

Incremental Heating		36Ar(a)	37Ar(ca)	38Ar(cl)	39Ar(k)	40Ar(r)	Age ± 2σ (Ma)	40Ar(r) (%)	39Ar(k) (%)	K/Ca ± 2σ
07C1136	0.00 W	0.001708	0.001004	0.000015	0.000454	0.010972	72.45 ± 70.11	2.13	0.04	0.194 ± 0.128
07C1137	0.01 W	0.001172	0.003168	0.000030	0.001272	0.012278	29.28 ± 29.62	3.42	0.11	0.173 ± 0.038
07C1139	0.02 W	0.000860	0.005223	0.000007	0.002155	0.014598	20.60 ± 10.83	5.43	0.19	0.177 ± 0.026
07C1140	0.03 W	0.000459	0.011571	0.000007	0.004786	0.020934	13.33 ± 4.17	13.38	0.43	0.178 ± 0.013
07C1141	0.09 W ✓	0.000276	0.016956	0.000000	0.006828	0.025992	11.60 ± 2.24	24.17	0.61	0.173 ± 0.011
07C1143	0.12 W ✓	0.000156	0.028219	0.000014	0.011893	0.052875	13.54 ± 1.05	53.40	1.06	0.181 ± 0.009
07C1144	0.18 W ✓	0.000096	0.046846	0.000005	0.019811	0.085430	13.14 ± 0.80	74.99	1.77	0.182 ± 0.009
07C1145	0.27 W ✓	0.000077	0.066291	0.000000	0.028969	0.123083	12.95 ± 0.60	84.41	2.58	0.188 ± 0.009
07C1147	0.35 W ✓	0.000068	0.084905	0.000000	0.038716	0.164475	12.94 ± 0.31	89.10	3.45	0.196 ± 0.009
07C1148	0.41 W ✓	0.000049	0.100991	0.000000	0.047953	0.208201	13.23 ± 0.25	93.45	4.27	0.204 ± 0.009
07C1149	0.44 W ✓	0.000051	0.111102	0.000003	0.055196	0.239764	13.23 ± 0.27	94.05	4.92	0.214 ± 0.009
07C1151	0.53 W ✓	0.000057	0.123807	0.000000	0.070177	0.299879	13.02 ± 0.22	94.62	6.25	0.244 ± 0.011
07C1152	0.56 W ✓	0.000041	0.108716	0.000000	0.069846	0.299030	13.04 ± 0.28	96.06	6.22	0.276 ± 0.013
07C1153	0.62 W ✓	0.000050	0.099135	0.000000	0.067178	0.286737	13.00 ± 0.27	95.02	5.99	0.291 ± 0.013
07C1154	0.74 W ✓	0.000073	0.111057	0.000000	0.083860	0.355683	12.92 ± 0.23	94.23	7.47	0.325 ± 0.015
07C1156	0.80 W ✓	0.000071	0.113038	0.000000	0.093770	0.392477	12.75 ± 0.17	94.87	8.36	0.357 ± 0.016
07C1157	0.88 W ✓	0.000064	0.078227	0.000000	0.071717	0.300187	12.75 ± 0.27	94.03	6.39	0.394 ± 0.018
07C1158	1.00 W ✓	0.000058	0.067880	0.000000	0.065225	0.275484	12.87 ± 0.28	94.09	5.81	0.413 ± 0.019
07C1160	1.09 W ✓	0.000058	0.070302	0.000000	0.067153	0.280655	12.73 ± 0.31	94.17	5.98	0.411 ± 0.019
07C1161	1.24 W ✓	0.000065	0.059419	0.000000	0.056096	0.232425	12.63 ± 0.25	92.30	5.00	0.406 ± 0.019
07C1162	1.30 W	0.000079	0.060434	0.000024	0.050311	0.205598	12.45 ± 0.29	89.72	4.48	0.358 ± 0.016
07C1163	1.41 W	0.000103	0.058213	0.000002	0.040607	0.162522	12.20 ± 0.38	84.20	3.62	0.300 ± 0.014
07C1165	1.68 W	0.000091	0.078628	0.000037	0.041295	0.168205	12.41 ± 0.32	86.21	3.68	0.226 ± 0.010
07C1166	1.95 W	0.000138	0.136702	0.000074	0.041707	0.162555	11.88 ± 0.50	79.89	3.72	0.131 ± 0.006
07C1167	2.39 W	0.000188	0.246753	0.000087	0.038926	0.149486	11.70 ± 0.38	72.84	3.47	0.068 ± 0.003
07C1198	3.10 W	0.000146	0.420164	0.000127	0.029325	0.113008	11.75 ± 3.16	72.31	2.61	0.030 ± 0.001
07C1199	3.80 W	0.000220	0.215470	0.000044	0.008778	0.040134	13.93 ± 10.61	38.16	0.78	0.018 ± 0.001
07C1200	4.45 W	0.000429	0.161957	0.000040	0.004777	0.031780	20.23 ± 19.89	20.03	0.43	0.013 ± 0.001
07C1202	4.86 W	0.000514	0.140172	0.000029	0.003429	0.024043	21.31 ± 27.18	13.65	0.31	0.011 ± 0.000
Σ		0.007420	2.826350	0.000545	1.122209	4.738488				

Information on Analysis	Results	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (% ,n)	K/Ca ± 2σ
Sample = BAY-1 3E7-06 Material = Groundmass 210-300μm Location = Bayonnaise, Samoa Analyst = John Huard Project = SAMOA Mass Discrimination Law = LIN Irradiation = OSU3E06 J = 0.00169100 ± 0.00000457 FCT-3 = 28.030 ± 0.003 Ma	Age Plateau Error Mean	4.2403 ± 0.0325 ± 0.77%	12.92 ± 0.12 ± 0.93%	1.96 1%	76.13 16	0.234 ± 0.037
		Minimal External Error ± 0.26 Analytical Error ± 0.10		1.37 1.3992	2σ Confidence Limit Error Magnification	
	Total Fusion Age	4.2225 ± 0.0617 ± 1.46%	12.87 ± 0.20 ± 1.55%		29	0.171 ± 0.007
		Minimal External Error ± 0.30 Analytical Error ± 0.19				

Normal Isochron		39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
07C1136	0.00 W	0.3 ± 0.0	301.9 ± 6.5	0.2569
07C1137	0.01 W	1.1 ± 0.1	306.0 ± 11.1	0.7639
07C1139	0.02 W	2.5 ± 0.1	312.5 ± 9.5	0.8713
07C1140	0.03 W	10.4 ± 0.5	341.2 ± 16.5	0.9673
07C1141	0.09 W ✓	24.8 ± 1.5	389.7 ± 23.9	0.9826
07C1143	0.12 W ✓	76.2 ± 6.6	634.3 ± 55.4	0.9934
07C1144	0.18 W ✓	205.7 ± 36.8	1182.5 ± 211.8	0.9978
07C1145	0.27 W ✓	377.3 ± 93.0	1898.7 ± 468.2	0.9994
07C1147	0.35 W ✓	570.3 ± 105.9	2718.3 ± 504.8	0.9991
07C1148	0.41 W ✓	976.4 ± 240.4	4535.0 ± 1116.6	0.9995
07C1149	0.44 W ✓	1082.2 ± 319.0	4996.4 ± 1472.7	0.9997
07C1151	0.53 W ✓	1223.6 ± 312.7	5524.1 ± 1411.2	0.9994
07C1152	0.56 W ✓	1696.5 ± 791.6	7558.9 ± 3526.3	0.9998
07C1153	0.62 W ✓	1331.8 ± 448.9	5979.8 ± 2014.8	0.9995
07C1154	0.74 W ✓	1145.0 ± 271.8	5151.9 ± 1221.9	0.9991
07C1156	0.80 W ✓	1314.4 ± 295.4	5797.1 ± 1302.7	0.9997
07C1157	0.88 W ✓	1119.3 ± 351.4	4980.4 ± 1563.6	0.9998
07C1158	1.00 W ✓	1119.8 ± 370.5	5025.2 ± 1662.2	0.9998
07C1160	1.09 W ✓	1149.7 ± 430.6	5100.5 ± 1910.2	0.9998
07C1161	1.24 W ✓	859.4 ± 196.1	3856.2 ± 879.9	0.9996
07C1162	1.30 W	633.1 ± 125.9	2882.7 ± 573.2	0.9995
07C1163	1.41 W	394.4 ± 64.2	1874.2 ± 305.0	0.9990
07C1165	1.68 W	454.6 ± 71.6	2147.2 ± 338.3	0.9991
07C1166	1.95 W	301.7 ± 50.1	1471.4 ± 244.1	0.9993
07C1167	2.39 W	206.6 ± 17.2	1088.8 ± 90.2	0.9949
07C1198	3.10 W	200.5 ± 99.4	1068.0 ± 549.8	0.9628
07C1199	3.80 W	39.9 ± 13.3	477.9 ± 187.4	0.8496
07C1200	4.45 W	11.1 ± 2.0	369.5 ± 83.2	0.7919
07C1202	4.86 W	6.7 ± 1.0	342.2 ± 64.9	0.7547

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron No Convergence	289.9668 ± 21.1108 ± 7.28%	4.2344 ± 0.0389 ± 0.92%	12.90 ± 0.14 ± 1.06%	2.02 1%
			Minimal External Error ± 0.26 Analytical Error ± 0.12	
Statistics	2σ Confidence Limit Error Magnification Number of Data Points	1.76 1.4227 16	Convergence Number of Iterations Calculated Line	0.0001227252 100 Weighted York-2

