Incremental Heating			36Ar(a)	37Ar(ca)	38Ar(cl)	39Ar(k)	40Ar(r)	Age ± 2σ (Ma)	40Ar(r) (%)	39Ar(k) (%)	K/Ca ± 2σ
07C1306	0.00 W		0.005039	0.000414	0.000099	0.001592	0.100444	184.33 ± 64.19	6.32	0.07	1.65 ± 2.58
07C1307	0.01 W		0.002290	0.001376	0.000076	0.002747	0.040981	45.32 ± 13.89	5.71	0.13	0.86 ± 0.31
07C1309	0.03 W		0.001135	0.001841	0.000055	0.005044	0.019497	11.85 ± 5.82	5.49	0.24	1.18 ± 0.36
07C1310	0.09 W		0.000794	0.005600	0.000078	0.011833	0.011217	2.91 ± 1.54	4.56	0.55	0.91 ± 0.13
07C1311	0.15 W	✓	0.000447	0.008679	0.000059	0.016847	0.006491	1.18 ± 0.59	4.68	0.79	0.83 ± 0.07
07C1312	0.21 W	✓	0.000448	0.015101	0.000076	0.031493	0.013984	1.37 ± 0.55	9.55	1.48	0.90 ± 0.05
07C1314	0.27 W	✓	0.000443	0.028463	0.000069	0.052660	0.020085	1.17 ± 0.30	13.29	2.47	0.80 ± 0.04
07C1315	0.35 W	✓	0.000426	0.040708	0.000064	0.071193	0.024511	1.06 ± 0.27	16.28	3.34	0.75 ± 0.04
07C1316	0.44 W	✓	0.000549	0.073217	0.000091	0.122364	0.040368	1.01 ± 0.23	19.89	5.74	0.72 ± 0.03
07C1317	0.59 W	✓	0.000460	0.089104	0.000077	0.146321	0.053298	1.12 ± 0.14	28.11	6.86	0.71 ± 0.03
07C1319	0.74 W	✓	0.000453	0.109350	0.000078	0.182483	0.064981	1.10 ± 0.10	32.62	8.55	0.72 ± 0.03
07C1320	0.88 W	✓	0.000401	0.114349	0.000099	0.197788	0.067446	1.05 ± 0.10	36.19	9.27	0.74 ± 0.03
07C1323	1.06 W	✓	0.000307	0.097154	0.000121	0.174198	0.059603	1.05 ± 0.10	39.56	8.17	0.77 ± 0.03
07C1324	1.33 W	✓	0.000329	0.085175	0.000060	0.173891	0.058587	1.04 ± 0.09	37.54	8.15	0.88 ± 0.04
07C1325	1.68 W	✓	0.000580	0.115878	0.000214	0.238975	0.077256	0.99 ± 0.07	31.03	11.20	0.89 ± 0.04
07C1327	2.12 W	✓	0.000568	0.106576	0.000154	0.201808	0.063099	0.96 ± 0.09	27.28	9.46	0.81 ± 0.04
07C1328	2.48 W	✓	0.000517	0.096349	0.000177	0.163885	0.052504	0.99 ± 0.13	25.56	7.68	0.73 ± 0.03
07C1329	3.12 W	✓	0.000628	0.121691	0.000252	0.192682	0.065754	1.05 ± 0.13	26.12	9.03	0.68 ± 0.03
07C1330	3.45 W	✓	0.000279	0.052080	0.000116	0.074973	0.025816	1.06 ± 0.23	23.84	3.51	0.62 ± 0.03
07C1332	4.16 W	✓	0.000163	0.032800	0.000049	0.044075	0.018193	1.27 ± 0.33	27.33	2.07	0.58 ± 0.03
07C1333	4.78 W	✓	0.000120	0.022352	0.000049	0.026304	0.008906	1.04 ± 0.62	20.03	1.23	0.51 ± 0.02
		Σ	0.016378	1.218259	0.002115	2.133158	0.893022				

Information on Analysis

Sample = TUT-1 3E6-06
Material = Groundmass 125-300µm
Location = Tutuila, Samoa
Analyst = Anthony Koppers
Project = SAMOA
Mass Discrimination Law = LIN
Irradiation = OSU3E06
J = 0.00170130 ± 0.00000442
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	0.3365 ± 0.0103 ± 3.05%	1.03 ± 0.03 ± 3.10%	0.79 70%	99.01 17	0.71 ± 0.05
	Minimal External Error ± 0.04		1.35	2σ Confidence Limit	
	Analytical Error ± 0.03		1.0000	Error Magnification	
Total Fusion Age	0.4186 ± 0.0223 ± 5.32%	1.29 ± 0.07 ± 5.34%		21	0.75 ± 0.03
	Minimal External Error ± 0.07				
	Analytical Error ± 0.07				

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
07C1306	0.00 W		0.3 ± 0.0	315.4 ± 7.7	0.4689
07C1307	0.01 W		1.2 ± 0.0	313.4 ± 5.9	0.8734
07C1309	0.03 W		4.4 ± 0.1	312.7 ± 8.9	0.9660
07C1310	0.09 W		14.9 ± 0.4	309.6 ± 7.8	0.9542
07C1311	0.15 W	✓	37.6 ± 0.9	310.0 ± 7.6	0.9642
07C1312	0.21 W	✓	70.3 ± 3.0	326.7 ± 13.9	0.9908
07C1314	0.27 W	✓	118.9 ± 4.7	340.8 ± 13.4	0.9888
07C1315	0.35 W	✓	167.0 ± 8.3	353.0 ± 17.5	0.9924
07C1316	0.44 W	✓	222.7 ± 12.5	369.0 ± 20.7	0.9964
07C1317	0.59 W	✓	317.8 ± 15.3	411.3 ± 19.8	0.9954
07C1319	0.74 W	✓	402.6 ± 17.2	438.8 ± 18.7	0.9916
07C1320	0.88 W	✓	492.9 ± 28.0	463.6 ± 26.2	0.9913
07C1323	1.06 W	✓	567.0 ± 34.9	489.5 ± 30.0	0.9947
07C1324	1.33 W	✓	528.7 ± 28.7	473.6 ± 25.6	0.9925
07C1325	1.68 W	✓	412.2 ± 13.0	428.8 ± 13.2	0.9755
07C1327	2.12 W	✓	355.3 ± 12.6	406.6 ± 14.3	0.9906
07C1328	2.48 W	✓	317.2 ± 14.6	397.1 ± 18.2	0.9940
07C1329	3.12 W	✓	306.7 ± 13.9	400.2 ± 18.0	0.9924
07C1330	3.45 W	✓	269.0 ± 18.1	388.1 ± 26.0	0.9959
07C1332	4.16 W	✓	269.6 ± 26.6	406.8 ± 40.0	0.9988
07C1333	4.78 W	✓	218.9 ± 32.9	369.6 ± 55.5	0.9991

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	299.3909 ± 6.0894 ± 2.03%	0.3249 ± 0.0197 ± 6.07%	1.00 ± 0.06 ± 6.09%	0.71 78%
			Minimal External Error ± 0.06	
			Analytical Error ± 0.06	

Statistics				
	2σ Confidence Limit	1.73	Convergence	0.0000018888
	Error Magnification	1.0000	Number of Iterations	7
	Number of Data Points	17	Calculated Line	Weighted York-2

