Incremental Heating			36Ar(a)	37Ar(ca)	38Ar(cl)	39Ar(k)	40Ar(r)	Age ± 2σ (Ma)	40Ar(r) (%)	39Ar(k) (%)	K/Ca ± 2σ
07C2033	0.00 W		0.003055	0.000706	0.000022	0.001033	0.024296	63.94 ± 35.64	2.62	0.08	0.629 ± 0.198
07C2034	0.01 W		0.002459	0.002597	0.000033	0.003251	0.025850	21.87 ± 12.98	3.44	0.25	0.538 ± 0.052
07C2035	0.02 W		0.001422	0.005090	0.000032	0.005765	0.035290	16.86 ± 3.94	7.75	0.44	0.487 ± 0.038
07C2036	0.06 W		0.000887	0.006839	0.000024	0.008021	0.039725	13.66 ± 1.96	13.16	0.61	0.504 ± 0.030
07C2038	0.09 W		0.000630	0.014543	0.000031	0.016098	0.086248	14.77 ± 1.14	31.67	1.22	0.476 ± 0.023
07C2039	0.18 W		0.000376	0.021696	0.000005	0.023740	0.106594	12.38 ± 0.61	48.98	1.80	0.471 ± 0.022
07C2040	0.27 W		0.000306	0.046226	0.000000	0.044313	0.192195	11.96 ± 0.23	67.96	3.36	0.412 ± 0.020
07C2042	0.29 W		0.000150	0.063602	0.000002	0.055963	0.235229	11.60 ± 0.28	84.09	4.24	0.378 ± 0.017
07C2043	0.38 W		0.000133	0.117818	0.000000	0.095825	0.396480	11.42 ± 0.16	90.94	7.26	0.350 ± 0.016
07C2044	0.47 W	✓	0.000102	0.165666	0.000000	0.131165	0.536303	11.28 ± 0.12	94.62	9.93	0.340 ± 0.016
07C2046	0.53 W	✓	0.000065	0.153443	0.000000	0.126844	0.515423	11.21 ± 0.12	96.37	9.61	0.355 ± 0.016
07C2047	0.71 W	✓	0.000063	0.162021	0.000000	0.135547	0.544272	11.08 ± 0.12	96.63	10.26	0.360 ± 0.016
07C2048	0.80 W	✓	0.000061	0.144321	0.000000	0.125738	0.501179	11.00 ± 0.13	96.50	9.52	0.375 ± 0.017
07C2050	0.97 W	✓	0.000057	0.139718	0.000000	0.121018	0.481851	10.99 ± 0.14	96.61	9.16	0.372 ± 0.016
07C2051	1.15 W		0.000071	0.127185	0.000000	0.113218	0.439590	10.71 ± 0.14	95.38	8.57	0.383 ± 0.016
07C2052	1.33 W		0.000092	0.122132	0.000016	0.098399	0.375377	10.53 ± 0.15	93.22	7.45	0.346 ± 0.015
07C2054	1.59 W		0.000094	0.116543	0.000017	0.082202	0.307075	10.31 ± 0.17	91.65	6.22	0.303 ± 0.013
07C2055	2.12 W		0.000142	0.164358	0.000032	0.066501	0.232849	9.67 ± 0.24	84.72	5.04	0.174 ± 0.008
07C2056	3.01 W		0.000172	0.232325	0.000068	0.040657	0.134350	9.12 ± 0.37	72.47	3.08	0.075 ± 0.003
07C2058	3.98 W		0.000205	0.172240	0.000037	0.016001	0.045336	7.82 ± 0.80	42.76	1.21	0.040 ± 0.002
07C2059	4.57 W		0.000412	0.158784	0.000027	0.009259	0.025232	7.53 ± 1.93	17.18	0.70	0.025 ± 0.001
		Σ	0.010955	2.137856	0.000345	1.320558	5.280743				

Information on Analysis

Sample = COM-2 4D11-06
Material = Groundmass 210-300µm
Location = Combe, Samoa
Analyst = Jamie Russell
Project = SAMOA
Mass Discrimination Law = LIN
Irradiation = OSU4D06
J = 0.00153060 ± 0.00000459
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	4.0308 ± 0.0421	11.12 ± 0.13	4.46	48.49	0.360 ± 0.012
Error Mean	± 1.04%	± 1.20%	0%	5	
	Minimal External Error	± 0.24	1.71	2σ Confidence Limit	
	Analytical Error	± 0.12	2.1130	Error Magnification	
Total Fusion Age	3.9989 ± 0.0246	11.03 ± 0.09		21	0.266 ± 0.011
	± 0.62%	± 0.86%			
	Minimal External Error	± 0.22			
	Analytical Error	± 0.07			

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
07C2033	0.00 W		0.3 ± 0.0	303.5 ± 4.6	0.2561
07C2034	0.01 W		1.3 ± 0.0	306.0 ± 6.5	0.7234
07C2035	0.02 W		4.1 ± 0.1	320.3 ± 6.3	0.8455
07C2036	0.06 W		9.0 ± 0.2	340.3 ± 7.4	0.9141
07C2038	0.09 W		25.6 ± 0.9	432.5 ± 15.3	0.9743
07C2039	0.18 W		63.2 ± 2.9	579.2 ± 26.7	0.9863
07C2040	0.27 W		144.6 ± 5.6	922.8 ± 36.0	0.9895
07C2042	0.29 W		372.4 ± 37.1	1860.6 ± 186.4	0.9911
07C2043	0.38 W		720.1 ± 74.1	3274.8 ± 337.9	0.9962
07C2044	0.47 W	✓	1280.3 ± 166.2	5530.3 ± 718.3	0.9985
07C2046	0.53 W	✓	1951.9 ± 385.9	8226.9 ± 1627.1	0.9993
07C2047	0.71 W	✓	2137.4 ± 463.7	8878.1 ± 1926.3	0.9995
07C2048	0.80 W	✓	2065.4 ± 512.5	8527.9 ± 2116.4	0.9996
07C2050	0.97 W	✓	2137.3 ± 627.5	8805.7 ± 2585.4	0.9997
07C2051	1.15 W		1584.4 ± 365.2	6447.2 ± 1486.3	0.9995
07C2052	1.33 W		1072.2 ± 166.6	4385.8 ± 682.2	0.9986
07C2054	1.59 W		872.5 ± 128.9	3554.7 ± 526.0	0.9979
07C2055	2.12 W		469.1 ± 54.7	1938.2 ± 226.9	0.9954
07C2056	3.01 W		235.8 ± 20.6	1074.6 ± 95.6	0.9821
07C2058	3.98 W		77.9 ± 4.7	516.3 ± 33.9	0.9009
07C2059	4.57 W		22.5 ± 1.1	356.8 ± 18.3	0.8989

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	613.7124 ± 258.3068	3.8527 ± 0.1472	10.63 ± 0.41	0.78
No Convergence	± 42.09%	± 3.82%	± 3.86%	51%
			Minimal External Error ± 0.45	
			Analytical Error ± 0.41	

Statistics				
	2σ Confidence Limit	2.63	Convergence	0.0000481094
	Error Magnification	1.0000	Number of Iterations	100
	Number of Data Points	5	Calculated Line	Weighted York-2