Inverse Isochron		39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
07C1136	0.00 W	0.000880 ± 0.000070	0.003312 ± 0.000071	0.0039
07C1137	0.01 W	0.003547 ± 0.000107	0.003268 ± 0.000118	0.0091
07C1139	0.02 W	0.008022 ± 0.000136	0.003200 ± 0.000097	0.0196
07C1140	0.03 W	0.030592 ± 0.000382	0.002931 ± 0.000142	0.0692
07C1141	0.09 W ✓	0.063509 ± 0.000729	0.002566 ± 0.000158	0.0890
07C1143	0.12 W ✓	0.120137 ± 0.001205	0.001577 ± 0.000138	0.0891
07C1144	0.18 W ✓	0.173943 ± 0.002049	0.000846 ± 0.000151	0.0399
07C1145	0.27 W ✓	0.198732 ± 0.001688	0.000527 ± 0.000130	0.0232
07C1147	0.35 W ✓	0.209805 ± 0.001615	0.000368 ± 0.000068	0.0242
07C1148	0.41 W ✓	0.215312 ± 0.001607	0.000221 ± 0.000054	0.0176
07C1149	0.44 W ✓	0.216597 ± 0.001676	0.000200 ± 0.000059	0.0060
07C1151	0.53 W ✓	0.221500 ± 0.001922	0.000181 ± 0.000046	0.0036
07C1152	0.56 W ✓	0.224443 ± 0.002214	0.000132 ± 0.000062	0.0026
07C1153	0.62 W ✓	0.222708 ± 0.002468	0.000167 ± 0.000056	0.0044
07C1154	0.74 W ✓	0.222248 ± 0.002294	0.000194 ± 0.000046	0.0027
07C1156	0.80 W ✓	0.226740 ± 0.001292	0.000172 ± 0.000039	0.0034
07C1157	0.88 W ✓	0.224732 ± 0.001562	0.000201 ± 0.000063	0.0073
07C1158	1.00 W ✓	0.222843 ± 0.001510	0.000199 ± 0.000066	0.0047
07C1160	1.09 W ✓	0.225409 ± 0.001586	0.000196 ± 0.000073	0.0038
07C1161	1.24 W ✓	0.222856 ± 0.001402	0.000259 ± 0.000059	0.0075
07C1162	1.30 W	0.219619 ± 0.001413	0.000347 ± 0.000069	0.0215
07C1163	1.41 W	0.210461 ± 0.001533	0.000534 ± 0.000087	0.0188
07C1165	1.68 W	0.211717 ± 0.001441	0.000466 ± 0.000073	0.0209
07C1166	1.95 W	0.205048 ± 0.001302	0.000680 ± 0.000113	0.0174
07C1167	2.39 W	0.189726 ± 0.001588	0.000918 ± 0.000076	0.0241
07C1198	3.10 W	0.187700 ± 0.026122	0.000936 ± 0.000482	0.2700
07C1199	3.80 W	0.083481 ± 0.017265	0.002092 ± 0.000821	0.5264
07C1200	4.45 W	0.030106 ± 0.004141	0.002706 ± 0.000610	0.6054
07C1202	4.86 W	0.019475 ± 0.002424	0.002922 ± 0.000554	0.6455

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	298.8285 ± 21.9916	4.2372 ± 0.0409	12.91 ± 0.14	2.09
Error Chron	± 7.36%	± 0.97%	± 1.10%	1%
		Minimal External Error ± 0.27		
		Analytical Error ± 0.12		
Statistics	2σ Confidence Limit	1.76	Convergence	0.0000005863
	Error Magnification	1.4446	Number of Iterations	3
	Number of Data Points	16	Calculated Line	Weighted York-2
	Spreading Factor	69.2%		

Relative Abundances		36Ar	%1σ	37Ar	%1σ	38Ar	%1σ	39Ar	%1σ	40Ar	%1σ	Age ± 2σ (Ma)	40Ar(r) (%)	39Ar(k) (%)	K/Ca ± 2σ
07C1136	0.00 W	0.0017079	1.062	0.0010041	32.611	0.0003392	2.958	0.0004546	3.957	0.5155732	0.129	72.45 ± 70.11	2.13	0.04	0.194 ± 0.128
07C1137	0.01 W	0.0011729	1.798	0.0031681	10.796	0.0002647	3.966	0.0012742	1.504	0.3586098	0.157	29.28 ± 29.62	3.42	0.11	0.173 ± 0.038
07C1139	0.02 W	0.0008610	1.507	0.0052232	6.984	0.0001937	4.827	0.0021584	0.829	0.2686086	0.158	20.60 ± 10.83	5.43	0.19	0.177 ± 0.026
07C1140	0.03 W	0.0004617	2.377	0.0115708	3.072	0.0001513	6.584	0.0047939	0.533	0.1564426	0.323	13.33 ± 4.17	13.38	0.43	0.178 ± 0.013
07C1141	0.09 W ✓	0.0002804	2.996	0.0169562	2.463	0.0001326	7.543	0.0068398	0.415	0.1075196	0.396	11.60 ± 2.24	24.17	0.61	0.173 ± 0.011
07C1143	0.12 W ✓	0.0001637	4.144	0.0282190	1.446	0.0001877	4.610	0.0119130	0.237	0.0990150	0.442	13.54 ± 1.05	53.40	1.06	0.181 ± 0.009
07C1144	0.18 W ✓	0.0001089	7.907	0.0468465	1.152	0.0002646	4.175	0.0198438	0.369	0.1139243	0.458	13.14 ± 0.80	74.99	1.77	0.182 ± 0.009
07C1145	0.27 W ✓	0.0000946	9.999	0.0662913	1.170	0.0003653	2.449	0.0290160	0.242	0.1458164	0.348	12.95 ± 0.60	84.41	2.58	0.188 ± 0.009
07C1147	0.35 W ✓	0.0000907	6.940	0.0849051	0.849	0.0004757	2.158	0.0387766	0.248	0.1845986	0.294	12.94 ± 0.31	89.10	3.45	0.196 ± 0.009
07C1148	0.41 W ✓	0.0000763	7.916	0.1009905	0.938	0.0005806	2.093	0.0480245	0.241	0.2227924	0.284	13.23 ± 0.25	93.45	4.27	0.204 ± 0.009
07C1149	0.44 W ✓	0.0000809	9.286	0.1111016	0.857	0.0006848	1.837	0.0552752	0.339	0.2549263	0.184	13.23 ± 0.27	94.05	4.92	0.214 ± 0.009
07C1151	0.53 W ✓	0.0000907	8.073	0.1238067	0.882	0.0008283	1.949	0.0702648	0.409	0.3169425	0.142	13.02 ± 0.22	94.62	6.25	0.244 ± 0.011
07C1152	0.56 W ✓	0.0000704	13.630	0.1087158	0.997	0.0008274	1.158	0.0699227	0.462	0.3113114	0.171	13.04 ± 0.28	96.06	6.22	0.276 ± 0.013
07C1153	0.62 W ✓	0.0000771	11.015	0.0991350	0.875	0.0008035	1.738	0.0672486	0.515	0.3017537	0.202	13.00 ± 0.27	95.02	5.99	0.291 ± 0.013
07C1154	0.74 W ✓	0.0001031	8.418	0.1110574	0.874	0.0010125	0.874	0.0839384	0.500	0.3774633	0.128	12.92 ± 0.23	94.23	7.47	0.325 ± 0.015
07C1156	0.80 W ✓	0.0001017	7.872	0.1130378	0.868	0.0011232	1.362	0.0938502	0.265	0.4137125	0.103	12.75 ± 0.17	94.87	8.36	0.357 ± 0.016
07C1157	0.88 W ✓	0.0000851	11.813	0.0782268	1.026	0.0008783	1.413	0.0717721	0.285	0.3192394	0.199	12.75 ± 0.27	94.03	6.39	0.394 ± 0.018
07C1158	1.00 W ✓	0.0000765	12.588	0.0678800	1.029	0.0007938	1.380	0.0652733	0.298	0.2928029	0.161	12.87 ± 0.28	94.09	5.81	0.413 ± 0.019
07C1160	1.09 W ✓	0.0000773	14.143	0.0703020	1.033	0.0008223	1.176	0.0672024	0.313	0.2980253	0.159	12.73 ± 0.31	94.17	5.98	0.411 ± 0.019
07C1161	1.24 W ✓	0.0000813	9.161	0.0594186	1.104	0.0006910	1.734	0.0561381	0.268	0.2518062	0.164	12.63 ± 0.25	92.30	5.00	0.406 ± 0.019
07C1162	1.30 W	0.0000957	8.248	0.0604337	1.089	0.0006497	2.096	0.0503534	0.186	0.2291635	0.262	12.45 ± 0.29	89.72	4.48	0.358 ± 0.016
07C1163	1.41 W	0.0001186	7.058	0.0582135	1.156	0.0005146	1.868	0.0406485	0.277	0.1930110	0.236	12.20 ± 0.38	84.20	3.62	0.300 ± 0.014
07C1165	1.68 W	0.0001120	6.383	0.0786280	1.034	0.0005571	2.145	0.0413506	0.244	0.1951159	0.236	12.41 ± 0.32	86.21	3.68	0.226 ± 0.010
07C1166	1.95 W	0.0001750	6.546	0.1367019	0.959	0.0006092	1.366	0.0418044	0.234	0.2034722	0.214	11.88 ± 0.50	79.89	3.72	0.131 ± 0.006
07C1167	2.39 W	0.0002549	3.052	0.2467527	0.765	0.0006018	1.764	0.0391012	0.364	0.2052356	0.204	11.70 ± 0.38	72.84	3.47	0.068 ± 0.003
07C1198	3.10 W	0.0002594	13.974	0.4201644	0.729	0.0005229	1.964	0.0296232	0.230	0.1562833	6.952	11.75 ± 3.16	72.31	2.61	0.030 ± 0.001
07C1199	3.80 W	0.0002780	13.189	0.2154697	0.761	0.0001980	3.936	0.0089311	0.424	0.1051683	10.330	13.93 ± 10.61	38.16	0.78	0.018 ± 0.001
07C1200	4.45 W	0.0004730	8.118	0.1619573	0.840	0.0001828	5.538	0.0048915	0.623	0.1586696	6.848	20.23 ± 19.89	20.03	0.43	0.013 ± 0.001
07C1202	4.86 W	0.0005522	6.707	0.1401716	0.819	0.0001716	4.486	0.0035285	0.769	0.1760769	6.171	21.31 ± 27.18	13.65	0.31	0.011 ± 0.000
Σ		0.0081809	1.099	2.8263496	0.204	0.0154283	0.383	1.1242128	0.081	6.9330804	0.316				

