Incremental Heating			36Ar(a)	37Ar(ca)	38Ar(cl)	39Ar(k)	40Ar(r)	Age ± 2σ (Ma)	40Ar(r) (%)	39Ar(k) (%)	K/Ca ± 2σ
07C1627	0.00 W		0.000978	0.000253	0.000015	0.000109	0.019808	452.86 ± 243.08	6.41	0.01	0.186 ± 0.194
07C1628	0.01 W		0.002445	0.001170	0.000005	0.000499	0.011892	66.39 ± 67.17	1.62	0.03	0.183 ± 0.042
07C1629	0.02 W		0.001963	0.002422	0.000018	0.000922	0.031757	95.27 ± 49.79	5.19	0.05	0.164 ± 0.020
07C1631	0.09 W		0.001711	0.006014	0.000016	0.002067	0.030746	41.74 ± 15.89	5.73	0.12	0.148 ± 0.009
07C1632	0.12 W		0.001083	0.011217	0.000007	0.003963	0.026650	18.99 ± 6.19	7.69	0.23	0.152 ± 0.008
07C1633	0.18 W		0.000723	0.018112	0.000011	0.007118	0.042233	16.77 ± 2.92	16.51	0.42	0.169 ± 0.008
07C1634	0.24 W		0.000481	0.030331	0.000009	0.012621	0.067302	15.07 ± 1.12	32.14	0.74	0.179 ± 0.008
07C1636	0.29 W		0.000464	0.085030	0.000000	0.038382	0.190643	14.05 ± 0.40	58.15	2.26	0.194 ± 0.008
07C1637	0.41 W		0.000223	0.126264	0.000000	0.062290	0.300096	13.62 ± 0.29	81.94	3.67	0.212 ± 0.009
07C1638	0.53 W		0.000159	0.159982	0.000000	0.084805	0.404141	13.48 ± 0.19	89.54	5.00	0.228 ± 0.010
07C1640	0.59 W	✓	0.000120	0.165808	0.000000	0.100746	0.462108	12.97 ± 0.19	92.84	5.94	0.261 ± 0.011
07C1641	0.71 W	✓	0.000100	0.176339	0.000000	0.113887	0.522989	12.99 ± 0.16	94.60	6.71	0.278 ± 0.012
07C1642	0.80 W	✓	0.000103	0.173365	0.000000	0.122569	0.559498	12.91 ± 0.15	94.81	7.23	0.304 ± 0.013
07C1644	0.88 W	✓	0.000103	0.162497	0.000000	0.122029	0.551999	12.80 ± 0.14	94.72	7.19	0.323 ± 0.014
07C1645	1.03 W	✓	0.000102	0.152365	0.000000	0.119521	0.542192	12.83 ± 0.18	94.72	7.05	0.337 ± 0.014
07C1646	1.15 W	✓	0.000087	0.128208	0.000000	0.108481	0.486893	12.70 ± 0.17	94.97	6.40	0.364 ± 0.015
07C1648	1.30 W	✓	0.000106	0.141214	0.000000	0.122165	0.549802	12.73 ± 0.16	94.58	7.20	0.372 ± 0.016
07C1649	1.41 W	✓	0.000111	0.134610	0.000000	0.121153	0.543062	12.68 ± 0.16	94.26	7.14	0.387 ± 0.017
07C1650	1.62 W	✓	0.000144	0.129435	0.000017	0.116972	0.521208	12.60 ± 0.17	92.43	6.90	0.389 ± 0.016
07C1652	1.95 W	✓	0.000157	0.155152	0.000000	0.119384	0.527548	12.50 ± 0.16	91.91	7.04	0.331 ± 0.014
07C1653	2.39 W		0.000228	0.219309	0.000010	0.111824	0.488864	12.37 ± 0.17	87.85	6.59	0.219 ± 0.009
07C1654	2.92 W		0.000262	0.322027	0.000049	0.094799	0.415130	12.39 ± 0.18	84.23	5.59	0.127 ± 0.005
07C1656	3.71 W		0.000386	0.384580	0.000044	0.071569	0.299834	11.85 ± 0.28	72.44	4.22	0.080 ± 0.003
07C1657	4.60 W		0.000571	0.412560	0.000045	0.038289	0.160616	11.87 ± 0.61	48.75	2.26	0.040 ± 0.002
		Σ	0.012811	3.298264	0.000246	1.696165	7.757011				

