Incremental Heating			36Ar(a)	37Ar(ca)	38Ar(cl)	39Ar(k)	40Ar(r)	Age ± 2σ (Ma)	40Ar(r) (%)	39Ar(k) (%)	K/Ca ± 2σ
07C1203	0.00 W		0.004152	0.000606	0.000013	0.000331	0.025038	212.60 ± 215.33	2.00	0.03	0.235 ± 0.257
07C1204	0.01 W		0.003105	0.001192	0.000018	0.000898	0.028335	91.87 ± 52.05	3.00	0.07	0.324 ± 0.179
07C1206	0.03 W		0.001393	0.002006	0.000017	0.001370	0.014449	31.22 ± 30.50	3.39	0.10	0.294 ± 0.103
07C1207	0.09 W		0.000792	0.002931	0.000006	0.001964	0.015251	23.03 ± 13.27	6.12	0.15	0.288 ± 0.069
07C1208	0.09 W	✓	0.000608	0.005976	0.000004	0.003423	0.015242	13.24 ± 4.97	7.82	0.26	0.246 ± 0.032
07C1210	0.12 W	✓	0.000449	0.011178	0.000025	0.006049	0.023089	11.36 ± 3.37	14.82	0.46	0.233 ± 0.020
07C1211	0.18 W	✓	0.000277	0.018248	0.000010	0.009940	0.039632	11.86 ± 1.67	32.63	0.76	0.234 ± 0.014
07C1212	0.27 W	✓	0.000160	0.027324	0.000032	0.015123	0.066104	13.00 ± 0.91	58.32	1.16	0.238 ± 0.012
07C1215	0.35 W	✓	0.000097	0.030872	0.000019	0.016981	0.074756	13.09 ± 0.94	72.24	1.30	0.237 ± 0.013
07C1216	0.38 W	✓	0.000091	0.048621	0.000007	0.027552	0.120158	12.97 ± 0.53	81.75	2.11	0.244 ± 0.011
07C1217	0.44 W	✓	0.000080	0.061542	0.000000	0.036706	0.162160	13.14 ± 0.55	87.29	2.81	0.256 ± 0.012
07C1219	0.53 W	✓	0.000058	0.061701	0.000000	0.039636	0.175192	13.15 ± 0.50	91.00	3.04	0.276 ± 0.012
07C1220	0.65 W	✓	0.000069	0.074224	0.000000	0.050857	0.225371	13.18 ± 0.40	91.64	3.89	0.295 ± 0.013
07C1221	0.71 W	✓	0.000072	0.079431	0.000000	0.058252	0.257223	13.13 ± 0.34	92.37	4.46	0.315 ± 0.014
07C1222	0.80 W	✓	0.000068	0.073016	0.000000	0.057919	0.256558	13.17 ± 0.24	92.73	4.44	0.341 ± 0.015
07C1224	0.88 W	✓	0.000072	0.069637	0.000000	0.058553	0.257825	13.10 ± 0.25	92.38	4.48	0.362 ± 0.016
07C1225	0.94 W	✓	0.000077	0.062128	0.000000	0.054570	0.237909	12.97 ± 0.34	91.23	4.18	0.378 ± 0.018
07C1226	0.97 W	✓	0.000080	0.054514	0.000000	0.050276	0.221664	13.11 ± 0.30	90.30	3.85	0.397 ± 0.018
07C1228	1.09 W	✓	0.000099	0.065936	0.000000	0.062504	0.269018	12.80 ± 0.22	90.18	4.79	0.408 ± 0.018
07C1229	1.21 W	✓	0.000116	0.058663	0.000000	0.053895	0.228497	12.61 ± 0.32	86.97	4.13	0.395 ± 0.019
07C1230	1.24 W	✓	0.000116	0.049186	0.000000	0.048780	0.209654	12.78 ± 0.37	85.89	3.74	0.426 ± 0.019
07C1231	1.41 W	✓	0.000123	0.046517	0.000010	0.044853	0.190816	12.65 ± 0.38	83.96	3.43	0.415 ± 0.019
07C1233	1.59 W	✓	0.000140	0.066812	0.000029	0.053071	0.224414	12.58 ± 0.29	84.39	4.06	0.342 ± 0.016
07C1234	1.77 W		0.000200	0.113541	0.000027	0.064462	0.270950	12.50 ± 0.26	82.09	4.94	0.244 ± 0.011
07C1235	1.97 W		0.000245	0.131026	0.000029	0.073134	0.307166	12.49 ± 0.25	80.87	5.60	0.240 ± 0.010
07C1237	2.39 W		0.000290	0.208674	0.000052	0.091044	0.384735	12.57 ± 0.22	81.76	6.97	0.188 ± 0.008
07C1238	2.83 W		0.000389	0.275360	0.000071	0.093923	0.394179	12.48 ± 0.22	77.39	7.19	0.147 ± 0.006
07C1239	3.18 W		0.000482	0.312153	0.000054	0.083994	0.350765	12.42 ± 0.30	71.12	6.43	0.116 ± 0.005
07C1241	4.04 W		0.000583	0.386978	0.000086	0.085227	0.357259	12.47 ± 0.26	67.44	6.53	0.095 ± 0.004
07C1242	4.54 W		0.000949	0.314392	0.000036	0.060660	0.262230	12.86 ± 0.51	48.32	4.64	0.083 ± 0.004
		Σ	0.015432	2.714387	0.000546	1.305947	5.665639				

Information on Analysis

Sample = FAV-1 3E10-06
Material = Groundmass 125-300µm
Location = Fa'avevesi, Samoa
Analyst = Anthony Koppers
Project = SAMOA
Mass Discrimination Law = LIN
Irradiation = OSU3E06
J = 0.00165070 ± 0.00000512
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	4.3503 ± 0.0359	12.94 ± 0.13	1.57	57.35	0.301 ± 0.030
Error Mean	± 0.83%	± 1.03%	6%	19	
	Minimal External Error	± 0.26	1.33	2σ Confidence Limit	
	Analytical Error	± 0.11	1.2527	Error Magnification	
Total Fusion Age	4.3383 ± 0.0366	12.90 ± 0.13		30	0.207 ± 0.008
	± 0.84%	± 1.04%			
	Minimal External Error	± 0.26			
	Analytical Error	± 0.11			

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
07C1203	0.00 W		0.1 ± 0.0	301.5 ± 6.5	0.1070
07C1204	0.01 W		0.3 ± 0.0	304.6 ± 5.4	0.2232
07C1206	0.03 W		1.0 ± 0.1	305.9 ± 10.6	0.5710
07C1207	0.09 W		2.5 ± 0.1	314.8 ± 11.9	0.7172
07C1208	0.09 W	✓	5.6 ± 0.2	320.6 ± 10.2	0.8091
07C1210	0.12 W	✓	13.5 ± 0.7	346.9 ± 17.8	0.9411
07C1211	0.18 W	✓	35.9 ± 2.4	438.7 ± 29.6	0.9773
07C1212	0.27 W	✓	94.7 ± 8.9	709.3 ± 66.9	0.9896
07C1215	0.35 W	✓	174.8 ± 32.3	1065.0 ± 197.2	0.9985
07C1216	0.38 W	✓	304.0 ± 53.4	1621.1 ± 284.6	0.9976
07C1217	0.44 W	✓	460.4 ± 126.9	2329.3 ± 641.6	0.9991
07C1219	0.53 W	✓	678.9 ± 259.8	3296.5 ± 1261.6	0.9998
07C1220	0.65 W	✓	733.8 ± 242.0	3547.4 ± 1169.9	0.9998
07C1221	0.71 W	✓	813.6 ± 245.8	3888.3 ± 1174.5	0.9997
07C1222	0.80 W	✓	854.6 ± 190.1	4081.1 ± 907.8	0.9997
07C1224	0.88 W	✓	817.7 ± 180.0	3896.1 ± 857.7	0.9996
07C1225	0.94 W	✓	707.7 ± 185.7	3381.0 ± 886.7	0.9996
07C1226	0.97 W	✓	625.9 ± 124.6	3055.0 ± 608.0	0.9992
07C1228	1.09 W	✓	633.0 ± 91.2	3019.9 ± 434.8	0.9989
07C1229	1.21 W	✓	466.5 ± 75.2	2273.2 ± 366.1	0.9987
07C1230	1.24 W	✓	419.4 ± 71.8	2097.9 ± 359.1	0.9988
07C1231	1.41 W	✓	364.3 ± 55.6	1845.4 ± 281.3	0.9989
07C1233	1.59 W	✓	378.6 ± 45.9	1896.5 ± 229.9	0.9985
07C1234	1.77 W		322.8 ± 25.6	1652.5 ± 130.4	0.9904
07C1235	1.97 W		297.9 ± 23.7	1546.7 ± 122.7	0.9970
07C1237	2.39 W		314.1 ± 23.3	1622.8 ± 120.0	0.9967
07C1238	2.83 W		241.4 ± 13.8	1308.6 ± 74.7	0.9959
07C1239	3.18 W		174.4 ± 10.2	1023.9 ± 59.7	0.9963
07C1241	4.04 W		146.1 ± 6.1	908.1 ± 37.8	0.9880
07C1242	4.54 W		63.9 ± 2.4	571.8 ± 21.0	0.9892

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	289.5286 ± 9.3927	4.3548 ± 0.0420	12.95 ± 0.15	1.66
No Convergence	± 3.24%	± 0.96%	± 1.14%	4%
		Minimal External Error	± 0.27	
		Analytical Error	± 0.12	

Statistics				
	2σ Confidence Limit	1.69	Convergence	0.0003532361
	Error Magnification	1.2885	Number of Iterations	100
	Number of Data Points	19	Calculated Line	Weighted York-2