Inverse Isochron			39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
07C1306	0.00 W		0.001002 ± 0.000046	0.003170 ± 0.000078	0.0018
07C1307	0.01 W		0.003828 ± 0.000040	0.003191 ± 0.000060	0.0159
07C1309	0.03 W		0.014212 ± 0.000108	0.003198 ± 0.000092	0.0255
07C1310	0.09 W		0.048105 ± 0.000380	0.003230 ± 0.000082	0.0213
07C1311	0.15 W	✓	0.121444 ± 0.000797	0.003226 ± 0.000079	0.1238
07C1312	0.21 W	✓	0.215086 ± 0.001251	0.003061 ± 0.000131	0.0444
07C1314	0.27 W	✓	0.348718 ± 0.002060	0.002934 ± 0.000115	0.0405
07C1315	0.35 W	✓	0.473176 ± 0.002898	0.002833 ± 0.000140	0.0344
07C1316	0.44 W	✓	0.603611 ± 0.002872	0.002710 ± 0.000152	0.0337
07C1317	0.59 W	✓	0.772798 ± 0.003555	0.002431 ± 0.000117	0.0234
07C1319	0.74 W	✓	0.917297 ± 0.005061	0.002279 ± 0.000097	0.0325
07C1320	0.88 W	✓	1.063189 ± 0.007968	0.002157 ± 0.000122	0.0354
07C1323	1.06 W	✓	1.158354 ± 0.007360	0.002043 ± 0.000125	0.0056
07C1324	1.33 W	✓	1.116230 ± 0.007435	0.002111 ± 0.000114	0.0309
07C1325	1.68 W	✓	0.961454 ± 0.006651	0.002332 ± 0.000072	0.0166
07C1327	2.12 W	✓	0.873866 ± 0.004230	0.002459 ± 0.000087	0.0167
07C1328	2.48 W	✓	0.798714 ± 0.004030	0.002518 ± 0.000115	0.0114
07C1329	3.12 W	✓	0.766503 ± 0.004264	0.002499 ± 0.000113	0.0192
07C1330	3.45 W	✓	0.693121 ± 0.004217	0.002576 ± 0.000173	0.0358
07C1332	4.16 W	✓	0.662766 ± 0.003145	0.002458 ± 0.000242	0.0075
07C1333	4.78 W	✓	0.592336 ± 0.003807	0.002705 ± 0.000406	0.0193

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	299.4802 ± 6.0868 ± 2.03%	0.3256 ± 0.0195 ± 6.00%	1.00 ± 0.06 ± 6.02%	0.72 76%
			Minimal External Error ± 0.06	
			Analytical Error ± 0.06	

Statistics				
	2σ Confidence Limit	1.73	Convergence	0.0000314451
	Error Magnification	1.0000	Number of Iterations	3
	Number of Data Points	17	Calculated Line	Weighted York-2
	Spreading Factor	33.8%		

Relative Abundances			36Ar	%1σ	37Ar	%1σ	38Ar	%1σ	39Ar	%1σ	40Ar	%1σ	Age ± 2σ (Ma)	40Ar(r) (%)	39Ar(k) (%)	K/Ca ± 2σ
07C1306	0.00 W		0.0050387	1.223	0.0004140	77.982	0.0010602	0.773	0.0015928	2.299	1.5893416	0.072	184.33 ± 64.19	6.32	0.07	1.65 ± 2.58
07C1307	0.01 W		0.0022902	0.935	0.0013758	17.812	0.0005368	2.469	0.0027484	0.511	0.7176218	0.088	45.32 ± 13.89	5.71	0.13	0.86 ± 0.31
07C1309	0.03 W		0.0011356	1.425	0.0018412	15.327	0.0003287	2.313	0.0050453	0.362	0.3549185	0.118	11.85 ± 5.82	5.49	0.24	1.18 ± 0.36
07C1310	0.09 W		0.0007960	1.260	0.0056003	6.653	0.0003703	2.573	0.0118372	0.381	0.2460083	0.103	2.91 ± 1.54	4.56	0.55	0.91 ± 0.13
07C1311	0.15 W	✓	0.0004498	1.198	0.0086791	3.393	0.0003465	1.608	0.0168531	0.240	0.1387492	0.223	1.18 ± 0.59	4.68	0.79	0.83 ± 0.07
07C1312	0.21 W	✓	0.0004522	2.109	0.0151015	2.189	0.0005415	2.000	0.0315039	0.239	0.1464737	0.166	1.37 ± 0.55	9.55	1.48	0.90 ± 0.05
07C1314	0.27 W	✓	0.0004507	1.928	0.0284626	1.820	0.0007908	1.091	0.0526799	0.252	0.1510965	0.153	1.17 ± 0.30	13.29	2.47	0.80 ± 0.04
07C1315	0.35 W	✓	0.0004372	2.411	0.0407084	1.325	0.0010074	1.037	0.0712223	0.260	0.1505762	0.160	1.06 ± 0.27	16.28	3.34	0.75 ± 0.04
07C1316	0.44 W	✓	0.0005691	2.697	0.0732173	1.179	0.0016780	0.737	0.1224161	0.185	0.2029223	0.148	1.01 ± 0.23	19.89	5.74	0.72 ± 0.03
07C1317	0.59 W	✓	0.0004843	2.282	0.0891045	0.855	0.0019382	0.605	0.1463841	0.200	0.1895806	0.109	1.12 ± 0.14	28.11	6.86	0.71 ± 0.03
07C1319	0.74 W	✓	0.0004827	1.992	0.1093498	0.855	0.0023765	0.955	0.1825608	0.239	0.1992370	0.133	1.10 ± 0.10	32.62	8.55	0.72 ± 0.03
07C1320	0.88 W	✓	0.0004321	2.619	0.1143492	0.871	0.0025731	0.719	0.1978694	0.321	0.1863594	0.188	1.05 ± 0.10	36.19	9.27	0.74 ± 0.03
07C1323	1.06 W	✓	0.0003333	2.823	0.0971543	0.851	0.0022913	0.776	0.1742668	0.309	0.1506715	0.056	1.05 ± 0.10	39.56	8.17	0.77 ± 0.03
07C1324	1.33 W	✓	0.0003518	2.524	0.0851751	0.821	0.0022300	0.588	0.1739514	0.288	0.1560711	0.160	1.04 ± 0.09	37.54	8.15	0.88 ± 0.04
07C1325	1.68 W	✓	0.0006109	1.456	0.1158783	0.821	0.0032200	0.667	0.2390568	0.333	0.2489498	0.085	0.99 ± 0.07	31.03	11.20	0.89 ± 0.04
07C1327	2.12 W	✓	0.0005966	1.674	0.1065764	0.806	0.0027076	0.663	0.2018831	0.227	0.2312694	0.076	0.96 ± 0.09	27.28	9.46	0.81 ± 0.04
07C1328	2.48 W	✓	0.0005426	2.181	0.0963487	0.933	0.0022612	0.567	0.1639531	0.239	0.2054561	0.074	0.99 ± 0.13	25.56	7.68	0.73 ± 0.03
07C1329	3.12 W	✓	0.0006609	2.140	0.1216909	0.787	0.0027063	0.577	0.1927687	0.256	0.2516965	0.105	1.05 ± 0.13	26.12	9.03	0.68 ± 0.03
07C1330	3.45 W	✓	0.0002927	3.188	0.0520801	1.158	0.0010780	1.072	0.0750097	0.237	0.1082907	0.189	1.06 ± 0.23	23.84	3.51	0.62 ± 0.03
07C1332	4.16 W	✓	0.0001723	4.668	0.0328000	1.702	0.0006140	2.133	0.0440986	0.218	0.0665749	0.090	1.27 ± 0.33	27.33	2.07	0.58 ± 0.03
07C1333	4.78 W	✓	0.0001262	7.142	0.0223517	1.373	0.0003908	3.381	0.0263199	0.238	0.0444507	0.214	1.04 ± 0.62	20.03	1.23	0.51 ± 0.02
		Σ	0.0167060	0.480	1.2182591	0.255	0.0310473	0.205	2.1340214	0.076	5.7363157	0.029				

Information on Analysis and Constants Used in Calculations

Sample = TUT-1 3E6-06
Material = Groundmass 125-300µm
Location = Tutuila, Samoa
Analyst = Anthony Koppers
Project = SAMOA
Mass Discrimination Law = LIN
Irradiation = OSU3E06
J = 0.00170130 ± 0.00000442
FCT-3 = 28.030 ± 0.003 Ma
IGSN = KOP000042
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 = Basanite
Lat-Lon = 14°28.2'S - 170°18.0'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
No 36Cl Correction

