	0.683	0.1379577	0.210	0.9878915	0.194	1.31 ± 0.31	6.51	9.16	1.397 ± 0.061
07C1959	0.44 W		0.0012457	1.010	0.0746909	0.698	0.0033398	0.803	0.1956766	0.186	0.4190953	0.452	0.81 ± 0.12	13.52	12.99	1.126 ± 0.048
07C1960	0.62 W	✓	0.0003956	2.685	0.0881088	0.697	0.0024765	0.766	0.1597095	0.168	0.1431656	1.301	0.58 ± 0.13	23.08	10.60	0.779 ± 0.033
07C1961	0.80 W	✓	0.0002272	4.460	0.0965348	0.871	0.0017938	0.503	0.1246557	0.185	0.0858441	2.175	0.59 ± 0.16	30.53	8.28	0.555 ± 0.024
07C1963	0.97 W	✓	0.0002390	4.595	0.1237164	0.814	0.0018703	0.759	0.1349904	0.184	0.0887913	2.119	0.58 ± 0.16	31.29	8.96	0.469 ± 0.020
07C1964	1.21 W	✓	0.0002325	4.109	0.1075200	0.845	0.0013627	1.075	0.0986388	0.279	0.0789430	2.412	0.53 ± 0.19	23.61	6.55	0.394 ± 0.017
07C1965	1.50 W	✓	0.0002324	4.904	0.0835940	0.822	0.0009856	0.927	0.0707212	0.238	0.0755612	2.521	0.53 ± 0.31	17.76	4.69	0.363 ± 0.016
07C1967	1.86 W	✓	0.0003090	3.270	0.1043911	0.848	0.0010435	1.240	0.0688387	0.183	0.0947433	2.044	0.47 ± 0.29	12.28	4.57	0.283 ± 0.012
07C1968	2.71 W	✓	0.0006335	1.736	0.3143769	1.002	0.0014109	0.900	0.0831431	0.205	0.1733100	1.129	0.37 ± 0.26	6.35	5.51	0.113 ± 0.005
07C1969	3.57 W	✓	0.0008839	1.252	0.6543149	0.970	0.0011090	0.697	0.0596781	0.222	0.2254679	0.881	0.77 ± 0.37	7.18	3.93	0.039 ± 0.002
07C1970	4.54 W	✓	0.0011883	1.313	0.4933918	0.732	0.0006745	1.517	0.0293787	0.235	0.3205618	0.625	0.83 ± 0.97	2.69	1.93	0.025 ± 0.001
07C2126	0.35 W		0.0000132	58.473	0.0680981	1.165	0.0000479	12.576	0.0060281	0.457	0.0003961	28.637	0.92 ± 2.19	482.07	0.39	0.038 ± 0.002
		Σ	0.2237260	0.276	2.3311992	0.356	0.0658516	0.158	1.5073628	0.056	67.3546280	0.027				

Information on Analysis and Constants Used in Calculations

Sample = OFU-3 4D9-06
Material = Groundmass 210-300 µm
Location = Ofu, Samoa
Analyst = Jamie Russell
Project = SAMOA
Mass Discrimination Law = LIN
Irradiation = OSU4D06
J = 0.00154950 ± 0.00000418
FCT-3 = 28.030 ± 0.003 Ma
IGSN = KOP000033
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°06.1'S - 169°54.3'E