Inverse Isochron			39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
07C1203	0.00 W		0.000265 ± 0.000052	0.003316 ± 0.000071	0.0016
07C1204	0.01 W		0.000949 ± 0.000073	0.003283 ± 0.000058	0.0030
07C1206	0.03 W		0.003214 ± 0.000159	0.003269 ± 0.000113	0.0047
07C1207	0.09 W		0.007880 ± 0.000284	0.003177 ± 0.000120	0.0154
07C1208	0.09 W	✓	0.017552 ± 0.000393	0.003120 ± 0.000099	0.0447
07C1210	0.12 W	✓	0.038827 ± 0.000703	0.002883 ± 0.000148	0.0605
07C1211	0.18 W	✓	0.081857 ± 0.001178	0.002280 ± 0.000154	0.0891
07C1212	0.27 W	✓	0.133459 ± 0.001819	0.001410 ± 0.000133	0.0863
07C1215	0.35 W	✓	0.164132 ± 0.001688	0.000939 ± 0.000174	0.0422
07C1216	0.38 W	✓	0.187505 ± 0.002273	0.000617 ± 0.000108	0.0262
07C1217	0.44 W	✓	0.197639 ± 0.002246	0.000429 ± 0.000118	0.0097
07C1219	0.53 W	✓	0.205960 ± 0.001537	0.000303 ± 0.000116	0.0086
07C1220	0.65 W	✓	0.206862 ± 0.001374	0.000282 ± 0.000093	0.0089
07C1221	0.71 W	✓	0.209255 ± 0.001438	0.000257 ± 0.000078	0.0065
07C1222	0.80 W	✓	0.209409 ± 0.001083	0.000245 ± 0.000055	0.0095
07C1224	0.88 W	✓	0.209877 ± 0.001292	0.000257 ± 0.000057	0.0141
07C1225	0.94 W	✓	0.209324 ± 0.001528	0.000296 ± 0.000078	0.0060
07C1226	0.97 W	✓	0.204873 ± 0.001631	0.000327 ± 0.000065	0.0084
07C1228	1.09 W	✓	0.209606 ± 0.001439	0.000331 ± 0.000048	0.0092
07C1229	1.21 W	✓	0.205207 ± 0.001659	0.000440 ± 0.000071	0.0109
07C1230	1.24 W	✓	0.199898 ± 0.001686	0.000477 ± 0.000082	0.0103
07C1231	1.41 W	✓	0.197421 ± 0.001414	0.000542 ± 0.000083	0.0157
07C1233	1.59 W	✓	0.199640 ± 0.001340	0.000527 ± 0.000064	0.0163
07C1234	1.77 W		0.195366 ± 0.002144	0.000605 ± 0.000048	0.0266
07C1235	1.97 W		0.192607 ± 0.001181	0.000647 ± 0.000051	0.0211
07C1237	2.39 W		0.193550 ± 0.001158	0.000616 ± 0.000046	0.0147
07C1238	2.83 W		0.184468 ± 0.000956	0.000764 ± 0.000044	0.0124
07C1239	3.18 W		0.170353 ± 0.000861	0.000977 ± 0.000057	0.0155
07C1241	4.04 W		0.160926 ± 0.001044	0.001101 ± 0.000046	0.0211
07C1242	4.54 W		0.111786 ± 0.000606	0.001749 ± 0.000064	0.0233

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	291.9475 ± 9.2088 ± 3.15%	4.3578 ± 0.0404 ± 0.93%	12.96 ± 0.14 ± 1.11%	1.60 5%
		Minimal External Error	± 0.27	
		Analytical Error	± 0.12	

Statistics				
	2σ Confidence Limit	1.69	Convergence	0.0000091717
	Error Magnification	1.2665	Number of Iterations	3
	Number of Data Points	19	Calculated Line	Weighted York-2
	Spreading Factor	83.8%		

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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
07C1203	0.00 W		0.0041526	1.068	0.0006059	53.671	0.0007935	1.791	0.0003317	9.841	1.2520960	0.132	212.60 ± 215.33	2.00	0.03	0.235 ± 0.257
07C1204	0.01 W		0.0031057	0.883	0.0011922	27.301	0.0006098	1.681	0.0008983	3.827	0.9459804	0.101	91.87 ± 52.05	3.00	0.07	0.324 ± 0.179
07C1206	0.03 W		0.0013937	1.720	0.0020060	17.269	0.0002939	3.152	0.0013711	2.460	0.4261320	0.142	31.22 ± 30.50	3.39	0.10	0.294 ± 0.103
07C1207	0.09 W		0.0007929	1.869	0.0029311	11.751	0.0001778	5.028	0.0019666	1.788	0.2493173	0.229	23.03 ± 13.27	6.12	0.15	0.288 ± 0.069
07C1208	0.09 W	✓	0.0006099	1.561	0.0059757	6.045	0.0001596	6.255	0.0034269	1.082	0.1950017	0.282	13.24 ± 4.97	7.82	0.26	0.246 ± 0.032
07C1210	0.12 W	✓	0.0004521	2.527	0.0111784	3.811	0.0001829	5.384	0.0060570	0.823	0.1558048	0.375	11.36 ± 3.37	14.82	0.46	0.233 ± 0.020
07C1211	0.18 W	✓	0.0002817	3.278	0.0182481	2.070	0.0001824	4.382	0.0099530	0.548	0.1214483	0.465	11.86 ± 1.67	32.63	0.76	0.234 ± 0.014
07C1212	0.27 W	✓	0.0001671	4.482	0.0273242	1.350	0.0002458	3.394	0.0151422	0.432	0.1133391	0.527	13.00 ± 0.91	58.32	1.16	0.238 ± 0.012
07C1215	0.35 W	✓	0.0001055	8.519	0.0308718	1.797	0.0002437	3.461	0.0170032	0.252	0.1034895	0.448	13.09 ± 0.94	72.24	1.30	0.237 ± 0.013
07C1216	0.38 W	✓	0.0001037	7.663	0.0486212	0.932	0.0003595	3.210	0.0275870	0.477	0.1469883	0.373	12.97 ± 0.53	81.75	2.11	0.244 ± 0.011
07C1217	0.44 W	✓	0.0000963	11.402	0.0615416	0.985	0.0004515	2.165	0.0367494	0.496	0.1857816	0.275	13.14 ± 0.55	87.29	2.81	0.256 ± 0.012
07C1219	0.53 W	✓	0.0000750	14.896	0.0617010	0.904	0.0004666	2.308	0.0396793	0.279	0.1925086	0.247	13.15 ± 0.50	91.00	3.04	0.276 ± 0.012
07C1220	0.65 W	✓	0.0000893	12.798	0.0742243	0.980	0.0005994	1.720	0.0509097	0.248	0.2459345	0.221	13.18 ± 0.40	91.64	3.89	0.295 ± 0.013
07C1221	0.71 W	✓	0.0000930	11.628	0.0794313	0.940	0.0006845	2.525	0.0583085	0.290	0.2784750	0.183	13.13 ± 0.34	92.37	4.46	0.315 ± 0.014
07C1222	0.80 W	✓	0.0000874	8.619	0.0730159	1.027	0.0006792	1.812	0.0579712	0.199	0.2766801	0.165	13.17 ± 0.24	92.73	4.44	0.341 ± 0.015
07C1224	0.88 W	✓	0.0000903	8.721	0.0696372	0.950	0.0007063	1.848	0.0586019	0.217	0.2790814	0.218	13.10 ± 0.25	92.38	4.48	0.362 ± 0.016
07C1225	0.94 W	✓	0.0000938	10.774	0.0621281	1.279	0.0006427	1.822	0.0546136	0.323	0.2607841	0.169	12.97 ± 0.34	91.23	4.18	0.378 ± 0.018
07C1226	0.97 W	✓	0.0000950	8.411	0.0545142	1.070	0.0006070	1.791	0.0503148	0.354	0.2454838	0.182	13.11 ± 0.30	90.30	3.85	0.397 ± 0.018
07C1228	1.09 W	✓	0.0001165	6.100	0.0659356	0.985	0.0007589	1.336	0.0625506	0.308	0.2982997	0.151	12.80 ± 0.22	90.18	4.79	0.408 ± 0.018
07C1229	1.21 W	✓	0.0001313	7.081	0.0586634	1.263	0.0006744	1.733	0.0539369	0.357	0.2627277	0.188	12.61 ± 0.32	86.97	4.13	0.395 ± 0.019
07C1230	1.24 W	✓	0.0001295	7.682	0.0491861	0.922	0.0006056	1.534	0.0488150	0.375	0.2441060	0.193	12.78 ± 0.37	85.89	3.74	0.426 ± 0.019
07C1231	1.41 W	✓	0.0001356	6.916	0.0465171	1.006	0.0005776	1.615	0.0448862	0.292	0.2272696	0.207	12.65 ± 0.38	83.96	3.43	0.415 ± 0.019
07C1233	1.59 W	✓	0.0001581	5.368	0.0668121	1.050	0.0006997	1.609	0.0531184	0.282	0.2659213	0.182	12.58 ± 0.29	84.39	4.06	0.342 ± 0.016
07C1234	1.77 W		0.0002302	3.413	0.1135411	0.804	0.0008483	1.006	0.0645422	0.493	0.3300594	0.240	12.50 ± 0.26	82.09	4.94	0.244 ± 0.011
07C1235	1.97 W		0.0002807	3.463	0.1310264	0.815	0.0009648	0.893	0.0732274	0.261	0.3798296	0.160	12.49 ± 0.25	80.87	5.60	0.240 ± 0.010
07C1237	2.39 W		0.0003460	3.092	0.2086737	0.770	0.0012157	1.367	0.0911921	0.270	0.4705418	0.127	12.57 ± 0.22	81.76	6.97	0.188 ± 0.008
07C1238	2.83 W		0.0004632	2.392	0.2753604	0.766	0.0012903	0.979	0.0941179	0.240	0.5093090	0.096	12.48 ± 0.22	77.39	7.19	0.147 ± 0.006
07C1239	3.18 W		0.0005655	2.478	0.3121529	0.816	0.0011709	1.045	0.0842153	0.228	0.4931972	0.106	12.42 ± 0.30	71.12	6.43	0.116 ± 0.005
07C1241	4.04 W		0.0006874	1.759	0.3869777	0.801	0.0012392	0.983	0.0855012	0.301	0.5297429	0.119	12.47 ± 0.26	67.44	6.53	0.095 ± 0.004
07C1242	4.54 W		0.0010335	1.684	0.3143922	0.815	0.0009582	0.896	0.0608827	0.248	0.5427444	0.108	12.86 ± 0.51	48.32	4.64	0.083 ± 0.004
		Σ	0.0161628	0.488	2.7143870	0.230	0.0190898	0.318	1.3078714	0.066	10.2280751	0.034				