Information on Analysis

Sample = BAY-2 4D6-06
Material = Groundmass 210-300µm
Location = Bayonnaise, Samoa
Analyst = Jamie Russell
Project = SAMOA
Mass Discrimination Law = LIN
Irradiation = OSU4D06
J = 0.00156980 ± 0.00000377
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	4.5140 ± 0.0351	12.77 ± 0.12	3.78	68.80	0.323 ± 0.029
Error Mean	± 0.78%	± 0.91%	0%	10	
		Minimal External Error ± 0.25	1.47	2σ Confidence Limit	
		Analytical Error ± 0.10	1.9432	Error Magnification	
Total Fusion Age	4.5733 ± 0.0237	12.94 ± 0.09		24	0.221 ± 0.009
	± 0.52%	± 0.70%			
		Minimal External Error ± 0.24			
		Analytical Error ± 0.07			

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
07C1627	0.00 W		0.1 ± 0.0	315.8 ± 12.2	0.1655
07C1628	0.01 W		0.2 ± 0.0	300.4 ± 5.1	0.3157
07C1629	0.02 W		0.5 ± 0.0	311.7 ± 9.1	0.6566
07C1631	0.09 W		1.2 ± 0.0	313.5 ± 7.3	0.8330
07C1632	0.12 W		3.7 ± 0.1	320.1 ± 8.7	0.8864
07C1633	0.18 W		9.9 ± 0.3	353.9 ± 12.2	0.9656
07C1634	0.24 W		26.2 ± 0.9	435.5 ± 15.3	0.9891
07C1636	0.29 W		82.7 ± 3.1	706.3 ± 26.6	0.9843
07C1637	0.41 W		278.8 ± 22.3	1638.7 ± 130.6	0.9898
07C1638	0.53 W		532.4 ± 48.4	2832.8 ± 257.4	0.9952
07C1640	0.59 W	✓	838.7 ± 149.5	4142.7 ± 738.5	0.9994
07C1641	0.71 W	✓	1135.1 ± 198.0	5508.0 ± 960.8	0.9992
07C1642	0.80 W	✓	1189.6 ± 227.2	5725.7 ± 1093.6	0.9997
07C1644	0.88 W	✓	1180.2 ± 211.4	5634.3 ± 1009.2	0.9997
07C1645	1.03 W	✓	1176.1 ± 202.1	5631.0 ± 966.3	0.9983
07C1646	1.15 W	✓	1251.5 ± 257.5	5912.7 ± 1216.8	0.9994
07C1648	1.30 W	✓	1154.0 ± 199.7	5489.1 ± 949.6	0.9992
07C1649	1.41 W	✓	1088.4 ± 208.2	5174.3 ± 989.6	0.9996
07C1650	1.62 W	✓	813.8 ± 114.8	3921.8 ± 552.7	0.9989
07C1652	1.95 W	✓	762.8 ± 93.1	3666.1 ± 447.4	0.9985
07C1653	2.39 W		490.1 ± 41.8	2437.9 ± 207.5	0.9972
07C1654	2.92 W		361.2 ± 25.0	1877.3 ± 129.5	0.9950
07C1656	3.71 W		185.6 ± 10.6	1072.9 ± 60.9	0.9901
07C1657	4.60 W		67.0 ± 3.2	576.7 ± 27.4	0.9871

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	200.9823 ± 163.1563	4.5923 ± 0.1611	12.99 ± 0.46	4.31
No Convergence	± 81.18%	± 3.51%	± 3.53%	0%
			Minimal External Error ± 0.51	
			Analytical Error ± 0.45	

Statistics				
2σ Confidence Limit	2.00	Convergence	0.0002143800
Error Magnification	2.0749	Number of Iterations	100
Number of Data Points	10	Calculated Line	Weighted York-2