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

Results

Results	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (%,n)	K/Ca ± 2σ
Age Plateau	0.1998 ± 0.0244 (± 12.20%)	0.56 ± 0.07 (± 12.21%)	0.56	55.02	0.037 ± 0.035
			81%	9	
	Minimal External Error ± 0.07		1.50	2σ Confidence Limit	
	Analytical Error ± 0.07		1.0000	Error Magnification	
Total Fusion Age	0.9477 ± 0.2436 (± 25.71%)	2.65 ± 0.68 (± 25.69%)		20	0.278 ± 0.011
	Minimal External Error ± 0.68				
	Analytical Error ± 0.68				
Normal Isochron	0.1946 ± 0.0335 (± 17.22%)	0.55 ± 0.09 (± 17.23%)	0.63	55.02	
			73%	9	
	Minimal External Error ± 0.09		2.07	2σ Confidence Limit	
	Analytical Error ± 0.09		1.0000	Error Magnification	
Inverse Isochron	0.1950 ± 0.0326 (± 16.72%)	0.55 ± 0.09 (± 16.73%)	0.61	55.02	
			75%	9	
	Minimal External Error ± 0.09		2.07	2σ Confidence Limit	
	Analytical Error ± 0.09		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
07C1947	0.00 W		0.022294	0.70	0.000000	0.00	0.000000	33.00	0.000000	55.54	0.000305	33.00	0.004167	0.70	0.000000	0.00	0.000014	3.64	0.000000	39.61	0.000075	55.80	0.001129	3.64	0.000000	33.05	0.059843	78.43	6.587932	0.70	0.000000	0.00	0.000002	25.17
07C1948	0.01 W		0.037196	0.75	0.000000	0.00	0.000000	8.25	0.000000	32.80	0.001771	8.24	0.006952	0.75	0.000000	0.00	0.000074	0.71	0.000000	23.40	0.000193	33.24	0.006111	0.71	0.000001	8.44	0.140959	58.99	10.991413	0.75	0.000000	0.00	0.000010	24.91
07C1949	0.02 W		0.042484	0.84	0.000000	0.00	0.000001	4.77	0.000000	26.73	0.003076	4.75	0.007940	0.84	0.000000	0.00	0.000167	0.49	0.000000	22.41	0.000299	27.27	0.013812	0.48	0.000002	5.09	0.195589	53.69	12.553905	0.84	0.000000	0.00	0.000023	24.90
07C1951	0.03 W		0.033527	0.69	0.000000	0.00	0.000001	2.74	0.000000	26.56	0.004600	2.71	0.006266	0.69	0.000000	0.00	0.000267	0.29	0.000000	22.07	0.000201	27.10	0.022080	0.27	0.000003	3.27	0.113591	60.41	9.907264	0.69	0.000000	0.00	0.000036	24.90
07C1952	0.09 W		0.032279	0.74	0.000000	0.00	0.000002	2.21	0.000000	18.88	0.008538	2.18	0.006033	0.74	0.000000	0.00	0.000467	0.31	0.000000	22.01	0.000344	19.63	0.038584	0.29	0.000006	2.85	0.277331	25.50	9.538326	0.74	0.000000	0.00	0.000064	24.90
07C1953	0.18 W		0.024249	0.65	0.000000	0.00	0.000004	2.21	0.000000	9.82	0.014171	2.18	0.004532	0.65	0.000000	0.00	0.000761	0.25	0.000000	22.01	0.000490	11.20	0.062845	0.23	0.000010	2.84	0.166376	28.56	7.165547	0.65	0.000000	0.00	0.000104	24.90
07C1955	0.21 W		0.015099	0.73	0.000000	0.00	0.000005	1.25	0.000000	8.83	0.019134	1.19	0.002822	0.73	0.000000	0.00	0.000993	0.21	0.000001	21.93	0.000480	10.34	0.082022	0.18	0.000014	2.18	0.082998	39.32	4.461837	0.73	0.000000	0.00	0.000135	24.90
07C1956	0.29 W		0.007840	0.66	0.000000	0.00	0.000008	1.33	0.000000	6.41	0.028422	1.27	0.001465	0.66	0.000000	0.00	0.001348	0.24	0.000001	21.94	0.000572	8.37	0.111305	0.22	0.000020	2.23	0.100732	15.52	2.316654	0.66	0.000000	0.00	0.000184	24.90
07C1957	0.32 W		0.003125	0.80	0.000000	0.00	0.000011	0.94	0.000000	6.49	0.042444	0.86	0.000584	0.80	0.000000	0.00	0.001670	0.23	0.000001	21.92	0.000555	8.43	0.137928	0.21	0.000030	2.02	0.064356	11.82	0.923308	0.80	0.000000	0.00	0.000228	24.90
07C1959	0.44 W		0.001225	1.03	0.000000	0.00	0.000020	0.79	0.000000	6.54	0.074691	0.70	0.000229	1.03	0.000000	0.00	0.002369	0.21	0.000002	21.91	0.000739	8.47	0.195624	0.19	0.000053	1.96	0.056674	7.36	0.362098	1.03	0.000000	0.00	0.000323	24.90
07C1960	0.62 W	✓	0.000372	2.86	0.000000	0.00	0.000024	0.79	0.000000	6.79	0.088109	0.70	0.000069	2.86	0.000000	0.00	0.001933	0.20	0.000003	21.91	0.000471	8.67	0.159647	0.17	0.000062	1.96	0.033046	11.05	0.109856	2.86	0.000000	0.00	0.000263	24.90
07C1961	0.80 W	✓	0.000201	5.04	0.000000	0.00	0.000026	0.95	0.000000	6.71	0.096535	0.87	0.000038	5.04	0.000000	0.00	0.001509	0.21	0.000003	21.92	0.000244	8.60	0.124587	0.18	0.000068	2.03	0.026207	13.47	0.059432	5.04	0.000000	0.00	0.000206	24.90
07C1963	0.97 W	✓	0.000206	5.34	0.000000	0.00	0.000033	0.89	0.000000	9.32	0.123716	0.81	0.000038	5.34	0.000000	0.00	0.001634	0.21	0.000004	21.92	0.000194	10.76	0.134903	0.18	0.000088	2.00	0.027786	13.51	0.060783	5.34	0.000000	0.00	0.000223	24.90
07C1964	1.21 W	✓	0.000204	4.70	0.000000	0.00	0.000029	0.92	0.000000	13.07	0.107520	0.85	0.000038	4.70	0.000000	0.00	0.001194	0.30	0.000003	21.92	0.000128	14.13	0.098563	0.28	0.000076	2.02	0.018637	18.28	0.060143	4.70	0.000000	0.00	0.000163	24.90
07C1965	1.50 W	✓	0.000210	5.43	0.000000	0.00	0.000022	0.90	0.000000	12.23	0.083594	0.82	0.000039	5.43	0.000000	0.00	0.000856	0.26	0.000003	21.92	0.000088	13.36	0.070662	0.24	0.000059	2.01	0.013422	28.83	0.062023	5.43	0.000000	0.00	0.000117	24.90
07C1967	1.86 W	✓	0.000281	3.60	0.000000	0.00	0.000028	0.92	0.000000	10.09	0.104391	0.85	0.000052	3.60	0.000000	0.00	0.000833	0.21	0.000003	21.92	0.000155	11.43	0.068765	0.18	0.000074	2.02	0.011634	30.60	0.082996	3.60	0.000000	0.00	0.000113	24.90
07C1968	2.71 W	✓	0.000549	2.01	0.000000	0.00	0.000085	1.07	0.000000	7.02	0.314377	1.00	0.000103	2.01	0.000000	0.00	0.001004	0.23	0.000010	21.92	0.000294	8.85	0.082920	0.21	0.000223	2.09	0.011001	34.56	0.162173	2.01	0.000000	0.00	0.000137	24.90
07C1969	3.57 W	✓	0.000708	1.58	0.000000	0.00	0.000176	1.04	0.000000	6.67	0.654315	0.97	0.000132	1.58	0.000000	0.00	0.000717	0.25	0.000021	21.92	0.000239	8.57	0.059214	0.22	0.000464	2.07	0.016199	23.85	0.209171	1.58	0.000000	0.00	0.000098	24.90
07C1970	4.54 W	✓	0.001056	1.48	0.000000	0.00	0.000133	0.82	0.000000	11.55	0.493392	0.73	0.000197	1.48	0.000000	0.00	0.000352	0.26	0.000016	21.91	0.000110	12.74	0.029029	0.24	0.000350	1.97	0.008607	58.54	0.311907	1.48	0.000000	0.00	0.000048	24.90
07C2126	0.35 W		0.000005	149.36	0.000000	0.00	0.000018	1.27	0.000000	0.00	0.066481	1.22	0.000001	149.36	0.000000	0.00	0.000071	0.59	0.000002	21.93	0.000000	0.00	0.005838	0.58	0.000047	2.20	0.001910	119.30	0.001523	149.36	0.000000	0.00	0.000010	24.91
		Σ	0.223097	0.28	0.000000	0.00	0.000627	0.38	0.000002	3.02	2.329582	0.36	0.041697	0.28	0.000000	0.00	0.018232	0.06	0.000075	8.65	0.005872	3.34	1.505568	0.06	0.001652	0.81	1.426898	12.85	65.925246	0.28	0.000000	0.00	0.002484	6.87
		Σ							0.223726	0.28	2.329582	0.36									0.065876	0.35			1.507220	0.06							67.354628	0.38