Inverse Isochron			39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
07C2033	0.00 W		0.001114 ± 0.000063	0.003295 ± 0.000050	0.0045
07C2034	0.01 W		0.004320 ± 0.000087	0.003268 ± 0.000069	0.0068
07C2035	0.02 W		0.012661 ± 0.000154	0.003122 ± 0.000061	0.0309
07C2036	0.06 W		0.026573 ± 0.000248	0.002939 ± 0.000064	0.0709
07C2038	0.09 W		0.059112 ± 0.000478	0.002312 ± 0.000082	0.0681
07C2039	0.18 W		0.109099 ± 0.000829	0.001726 ± 0.000080	0.1018
07C2040	0.27 W		0.156732 ± 0.000883	0.001084 ± 0.000042	0.0823
07C2042	0.29 W		0.200124 ± 0.002667	0.000537 ± 0.000054	0.1073
07C2043	0.38 W		0.219880 ± 0.001987	0.000305 ± 0.000032	0.0722
07C2044	0.47 W	✓	0.231504 ± 0.001657	0.000181 ± 0.000023	0.0364
07C2046	0.53 W	✓	0.237257 ± 0.001770	0.000122 ± 0.000024	0.0257
07C2047	0.71 W	✓	0.240753 ± 0.001722	0.000113 ± 0.000024	0.0213
07C2048	0.80 W	✓	0.242191 ± 0.001713	0.000117 ± 0.000029	0.0208
07C2050	0.97 W	✓	0.242724 ± 0.001785	0.000114 ± 0.000033	0.0173
07C2051	1.15 W		0.245748 ± 0.001836	0.000155 ± 0.000036	0.0248
07C2052	1.33 W		0.244472 ± 0.002045	0.000228 ± 0.000035	0.0420
07C2054	1.59 W		0.245440 ± 0.002337	0.000281 ± 0.000042	0.0547
07C2055	2.12 W		0.242054 ± 0.002724	0.000516 ± 0.000060	0.0864
07C2056	3.01 W		0.219402 ± 0.003675	0.000931 ± 0.000083	0.1750
07C2058	3.98 W		0.150943 ± 0.004307	0.001937 ± 0.000127	0.4079
07C2059	4.57 W		0.063033 ± 0.001424	0.002803 ± 0.000144	0.3595

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	617.9989 ± 275.2133	3.8552 ± 0.1485	10.64 ± 0.41	0.86
Clustered Data Points	± 44.53%	± 3.85%	± 3.89%	46%
			Minimal External Error ± 0.45	
			Analytical Error ± 0.41	

Statistics				
2σ Confidence Limit	2.63	Convergence	0.0011962013
Error Magnification	1.0000	Number of Iterations	3
Number of Data Points	5	Calculated Line	Weighted York-2
Spreading Factor	4.3%		

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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
07C2033	0.00 W		0.0030552	0.753	0.0007060	15.346	0.0006056	2.123	0.0010337	2.815	0.9270654	0.098	63.94 ± 35.64	2.62	0.08	0.629 ± 0.198
07C2034	0.01 W		0.0024598	1.057	0.0025972	4.271	0.0005321	1.460	0.0032529	1.002	0.7525085	0.085	21.87 ± 12.98	3.44	0.25	0.538 ± 0.052
07C2035	0.02 W		0.0014229	0.973	0.0050898	3.290	0.0003677	2.372	0.0057689	0.594	0.4553648	0.136	16.86 ± 3.94	7.75	0.44	0.487 ± 0.038
07C2036	0.06 W		0.0008889	1.064	0.0068390	2.118	0.0002876	4.023	0.0080262	0.427	0.3018705	0.189	13.66 ± 1.96	13.16	0.61	0.504 ± 0.030
07C2038	0.09 W		0.0006336	1.747	0.0145434	1.332	0.0003440	2.458	0.0161084	0.338	0.2723560	0.221	14.77 ± 1.14	31.67	1.22	0.476 ± 0.023
07C2039	0.18 W		0.0003815	2.249	0.0216959	1.113	0.0003632	2.308	0.0237557	0.235	0.2176431	0.298	12.38 ± 0.61	48.98	1.80	0.471 ± 0.022
07C2040	0.27 W		0.0003188	1.861	0.0462262	1.306	0.0005766	2.160	0.0443460	0.185	0.2828050	0.212	11.96 ± 0.23	67.96	3.36	0.412 ± 0.020
07C2042	0.29 W		0.0001674	4.464	0.0636020	0.968	0.0007096	1.359	0.0560079	0.293	0.2797331	0.598	11.60 ± 0.28	84.09	4.24	0.378 ± 0.017
07C2043	0.38 W		0.0001648	4.147	0.1178183	1.075	0.0011834	0.868	0.0959084	0.190	0.4359628	0.410	11.42 ± 0.16	90.94	7.26	0.350 ± 0.016
07C2044	0.47 W	✓	0.0001470	4.507	0.1656662	1.142	0.0015471	0.855	0.1312820	0.208	0.5667931	0.291	11.28 ± 0.12	94.62	9.93	0.340 ± 0.016
07C2046	0.53 W	✓	0.0001063	6.031	0.1534434	0.969	0.0015071	0.547	0.1269528	0.210	0.5348355	0.308	11.21 ± 0.12	96.37	9.61	0.355 ± 0.016
07C2047	0.71 W	✓	0.0001070	6.413	0.1620214	0.994	0.0016196	0.754	0.1356614	0.213	0.5632352	0.287	11.08 ± 0.12	96.63	10.26	0.360 ± 0.016
07C2048	0.80 W	✓	0.0000997	7.564	0.1443212	0.946	0.0015262	0.709	0.1258403	0.184	0.5193764	0.302	11.00 ± 0.13	96.50	9.52	0.375 ± 0.017
07C2050	0.97 W	✓	0.0000942	8.814	0.1397178	0.831	0.0014545	0.712	0.1211170	0.204	0.4987823	0.306	10.99 ± 0.14	96.61	9.16	0.372 ± 0.016
07C2051	1.15 W		0.0001057	7.788	0.1271852	0.692	0.0013599	0.901	0.1133077	0.181	0.4608925	0.327	10.71 ± 0.14	95.38	8.57	0.383 ± 0.016
07C2052	1.33 W		0.0001246	5.716	0.1221324	0.750	0.0012284	1.079	0.0984853	0.196	0.4026577	0.369	10.53 ± 0.15	93.22	7.45	0.346 ± 0.015
07C2054	1.59 W		0.0001256	5.537	0.1165428	0.772	0.0010343	0.918	0.0822848	0.184	0.3350527	0.439	10.31 ± 0.17	91.65	6.22	0.303 ± 0.013
07C2055	2.12 W		0.0001860	4.435	0.1643576	1.043	0.0008687	1.133	0.0666173	0.178	0.2748455	0.533	9.67 ± 0.24	84.72	5.04	0.174 ± 0.008
07C2056	3.01 W		0.0002350	3.202	0.2323253	0.727	0.0005996	1.466	0.0408220	0.222	0.1853765	0.807	9.12 ± 0.37	72.47	3.08	0.075 ± 0.003
07C2058	3.98 W		0.0002517	2.426	0.1722403	0.881	0.0002748	2.019	0.0161235	0.348	0.1060355	1.383	7.82 ± 0.80	42.76	1.21	0.040 ± 0.002
07C2059	4.57 W		0.0004544	2.134	0.1587842	0.761	0.0002209	2.473	0.0093718	0.476	0.1469085	1.021	7.53 ± 1.93	17.18	0.70	0.025 ± 0.001
		Σ	0.0115301	0.434	2.1378557	0.239	0.0182109	0.257	1.3220740	0.056	8.5201008	0.072				