Information on Analysis and Constants Used in Calculations
Sample = BAY-1 3E7-06
Material = Groundmass 210-300μm
Location = Bayonnaise, Samoa
Analyst = John Huard
Project = SAMOA
Mass Discrimination Law = LIN
Irradiation = OSU3E06
J = 0.00169100 ± 0.00000457
FCT-3 = 28.030 ± 0.003 Ma
IGSN = KOP000056
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°36.0'S - 179°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
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 Error Mean	4.2403 ± 0.0325 ± 0.77%	12.92 ± 0.12 ± 0.93%	1.96 1%	76.13 16	0.234 ± 0.037
	Minimal External Error ± 0.26		1.37	2σ Confidence Limit	
	Analytical Error ± 0.10		1.3992	Error Magnification	
Total Fusion Age	4.2225 ± 0.0617 ± 1.46%	12.87 ± 0.20 ± 1.55%		29	0.171 ± 0.007
	Minimal External Error ± 0.30				
	Analytical Error ± 0.19				
Normal Isochron No Convergence	4.2344 ± 0.0389 ± 0.92%	12.90 ± 0.14 ± 1.06%	2.02 1%	76.13 16	
	Minimal External Error ± 0.26		1.76	2σ Confidence Limit	
	Analytical Error ± 0.12		1.4227	Error Magnification	
Inverse Isochron Error Chron	4.2372 ± 0.0409 ± 0.97%	12.91 ± 0.14 ± 1.10%	2.09 1%	76.13 16	
	Minimal External Error ± 0.27		1.76	2σ Confidence Limit	
	Analytical Error ± 0.12		1.4446	Error Magnification	

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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
07C1136	0.00 W	0.001708	1.06	0.000000	0.00	0.000000	32.61	0.000000	72.94	0.001004	32.61	0.000319	1.06	0.000000	0.00	0.000005	3.96	0.000000	39.28	0.000015	73.14	0.000454	3.96	0.000001	32.66	0.010972	49.20	0.504600	1.06	0.000000	0.00	0.000001	25.21
07C1137	0.01 W	0.001172	1.80	0.000000	0.00	0.000001	10.80	0.000000	37.57	0.003168	10.80	0.000219	1.80	0.000000	0.00	0.000015	1.51	0.000000	24.42	0.000030	37.95	0.001272	1.51	0.000002	10.95	0.012278	50.97	0.346330	1.80	0.000000	0.00	0.000002	24.95
07C1139	0.02 W	0.000860	1.51	0.000000	0.00	0.000001	6.99	0.000000	142.71	0.005223	6.98	0.000161	1.51	0.000000	0.00	0.000026	0.84	0.000000	22.99	0.000007	142.81	0.002155	0.83	0.000004	7.22	0.014598	26.42	0.254007	1.51	0.000000	0.00	0.000004	24.91
07C1140	0.03 W	0.000459	2.39	0.000000	0.00	0.000003	3.09	0.000000	140.63	0.011571	3.07	0.000086	2.39	0.000000	0.00	0.000058	0.54	0.000000	22.11	0.000007	140.74	0.004786	0.53	0.000008	3.58	0.020934	15.68	0.135500	2.39	0.000000	0.00	0.000008	24.91
07C1141	0.09 W ✓	0.000276	3.05	0.000000	0.00	0.000005	2.49	0.000000	0.00	0.016956	2.46	0.000052	3.05	0.000000	0.00	0.000083	0.43	0.000001	22.04	0.000000	0.00	0.006828	0.42	0.000012	3.07	0.025992	9.69	0.081516	3.05	0.000000	0.00	0.000011	24.90
07C1143	0.12 W ✓	0.000156	4.35	0.000000	0.00	0.000008	1.49	0.000000	64.49	0.028219	1.45	0.000029	4.35	0.000000	0.00	0.000144	0.26	0.000001	21.95	0.000014	64.71	0.011893	0.24	0.000020	2.33	0.052875	3.88	0.046121	4.35	0.000000	0.00	0.000020	24.90
07C1144	0.18 W ✓	0.000096	8.94	0.000000	0.00	0.000013	1.21	0.000000	216.66	0.046846	1.15	0.000018	8.94	0.000000	0.00	0.000240	0.38	0.000001	21.93	0.000005	216.73	0.019811	0.37	0.000033	2.16	0.085430	3.04	0.028462	8.94	0.000000	0.00	0.000033	24.90
07C1145	0.27 W ✓	0.000077	12.32	0.000000	0.00	0.000018	1.23	0.000000	0.00	0.066291	1.17	0.000014	12.32	0.000000	0.00	0.000351	0.26	0.000002	21.93	0.000000	0.00	0.028969	0.24	0.000047	2.17	0.123083	2.31	0.022686	12.32	0.000000	0.00	0.000048	24.90
07C1147	0.35 W ✓	0.000068	9.28	0.000000	0.00	0.000023	0.93	0.000000	0.00	0.084905	0.85	0.000013	9.28	0.000000	0.00	0.000469	0.27	0.000003	21.92	0.000000	0.00	0.038716	0.25	0.000060	2.02	0.164475	1.18	0.020060	9.28	0.000000	0.00	0.000064	24.90
07C1148	0.41 W ✓	0.000049	12.31	0.000000	0.00	0.000027	1.01	0.000000	0.00	0.100991	0.94	0.000009	12.31	0.000000	0.00	0.000581	0.26	0.000003	21.92	0.000000	0.00	0.047953	0.24	0.000072	2.06	0.208201	0.91	0.014512	12.31	0.000000	0.00	0.000079	24.90
07C1149	0.44 W ✓	0.000051	14.74	0.000000	0.00	0.000030	0.93	0.000000	390.59	0.111102	0.86	0.000010	14.74	0.000000	0.00	0.000668	0.35	0.000004	21.92	0.000003	390.62	0.055196	0.34	0.000079	2.02	0.239764	0.95	0.015072	14.74	0.000000	0.00	0.000091	24.90
07C1151	0.53 W ✓	0.000057	12.77	0.000000	0.00	0.000033	0.96	0.000000	0.00	0.123807	0.88	0.000011	12.77	0.000000	0.00	0.000850	0.42	0.000004	21.92	0.000000	0.00	0.070177	0.41	0.000088	2.03	0.299879	0.74	0.016948	12.77	0.000000	0.00	0.000116	24.90
07C1152	0.56 W ✓	0.000041	23.32	0.000000	0.00	0.000029	1.06	0.000000	0.00	0.108716	1.00	0.000008	23.32	0.000000	0.00	0.000846	0.47	0.000003	21.92	0.000000	0.00	0.069846	0.46	0.000077	2.08	0.299030	0.97	0.012166	23.32	0.000000	0.00	0.000115	24.90
07C1153	0.62 W ✓	0.000050	16.85	0.000000	0.00	0.000027	0.95	0.000000	0.00	0.099135	0.87	0.000009	16.85	0.000000	0.00	0.000814	0.53	0.000003	21.92	0.000000	0.00	0.067178	0.52	0.000070	2.03	0.286737	0.90	0.014906	16.85	0.000000	0.00	0.000111	24.91
07C1154	0.74 W ✓	0.000073	11.86	0.000000	0.00	0.000030	0.95	0.000000	0.00	0.111057	0.87	0.000014	11.86	0.000000	0.00	0.001016	0.51	0.000004	21.92	0.000000	0.00	0.083860	0.50	0.000079	2.03	0.355683	0.73	0.021642	11.86	0.000000	0.00	0.000138	24.91
07C1156	0.80 W ✓	0.000071	11.24	0.000000	0.00	0.000030	0.94	0.000000	0.00	0.113038	0.87	0.000013	11.24	0.000000	0.00	0.001136	0.28	0.000004	21.92	0.000000	0.00	0.093770	0.27	0.000080	2.03	0.392477	0.61	0.021080	11.24	0.000000	0.00	0.000155	24.90
07C1157	0.88 W ✓	0.000064	15.70	0.000000	0.00	0.000021	1.09	0.000000	0.00	0.078227	1.03	0.000012	15.70	0.000000	0.00	0.000868	0.30	0.000003	21.92	0.000000	0.00	0.071717	0.28	0.000055	2.10	0.300187	1.01	0.018934	15.70	0.000000	0.00	0.000118	24.90
07C1158	1.00 W ✓	0.000058	16.54	0.000000	0.00	0.000018	1.09	0.000000	0.00	0.067880	1.03	0.000011	16.54	0.000000	0.00	0.000790	0.31	0.000002	21.92	0.000000	0.00	0.065225	0.30	0.000048	2.10	0.275484	1.05	0.017211	16.54	0.000000	0.00	0.000108	24.90
07C1160	1.09 W ✓	0.000058	18.73	0.000000	0.00	0.000019	1.10	0.000000	0.00	0.070302	1.03	0.000011	18.73	0.000000	0.00	0.000813	0.33	0.000002	21.92	0.000000	0.00	0.067153	0.31	0.000050	2.10	0.280655	1.16	0.017260	18.73	0.000000	0.00	0.000111	24.90
07C1161	1.24 W ✓	0.000065	11.41	0.000000	0.00	0.000016	1.16	0.000000	0.00	0.059419	1.10	0.000012	11.41	0.000000	0.00	0.000679	0.29	0.000002	21.93	0.000000	0.00	0.056096	0.27	0.000042	2.14	0.232425	0.96	0.019289	11.41	0.000000	0.00	0.000093	24.90
07C1162	1.30 W	0.000079	9.94	0.000000	0.00	0.000016	1.15	0.000000	58.33	0.060434	1.09	0.000015	9.94	0.000000	0.00	0.000609	0.21	0.000002	21.93	0.000024	58.58	0.050311	0.19	0.000043	2.13	0.205598	1.17	0.023483	9.94	0.000000	0.00	0.000083	24.90
07C1163	1.41 W	0.000103	8.13	0.000000	0.00	0.000016	1.21	0.000000	570.20	0.058213	1.16	0.000019	8.13	0.000000	0.00	0.000492	0.29	0.000002	21.93	0.000002	570.22	0.040607	0.28	0.000041	2.16	0.162522	1.55	0.030422	8.13	0.000000	0.00	0.000067	24.90
07C1165	1.68 W	0.000091	7.87	0.000000	0.00	0.000021	1.10	0.000000	32.75	0.078628	1.03	0.000017	7.87	0.000000	0.00	0.000500	0.26	0.000003	21.92	0.000037	33.19	0.041295	0.24	0.000056	2.10	0.168205	1.29	0.026843	7.87	0.000000	0.00	0.000068	24.90
07C1166	1.95 W	0.000138	8.29	0.000000	0.00	0.000037	1.03	0.000000	13.00	0.136702	0.96	0.000026	8.29	0.000000	0.00	0.000505	0.25	0.000004	21.92	0.000074	14.07	0.041707	0.23	0.000097	2.07	0.162555	2.10	0.040848	8.29	0.000000	0.00	0.000069	24.90
07C1167	2.39 W	0.000188	4.14	0.000000	0.00	0.000066	0.85	0.000000	13.71	0.246753	0.77	0.000035	4.14	0.000000	0.00	0.000471	0.38	0.000008	21.91	0.000087	14.73	0.038926	0.37	0.000175	1.98	0.149486	1.57	0.055686	4.14	0.000000	0.00	0.000064	24.90
07C1198	3.10 W	0.000146	24.78	0.000000	0.00	0.000113	0.82	0.000000	11.35	0.420164	0.73	0.000027	24.78	0.000000	0.00	0.000355	0.25	0.000013	21.91	0.000127	12.56	0.029325	0.23	0.000298	1.97	0.113008	13.50	0.043227	24.78	0.000000	0.00	0.000048	24.90
07C1199	3.80 W	0.000220	16.67	0.000000	0.00	0.000058	0.85	0.000000	24.64	0.215470	0.76	0.000041	16.67	0.000000	0.00	0.000106	0.44	0.000007	21.91	0.000044	25.22	0.008778	0.43	0.000153	1.98	0.040134	38.23	0.065020	16.67	0.000000	0.00	0.000014	24.90
07C1200	4.45 W	0.000429	8.94	0.000000	0.00	0.000044	0.92	0.000000	31.99	0.161957	0.84	0.000080	8.94	0.000000	0.00	0.000058	0.65	0.000005	21.92	0.000040	32.44	0.004777	0.64	0.000115	2.01	0.031780	49.43	0.126882	8.94	0.000000	0.00	0.000008	24.91
07C1202	4.86 W	0.000514	7.20	0.000000	0.00	0.000038	0.90	0.000000	35.75	0.140172	0.82	0.000096	7.20	0.000000	0.00	0.000042	0.80	0.000004	21.92	0.000029	36.15	0.003429	0.79	0.000099	2.00	0.024043	64.14	0.152028	7.20	0.000000	0.00	0.000006	24.91
Σ		0.007420	1.21	0.000000	0.00	0.000760	0.22	0.000000	8.33	2.826350	0.20	0.001387	1.21	0.000000	0.00	0.013590	0.08	0.000090	5.38	0.000545	8.58	1.122209	0.08	0.002004	0.49	4.738488	0.73	2.192740	1.21	0.000000	0.00	0.001852	5.68
Σ								0.008181	1.10	2.826350	0.20									0.015612	0.33			1.124213	0.08					6.933080	0.63		