Inverse Isochron			39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
07C1627	0.00 W		0.000354 ± 0.000080	0.003167 ± 0.000122	0.0026
07C1628	0.01 W		0.000680 ± 0.000033	0.003329 ± 0.000056	0.0124
07C1629	0.02 W		0.001506 ± 0.000050	0.003208 ± 0.000094	0.0144
07C1631	0.09 W		0.003853 ± 0.000059	0.003190 ± 0.000075	0.0292
07C1632	0.12 W		0.011431 ± 0.000158	0.003124 ± 0.000085	0.0592
07C1633	0.18 W		0.027831 ± 0.000253	0.002825 ± 0.000097	0.0899
07C1634	0.24 W		0.060272 ± 0.000312	0.002296 ± 0.000080	0.0677
07C1636	0.29 W		0.117094 ± 0.000782	0.001416 ± 0.000053	0.0863
07C1637	0.41 W		0.170138 ± 0.001940	0.000610 ± 0.000049	0.0438
07C1638	0.53 W		0.187952 ± 0.001675	0.000353 ± 0.000032	0.0502
07C1640	0.59 W	✓	0.202463 ± 0.001215	0.000241 ± 0.000043	0.0120
07C1641	0.71 W	✓	0.206079 ± 0.001443	0.000182 ± 0.000032	0.0265
07C1642	0.80 W	✓	0.207763 ± 0.001016	0.000175 ± 0.000033	0.0064
07C1644	0.88 W	✓	0.209473 ± 0.000939	0.000177 ± 0.000032	0.0111
07C1645	1.03 W	✓	0.208872 ± 0.002092	0.000178 ± 0.000030	0.0068
07C1646	1.15 W	✓	0.211666 ± 0.001491	0.000169 ± 0.000035	0.0231
07C1648	1.30 W	✓	0.210236 ± 0.001498	0.000182 ± 0.000032	0.0187
07C1649	1.41 W	✓	0.210352 ± 0.001150	0.000193 ± 0.000037	0.0107
07C1650	1.62 W	✓	0.207514 ± 0.001379	0.000255 ± 0.000036	0.0096
07C1652	1.95 W	✓	0.208060 ± 0.001406	0.000273 ± 0.000033	0.0193
07C1653	2.39 W		0.201017 ± 0.001281	0.000410 ± 0.000035	0.0236
07C1654	2.92 W		0.192413 ± 0.001322	0.000533 ± 0.000037	0.0370
07C1656	3.71 W		0.172957 ± 0.001380	0.000932 ± 0.000053	0.0535
07C1657	4.60 W		0.116249 ± 0.000887	0.001734 ± 0.000082	0.1042

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	421.4550 ± 386.7921	4.3936 ± 0.2450	12.43 ± 0.69	3.96
Error Chron	± 91.78%	± 5.58%	± 5.58%	0%
			Minimal External Error ± 0.73	
			Analytical Error ± 0.69	

Statistics				
2σ Confidence Limit	2.00	Convergence	0.0003204451
Error Magnification	1.9888	Number of Iterations	9
Number of Data Points	10	Calculated Line	Weighted York-2
Spreading Factor	4.0%		