Information on Analysis and Constants Used in Calculations

Sample = COM-2 4D11-06
Material = Groundmass 210-300µm
Location = Combe, Samoa
Analyst = Jamie Russell
Project = SAMOA
Mass Discrimination Law = LIN
Irradiation = OSU4D06
J = 0.00153060 ± 0.00000459
FCT-3 = 28.030 ± 0.003 Ma
IGSN = KOP000055
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 = 12°44.9'S - 177°22.1'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	4.0308 ± 0.0421	11.12 ± 0.13	4.46	48.49	0.360 ± 0.012
Error Mean	± 1.04%	± 1.20%	0%	5	
	Minimal External Error ± 0.24		1.71	2σ Confidence Limit	
	Analytical Error ± 0.12		2.1130	Error Magnification	
Total Fusion Age	3.9989 ± 0.0246	11.03 ± 0.09		21	0.266 ± 0.011
	± 0.62%	± 0.86%			
	Minimal External Error ± 0.22				
	Analytical Error ± 0.07				
Normal Isochron	3.8527 ± 0.1472	10.63 ± 0.41	0.78	48.49	
No Convergence	± 3.82%	± 3.86%	51%	5	
	Minimal External Error ± 0.45		2.63	2σ Confidence Limit	
	Analytical Error ± 0.41		1.0000	Error Magnification	
Inverse Isochron	3.8552 ± 0.1485	10.64 ± 0.41	0.86	48.49	
Clustered Data Points	± 3.85%	± 3.89%	46%	5	
	Minimal External Error ± 0.45		2.63	2σ Confidence Limit	
	Analytical Error ± 0.41		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
07C2033	0.00 W		0.003055	0.75	0.000000	0.00	0.000000	15.35	0.000000	61.76	0.000706	15.35	0.000571	0.75	0.000000	0.00	0.000013	2.82	0.000000	26.74	0.000022	61.99	0.001033	2.82	0.000001	15.46	0.024296	28.22	0.902768	0.75	0.000000	0.00	0.000002	25.06
07C2034	0.01 W		0.002459	1.06	0.000000	0.00	0.000001	4.29	0.000000	28.25	0.002597	4.27	0.000460	1.06	0.000000	0.00	0.000039	1.01	0.000000	22.31	0.000033	28.76	0.003251	1.00	0.000002	4.65	0.025850	29.83	0.726653	1.06	0.000000	0.00	0.000005	24.92
07C2035	0.02 W		0.001422	0.97	0.000000	0.00	0.000001	3.31	0.000000	28.93	0.005090	3.29	0.000266	0.97	0.000000	0.00	0.000070	0.60	0.000000	22.15	0.000032	29.43	0.005765	0.59	0.000004	3.76	0.035290	11.72	0.420065	0.97	0.000000	0.00	0.000010	24.91
07C2036	0.06 W		0.000887	1.07	0.000000	0.00	0.000002	2.15	0.000000	48.21	0.006839	2.12	0.000166	1.07	0.000000	0.00	0.000097	0.44	0.000000	22.00	0.000024	48.51	0.008021	0.43	0.000005	2.80	0.039725	7.18	0.262133	1.07	0.000000	0.00	0.000013	24.90
07C2038	0.09 W		0.000630	1.76	0.000000	0.00	0.000004	1.38	0.000000	28.79	0.014543	1.33	0.000118	1.76	0.000000	0.00	0.000195	0.35	0.000000	21.94	0.000031	29.29	0.016098	0.34	0.000010	2.26	0.086248	3.86	0.186082	1.76	0.000000	0.00	0.000027	24.90
07C2039	0.18 W		0.000376	2.28	0.000000	0.00	0.000006	1.17	0.000000	179.42	0.021696	1.11	0.000070	2.28	0.000000	0.00	0.000287	0.26	0.000001	21.93	0.000005	179.50	0.023740	0.24	0.000015	2.14	0.106594	2.46	0.111010	2.28	0.000000	0.00	0.000039	24.90
07C2040	0.27 W		0.000306	1.94	0.000000	0.00	0.000012	1.36	0.000000	0.00	0.046226	1.31	0.000057	1.94	0.000000	0.00	0.000537	0.21	0.000001	21.94	0.000000	0.00	0.044313	0.18	0.000033	2.25	0.192195	0.96	0.090537	1.94	0.000000	0.00	0.000073	24.90
07C2042	0.29 W		0.000150	4.97	0.000000	0.00	0.000017	1.04	0.000000	578.24	0.063602	0.97	0.000028	4.97	0.000000	0.00	0.000678	0.31	0.000002	21.92	0.000002	578.26	0.055963	0.29	0.000045	2.07	0.235229	1.18	0.044411	4.97	0.000000	0.00	0.000092	24.90
07C2043	0.38 W		0.000133	5.14	0.000000	0.00	0.000032	1.14	0.000000	0.00	0.117818	1.07	0.000025	5.14	0.000000	0.00	0.001160	0.21	0.000004	21.93	0.000000	0.00	0.095825	0.19	0.000084	2.12	0.396480	0.68	0.039324	5.14	0.000000	0.00	0.000158	24.90
07C2044	**0.47 W**	✓	**0.000102**	**6.49**	**0.000000**	**0.00**	**0.000045**	**1.20**	**0.000000**	**0.00**	**0.165666**	**1.14**	**0.000019**	**6.49**	**0.000000**	**0.00**	**0.001588**	**0.23**	**0.000005**	**21.93**	**0.000000**	**0.00**	**0.131165**	**0.21**	**0.000117**	**2.16**	**0.536303**	**0.48**	**0.030274**	**6.49**	**0.000000**	**0.00**	**0.000216**	**24.90**
07C2046	**0.53 W**	✓	**0.000065**	**9.88**	**0.000000**	**0.00**	**0.000041**	**1.04**	**0.000000**	**0.00**	**0.153443**	**0.97**	**0.000012**	**9.88**	**0.000000**	**0.00**	**0.001536**	**0.23**	**0.000005**	**21.92**	**0.000000**	**0.00**	**0.126844**	**0.21**	**0.000109**	**2.07**	**0.515423**	**0.49**	**0.019203**	**9.88**	**0.000000**	**0.00**	**0.000209**	**24.90**
07C2047	**0.71 W**	✓	**0.000063**	**10.84**	**0.000000**	**0.00**	**0.000044**	**1.06**	**0.000000**	**0.00**	**0.162021**	**0.99**	**0.000012**	**10.84**	**0.000000**	**0.00**	**0.001641**	**0.24**	**0.000005**	**21.92**	**0.000000**	**0.00**	**0.135547**	**0.21**	**0.000115**	**2.08**	**0.544272**	**0.48**	**0.018739**	**10.84**	**0.000000**	**0.00**	**0.000224**	**24.90**
07C2048	**0.80 W**	✓	**0.000061**	**12.40**	**0.000000**	**0.00**	**0.000039**	**1.02**	**0.000000**	**0.00**	**0.144321**	**0.95**	**0.000011**	**12.40**	**0.000000**	**0.00**	**0.001523**	**0.21**	**0.000005**	**21.92**	**0.000000**	**0.00**	**0.125738**	**0.18**	**0.000102**	**2.06**	**0.501179**	**0.54**	**0.017990**	**12.40**	**0.000000**	**0.00**	**0.000207**	**24.90**
07C2050	**0.97 W**	✓	**0.000057**	**14.68**	**0.000000**	**0.00**	**0.000038**	**0.91**	**0.000000**	**0.00**	**0.139718**	**0.83**	**0.000011**	**14.68**	**0.000000**	**0.00**	**0.001466**	**0.23**	**0.000004**	**21.92**	**0.000000**	**0.00**	**0.121018**	**0.20**	**0.000099**	**2.01**	**0.481851**	**0.60**	**0.016731**	**14.68**	**0.000000**	**0.00**	**0.000200**	**24.90**
07C2051	1.15 W		0.000071	11.52	0.000000	0.00	0.000034	0.79	0.000000	0.00	0.127185	0.69	0.000013	11.52	0.000000	0.00	0.001371	0.21	0.000004	21.91	0.000000	0.00	0.113218	0.18	0.000090	1.96	0.439590	0.65	0.021116	11.52	0.000000	0.00	0.000187	24.90
07C2052	1.33 W		0.000092	7.77	0.000000	0.00	0.000033	0.84	0.000000	86.41	0.122132	0.75	0.000017	7.77	0.000000	0.00	0.001192	0.22	0.000004	21.91	0.000016	86.58	0.098399	0.20	0.000087	1.98	0.375377	0.69	0.027119	7.77	0.000000	0.00	0.000162	24.90
07C2054	1.59 W		0.000094	7.39	0.000000	0.00	0.000031	0.86	0.000000	56.52	0.116543	0.77	0.000018	7.39	0.000000	0.00	0.000995	0.21	0.000004	21.91	0.000017	56.78	0.082202	0.18	0.000083	1.99	0.307075	0.82	0.027842	7.39	0.000000	0.00	0.000136	24.90
07C2055	2.12 W		0.000142	5.83	0.000000	0.00	0.000044	1.11	0.000000	32.60	0.164358	1.04	0.000026	5.83	0.000000	0.00	0.000805	0.20	0.000005	21.92	0.000032	33.04	0.066501	0.18	0.000117	2.11	0.232849	1.22	0.041887	5.83	0.000000	0.00	0.000110	24.90
07C2056	3.01 W		0.000172	4.37	0.000000	0.00	0.000062	0.82	0.000000	14.55	0.232325	0.73	0.000032	4.37	0.000000	0.00	0.000492	0.24	0.000007	21.91	0.000068	15.52	0.040657	0.22	0.000165	1.97	0.134350	2.00	0.050960	4.37	0.000000	0.00	0.000067	24.90
07C2058	3.98 W		0.000205	2.98	0.000000	0.00	0.000046	0.96	0.000000	16.60	0.172240	0.88	0.000038	2.98	0.000000	0.00	0.000194	0.37	0.000006	21.92	0.000037	17.46	0.016001	0.35	0.000122	2.03	0.045336	5.14	0.060673	2.98	0.000000	0.00	0.000026	24.90
07C2059	4.57 W		0.000412	2.36	0.000000	0.00	0.000043	0.85	0.000000	22.64	0.158784	0.76	0.000077	2.36	0.000000	0.00	0.000112	0.49	0.000005	21.91	0.000027	23.27	0.009259	0.48	0.000113	1.98	0.025232	12.83	0.121661	2.36	0.000000	0.00	0.000015	24.90
		Σ	0.010955	0.46	0.000000	0.00	0.000575	0.26	0.000000	10.48	2.137856	0.24	0.002047	0.46	0.000000	0.00	0.015992	0.06	0.000068	5.79	0.000345	10.63	1.320558	0.06	0.001516	0.54	5.280743	0.30	3.237179	0.46	0.000000	0.00	0.002179	6.88
		Σ							0.011530	0.43	2.137856	0.24									0.018453	0.21			1.322074	0.06							8.520101	0.26