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)
07C1947	0.00 W		52.993042	41.60912	6.647775	0.00820	5885.695030	214.46784	0.270445	0.08979	19.738536	0.73205	140.648	16.12781843	1.00099379	2.194E-17
07C1948	0.01 W		23.064791	13.60599	11.132372	0.00756	1821.190202	12.90896	0.289732	0.02396	6.085124	0.06281	140.666	16.13357118	1.00099391	3.674E-17
07C1949	0.02 W		14.160832	7.60366	12.749494	0.00611	922.931246	4.42739	0.222664	0.01063	3.075433	0.02958	140.684	16.13932597	1.00099404	4.207E-17
07C1951	0.03 W		5.144519	3.10762	10.020855	0.00355	453.775693	1.22893	0.208315	0.00568	1.518266	0.01126	140.725	16.15239255	1.00099433	3.307E-17
07C1952	0.09 W		7.187641	1.83270	9.815657	0.00475	254.355744	0.74521	0.221238	0.00487	0.836500	0.00664	140.743	16.15815406	1.00099446	3.239E-17
07C1953	0.18 W		2.647417	0.75624	7.331924	0.00885	116.650230	0.30604	0.225458	0.00494	0.385855	0.00267	140.762	16.16413934	1.00099459	2.420E-17
07C1955	0.21 W		1.011894	0.39786	4.544835	0.00246	55.402161	0.10397	0.233240	0.00281	0.184121	0.00138	140.799	16.17589467	1.00099485	1.500E-17
07C1956	0.29 W		0.905010	0.14046	2.417386	0.00295	21.716290	0.05433	0.255306	0.00330	0.070492	0.00049	140.816	16.18144260	1.00099497	7.978E-18
07C1957	0.32 W		0.466592	0.05514	0.987664	0.00191	7.160832	0.02047	0.307660	0.00273	0.022733	0.00019	140.835	16.18743651	1.00099511	3.260E-18
07C1959	0.44 W		0.289709	0.02134	0.418772	0.00190	2.141775	0.01048	0.381706	0.00276	0.006366	0.00007	140.871	16.19898659	1.00099536	1.383E-18
07C1960	0.62 W	✓	0.206993	0.02287	0.142902	0.00186	0.896412	0.01176	0.551681	0.00396	0.002477	0.00007	140.890	16.20498699	1.00099549	4.724E-19
07C1961	0.80 W	✓	0.210348	0.02833	0.085639	0.00187	0.688650	0.01503	0.774411	0.00689	0.001822	0.00008	140.908	16.21076726	1.00099562	2.833E-19
07C1963	0.97 W	✓	0.205968	0.02782	0.088569	0.00188	0.657760	0.01399	0.916483	0.00765	0.001771	0.00008	140.944	16.22233399	1.00099588	2.930E-19
07C1964	1.21 W	✓	0.189088	0.03456	0.078780	0.00190	0.800325	0.01943	1.090038	0.00970	0.002357	0.00010	140.963	16.22834304	1.00099601	2.605E-19
07C1965	1.50 W	✓	0.189945	0.05477	0.075445	0.00191	1.068438	0.02706	1.182023	0.01012	0.003286	0.00016	140.981	16.23413164	1.00099614	2.494E-19
07C1967	1.86 W	✓	0.169180	0.05177	0.094630	0.00194	1.376307	0.02824	1.516459	0.01315	0.004489	0.00015	141.017	16.24571504	1.00099639	3.127E-19
07C1968	2.71 W	✓	0.132665	0.04586	0.173173	0.00196	2.084478	0.02392	3.781154	0.03866	0.007619	0.00013	141.035	16.25173275	1.00099652	5.719E-19
07C1969	3.57 W	✓	0.273566	0.06524	0.225370	0.00199	3.778069	0.03432	10.964073	0.10906	0.014812	0.00019	141.053	16.25752970	1.00099665	7.440E-19
07C1970	4.54 W	✓	0.296511	0.17358	0.320514	0.00200	10.911370	0.07287	16.794203	0.12912	0.040447	0.00054	141.072	16.26332871	1.00099678	1.058E-18
07C2126	0.35 W		0.327120	0.39026	0.000387	0.00011	0.065715	0.01882	11.296737	0.14141	0.002184	0.00128	148.092	18.68226324	1.00104636	1.307E-21