Additional Parameters		40(r)/39(k)	1 σ	40(r+a)	1 σ	40Ar/39Ar	1 σ	37Ar/39Ar	1 σ	36Ar/39Ar	1 σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
07C1136	0.00 W	24.174660	11.93237	0.515572	0.00066	1134.147536	44.89661	2.208852	0.72561	3.756981	0.15390	175.737	32.25333237	1.00124165	5.218E-20
07C1137	0.01 W	9.653027	4.92209	0.358608	0.00056	281.441740	4.25478	2.486384	0.27101	0.920488	0.02158	175.756	32.26527961	1.00124178	3.629E-20
07C1139	0.02 W	6.775199	1.79102	0.268605	0.00043	124.448847	1.05023	2.419950	0.17019	0.398905	0.00686	175.796	32.29095900	1.00124207	2.718E-20
07C1140	0.03 W	4.374385	0.68627	0.156435	0.00051	32.633715	0.20331	2.413658	0.07525	0.096302	0.00235	175.815	32.30292017	1.00124220	1.583E-20
07C1141	0.09 W ✓	3.806795	0.36926	0.107508	0.00043	15.719741	0.09013	2.479062	0.06192	0.040998	0.00124	175.835	32.31577229	1.00124234	1.088E-20
07C1143	0.12 W ✓	4.445852	0.17283	0.098995	0.00044	8.311501	0.04166	2.368757	0.03472	0.013739	0.00057	175.874	32.34060465	1.00124262	1.002E-20
07C1144	0.18 W ✓	4.312314	0.13213	0.113892	0.00052	5.741047	0.03378	2.360758	0.02855	0.005489	0.00043	175.894	32.35347176	1.00124276	1.153E-20
07C1145	0.27 W ✓	4.248783	0.09863	0.145769	0.00051	5.025387	0.02132	2.284651	0.02729	0.003260	0.00033	175.913	32.36590004	1.00124290	1.476E-20
07C1147	0.35 W ✓	4.248197	0.05118	0.184535	0.00054	4.760573	0.01830	2.189600	0.01936	0.002340	0.00016	175.951	32.39032663	1.00124317	1.868E-20
07C1148	0.41 W ✓	4.341785	0.04089	0.222713	0.00063	4.639138	0.01730	2.102895	0.02036	0.001588	0.00013	175.972	32.40321352	1.00124331	2.255E-20
07C1149	0.44 W ✓	4.343823	0.04370	0.254835	0.00047	4.611947	0.01781	2.009972	0.01852	0.001463	0.00014	175.990	32.41521628	1.00124344	2.580E-20
07C1151	0.53 W ✓	4.273174	0.03605	0.316827	0.00045	4.510687	0.01954	1.762002	0.01713	0.001290	0.00010	176.026	32.43834522	1.00124370	3.207E-20
07C1152	0.56 W ✓	4.281305	0.04583	0.311196	0.00053	4.452220	0.02193	1.554799	0.01708	0.001007	0.00014	176.044	32.44947077	1.00124382	3.150E-20
07C1153	0.62 W ✓	4.268295	0.04432	0.301643	0.00061	4.487138	0.02484	1.474158	0.01497	0.001147	0.00013	176.062	32.46104540	1.00124395	3.054E-20
07C1154	0.74 W ✓	4.241402	0.03768	0.377325	0.00048	4.496909	0.02319	1.323083	0.01332	0.001228	0.00010	176.081	32.47306957	1.00124408	3.820E-20
07C1156	0.80 W ✓	4.185530	0.02797	0.413558	0.00043	4.408223	0.01254	1.204450	0.01093	0.001084	0.00009	176.117	32.49668554	1.00124434	4.187E-20
07C1157	0.88 W ✓	4.185733	0.04402	0.319121	0.00064	4.447957	0.01544	1.089933	0.01160	0.001186	0.00014	176.135	32.50827701	1.00124447	3.231E-20
07C1158	1.00 W ✓	4.223583	0.04599	0.292695	0.00047	4.485800	0.01518	1.039935	0.01114	0.001172	0.00015	176.153	32.51987261	1.00124459	2.963E-20
07C1160	1.09 W ✓	4.179360	0.05038	0.297914	0.00047	4.434741	0.01558	1.046123	0.01130	0.001151	0.00016	176.190	32.54307622	1.00124485	3.016E-20
07C1161	1.24 W ✓	4.143343	0.04143	0.251714	0.00041	4.485481	0.01409	1.058437	0.01202	0.001447	0.00013	176.207	32.55423770	1.00124497	2.548E-20
07C1162	1.30 W	4.086574	0.04851	0.229081	0.00060	4.551106	0.01463	1.200192	0.01326	0.001901	0.00016	176.225	32.56584970	1.00124510	2.319E-20
07C1163	1.41 W	4.002304	0.06294	0.192944	0.00046	4.748295	0.01727	1.432119	0.01702	0.002918	0.00021	176.243	32.57746584	1.00124523	1.953E-20
07C1165	1.68 W	4.073258	0.05333	0.195048	0.00046	4.718573	0.01604	1.901494	0.02021	0.002709	0.00017	176.278	32.59981621	1.00124547	1.975E-20
07C1166	1.95 W	3.897511	0.08240	0.203403	0.00044	4.867243	0.01542	3.270036	0.03227	0.004187	0.00027	176.295	32.61099715	1.00124560	2.059E-20
07C1167	2.39 W	3.840223	0.06178	0.205171	0.00042	5.248824	0.02188	6.310609	0.05346	0.006518	0.00020	176.313	32.62262939	1.00124572	2.077E-20
07C1198	3.10 W	3.853595	0.52040	0.156235	0.01087	5.275710	0.36699	14.183633	0.10847	0.008755	0.00122	180.968	35.76425809	1.00127861	1.582E-20
07C1199	3.80 W	4.571914	1.74810	0.105154	0.01086	11.775505	1.21748	24.125751	0.21020	0.031128	0.00411	180.985	35.77652435	1.00127873	1.064E-20
07C1200	4.45 W	6.653234	3.28917	0.158662	0.01087	32.437962	2.23047	33.110095	0.34640	0.096691	0.00787	181.003	35.78928573	1.00127886	1.606E-20
07C1202	4.86 W	7.011600	4.49778	0.176071	0.01087	49.902001	3.10324	39.726065	0.44619	0.156497	0.01056	181.038	35.81383963	1.00127910	1.782E-20

