Incremental Heating			36Ar(a)	37Ar(ca)	38Ar(cl)	39Ar(k)	40Ar(r)	Age ± 2σ (Ma)	40Ar(r) (%)	39Ar(k) (%)	K/Ca ± 2σ
07C2061	0.00 W		0.010024	0.000370	0.000026	0.001021	0.032741	87.16 ± 109.14	1.09	0.17	1.187 ± 0.842
07C2062	0.01 W		0.012079	0.001050	0.000068	0.002251	0.057495	69.75 ± 56.96	1.59	0.36	0.922 ± 0.202
07C2063	0.02 W		0.010454	0.002313	0.000111	0.003937	0.042323	29.69 ± 32.33	1.35	0.64	0.732 ± 0.083
07C2064	0.06 W		0.006735	0.003156	0.000097	0.005084	0.050962	27.70 ± 16.68	2.50	0.82	0.693 ± 0.069
07C2066	0.09 W		0.003505	0.005351	0.000070	0.006506	0.015233	6.51 ± 7.91	1.45	1.05	0.523 ± 0.037
07C2067	0.12 W		0.001809	0.009621	0.000069	0.010912	0.030665	7.81 ± 2.40	5.43	1.77	0.488 ± 0.025
07C2068	0.21 W		0.000798	0.017213	0.000051	0.017627	0.016576	2.62 ± 1.26	6.56	2.85	0.440 ± 0.022
07C2069	0.27 W	✓	0.000234	0.020423	0.000004	0.020839	0.008843	1.18 ± 0.88	11.35	3.37	0.439 ± 0.021
07C2071	0.32 W	✓	0.000108	0.025835	0.000015	0.024726	0.013038	1.47 ± 0.71	28.99	4.00	0.412 ± 0.018
07C2072	0.38 W	✓	0.000099	0.037617	0.000004	0.033148	0.005202	0.44 ± 0.43	15.10	5.37	0.379 ± 0.016
07C2073	0.44 W	✓	0.000075	0.038371	0.000001	0.033377	0.004076	0.34 ± 0.43	15.54	5.40	0.374 ± 0.016
07C2075	0.53 W	✓	0.000081	0.080896	0.000004	0.063491	0.018926	0.83 ± 0.18	44.01	10.28	0.337 ± 0.016
07C2076	0.62 W	✓	0.000056	0.072075	0.000018	0.052097	0.015463	0.83 ± 0.24	48.11	8.43	0.311 ± 0.014
07C2077	0.71 W	✓	0.000042	0.062896	0.000005	0.044981	0.014956	0.93 ± 0.35	54.56	7.28	0.308 ± 0.015
07C2078	0.80 W	✓	0.000049	0.064775	0.000007	0.043352	0.011241	0.72 ± 0.26	43.45	7.02	0.288 ± 0.013
07C2080	0.97 W	✓	0.000046	0.063505	0.000026	0.042179	0.011594	0.77 ± 0.24	45.86	6.83	0.286 ± 0.012
07C2081	1.15 W	✓	0.000044	0.061046	0.000022	0.037617	0.010073	0.75 ± 0.36	43.27	6.09	0.265 ± 0.012
07C2082	1.33 W	✓	0.000046	0.071568	0.000040	0.038097	0.011037	0.81 ± 0.32	44.74	6.17	0.229 ± 0.010
07C2084	1.68 W	✓	0.000068	0.142808	0.000058	0.043212	0.010293	0.66 ± 0.33	33.77	7.00	0.130 ± 0.006
07C2085	2.03 W	✓	0.000056	0.153670	0.000044	0.027388	0.006332	0.64 ± 0.44	27.70	4.43	0.077 ± 0.003
07C2086	2.48 W		0.000086	0.352812	0.000073	0.026569	0.002680	0.28 ± 0.38	9.56	4.30	0.032 ± 0.001
07C2088	3.15 W		0.000088	0.542083	0.000063	0.020320	0.002853	0.39 ± 0.63	9.84	3.29	0.016 ± 0.001
07C2089	4.07 W		0.000093	0.629300	0.000044	0.011995	0.002591	0.60 ± 1.13	10.44	1.94	0.008 ± 0.000
07C2091	4.61 W		0.000061	0.517345	0.000022	0.006917	0.000455	0.18 ± 1.74	2.45	1.12	0.006 ± 0.000
		Σ	0.046736	2.976099	0.000934	0.617644	0.390468				

Information on Analysis

Sample = MUL-2 4D10-06
Material = Groundmass 210-300µm
Location = Muli, Samoa
Analyst = Jamie Russell
Project = SAMOA
Mass Discrimination Law = LIN
Irradiation = OSU4D06
J = 0.00154000 ± 0.00000447
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	0.2755 ± 0.0329	0.77 ± 0.09	1.12	81.68	0.159 ± 0.062
	± 11.94%	± 11.95%	34%	13	
	Minimal External Error	± 0.09	1.41	2σ Confidence Limit	
	Analytical Error	± 0.09	1.0580	Error Magnification	
Total Fusion Age	0.6322 ± 0.1454	1.76 ± 0.40		24	0.089 ± 0.004
	± 22.99%	± 22.99%			
	Minimal External Error	± 0.41			
	Analytical Error	± 0.40			

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
07C2061	0.00 W		0.1 ± 0.0	298.8 ± 4.2	0.2505
07C2062	0.01 W		0.2 ± 0.0	300.3 ± 4.0	0.4144
07C2063	0.02 W		0.4 ± 0.0	299.5 ± 4.5	0.6429
07C2064	0.06 W		0.8 ± 0.0	303.1 ± 4.7	0.7598
07C2066	0.09 W		1.9 ± 0.0	299.8 ± 5.4	0.8422
07C2067	0.12 W		6.0 ± 0.1	312.5 ± 5.5	0.8667
07C2068	0.21 W		22.1 ± 0.7	316.3 ± 10.6	0.8817
07C2069	0.27 W	✓	89.2 ± 7.4	333.3 ± 30.9	0.8892
07C2071	0.32 W	✓	229.1 ± 38.5	416.3 ± 76.5	0.9136
07C2072	0.38 W	✓	335.6 ± 44.2	348.2 ± 57.3	0.7988
07C2073	0.44 W	✓	446.2 ± 78.5	350.0 ± 76.9	0.8001
07C2075	0.53 W	✓	782.7 ± 135.1	528.8 ± 91.5	0.9966
07C2076	0.62 W	✓	927.7 ± 245.8	570.9 ± 151.6	0.9976
07C2077	0.71 W	✓	1073.5 ± 494.3	652.4 ± 300.7	0.9990
07C2078	0.80 W	✓	879.8 ± 239.2	523.6 ± 142.8	0.9970
07C2080	0.97 W	✓	915.2 ± 245.9	547.1 ± 147.4	0.9969
07C2081	1.15 W	✓	845.7 ± 311.6	522.0 ± 192.6	0.9981
07C2082	1.33 W	✓	829.7 ± 262.0	535.9 ± 169.6	0.9975
07C2084	1.68 W	✓	634.8 ± 162.2	446.7 ± 114.4	0.9977
07C2085	2.03 W	✓	491.0 ± 129.0	409.0 ± 107.9	0.9963
07C2086	2.48 W		310.3 ± 43.8	326.8 ± 46.5	0.9899
07C2088	3.15 W		230.0 ± 40.3	327.8 ± 57.8	0.9935
07C2089	4.07 W		129.4 ± 22.8	267.5 ± 47.4	0.9922
07C2091	4.61 W		113.1 ± 26.9	302.9 ± 72.5	0.9920

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	303.4683 ± 31.5633 ± 10.40%	0.2519 ± 0.0604 ± 23.98%	0.70 ± 0.17 ± 23.98%	1.19 29%
		Minimal External Error	± 0.17	
		Analytical Error	± 0.17	

Statistics				
	2σ Confidence Limit	1.85	Convergence	0.0000018551
	Error Magnification	1.0915	Number of Iterations	16
	Number of Data Points	13	Calculated Line	Weighted York-2