Results	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (%,n)	K/Ca ± 2σ
Age Plateau	0.3365 ± 0.0103 ± 3.05%	1.03 ± 0.03 ± 3.10%	0.79 70%	99.01 17	0.71 ± 0.05
	Minimal External Error ± 0.04		1.35	2σ Confidence Limit	
	Analytical Error ± 0.03		1.0000	Error Magnification	
Total Fusion Age	0.4186 ± 0.0223 ± 5.32%	1.29 ± 0.07 ± 5.34%		21	0.75 ± 0.03
	Minimal External Error ± 0.07				
	Analytical Error ± 0.07				
Normal Isochron	0.3249 ± 0.0197 ± 6.07%	1.00 ± 0.06 ± 6.09%	0.71 78%	99.01 17	
	Minimal External Error ± 0.06		1.73	2σ Confidence Limit	
	Analytical Error ± 0.06		1.0000	Error Magnification	
Inverse Isochron	0.3256 ± 0.0195 ± 6.00%	1.00 ± 0.06 ± 6.02%	0.72 76%	99.01 17	
	Minimal External Error ± 0.06		1.73	2σ Confidence Limit	
	Analytical Error ± 0.06		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
07C1306	0.00 W		0.005039	1.22	0.000000	0.00	0.000000	77.98	0.000000	0.00	0.000414	77.98	0.000942	1.22	0.000000	0.00	0.000019	2.30	0.000000	81.00	0.000099	14.26	0.001592	2.30	0.000000	78.00	0.100444	18.17	1.488895	1.22	0.000000	0.00	0.000003	25.01
07C1307	0.01 W		0.002290	0.93	0.000000	0.00	0.000000	17.82	0.000000	0.00	0.001376	17.81	0.000428	0.93	0.000000	0.00	0.000033	0.52	0.000000	28.23	0.000076	18.33	0.002747	0.51	0.000001	17.91	0.040981	15.51	0.676636	0.93	0.000000	0.00	0.000005	24.91
07C1309	0.03 W		0.001135	1.43	0.000000	0.00	0.000000	15.33	0.000000	0.00	0.001841	15.33	0.000212	1.43	0.000000	0.00	0.000061	0.38	0.000000	26.73	0.000055	14.77	0.005044	0.36	0.000001	15.44	0.019497	24.63	0.335413	1.43	0.000000	0.00	0.000008	24.90
07C1310	0.09 W		0.000794	1.26	0.000000	0.00	0.000002	6.66	0.000000	0.00	0.005600	6.65	0.000148	1.26	0.000000	0.00	0.000143	0.39	0.000000	22.89	0.000078	12.41	0.011833	0.38	0.000004	6.90	0.011217	26.53	0.234772	1.26	0.000000	0.00	0.000020	24.90
07C1311	0.15 W	✓	0.000447	1.20	0.000000	0.00	0.000002	3.41	0.000000	0.00	0.008679	3.39	0.000084	1.20	0.000000	0.00	0.000204	0.26	0.000000	22.16	0.000059	9.71	0.016847	0.24	0.000006	3.86	0.006491	24.99	0.132230	1.20	0.000000	0.00	0.000028	24.90
07C1312	0.21 W	✓	0.000448	2.13	0.000000	0.00	0.000004	2.22	0.000000	0.00	0.015101	2.19	0.000084	2.13	0.000000	0.00	0.000381	0.26	0.000000	22.01	0.000076	14.52	0.031493	0.24	0.000011	2.85	0.013984	20.23	0.132438	2.13	0.000000	0.00	0.000052	24.90
07C1314	0.27 W	✓	0.000443	1.96	0.000000	0.00	0.000008	1.86	0.000000	0.00	0.028463	1.82	0.000083	1.96	0.000000	0.00	0.000638	0.27	0.000001	21.98	0.000069	12.90	0.052660	0.25	0.000020	2.58	0.020085	12.84	0.130924	1.96	0.000000	0.00	0.000087	24.90
07C1315	0.35 W	✓	0.000426	2.47	0.000000	0.00	0.000011	1.38	0.000000	0.00	0.040708	1.32	0.000080	2.47	0.000000	0.00	0.000862	0.28	0.000001	21.94	0.000064	16.97	0.071193	0.26	0.000029	2.26	0.024511	12.74	0.125948	2.47	0.000000	0.00	0.000117	24.90
07C1316	0.44 W	✓	0.000549	2.79	0.000000	0.00	0.000020	1.24	0.000000	0.00	0.073217	1.18	0.000103	2.79	0.000000	0.00	0.001482	0.21	0.000002	21.93	0.000091	14.36	0.122364	0.18	0.000052	2.18	0.040368	11.26	0.162353	2.79	0.000000	0.00	0.000202	24.90
07C1317	0.59 W	✓	0.000460	2.40	0.000000	0.00	0.000024	0.93	0.000000	0.00	0.089104	0.86	0.000086	2.40	0.000000	0.00	0.001772	0.22	0.000003	21.92	0.000077	16.23	0.146321	0.20	0.000063	2.02	0.053298	6.14	0.136042	2.40	0.000000	0.00	0.000241	24.90
07C1319	0.74 W	✓	0.000453	2.12	0.000000	0.00	0.000029	0.93	0.000000	0.00	0.109350	0.86	0.000085	2.12	0.000000	0.00	0.002210	0.26	0.000003	21.92	0.000078	29.97	0.182483	0.24	0.000078	2.02	0.064981	4.40	0.133955	2.12	0.000000	0.00	0.000301	24.90
07C1320	0.88 W	✓	0.000401	2.82	0.000000	0.00	0.000031	0.95	0.000000	0.00	0.114349	0.87	0.000075	2.82	0.000000	0.00	0.002395	0.34	0.000004	21.92	0.000099	20.47	0.197788	0.32	0.000081	2.03	0.067446	4.99	0.118587	2.82	0.000000	0.00	0.000326	24.90
07C1323	1.06 W	✓	0.000307	3.06	0.000000	0.00	0.000026	0.93	0.000000	0.00	0.097154	0.85	0.000057	3.06	0.000000	0.00	0.002110	0.32	0.000003	21.92	0.000121	15.80	0.174198	0.31	0.000069	2.02	0.059603	4.67	0.090781	3.06	0.000000	0.00	0.000287	24.90
07C1324	1.33 W	✓	0.000329	2.70	0.000000	0.00	0.000023	0.90	0.000000	0.00	0.085175	0.82	0.000061	2.70	0.000000	0.00	0.002106	0.31	0.000003	21.92	0.000060	24.53	0.173891	0.29	0.000060	2.01	0.058587	4.50	0.097197	2.70	0.000000	0.00	0.000287	24.90
07C1325	1.68 W	✓	0.000580	1.54	0.000000	0.00	0.000031	0.90	0.000000	0.00	0.115878	0.82	0.000108	1.54	0.000000	0.00	0.002894	0.35	0.000004	21.92	0.000214	11.12	0.238975	0.33	0.000082	2.01	0.077256	3.42	0.171299	1.54	0.000000	0.00	0.000394	24.90
07C1327	2.12 W	✓	0.000568	1.76	0.000000	0.00	0.000029	0.89	0.000000	0.00	0.106576	0.81	0.000106	1.76	0.000000	0.00	0.002444	0.25	0.000003	21.91	0.000154	12.35	0.201808	0.23	0.000076	2.00	0.063099	4.69	0.167837	1.76	0.000000	0.00	0.000333	24.90
07C1328	2.48 W	✓	0.000517	2.29	0.000000	0.00	0.000026	1.00	0.000000	0.00	0.096349	0.93	0.000097	2.29	0.000000	0.00	0.001985	0.26	0.000003	21.92	0.000177	7.91	0.163885	0.24	0.000068	2.05	0.052504	6.67	0.152681	2.29	0.000000	0.00	0.000270	24.90
07C1329	3.12 W	✓	0.000628	2.25	0.000000	0.00	0.000033	0.87	0.000000	0.00	0.121691	0.79	0.000117	2.25	0.000000	0.00	0.002333	0.27	0.000004	21.91	0.000252	6.80	0.192682	0.26	0.000086	1.99	0.065754	6.37	0.185625	2.25	0.000000	0.00	0.000318	24.90
07C1330	3.45 W	✓	0.000279	3.35	0.000000	0.00	0.000014	1.22	0.000000	0.00	0.052080	1.16	0.000052	3.35	0.000000	0.00	0.000908	0.26	0.000002	21.93	0.000116	10.25	0.074973	0.24	0.000037	2.17	0.025816	10.71	0.082351	3.35	0.000000	0.00	0.000124	24.90
07C1332	4.16 W	✓	0.000163	4.92	0.000000	0.00	0.000009	1.74	0.000000	0.00	0.032800	1.70	0.000031	4.92	0.000000	0.00	0.000534	0.24	0.000001	21.97	0.000049	27.22	0.044075	0.22	0.000023	2.50	0.018193	13.07	0.048309	4.92	0.000000	0.00	0.000073	24.90
07C1333	4.78 W	✓	0.000120	7.50	0.000000	0.00	0.000006	1.42	0.000000	0.00	0.022352	1.37	0.000022	7.50	0.000000	0.00	0.000319	0.26	0.000001	21.94	0.000049	27.18	0.026304	0.24	0.000016	2.29	0.008906	29.92	0.035502	7.50	0.000000	0.00	0.000043	24.90
		Σ	0.016378	0.49	0.000000	0.00	0.000328	0.27	0.000000	0.00	1.218259	0.25	0.003061	0.49	0.000000	0.00	0.025833	0.08	0.000039	5.99	0.002115	3.24	2.133158	0.08	0.000864	0.56	0.893022	2.66	4.839774	0.49	0.000000	0.00	0.003520	6.89
		Σ							0.016706	0.48	1.218259	0.25									0.031047	0.24			2.134021	0.08							5.736316	0.58