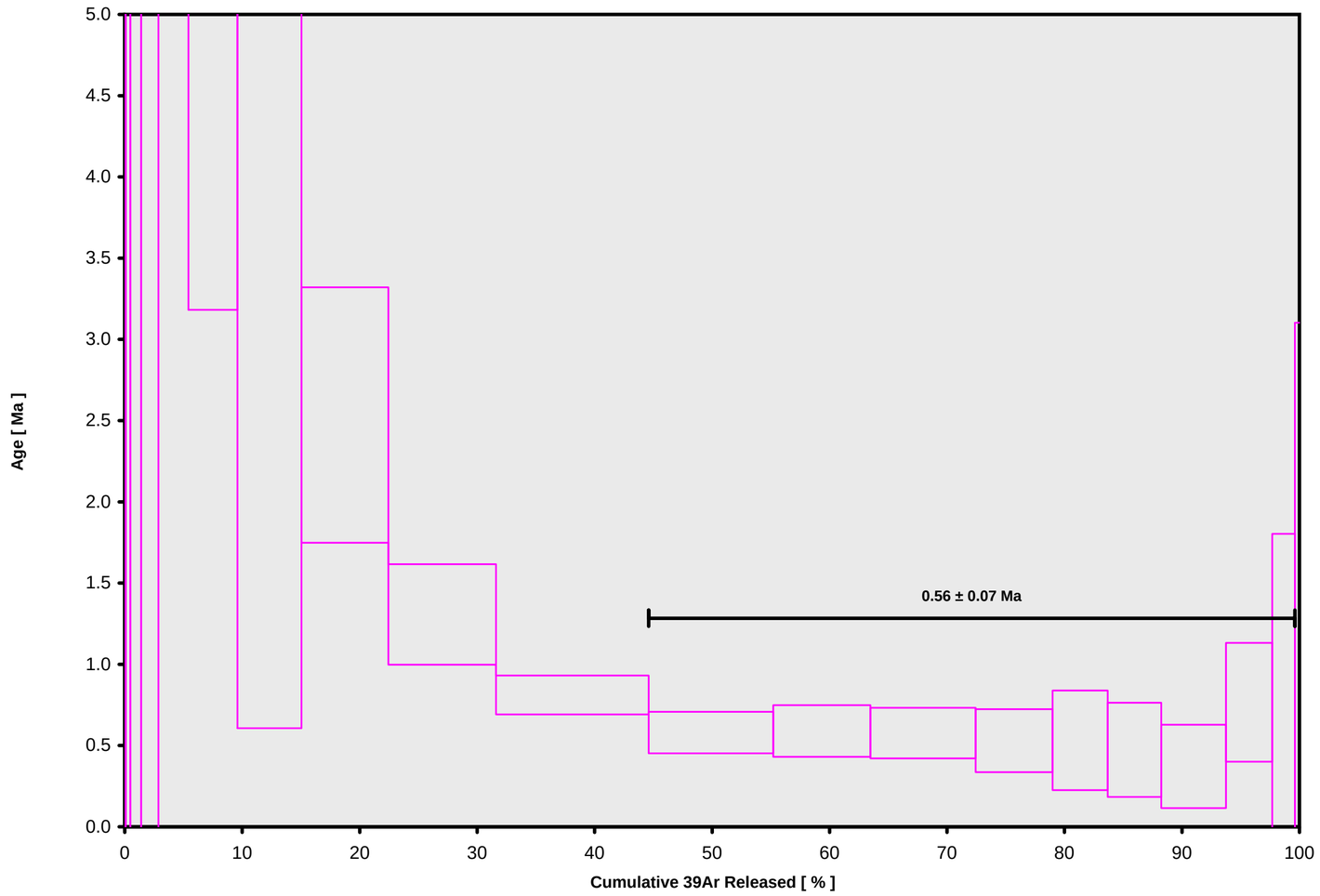
Procedure Blanks		36Ar	1σ	37Ar	1σ	38Ar	1σ	39Ar	1σ	40Ar	1σ
07C1947	0.00 W	0.000075	0.000008	0.000030	0.000005	0.000029	0.000005	0.000175	0.000033	0.023093	0.001988
07C1948	0.01 W	0.000082	0.000008	0.000036	0.000005	0.000034	0.000005	0.000257	0.000032	0.025672	0.001967
07C1949	0.02 W	0.000086	0.000008	0.000040	0.000005	0.000036	0.000005	0.000313	0.000032	0.027157	0.001948
07C1951	0.03 W	0.000089	0.000008	0.000044	0.000005	0.000036	0.000005	0.000363	0.000031	0.027547	0.001910
07C1952	0.09 W	0.000087	0.000008	0.000043	0.000005	0.000034	0.000005	0.000361	0.000031	0.026826	0.001897
07C1953	0.18 W	0.000085	0.000008	0.000042	0.000005	0.000031	0.000005	0.000348	0.000031	0.025740	0.001885
07C1955	0.21 W	0.000080	0.000008	0.000039	0.000005	0.000026	0.000005	0.000302	0.000031	0.023168	0.001867
07C1956	0.29 W	0.000077	0.000008	0.000037	0.000005	0.000023	0.000005	0.000276	0.000031	0.021964	0.001862
07C1957	0.32 W	0.000074	0.000008	0.000034	0.000005	0.000020	0.000005	0.000246	0.000030	0.020793	0.001859
07C1959	0.44 W	0.000070	0.000008	0.000031	0.000005	0.000017	0.000005	0.000195	0.000030	0.019166	0.001858
07C1960	0.62 W	0.000069	0.000008	0.000029	0.000005	0.000016	0.000005	0.000172	0.000030	0.018734	0.001860
07C1961	0.80 W	0.000068	0.000008	0.000028	0.000005	0.000016	0.000005	0.000155	0.000031	0.018610	0.001865
07C1963	0.97 W	0.000069	0.000008	0.000026	0.000005	0.000017	0.000005	0.000133	0.000031	0.019188	0.001881
07C1964	1.21 W	0.000070	0.000008	0.000026	0.000005	0.000019	0.000005	0.000128	0.000031	0.019862	0.001892
07C1965	1.50 W	0.000072	0.000008	0.000026	0.000005	0.000020	0.000005	0.000126	0.000031	0.020681	0.001905
07C1967	1.86 W	0.000076	0.000008	0.000026	0.000005	0.000022	0.000005	0.000128	0.000032	0.022512	0.001935
07C1968	2.71 W	0.000078	0.000008	0.000026	0.000005	0.000023	0.000005	0.000128	0.000032	0.023355	0.001954
07C1969	3.57 W	0.000080	0.000008	0.000026	0.000005	0.000022	0.000005	0.000126	0.000032	0.023932	0.001974
07C1970	4.54 W	0.000081	0.000008	0.000025	0.000005	0.000020	0.000005	0.000120	0.000033	0.024134	0.001996
07C2126	0.35 W	0.000079	0.000006	0.000040	0.000004	0.000033	0.000004	0.000333	0.000007	0.022974	0.000095