Information on Analysis and Constants Used in Calculations

Sample = FAV-1 3E10-06
Material = Groundmass 125-300µm
Location = Fa'avesi, Samoa
Analyst = Anthony Koppers
Project = SAMOA
Mass Discrimination Law = LIN
Irradiation = OSU3E06
J = 0.00165070 ± 0.00000512
FCT-3 = 28.030 ± 0.003 Ma
IGSN = KOP000058
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°39.0'S - 179°12.0'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	4.3503 ± 0.0359	12.94 ± 0.13	1.57	57.35	0.301 ± 0.030
Error Mean	± 0.83%	± 1.03%	6%	19	
	Minimal External Error ± 0.26		1.33	2σ Confidence Limit	
	Analytical Error ± 0.11		1.2527	Error Magnification	
Total Fusion Age	4.3383 ± 0.0366	12.90 ± 0.13		30	0.207 ± 0.008
	± 0.84%	± 1.04%			
	Minimal External Error ± 0.26				
	Analytical Error ± 0.11				
Normal Isochron	4.3548 ± 0.0420	12.95 ± 0.15	1.66	57.35	
No Convergence	± 0.96%	± 1.14%	4%	19	
	Minimal External Error ± 0.27		1.69	2σ Confidence Limit	
	Analytical Error ± 0.12		1.2885	Error Magnification	
Inverse Isochron	4.3578 ± 0.0404	12.96 ± 0.14	1.60	57.35	
	± 0.93%	± 1.11%	5%	19	
	Minimal External Error ± 0.27		1.69	2σ Confidence Limit	
	Analytical Error ± 0.12		1.2665	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
07C1203	0.00 W		0.004152	1.07	0.000000	0.00	0.000000	53.67	0.000000	122.82	0.000606	53.67	0.000776	1.07	0.000000	0.00	0.000004	9.85	0.000000	57.97	0.000013	122.94	0.000331	9.85	0.000000	53.70	0.025038	52.76	1.227058	1.07	0.000000	0.00	0.000001	26.78
07C1204	0.01 W		0.003105	0.88	0.000000	0.00	0.000000	27.30	0.000000	62.36	0.001192	27.30	0.000580	0.88	0.000000	0.00	0.000011	3.83	0.000000	35.00	0.000018	62.60	0.000898	3.83	0.000001	27.36	0.028335	28.80	0.917644	0.88	0.000000	0.00	0.000001	25.19
07C1206	0.03 W		0.001393	1.72	0.000000	0.00	0.000001	17.27	0.000000	61.33	0.002006	17.27	0.000260	1.72	0.000000	0.00	0.000017	2.46	0.000000	27.89	0.000017	61.56	0.001370	2.46	0.000001	17.37	0.014449	49.21	0.411681	1.72	0.000000	0.00	0.000002	25.02
07C1207	0.09 W		0.000792	1.87	0.000000	0.00	0.000001	11.76	0.000000	160.38	0.002931	11.75	0.000148	1.87	0.000000	0.00	0.000024	1.79	0.000000	24.85	0.000006	160.47	0.001964	1.79	0.000002	11.89	0.015251	28.95	0.234063	1.87	0.000000	0.00	0.000003	24.96
07C1208	0.09 W	✓	0.000608	1.56	0.000000	0.00	0.000002	6.06	0.000000	238.93	0.005976	6.05	0.000114	1.56	0.000000	0.00	0.000041	1.09	0.000000	22.72	0.000004	238.99	0.003423	1.08	0.000004	6.32	0.015242	18.80	0.179754	1.56	0.000000	0.00	0.000006	24.92
07C1210	0.12 W	✓	0.000449	2.54	0.000000	0.00	0.000003	3.83	0.000000	40.19	0.011178	3.81	0.000084	2.54	0.000000	0.00	0.000073	0.83	0.000000	22.23	0.000025	40.55	0.006049	0.82	0.000008	4.23	0.023089	14.84	0.132706	2.54	0.000000	0.00	0.000010	24.91
07C1211	0.18 W	✓	0.000277	3.34	0.000000	0.00	0.000005	2.10	0.000000	84.64	0.018248	2.07	0.000052	3.34	0.000000	0.00	0.000120	0.56	0.000001	22.00	0.000010	84.81	0.009940	0.55	0.000013	2.76	0.039632	7.03	0.081800	3.34	0.000000	0.00	0.000016	24.91
07C1212	0.27 W	✓	0.000160	4.69	0.000000	0.00	0.000007	1.40	0.000000	27.17	0.027324	1.35	0.000030	4.69	0.000000	0.00	0.000183	0.44	0.000001	21.94	0.000032	27.69	0.015123	0.43	0.000019	2.27	0.066104	3.47	0.047210	4.69	0.000000	0.00	0.000025	24.90
07C1215	0.35 W	✓	0.000097	9.25	0.000000	0.00	0.000008	1.83	0.000000	45.81	0.030872	1.80	0.000018	9.25	0.000000	0.00	0.000206	0.27	0.000001	21.97	0.000019	46.13	0.016981	0.25	0.000022	2.56	0.074756	3.61	0.028706	9.25	0.000000	0.00	0.000028	24.90
07C1216	0.38 W	✓	0.000091	8.77	0.000000	0.00	0.000013	1.00	0.000000	160.48	0.048621	0.93	0.000017	8.77	0.000000	0.00	0.000334	0.49	0.000002	21.92	0.000007	160.57	0.027552	0.48	0.000034	2.05	0.120158	2.01	0.026785	8.77	0.000000	0.00	0.000045	24.90
07C1217	0.44 W	✓	0.000080	13.77	0.000000	0.00	0.000017	1.05	0.000000	0.00	0.061542	0.99	0.000015	13.77	0.000000	0.00	0.000445	0.51	0.000002	21.92	0.000000	0.00	0.036706	0.50	0.000044	2.08	0.162160	2.03	0.023561	13.77	0.000000	0.00	0.000061	24.90
07C1219	0.53 W	✓	0.000058	19.13	0.000000	0.00	0.000017	0.98	0.000000	0.00	0.061701	0.90	0.000011	19.13	0.000000	0.00	0.000480	0.30	0.000002	21.92	0.000000	0.00	0.039636	0.28	0.000044	2.04	0.175192	1.90	0.017251	19.13	0.000000	0.00	0.000065	24.90
07C1220	0.65 W	✓	0.000069	16.49	0.000000	0.00	0.000020	1.05	0.000000	0.00	0.074224	0.98	0.000013	16.49	0.000000	0.00	0.000616	0.27	0.000002	21.92	0.000000	0.00	0.050857	0.25	0.000053	2.08	0.225371	1.52	0.020480	16.49	0.000000	0.00	0.000084	24.90
07C1221	0.71 W	✓	0.000072	15.10	0.000000	0.00	0.000021	1.01	0.000000	0.00	0.079431	0.94	0.000013	15.10	0.000000	0.00	0.000705	0.31	0.000003	21.92	0.000000	0.00	0.058252	0.29	0.000056	2.06	0.257223	1.26	0.021156	15.10	0.000000	0.00	0.000096	24.90
07C1222	0.80 W	✓	0.000068	11.12	0.000000	0.00	0.000020	1.09	0.000000	0.00	0.073016	1.03	0.000013	11.12	0.000000	0.00	0.000701	0.22	0.000002	21.92	0.000000	0.00	0.057919	0.20	0.000052	2.10	0.256558	0.89	0.020027	11.12	0.000000	0.00	0.000096	24.90
07C1224	0.88 W	✓	0.000072	11.01	0.000000	0.00	0.000019	1.02	0.000000	0.00	0.069637	0.95	0.000013	11.01	0.000000	0.00	0.000709	0.24	0.000002	21.92	0.000000	0.00	0.058553	0.22	0.000049	2.06	0.257825	0.93	0.021160	11.01	0.000000	0.00	0.000097	24.90
07C1225	0.94 W	✓	0.000077	13.11	0.000000	0.00	0.000017	1.33	0.000000	0.00	0.062128	1.28	0.000014	13.11	0.000000	0.00	0.000661	0.34	0.000002	21.94	0.000000	0.00	0.054570	0.32	0.000044	2.23	0.237909	1.27	0.022785	13.11	0.000000	0.00	0.000090	24.90
07C1226	0.97 W	✓	0.000080	9.95	0.000000	0.00	0.000015	1.13	0.000000	0.00	0.054514	1.07	0.000015	9.95	0.000000	0.00	0.000609	0.37	0.000002	21.93	0.000000	0.00	0.050276	0.35	0.000039	2.12	0.221664	1.08	0.023737	9.95	0.000000	0.00	0.000083	24.90
07C1228	1.09 W	✓	0.000099	7.20	0.000000	0.00	0.000018	1.05	0.000000	0.00	0.065936	0.98	0.000018	7.20	0.000000	0.00	0.000757	0.32	0.000002	21.92	0.000000	0.00	0.062504	0.31	0.000047	2.08	0.269018	0.80	0.029179	7.20	0.000000	0.00	0.000103	24.90
07C1229	1.21 W	✓	0.000116	8.05	0.000000	0.00	0.000016	1.32	0.000000	0.00	0.058663	1.26	0.000022	8.05	0.000000	0.00	0.000653	0.37	0.000002	21.94	0.000000	0.00	0.053895	0.36	0.000042	2.22	0.228497	1.22	0.034142	8.05	0.000000	0.00	0.000089	24.90
07C1230	1.24 W	✓	0.000116	8.56	0.000000	0.00	0.000013	0.99	0.000000	0.00	0.049186	0.92	0.000022	8.56	0.000000	0.00	0.000591	0.39	0.000002	21.92	0.000000	0.00	0.048780	0.37	0.000035	2.05	0.209654	1.42	0.034371	8.56	0.000000	0.00	0.000080	24.90
07C1231	1.41 W	✓	0.000123	7.62	0.000000	0.00	0.000013	1.07	0.000000	97.12	0.046517	1.01	0.000023	7.62	0.000000	0.00	0.000543	0.31	0.000001	21.92	0.000010	97.27	0.044853	0.29	0.000033	2.09	0.190816	1.47	0.036380	7.62	0.000000	0.00	0.000074	24.90
07C1233	1.59 W	✓	0.000140	6.06	0.000000	0.00	0.000018	1.11	0.000000	40.55	0.066812	1.05	0.000026	6.06	0.000000	0.00	0.000643	0.30	0.000002	21.93	0.000029	40.90	0.053071	0.28	0.000047	2.11	0.224414	1.14	0.041419	6.06	0.000000	0.00	0.000088	24.90
07C1234	1.77 W		0.000200	3.94	0.000000	0.00	0.000031	0.89	0.000000	36.12	0.113541	0.80	0.000037	3.94	0.000000	0.00	0.000781	0.50	0.000004	21.91	0.000027	36.52	0.064462	0.49	0.000081	2.00	0.270950	0.91	0.059003	3.94	0.000000	0.00	0.000106	24.90
07C1235	1.97 W		0.000245	3.96	0.000000	0.00	0.000035	0.89	0.000000	32.11	0.131026	0.81	0.000046	3.96	0.000000	0.00	0.000886	0.28	0.000004	21.92	0.000029	32.56	0.073134	0.26	0.000093	2.00	0.307166	0.96	0.072543	3.96	0.000000	0.00	0.000121	24.90
07C1237	2.39 W		0.000290	3.69	0.000000	0.00	0.000056	0.85	0.000000	33.15	0.208674	0.77	0.000054	3.69	0.000000	0.00	0.001103	0.29	0.000007	21.91	0.000052	33.58	0.091044	0.27	0.000148	1.99	0.384735	0.84	0.085657	3.69	0.000000	0.00	0.000150	24.90
07C1238	2.83 W		0.000389	2.85	0.000000	0.00	0.000074	0.85	0.000000	19.37	0.275360	0.77	0.000073	2.85	0.000000	0.00	0.001137	0.26	0.000009	21.91	0.000071	20.10	0.093923	0.24	0.000195	1.98	0.394179	0.84	0.114975	2.85	0.000000	0.00	0.000155	24.90
07C1239	3.18 W		0.000482	2.91	0.000000	0.00	0.000084	0.90	0.000000	24.70	0.312153	0.82	0.000090	2.91	0.000000	0.00	0.001017	0.25	0.000010	21.92	0.000054	25.28	0.083994	0.23	0.000221	2.00	0.350765	1.19	0.142294	2.91	0.000000	0.00	0.000139	24.90
07C1241	4.04 W		0.000583	2.08	0.000000	0.00	0.000104	0.88	0.000000	16.21	0.386978	0.80	0.000109	2.08	0.000000	0.00	0.001032	0.32	0.000012	21.91	0.000086	17.08	0.085227	0.30	0.000274	2.00	0.357259	1.02	0.172344	2.08	0.000000	0.00	0.000141	24.90
07C1242	4.54 W		0.000949	1.84	0.000000	0.00	0.000085	0.89	0.000000	27.19	0.314392	0.81	0.000177	1.84	0.000000	0.00	0.000735	0.27	0.000010	21.92	0.000036	27.72	0.060660	0.25	0.000223	2.00	0.262230	1.98	0.280415	1.84	0.000000	0.00	0.000100	24.90
		Σ	0.015432	0.51	0.000000	0.00	0.000730	0.25	0.000000	9.20	2.714387	0.23	0.002884	0.51	0.000000	0.00	0.015816	0.07	0.000087	6.01	0.000546	9.34	1.305947	0.07	0.001925	0.55	5.665639	0.42	4.560282	0.51	0.000000	0.00	0.002155	5.44
		Σ							0.016163	0.49	2.714387	0.23									0.019332	0.28			1.307871	0.07							10.228075	0.32