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)
07C1306	0.00 W		63.074328	11.55237	1.589339	0.00114	997.850597	22.95205	0.259933	0.20279	3.163475	0.08239	184.794	38.57151821	1.00130564	1.608E-19
07C1307	0.01 W		14.916466	2.31484	0.717617	0.00063	261.108802	1.35454	0.500596	0.08920	0.833285	0.00888	184.813	38.58580582	1.00130577	7.262E-20
07C1309	0.03 W		3.865426	0.95204	0.354910	0.00042	70.346216	0.26768	0.364937	0.05595	0.225073	0.00331	184.852	38.61598593	1.00130605	3.592E-20
07C1310	0.09 W		0.947892	0.25146	0.245989	0.00025	20.782725	0.08199	0.473108	0.03153	0.067246	0.00089	184.870	38.62976013	1.00130618	2.490E-20
07C1311	0.15 W	✓	0.385292	0.09630	0.138721	0.00031	8.232858	0.02700	0.514987	0.01752	0.026690	0.00033	184.888	38.64353925	1.00130631	1.404E-20
07C1312	0.21 W	✓	0.444020	0.08982	0.146422	0.00024	4.649378	0.01351	0.479352	0.01056	0.014355	0.00030	184.906	38.65732328	1.00130643	1.482E-20
07C1314	0.27 W	✓	0.381414	0.04898	0.151010	0.00023	2.868199	0.00846	0.540293	0.00993	0.008556	0.00017	184.940	38.68331425	1.00130667	1.529E-20
07C1315	0.35 W	✓	0.344288	0.04389	0.150459	0.00024	2.114171	0.00646	0.571567	0.00771	0.006138	0.00015	184.958	38.69658168	1.00130680	1.524E-20
07C1316	0.44 W	✓	0.329898	0.03717	0.202720	0.00030	1.657644	0.00392	0.598102	0.00714	0.004649	0.00013	184.974	38.70932269	1.00130691	2.054E-20
07C1317	0.59 W	✓	0.364251	0.02239	0.189339	0.00022	1.295091	0.00295	0.608703	0.00534	0.003309	0.00008	184.992	38.72259904	1.00130704	1.919E-20
07C1319	0.74 W	✓	0.356094	0.01567	0.198936	0.00027	1.091346	0.00298	0.598977	0.00532	0.002644	0.00005	185.026	38.74863389	1.00130728	2.016E-20
07C1320	0.88 W	✓	0.341002	0.01705	0.186033	0.00036	0.941830	0.00350	0.577902	0.00536	0.002184	0.00006	185.042	38.76139204	1.00130739	1.886E-20
07C1323	1.06 W	✓	0.342158	0.01602	0.150384	0.00011	0.864602	0.00271	0.557503	0.00505	0.001913	0.00005	185.933	39.44903033	1.00131368	1.525E-20
07C1324	1.33 W	✓	0.336921	0.01520	0.155784	0.00026	0.897211	0.00296	0.489649	0.00426	0.002023	0.00005	185.950	39.46256038	1.00131381	1.579E-20
07C1325	1.68 W	✓	0.323282	0.01110	0.248555	0.00023	1.041383	0.00358	0.484731	0.00429	0.002555	0.00004	185.967	39.47609507	1.00131393	2.519E-20
07C1327	2.12 W	✓	0.312669	0.01468	0.230936	0.00020	1.145561	0.00274	0.527911	0.00442	0.002955	0.00005	186.001	39.50263653	1.00131417	2.340E-20
07C1328	2.48 W	✓	0.320374	0.02138	0.205186	0.00017	1.253140	0.00313	0.587660	0.00566	0.003310	0.00007	186.018	39.51564294	1.00131429	2.079E-20
07C1329	3.12 W	✓	0.341256	0.02176	0.251379	0.00028	1.305692	0.00361	0.631279	0.00522	0.003428	0.00007	186.035	39.52919584	1.00131441	2.547E-20
07C1330	3.45 W	✓	0.344344	0.03690	0.108167	0.00021	1.443689	0.00437	0.694311	0.00820	0.003902	0.00012	186.051	39.54112623	1.00131452	1.096E-20
07C1332	4.16 W	✓	0.412771	0.05397	0.066502	0.00006	1.509682	0.00356	0.743786	0.01276	0.003907	0.00018	186.081	39.56445513	1.00131473	6.737E-21
07C1333	4.78 W	✓	0.338562	0.10129	0.044407	0.00010	1.688864	0.00541	0.849235	0.01183	0.004793	0.00034	186.096	39.57639616	1.00131484	4.498E-21