Relative Abundances			36Ar	%1σ	37Ar	%1σ	38Ar	%1σ	39Ar	%1σ	40Ar	%1σ	Age ± 2σ (Ma)	40Ar(r) (%)	39Ar(k) (%)	K/Ca ± 2σ
07C1627	0.00 W		0.0009779	1.913	0.0002526	50.836	0.0001990	6.977	0.0001094	11.289	0.3087705	0.237	452.86 ± 243.08	6.41	0.01	0.186 ± 0.194
07C1628	0.01 W		0.0024454	0.831	0.0011702	10.864	0.0004684	3.266	0.0005001	2.444	0.7344248	0.160	66.39 ± 67.17	1.62	0.03	0.183 ± 0.042
07C1629	0.02 W		0.0019638	1.452	0.0024224	5.647	0.0003959	3.309	0.0009232	1.641	0.6118696	0.187	95.27 ± 49.79	5.19	0.05	0.164 ± 0.020
07C1631	0.09 W		0.0017130	1.156	0.0060140	2.189	0.0003614	3.918	0.0020714	0.743	0.5364726	0.161	41.74 ± 15.89	5.73	0.12	0.148 ± 0.009
07C1632	0.12 W		0.0010861	1.334	0.0112172	1.364	0.0002583	5.248	0.0039710	0.647	0.3467021	0.236	18.99 ± 6.19	7.69	0.23	0.152 ± 0.008
07C1633	0.18 W		0.0007274	1.690	0.0181116	0.912	0.0002331	5.585	0.0071307	0.369	0.2557634	0.265	16.77 ± 2.92	16.51	0.42	0.169 ± 0.008
07C1634	0.24 W		0.0004891	1.714	0.0303310	0.735	0.0002525	1.837	0.0126428	0.190	0.2094260	0.175	15.07 ± 1.12	32.14	0.74	0.179 ± 0.008
07C1636	0.29 W		0.0004870	1.783	0.0850299	0.645	0.0005368	1.479	0.0384421	0.239	0.3278503	0.233	14.05 ± 0.40	58.15	2.26	0.194 ± 0.008
07C1637	0.41 W		0.0002574	3.447	0.1262638	0.646	0.0007821	1.702	0.0623800	0.474	0.3662198	0.315	13.62 ± 0.29	81.94	3.67	0.212 ± 0.009
07C1638	0.53 W		0.0002023	3.565	0.1599822	0.620	0.0010300	1.472	0.0849187	0.311	0.4513479	0.319	13.48 ± 0.19	89.54	5.00	0.228 ± 0.010
07C1640	0.59 W	✓	0.0001647	6.494	0.1658075	0.769	0.0011890	1.170	0.1008637	0.241	0.4977686	0.179	12.97 ± 0.19	92.84	5.94	0.261 ± 0.011
07C1641	0.71 W	✓	0.0001478	5.914	0.1763394	0.678	0.0013136	0.878	0.1140119	0.204	0.5528249	0.284	12.99 ± 0.16	94.60	6.71	0.278 ± 0.012
07C1642	0.80 W	✓	0.0001497	6.570	0.1733653	0.630	0.0014457	0.840	0.1226917	0.212	0.5901468	0.122	12.91 ± 0.15	94.81	7.23	0.304 ± 0.013
07C1644	0.88 W	✓	0.0001471	6.290	0.1624967	0.663	0.0014419	0.845	0.1221440	0.167	0.5827526	0.149	12.80 ± 0.14	94.72	7.19	0.323 ± 0.014
07C1645	1.03 W	✓	0.0001426	6.109	0.1523653	0.625	0.0014237	0.874	0.1196289	0.470	0.5724186	0.171	12.83 ± 0.18	94.72	7.05	0.337 ± 0.014
07C1646	1.15 W	✓	0.0001212	7.355	0.1282085	0.669	0.0013053	0.772	0.1085715	0.201	0.5126860	0.289	12.70 ± 0.17	94.97	6.40	0.364 ± 0.015
07C1648	1.30 W	✓	0.0001438	6.360	0.1412139	0.655	0.0014482	1.434	0.1222649	0.263	0.5812860	0.240	12.73 ± 0.16	94.58	7.20	0.372 ± 0.016
07C1649	1.41 W	✓	0.0001475	7.211	0.1346098	0.794	0.0014478	0.855	0.1212488	0.216	0.5761537	0.167	12.68 ± 0.16	94.26	7.14	0.387 ± 0.017
07C1650	1.62 W	✓	0.0001786	5.669	0.1294348	0.626	0.0014647	0.847	0.1170633	0.296	0.5638735	0.149	12.60 ± 0.17	92.43	6.90	0.389 ± 0.016
07C1652	1.95 W	✓	0.0001983	4.813	0.1551525	0.654	0.0014511	0.629	0.1194945	0.273	0.5739960	0.199	12.50 ± 0.16	91.91	7.04	0.331 ± 0.014
07C1653	2.39 W		0.0002872	3.375	0.2193085	0.648	0.0014136	0.901	0.1119797	0.263	0.5564768	0.179	12.37 ± 0.17	87.85	6.59	0.219 ± 0.009
07C1654	2.92 W		0.0003491	2.581	0.3220265	0.723	0.0012565	1.369	0.0950270	0.272	0.4928402	0.209	12.39 ± 0.18	84.23	5.59	0.127 ± 0.005
07C1656	3.71 W		0.0004891	2.223	0.3845802	0.726	0.0009947	0.987	0.0718420	0.313	0.4139162	0.246	11.85 ± 0.28	72.44	4.22	0.080 ± 0.003
07C1657	4.60 W		0.0006821	1.971	0.4125597	0.611	0.0006286	1.417	0.0385820	0.224	0.3294391	0.307	11.87 ± 0.61	48.75	2.26	0.040 ± 0.002
		Σ	0.0136982	0.462	3.2982637	0.178	0.0227418	0.277	1.6985032	0.069	11.5454260	0.044				