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)
07C2033	0.00 W		23.515768	6.67018	0.927064	0.00091	896.873421	25.26566	0.683044	0.10657	2.955748	0.08614	143.076	16.92004647	1.00101093	3.059E-18
07C2034	0.01 W		7.951226	2.37339	0.752503	0.00064	231.333699	2.32639	0.798430	0.03503	0.756175	0.01101	143.094	16.92608180	1.00101106	2.483E-18
07C2035	0.02 W		6.121066	0.71853	0.455355	0.00062	78.933942	0.48070	0.882283	0.02950	0.246652	0.00281	143.113	16.93235153	1.00101119	1.503E-18
07C2036	0.06 W		4.952355	0.35637	0.301857	0.00057	37.610538	0.17550	0.852088	0.01841	0.110753	0.00127	143.130	16.93815892	1.00101132	9.962E-19
07C2038	0.09 W		5.357646	0.20737	0.272329	0.00060	16.907752	0.06829	0.902851	0.01241	0.039336	0.00070	143.166	16.95024465	1.00101157	8.988E-19
07C2039	0.18 W		4.489974	0.11075	0.217604	0.00065	9.161714	0.03481	0.913291	0.01039	0.016060	0.00036	143.184	16.95629075	1.00101170	7.182E-19
07C2040	0.27 W		4.337186	0.04259	0.282732	0.00060	6.377232	0.01795	1.042398	0.01375	0.007189	0.00013	143.202	16.96233901	1.00101183	9.333E-19
07C2042	0.29 W		4.203315	0.05103	0.279641	0.00167	4.994527	0.03326	1.135589	0.01148	0.002989	0.00013	143.611	17.09993480	1.00101472	9.231E-19
07C2043	0.38 W		4.137552	0.02924	0.435805	0.00179	4.545616	0.02053	1.228446	0.01341	0.001718	0.00007	143.629	17.10603429	1.00101484	1.439E-18
07C2044	0.47 W	✓	4.088777	0.02133	0.566577	0.00165	4.317371	0.01544	1.261911	0.01465	0.001120	0.00005	143.647	17.11190125	1.00101497	1.870E-18
07C2046	0.53 W	✓	4.063439	0.02157	0.534626	0.00165	4.212868	0.01570	1.208664	0.01198	0.000837	0.00005	143.683	17.12434584	1.00101523	1.765E-18
07C2047	0.71 W	✓	4.015391	0.02098	0.563012	0.00162	4.151772	0.01483	1.194307	0.01214	0.000789	0.00005	143.701	17.13045404	1.00101535	1.859E-18
07C2048	0.80 W	✓	3.985901	0.02290	0.519169	0.00157	4.127265	0.01458	1.146860	0.01105	0.000792	0.00006	143.719	17.13656442	1.00101548	1.714E-18
07C2050	0.97 W	✓	3.981651	0.02523	0.498583	0.00152	4.118186	0.01513	1.153577	0.00987	0.000778	0.00007	143.756	17.14879172	1.00101574	1.646E-18
07C2051	1.15 W		3.882703	0.02623	0.460706	0.00151	4.067619	0.01518	1.122476	0.00803	0.000933	0.00007	143.774	17.15514395	1.00101587	1.521E-18
07C2052	1.33 W		3.814854	0.02725	0.402495	0.00149	4.088507	0.01709	1.240108	0.00961	0.001265	0.00007	143.792	17.16126314	1.00101600	1.329E-18
07C2054	1.59 W		3.735612	0.03151	0.334917	0.00147	4.071867	0.01937	1.416335	0.01124	0.001526	0.00008	143.828	17.17350806	1.00101625	1.106E-18
07C2055	2.12 W		3.501445	0.04328	0.274736	0.00147	4.125738	0.02320	2.467191	0.02609	0.002792	0.00012	143.847	17.17963380	1.00101638	9.070E-19
07C2056	3.01 W		3.304445	0.06642	0.185309	0.00150	4.541096	0.03801	5.691180	0.04329	0.005756	0.00018	143.865	17.18576172	1.00101651	6.117E-19
07C2058	3.98 W		2.833253	0.14584	0.106009	0.00147	6.576474	0.09376	10.682591	0.10122	0.015609	0.00038	143.901	17.19802412	1.00101676	3.499E-19
07C2059	4.57 W		2.725092	0.34983	0.146893	0.00150	15.675643	0.17666	16.942831	0.15214	0.048490	0.00106	143.919	17.20415861	1.00101689	4.848E-19