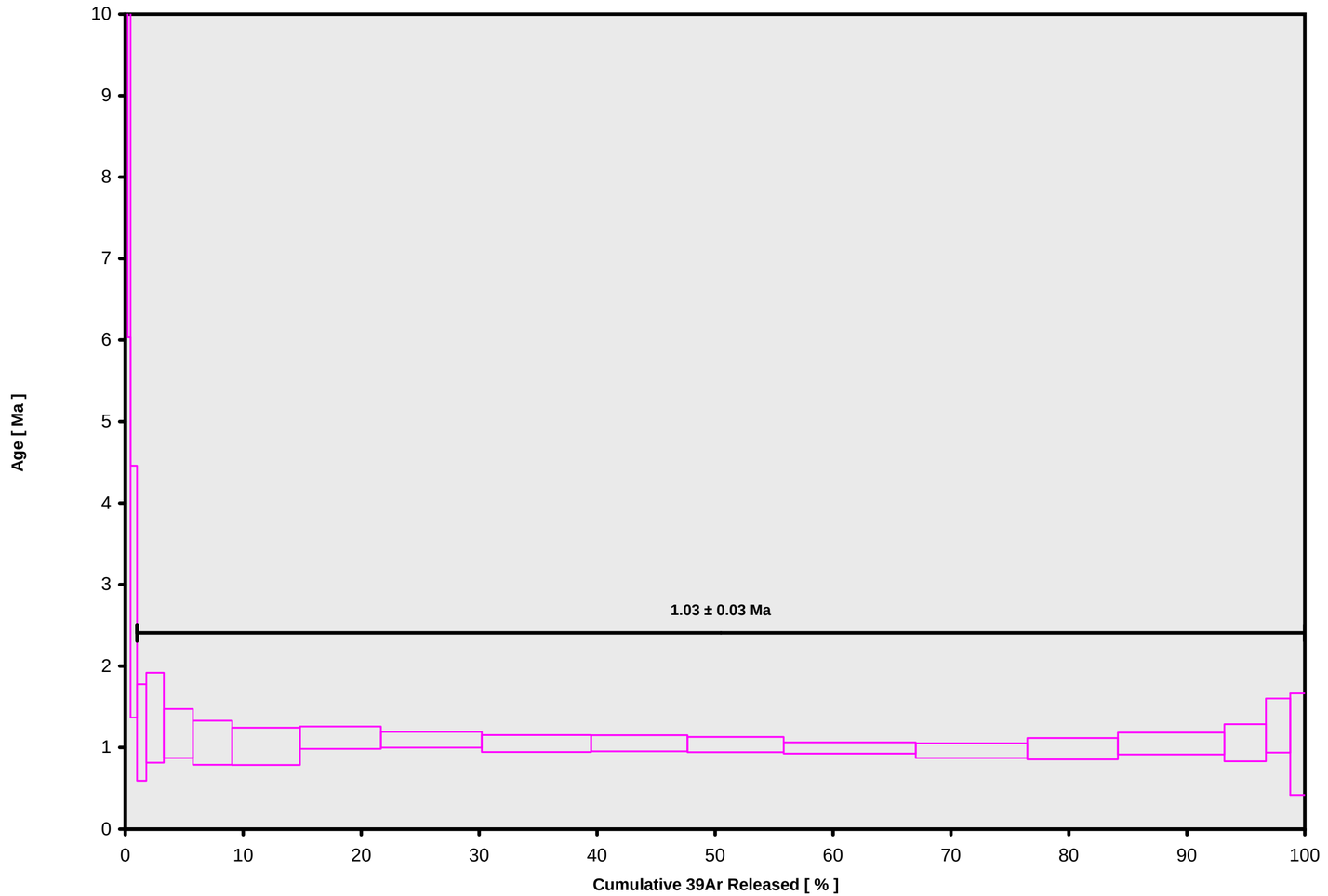
Procedure Blanks		36Ar	1σ	37Ar	1σ	38Ar	1σ	39Ar	1σ	40Ar	1σ
07C1306	0.00 W	0.000018	0.000005	0.000031	0.000006	0.000016	0.000005	0.000052	0.000004	0.005062	0.000021
07C1307	0.01 W	0.000015	0.000004	0.000028	0.000005	0.000009	0.000005	0.000036	0.000007	0.004622	0.000165
07C1309	0.03 W	0.000014	0.000004	0.000027	0.000005	0.000006	0.000005	0.000033	0.000007	0.004390	0.000165
07C1310	0.09 W	0.000014	0.000004	0.000026	0.000005	0.000005	0.000005	0.000033	0.000007	0.004295	0.000165
07C1311	0.15 W	0.000014	0.000004	0.000025	0.000005	0.000005	0.000005	0.000034	0.000007	0.004207	0.000165
07C1312	0.21 W	0.000015	0.000004	0.000025	0.000005	0.000004	0.000005	0.000036	0.000007	0.004126	0.000165
07C1314	0.27 W	0.000016	0.000004	0.000023	0.000005	0.000004	0.000005	0.000043	0.000007	0.003992	0.000165
07C1315	0.35 W	0.000017	0.000004	0.000023	0.000005	0.000004	0.000005	0.000048	0.000007	0.003933	0.000165
07C1316	0.44 W	0.000018	0.000004	0.000022	0.000005	0.000005	0.000005	0.000053	0.000007	0.003883	0.000165
07C1317	0.59 W	0.000020	0.000004	0.000022	0.000005	0.000006	0.000005	0.000060	0.000007	0.003836	0.000165
07C1319	0.74 W	0.000023	0.000004	0.000020	0.000005	0.000007	0.000005	0.000076	0.000007	0.003764	0.000165
07C1320	0.88 W	0.000025	0.000004	0.000020	0.000005	0.000009	0.000005	0.000085	0.000007	0.003738	0.000165
07C1323	1.06 W	0.000015	0.000005	0.000010	0.000003	0.000008	0.000005	0.000031	0.000004	0.002326	0.000023
07C1324	1.33 W	0.000015	0.000005	0.000010	0.000003	0.000008	0.000005	0.000031	0.000004	0.002326	0.000023
07C1325	1.68 W	0.000015	0.000005	0.000010	0.000003	0.000008	0.000005	0.000031	0.000004	0.002326	0.000023
07C1327	2.12 W	0.000008	0.000006	0.000023	0.000004	0.000012	0.000004	0.000140	0.000010	0.003932	0.000021
07C1328	2.48 W	0.000008	0.000006	0.000023	0.000004	0.000012	0.000004	0.000140	0.000010	0.003932	0.000021
07C1329	3.12 W	0.000008	0.000006	0.000023	0.000004	0.000012	0.000004	0.000140	0.000010	0.003932	0.000021
07C1330	3.45 W	0.000008	0.000006	0.000023	0.000004	0.000012	0.000004	0.000140	0.000010	0.003932	0.000021
07C1332	4.16 W	0.000023	0.000006	0.000008	0.000004	0.000008	0.000010	0.000092	0.000008	0.003790	0.000028
07C1333	4.78 W	0.000023	0.000006	0.000008	0.000004	0.000008	0.000010	0.000092	0.000008	0.003790	0.000028