Information on Analysis and Constants Used in Calculations

Sample = BAY-2 4D6-06
Material = Groundmass 210-300µm
Location = Bayonnaise, Samoa
Analyst = Jamie Russell
Project = SAMOA
Mass Discrimination Law = LIN
Irradiation = OSU4D06
J = 0.00156980 ± 0.00000377
FCT-3 = 28.030 ± 0.003 Ma
IGSN = KOP000057
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	4.5140 ± 0.0351	12.77 ± 0.12	3.78	68.80	0.323 ± 0.029
Error Mean	± 0.78%	± 0.91%	0%	10	
	Minimal External Error ± 0.25		1.47	2σ Confidence Limit	
	Analytical Error ± 0.10		1.9432	Error Magnification	
Total Fusion Age	4.5733 ± 0.0237	12.94 ± 0.09		24	0.221 ± 0.009
	± 0.52%	± 0.70%			
	Minimal External Error ± 0.24				
	Analytical Error ± 0.07				
Normal Isochron	4.5923 ± 0.1611	12.99 ± 0.46	4.31	68.80	
No Convergence	± 3.51%	± 3.53%	0%	10	
	Minimal External Error ± 0.51		2.00	2σ Confidence Limit	
	Analytical Error ± 0.45		2.0749	Error Magnification	
Inverse Isochron	4.3936 ± 0.2450	12.43 ± 0.69	3.96	68.80	
Error Chron	± 5.58%	± 5.58%	0%	10	
	Minimal External Error ± 0.73		2.00	2σ Confidence Limit	
	Analytical Error ± 0.69		1.9888	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
07C1627	0.00 W		0.000978	1.91	0.000000	0.00	0.000000	50.84	0.000000	96.04	0.000253	50.84	0.000183	1.91	0.000000	0.00	0.000001	11.31	0.000000	55.35	0.000015	96.19	0.000109	11.31	0.000000	50.87	0.019808	28.15	0.288963	1.91	0.000000	0.00	0.000000	27.35
07C1628	0.01 W		0.002445	0.83	0.000000	0.00	0.000000	10.87	0.000000	294.33	0.001170	10.86	0.000457	0.83	0.000000	0.00	0.000006	2.45	0.000000	24.45	0.000005	294.38	0.000499	2.45	0.000001	11.02	0.011892	51.47	0.722532	0.83	0.000000	0.00	0.000001	25.02
07C1629	0.02 W		0.001963	1.45	0.000000	0.00	0.000001	5.66	0.000000	79.68	0.002422	5.65	0.000367	1.45	0.000000	0.00	0.000011	1.65	0.000000	22.62	0.000018	79.86	0.000922	1.64	0.000002	5.94	0.031757	26.77	0.580111	1.45	0.000000	0.00	0.000002	24.95
07C1631	0.09 W		0.001711	1.16	0.000000	0.00	0.000002	2.22	0.000000	90.13	0.006014	2.19	0.000320	1.16	0.000000	0.00	0.000025	0.75	0.000000	22.01	0.000016	90.30	0.002067	0.74	0.000004	2.85	0.030746	19.25	0.505723	1.16	0.000000	0.00	0.000003	24.91
07C1632	0.12 W		0.001083	1.34	0.000000	0.00	0.000003	1.41	0.000000	184.47	0.011217	1.36	0.000202	1.34	0.000000	0.00	0.000048	0.66	0.000000	21.94	0.000007	184.55	0.003963	0.65	0.000008	2.28	0.026650	16.36	0.320045	1.34	0.000000	0.00	0.000007	24.91
07C1633	0.18 W		0.000723	1.70	0.000000	0.00	0.000005	0.98	0.000000	117.88	0.018112	0.91	0.000135	1.70	0.000000	0.00	0.000086	0.38	0.000001	21.92	0.000011	118.00	0.007118	0.37	0.000013	2.04	0.042233	8.75	0.213519	1.70	0.000000	0.00	0.000012	24.90