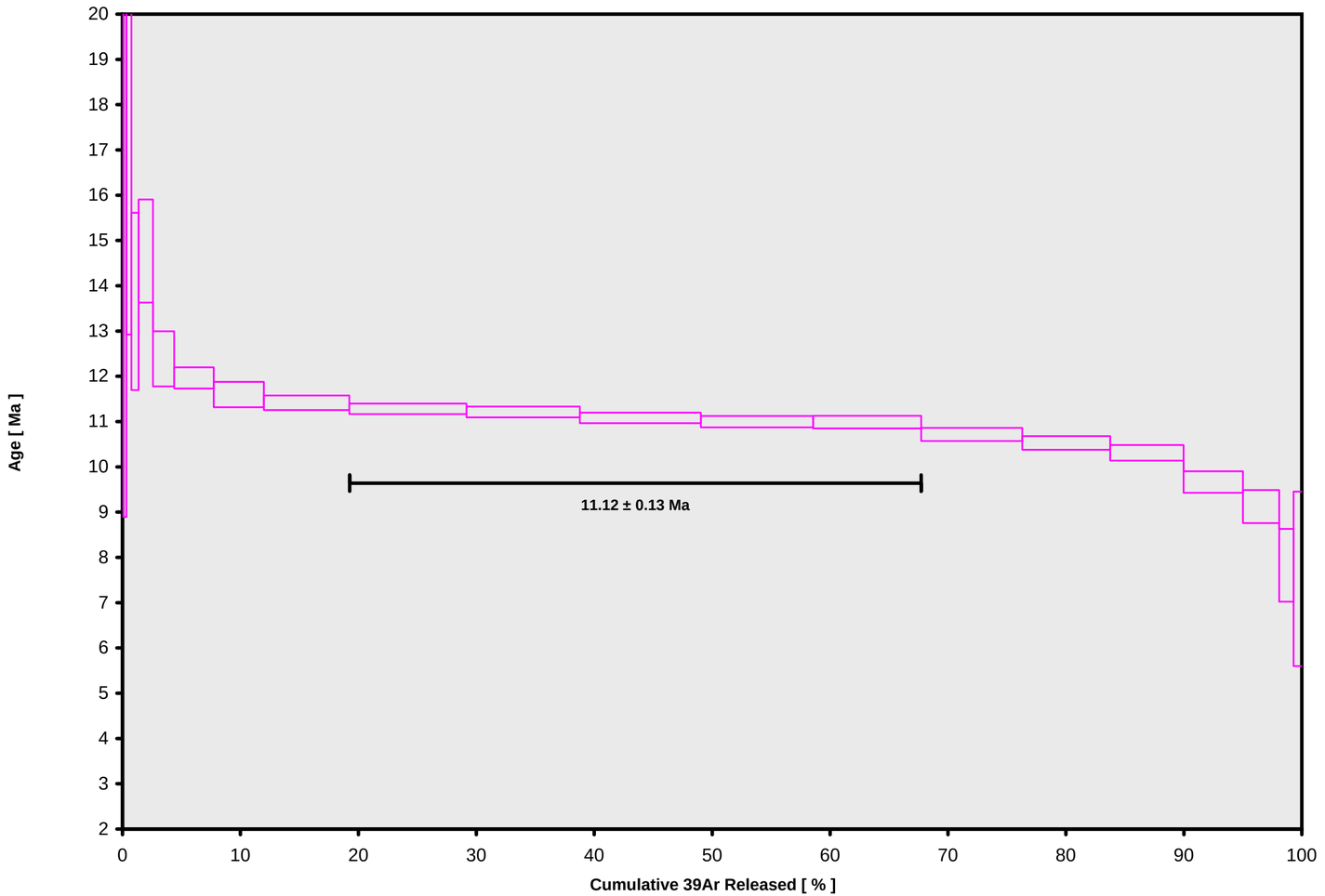
Procedure Blanks		36Ar	1σ	37Ar	1σ	38Ar	1σ	39Ar	1σ	40Ar	1σ
07C2033	0.00 W	0.000045	0.000004	0.000022	0.000005	0.000002	0.000006	0.000072	0.000028	0.012420	0.000543
07C2034	0.01 W	0.000044	0.000004	0.000023	0.000005	0.000002	0.000006	0.000072	0.000029	0.011946	0.000547
07C2035	0.02 W	0.000042	0.000004	0.000023	0.000005	0.000003	0.000006	0.000072	0.000029	0.011083	0.000551
07C2036	0.06 W	0.000038	0.000004	0.000022	0.000005	0.000004	0.000006	0.000073	0.000029	0.009880	0.000556
07C2038	0.09 W	0.000021	0.000005	0.000020	0.000005	0.000012	0.000006	0.000080	0.000030	0.005828	0.000566
07C2039	0.18 W	0.000008	0.000005	0.000017	0.000005	0.000018	0.000006	0.000086	0.000030	0.002849	0.000572
07C2040	0.27 W	0.000008	0.000005	0.000014	0.000005	0.000027	0.000006	0.000094	0.000030	0.002849	0.000572
07C2042	0.29 W	0.000028	0.000005	0.000018	0.000005	0.000006	0.000005	0.000046	0.000026	0.006884	0.001595
07C2043	0.38 W	0.000031	0.000005	0.000019	0.000005	0.000005	0.000005	0.000062	0.000026	0.006715	0.001576
07C2044	0.47 W	0.000032	0.000005	0.000020	0.000005	0.000004	0.000005	0.000073	0.000026	0.006728	0.001560
07C2046	0.53 W	0.000034	0.000005	0.000021	0.000005	0.000002	0.000005	0.000086	0.000025	0.007181	0.001528
07C2047	0.71 W	0.000034	0.000005	0.000021	0.000005	0.000002	0.000005	0.000088	0.000025	0.007547	0.001514
07C2048	0.80 W	0.000034	0.000005	0.000020	0.000005	0.000002	0.000005	0.000088	0.000025	0.007968	0.001502
07C2050	0.97 W	0.000033	0.000005	0.000020	0.000005	0.000002	0.000005	0.000084	0.000024	0.008867	0.001482
07C2051	1.15 W	0.000032	0.000005	0.000019	0.000005	0.000002	0.000005	0.000082	0.000024	0.009317	0.001474
07C2052	1.33 W	0.000032	0.000005	0.000019	0.000005	0.000002	0.000005	0.000079	0.000024	0.009713	0.001468
07C2054	1.59 W	0.000031	0.000005	0.000019	0.000005	0.000004	0.000005	0.000075	0.000024	0.010335	0.001461
07C2055	2.12 W	0.000030	0.000005	0.000019	0.000005	0.000004	0.000005	0.000073	0.000024	0.010537	0.001459
07C2056	3.01 W	0.000030	0.000005	0.000019	0.000005	0.000005	0.000005	0.000073	0.000024	0.010654	0.001459
07C2058	3.98 W	0.000029	0.000005	0.000019	0.000005	0.000006	0.000005	0.000075	0.000024	0.010618	0.001464
07C2059	4.57 W	0.000029	0.000005	0.000020	0.000005	0.000007	0.000005	0.000077	0.000024	0.010463	0.001469

Intercept Values		36Ar	1σ	r2		37Ar	1σ	r2		38Ar	1σ	r2		39Ar	1σ	r2		40Ar	1σ	r2	
07C2033	0.00 W	0.003091	0.000012	0.8759	LIN #	0.000063	0.000004	0.9226	LIN #	0.000602	0.000011	0.0956	LIN #	0.001089	0.000006	0.9998	LIN #	0.923055	0.000716	0.9963	EXP #
07C2034	0.01 W	0.002497	0.000020	0.6980	LIN #	0.000175	0.000004	0.8358	LIN #	0.000529	0.000004	0.0570	LIN #	0.003276	0.000015	0.9986	LIN #	0.751158	0.000330	0.9986	EXP #
07C2035	0.02 W	0.001461	0.000010	0.7234	LIN #	0.000321	0.000008	0.1975	LIN #	0.000367	0.000006	0.0658	LIN #	0.005756	0.000016	0.9955	LIN #	0.458425	0.000279	0.9960	LIN #
07C2036	0.06 W	0.000924	0.000006	0.8545	LIN #	0.000423	0.000006	0.0449	LIN #	0.000289	0.000010	0.0660	LIN #	0.007981	0.000013	0.9910	EXP #	0.306358	0.000131	0.9980	EXP #
07C2038	0.09 W	0.000653	0.000009	0.0044	LIN #	0.000872	0.000009	0.4943	LIN # 1	0.000352	0.000005	0.0504	LIN #	0.015956	0.000037	0.5309	LIN #	0.273453	0.000199	0.9926	EXP #
07C2039	0.18 W	0.000389	0.000007	0.0028	LIN #	0.001289	0.000011	0.4909	LIN #	0.000377	0.000005	0.1782	LIN #	0.023500	0.000028	0.9839	EXP #	0.216743	0.000303	0.9731	EXP #
07C2040	0.27 W	0.000326	0.000003	0.5038	LIN #	0.002723	0.000031	0.7069	LIN # 1	0.000597	0.000010	0.0086	LIN #	0.043804	0.000028	0.9973	LIN # 9	0.280797	0.000180	0.9951	EXP #
07C2042	0.29 W	0.000195	0.000005	0.0764	LIN #	0.003718	0.000027	0.7137	LIN #	0.000709	0.000008	0.2172	LIN #	0.055285	0.000133	0.9706	LIN #	0.281910	0.000497	0.9689	EXP #
07C2043	0.38 W	0.000195	0.000005	0.6423	LIN #	0.006869	0.000060	0.7940	LIN # 1	0.001177	0.000008	0.7424	LIN #	0.094645	0.000093	0.9945	LIN #	0.435363	0.000828	0.9625	LIN #
07C2044	0.47 W	0.000179	0.000004	0.6727	LIN #	0.009648	0.000092	0.8245	LIN # 1	0.001536	0.000011	0.0728	LIN #	0.129528	0.000171	0.9902	EXP #	0.563990	0.000522	0.9930	EXP # 6
07C2046	0.53 W	0.000140	0.000004	0.8126	LIN #	0.008931	0.000066	0.6494	LIN #	0.001495	0.000005	0.7931	LIN #	0.125259	0.000169	0.9916	LIN #	0.532957	0.000601	0.9900	LIN #
07C2047	0.71 W	0.000140	0.000005	0.5139	LIN #	0.009425	0.000072	0.8699	LIN # 1	0.001606	0.000010	0.7161	LIN #	0.133834	0.000186	0.9907	LIN #	0.561186	0.000558	0.9927	LIN #
07C2048	0.80 W	0.000133	0.000006	0.3696	LIN #	0.008393	0.000059	0.8194	LIN # 1	0.001513	0.000008	0.8543	LIN # 1	0.124140	0.000111	0.9956	LIN #	0.518427	0.000436	0.9929	LIN #
07C2050	0.97 W	0.000127	0.000007	0.4865	LIN #	0.008120	0.000044	0.9111	LIN # 1	0.001443	0.000008	0.6288	LIN #	0.119480	0.000150	0.9911	LIN #	0.499065	0.000348	0.9964	EXP # 4
07C2051	1.15 W	0.000137	0.000007	0.2105	LIN #	0.007389	0.000021	0.9679	EXP # 1	0.001349	0.000010	0.6435	LIN # 6	0.111768	0.000091	0.9975	EXP # 1	0.462213	0.000299	0.9962	EXP #
07C2052	1.33 W	0.000156	0.000005	0.0153	LIN #	0.007091	0.000029	0.9596	LIN # 1	0.001219	0.000012	0.5547	LIN #	0.097117	0.000107	0.9931	LIN #	0.405199	0.000230	0.9962	EXP #
07C2054	1.59 W	0.000155	0.000005	0.2379	LIN #	0.006762	0.000030	0.9657	LIN # 1	0.001027	0.000008	0.3372	LIN #	0.081150	0.000071	0.9960	LIN #	0.339381	0.000160	0.9980	LIN # 5
07C2055	2.12 W	0.000215	0.000007	0.0107	LIN #	0.009527	0.000079	0.7931	LIN # 1	0.000864	0.000008	0.0500	LIN #	0.065724	0.000047	0.9968	EXP #	0.280474	0.000135	0.9962	EXP #
07C2056	3.01 W	0.000264	0.000006	0.2194	LIN #	0.013456	0.000050	0.9464	LIN # 1	0.000599	0.000007	0.1587	LIN #	0.040306	0.000058	0.9814	LIN # 1	0.192678	0.000324	0.7783	LIN # 1
07C2058	3.98 W	0.000280	0.000004	0.0163	LIN #	0.009974	0.000062	0.9165	LIN # 1	0.000279	0.000003	0.1134	LIN #	0.015965	0.000043	0.8798	LIN # 1	0.114659	0.000074	0.0001	LIN # 6
07C2059	4.57 W	0.000482	0.000008	0.1901	LIN #	0.009194	0.000039	0.9564	LIN #	0.000226	0.000003	0.3062	LIN #	0.009313	0.000034	0.3750	LIN # 1	0.154680	0.000302	0.9543	LIN # 1