Intercept Values		36Ar	1σ	r2		37Ar	1σ	r2		38Ar	1σ	r2		39Ar	1σ	r2		40Ar	1σ	r2	
07C1306	0.00 W	0.005071	0.000053	0.2955	LIN #	0.000041	0.000006	0.9543	LIN #	0.001071	0.000006	0.4409	LIN #	0.001628	0.000036	0.9970	LIN #	1.575030	0.001128	0.9962	EXP # 7
07C1307	0.01 W	0.002311	0.000015	0.7219	LIN # 6	0.000063	0.000004	0.9622	LIN #	0.000543	0.000012	0.0012	LIN #	0.002757	0.000012	0.9990	LIN #	0.713327	0.000603	0.9955	LIN #
07C1309	0.03 W	0.001153	0.000014	0.2048	LIN #	0.000074	0.000005	0.8384	LIN # 3	0.000333	0.000006	0.2939	LIN # 2 4	0.005029	0.000015	0.9943	LIN # 1 3 5	0.354943	0.000380	0.9931	LIN # 1 2
07C1310	0.09 W	0.000812	0.000008	0.6665	LIN # 1 6	0.000171	0.000008	0.0695	LIN #	0.000374	0.000008	0.0138	LIN # 3	0.011758	0.000040	0.5770	LIN # 1 7	0.247335	0.000191	0.9934	LIN # 1 2 3 9
07C1311	0.15 W	0.000465	0.000001	0.8803	LIN # 1 3	0.000249	0.000005	0.4296	LIN # 2	0.000350	0.000003	0.0042	LIN #	0.016723	0.000029	0.9359	LIN # 1 4	0.141219	0.000259	0.7307	LIN # 1 2
07C1312	0.21 W	0.000468	0.000008	0.0360	LIN #	0.000414	0.000006	0.5985	LIN # 9	0.000543	0.000009	0.0500	LIN #	0.031197	0.000055	0.9814	LIN # 1	0.148594	0.000176	0.7769	LIN # 1 4 8
07C1314	0.27 W	0.000467	0.000007	0.0073	LIN #	0.000757	0.000011	0.2890	LIN #	0.000790	0.000007	0.3956	LIN #	0.052139	0.000101	0.9802	LIN # 1	0.152993	0.000160	0.9093	LIN # 1 2 7
07C1315	0.35 W	0.000455	0.000009	0.0043	LIN #	0.001072	0.000011	0.5269	LIN #	0.001005	0.000009	0.3953	LIN # 8	0.070467	0.000144	0.9830	LIN # 1	0.152391	0.000174	0.8381	LIN # 1 2
07C1316	0.44 W	0.000588	0.000014	0.2070	LIN # 1 3 4	0.001909	0.000017	0.7485	LIN # 2	0.001672	0.000010	0.5584	LIN # 1 10	0.121089	0.000112	0.9969	LIN # 1 8 9	0.203970	0.000247	0.9391	LIN # 1 2
07C1317	0.59 W	0.000504	0.000010	0.2613	LIN #	0.002316	0.000010	0.9015	LIN #	0.001931	0.000009	0.9013	LIN # 1 5	0.144779	0.000173	0.9963	LIN # 1 4 6	0.190747	0.000124	0.9691	LIN # 1 8
07C1319	0.74 W	0.000506	0.000008	0.0184	LIN #	0.002835	0.000012	0.9367	LIN #	0.002369	0.000021	0.6132	LIN #	0.180577	0.000320	0.9897	LIN # 1 6	0.200218	0.000204	0.9496	LIN # 1 5 7
07C1320	0.88 W	0.000457	0.000010	0.0095	LIN #	0.002962	0.000014	0.8849	LIN # 1	0.002565	0.000016	0.8954	LIN # 1	0.195703	0.000544	0.9780	LIN # 1	0.187473	0.000306	0.7712	LIN # 1 2 8
07C1323	1.06 W	0.000349	0.000008	0.0778	LIN # 1	0.002468	0.000011	0.9180	LIN #	0.002285	0.000015	0.9297	LIN # 1 2 5	0.172399	0.000455	0.9765	LIN # 1	0.150959	0.000081	0.9899	LIN # 1 9
07C1324	1.33 W	0.000367	0.000007	0.1584	LIN #	0.002163	0.000008	0.8631	LIN #	0.002224	0.000010	0.7646	LIN #	0.172036	0.000412	0.9838	LIN # 1	0.156241	0.000246	0.8190	LIN #
07C1325	1.68 W	0.000626	0.000006	0.2695	LIN # 1 8	0.002938	0.000012	0.9560	LIN # 3	0.003208	0.000018	0.9249	LIN # 1	0.236390	0.000690	0.9708	LIN # 1	0.247831	0.000208	0.9783	LIN #
07C1327	2.12 W	0.000606	0.000007	0.1064	LIN #	0.002714	0.000009	0.9451	LIN # 4	0.002703	0.000015	0.7717	LIN #	0.199743	0.000321	0.9928	LIN # 1 3	0.231977	0.000173	0.9862	LIN # 1
07C1328	2.48 W	0.000552	0.000010	0.0560	LIN # 1	0.002455	0.000014	0.8944	LIN # 3	0.002259	0.000010	0.8950	LIN #	0.162241	0.000287	0.9879	LIN # 1	0.206518	0.000149	0.9798	LIN #
07C1329	3.12 W	0.000670	0.000012	0.0013	LIN #	0.003094	0.000009	0.9354	LIN #	0.002701	0.000012	0.9356	LIN # 1 4 9	0.190732	0.000380	0.9850	LIN # 1	0.252124	0.000260	0.9734	LIN #
07C1330	3.45 W	0.000301	0.000007	0.2366	LIN #	0.001337	0.000011	0.7991	LIN # 1	0.001083	0.000010	0.7107	LIN # 1	0.074301	0.000129	0.9839	LIN # 1	0.110684	0.000201	0.0969	LIN # 1 2
07C1332	4.16 W	0.000195	0.000005	0.0148	LIN # 7	0.000834	0.000012	0.1125	LIN #	0.000618	0.000009	0.1472	LIN #	0.043683	0.000064	0.9821	EXP # 1	0.069386	0.000052	0.9871	LIN # 1 2 8
07C1333	4.78 W	0.000149	0.000007	0.0023	LIN # 1	0.000571	0.000005	0.6578	LIN #	0.000396	0.000009	0.2405	LIN #	0.026109	0.000045	0.9847	LIN # 1	0.047570	0.000090	0.9762	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
07C1306	0.00 W	TUT-1 3E6-06	Groundmass 125-300µm	Tutuila, Samoa	Anthony Koppers	0	28.03	0.01	0.0017013	0.26	1.00378	0.16	1.0123	1.012E-19	30	MAR	2007	09	31	001	OSU3E06	Samoa	07C1306	01	FCT-3
07C1307	0.01 W	TUT-1 3E6-06	Groundmass 125-300µm	Tutuila, Samoa	Anthony Koppers	0.01	28.03	0.01	0.0017013	0.26	1.00378	0.16	1.0125	1.012E-19	30	MAR	2007	09	58	001	OSU3E06	Samoa	07C1306	01	FCT-3
07C1309	0.03 W	TUT-1 3E6-06	Groundmass 125-300µm	Tutuila, Samoa	Anthony Koppers	0.03	28.03	0.01	0.0017013	0.26	1.00378	0.16	1.0123	1.012E-19	30	MAR	2007	10	55	001	OSU3E06	Samoa	07C1306	01	FCT-3
07C1310	0.09 W	TUT-1 3E6-06	Groundmass 125-300µm	Tutuila, Samoa	Anthony Koppers	0.09	28.03	0.01	0.0017013	0.26	1.00378	0.16	1.012	1.012E-19	30	MAR	2007	11	21	001	OSU3E06	Samoa	07C1306	01	FCT-3
07C1311	0.15 W	TUT-1 3E6-06	Groundmass 125-300µm	Tutuila, Samoa	Anthony Koppers	0.15	28.03	0.01	0.0017013	0.26	1.00378	0.16	1.0123	1.012E-19	30	MAR	2007	11	47	001	OSU3E06	Samoa	07C1306	01	FCT-3
07C1312	0.21 W	TUT-1 3E6-06	Groundmass 125-300µm	Tutuila, Samoa	Anthony Koppers	0.21	28.03	0.01	0.0017013	0.26	1.00378	0.16	1.0135	1.012E-19	30	MAR	2007	12	13	001	OSU3E06	Samoa	07C1306	01	FCT-3
07C1314	0.27 W	TUT-1 3E6-06	Groundmass 125-300µm	Tutuila, Samoa	Anthony Koppers	0.27	28.03	0.01	0.0017013	0.26	1.00378	0.16	1.0137	1.012E-19	30	MAR	2007	13	02	001	OSU3E06	Samoa	07C1306	01	FCT-3
07C1315	0.35 W	TUT-1 3E6-06	Groundmass 125-300µm	Tutuila, Samoa	Anthony Koppers	0.35	28.03	0.01	0.0017013	0.26	1.00378	0.16	1.0139	1.012E-19	30	MAR	2007	13	27	001	OSU3E06	Samoa	07C1306	01	FCT-3
07C1316	0.44 W	TUT-1 3E6-06	Groundmass 125-300µm	Tutuila, Samoa	Anthony Koppers	0.44	28.03	0.01	0.0017013	0.26	1.00378	0.16	1.0139	1.012E-19	30	MAR	2007	13	51	001	OSU3E06	Samoa	07C1306	01	FCT-3
07C1317	0.59 W	TUT-1 3E6-06	Groundmass 125-300µm	Tutuila, Samoa	Anthony Koppers	0.59	28.03	0.01	0.0017013	0.26	1.00378	0.16	1.014	1.012E-19	30	MAR	2007	14	16	001	OSU3E06	Samoa	07C1306	01	FCT-3
07C1319	0.74 W	TUT-1 3E6-06	Groundmass 125-300µm	Tutuila, Samoa	Anthony Koppers	0.74	28.03	0.01	0.0017013	0.26	1.00378	0.16	1.0139	1.012E-19	30	MAR	2007	15	05	001	OSU3E06	Samoa	07C1306	01	FCT-3
07C1320	0.88 W	TUT-1 3E6-06	Groundmass 125-300µm	Tutuila, Samoa	Anthony Koppers	0.88	28.03	0.01	0.0017013	0.26	1.00378	0.16	1.014	1.012E-19	30	MAR	2007	15	29	001	OSU3E06	Samoa	07C1306	01	FCT-3
07C1323	1.06 W	TUT-1 3E6-06	Groundmass 125-300µm	Tutuila, Samoa	Anthony Koppers	1.06	28.03	0.01	0.0017013	0.26	1.00378	0.16	1.0135	1.012E-19	31	MAR	2007	12	51	001	OSU3E06	Samoa	07C1306	01	FCT-3
07C1324	1.33 W	TUT-1 3E6-06	Groundmass 125-300µm	Tutuila, Samoa	Anthony Koppers	1.33	28.03	0.01	0.0017013	0.26	1.00378	0.16	1.0138	1.012E-19	31	MAR	2007	13	16	001	OSU3E06	Samoa	07C1306	01	FCT-3
07C1325	1.68 W	TUT-1 3E6-06	Groundmass 125-300µm	Tutuila, Samoa	Anthony Koppers	1.68	28.03	0.01	0.0017013	0.26	1.00378	0.16	1.0139	1.012E-19	31	MAR	2007	13	41	001	OSU3E06	Samoa	07C1306	01	FCT-3
07C1327	2.12 W	TUT-1 3E6-06	Groundmass 125-300µm	Tutuila, Samoa	Anthony Koppers	2.12	28.03	0.01	0.0017013	0.26	1.00378	0.16	1.0139	1.012E-19	31	MAR	2007	14	30	001	OSU3E06	Samoa	07C1306	01	FCT-3
07C1328	2.48 W	TUT-1 3E6-06	Groundmass 125-300µm	Tutuila, Samoa	Anthony Koppers	2.48	28.03	0.01	0.0017013	0.26	1.00378	0.16	1.0139	1.012E-19	31	MAR	2007	14	54	001	OSU3E06	Samoa	07C1306	01	FCT-3
07C1329	3.12 W	TUT-1 3E6-06	Groundmass 125-300µm	Tutuila, Samoa	Anthony Koppers	3.12	28.03	0.01	0.0017013	0.26	1.00378	0.16	1.0139	1.012E-19	31	MAR	2007	15	19	001	OSU3E06	Samoa	07C1306	01	FCT-3
07C1330	3.45 W	TUT-1 3E6-06	Groundmass 125-300µm	Tutuila, Samoa	Anthony Koppers	3.45	28.03	0.01	0.0017013	0.26	1.00378	0.16	1.0139	1.012E-19	31	MAR	2007	15	41	001	OSU3E06	Samoa	07C1306	01	FCT-3
07C1332	4.16 W	TUT-1 3E6-06	Groundmass 125-300µm	Tutuila, Samoa	Anthony Koppers	4.16	28.03	0.01	0.0017013	0.26	1.00378	0.16	1.0141	1.012E-19	31	MAR	2007	16	24	001	OSU3E06	Samoa	07C1306	01	FCT-3
07C1333	4.78 W	TUT-1 3E6-06	Groundmass 125-300µm	Tutuila, Samoa	Anthony Koppers	4.78	28.03	0.01	0.0017013	0.26	1.00378	0.16	1.0141	1.012E-19	31	MAR	2007	16	46	001	OSU3E06	Samoa	07C1306	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
07C1306	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
07C1307	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
07C1309	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
07C1310	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
07C1311	0.15 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
07C1312	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
07C1314	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
07C1315	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
07C1316	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
07C1317	0.59 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
07C1319	0.74 W	295.5	0	0.018	35	0.1869	0	1.493	3	0.000709	1.83	0.000032	21.9	0.000269	0.37	0.00165	24.9	0.01211	0.1	0	0	0.43	2	0	0	0	0
07C1320	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
07C1323	1.06 W	295.5	0	0.018	35	0.1869	0	1.493	3	0.000709	1.83	0.000032	21.9	0.000269	0.37	0.00165	24.9	0.01211	0.1	0	0	0.43	2	0	0	0	0
07C1324	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
07C1325	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
07C1327	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
07C1328	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
07C1329	3.12 W	295.5	0	0.018	35	0.1869	0	1.493	3	0.000709	1.83	0.000032	21.9	0.000269	0.37	0.00165	24.9	0.01211	0.1	0	0	0.43	2	0	0	0	0
07C1330	3.45 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
07C1332	4.16 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
07C1333	4.78 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