Inverse Isochron			39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
07C2061	0.00 W		0.000341 ± 0.000019	0.003347 ± 0.000047	0.0015
07C2062	0.01 W		0.000621 ± 0.000018	0.003330 ± 0.000045	0.0077
07C2063	0.02 W		0.001257 ± 0.000022	0.003338 ± 0.000050	0.0105
07C2064	0.06 W		0.002491 ± 0.000032	0.003300 ± 0.000051	0.0444
07C2066	0.09 W		0.006191 ± 0.000068	0.003335 ± 0.000060	0.0605
07C2067	0.12 W		0.019307 ± 0.000175	0.003200 ± 0.000056	0.2508
07C2068	0.21 W		0.069804 ± 0.001111	0.003162 ± 0.000106	0.3571
07C2069	0.27 W	✓	0.267575 ± 0.011367	0.003000 ± 0.000279	0.4458
07C2071	0.32 W	✓	0.550292 ± 0.041130	0.002402 ± 0.000442	0.4041
07C2072	0.38 W	✓	0.963968 ± 0.095388	0.002872 ± 0.000472	0.5996
07C2073	0.44 W	✓	1.274783 ± 0.167916	0.002857 ± 0.000627	0.5983
07C2075	0.53 W	✓	1.480106 ± 0.021091	0.001891 ± 0.000327	0.0733
07C2076	0.62 W	✓	1.625116 ± 0.029716	0.001752 ± 0.000465	0.0649
07C2077	0.71 W	✓	1.645336 ± 0.033683	0.001533 ± 0.000706	0.0421
07C2078	0.80 W	✓	1.680214 ± 0.035608	0.001910 ± 0.000521	0.0752
07C2080	0.97 W	✓	1.672914 ± 0.035409	0.001828 ± 0.000493	0.0757
07C2081	1.15 W	✓	1.620293 ± 0.036675	0.001916 ± 0.000707	0.0594
07C2082	1.33 W	✓	1.548323 ± 0.034880	0.001866 ± 0.000591	0.0689
07C2084	1.68 W	✓	1.420981 ± 0.024736	0.002239 ± 0.000573	0.0635
07C2085	2.03 W	✓	1.200419 ± 0.027275	0.002445 ± 0.000645	0.0841
07C2086	2.48 W		0.949385 ± 0.019185	0.003060 ± 0.000435	0.1335
07C2088	3.15 W		0.701750 ± 0.014060	0.003051 ± 0.000538	0.1091
07C2089	4.07 W		0.483719 ± 0.010696	0.003738 ± 0.000662	0.1175
07C2091	4.61 W		0.373184 ± 0.011267	0.003301 ± 0.000790	0.1190

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	309.9762 ± 30.0373 ± 9.69%	0.2567 ± 0.0508 ± 19.81%	0.71 ± 0.14 ± 19.82%	1.07 38%
		Minimal External Error	± 0.14	
		Analytical Error	± 0.14	

Statistics				
	2σ Confidence Limit	1.85	Convergence	0.0004237662
	Error Magnification	1.0348	Number of Iterations	4
	Number of Data Points	13	Calculated Line	Weighted York-2
	Spreading Factor	36.3%		

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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
07C2061	0.00 W		0.0100246	0.706	0.0003697	35.284	0.0019123	0.622	0.0010214	2.720	2.9949681	0.054	87.16 ± 109.14	1.09	0.17	1.187 ± 0.842
07C2062	0.01 W		0.0120796	0.664	0.0010502	10.657	0.0023533	0.551	0.0022522	1.444	3.6269306	0.087	69.75 ± 56.96	1.59	0.36	0.922 ± 0.202
07C2063	0.02 W		0.0104543	0.747	0.0023127	5.213	0.0021128	0.891	0.0039389	0.881	3.1313837	0.084	29.69 ± 32.33	1.35	0.64	0.732 ± 0.083
07C2064	0.06 W		0.0067354	0.762	0.0031558	4.550	0.0014174	0.904	0.0050867	0.623	2.0410288	0.149	27.70 ± 16.68	2.50	0.82	0.693 ± 0.069
07C2066	0.09 W		0.0035063	0.878	0.0053515	2.930	0.0008038	1.112	0.0065096	0.524	1.0509289	0.173	6.51 ± 7.91	1.45	1.05	0.523 ± 0.037
07C2067	0.12 W		0.0018114	0.816	0.0096213	1.647	0.0005397	1.395	0.0109185	0.325	0.5651828	0.315	7.81 ± 2.40	5.43	1.77	0.488 ± 0.025
07C2068	0.21 W		0.0008031	1.516	0.0172131	1.429	0.0004138	1.934	0.0176394	0.397	0.2525531	0.689	2.62 ± 1.26	6.56	2.85	0.440 ± 0.022
07C2069	0.27 W	✓	0.0002391	4.047	0.0204228	1.305	0.0003005	2.540	0.0208538	0.341	0.0779163	2.096	1.18 ± 0.88	11.35	3.37	0.439 ± 0.021
07C2071	0.32 W	✓	0.0001149	7.893	0.0258354	0.868	0.0003350	2.432	0.0247444	0.298	0.0449733	3.722	1.47 ± 0.71	28.99	4.00	0.412 ± 0.018
07C2072	0.38 W	✓	0.0001089	5.965	0.0376166	0.750	0.0004252	2.282	0.0331748	0.282	0.0344419	4.932	0.44 ± 0.43	15.10	5.37	0.379 ± 0.016
07C2073	0.44 W	✓	0.0000851	7.725	0.0383710	0.841	0.0004201	2.202	0.0334041	0.327	0.0262375	6.564	0.34 ± 0.43	15.54	5.40	0.374 ± 0.016
07C2075	0.53 W	✓	0.0001029	6.794	0.0808962	1.293	0.0007829	1.538	0.0635485	0.236	0.0430011	0.668	0.83 ± 0.18	44.01	10.28	0.337 ± 0.016
07C2076	0.62 W	✓	0.0000755	9.842	0.0720749	1.123	0.0006618	1.813	0.0521481	0.218	0.0321434	0.883	0.83 ± 0.24	48.11	8.43	0.311 ± 0.014
07C2077	0.71 W	✓	0.0000588	16.396	0.0628964	1.293	0.0005594	2.488	0.0450257	0.236	0.0274128	0.991	0.93 ± 0.35	54.56	7.28	0.308 ± 0.015
07C2078	0.80 W	✓	0.0000667	10.039	0.0647747	0.867	0.0005437	2.254	0.0433981	0.190	0.0258731	1.037	0.72 ± 0.26	43.45	7.02	0.288 ± 0.013
07C2080	0.97 W	✓	0.0000632	9.798	0.0635052	0.751	0.0005471	2.263	0.0422237	0.202	0.0252823	1.034	0.77 ± 0.24	45.86	6.83	0.286 ± 0.012
07C2081	1.15 W	✓	0.0000609	13.449	0.0610455	0.931	0.0004877	2.737	0.0376606	0.200	0.0232785	1.109	0.75 ± 0.36	43.27	6.09	0.265 ± 0.012
07C2082	1.33 W	✓	0.0000652	11.121	0.0715675	0.719	0.0005123	2.550	0.0381475	0.199	0.0246680	1.104	0.81 ± 0.32	44.74	6.17	0.229 ± 0.010
07C2084	1.68 W	✓	0.0001065	8.154	0.1428078	1.128	0.0005985	2.022	0.0433128	0.224	0.0304809	0.837	0.66 ± 0.33	33.77	7.00	0.130 ± 0.006
07C2085	2.03 W	✓	0.0000971	7.537	0.1536704	0.842	0.0003914	3.256	0.0274974	0.176	0.0228610	1.119	0.64 ± 0.44	27.70	4.43	0.077 ± 0.003
07C2086	2.48 W		0.0001805	3.315	0.3528121	0.729	0.0004216	2.845	0.0268193	0.244	0.0280294	0.977	0.28 ± 0.38	9.56	4.30	0.032 ± 0.001
07C2088	3.15 W		0.0002342	3.234	0.5420831	1.048	0.0003431	3.714	0.0207039	0.191	0.0289891	0.980	0.39 ± 0.63	9.84	3.29	0.016 ± 0.001
07C2089	4.07 W		0.0002620	3.038	0.6292997	0.977	0.0002268	5.314	0.0124411	0.246	0.0248170	1.072	0.60 ± 1.13	10.44	1.94	0.008 ± 0.000
07C2091	4.61 W		0.0002003	3.560	0.5173453	0.941	0.0001336	10.019	0.0072837	0.323	0.0185462	1.466	0.18 ± 1.74	2.45	1.12	0.006 ± 0.000
		Σ	0.0475364	0.315	2.9760989	0.350	0.0172439	0.339	0.6197540	0.059	14.2019277	0.050				

Information on Analysis and Constants Used in Calculations

Sample = MUL-2 4D10-06
Material = Groundmass 210-300µm
Location = Muli, Samoa
Analyst = Jamie Russell
Project = SAMOA
Mass Discrimination Law = LIN
Irradiation = OSU4D06
J = 0.00154000 ± 0.00000447
FCT-3 = 28.030 ± 0.003 Ma
IGSN = KOP000035
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°01.1'S - 170°11.3'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
No 36Cl Correction