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
07C2033	0.00 W	COM-2 4D11-06	Groundmass 210-300µm	Combe, Samoa	Jamie Russell	0	28.03	0.01	0.0015306	0.3	1.00378	0.16	1.0178	3.300E-18	13	MAY	2007	17	49	001	OSU4D06	Samoa	07C2033	01	FCT-3
07C2034	0.01 W	COM-2 4D11-06	Groundmass 210-300µm	Combe, Samoa	Jamie Russell	0.01	28.03	0.01	0.0015306	0.3	1.00378	0.16	1.0177	3.300E-18	13	MAY	2007	18	15	001	OSU4D06	Samoa	07C2033	01	FCT-3
07C2035	0.02 W	COM-2 4D11-06	Groundmass 210-300µm	Combe, Samoa	Jamie Russell	0.02	28.03	0.01	0.0015306	0.3	1.00378	0.16	1.0175	3.300E-18	13	MAY	2007	18	42	001	OSU4D06	Samoa	07C2033	01	FCT-3
07C2036	0.06 W	COM-2 4D11-06	Groundmass 210-300µm	Combe, Samoa	Jamie Russell	0.06	28.03	0.01	0.0015306	0.3	1.00378	0.16	1.0176	3.300E-18	13	MAY	2007	19	07	001	OSU4D06	Samoa	07C2033	01	FCT-3
07C2038	0.09 W	COM-2 4D11-06	Groundmass 210-300µm	Combe, Samoa	Jamie Russell	0.09	28.03	0.01	0.0015306	0.3	1.00378	0.16	1.0173	3.300E-18	13	MAY	2007	19	59	001	OSU4D06	Samoa	07C2033	01	FCT-3
07C2039	0.18 W	COM-2 4D11-06	Groundmass 210-300µm	Combe, Samoa	Jamie Russell	0.18	28.03	0.01	0.0015306	0.3	1.00378	0.16	1.0173	3.300E-18	13	MAY	2007	20	25	001	OSU4D06	Samoa	07C2033	01	FCT-3
07C2040	0.27 W	COM-2 4D11-06	Groundmass 210-300µm	Combe, Samoa	Jamie Russell	0.27	28.03	0.01	0.0015306	0.3	1.00378	0.16	1.0173	3.300E-18	13	MAY	2007	20	51	001	OSU4D06	Samoa	07C2033	01	FCT-3
07C2042	0.29 W	COM-2 4D11-06	Groundmass 210-300µm	Combe, Samoa	Jamie Russell	0.29	28.03	0.01	0.0015306	0.3	1.00378	0.16	1.0167	3.300E-18	14	MAY	2007	06	40	001	OSU4D06	Samoa	07C2033	01	FCT-3
07C2043	0.38 W	COM-2 4D11-06	Groundmass 210-300µm	Combe, Samoa	Jamie Russell	0.38	28.03	0.01	0.0015306	0.3	1.00378	0.16	1.0168	3.300E-18	14	MAY	2007	07	06	001	OSU4D06	Samoa	07C2033	01	FCT-3
07C2044	0.47 W	COM-2 4D11-06	Groundmass 210-300µm	Combe, Samoa	Jamie Russell	0.47	28.03	0.01	0.0015306	0.3	1.00378	0.16	1.0169	3.300E-18	14	MAY	2007	07	31	001	OSU4D06	Samoa	07C2033	01	FCT-3
07C2046	0.53 W	COM-2 4D11-06	Groundmass 210-300µm	Combe, Samoa	Jamie Russell	0.53	28.03	0.01	0.0015306	0.3	1.00378	0.16	1.017	3.300E-18	14	MAY	2007	08	24	001	OSU4D06	Samoa	07C2033	01	FCT-3
07C2047	0.71 W	COM-2 4D11-06	Groundmass 210-300µm	Combe, Samoa	Jamie Russell	0.71	28.03	0.01	0.0015306	0.3	1.00378	0.16	1.0171	3.300E-18	14	MAY	2007	08	50	001	OSU4D06	Samoa	07C2033	01	FCT-3
07C2048	0.80 W	COM-2 4D11-06	Groundmass 210-300µm	Combe, Samoa	Jamie Russell	0.8	28.03	0.01	0.0015306	0.3	1.00378	0.16	1.0172	3.300E-18	14	MAY	2007	09	16	001	OSU4D06	Samoa	07C2033	01	FCT-3
07C2050	0.97 W	COM-2 4D11-06	Groundmass 210-300µm	Combe, Samoa	Jamie Russell	0.97	28.03	0.01	0.0015306	0.3	1.00378	0.16	1.0172	3.300E-18	14	MAY	2007	10	08	001	OSU4D06	Samoa	07C2033	01	FCT-3
07C2051	1.15 W	COM-2 4D11-06	Groundmass 210-300µm	Combe, Samoa	Jamie Russell	1.15	28.03	0.01	0.0015306	0.3	1.00378	0.16	1.0173	3.300E-18	14	MAY	2007	10	35	001	OSU4D06	Samoa	07C2033	01	FCT-3
07C2052	1.33 W	COM-2 4D11-06	Groundmass 210-300µm	Combe, Samoa	Jamie Russell	1.33	28.03	0.01	0.0015306	0.3	1.00378	0.16	1.0177	3.300E-18	14	MAY	2007	11	01	001	OSU4D06	Samoa	07C2033	01	FCT-3
07C2054	1.59 W	COM-2 4D11-06	Groundmass 210-300µm	Combe, Samoa	Jamie Russell	1.59	28.03	0.01	0.0015306	0.3	1.00378	0.16	1.0177	3.300E-18	14	MAY	2007	11	53	001	OSU4D06	Samoa	07C2033	01	FCT-3
07C2055	2.12 W	COM-2 4D11-06	Groundmass 210-300µm	Combe, Samoa	Jamie Russell	2.12	28.03	0.01	0.0015306	0.3	1.00378	0.16	1.0175	3.300E-18	14	MAY	2007	12	19	001	OSU4D06	Samoa	07C2033	01	FCT-3
07C2056	3.01 W	COM-2 4D11-06	Groundmass 210-300µm	Combe, Samoa	Jamie Russell	3.01	28.03	0.01	0.0015306	0.3	1.00378	0.16	1.0174	3.300E-18	14	MAY	2007	12	45	001	OSU4D06	Samoa	07C2033	01	FCT-3
07C2058	3.98 W	COM-2 4D11-06	Groundmass 210-300µm	Combe, Samoa	Jamie Russell	3.98	28.03	0.01	0.0015306	0.3	1.00378	0.16	1.0174	3.300E-18	14	MAY	2007	13	37	001	OSU4D06	Samoa	07C2033	01	FCT-3
07C2059	4.57 W	COM-2 4D11-06	Groundmass 210-300µm	Combe, Samoa	Jamie Russell	4.57	28.03	0.01	0.0015306	0.3	1.00378	0.16	1.0174	3.300E-18	14	MAY	2007	14	03	001	OSU4D06	Samoa	07C2033	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
07C2033	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
07C2034	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
07C2035	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
07C2036	0.06 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
07C2038	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
07C2039	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
07C2040	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
07C2042	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
07C2043	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
07C2044	0.47 W	295.5	0	0.018	35	0.1869	0	1.493	3	0.000709	1.83	0.000032	21.9	0.000269	0.37	0.00165	24.9	0.01211	0.1	0	0	0.43	2	0	0	0	0
07C2046	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
07C2047	0.71 W	295.5	0	0.018	35	0.1869	0	1.493	3	0.000709	1.83	0.000032	21.9	0.000269	0.37	0.00165	24.9	0.01211	0.1	0	0	0.43	2	0	0	0	0
07C2048	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
07C2050	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
07C2051	1.15 W	295.5	0	0.018	35	0.1869	0	1.493	3	0.000709	1.83	0.000032	21.9	0.000269	0.37	0.00165	24.9	0.01211	0.1	0	0	0.43	2	0	0	0	0
07C2052	1.33 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
07C2054	1.59 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
07C2055	2.12 W	295.5	0	0.018	35	0.1869	0	1.493	3	0.000709	1.83	0.000032	21.9	0.000269	0.37	0.00165	24.9	0.01211	0.1	0	0	0.43	2	0	0	0	0
07C2056	3.01 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
07C2058	3.98 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
07C2059	4.57 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