Intercept Values		36Ar	1σ	r2		37Ar	1σ	r2		38Ar	1σ	r2		39Ar	1σ	r2		40Ar	1σ	r2	
07C1947	0.00 W	0.022355	0.000067	0.9042	LIN #	0.000049	0.000004	0.9974	LIN #	0.004249	0.000025	0.5746	LIN # 1	0.001288	0.000025	0.9999	LIN #	6.567757	0.007831	0.9835	LIN #
07C1948	0.01 W	0.037252	0.000152	0.9167	LIN # 1	0.000145	0.000008	0.9971	LIN #	0.007194	0.000024	0.6764	LIN #	0.006288	0.000027	1.0000	LIN #	10.984499	0.007186	0.9962	EXP #
07C1949	0.02 W	0.042537	0.000231	0.8194	LIN # 1	0.000229	0.000007	0.9975	LIN #	0.008374	0.000031	0.3220	LIN # 2	0.013944	0.000053	0.9999	LIN #	12.576705	0.005700	0.9981	EXP #
07C1951	0.03 W	0.033580	0.000093	0.9704	LIN # 1	0.000326	0.000006	0.9977	LIN #	0.006713	0.000019	0.7013	LIN #	0.022149	0.000035	0.9999	LIN #	9.888249	0.002944	0.9992	EXP #
07C1952	0.09 W	0.032326	0.000123	0.9096	LIN # 3	0.000568	0.000010	0.9930	LIN #	0.006818	0.000037	0.4620	LIN # 3	0.038429	0.000086	0.9995	LIN #	9.683734	0.004285	0.9985	LIN #
07C1953	0.18 W	0.024304	0.000037	0.9903	LIN # 1	0.000914	0.000018	0.9643	LIN #	0.005763	0.000019	0.1095	LIN # 1	0.062349	0.000100	0.9985	EXP #	7.238335	0.008505	0.9895	EXP #
07C1955	0.21 W	0.015164	0.000054	0.9533	LIN # 1	0.001215	0.000011	0.9610	LIN #	0.004284	0.000022	0.3581	LIN #	0.081234	0.000059	0.9965	EXP #	4.494429	0.001575	0.9992	LIN #
07C1956	0.29 W	0.007913	0.000013	0.9879	EXP # 1	0.001784	0.000019	0.6860	LIN #	0.003379	0.000012	0.7267	LIN #	0.110105	0.000161	0.8412	EXP #	2.400171	0.002245	0.9936	EXP #
07C1957	0.32 W	0.003205	0.000013	0.9070	LIN #	0.002643	0.000015	0.4950	LIN # 1	0.002807	0.000016	0.4868	LIN # 1	0.136365	0.000183	0.9867	LIN #	0.992506	0.000448	0.9976	EXP #
07C1959	0.44 W	0.001313	0.000006	0.7077	LIN #	0.004617	0.000014	0.9507	LIN #	0.003327	0.000024	0.7997	LIN #	0.193208	0.000182	0.9961	LIN #	0.431105	0.000372	0.9630	LIN # 1
07C1960	0.62 W	0.000462	0.000007	0.0039	LIN #	0.005435	0.000016	0.9781	LIN # 1	0.002470	0.000016	0.8684	LIN #	0.157646	0.000074	0.9991	EXP #	0.159193	0.000085	0.9976	EXP #
07C1961	0.80 W	0.000294	0.000006	0.4981	LIN #	0.005950	0.000036	0.9346	LIN # 1 2	0.001793	0.000005	0.9090	LIN #	0.123077	0.000110	0.9964	LIN #	0.102718	0.000087	0.9986	EXP #
07C1963	0.97 W	0.000306	0.000008	0.0590	LIN #	0.007613	0.000040	0.9481	EXP # 1	0.001871	0.000012	0.5881	LIN #	0.133286	0.000117	0.9965	LIN #	0.106216	0.000047	0.9992	EXP #
07C1964	1.21 W	0.000301	0.000005	0.3170	LIN #	0.006616	0.000037	0.9198	LIN # 1	0.001369	0.000013	0.4693	LIN #	0.097414	0.000221	0.9673	LIN #	0.097182	0.000213	0.9877	LIN #
07C1965	1.50 W	0.000303	0.000008	0.0818	LIN #	0.005147	0.000027	0.8570	EXP #	0.000996	0.000007	0.6297	LIN #	0.069870	0.000119	0.9804	EXP #	0.094652	0.000046	0.9991	EXP #
07C1967	1.86 W	0.000383	0.000006	0.1243	LIN # 7	0.006414	0.000037	0.9122	LIN # 1	0.001055	0.000011	0.4037	LIN #	0.067988	0.000051	0.9960	LIN #	0.115273	0.000062	0.9970	EXP #
07C1968	2.71 W	0.000709	0.000006	0.2937	LIN #	0.019258	0.000151	0.8166	LIN #	0.001420	0.000011	0.6451	LIN #	0.082091	0.000100	0.9907	LIN # 1	0.193340	0.000099	0.9545	LIN # 1
07C1969	3.57 W	0.000961	0.000005	0.4126	LIN # 8	0.040044	0.000298	0.8816	LIN # 1	0.001120	0.000005	0.8355	LIN #	0.058962	0.000085	0.9836	LIN #	0.245207	0.000211	0.9675	EXP # 1
07C1970	4.54 W	0.001265	0.000011	0.5471	LIN #	0.030182	0.000117	0.9778	LIN # 1 3	0.000687	0.000009	0.0000	LIN #	0.029074	0.000038	0.9355	LIN #	0.338801	0.000178	0.9961	EXP #
07C2126	0.35 W	0.000091	0.000004	0.1888	LIN #	0.003672	0.000035	0.7862	LIN # 1	0.000080	0.000004	0.8484	LIN # 1	0.006283	0.000025	0.9652	LIN #	0.023025	0.000062	0.9978	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
07C1947	0.00 W	OFU-3 4D9-06	Groundmass 210-300 µm	Ofu, Samoa	Jamie Russell	0	28.03	0.01	0.0015495	0.27	1.00378	0.16	1.0157	3.300E-18	11	MAY	2007	07	33	001	OSU4D06	Samoa	07C1947	01	FCT-3
07C1948	0.01 W	OFU-3 4D9-06	Groundmass 210-300 µm	Ofu, Samoa	Jamie Russell	0.01	28.03	0.01	0.0015495	0.27	1.00378	0.16	1.0158	3.300E-18	11	MAY	2007	07	59	001	OSU4D06	Samoa	07C1947	01	FCT-3
07C1949	0.02 W	OFU-3 4D9-06	Groundmass 210-300 µm	Ofu, Samoa	Jamie Russell	0.02	28.03	0.01	0.0015495	0.27	1.00378	0.16	1.0159	3.300E-18	11	MAY	2007	08	25	001	OSU4D06	Samoa	07C1947	01	FCT-3
07C1951	0.03 W	OFU-3 4D9-06	Groundmass 210-300 µm	Ofu, Samoa	Jamie Russell	0.03	28.03	0.01	0.0015495	0.27	1.00378	0.16	1.0162	3.300E-18	11	MAY	2007	09	24	001	OSU4D06	Samoa	07C1947	01	FCT-3