Results	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (%,n)	K/Ca ± 2σ
Age Plateau	0.2755 ± 0.0329 ± 11.94%	0.77 ± 0.09 ± 11.95%	1.12 34%	81.68 13	0.159 ± 0.062
	Minimal External Error ± 0.09		1.41	2σ Confidence Limit	
	Analytical Error ± 0.09		1.0580	Error Magnification	
Total Fusion Age	0.6322 ± 0.1454 ± 22.99%	1.76 ± 0.40 ± 22.99%		24	0.089 ± 0.004
	Minimal External Error ± 0.41				
	Analytical Error ± 0.40				
Normal Isochron	0.2519 ± 0.0604 ± 23.98%	0.70 ± 0.17 ± 23.98%	1.19 29%	81.68 13	
	Minimal External Error ± 0.17		1.85	2σ Confidence Limit	
	Analytical Error ± 0.17		1.0915	Error Magnification	
Inverse Isochron	0.2567 ± 0.0508 ± 19.81%	0.71 ± 0.14 ± 19.82%	1.07 38%	81.68 13	
	Minimal External Error ± 0.14		1.85	2σ Confidence Limit	
	Analytical Error ± 0.14		1.0348	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
07C2061	0.00 W		0.010024	0.71	0.000000	0.00	0.000000	35.29	0.000000	0.00	0.000370	35.28	0.001874	0.71	0.000000	0.00	0.000012	2.72	0.000000	41.53	0.000026	67.38	0.001021	2.72	0.000000	35.33	0.032741	64.07	2.962225	0.71	0.000000	0.00	0.000002	25.05
07C2062	0.01 W		0.012079	0.66	0.000000	0.00	0.000000	10.66	0.000000	0.00	0.001050	10.66	0.002258	0.66	0.000000	0.00	0.000027	1.45	0.000000	24.36	0.000068	28.98	0.002251	1.44	0.000001	10.81	0.057495	41.60	3.569432	0.66	0.000000	0.00	0.000004	24.94
07C2063	0.02 W		0.010454	0.75	0.000000	0.00	0.000001	5.23	0.000000	0.00	0.002313	5.21	0.001954	0.75	0.000000	0.00	0.000048	0.89	0.000000	22.51	0.000111	21.41	0.003937	0.88	0.000002	5.52	0.042323	54.89	3.089054	0.75	0.000000	0.00	0.000006	24.92
07C2064	0.06 W		0.006735	0.76	0.000000	0.00	0.000001	4.57	0.000000	0.00	0.003156	4.55	0.001259	0.76	0.000000	0.00	0.000062	0.63	0.000000	22.37	0.000097	16.50	0.005084	0.62	0.000002	4.90	0.050962	30.33	1.990059	0.76	0.000000	0.00	0.000008	24.91
07C2066	0.09 W		0.003505	0.88	0.000000	0.00	0.000001	2.95	0.000000	0.00	0.005351	2.93	0.000655	0.88	0.000000	0.00	0.000079	0.53	0.000000	22.10	0.000070	15.24	0.006506	0.52	0.000004	3.45	0.015233	60.87	1.035685	0.88	0.000000	0.00	0.000011	24.91
07C2067	0.12 W		0.001809	0.82	0.000000	0.00	0.000003	1.69	0.000000	0.00	0.009621	1.65	0.000338	0.82	0.000000	0.00	0.000132	0.34	0.000000	21.96	0.000069	11.61	0.010912	0.33	0.000007	2.46	0.030665	15.38	0.534500	0.82	0.000000	0.00	0.000018	24.90
07C2068	0.21 W		0.000798	1.52	0.000000	0.00	0.000005	1.48	0.000000	0.00	0.017213	1.43	0.000149	1.52	0.000000	0.00	0.000213	0.41	0.000001	21.95	0.000051	16.56	0.017627	0.40	0.000012	2.32	0.016576	24.11	0.235948	1.52	0.000000	0.00	0.000029	24.90
07C2069	0.27 W	✓	0.000234	4.14	0.000000	0.00	0.000005	1.36	0.000000	0.00	0.020423	1.31	0.000044	4.14	0.000000	0.00	0.000252	0.36	0.000001	21.94	0.000004	206.81	0.020839	0.34	0.000014	2.25	0.008843	37.24	0.069039	4.14	0.000000	0.00	0.000034	24.90
07C2071	0.32 W	✓	0.000108	8.40	0.000000	0.00	0.000007	0.94	0.000000	0.00	0.025835	0.87	0.000020	8.40	0.000000	0.00	0.000299	0.31	0.000001	21.92	0.000015	57.40	0.024726	0.30	0.000018	2.03	0.013038	24.23	0.031894	8.40	0.000000	0.00	0.000041	24.90
07C2072	0.38 W	✓	0.000099	6.58	0.000000	0.00	0.000010	0.84	0.000000	0.00	0.037617	0.75	0.000018	6.58	0.000000	0.00	0.000401	0.30	0.000001	21.91	0.000004	239.48	0.033148	0.28	0.000027	1.98	0.005202	49.27	0.029186	6.58	0.000000	0.00	0.000055	24.90
07C2073	0.44 W	✓	0.000075	8.79	0.000000	0.00	0.000010	0.92	0.000000	0.00	0.038371	0.84	0.000014	8.79	0.000000	0.00	0.000404	0.34	0.000001	21.92	0.000001	######	0.033377	0.33	0.000027	2.01	0.004076	63.70	0.022106	8.79	0.000000	0.00	0.000055	24.90
07C2075	0.53 W	✓	0.000081	8.62	0.000000	0.00	0.000022	1.34	0.000000	0.00	0.080896	1.29	0.000015	8.62	0.000000	0.00	0.000769	0.26	0.000003	21.94	0.000004	331.75	0.063491	0.24	0.000057	2.24	0.018926	11.03	0.023971	8.62	0.000000	0.00	0.000105	24.90
07C2076	0.62 W	✓	0.000056	13.25	0.000000	0.00	0.000019	1.18	0.000000	0.00	0.072075	1.12	0.000010	13.25	0.000000	0.00	0.000631	0.24	0.000002	21.93	0.000018	67.31	0.052097	0.22	0.000051	2.15	0.015463	14.33	0.016594	13.25	0.000000	0.00	0.000086	24.90
07C2077	0.71 W	✓	0.000042	23.02	0.000000	0.00	0.000017	1.35	0.000000	0.00	0.062896	1.29	0.000008	23.02	0.000000	0.00	0.000545	0.26	0.000002	21.94	0.000005	292.98	0.044981	0.24	0.000045	2.24	0.014956	19.15	0.012382	23.02	0.000000	0.00	0.000074	24.90
07C2078	0.80 W	✓	0.000049	13.59	0.000000	0.00	0.000017	0.94	0.000000	0.00	0.064775	0.87	0.000009	13.59	0.000000	0.00	0.000525	0.21	0.000002	21.92	0.000007	166.58	0.043352	0.19	0.000046	2.02	0.011241	17.77	0.014560	13.59	0.000000	0.00	0.000072	24.90
07C2080	0.97 W	✓	0.000046	13.43	0.000000	0.00	0.000017	0.84	0.000000	0.00	0.063505	0.75	0.000009	13.43	0.000000	0.00	0.000511	0.23	0.000002	21.91	0.000026	48.66	0.042179	0.20	0.000045	1.98	0.011594	15.94	0.013619	13.43	0.000000	0.00	0.000070	24.90
07C2081	1.15 W	✓	0.000044	18.42	0.000000	0.00	0.000016	1.00	0.000000	0.00	0.061046	0.93	0.000008	18.42	0.000000	0.00	0.000456	0.22	0.000002	21.92	0.000022	61.58	0.037617	0.20	0.000043	2.05	0.010073	24.17	0.013144	18.42	0.000000	0.00	0.000062	24.90
07C2082	1.33 W	✓	0.000046	15.79	0.000000	0.00	0.000019	0.81	0.000000	0.00	0.071568	0.72	0.000009	15.79	0.000000	0.00	0.000461	0.22	0.000002	21.91	0.000040	32.87	0.038097	0.20	0.000051	1.97	0.011037	19.56	0.013568	15.79	0.000000	0.00	0.000063	24.90
07C2084	1.68 W	✓	0.000068	12.77	0.000000	0.00	0.000038	1.19	0.000000	0.00	0.142808	1.13	0.000013	12.77	0.000000	0.00	0.000523	0.25	0.000005	21.93	0.000058	21.28	0.043212	0.22	0.000101	2.15	0.010293	25.08	0.020116	12.77	0.000000	0.00	0.000071	24.90
07C2085	2.03 W	✓	0.000056	13.14	0.000000	0.00	0.000041	0.92	0.000000	0.00	0.153670	0.84	0.000010	13.14	0.000000	0.00	0.000332	0.20	0.000005	21.92	0.000044	29.05	0.027388	0.18	0.000109	2.01	0.006332	34.44	0.016484	13.14	0.000000	0.00	0.000045	24.90
07C2086	2.48 W		0.000086	7.05	0.000000	0.00	0.000095	0.82	0.000000	0.00	0.352812	0.73	0.000016	7.05	0.000000	0.00	0.000322	0.27	0.000011	21.91	0.000073	17.00	0.026569	0.25	0.000250	1.97	0.002680	67.32	0.025306	7.05	0.000000	0.00	0.000044	24.90
07C2088	3.15 W		0.000088	8.77	0.000000	0.00	0.000146	1.11	0.000000	0.00	0.542083	1.05	0.000017	8.77	0.000000	0.00	0.000246	0.22	0.000017	21.93	0.000063	21.19	0.020320	0.20	0.000384	2.11	0.002853	80.82	0.026102	8.77	0.000000	0.00	0.000034	24.90
07C2089	4.07 W		0.000093	8.80	0.000000	0.00	0.000169	1.04	0.000000	0.00	0.629300	0.98	0.000017	8.80	0.000000	0.00	0.000145	0.28	0.000020	21.92	0.000044	29.35	0.011995	0.27	0.000446	2.07	0.002591	93.55	0.027388	8.80	0.000000	0.00	0.000020	24.90
07C2091	4.61 W		0.000061	11.88	0.000000	0.00	0.000139	1.01	0.000000	0.00	0.517345	0.94	0.000011	11.88	0.000000	0.00	0.000084	0.37	0.000017	21.92	0.000022	63.81	0.006917	0.36	0.000367	2.06	0.000455	475.71	0.018080	11.88	0.000000	0.00	0.000011	24.90
		Σ	0.046736	0.32	0.000000	0.00	0.000801	0.38	0.000000	0.00	2.976099	0.35	0.008735	0.32	0.000000	0.00	0.007480	0.06	0.000095	7.94	0.000934	7.00	0.617644	0.06	0.002110	0.75	0.390468	11.50	13.810441	0.32	0.000000	0.00	0.001019	6.11
		Σ							0.047536	0.32	2.976099	0.35									0.017244	0.42			0.619754	0.06							14.201928	0.44