07C2033.AGE >>> COM-2 4D11-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
11.12 ± 0.13
TOTAL FUSION
11.03 ± 0.09
NORMAL ISOCHRON
10.63 ± 0.41
INVERSE ISOCHRON
10.64 ± 0.41

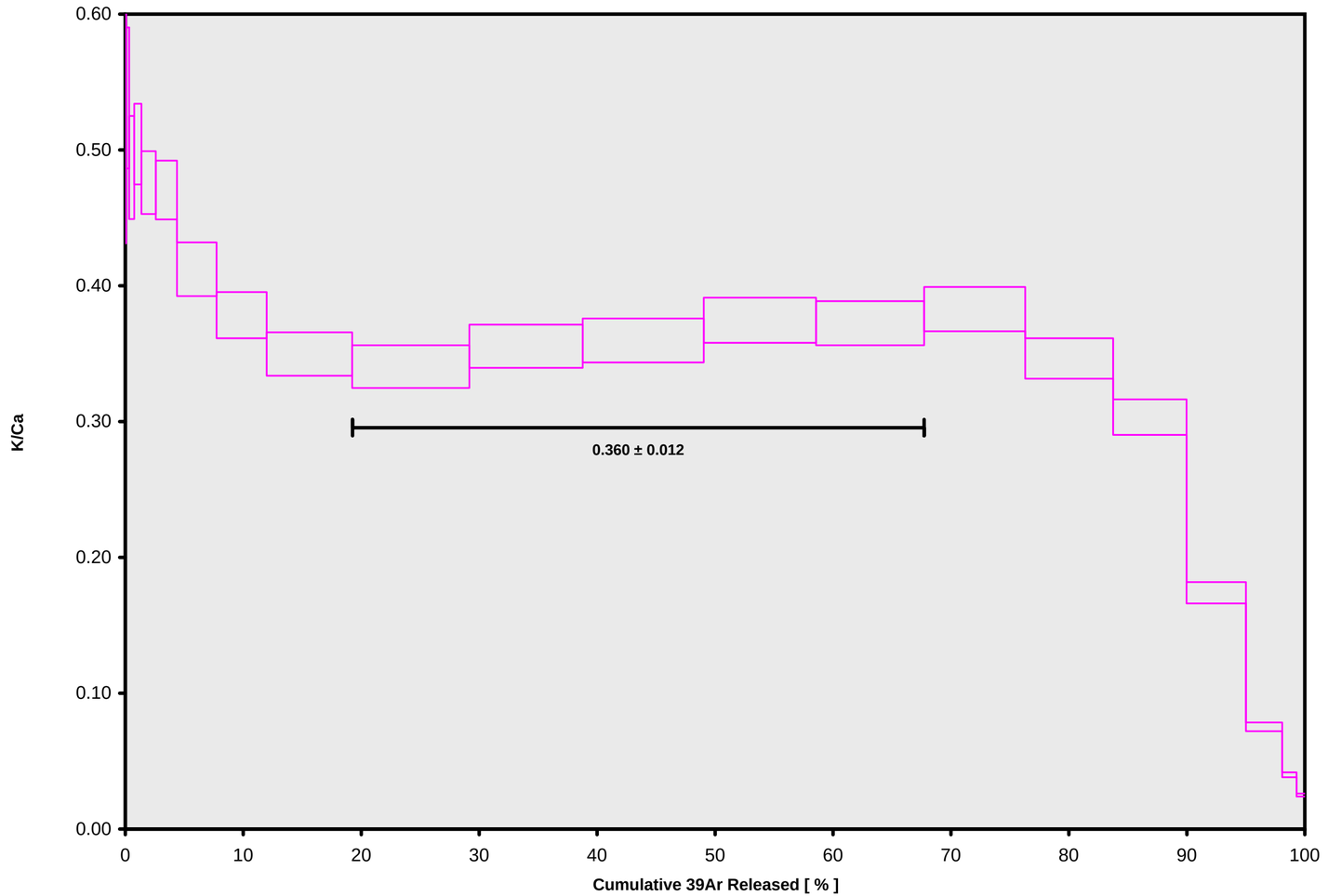
MSWD (PROBABILITY)
4.46 (0%)

Sample Info

Groundmass 210-300µm
Combe, Samoa
Jamie Russell

IRR = OSU4D06
J = 0.00153060 ± 0.00000459

07C2033.AGE >>> COM-2 4D11-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
11.12 ± 0.13
TOTAL FUSION
11.03 ± 0.09
NORMAL ISOCHRON
10.63 ± 0.41
INVERSE ISOCHRON
10.64 ± 0.41