07C1952	0.09 W	OFU-3 4D9-06	Groundmass 210-300 µm	Ofu, Samoa	Jamie Russell	0.09	28.03	0.01	0.0015495	0.27	1.00378	0.16	1.0164	3.300E-18	11	MAY	2007	09	50	001	OSU4D06	Samoa	07C1947	01	FCT-3
07C1953	0.18 W	OFU-3 4D9-06	Groundmass 210-300 µm	Ofu, Samoa	Jamie Russell	0.18	28.03	0.01	0.0015495	0.27	1.00378	0.16	1.0165	3.300E-18	11	MAY	2007	10	17	001	OSU4D06	Samoa	07C1947	01	FCT-3
07C1955	0.21 W	OFU-3 4D9-06	Groundmass 210-300 µm	Ofu, Samoa	Jamie Russell	0.21	28.03	0.01	0.0015495	0.27	1.00378	0.16	1.0164	3.300E-18	11	MAY	2007	11	10	001	OSU4D06	Samoa	07C1947	01	FCT-3
07C1956	0.29 W	OFU-3 4D9-06	Groundmass 210-300 µm	Ofu, Samoa	Jamie Russell	0.29	28.03	0.01	0.0015495	0.27	1.00378	0.16	1.0164	3.300E-18	11	MAY	2007	11	35	001	OSU4D06	Samoa	07C1947	01	FCT-3
07C1957	0.32 W	OFU-3 4D9-06	Groundmass 210-300 µm	Ofu, Samoa	Jamie Russell	0.32	28.03	0.01	0.0015495	0.27	1.00378	0.16	1.0163	3.300E-18	11	MAY	2007	12	02	001	OSU4D06	Samoa	07C1947	01	FCT-3
07C1959	0.44 W	OFU-3 4D9-06	Groundmass 210-300 µm	Ofu, Samoa	Jamie Russell	0.44	28.03	0.01	0.0015495	0.27	1.00378	0.16	1.0166	3.300E-18	11	MAY	2007	12	54	001	OSU4D06	Samoa	07C1947	01	FCT-3
07C1960	0.62 W	OFU-3 4D9-06	Groundmass 210-300 µm	Ofu, Samoa	Jamie Russell	0.62	28.03	0.01	0.0015495	0.27	1.00378	0.16	1.017	3.300E-18	11	MAY	2007	13	21	001	OSU4D06	Samoa	07C1947	01	FCT-3
07C1961	0.80 W	OFU-3 4D9-06	Groundmass 210-300 µm	Ofu, Samoa	Jamie Russell	0.8	28.03	0.01	0.0015495	0.27	1.00378	0.16	1.0169	3.300E-18	11	MAY	2007	13	47	001	OSU4D06	Samoa	07C1947	01	FCT-3
07C1963	0.97 W	OFU-3 4D9-06	Groundmass 210-300 µm	Ofu, Samoa	Jamie Russell	0.97	28.03	0.01	0.0015495	0.27	1.00378	0.16	1.0166	3.300E-18	11	MAY	2007	14	39	001	OSU4D06	Samoa	07C1947	01	FCT-3
07C1964	1.21 W	OFU-3 4D9-06	Groundmass 210-300 µm	Ofu, Samoa	Jamie Russell	1.21	28.03	0.01	0.0015495	0.27	1.00378	0.16	1.0167	3.300E-18	11	MAY	2007	15	06	001	OSU4D06	Samoa	07C1947	01	FCT-3
07C1965	1.50 W	OFU-3 4D9-06	Groundmass 210-300 µm	Ofu, Samoa	Jamie Russell	1.5	28.03	0.01	0.0015495	0.27	1.00378	0.16	1.0168	3.300E-18	11	MAY	2007	15	32	001	OSU4D06	Samoa	07C1947	01	FCT-3
07C1967	1.86 W	OFU-3 4D9-06	Groundmass 210-300 µm	Ofu, Samoa	Jamie Russell	1.86	28.03	0.01	0.0015495	0.27	1.00378	0.16	1.0172	3.300E-18	11	MAY	2007	16	24	001	OSU4D06	Samoa	07C1947	01	FCT-3
07C1968	2.71 W	OFU-3 4D9-06	Groundmass 210-300 µm	Ofu, Samoa	Jamie Russell	2.71	28.03	0.01	0.0015495	0.27	1.00378	0.16	1.0172	3.300E-18	11	MAY	2007	16	51	001	OSU4D06	Samoa	07C1947	01	FCT-3
07C1969	3.57 W	OFU-3 4D9-06	Groundmass 210-300 µm	Ofu, Samoa	Jamie Russell	3.57	28.03	0.01	0.0015495	0.27	1.00378	0.16	1.0171	3.300E-18	11	MAY	2007	17	17	001	OSU4D06	Samoa	07C1947	01	FCT-3
07C1970	4.54 W	OFU-3 4D9-06	Groundmass 210-300 µm	Ofu, Samoa	Jamie Russell	4.54	28.03	0.01	0.0015495	0.27	1.00378	0.16	1.0174	3.300E-18	11	MAY	2007	17	43	001	OSU4D06	Samoa	07C1947	01	FCT-3
07C2126	0.35 W	OFU-3 4D9-06	Groundmass 210-300 µm	Ofu, Samoa	Jamie Russell	0.35	28.03	0.01	0.0015872	0.22	1.00378	0.16	1.015	3.300E-18	18	MAY	2007	18	12	001	OSU4D06	Samoa	07C1947	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
07C1947	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
07C1948	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
07C1949	0.02 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
07C1951	0.03 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
07C1952	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
07C1953	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
07C1955	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
07C1956	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
07C1957	0.32 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
07C1959	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
07C1960	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
07C1961	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
07C1963	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
07C1964	1.21 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
07C1965	1.50 W	295.5	0	0.018	35	0.1869	0	1.493	3	0.000709	1.83	0.000032	21.9	0.000269	0.37	0.00165	24.9	0.01211	0.1	0	0	0.43	2	0	0	0	0
07C1967	1.86 W	295.5	0	0.018	35	0.1869	0	1.493	3	0.000709	1.83	0.000032	21.9	0.000269	0.37	0.00165	24.9	0.01211	0.1	0	0	0.43	2	0	0	0	0
07C1968	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
07C1969	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
07C1970	4.54 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
07C2126	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