07C1306.AGE >>> TUT-1 3E6-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
1.03 ± 0.03
TOTAL FUSION
1.29 ± 0.07
NORMAL ISOCHRON
1.00 ± 0.06
INVERSE ISOCHRON
1.00 ± 0.06

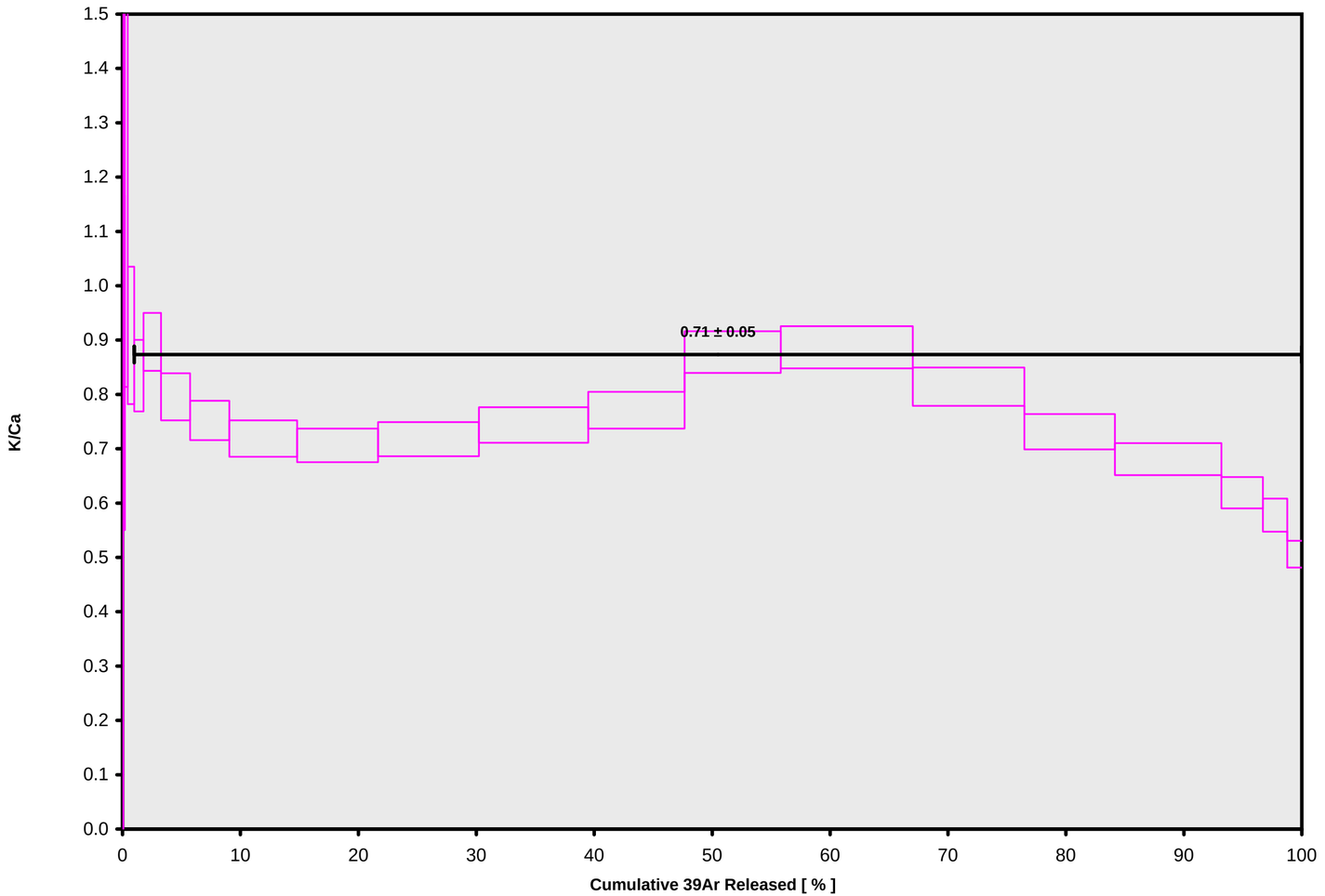
MSWD (PROBABILITY)
0.79 (70%)