Procedure Blanks		36Ar	1σ	37Ar	1σ	38Ar	1σ	39Ar	1σ	40Ar	1σ
07C1136	0.00 W	0.000026	0.000006	0.000013	0.000009	0.000014	0.000006	0.000032	0.000015	0.009278	0.000383
07C1137	0.01 W	0.000026	0.000006	0.000014	0.000009	0.000016	0.000006	0.000032	0.000015	0.009536	0.000383
07C1139	0.02 W	0.000027	0.000006	0.000015	0.000009	0.000018	0.000006	0.000035	0.000015	0.010177	0.000383
07C1140	0.03 W	0.000027	0.000006	0.000015	0.000009	0.000018	0.000006	0.000037	0.000015	0.010497	0.000383
07C1141	0.09 W	0.000028	0.000006	0.000014	0.000009	0.000018	0.000006	0.000039	0.000015	0.010845	0.000383
07C1143	0.12 W	0.000030	0.000006	0.000012	0.000009	0.000018	0.000006	0.000046	0.000015	0.011499	0.000383
07C1144	0.18 W	0.000030	0.000006	0.000011	0.000009	0.000017	0.000006	0.000049	0.000015	0.011816	0.000383
07C1145	0.27 W	0.000031	0.000006	0.000010	0.000009	0.000017	0.000006	0.000052	0.000015	0.012101	0.000383
07C1147	0.35 W	0.000033	0.000006	0.000009	0.000009	0.000015	0.000006	0.000059	0.000015	0.012587	0.000383
07C1148	0.41 W	0.000034	0.000006	0.000009	0.000009	0.000013	0.000006	0.000063	0.000015	0.012799	0.000383
07C1149	0.44 W	0.000035	0.000006	0.000009	0.000009	0.000012	0.000006	0.000065	0.000015	0.012967	0.000383
07C1151	0.53 W	0.000036	0.000006	0.000010	0.000009	0.000010	0.000006	0.000070	0.000015	0.013212	0.000383
07C1152	0.56 W	0.000037	0.000006	0.000011	0.000009	0.000008	0.000006	0.000073	0.000015	0.013294	0.000383
07C1153	0.62 W	0.000038	0.000006	0.000012	0.000009	0.000007	0.000006	0.000074	0.000015	0.013358	0.000383
07C1154	0.74 W	0.000038	0.000006	0.000013	0.000009	0.000006	0.000006	0.000076	0.000015	0.013401	0.000383
07C1156	0.80 W	0.000040	0.000006	0.000017	0.000009	0.000004	0.000006	0.000078	0.000015	0.013438	0.000383
07C1157	0.88 W	0.000040	0.000006	0.000019	0.000009	0.000003	0.000006	0.000078	0.000015	0.013440	0.000383
07C1158	1.00 W	0.000041	0.000006	0.000021	0.000009	0.000003	0.000006	0.000078	0.000015	0.013439	0.000383
07C1160	1.09 W	0.000042	0.000006	0.000024	0.000009	0.000003	0.000006	0.000077	0.000015	0.013449	0.000383
07C1161	1.24 W	0.000042	0.000006	0.000026	0.000009	0.000004	0.000006	0.000076	0.000015	0.013473	0.000383
07C1162	1.30 W	0.000043	0.000006	0.000027	0.000009	0.000005	0.000006	0.000075	0.000015	0.013520	0.000383
07C1163	1.41 W	0.000044	0.000006	0.000028	0.000009	0.000006	0.000006	0.000073	0.000015	0.013600	0.000383
07C1165	1.68 W	0.000045	0.000006	0.000029	0.000009	0.000010	0.000006	0.000069	0.000015	0.013875	0.000383
07C1166	1.95 W	0.000046	0.000006	0.000028	0.000009	0.000013	0.000006	0.000066	0.000015	0.014091	0.000383
07C1167	2.39 W	0.000047	0.000006	0.000026	0.000009	0.000017	0.000006	0.000063	0.000015	0.014386	0.000383
07C1198	3.10 W	0.000049	0.000036	0.000027	0.000006	0.000009	0.000006	0.000017	0.000019	0.011492	0.010863
07C1199	3.80 W	0.000051	0.000036	0.000027	0.000006	0.000011	0.000006	0.000023	0.000019	0.012301	0.010863
07C1200	4.45 W	0.000054	0.000036	0.000026	0.000006	0.000012	0.000006	0.000029	0.000019	0.013142	0.010863
07C1202	4.86 W	0.000058	0.000036	0.000025	0.000006	0.000015	0.000006	0.000041	0.000019	0.014759	0.010863