07C1947.AGE >>> OFU-3 4D9-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
0.56 ± 0.07
TOTAL FUSION
2.65 ± 0.68
NORMAL ISOCHRON
0.55 ± 0.09
INVERSE ISOCHRON
0.55 ± 0.09

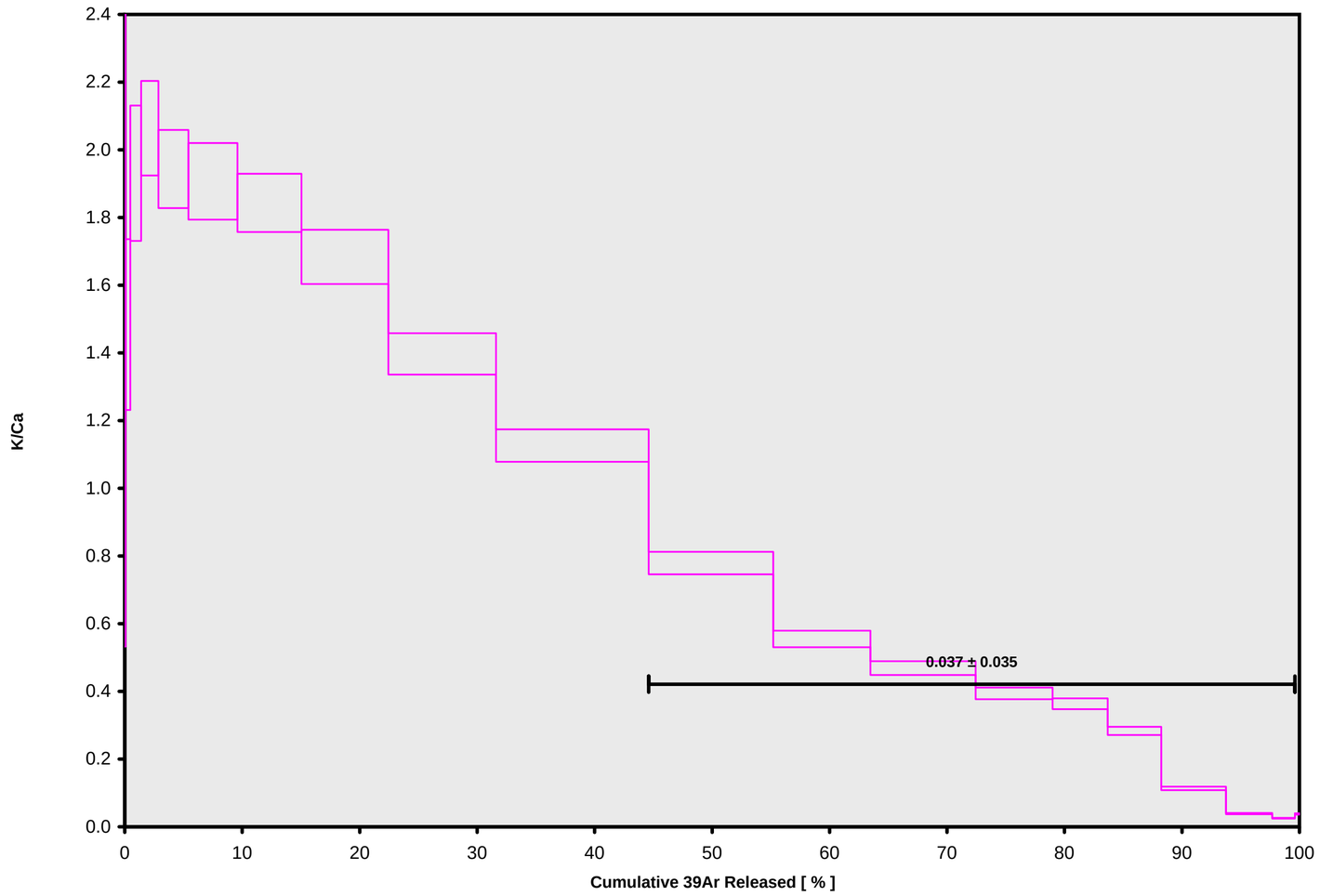
MSWD (PROBABILITY)
0.56 (81%)

Sample Info

Groundmass 210-300 µm
Ofu, Samoa
Jamie Russell

IRR = OSU4D06
J = 0.00154950 ± 0.00000418

07C1947.AGE >>> OFU-3 4D9-06 >>> SAMOA PROJECT



Ar-Ages in Ma

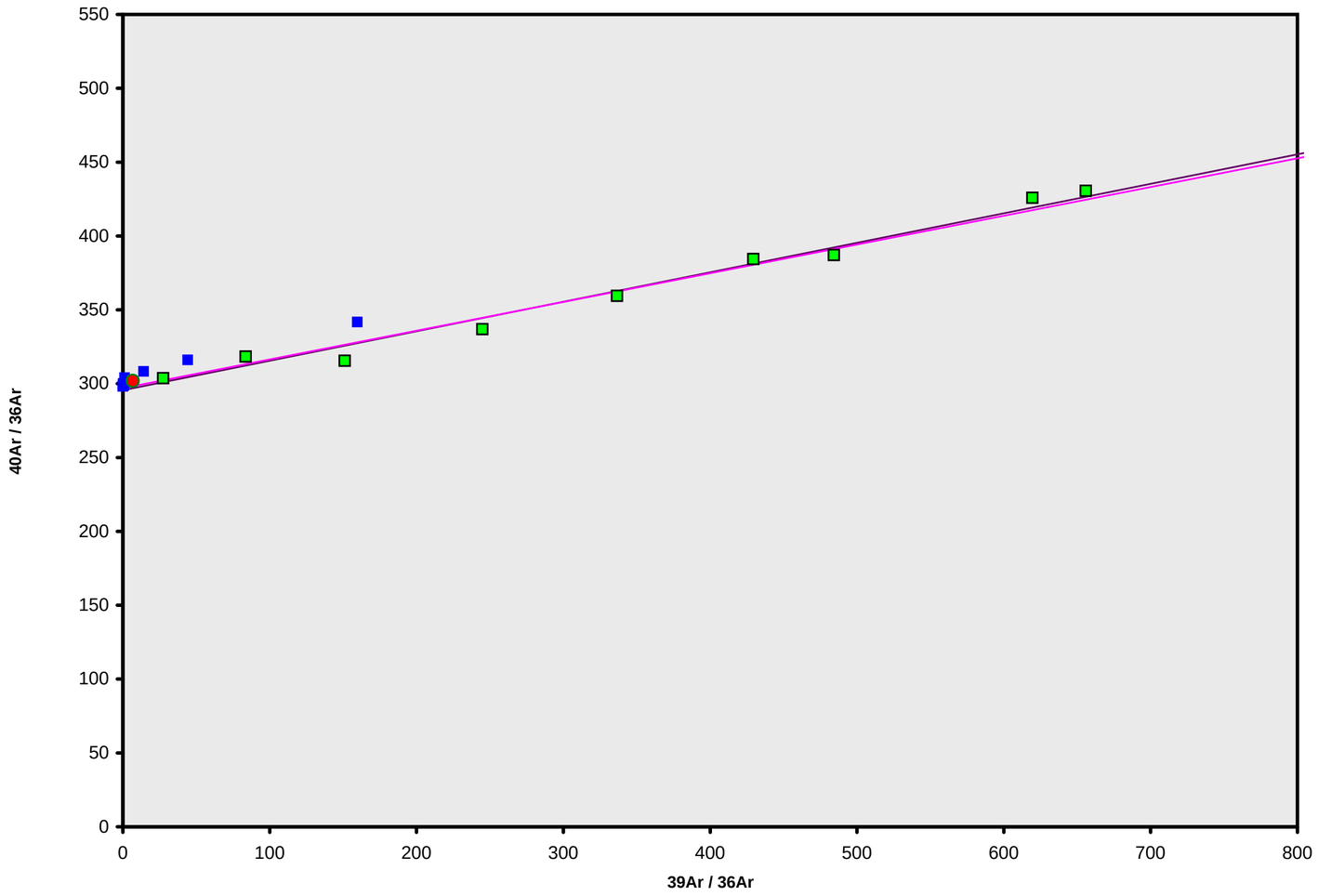
WEIGHTED PLATEAU
0.56 ± 0.07
TOTAL FUSION
2.65 ± 0.68
NORMAL ISOCHRON
0.55 ± 0.09
INVERSE ISOCHRON
0.55 ± 0.09