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)
07C1203	0.00 W		75.579854	40.56826	1.252095	0.00165	3774.708796	371.49681	1.826731	0.99678	12.519034	1.23922	181.056	35.82661432	1.00127923	1.267E-19
07C1204	0.01 W		31.571288	9.17233	0.945979	0.00096	1053.021442	40.31079	1.327096	0.36585	3.457143	0.13577	181.074	35.83890197	1.00127936	9.573E-20
07C1206	0.03 W		10.549269	5.19812	0.426130	0.00060	310.799117	7.65730	1.463050	0.25521	1.016503	0.03051	181.110	35.86447378	1.00127961	4.312E-20
07C1207	0.09 W		7.763325	2.25168	0.249314	0.00057	126.778246	2.28484	1.490454	0.17716	0.403182	0.01043	181.128	35.87775865	1.00127974	2.523E-20
07C1208	0.09 W	✓	4.453295	0.83878	0.194996	0.00055	56.903351	0.63629	1.743768	0.10709	0.177979	0.00338	181.147	35.89055614	1.00127987	1.973E-20
07C1210	0.12 W	✓	3.816856	0.56732	0.155795	0.00058	25.722953	0.23271	1.845527	0.07195	0.074642	0.00198	181.183	35.91665746	1.00128013	1.577E-20
07C1211	0.18 W	✓	3.987121	0.28123	0.121432	0.00056	12.202146	0.08771	1.833420	0.03926	0.028306	0.00094	181.202	35.92996166	1.00128026	1.229E-20
07C1212	0.27 W	✓	4.371180	0.15276	0.113314	0.00060	7.485007	0.05096	1.804511	0.02558	0.011037	0.00050	181.220	35.94277777	1.00128039	1.147E-20
07C1215	0.35 W	✓	4.402228	0.15911	0.103462	0.00046	6.086462	0.03129	1.815643	0.03294	0.006202	0.00053	181.719	36.29900936	1.00128392	1.047E-20
07C1216	0.38 W	✓	4.361059	0.09000	0.146943	0.00055	5.328179	0.03227	1.762469	0.01844	0.003760	0.00029	181.738	36.31195711	1.00128405	1.488E-20
07C1217	0.44 W	✓	4.417837	0.09214	0.185721	0.00051	5.055369	0.02870	1.674631	0.01848	0.002620	0.00030	181.756	36.32490947	1.00128417	1.880E-20
07C1219	0.53 W	✓	4.420081	0.08504	0.192443	0.00048	4.851614	0.01808	1.554993	0.01472	0.001890	0.00028	181.791	36.35032945	1.00128442	1.948E-20
07C1220	0.65 W	✓	4.431463	0.06814	0.245851	0.00054	4.830803	0.01602	1.457962	0.01474	0.001754	0.00022	181.809	36.36329551	1.00128455	2.489E-20
07C1221	0.71 W	✓	4.415677	0.05700	0.278379	0.00051	4.775892	0.01639	1.362259	0.01340	0.001594	0.00019	181.827	36.37626618	1.00128468	2.818E-20
07C1222	0.80 W	✓	4.429562	0.04023	0.276585	0.00046	4.772717	0.01233	1.259521	0.01318	0.001508	0.00013	181.844	36.38874235	1.00128480	2.800E-20
07C1224	0.88 W	✓	4.403310	0.04220	0.278985	0.00061	4.762324	0.01465	1.188309	0.01158	0.001542	0.00013	181.881	36.41470648	1.00128506	2.824E-20
07C1225	0.94 W	✓	4.359744	0.05711	0.260694	0.00044	4.775079	0.01741	1.137594	0.01501	0.001718	0.00019	181.899	36.42769550	1.00128518	2.639E-20
07C1226	0.97 W	✓	4.408937	0.05029	0.245401	0.00045	4.878962	0.01941	1.083464	0.01221	0.001888	0.00016	181.917	36.44118899	1.00128532	2.484E-20
07C1228	1.09 W	✓	4.304018	0.03684	0.298197	0.00045	4.768931	0.01635	1.054115	0.01087	0.001862	0.00011	181.953	36.46669035	1.00128557	3.019E-20
07C1229	1.21 W	✓	4.239642	0.05398	0.262639	0.00049	4.871016	0.01967	1.087630	0.01427	0.002435	0.00017	181.971	36.47969790	1.00128569	2.659E-20
07C1230	1.24 W	✓	4.297937	0.06315	0.244026	0.00047	5.000631	0.02107	1.007601	0.01002	0.002654	0.00020	181.989	36.49271010	1.00128582	2.470E-20
07C1231	1.41 W	✓	4.254227	0.06390	0.227196	0.00047	5.063241	0.01812	1.036335	0.01086	0.003022	0.00021	182.007	36.50572694	1.00128595	2.300E-20
07C1233	1.59 W	✓	4.228563	0.04961	0.265834	0.00048	5.006196	0.01678	1.257795	0.01368	0.002977	0.00016	182.042	36.53127345	1.00128620	2.691E-20
07C1234	1.77 W		4.203272	0.04336	0.329953	0.00079	5.113851	0.02803	1.759174	0.01659	0.003567	0.00012	182.061	36.54480532	1.00128633	3.340E-20
07C1235	1.97 W		4.200021	0.04164	0.379709	0.00061	5.186988	0.01588	1.789309	0.01531	0.003834	0.00013	182.080	36.55834219	1.00128646	3.844E-20
07C1237	2.39 W		4.225807	0.03718	0.470392	0.00060	5.159897	0.01541	2.288287	0.01868	0.003794	0.00012	182.117	36.58543099	1.00128673	4.762E-20
07C1238	2.83 W		4.196840	0.03672	0.509154	0.00049	5.411392	0.01398	2.925696	0.02349	0.004921	0.00012	182.135	36.59848090	1.00128686	5.154E-20
07C1239	3.18 W		4.176069	0.05069	0.493059	0.00053	5.856385	0.01475	3.706606	0.03142	0.006715	0.00017	182.154	36.61203765	1.00128699	4.991E-20
07C1241	4.04 W		4.191856	0.04453	0.529602	0.00063	6.195736	0.02003	4.525991	0.03872	0.008039	0.00014	182.192	36.63916624	1.00128725	5.361E-20
07C1242	4.54 W		4.322956	0.08607	0.542644	0.00058	8.914587	0.02408	5.163899	0.04398	0.016976	0.00029	182.210	36.65223532	1.00128738	5.493E-20