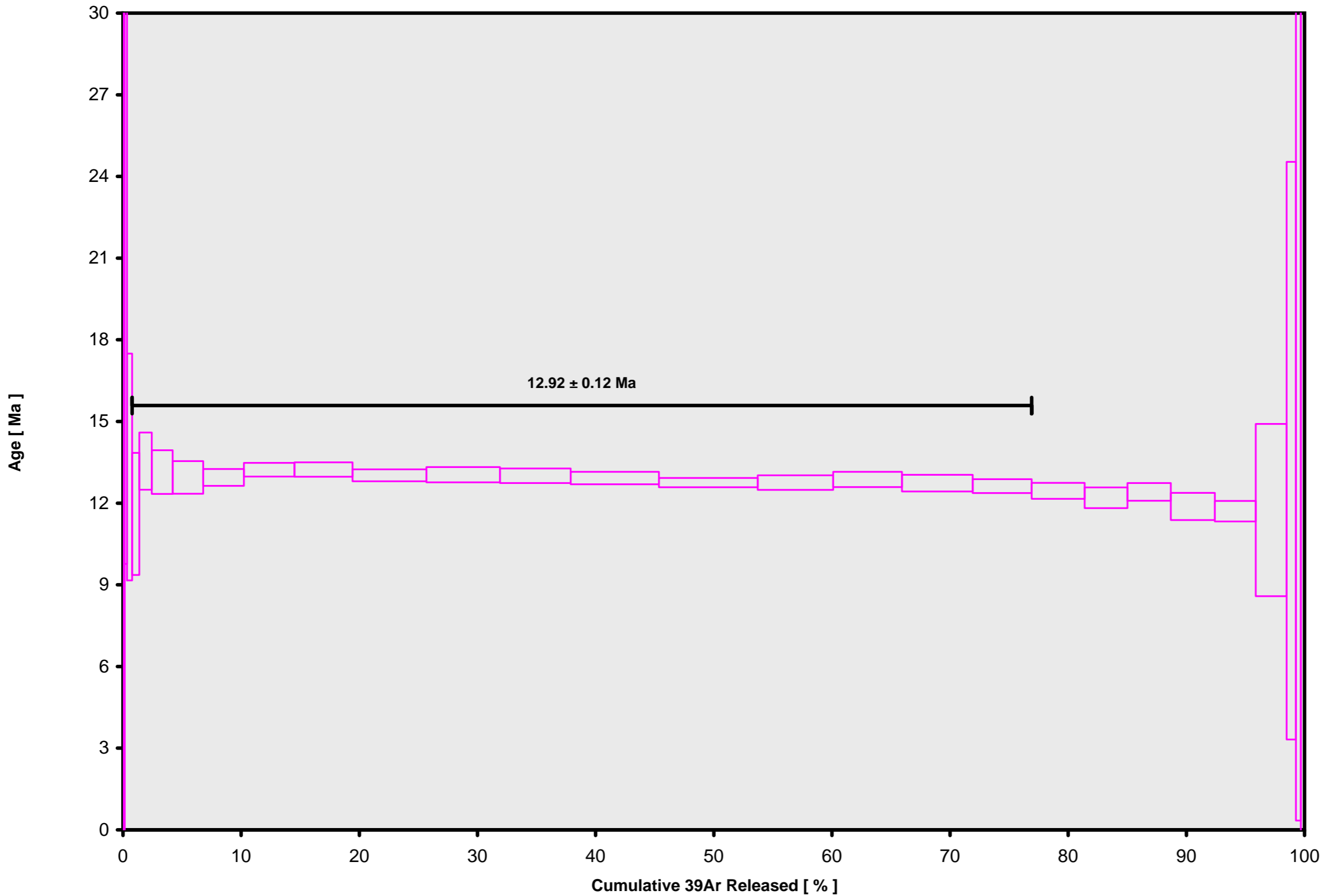
Intercept Values	36Ar			37Ar			38Ar			39Ar			40Ar								
	1σ	r2	Lin #	1σ	r2	Lin #	1σ	r2	Lin #	1σ	r2	Lin #	1σ	r2	Lin #						
07C1136	0.00 W	0.001734	0.000013	0.6182	LIN #	0.000044	0.000006	0.8849	LIN #	0.000351	0.000008	0.1439	LIN #	0.000481	0.000010	0.9987	LIN #	0.517350	0.000536	0.9929	LIN # 1 6
07C1137	0.01 W	0.001199	0.000019	0.2333	LIN #	0.000112	0.000006	0.8275	LIN #	0.000278	0.000008	0.0671	LIN #	0.001291	0.000011	0.9974	LIN #	0.362812	0.000409	0.9747	LIN # 10
07C1139	0.02 W	0.000888	0.000010	0.3641	LIN #	0.000176	0.000007	0.7871	LIN #	0.000210	0.000007	0.5041	LIN #	0.002167	0.000009	0.9974	LIN #	0.274773	0.000183	0.9938	EXP # 1 9
07C1140	0.03 W	0.000489	0.000009	0.0001	LIN # 1	0.000372	0.000007	0.6458	LIN #	0.000168	0.000008	0.1694	LIN #	0.004774	0.000019	0.9765	LIN # 1 10	0.164554	0.000325	0.7400	LIN # 1 2 9
07C1141	0.09 W	0.000308	0.000006	0.1005	LIN # 10	0.000537	0.000009	0.1291	LIN #	0.000150	0.000008	0.3942	LIN #	0.006797	0.000021	0.8819	LIN # 1	0.116661	0.000184	0.8144	LIN # 1
07C1143	0.12 W	0.000193	0.000004	0.7436	LIN #	0.000882	0.000007	0.0137	LIN #	0.000204	0.000006	0.0123	LIN #	0.011813	0.000014	0.6136	LIN # 1	0.108891	0.000208	0.7170	LIN # 1 2 3
07C1144	0.18 W	0.000139	0.000007	0.3847	LIN #	0.001454	0.000010	0.6661	LIN #	0.000280	0.000009	0.0585	LIN #	0.019648	0.000063	0.8144	LIN # 1 9	0.123882	0.000350	0.3171	LIN #
07C1145	0.27 W	0.000126	0.000008	0.1971	LIN #	0.002051	0.000017	0.4624	LIN #	0.000379	0.000006	0.0100	LIN #	0.028711	0.000050	0.9769	LIN # 1 7	0.155583	0.000328	0.2995	LIN # 1
07C1147	0.35 W	0.000123	0.000003	0.0095	LIN #	0.002619	0.000010	0.8737	LIN #	0.000486	0.000008	0.1608	LIN #	0.038339	0.000071	0.9725	LIN #	0.194176	0.000379	0.9256	LIN # 1 2
07C1148	0.41 W	0.000110	0.000002	0.9001	LIN #	0.003113	0.000018	0.7884	LIN #	0.000589	0.000010	0.0679	LIN # 1	0.047477	0.000084	0.9783	LIN # 1	0.232018	0.000497	0.8554	LIN # 3
07C1149	0.44 W	0.000115	0.000005	0.6572	LIN #	0.003422	0.000015	0.8118	LIN #	0.000691	0.000011	0.4058	LIN #	0.054633	0.000163	0.9380	LIN # 1	0.263805	0.000268	0.9758	LIN # 1
07C1151	0.53 W	0.000126	0.000005	0.3597	LIN #	0.003810	0.000019	0.8239	LIN #	0.000831	0.000014	0.0606	LIN #	0.069423	0.000261	0.9207	LIN #	0.325051	0.000230	0.9945	LIN # 1 7
07C1152	0.56 W	0.000107	0.000008	0.5753	LIN #	0.003346	0.000023	0.7159	LIN #	0.000829	0.000007	0.0229	LIN #	0.069074	0.000299	0.9345	LIN # 1	0.319525	0.000365	0.9779	LIN #
07C1153	0.62 W	0.000114	0.000006	0.5738	LIN #	0.003051	0.000014	0.8776	LIN #	0.000804	0.000012	0.0288	LIN #	0.066423	0.000325	0.8318	LIN #	0.310118	0.000468	0.9675	LIN # 2
07C1154	0.74 W	0.000141	0.000007	0.0924	LIN #	0.003417	0.000016	0.8632	LIN #	0.001010	0.000005	0.6952	LIN #	0.082892	0.000392	0.8498	LIN #	0.384672	0.000288	0.9946	EXP # 4 5
07C1156	0.80 W	0.000141	0.000006	0.2758	LIN #	0.003478	0.000016	0.8624	LIN #	0.001118	0.000013	0.1442	LIN #	0.092664	0.000195	0.9800	LIN # 1 9	0.420341	0.000186	0.9975	LIN #
07C1157	0.88 W	0.000125	0.000008	0.3622	LIN #	0.002413	0.000016	0.7809	LIN #	0.000874	0.000010	0.3453	LIN #	0.070890	0.000166	0.9618	LIN # 1	0.327408	0.000499	0.9686	LIN # 1
07C1158	1.00 W	0.000116	0.000008	0.5190	LIN #	0.002098	0.000013	0.7411	LIN #	0.000790	0.000008	0.0704	LIN # 6	0.064485	0.000161	0.9694	LIN # 1 2 8	0.301419	0.000273	0.9914	LIN # 1 2 3
07C1160	1.09 W	0.000118	0.000009	0.4441	LIN #	0.002175	0.000014	0.6534	LIN #	0.000819	0.000007	0.1931	LIN #	0.066407	0.000178	0.9408	LIN #	0.306660	0.000275	0.9796	LIN #
07C1161	1.24 W	0.000123	0.000005	0.6536	LIN #	0.001843	0.000013	0.5817	LIN #	0.000689	0.000010	0.0002	LIN #	0.055496	0.000118	0.9761	LIN # 1	0.261230	0.000151	0.9882	LIN # 1 10
07C1162	1.30 W	0.000138	0.000006	0.3529	LIN #	0.001875	0.000013	0.5496	LIN #	0.000649	0.000012	0.2324	LIN #	0.049789	0.000045	0.9969	LIN # 1 2	0.239003	0.000456	0.9538	LIN # 1 2
07C1163	1.41 W	0.000162	0.000006	0.0396	LIN #	0.001808	0.000014	0.5771	LIN #	0.000516	0.000007	0.3140	LIN #	0.040209	0.000090	0.9634	LIN # 1	0.203497	0.000242	0.9699	LIN # 1 2 9
07C1165	1.68 W	0.000156	0.000004	0.5500	LIN #	0.002431	0.000016	0.7425	LIN #	0.000563	0.000010	0.1409	LIN #	0.040898	0.000074	0.9769	LIN # 1	0.205842	0.000254	0.9352	LIN #
07C1166	1.95 W	0.000220	0.000010	0.0185	LIN #	0.004203	0.000027	0.8208	LIN #	0.000617	0.000005	0.4543	LIN #	0.041348	0.000069	0.9818	LIN # 1	0.214306	0.000204	0.9505	LIN # 9
07C1167	2.39 W	0.000301	0.000005	0.0566	LIN #	0.007561	0.000024	0.9518	LIN #	0.000614	0.000008	0.0654	LIN #	0.038675	0.000125	0.9244	LIN # 1	0.216333	0.000168	0.9760	LIN # 1
07C1198	3.10 W	0.000307	0.000007	0.0002	LIN #	0.011722	0.000024	0.9837	LIN #	0.000528	0.000008	0.2406	LIN # 1	0.029249	0.000045	0.9852	LIN # 1 9	0.165149	0.000223	0.9547	LIN #
07C1199	3.80 W	0.000328	0.000009	0.1973	LIN #	0.006021	0.000017	0.9722	LIN #	0.000207	0.000005	0.0550	LIN #	0.008835	0.000029	0.7841	LIN # 1	0.115619	0.000161	0.9085	LIN #
07C1200	4.45 W	0.000525	0.000014	0.0817	LIN #	0.004530	0.000020	0.8938	LIN #	0.000193	0.000008	0.0058	LIN #	0.004855	0.000022	0.8235	LIN # 1	0.169105	0.000221	0.9727	LIN # 1
07C1202	4.86 W	0.000609	0.000010	0.1647	LIN #	0.003921	0.000015	0.9385	LIN #	0.000185	0.000004	0.0048	LIN #	0.003523	0.000019	0.9617	LIN # 1	0.187849	0.000235	0.9866	LIN # 1 2 3