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)
07C2061	0.00 W		32.064599	20.56267	2.994966	0.00161	2932.335246	79.77206	0.362015	0.12811	9.814910	0.27580	143.974	17.22304766	1.00101728	9.883E-18
07C2062	0.01 W		25.536301	10.62880	3.626927	0.00314	1610.375933	23.28785	0.466289	0.05015	5.363396	0.08522	143.992	17.22919107	1.00101741	1.197E-17
07C2063	0.02 W		10.749492	5.90137	3.131377	0.00262	794.995176	7.03189	0.587144	0.03104	2.654129	0.03065	144.010	17.23533667	1.00101754	1.033E-17
07C2064	0.06 W		10.023003	3.04064	2.041020	0.00303	401.247139	2.56803	0.620409	0.02849	1.324116	0.01302	144.028	17.24148446	1.00101766	6.735E-18
07C2066	0.09 W		2.341442	1.42523	1.050918	0.00182	161.441703	0.89143	0.822080	0.02447	0.538631	0.00551	144.065	17.25378663	1.00101792	3.468E-18
07C2067	0.12 W		2.810255	0.43229	0.565165	0.00178	51.763664	0.23446	0.881192	0.01479	0.165900	0.00146	144.083	17.25994100	1.00101805	1.865E-18
07C2068	0.21 W		0.940374	0.22672	0.252524	0.00174	14.317576	0.11387	0.975835	0.01447	0.045529	0.00071	144.101	17.26633440	1.00101818	8.334E-19
07C2069	0.27 W	✓	0.424343	0.15802	0.077882	0.00163	3.736319	0.07933	0.979336	0.01321	0.011467	0.00047	144.123	17.27367790	1.00101833	2.571E-19
07C2071	0.32 W	✓	0.527316	0.12778	0.044933	0.00167	1.817519	0.06786	1.044091	0.00959	0.004643	0.00037	144.163	17.28718860	1.00101861	1.484E-19
07C2072	0.38 W	✓	0.156922	0.07732	0.034387	0.00170	1.038194	0.05128	1.133891	0.00909	0.003282	0.00020	144.182	17.29382931	1.00101875	1.137E-19
07C2073	0.44 W	✓	0.122135	0.07780	0.026182	0.00172	0.785457	0.05162	1.148690	0.01036	0.002549	0.00020	144.199	17.29976067	1.00101887	8.658E-20
07C2075	0.53 W	✓	0.298081	0.03288	0.042896	0.00029	0.676666	0.00479	1.272983	0.01673	0.001619	0.00011	144.594	17.43507068	1.00102166	1.419E-19
07C2076	0.62 W	✓	0.296820	0.04255	0.032057	0.00028	0.616386	0.00561	1.382119	0.01581	0.001449	0.00014	144.613	17.44152895	1.00102179	1.061E-19
07C2077	0.71 W	✓	0.332503	0.06367	0.027339	0.00027	0.608825	0.00620	1.396900	0.01836	0.001306	0.00021	144.631	17.44798962	1.00102192	9.046E-20
07C2078	0.80 W	✓	0.259303	0.04608	0.025802	0.00027	0.596181	0.00629	1.492572	0.01325	0.001537	0.00015	144.649	17.45421326	1.00102205	8.538E-20
07C2080	0.97 W	✓	0.274876	0.04382	0.025213	0.00026	0.598770	0.00631	1.504019	0.01169	0.001496	0.00015	144.685	17.46666721	1.00102230	8.343E-20
07C2081	1.15 W	✓	0.267771	0.06472	0.023216	0.00026	0.618111	0.00696	1.620938	0.01543	0.001617	0.00022	144.703	17.47289752	1.00102243	7.682E-20
07C2082	1.33 W	✓	0.289723	0.05668	0.024605	0.00027	0.646649	0.00725	1.876077	0.01399	0.001708	0.00019	144.722	17.47936981	1.00102256	8.140E-20
07C2084	1.68 W	✓	0.238205	0.05976	0.030410	0.00026	0.703740	0.00610	3.297130	0.03792	0.002459	0.00020	144.984	17.56999295	1.00102441	1.006E-19
07C2085	2.03 W	✓	0.231200	0.07963	0.022816	0.00026	0.831385	0.00942	5.588532	0.04808	0.003532	0.00027	145.004	17.57698339	1.00102456	7.544E-20
07C2086	2.48 W		0.100870	0.06791	0.027986	0.00027	1.045123	0.01053	13.155175	0.10112	0.006732	0.00022	145.024	17.58397661	1.00102470	9.250E-20
07C2088	3.15 W		0.140419	0.11349	0.028956	0.00028	1.400175	0.01398	26.182650	0.27884	0.011310	0.00037	145.060	17.59652315	1.00102495	9.566E-20
07C2089	4.07 W		0.216010	0.20207	0.024797	0.00027	1.994765	0.02194	50.582469	0.50967	0.021057	0.00064	145.078	17.60279977	1.00102508	8.190E-20
07C2091	4.61 W		0.065802	0.31303	0.018535	0.00027	2.546267	0.03822	71.028028	0.70706	0.027507	0.00098	145.115	17.61535974	1.00102534	6.120E-20