Sample Info

Groundmass 210-300 µm
Ofu, Samoa
Jamie Russell

IRR = OSU4D06
J = 0.00154950 ± 0.00000418

07C1947.AGE >>> OFU-3 4D9-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
0.56 ± 0.07
TOTAL FUSION
2.65 ± 0.68
NORMAL ISOCHRON
0.55 ± 0.09
INVERSE ISOCHRON
0.55 ± 0.09

MSWD (PROBABILITY)
0.63 (73%)

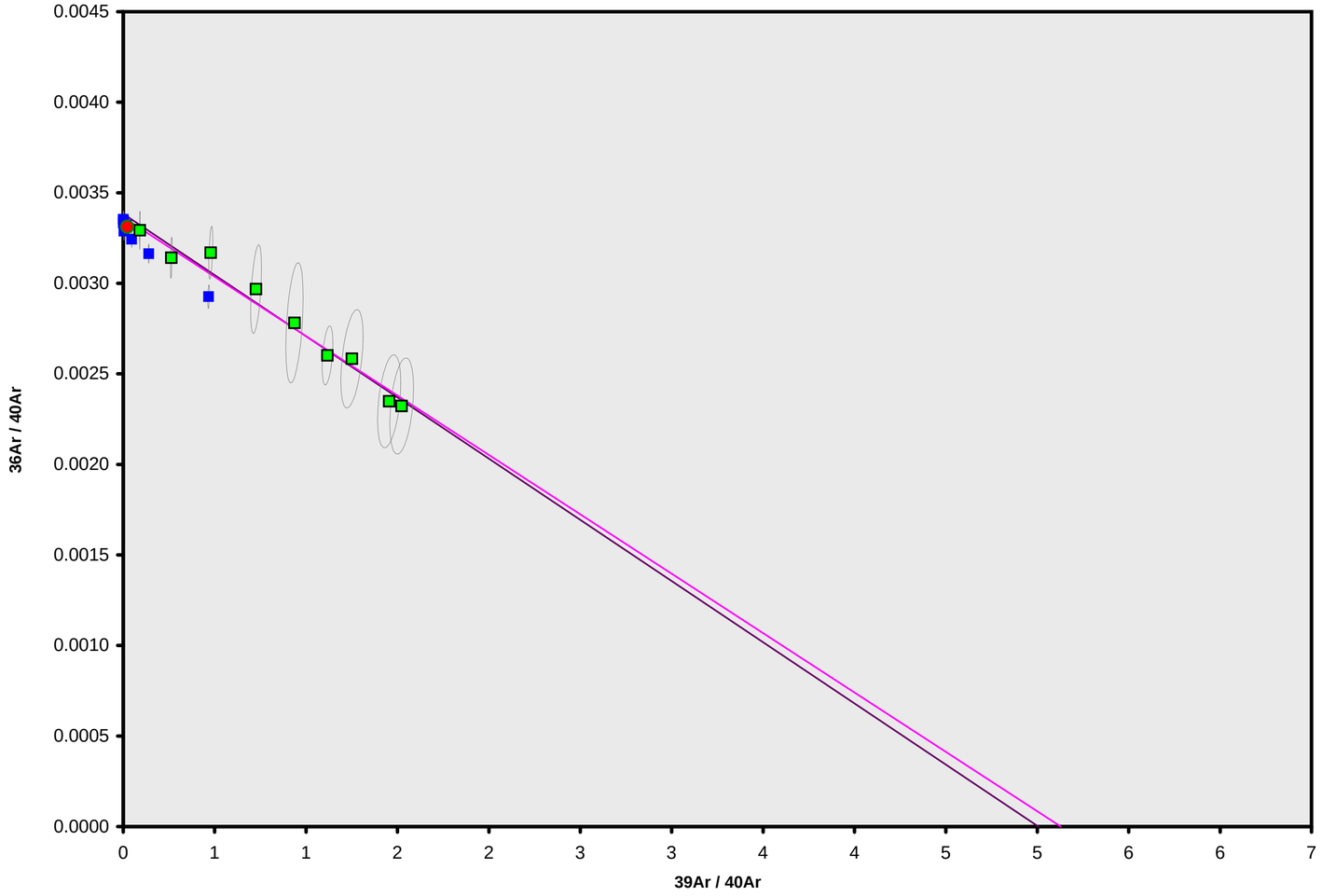
40AR/36AR INTERCEPT
297.0 ± 7.7

Sample Info

Groundmass 210-300 µm
Ofu, Samoa
Jamie Russell

IRR = OSU4D06
J = 0.00154950 ± 0.00000418

07C1947.AGE >>> OFU-3 4D9-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
0.56 ± 0.07
TOTAL FUSION
2.65 ± 0.68
NORMAL ISOCHRON
0.55 ± 0.09
INVERSE ISOCHRON
0.55 ± 0.09

MSWD (PROBABILITY)
0.61 (75%)

SPREADING FACTOR
27.9%

40AR/36AR INTERCEPT
297.2 ± 7.6

Sample Info

Groundmass 210-300 µm
Ofu, Samoa
Jamie Russell

IRR = OSU4D06
J = 0.00154950 ± 0.00000418