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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	
07C1136	0.00 W	BAY-1 3E7-06	Groundmass 210-300μm	Bayonnaise, Samoa	John Huard	0	28.03	0.01	0.001691	0.27	1.00378	0.16	1.0145	1.012E-19	21	MAR	2007	08	09	001	OSU3E06	Samoa	07C1136	01	FCT-3
07C1137	0.01 W	BAY-1 3E7-06	Groundmass 210-300μm	Bayonnaise, Samoa	John Huard	0.01	28.03	0.01	0.001691	0.27	1.00378	0.16	1.0147	1.012E-19	21	MAR	2007	08	36	001	OSU3E06	Samoa	07C1136	01	FCT-3
07C1139	0.02 W	BAY-1 3E7-06	Groundmass 210-300μm	Bayonnaise, Samoa	John Huard	0.02	28.03	0.01	0.001691	0.27	1.00378	0.16	1.0146	1.012E-19	21	MAR	2007	09	34	001	OSU3E06	Samoa	07C1136	01	FCT-3
07C1140	0.03 W	BAY-1 3E7-06	Groundmass 210-300μm	Bayonnaise, Samoa	John Huard	0.03	28.03	0.01	0.001691	0.27	1.00378	0.16	1.0145	1.012E-19	21	MAR	2007	10	01	001	OSU3E06	Samoa	07C1136	01	FCT-3
07C1141	0.09 W	BAY-1 3E7-06	Groundmass 210-300μm	Bayonnaise, Samoa	John Huard	0.09	28.03	0.01	0.001691	0.27	1.00378	0.16	1.0146	1.012E-19	21	MAR	2007	10	30	001	OSU3E06	Samoa	07C1136	01	FCT-3
07C1143	0.12 W	BAY-1 3E7-06	Groundmass 210-300μm	Bayonnaise, Samoa	John Huard	0.12	28.03	0.01	0.001691	0.27	1.00378	0.16	1.0149	1.012E-19	21	MAR	2007	11	26	001	OSU3E06	Samoa	07C1136	01	FCT-3
07C1144	0.18 W	BAY-1 3E7-06	Groundmass 210-300μm	Bayonnaise, Samoa	John Huard	0.18	28.03	0.01	0.001691	0.27	1.00378	0.16	1.015	1.012E-19	21	MAR	2007	11	55	001	OSU3E06	Samoa	07C1136	01	FCT-3
07C1145	0.27 W	BAY-1 3E7-06	Groundmass 210-300μm	Bayonnaise, Samoa	John Huard	0.27	28.03	0.01	0.001691	0.27	1.00378	0.16	1.015	1.012E-19	21	MAR	2007	12	23	001	OSU3E06	Samoa	07C1136	01	FCT-3
07C1147	0.35 W	BAY-1 3E7-06	Groundmass 210-300μm	Bayonnaise, Samoa	John Huard	0.35	28.03	0.01	0.001691	0.27	1.00378	0.16	1.0155	1.012E-19	21	MAR	2007	13	18	001	OSU3E06	Samoa	07C1136	01	FCT-3
07C1148	0.41 W	BAY-1 3E7-06	Groundmass 210-300μm	Bayonnaise, Samoa	John Huard	0.41	28.03	0.01	0.001691	0.27	1.00378	0.16	1.0154	1.012E-19	21	MAR	2007	13	47	001	OSU3E06	Samoa	07C1136	01	FCT-3
07C1149	0.44 W	BAY-1 3E7-06	Groundmass 210-300μm	Bayonnaise, Samoa	John Huard	0.44	28.03	0.01	0.001691	0.27	1.00378	0.16	1.0155	1.012E-19	21	MAR	2007	14	14	001	OSU3E06	Samoa	07C1136	01	FCT-3
07C1151	0.53 W	BAY-1 3E7-06	Groundmass 210-300μm	Bayonnaise, Samoa	John Huard	0.53	28.03	0.01	0.001691	0.27	1.00378	0.16	1.0157	1.012E-19	21	MAR	2007	15	06	001	OSU3E06	Samoa	07C1136	01	FCT-3
07C1152	0.56 W	BAY-1 3E7-06	Groundmass 210-300μm	Bayonnaise, Samoa	John Huard	0.56	28.03	0.01	0.001691	0.27	1.00378	0.16	1.0159	1.012E-19	21	MAR	2007	15	31	001	OSU3E06	Samoa	07C1136	01	FCT-3
07C1153	0.62 W	BAY-1 3E7-06	Groundmass 210-300μm	Bayonnaise, Samoa	John Huard	0.62	28.03	0.01	0.001691	0.27	1.00378	0.16	1.0161	1.012E-19	21	MAR	2007	15	57	001	OSU3E06	Samoa	07C1136	01	FCT-3
07C1154	0.74 W	BAY-1 3E7-06	Groundmass 210-300μm	Bayonnaise, Samoa	John Huard	0.74	28.03	0.01	0.001691	0.27	1.00378	0.16	1.0161	1.012E-19	21	MAR	2007	16	24	001	OSU3E06	Samoa	07C1136	01	FCT-3
07C1156	0.80 W	BAY-1 3E7-06	Groundmass 210-300μm	Bayonnaise, Samoa	John Huard	0.8	28.03	0.01	0.001691	0.27	1.00378	0.16	1.0162	1.012E-19	21	MAR	2007	17	17	001	OSU3E06	Samoa	07C1136	01	FCT-3
07C1157	0.88 W	BAY-1 3E7-06	Groundmass 210-300μm	Bayonnaise, Samoa	John Huard	0.88	28.03	0.01	0.001691	0.27	1.00378	0.16	1.0161	1.012E-19	21	MAR	2007	17	43	001	OSU3E06	Samoa	07C1136	01	FCT-3
07C1158	1.00 W	BAY-1 3E7-06	Groundmass 210-300μm	Bayonnaise, Samoa	John Huard	1	28.03	0.01	0.001691	0.27	1.00378	0.16	1.016	1.012E-19	21	MAR	2007	18	09	001	OSU3E06	Samoa	07C1136	01	FCT-3
07C1160	1.09 W	BAY-1 3E7-06	Groundmass 210-300μm	Bayonnaise, Samoa	John Huard	1.09	28.03	0.01	0.001691	0.27	1.00378	0.16	1.0157	1.012E-19	21	MAR	2007	19	01	001	OSU3E06	Samoa	07C1136	01	FCT-3
07C1161	1.24 W	BAY-1 3E7-06	Groundmass 210-300μm	Bayonnaise, Samoa	John Huard	1.24	28.03	0.01	0.001691	0.27	1.00378	0.16	1.0155	1.012E-19	21	MAR	2007	19	26	001	OSU3E06	Samoa	07C1136	01	FCT-3
07C1162	1.30 W	BAY-1 3E7-06	Groundmass 210-300μm	Bayonnaise, Samoa	John Huard	1.3	28.03	0.01	0.001691	0.27	1.00378	0.16	1.0154	1.012E-19	21	MAR	2007	19	52	001	OSU3E06	Samoa	07C1136	01	FCT-3
07C1163	1.41 W	BAY-1 3E7-06	Groundmass 210-300μm	Bayonnaise, Samoa	John Huard	1.41	28.03	0.01	0.001691	0.27	1.00378	0.16	1.0153	1.012E-19	21	MAR	2007	20	18	001	OSU3E06	Samoa	07C1136	01	FCT-3
07C1165	1.68 W	BAY-1 3E7-06	Groundmass 210-300μm	Bayonnaise, Samoa	John Huard	1.68	28.03	0.01	0.001691	0.27	1.00378	0.16	1.0153	1.012E-19	21	MAR	2007	21	08	001	OSU3E06	Samoa	07C1136	01	FCT-3
07C1166	1.95 W	BAY-1 3E7-06	Groundmass 210-300μm	Bayonnaise, Samoa	John Huard	1.95	28.03	0.01	0.001691	0.27	1.00378	0.16	1.0152	1.012E-19	21	MAR	2007	21	33	001	OSU3E06	Samoa	07C1136	01	FCT-3
07C1167	2.39 W	BAY-1 3E7-06	Groundmass 210-300μm	Bayonnaise, Samoa	John Huard	2.39	28.03	0.01	0.001691	0.27	1.00378	0.16	1.0152	1.012E-19	21	MAR	2007	21	59	001	OSU3E06	Samoa	07C1136	01	FCT-3
07C1198	3.10 W	BAY-1 3E7-06	Groundmass 210-300μm	Bayonnaise, Samoa	John Huard	3.1	28.03	0.01	0.001691	0.27	1.00378	0.16	1.0159	1.012E-19	26	MAR	2007	13	42	001	OSU3E06	Samoa	07C1136	01	FCT-3
07C1199	3.80 W	BAY-1 3E7-06	Groundmass 210-300μm	Bayonnaise, Samoa	John Huard	3.8	28.03	0.01	0.001691	0.27	1.00378	0.16	1.016	1.012E-19	26	MAR	2007	14	07	001	OSU3E06	Samoa	07C1136	01	FCT-3
07C1200	4.45 W	BAY-1 3E7-06	Groundmass 210-300μm	Bayonnaise, Samoa	John Huard	4.45	28.03	0.01	0.001691	0.27	1.00378	0.16	1.016	1.012E-19	26	MAR	2007	14	33	001	OSU3E06	Samoa	07C1136	01	FCT-3
07C1202	4.86 W	BAY-1 3E7-06	Groundmass 210-300μm	Bayonnaise, Samoa	John Huard	4.86	28.03	0.01	0.001691	0.27	1.00378	0.16	1.0159	1.012E-19	26	MAR	2007	15	23	001	OSU3E06	Samoa	07C1136	01	FCT-3

Irradiation Constants	40/36(a)		40/36(c)		38/36(a)		38/36(c)		39/37(ca)		38/37(ca)		36/37(ca)		40/39(k)		38/39(k)		36/38(cl)		K/Ca		K/Cl		Ca/Cl	
	W	%1σ	W	%1σ	W	%1σ	W	%1σ	W	%1σ	W	%1σ	W	%1σ	W	%1σ	W	%1σ	W	%1σ	W	%1σ	W	%1σ	W	%1σ
07C1136	0.00	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
07C1137	0.01	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
07C1139	0.02	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
07C1140	0.03	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
07C1141	0.09	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
07C1143	0.12	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
07C1144	0.18	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
07C1145	0.27	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
07C1147	0.35	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
07C1148	0.41	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
07C1149	0.44	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
07C1151	0.53	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
07C1152	0.56	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
07C1153	0.62	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
07C1154	0.74	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
07C1156	0.80	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
07C1157	0.88	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
07C1158	1.00	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
07C1160	1.09	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
07C1161	1.24	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
07C1162	1.30	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
07C1163	1.41	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
07C1165	1.68	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
07C1166	1.95	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
07C1167	2.39	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
07C1198	3.10	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
07C1199	3.80	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
07C1200	4.45	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
07C1202	4.86	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

07C1136.AGE >>> BAY-1 3E7-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

12.92 ± 0.12

TOTAL FUSION

12.87 ± 0.20

NORMAL ISOCHRON

12.90 ± 0.14

INVERSE ISOCHRON

12.91 ± 0.14

MSWD (PROBABILITY)

1.96 (1%)