Procedure Blanks		36Ar	1σ	37Ar	1σ	38Ar	1σ	39Ar	1σ	40Ar	1σ
07C2061	0.00 W	0.000030	0.000005	0.000023	0.000005	0.000010	0.000005	0.000089	0.000025	0.009450	0.001493
07C2062	0.01 W	0.000030	0.000005	0.000024	0.000005	0.000010	0.000005	0.000093	0.000025	0.008976	0.001504
07C2063	0.02 W	0.000030	0.000005	0.000025	0.000005	0.000011	0.000005	0.000098	0.000025	0.008451	0.001516
07C2064	0.06 W	0.000030	0.000005	0.000026	0.000005	0.000011	0.000005	0.000102	0.000025	0.007892	0.001530
07C2066	0.09 W	0.000029	0.000005	0.000029	0.000005	0.000011	0.000005	0.000107	0.000026	0.006749	0.001561
07C2067	0.12 W	0.000028	0.000005	0.000030	0.000005	0.000011	0.000005	0.000107	0.000026	0.006211	0.001579
07C2068	0.21 W	0.000026	0.000005	0.000030	0.000005	0.000010	0.000005	0.000105	0.000026	0.005713	0.001599
07C2069	0.27 W	0.000023	0.000005	0.000031	0.000005	0.000009	0.000005	0.000098	0.000027	0.005259	0.001623
07C2071	0.32 W	0.000015	0.000005	0.000031	0.000005	0.000006	0.000005	0.000069	0.000028	0.004939	0.001671
07C2072	0.38 W	0.000009	0.000005	0.000029	0.000005	0.000003	0.000005	0.000046	0.000028	0.005121	0.001697
07C2073	0.44 W	0.000003	0.000006	0.000028	0.000005	0.000001	0.000005	0.000018	0.000028	0.005530	0.001721
07C2075	0.53 W	0.000020	0.000005	0.000028	0.000004	0.000002	0.000012	0.000046	0.000011	0.005203	0.000272
07C2076	0.62 W	0.000019	0.000005	0.000026	0.000004	0.000002	0.000011	0.000047	0.000011	0.005159	0.000269
07C2077	0.71 W	0.000018	0.000005	0.000024	0.000004	0.000001	0.000011	0.000047	0.000011	0.005114	0.000266
07C2078	0.80 W	0.000017	0.000005	0.000022	0.000004	0.000001	0.000011	0.000047	0.000010	0.005069	0.000263
07C2080	0.97 W	0.000016	0.000005	0.000019	0.000004	0.000001	0.000011	0.000046	0.000010	0.004978	0.000258
07C2081	1.15 W	0.000016	0.000005	0.000018	0.000004	0.000001	0.000011	0.000045	0.000010	0.004932	0.000256
07C2082	1.33 W	0.000016	0.000005	0.000016	0.000004	0.000001	0.000011	0.000044	0.000010	0.004885	0.000254
07C2084	1.68 W	0.000017	0.000005	0.000020	0.000004	0.000005	0.000011	0.000037	0.000010	0.004398	0.000251
07C2085	2.03 W	0.000017	0.000005	0.000022	0.000004	0.000005	0.000011	0.000038	0.000010	0.004386	0.000252
07C2086	2.48 W	0.000016	0.000005	0.000025	0.000004	0.000005	0.000011	0.000040	0.000010	0.004381	0.000254
07C2088	3.15 W	0.000015	0.000005	0.000030	0.000004	0.000006	0.000011	0.000045	0.000010	0.004385	0.000259
07C2089	4.07 W	0.000014	0.000005	0.000033	0.000004	0.000006	0.000011	0.000048	0.000010	0.004395	0.000261
07C2091	4.61 W	0.000012	0.000005	0.000040	0.000004	0.000006	0.000011	0.000057	0.000011	0.004433	0.000267