Procedure Blanks		36Ar	1σ	37Ar	1σ	38Ar	1σ	39Ar	1σ	40Ar	1σ
07C1203	0.00 W	0.000062	0.000007	0.000019	0.000006	0.000013	0.000006	0.000023	0.000032	0.017204	0.000544
07C1204	0.01 W	0.000053	0.000007	0.000019	0.000006	0.000014	0.000006	0.000025	0.000032	0.015064	0.000542
07C1206	0.03 W	0.000040	0.000007	0.000019	0.000006	0.000014	0.000006	0.000042	0.000032	0.011803	0.000541
07C1207	0.09 W	0.000036	0.000007	0.000019	0.000006	0.000014	0.000006	0.000058	0.000032	0.010744	0.000541
07C1208	0.09 W	0.000033	0.000007	0.000019	0.000006	0.000014	0.000006	0.000078	0.000032	0.010134	0.000541
07C1210	0.12 W	0.000034	0.000007	0.000019	0.000006	0.000014	0.000006	0.000132	0.000032	0.010135	0.000542
07C1211	0.18 W	0.000036	0.000007	0.000019	0.000006	0.000014	0.000006	0.000167	0.000032	0.010778	0.000543
07C1212	0.27 W	0.000041	0.000007	0.000019	0.000006	0.000014	0.000006	0.000205	0.000032	0.011806	0.000545
07C1215	0.35 W	0.000023	0.000007	0.000012	0.000004	0.000001	0.000006	0.000027	0.000017	0.006515	0.000434
07C1216	0.38 W	0.000024	0.000007	0.000012	0.000004	0.000001	0.000006	0.000034	0.000016	0.007031	0.000429
07C1217	0.44 W	0.000025	0.000007	0.000012	0.000004	0.000005	0.000006	0.000038	0.000016	0.007529	0.000425
07C1219	0.53 W	0.000027	0.000007	0.000012	0.000004	0.000010	0.000006	0.000041	0.000016	0.008421	0.000418
07C1220	0.65 W	0.000028	0.000007	0.000012	0.000004	0.000012	0.000006	0.000040	0.000016	0.008819	0.000415
07C1221	0.71 W	0.000029	0.000007	0.000012	0.000004	0.000013	0.000006	0.000039	0.000016	0.009174	0.000412
07C1222	0.80 W	0.000030	0.000007	0.000013	0.000004	0.000014	0.000006	0.000038	0.000016	0.009473	0.000410
07C1224	0.88 W	0.000031	0.000007	0.000013	0.000004	0.000014	0.000006	0.000035	0.000016	0.009965	0.000407
07C1225	0.94 W	0.000032	0.000007	0.000013	0.000004	0.000013	0.000006	0.000035	0.000015	0.010150	0.000405
07C1226	0.97 W	0.000032	0.000007	0.000013	0.000004	0.000011	0.000006	0.000036	0.000015	0.010307	0.000405
07C1228	1.09 W	0.000033	0.000007	0.000013	0.000004	0.000008	0.000006	0.000041	0.000015	0.010537	0.000405
07C1229	1.21 W	0.000033	0.000007	0.000013	0.000004	0.000006	0.000006	0.000045	0.000015	0.010642	0.000405
07C1230	1.24 W	0.000034	0.000007	0.000013	0.000004	0.000004	0.000006	0.000050	0.000016	0.010754	0.000406
07C1231	1.41 W	0.000034	0.000007	0.000013	0.000004	0.000002	0.000006	0.000056	0.000016	0.010890	0.000407
07C1233	1.59 W	0.000036	0.000007	0.000013	0.000004	0.000002	0.000006	0.000071	0.000016	0.011290	0.000411
07C1234	1.77 W	0.000038	0.000007	0.000014	0.000004	0.000002	0.000006	0.000079	0.000016	0.011614	0.000414
07C1235	1.97 W	0.000040	0.000007	0.000015	0.000004	0.000002	0.000006	0.000087	0.000016	0.012048	0.000417
07C1237	2.39 W	0.000046	0.000007	0.000018	0.000004	0.000004	0.000006	0.000102	0.000016	0.013358	0.000424
07C1238	2.83 W	0.000050	0.000007	0.000020	0.000004	0.000008	0.000006	0.000108	0.000016	0.014257	0.000428
07C1239	3.18 W	0.000055	0.000007	0.000023	0.000004	0.000014	0.000006	0.000111	0.000017	0.015417	0.000433
07C1241	4.04 W	0.000068	0.000007	0.000032	0.000004	0.000034	0.000006	0.000109	0.000017	0.018577	0.000443
07C1242	4.54 W	0.000077	0.000007	0.000038	0.000004	0.000047	0.000006	0.000102	0.000017	0.020571	0.000449

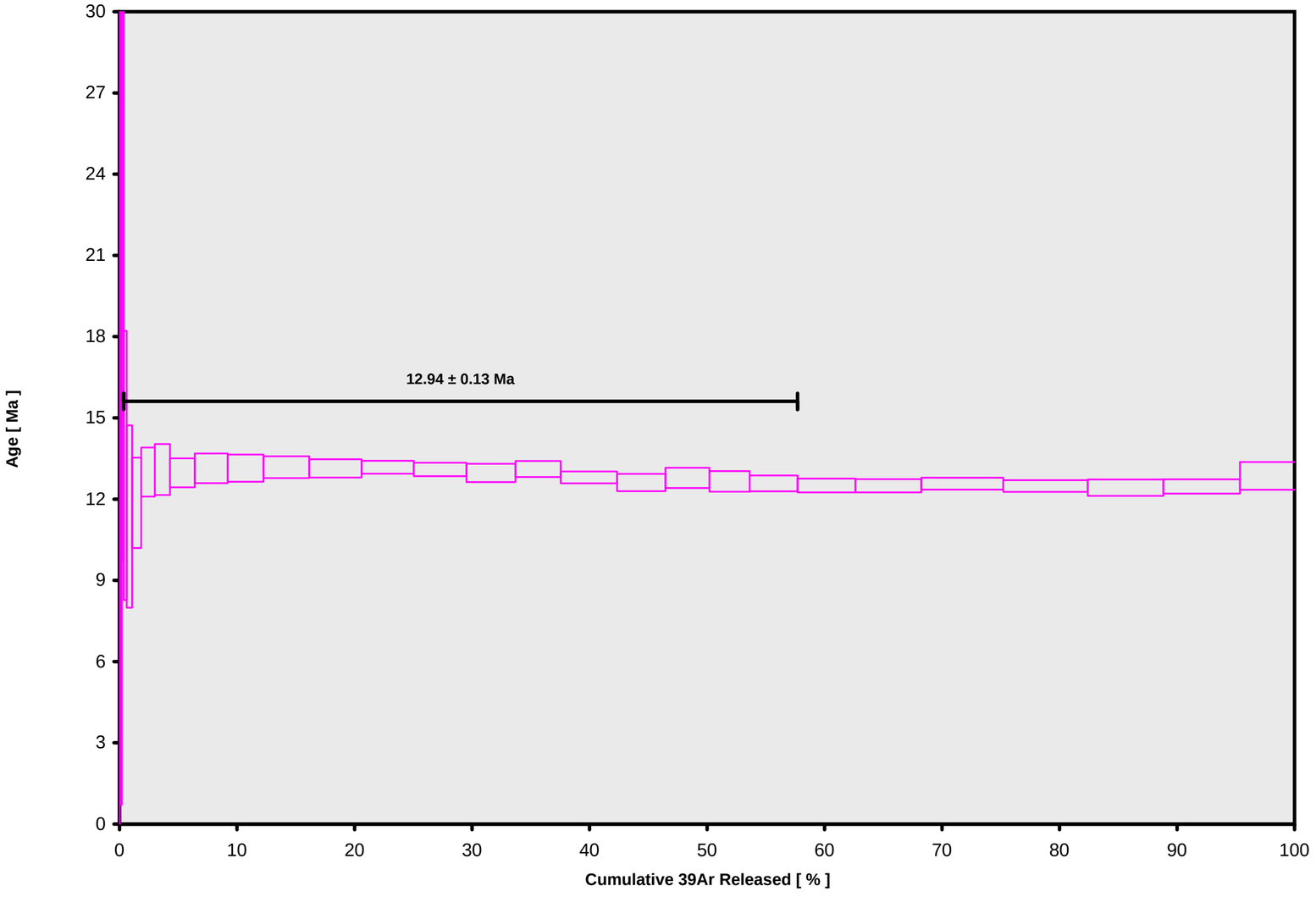
Intercept Values		36Ar	1σ	r2		37Ar	1σ	r2		38Ar	1σ	r2		39Ar	1σ	r2		40Ar	1σ	r2	
07C1203	0.00 W	0.004210	0.000035	0.8216	LIN # 1	0.000035	0.000006	0.9391	LIN #	0.000800	0.000013	0.2830	LIN #	0.000350	0.000007	0.9998	LIN #	1.249311	0.001535	0.9895	LIN #
07C1204	0.01 W	0.003155	0.000018	0.8304	LIN #	0.000052	0.000006	0.9357	LIN #	0.000618	0.000008	0.2989	LIN #	0.000911	0.000013	0.9991	LIN #	0.945910	0.000777	0.9966	LIN # 7 8
07C1206	0.03 W	0.001432	0.000021	0.3645	LIN #	0.000074	0.000007	0.7729	LIN #	0.000305	0.000007	0.2224	LIN #	0.001394	0.000011	0.9978	LIN #	0.431038	0.000262	0.9970	LIN #
07C1207	0.09 W	0.000828	0.000012	0.0404	LIN #	0.000100	0.000007	0.7821	LIN #	0.000190	0.000007	0.4740	LIN #	0.001998	0.000015	0.9930	LIN # 1	0.256016	0.000176	0.9964	LIN # 1 2 7
07C1208	0.09 W	0.000642	0.000006	0.4987	LIN #	0.000184	0.000008	0.4794	LIN #	0.000172	0.000008	0.3229	LIN #	0.003458	0.000018	0.9833	LIN # 1	0.201945	0.000099	0.9925	LIN #
07C1210	0.12 W	0.000485	0.000009	0.0242	LIN #	0.000329	0.000010	0.1385	LIN #	0.000196	0.000008	0.0343	LIN #	0.006108	0.000037	0.8409	LIN # 2	0.163375	0.000215	0.8704	LIN #