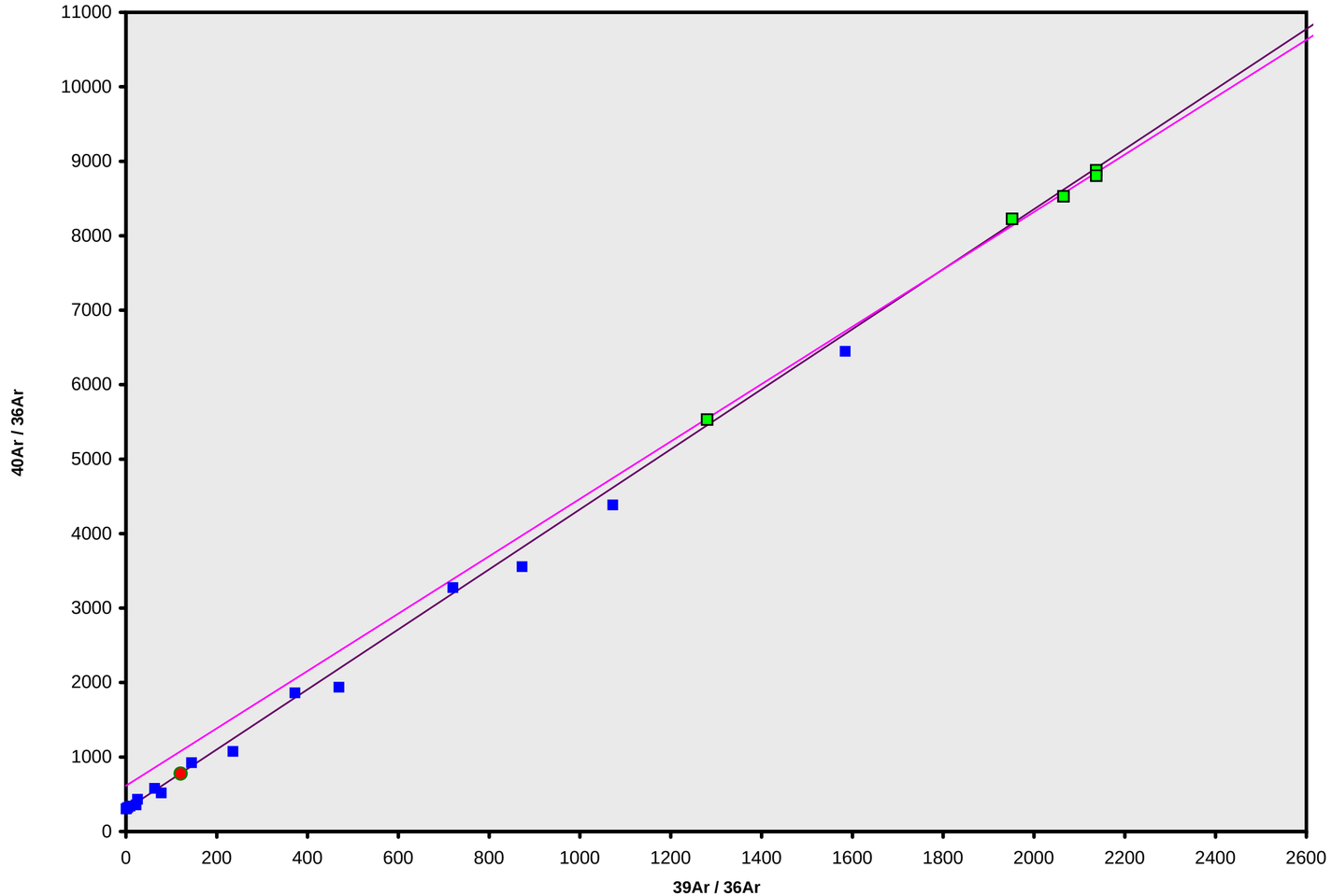
Sample Info

Groundmass 210-300µm
Combe, Samoa
Jamie Russell

IRR = OSU4D06
J = 0.00153060 ± 0.00000459

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

07C2033.AGE >>> COM-2 4D11-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
11.12 ± 0.13
TOTAL FUSION
11.03 ± 0.09
NORMAL ISOCHRON
10.63 ± 0.41
INVERSE ISOCHRON
10.64 ± 0.41

MSWD (PROBABILITY)
0.78 (51%)

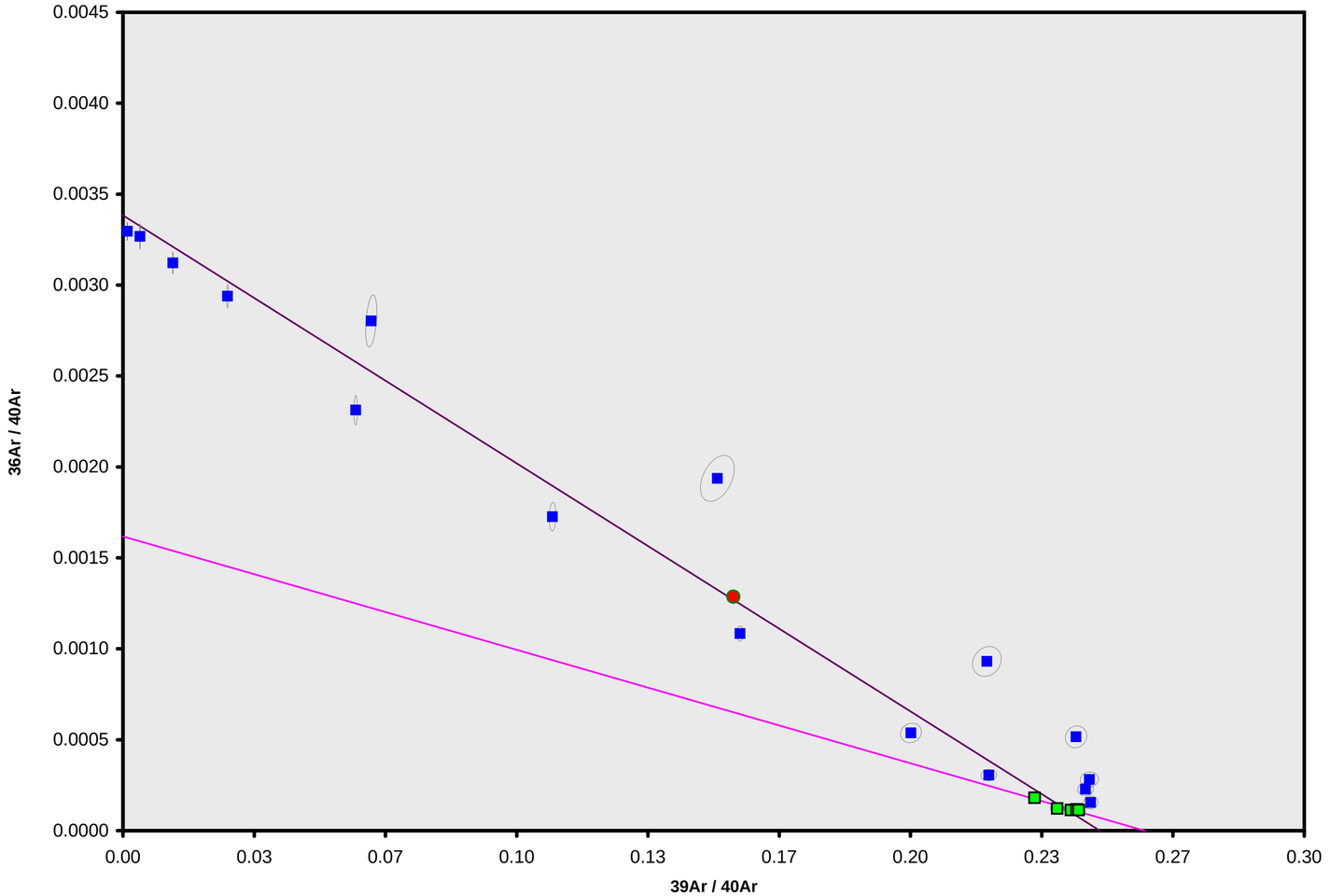
40AR/36AR INTERCEPT
613.7 ± 258.3

Sample Info

Groundmass 210-300µm
Combe, Samoa
Jamie Russell

IRR = OSU4D06
J = 0.00153060 ± 0.00000459

07C2033.AGE >>> COM-2 4D11-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
11.12 ± 0.13
TOTAL FUSION
11.03 ± 0.09
NORMAL ISOCHRON
10.63 ± 0.41
INVERSE ISOCHRON
10.64 ± 0.41

MSWD (PROBABILITY)
0.86 (46%)

SPREADING FACTOR
4.3%

40AR/36AR INTERCEPT
618.0 ± 275.2

Sample Info

Groundmass 210-300µm
Combe, Samoa
Jamie Russell

IRR = OSU4D06
J = 0.00153060 ± 0.00000459