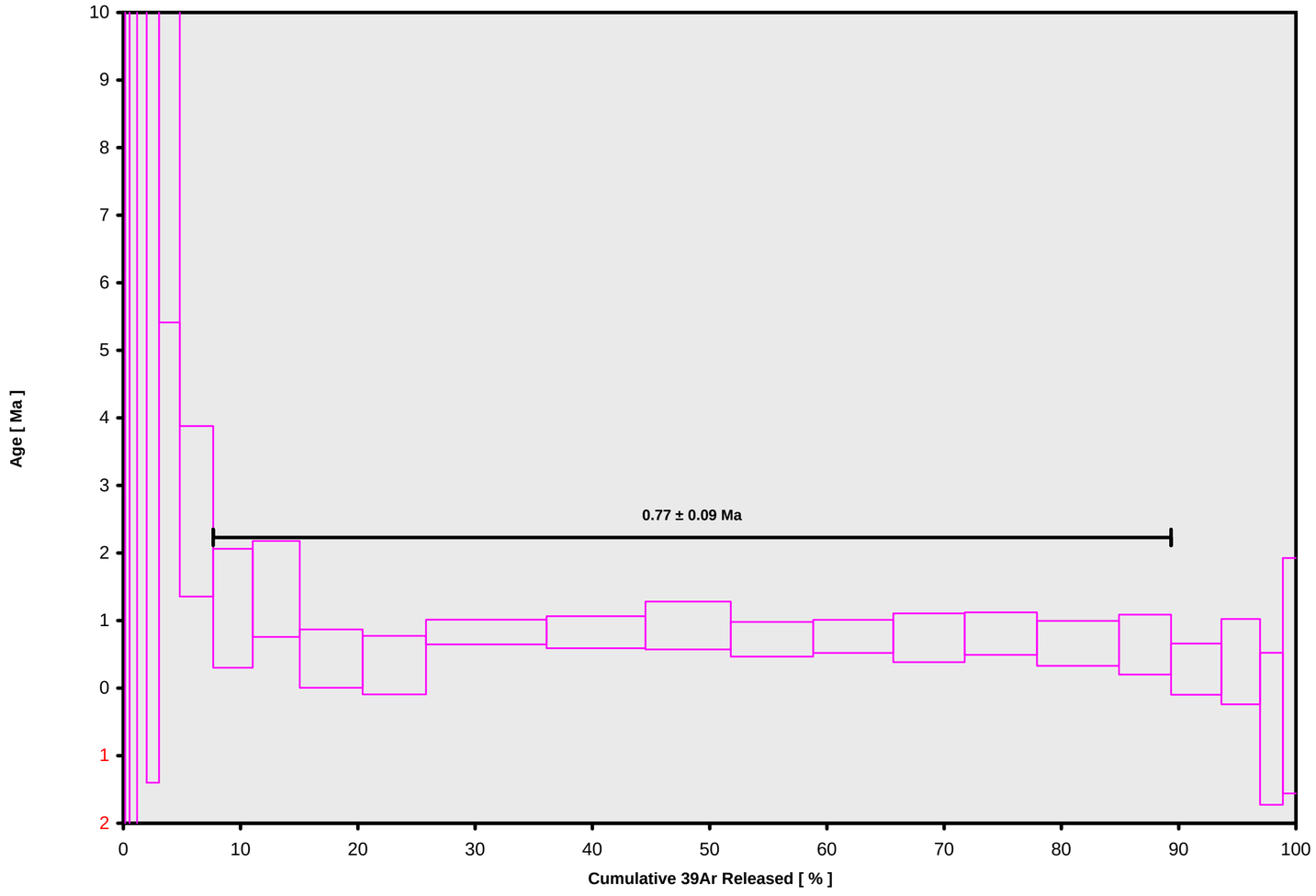
Intercept Values		36Ar	1σ	r2		37Ar	1σ	r2		38Ar	1σ	r2		39Ar	1σ	r2		40Ar	1σ	r2	
07C2061	0.00 W	0.010033	0.000031	0.9517	LIN # 1	0.000044	0.000005	0.9759	LIN #	0.001904	0.000009	0.6824	LIN #	0.001094	0.000013	0.9999	LIN #	2.953616	0.000585	0.9997	LIN #
07C2062	0.01 W	0.012084	0.000024	0.9847	LIN # 1	0.000084	0.000004	0.9927	LIN #	0.002341	0.000009	0.3040	LIN #	0.002312	0.000020	0.9998	LIN #	3.574427	0.002712	0.9963	EXP #
07C2063	0.02 W	0.010463	0.000041	0.9358	LIN # 5	0.000158	0.000004	0.9848	LIN #	0.002103	0.000017	0.1172	LIN #	0.003979	0.000023	0.9997	LIN #	3.086743	0.002097	0.9971	EXP # 1
07C2064	0.06 W	0.006751	0.000028	0.9319	LIN # 1	0.000208	0.000006	0.9542	LIN #	0.001414	0.000011	0.2802	LIN #	0.005114	0.000017	0.9997	EXP #	2.014078	0.002572	0.9887	EXP #
07C2066	0.09 W	0.003526	0.000021	0.8864	LIN # 1	0.000336	0.000007	0.7074	LIN # 1	0.000807	0.000007	0.2951	LIN #	0.006519	0.000020	0.9984	EXP #	1.039283	0.000912	0.9925	LIN # 1
07C2067	0.12 W	0.001834	0.000008	0.8931	LIN #	0.000583	0.000007	0.3359	LIN #	0.000545	0.000006	0.0004	LIN #	0.010861	0.000016	0.9949	EXP #	0.561346	0.000813	0.9886	EXP # 1
07C2068	0.21 W	0.000827	0.000010	0.4001	LIN #	0.001020	0.000012	0.5002	LIN #	0.000419	0.000006	0.2320	LIN #	0.017480	0.000058	0.5121	LIN # 1	0.253724	0.000677	0.9282	LIN # 1
07C2069	0.27 W	0.000262	0.000008	0.1067	LIN #	0.001205	0.000012	0.4254	LIN #	0.000306	0.000006	0.2050	LIN #	0.020635	0.000056	0.9666	EXP #	0.081697	0.000176	0.9447	EXP # 1
07C2071	0.32 W	0.000129	0.000007	0.5334	LIN # 1	0.001514	0.000007	0.9179	LIN #	0.000337	0.000006	0.1787	LIN #	0.024435	0.000055	0.9751	EXP #	0.049015	0.000087	0.9940	EXP #
07C2072	0.38 W	0.000118	0.000004	0.3378	LIN #	0.002189	0.000007	0.9759	EXP # 1 7	0.000424	0.000008	0.0570	LIN # 4	0.032713	0.000071	0.9491	EXP #	0.038852	0.000066	0.9986	EXP # 5
07C2073	0.44 W	0.000087	0.000004	0.3825	LIN #	0.002230	0.000011	0.9212	LIN #	0.000417	0.000008	0.4414	LIN #	0.032909	0.000090	0.9803	EXP #	0.031193	0.000059	0.9982	LIN # 1
07C2075	0.53 W	0.000122	0.000004	0.0977	LIN #	0.004642	0.000052	0.8501	LIN # 1 3	0.000778	0.000003	0.8901	LIN # 8	0.062716	0.000108	0.9848	LIN # 1	0.047408	0.000089	0.9919	LIN # 1
07C2076	0.62 W	0.000094	0.000005	0.3285	LIN #	0.004135	0.000038	0.8442	LIN # 1 2	0.000657	0.000003	0.8585	LIN #	0.051463	0.000076	0.9890	EXP # 1	0.036679	0.000089	0.9920	EXP # 1
07C2077	0.71 W	0.000076	0.000008	0.4023	LIN #	0.003607	0.000040	0.7263	LIN # 1	0.000555	0.000008	0.0814	LIN #	0.044428	0.000076	0.9895	LIN # 1 7	0.031973	0.000055	0.9967	LIN #
07C2078	0.80 W	0.000083	0.000004	0.2180	LIN #	0.003710	0.000022	0.9361	EXP # 1	0.000540	0.000005	0.4461	LIN #	0.042815	0.000042	0.9958	LIN #	0.030410	0.000052	0.9970	EXP #
07C2080	0.97 W	0.000079	0.000003	0.3481	LIN #	0.003633	0.000014	0.9643	LIN # 1	0.000543	0.000006	0.6865	LIN # 6	0.041665	0.000050	0.9930	LIN #	0.029746	0.000041	0.9982	EXP #
07C2081	1.15 W	0.000076	0.000006	0.2427	LIN #	0.003491	0.000024	0.8548	LIN # 1	0.000484	0.000008	0.0625	LIN #	0.037166	0.000043	0.9947	LIN # 2	0.027731	0.000035	0.9986	LIN #
07C2082	1.33 W	0.000080	0.000005	0.4006	LIN #	0.004087	0.000014	0.9585	EXP # 1	0.000509	0.000007	0.3405	LIN #	0.037645	0.000043	0.9946	LIN # 1	0.029050	0.000098	0.9905	LIN #
07C2084	1.68 W	0.000123	0.000007	0.0076	LIN #	0.008096	0.000076	0.8278	LIN # 1	0.000597	0.000006	0.5731	LIN #	0.042708	0.000066	0.9932	EXP # 1	0.034268	0.000048	0.9958	EXP #
07C2085	2.03 W	0.000113	0.000005	0.0010	LIN #	0.008707	0.000049	0.9368	LIN # 1	0.000392	0.000007	0.0777	LIN #	0.027123	0.000017	0.9982	EXP # 1	0.026765	0.000041	0.9974	LIN #
07C2086	2.48 W	0.000196	0.000002	0.5012	LIN #	0.019956	0.000073	0.9624	LIN # 1	0.000422	0.000005	0.5158	LIN #	0.026454	0.000048	0.9858	LIN # 1	0.031834	0.000100	0.9864	EXP #
07C2088	3.15 W	0.000248	0.000005	0.1703	LIN #	0.030628	0.000256	0.7560	LIN #	0.000345	0.000006	0.3610	LIN #	0.020434	0.000019	0.9908	EXP #	0.032778	0.000115	0.9843	LIN #
07C2089	4.07 W	0.000275	0.000006	0.3535	LIN #	0.035542	0.000266	0.8250	LIN #	0.000230	0.000005	0.0416	LIN #	0.012300	0.000020	0.9718	EXP # 1	0.028690	0.000049	0.9969	EXP #
07C2091	4.61 W	0.000211	0.000005	0.3720	LIN #	0.029214	0.000204	0.8991	LIN # 1 2	0.000138	0.000007	0.0355	LIN #	0.007230	0.000017	0.5268	LIN #	0.022570	0.000050	0.9971	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
07C2061	0.00 W	MUL-2 4D10-06	Groundmass 210-300µm	Muli, Samoa	Jamie Russell	0	28.03	0.01	0.00154	0.29	1.00378	0.16	1.0172	3.300E-18	14	MAY	2007	15	23	001	OSU4D06	Samoa	07C2061	01	FCT-3
07C2062	0.01 W	MUL-2 4D10-06	Groundmass 210-300µm	Muli, Samoa	Jamie Russell	0.01	28.03	0.01	0.00154	0.29	1.00378	0.16	1.0172	3.300E-18	14	MAY	2007	15	49	001	OSU4D06	Samoa	07C2061	01	FCT-3
07C2063	0.02 W	MUL-2 4D10-06	Groundmass 210-300µm	Muli, Samoa	Jamie Russell	0.02	28.03	0.01	0.00154	0.29	1.00378	0.16	1.0172	3.300E-18	14	MAY	2007	16	15	001	OSU4D06	Samoa	07C2061	01	FCT-3
07C2064	0.06 W	MUL-2 4D10-06	Groundmass 210-300µm	Muli, Samoa	Jamie Russell	0.06	28.03	0.01	0.00154	0.29	1.00378	0.16	1.0173	3.300E-18	14	MAY	2007	16	41	001	OSU4D06	Samoa	07C2061	01	FCT-3
07C2066	0.09 W	MUL-2 4D10-06	Groundmass 210-300µm	Muli, Samoa	Jamie Russell	0.09	28.03	0.01	0.00154	0.29	1.00378	0.16	1.0177	3.300E-18	14	MAY	2007	17	33	001	OSU4D06	Samoa	07C2061	01	FCT-3
07C2067	0.12 W	MUL-2 4D10-06	Groundmass 210-300µm	Muli, Samoa	Jamie Russell	0.12	28.03	0.01	0.00154	0.29	1.00378	0.16	1.0179	3.300E-18	14	MAY	2007	17	59	001	OSU4D06	Samoa	07C2061	01	FCT-3
07C2068	0.21 W	MUL-2 4D10-06	Groundmass 210-300µm	Muli, Samoa	Jamie Russell	0.21	28.03	0.01	0.00154	0.29	1.00378	0.16	1.0179	3.300E-18	14	MAY	2007	18	26	001	OSU4D06	Samoa	07C2061	01	FCT-3
07C2069	0.27 W	MUL-2 4D10-06	Groundmass 210-300µm	Muli, Samoa	Jamie Russell	0.27	28.03	0.01	0.00154	0.29	1.00378	0.16	1.0181	3.300E-18	14	MAY	2007	18	57	001	OSU4D06	Samoa	07C2061	01	FCT-3
07C2071	0.32 W	MUL-2 4D10-06	Groundmass 210-300µm	Muli, Samoa	Jamie Russell	0.32	28.03	0.01	0.00154	0.29	1.00378	0.16	1.0183	3.300E-18	14	MAY	2007	19	54	001	OSU4D06	Samoa	07C2061	01	FCT-3
07C2072	0.38 W	MUL-2 4D10-06	Groundmass 210-300µm	Muli, Samoa	Jamie Russell	0.38	28.03	0.01	0.00154	0.29	1.00378	0.16	1.0183	3.300E-18	14	MAY	2007	20	22	001	OSU4D06	Samoa	07C2061	01	FCT-3
07C2073	0.44 W	MUL-2 4D10-06	Groundmass 210-300µm	Muli, Samoa	Jamie Russell	0.44	28.03	0.01	0.00154	0.29	1.00378	0.16	1.0184	3.300E-18	14	MAY	2007	20	47	001	OSU4D06	Samoa	07C2061	01	FCT-3
07C2075	0.53 W	MUL-2 4D10-06	Groundmass 210-300µm	Muli, Samoa	Jamie Russell	0.53	28.03	0.01	0.00154	0.29	1.00378	0.16	1.0168	3.300E-18	15	MAY	2007	06	15	001	OSU4D06	Samoa	07C2061	01	FCT-3
07C2076	0.62 W	MUL-2 4D10-06	Groundmass 210-300µm	Muli, Samoa	Jamie Russell	0.62	28.03	0.01	0.00154	0.29	1.00378	0.16	1.017	3.300E-18	15	MAY	2007	06	42	001	OSU4D06	Samoa	07C2061	01	FCT-3
07C2077	0.71 W	MUL-2 4D10-06	Groundmass 210-300µm	Muli, Samoa	Jamie Russell	0.71	28.03	0.01	0.00154	0.29	1.00378	0.16	1.0173	3.300E-18	15	MAY	2007	07	09	001	OSU4D06	Samoa	07C2061	01	FCT-3
07C2078	0.80 W	MUL-2 4D10-06	Groundmass 210-300µm	Muli, Samoa	Jamie Russell	0.8	28.03	0.01	0.00154	0.29	1.00378	0.16	1.0175	3.300E-18	15	MAY	2007	07	35	001	OSU4D06	Samoa	07C2061	01	FCT-3
07C2080	0.97 W	MUL-2 4D10-06	Groundmass 210-300µm	Muli, Samoa	Jamie Russell	0.97	28.03	0.01	0.00154	0.29	1.00378	0.16	1.0173	3.300E-18	15	MAY	2007	08	27	001	OSU4D06	Samoa	07C2061	01	FCT-3
07C2081	1.15 W	MUL-2 4D10-06	Groundmass 210-300µm	Muli, Samoa	Jamie Russell	1.15	28.03	0.01	0.00154	0.29	1.00378	0.16	1.0173	3.300E-18	15	MAY	2007	08	53	001	OSU4D06	Samoa	07C2061	01	FCT-3
07C2082	1.33 W	MUL-2 4D10-06	Groundmass 210-300µm	Muli, Samoa	Jamie Russell	1.33	28.03	0.01	0.00154	0.29	1.00378	0.16	1.0173	3.300E-18	15	MAY	2007	09	20	001	OSU4D06	Samoa	07C2061	01	FCT-3
07C2084	1.68 W	MUL-2 4D10-06	Groundmass 210-300µm	Muli, Samoa	Jamie Russell	1.68	28.03	0.01	0.00154	0.29	1.00378	0.16	1.0178	3.300E-18	15	MAY	2007	15	37	001	OSU4D06	Samoa	07C2061	01	FCT-3
07C2085	2.03 W	MUL-2 4D10-06	Groundmass 210-300µm	Muli, Samoa	Jamie Russell	2.03	28.03	0.01	0.00154	0.29	1.00378	0.16	1.018	3.300E-18	15	MAY	2007	16	06	001	OSU4D06	Samoa	07C2061	01	FCT-3
07C2086	2.48 W	MUL-2 4D10-06	Groundmass 210-300µm	Muli, Samoa	Jamie Russell	2.48	28.03	0.01	0.00154	0.29	1.00378	0.16	1.0181	3.300E-18	15	MAY	2007	16	35	001	OSU4D06	Samoa	07C2061	01	FCT-3
07C2088	3.15 W	MUL-2 4D10-06	Groundmass 210-300µm	Muli, Samoa	Jamie Russell	3.15	28.03	0.01	0.00154	0.29	1.00378	0.16	1.0182	3.300E-18	15	MAY	2007	17	27	001	OSU4D06	Samoa	07C2061	01	FCT-3
07C2089	4.07 W	MUL-2 4D10-06	Groundmass 210-300µm	Muli, Samoa	Jamie Russell	4.07	28.03	0.01	0.00154	0.29	1.00378	0.16	1.0182	3.300E-18	15	MAY	2007	17	53	001	OSU4D06	Samoa	07C2061	01	FCT-3
07C2091	4.61 W	MUL-2 4D10-06	Groundmass 210-300µm	Muli, Samoa	Jamie Russell	4.61	28.03	0.01	0.00154	0.29	1.00378	0.16	1.0181	3.300E-18	15	MAY	2007	18	45	001	OSU4D06	Samoa	07C2061	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
07C2061	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
07C2062	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
07C2063	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
07C2064	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
07C2066	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
07C2067	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
07C2068	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
07C2069	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
07C2071	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
07C2072	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
07C2073	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
07C2075	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
07C2076	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
07C2077	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
07C2078	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
07C2080	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
07C2081	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
07C2082	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
07C2084	1.68 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
07C2085	2.03 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
07C2086	2.48 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
07C2088	3.15 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
07C2089	4.07 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
07C2091	4.61 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