07C1211	0.18 W	0.000317	0.000006	0.0039	LIN #	0.000524	0.000008	0.0008	LIN #	0.000195	0.000005	0.2371	LIN #	0.009988	0.000041	0.2012	LIN # 1	0.130182	0.000150	0.9115	LIN # 1 2 3 4
07C1212	0.27 W	0.000207	0.000003	0.7165	LIN #	0.000776	0.000006	0.2900	LIN #	0.000258	0.000006	0.4818	LIN #	0.015145	0.000051	0.8614	LIN # 1 2	0.123199	0.000240	0.1500	LIN # 1 2
07C1215	0.35 W	0.000128	0.000005	0.6134	LIN #	0.000860	0.000013	0.1546	LIN #	0.000243	0.000006	0.0465	LIN #	0.016824	0.000028	0.9748	LIN # 1	0.108400	0.000162	0.7682	LIN # 1
07C1216	0.38 W	0.000127	0.000004	0.4957	LIN #	0.001346	0.000007	0.7697	LIN #	0.000358	0.000010	0.0038	LIN #	0.027281	0.000121	0.8616	LIN # 1	0.151743	0.000337	0.8902	LIN # 1 3
07C1217	0.44 W	0.000121	0.000008	0.2764	LIN #	0.001700	0.000011	0.5560	LIN #	0.000453	0.000008	0.0181	LIN #	0.036334	0.000170	0.8598	LIN # 1 3	0.190454	0.000280	0.9627	LIN # 1 2
07C1219	0.53 W	0.000102	0.000009	0.3145	LIN # 3	0.001703	0.000009	0.8500	LIN # 3	0.000473	0.000009	0.0103	LIN # 3	0.039226	0.000088	0.9788	LIN # 1 7 10	0.197940	0.000223	0.9745	LIN # 1 9
07C1220	0.65 W	0.000117	0.000009	0.1940	LIN #	0.002045	0.000013	0.7316	LIN #	0.000607	0.000008	0.0090	LIN #	0.050312	0.000094	0.9828	LIN # 1 3	0.250939	0.000345	0.9809	LIN # 1 2
07C1221	0.71 W	0.000122	0.000008	0.3909	LIN #	0.002188	0.000013	0.8465	LIN #	0.000692	0.000016	0.0039	LIN #	0.057617	0.000139	0.9739	LIN # 1	0.283342	0.000295	0.9886	LIN # 1 2
07C1222	0.80 W	0.000117	0.000003	0.7606	LIN #	0.002011	0.000014	0.6923	LIN #	0.000687	0.000011	0.0198	LIN #	0.057265	0.000066	0.9930	LIN # 1 6	0.281786	0.000196	0.9933	LIN # 1 8
07C1224	0.88 W	0.000121	0.000004	0.5576	LIN #	0.001917	0.000011	0.6959	LIN #	0.000714	0.000012	0.1501	LIN #	0.057886	0.000084	0.9907	LIN # 1 6 9	0.284634	0.000446	0.9787	LIN # 1 2
07C1225	0.94 W	0.000125	0.000008	0.3138	LIN #	0.001711	0.000018	0.5128	LIN #	0.000650	0.000010	0.0076	LIN #	0.053943	0.000151	0.9703	LIN # 1 4	0.266772	0.000169	0.9950	LIN # 1
07C1226	0.97 W	0.000126	0.000004	0.3668	LIN #	0.001502	0.000011	0.5332	LIN #	0.000613	0.000009	0.0108	LIN #	0.049700	0.000156	0.9026	LIN #	0.251862	0.000185	0.9918	LIN # 1
07C1228	1.09 W	0.000149	0.000002	0.0506	LIN #	0.001813	0.000012	0.7870	LIN #	0.000761	0.000008	0.2020	LIN #	0.061783	0.000162	0.9697	LIN # 1	0.304093	0.000192	0.9957	LIN # 1 7
07C1229	1.21 W	0.000164	0.000006	0.0022	LIN #	0.001614	0.000016	0.4358	LIN #	0.000675	0.000010	0.2878	LIN #	0.053279	0.000170	0.9421	LIN #	0.269144	0.000278	0.9823	LIN #
07C1230	1.24 W	0.000163	0.000007	0.0216	LIN #	0.001354	0.000007	0.7837	LIN #	0.000605	0.000007	0.0215	LIN #	0.048224	0.000163	0.8753	LIN #	0.250896	0.000234	0.9797	LIN #
07C1231	1.41 W	0.000169	0.000007	0.0796	LIN #	0.001281	0.000008	0.6603	LIN #	0.000575	0.000007	0.3355	LIN #	0.044349	0.000107	0.9758	LIN # 1	0.234432	0.000231	0.9927	LIN # 1 2
07C1233	1.59 W	0.000194	0.000005	0.0846	LIN #	0.001834	0.000014	0.8167	LIN #	0.000696	0.000010	0.3568	LIN #	0.052487	0.000121	0.9611	LIN # 9	0.272872	0.000250	0.9860	LIN #
07C1234	1.77 W	0.000267	0.000004	0.0214	LIN #	0.003106	0.000011	0.9108	LIN #	0.000844	0.000006	0.0559	LIN #	0.063768	0.000297	0.8504	LIN #	0.336326	0.000664	0.9509	LIN # 1 10
07C1235	1.97 W	0.000320	0.000007	0.1731	LIN #	0.003582	0.000014	0.9286	LIN #	0.000959	0.000006	0.4716	LIN #	0.072346	0.000148	0.9860	LIN # 1 5	0.385745	0.000434	0.9849	LIN #
07C1237	2.39 W	0.000391	0.000008	0.3268	LIN #	0.005695	0.000018	0.9592	LIN #	0.001209	0.000015	0.1293	LIN #	0.090080	0.000195	0.9773	LIN # 1	0.476280	0.000414	0.9944	LIN #
07C1238	2.83 W	0.000512	0.000008	0.0578	LIN #	0.007510	0.000023	0.9599	LIN #	0.001288	0.000011	0.3530	LIN #	0.092981	0.000166	0.9842	LIN # 1	0.515371	0.000227	0.9983	LIN #
07C1239	3.18 W	0.000619	0.000012	0.0734	LIN #	0.008511	0.000035	0.9515	LIN #	0.001175	0.000010	0.2735	LIN #	0.083221	0.000135	0.9890	LIN # 1	0.500703	0.000292	0.9971	LIN #
07C1241	4.04 W	0.000754	0.000009	0.1612	LIN #	0.010549	0.000041	0.9671	LIN #	0.001262	0.000010	0.6892	LIN #	0.084504	0.000214	0.9595	LIN #	0.539897	0.000443	0.9954	LIN #
07C1242	4.54 W	0.001109	0.000014	0.1100	LIN #	0.008578	0.000035	0.9312	LIN #	0.000997	0.000006	0.4752	LIN #	0.060190	0.000113	0.9832	LIN # 1	0.554608	0.000369	0.9966	LIN #