Sample Info

Groundmass 125-300µm
Tutuila, Samoa
Anthony Koppers

IRR = OSU3E06
J = 0.00170130 ± 0.00000442

07C1306.AGE >>> TUT-1 3E6-06 >>> SAMOA PROJECT



Ar-Ages in Ma

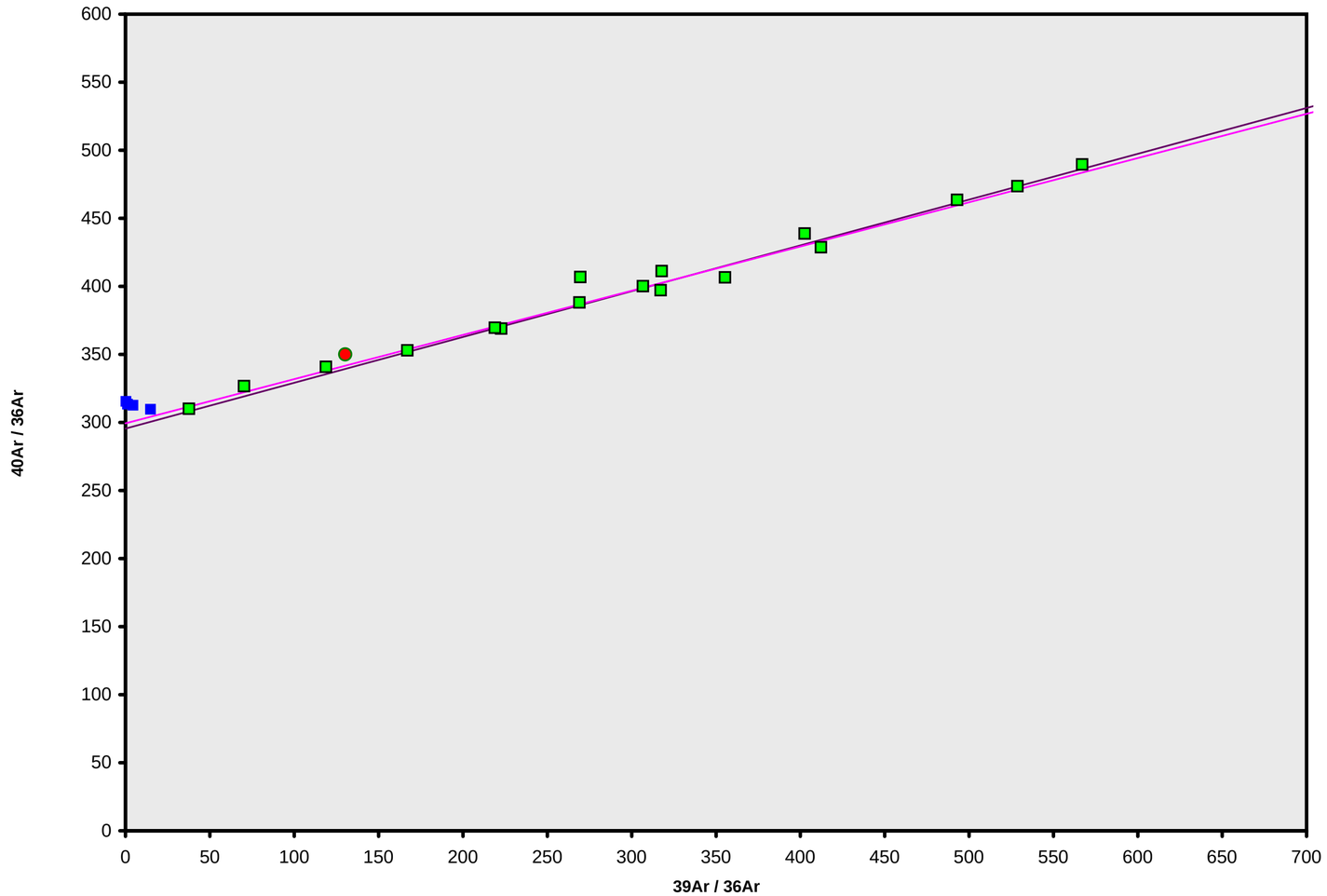
WEIGHTED PLATEAU
1.03 ± 0.03
TOTAL FUSION
1.29 ± 0.07
NORMAL ISOCHRON
1.00 ± 0.06
INVERSE ISOCHRON
1.00 ± 0.06

Sample Info

Groundmass 125-300µm
Tutuila, Samoa
Anthony Koppers

IRR = OSU3E06
J = 0.00170130 ± 0.00000442

07C1306.AGE >>> TUT-1 3E6-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
1.03 ± 0.03
TOTAL FUSION
1.29 ± 0.07
NORMAL ISOCHRON
1.00 ± 0.06
INVERSE ISOCHRON
1.00 ± 0.06

MSWD (PROBABILITY)
0.71 (78%)

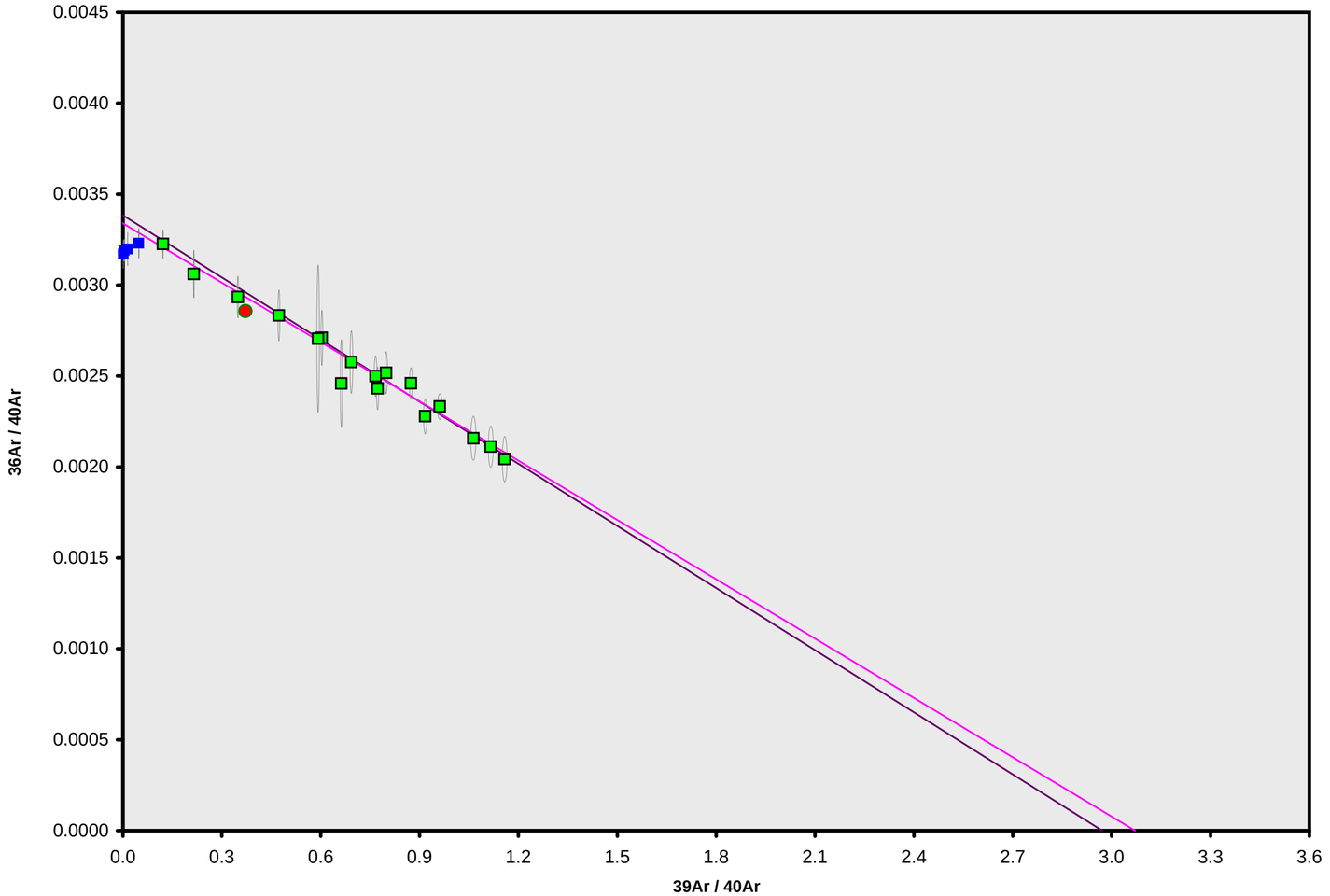
40AR/36AR INTERCEPT
299.4 ± 6.1

Sample Info

Groundmass 125-300µm
Tutuila, Samoa
Anthony Koppers

IRR = OSU3E06
J = 0.00170130 ± 0.00000442

07C1306.AGE >>> TUT-1 3E6-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
1.03 ± 0.03
TOTAL FUSION
1.29 ± 0.07
NORMAL ISOCHRON
1.00 ± 0.06
INVERSE ISOCHRON
1.00 ± 0.06

MSWD (PROBABILITY)
0.72 (76%)

SPREADING FACTOR
33.8%

40AR/36AR INTERCEPT
299.5 ± 6.1

Sample Info

Groundmass 125-300µm
Tutuila, Samoa
Anthony Koppers

IRR = OSU3E06
J = 0.00170130 ± 0.00000442