07C2061.AGE >>> MUL-2 4D10-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
0.77 ± 0.09
TOTAL FUSION
1.76 ± 0.40
NORMAL ISOCHRON
0.70 ± 0.17
INVERSE ISOCHRON
0.71 ± 0.14

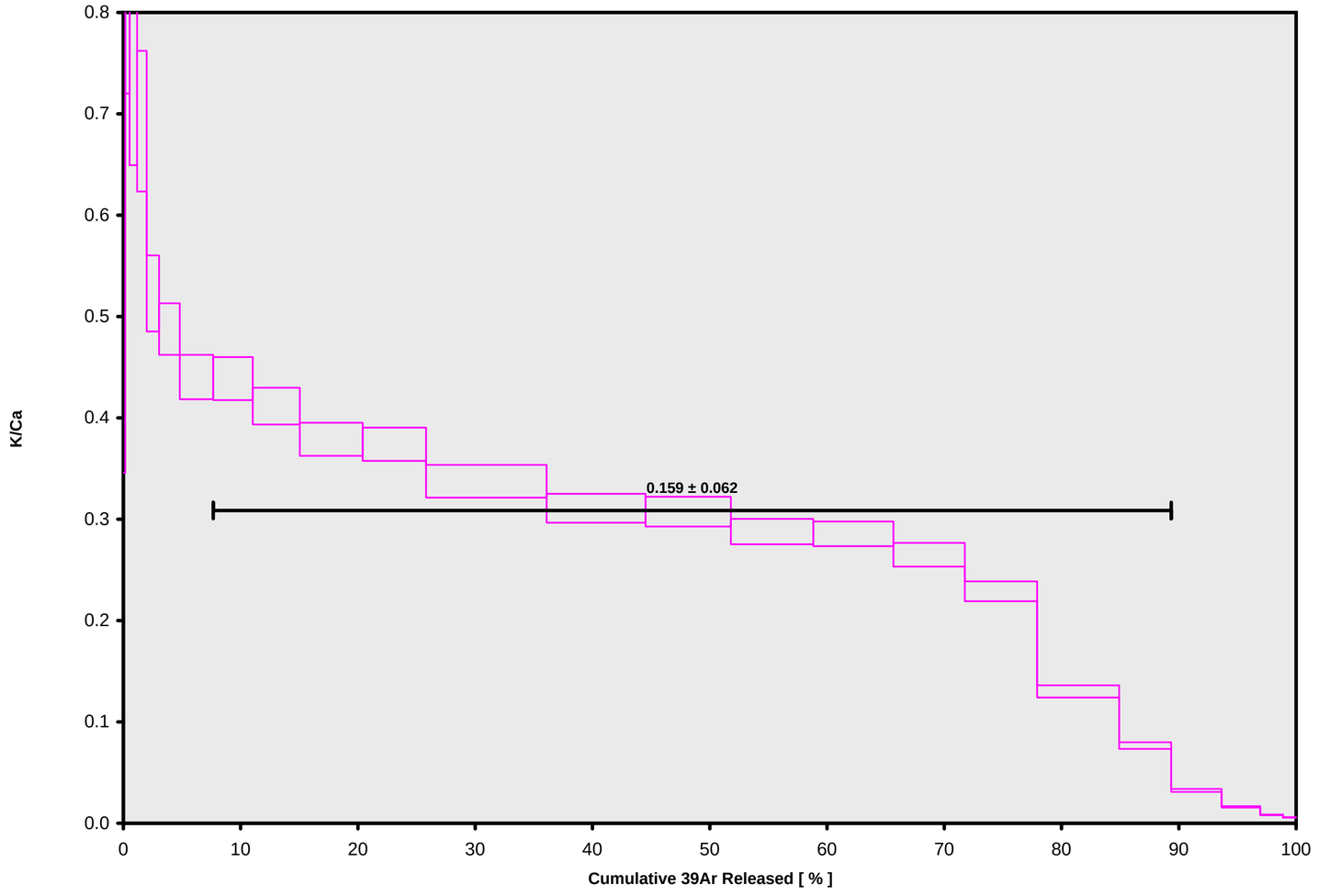
MSWD (PROBABILITY)
1.12 (34%)