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
07C1203	0.00 W	FAV-1 3E10-06	Groundmass 125-300µm	Fa'avevesi, Samoa	Anthony Koppers	0	28.03	0.01	0.0016507	0.31	1.00378	0.16	1.016	1.012E-19	26	MAR	2007	15	49	001	OSU3E06	Samoa	07C1203	01	FCT-3
07C1204	0.01 W	FAV-1 3E10-07	Groundmass 125-300µm	Fa'avevesi, Samoa	Anthony Koppers	0.01	28.03	0.01	0.0016507	0.31	1.00378	0.16	1.016	1.012E-19	26	MAR	2007	16	14	001	OSU3E06	Samoa	07C1203	01	FCT-3
07C1206	0.03 W	FAV-1 3E10-08	Groundmass 125-300µm	Fa'avevesi, Samoa	Anthony Koppers	0.03	28.03	0.01	0.0016507	0.31	1.00378	0.16	1.016	1.012E-19	26	MAR	2007	17	06	001	OSU3E06	Samoa	07C1203	01	FCT-3
07C1207	0.09 W	FAV-1 3E10-09	Groundmass 125-300µm	Fa'avevesi, Samoa	Anthony Koppers	0.09	28.03	0.01	0.0016507	0.31	1.00378	0.16	1.0158	1.012E-19	26	MAR	2007	17	33	001	OSU3E06	Samoa	07C1203	01	FCT-3
07C1208	0.09 W	FAV-1 3E10-10	Groundmass 125-300µm	Fa'avevesi, Samoa	Anthony Koppers	0.09	28.03	0.01	0.0016507	0.31	1.00378	0.16	1.0158	1.012E-19	26	MAR	2007	17	59	001	OSU3E06	Samoa	07C1203	01	FCT-3
07C1210	0.12 W	FAV-1 3E10-11	Groundmass 125-300µm	Fa'avevesi, Samoa	Anthony Koppers	0.12	28.03	0.01	0.0016507	0.31	1.00378	0.16	1.0157	1.012E-19	26	MAR	2007	18	52	001	OSU3E06	Samoa	07C1203	01	FCT-3
07C1211	0.18 W	FAV-1 3E10-12	Groundmass 125-300µm	Fa'avevesi, Samoa	Anthony Koppers	0.18	28.03	0.01	0.0016507	0.31	1.00378	0.16	1.0157	1.012E-19	26	MAR	2007	19	19	001	OSU3E06	Samoa	07C1203	01	FCT-3
07C1212	0.27 W	FAV-1 3E10-13	Groundmass 125-300µm	Fa'avevesi, Samoa	Anthony Koppers	0.27	28.03	0.01	0.0016507	0.31	1.00378	0.16	1.0158	1.012E-19	26	MAR	2007	19	45	001	OSU3E06	Samoa	07C1203	01	FCT-3
07C1215	0.35 W	FAV-1 3E10-14	Groundmass 125-300µm	Fa'avevesi, Samoa	Anthony Koppers	0.35	28.03	0.01	0.0016507	0.31	1.00378	0.16	1.0148	1.012E-19	27	MAR	2007	07	44	001	OSU3E06	Samoa	07C1203	01	FCT-3
07C1216	0.38 W	FAV-1 3E10-15	Groundmass 125-300µm	Fa'avevesi, Samoa	Anthony Koppers	0.38	28.03	0.01	0.0016507	0.31	1.00378	0.16	1.015	1.012E-19	27	MAR	2007	08	10	001	OSU3E06	Samoa	07C1203	01	FCT-3
07C1217	0.44 W	FAV-1 3E10-16	Groundmass 125-300µm	Fa'avevesi, Samoa	Anthony Koppers	0.44	28.03	0.01	0.0016507	0.31	1.00378	0.16	1.015	1.012E-19	27	MAR	2007	08	36	001	OSU3E06	Samoa	07C1203	01	FCT-3
07C1219	0.53 W	FAV-1 3E10-17	Groundmass 125-300µm	Fa'avevesi, Samoa	Anthony Koppers	0.53	28.03	0.01	0.0016507	0.31	1.00378	0.16	1.0151	1.012E-19	27	MAR	2007	09	27	001	OSU3E06	Samoa	07C1203	01	FCT-3
07C1220	0.65 W	FAV-1 3E10-18	Groundmass 125-300µm	Fa'avevesi, Samoa	Anthony Koppers	0.65	28.03	0.01	0.0016507	0.31	1.00378	0.16	1.0152	1.012E-19	27	MAR	2007	09	53	001	OSU3E06	Samoa	07C1203	01	FCT-3
07C1221	0.71 W	FAV-1 3E10-19	Groundmass 125-300µm	Fa'avevesi, Samoa	Anthony Koppers	0.71	28.03	0.01	0.0016507	0.31	1.00378	0.16	1.0152	1.012E-19	27	MAR	2007	10	19	001	OSU3E06	Samoa	07C1203	01	FCT-3
07C1222	0.80 W	FAV-1 3E10-20	Groundmass 125-300µm	Fa'avevesi, Samoa	Anthony Koppers	0.8	28.03	0.01	0.0016507	0.31	1.00378	0.16	1.0155	1.012E-19	27	MAR	2007	10	44	001	OSU3E06	Samoa	07C1203	01	FCT-3
07C1224	0.88 W	FAV-1 3E10-21	Groundmass 125-300µm	Fa'avevesi, Samoa	Anthony Koppers	0.88	28.03	0.01	0.0016507	0.31	1.00378	0.16	1.0155	1.012E-19	27	MAR	2007	11	36	001	OSU3E06	Samoa	07C1203	01	FCT-3
07C1225	0.94 W	FAV-1 3E10-22	Groundmass 125-300µm	Fa'avevesi, Samoa	Anthony Koppers	0.94	28.03	0.01	0.0016507	0.31	1.00378	0.16	1.0156	1.012E-19	27	MAR	2007	12	02	001	OSU3E06	Samoa	07C1203	01	FCT-3
07C1226	0.97 W	FAV-1 3E10-23	Groundmass 125-300µm	Fa'avevesi, Samoa	Anthony Koppers	0.97	28.03	0.01	0.0016507	0.31	1.00378	0.16	1.0156	1.012E-19	27	MAR	2007	12	29	001	OSU3E06	Samoa	07C1203	01	FCT-3
07C1228	1.09 W	FAV-1 3E10-24	Groundmass 125-300µm	Fa'avevesi, Samoa	Anthony Koppers	1.09	28.03	0.01	0.0016507	0.31	1.00378	0.16	1.0156	1.012E-19	27	MAR	2007	13	20	001	OSU3E06	Samoa	07C1203	01	FCT-3
07C1229	1.21 W	FAV-1 3E10-25	Groundmass 125-300µm	Fa'avevesi, Samoa	Anthony Koppers	1.21	28.03	0.01	0.0016507	0.31	1.00378	0.16	1.0157	1.012E-19	27	MAR	2007	13	46	001	OSU3E06	Samoa	07C1203	01	FCT-3
07C1230	1.24 W	FAV-1 3E10-26	Groundmass 125-300µm	Fa'avevesi, Samoa	Anthony Koppers	1.24	28.03	0.01	0.0016507	0.31	1.00378	0.16	1.0158	1.012E-19	27	MAR	2007	14	12	001	OSU3E06	Samoa	07C1203	01	FCT-3
07C1231	1.41 W	FAV-1 3E10-27	Groundmass 125-300µm	Fa'avevesi, Samoa	Anthony Koppers	1.41	28.03	0.01	0.0016507	0.31	1.00378	0.16	1.0159	1.012E-19	27	MAR	2007	14	38	001	OSU3E06	Samoa	07C1203	01	FCT-3
07C1233	1.59 W	FAV-1 3E10-28	Groundmass 125-300µm	Fa'avevesi, Samoa	Anthony Koppers	1.59	28.03	0.01	0.0016507	0.31	1.00378	0.16	1.0159	1.012E-19	27	MAR	2007	15	29	001	OSU3E06	Samoa	07C1203	01	FCT-3
07C1234	1.77 W	FAV-1 3E10-29	Groundmass 125-300µm	Fa'avevesi, Samoa	Anthony Koppers	1.77	28.03	0.01	0.0016507	0.31	1.00378	0.16	1.0159	1.012E-19	27	MAR	2007	15	56	001	OSU3E06	Samoa	07C1203	01	FCT-3
07C1235	1.97 W	FAV-1 3E10-30	Groundmass 125-300µm	Fa'avevesi, Samoa	Anthony Koppers	1.97	28.03	0.01	0.0016507	0.31	1.00378	0.16	1.0159	1.012E-19	27	MAR	2007	16	23	001	OSU3E06	Samoa	07C1203	01	FCT-3
07C1237	2.39 W	FAV-1 3E10-31	Groundmass 125-300µm	Fa'avevesi, Samoa	Anthony Koppers	2.39	28.03	0.01	0.0016507	0.31	1.00378	0.16	1.016	1.012E-19	27	MAR	2007	17	17	001	OSU3E06	Samoa	07C1203	01	FCT-3
07C1238	2.83 W	FAV-1 3E10-32	Groundmass 125-300µm	Fa'avevesi, Samoa	Anthony Koppers	2.83	28.03	0.01	0.0016507	0.31	1.00378	0.16	1.0159	1.012E-19	27	MAR	2007	17	43	001	OSU3E06	Samoa	07C1203	01	FCT-3
07C1239	3.18 W	FAV-1 3E10-33	Groundmass 125-300µm	Fa'avevesi, Samoa	Anthony Koppers	3.18	28.03	0.01	0.0016507	0.31	1.00378	0.16	1.0158	1.012E-19	27	MAR	2007	18	10	001	OSU3E06	Samoa	07C1203	01	FCT-3
07C1241	4.04 W	FAV-1 3E10-34	Groundmass 125-300µm	Fa'avevesi, Samoa	Anthony Koppers	4.04	28.03	0.01	0.0016507	0.31	1.00378	0.16	1.0156	1.012E-19	27	MAR	2007	19	04	001	OSU3E06	Samoa	07C1203	01	FCT-3
07C1242	4.54 W	FAV-1 3E10-35	Groundmass 125-300µm	Fa'avevesi, Samoa	Anthony Koppers	4.54	28.03	0.01	0.0016507	0.31	1.00378	0.16	1.0157	1.012E-19	27	MAR	2007	19	30	001	OSU3E06	Samoa	07C1203	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
07C1203	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
07C1204	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
07C1206	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
07C1207	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
07C1208	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
07C1210	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
07C1211	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
07C1212	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
07C1215	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
07C1216	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
07C1217	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
07C1219	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
07C1220	0.65 W	295.5	0	0.018	35	0.1869	0	1.493	3	0.000709	1.83	0.000032	21.9	0.000269	0.37	0.00165	24.9	0.01211	0.1	0	0	0.43	2	0	0	0	0
07C1221	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
07C1222	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
07C1224	0.88 W	295.5	0	0.018	35	0.1869	0	1.493	3	0.000709	1.83	0.000032	21.9	0.000269	0.37	0.00165	24.9	0.01211	0.1	0	0	0.43	2	0	0	0	0
07C1225	0.94 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
07C1226	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
07C1228	1.09 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
07C1229	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
07C1230	1.24 W	295.5	0	0.018	35	0.1869	0	1.493	3	0.000709	1.83	0.000032	21.9	0.000269	0.37	0.00165	24.9	0.01211	0.1	0	0	0.43	2	0	0	0	0
07C1231	1.41 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
07C1233	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
07C1234	1.77 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
07C1235	1.97 W	295.5	0	0.018	35	0.1869	0	1.493	3	0.000709	1.83	0.000032	21.9	0.000269	0.37	0.00165	24.9	0.01211	0.1	0	0	0.43	2	0	0	0	0
07C1237	2.39 W	295.5	0	0.018	35	0.1869	0	1.493	3	0.000709	1.83	0.000032	21.9	0.000269	0.37	0.00165	24.9	0.01211	0.1	0	0	0.43	2	0	0	0	0
07C1238	2.83 W	295.5	0	0.018	35	0.1869	0	1.493	3	0.000709	1.83	0.000032	21.9	0.000269	0.37	0.00165	24.9	0.01211	0.1	0	0	0.43	2	0	0	0	0
07C1239	3.18 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
07C1241	4.04 W	295.5	0	0.018	35	0.1869	0	1.493	3	0.000709	1.83	0.000032	21.9	0.000269	0.37	0.00165	24.9	0.01211	0.1	0	0	0.43	2	0	0	0	0
07C1242	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