Sample Info

Groundmass 210-300µm

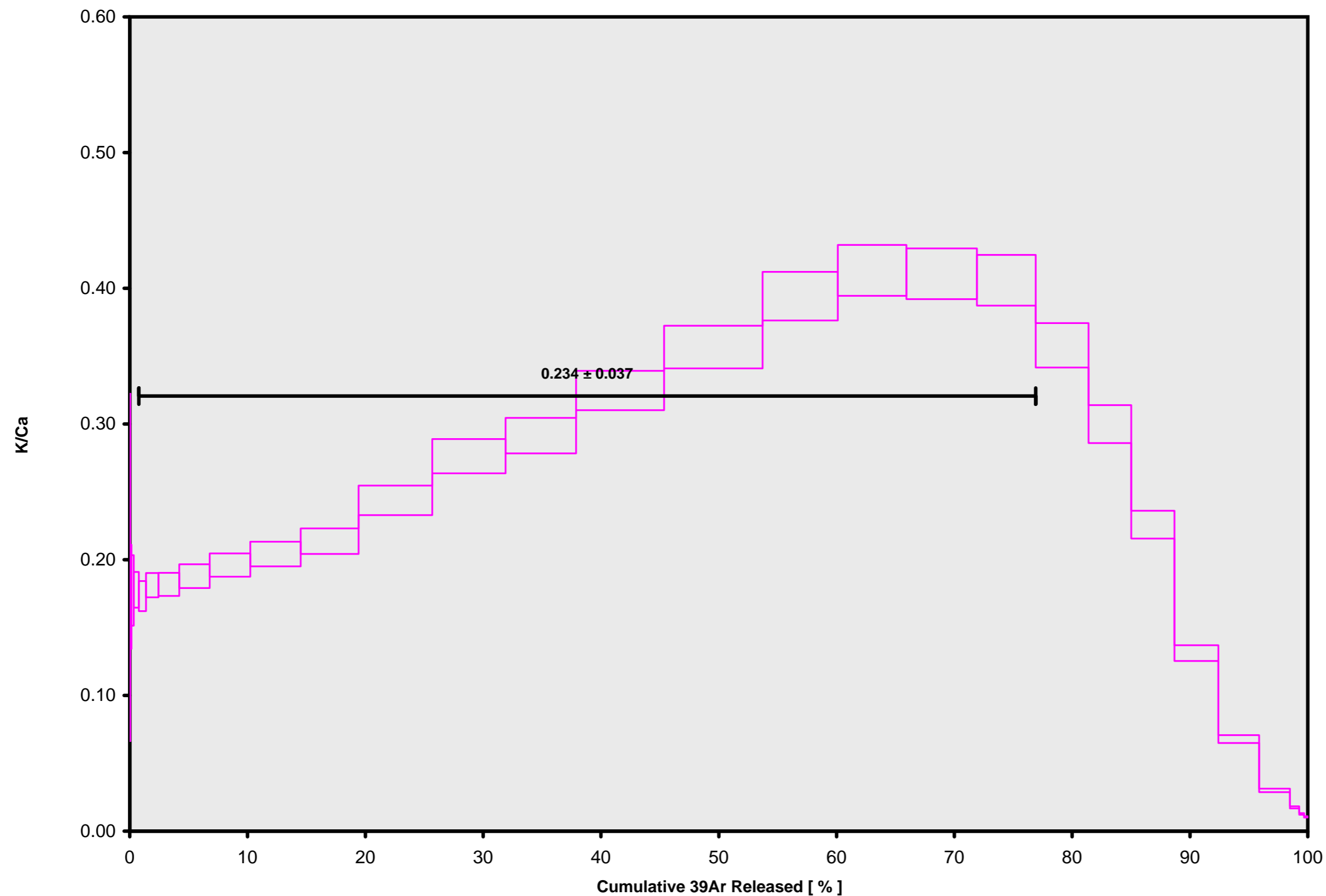
Bayonnaise, Samoa

John Huard

IRR = OSU3E06

J = 0.00169100 ± 0.00000457

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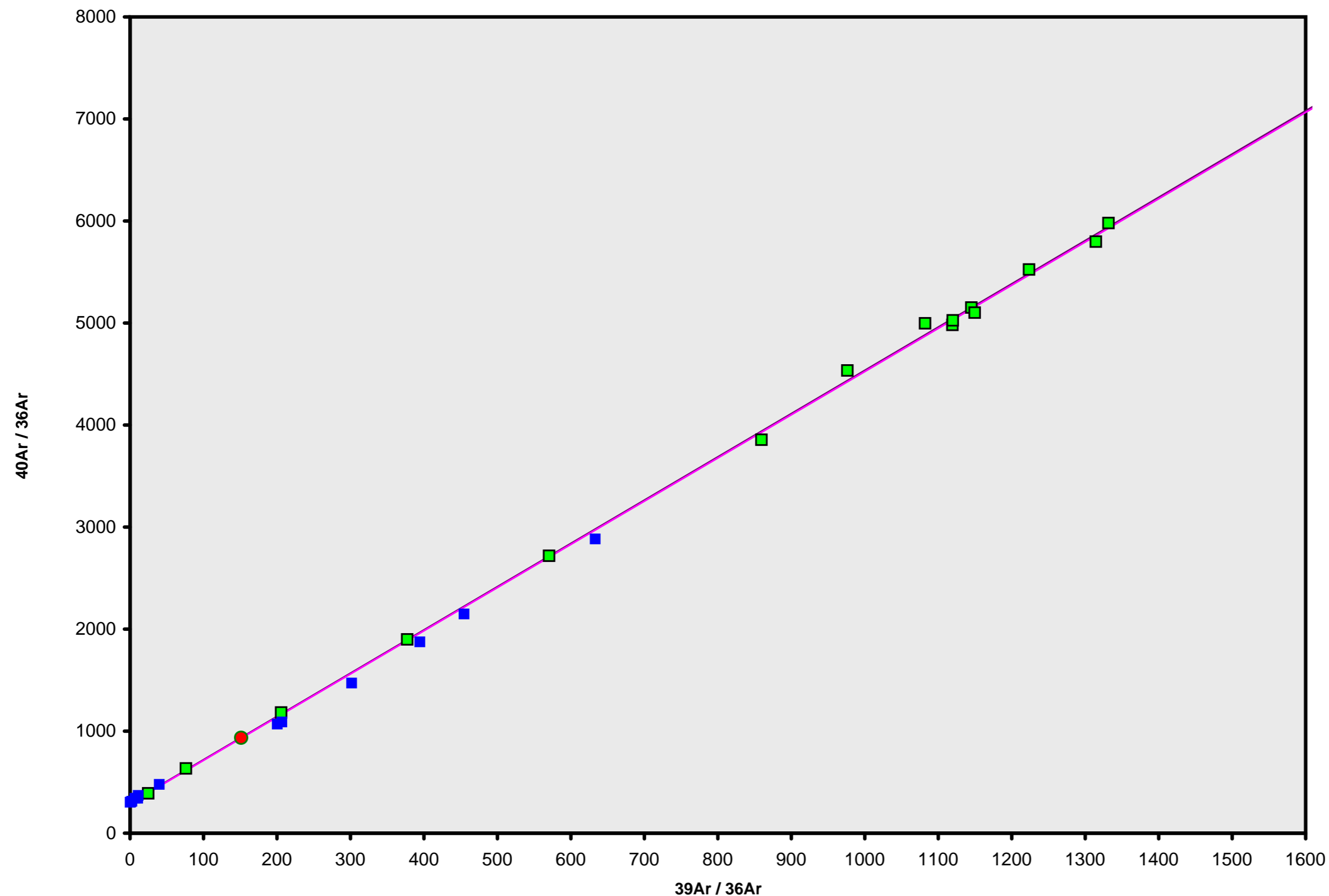
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TOTAL FUSION

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NORMAL ISOCHRON

12.90 ± 0.14

INVERSE ISOCHRON

12.91 ± 0.14

MSWD (PROBABILITY)

2.02 (1%)

40AR/36AR INTERCEPT

290.0 ± 21.1

Sample Info

Groundmass 210-300µm

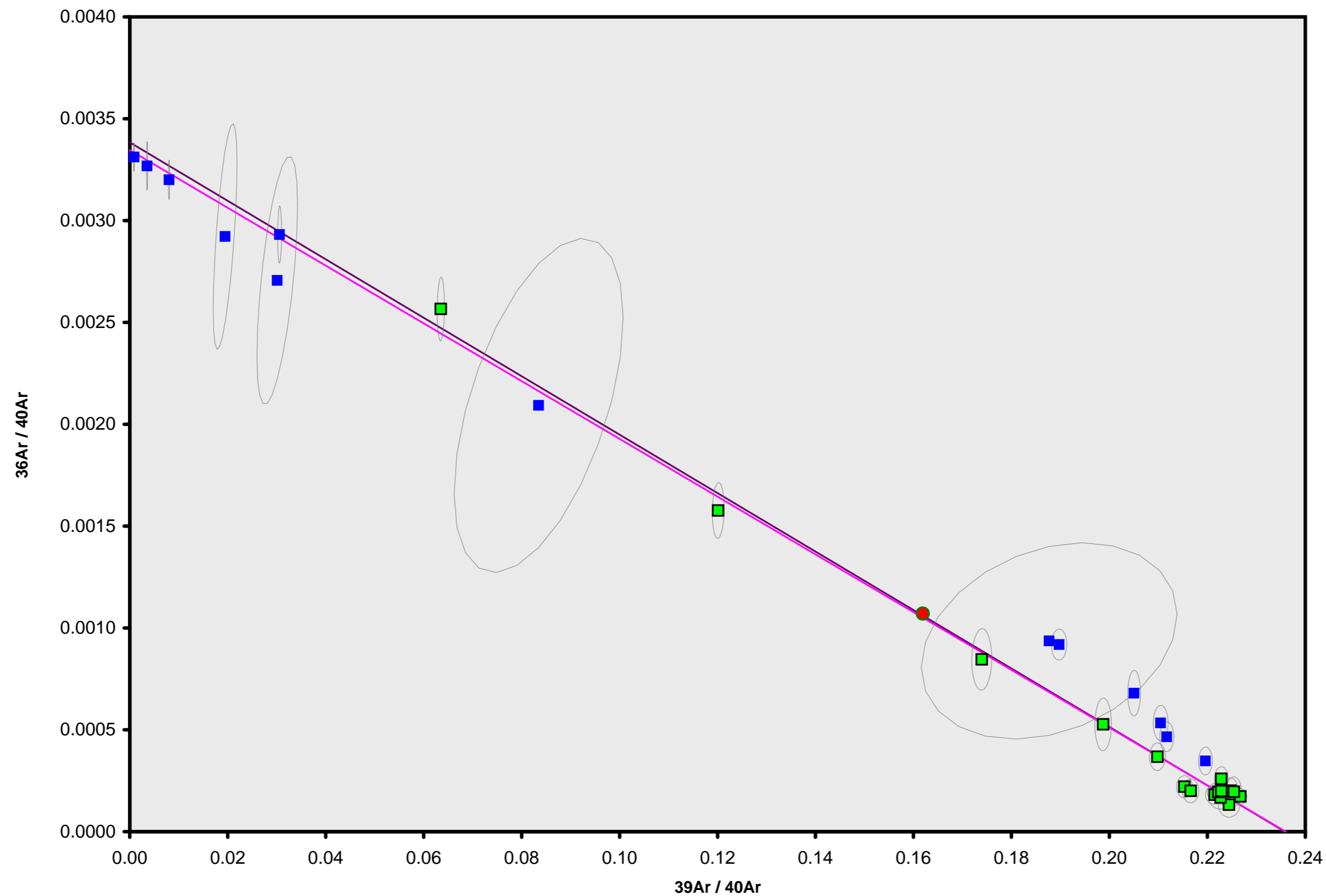
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07C1136.AGE >>> BAY-1 3E7-06 >>> SAMOA PROJECT



Ar-Ages in Ma

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12.92 ± 0.12

TOTAL FUSION

12.87 ± 0.20

NORMAL ISOCHRON

12.90 ± 0.14

INVERSE ISOCHRON

12.91 ± 0.14

MSWD (PROBABILITY)

2.09 (1%)

SPREADING FACTOR

69.2%

40AR/36AR INTERCEPT

298.8 ± 22.0

Sample Info

Groundmass 210-300 μm

Bayonnaise, Samoa

John Huard

IRR = OSU3E06

$J = 0.00169100 \pm 0.00000457$