Sample Info

Groundmass 210-300µm
Muli, Samoa
Jamie Russell

IRR = OSU4D06
J = 0.00154000 ± 0.00000447

07C2061.AGE >>> MUL-2 4D10-06 >>> SAMOA PROJECT



Ar-Ages in Ma

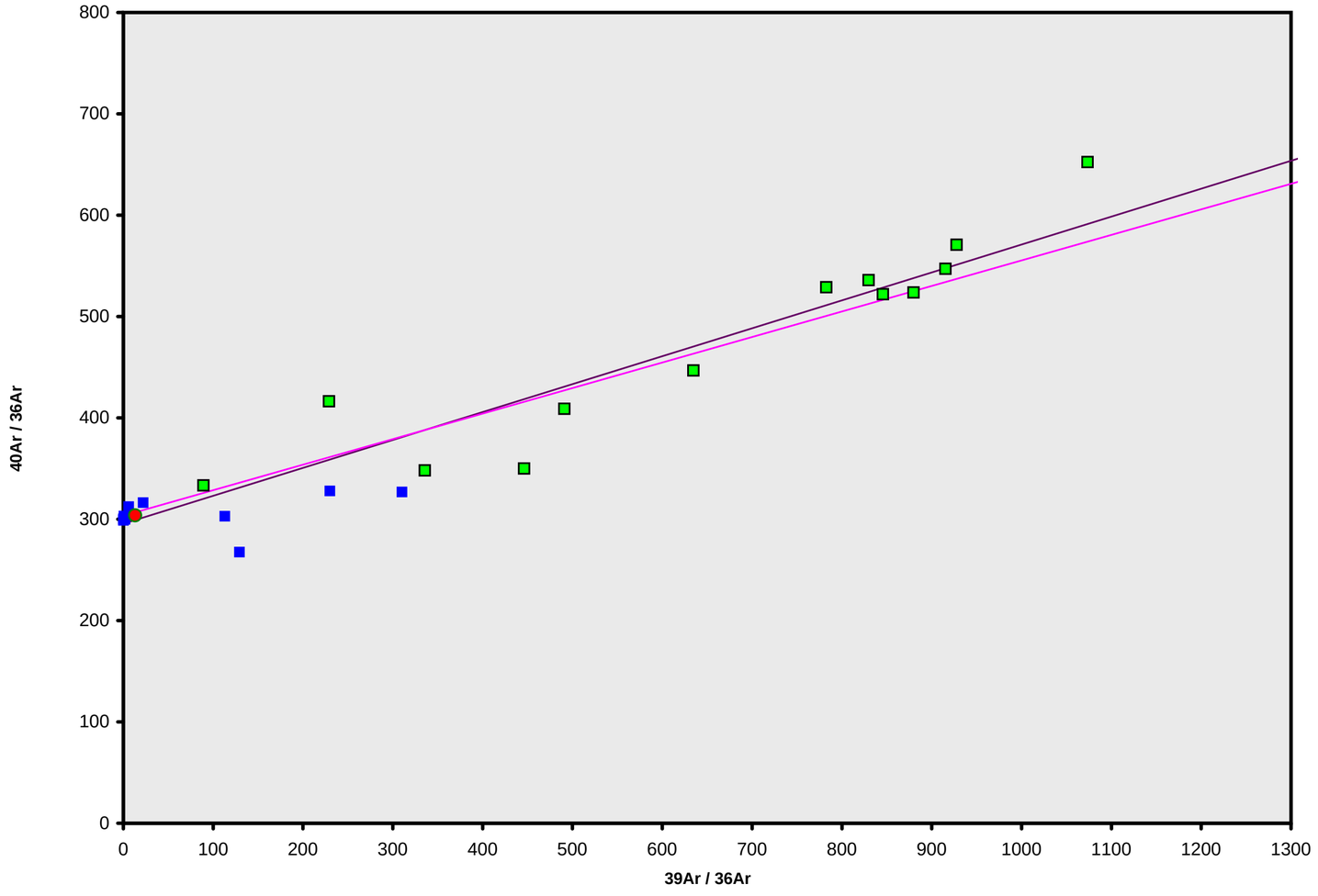
WEIGHTED PLATEAU
0.77 ± 0.09
TOTAL FUSION
1.76 ± 0.40
NORMAL ISOCHRON
0.70 ± 0.17
INVERSE ISOCHRON
0.71 ± 0.14

Sample Info

Groundmass 210-300µm
Muli, Samoa
Jamie Russell

IRR = OSU4D06
J = 0.00154000 ± 0.00000447

07C2061.AGE >>> MUL-2 4D10-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
0.77 ± 0.09
TOTAL FUSION
1.76 ± 0.40
NORMAL ISOCHRON
0.70 ± 0.17
INVERSE ISOCHRON
0.71 ± 0.14

MSWD (PROBABILITY)
1.19 (29%)

40AR/36AR INTERCEPT
303.5 ± 31.6

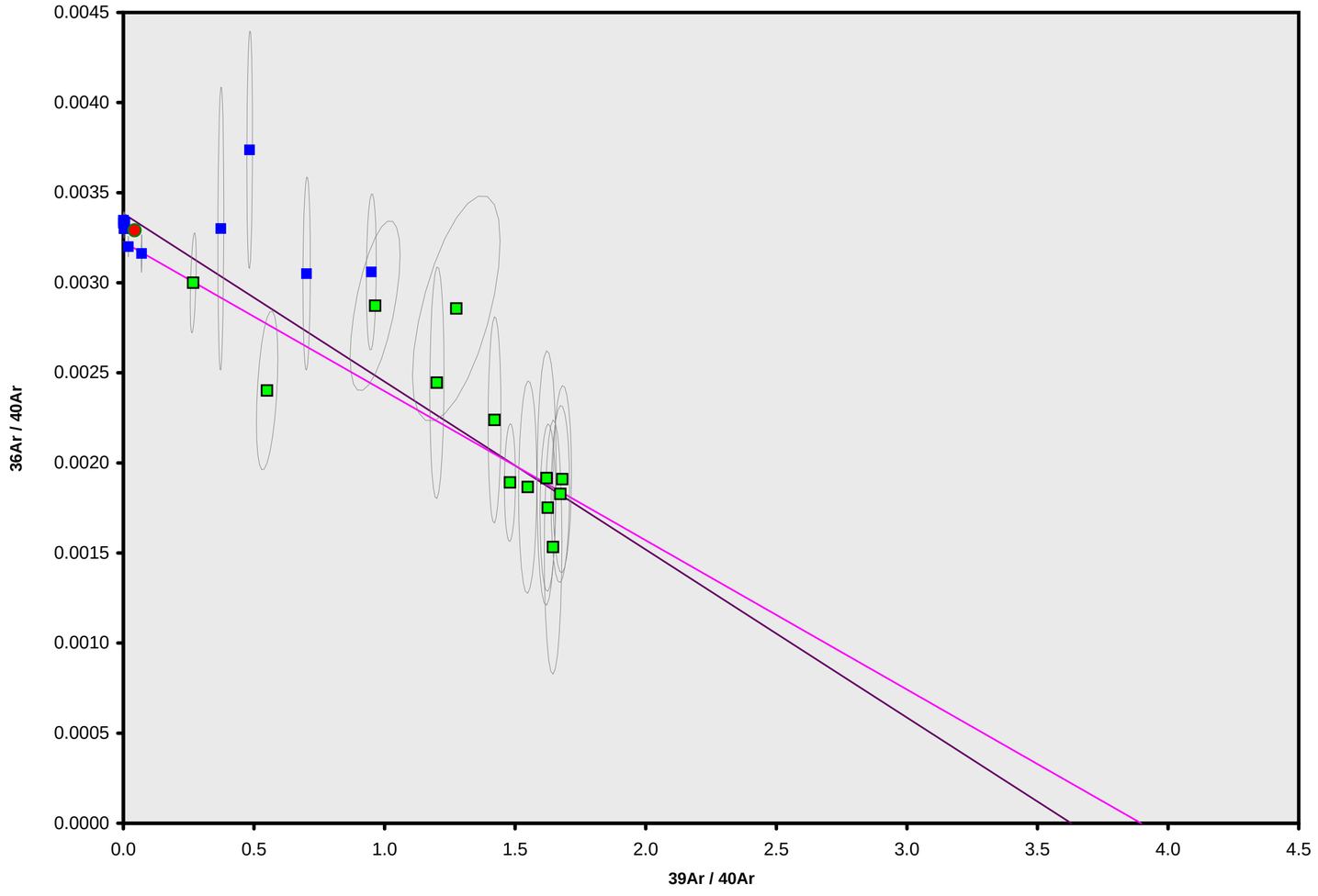
Sample Info

Groundmass 210-300µm
Muli, Samoa
Jamie Russell

IRR = OSU4D06
J = 0.00154000 ± 0.00000447

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

07C2061.AGE >>> MUL-2 4D10-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
0.77 ± 0.09
TOTAL FUSION
1.76 ± 0.40
NORMAL ISOCHRON
0.70 ± 0.17
INVERSE ISOCHRON
0.71 ± 0.14

MSWD (PROBABILITY)
1.07 (38%)

SPREADING FACTOR
36.3%

40AR/36AR INTERCEPT
310.0 ± 30.0

Sample Info

Groundmass 210-300µm
Muli, Samoa
Jamie Russell

IRR = OSU4D06
J = 0.00154000 ± 0.00000447