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

07C1203.AGE >>> FAV-1 3E10-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
12.94 ± 0.13
TOTAL FUSION
12.90 ± 0.13
NORMAL ISOCHRON
12.95 ± 0.15
INVERSE ISOCHRON
12.96 ± 0.14

MSWD (PROBABILITY)
1.57 (6%)

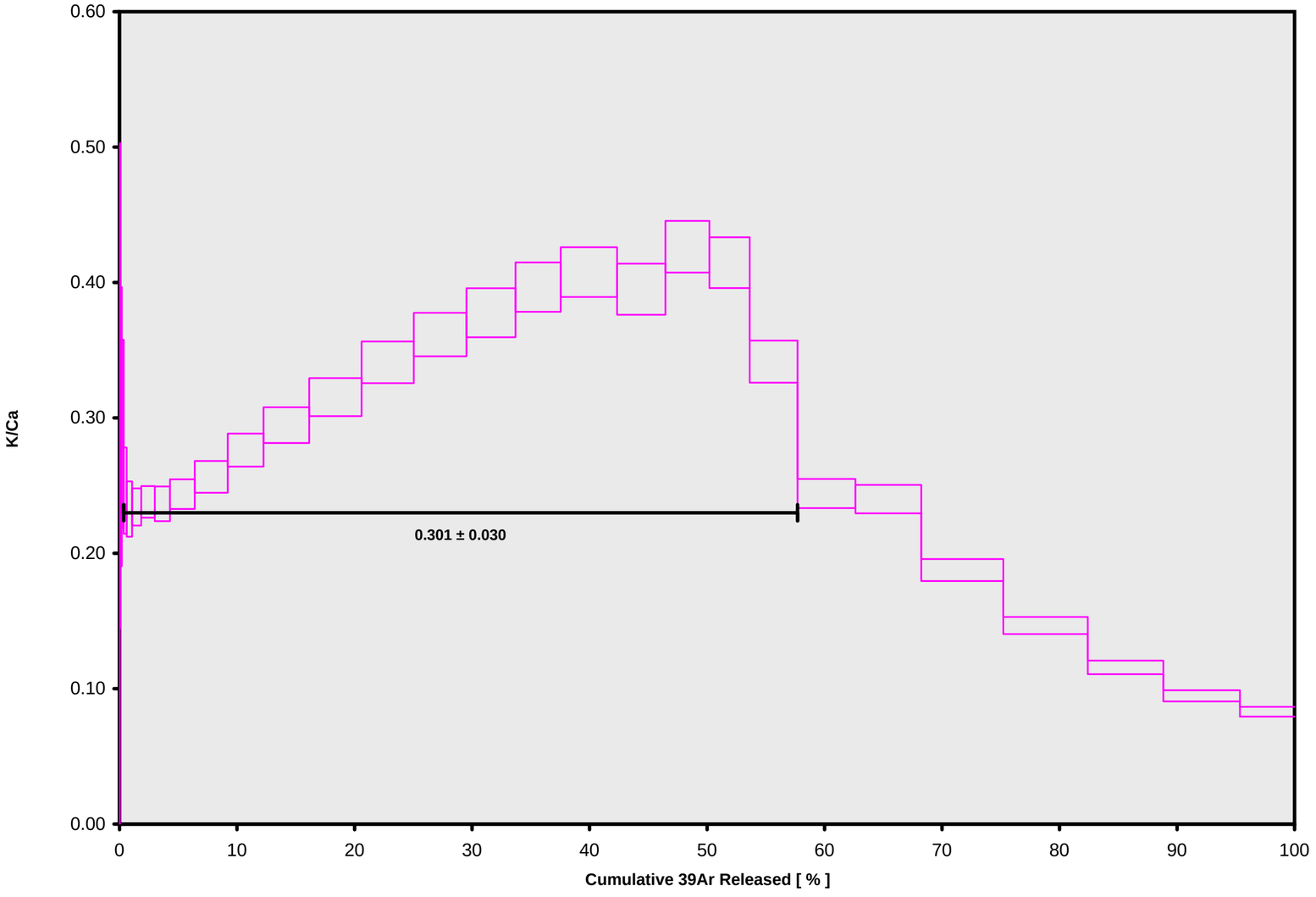
Sample Info

Groundmass 125-300µm
Fa'avevesi, Samoa
Anthony Koppers

IRR = OSU3E06
J = 0.00165070 ± 0.00000512

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

07C1203.AGE >>> FAV-1 3E10-06 >>> SAMOA PROJECT



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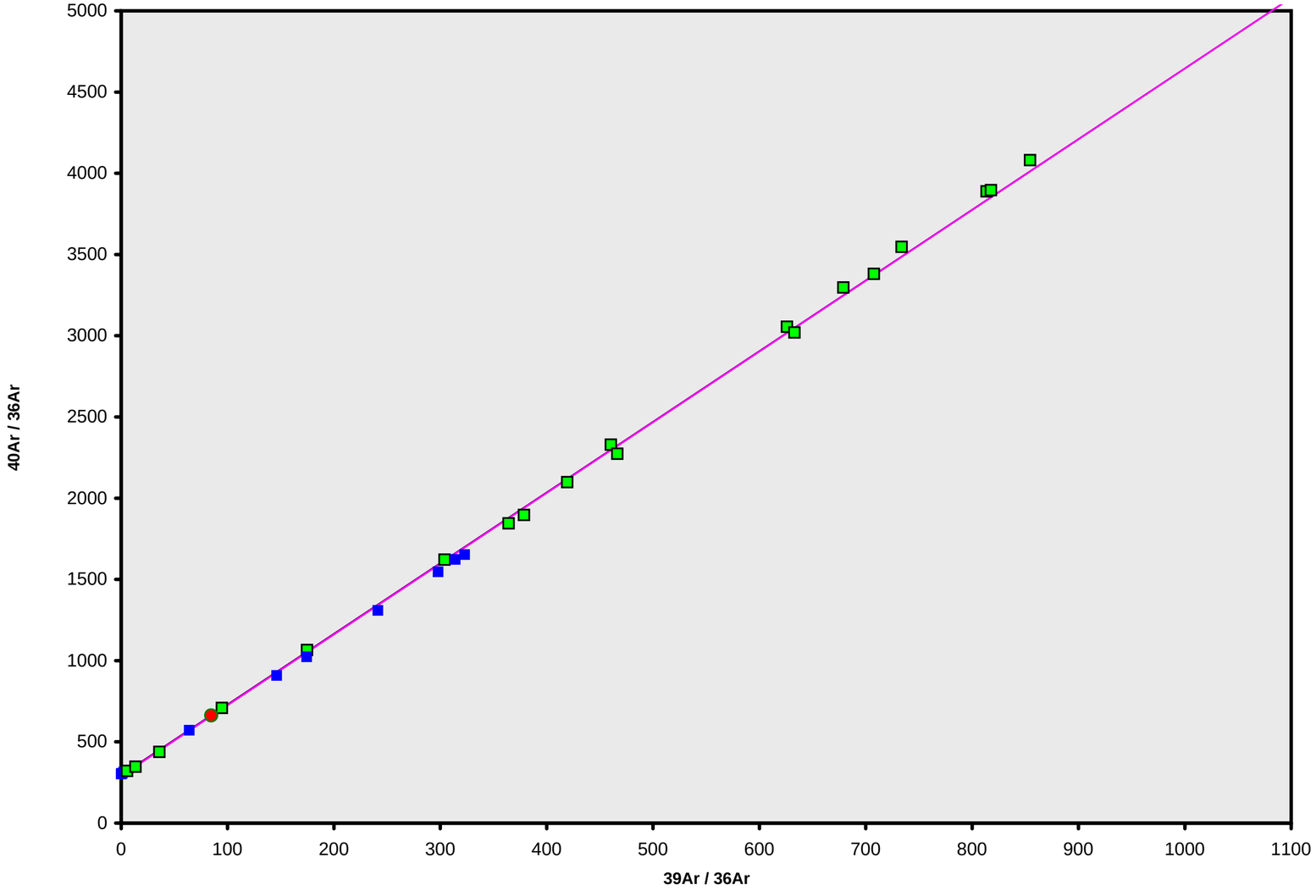
07C1203.AGE >>> FAV-1 3E10-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
12.94 ± 0.13
TOTAL FUSION
12.90 ± 0.13
NORMAL ISOCHRON
12.95 ± 0.15
INVERSE ISOCHRON
12.96 ± 0.14

MSWD (PROBABILITY)
1.66 (4%)

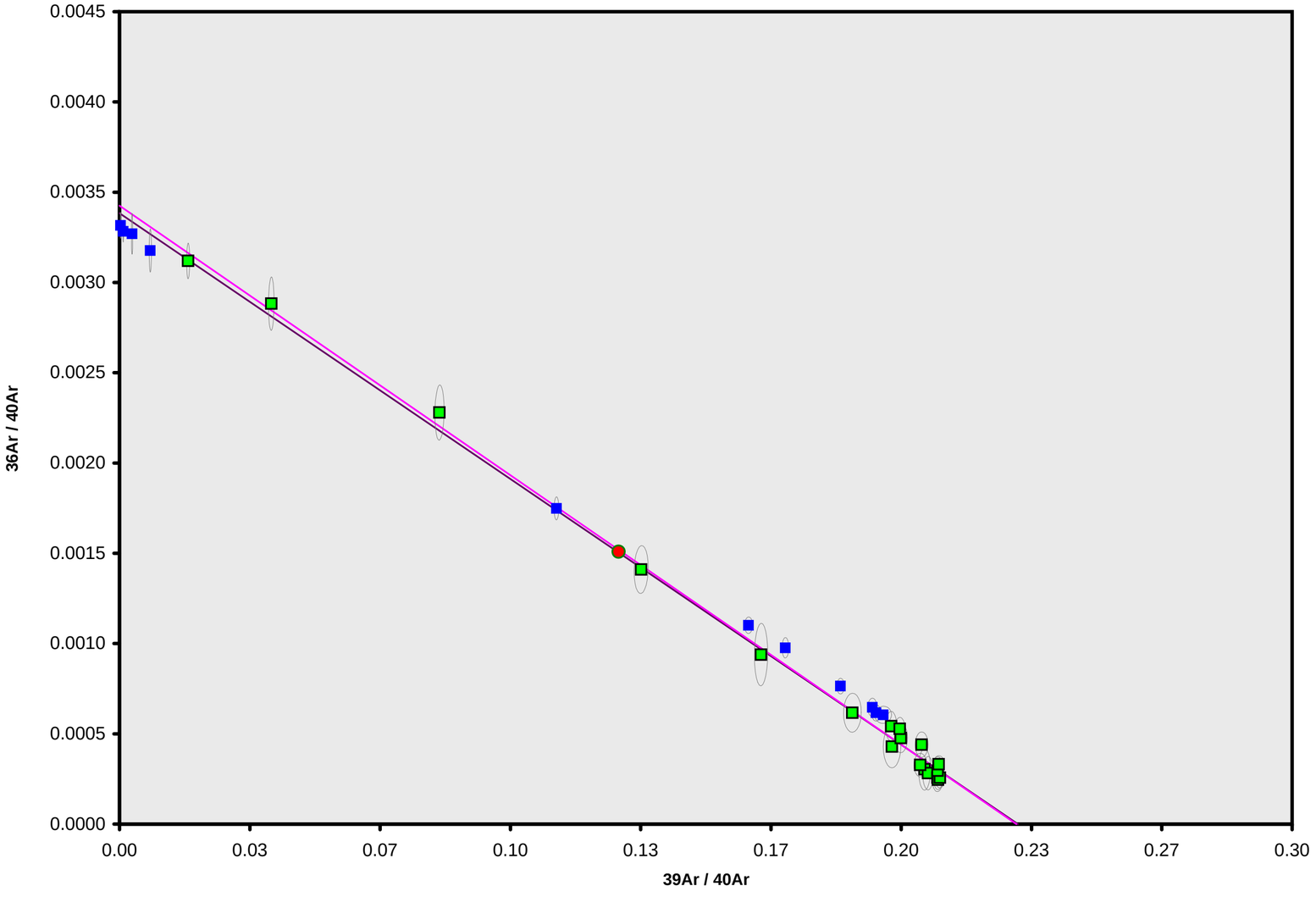
40AR/36AR INTERCEPT
289.5 ± 9.4

Sample Info

Groundmass 125-300µm
Fa'avevesi, Samoa
Anthony Koppers

IRR = OSU3E06
J = 0.00165070 ± 0.00000512

07C1203.AGE >>> FAV-1 3E10-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
12.94 ± 0.13
TOTAL FUSION
12.90 ± 0.13
NORMAL ISOCHRON
12.95 ± 0.15
INVERSE ISOCHRON
12.96 ± 0.14

MSWD (PROBABILITY)
1.60 (5%)

SPREADING FACTOR
83.8%

40AR/36AR INTERCEPT
291.9 ± 9.2

Sample Info

Groundmass 125-300µm
Fa'avevesi, Samoa
Anthony Koppers

IRR = OSU3E06
J = 0.00165070 ± 0.00000512