07C1634	0.24 W		0.000481	1.74	0.000000	0.00	0.000008	0.82	0.000000	55.98	0.030331	0.73	0.000090	1.74	0.000000	0.00	0.000153	0.22	0.000001	21.91	0.000009	56.24	0.012621	0.19	0.000022	1.97	0.067302	3.72	0.142103	1.74	0.000000	0.00	0.000021	24.90
07C1636	0.29 W		0.000464	1.87	0.000000	0.00	0.000023	0.74	0.000000	0.00	0.085030	0.65	0.000087	1.87	0.000000	0.00	0.000465	0.26	0.000003	21.91	0.000000	0.00	0.038382	0.24	0.000060	1.94	0.190643	1.40	0.137144	1.87	0.000000	0.00	0.000063	24.90
07C1637	0.41 W		0.000223	3.97	0.000000	0.00	0.000034	0.74	0.000000	0.00	0.126264	0.65	0.000042	3.97	0.000000	0.00	0.000754	0.49	0.000004	21.91	0.000000	0.00	0.062290	0.47	0.000090	1.94	0.300096	0.95	0.066021	3.97	0.000000	0.00	0.000103	24.90
07C1638	0.53 W		0.000159	4.53	0.000000	0.00	0.000043	0.72	0.000000	0.00	0.159982	0.62	0.000030	4.53	0.000000	0.00	0.001027	0.33	0.000005	21.91	0.000000	0.00	0.084805	0.31	0.000113	1.93	0.404141	0.64	0.047067	4.53	0.000000	0.00	0.000140	24.90
07C1640	0.59 W	✓	0.000120	8.91	0.000000	0.00	0.000045	0.85	0.000000	0.00	0.165808	0.77	0.000022	8.91	0.000000	0.00	0.001220	0.26	0.000005	21.91	0.000000	0.00	0.100746	0.24	0.000118	1.99	0.462108	0.71	0.035494	8.91	0.000000	0.00	0.000166	24.90
07C1641	0.71 W	✓	0.000100	8.72	0.000000	0.00	0.000047	0.77	0.000000	0.00	0.176339	0.68	0.000019	8.72	0.000000	0.00	0.001379	0.23	0.000006	21.91	0.000000	0.00	0.113887	0.20	0.000125	1.95	0.522989	0.58	0.029648	8.72	0.000000	0.00	0.000188	24.90
07C1642	0.80 W	✓	0.000103	9.55	0.000000	0.00	0.000047	0.73	0.000000	0.00	0.173365	0.63	0.000019	9.55	0.000000	0.00	0.001484	0.23	0.000006	21.91	0.000000	0.00	0.122569	0.21	0.000123	1.94	0.559498	0.54	0.030447	9.55	0.000000	0.00	0.000202	24.90
07C1644	0.88 W	✓	0.000103	8.95	0.000000	0.00	0.000044	0.76	0.000000	0.00	0.162497	0.66	0.000019	8.95	0.000000	0.00	0.001478	0.19	0.000005	21.91	0.000000	0.00	0.122029	0.17	0.000115	1.95	0.551999	0.52	0.030553	8.95	0.000000	0.00	0.000201	24.90
07C1645	1.03 W	✓	0.000102	8.58	0.000000	0.00	0.000041	0.73	0.000000	0.00	0.152365	0.63	0.000019	8.58	0.000000	0.00	0.001447	0.48	0.000005	21.91	0.000000	0.00	0.119521	0.47	0.000108	1.93	0.542192	0.51	0.030029	8.58	0.000000	0.00	0.000197	24.90
07C1646	1.15 W	✓	0.000087	10.29	0.000000	0.00	0.000034	0.76	0.000000	0.00	0.128208	0.67	0.000016	10.29	0.000000	0.00	0.001314	0.22	0.000004	21.91	0.000000	0.00	0.108481	0.20	0.000091	1.95	0.486893	0.62	0.025614	10.29	0.000000	0.00	0.000179	24.90
07C1648	1.30 W	✓	0.000106	8.65	0.000000	0.00	0.000038	0.75	0.000000	0.00	0.141214	0.65	0.000020	8.65	0.000000	0.00	0.001479	0.28	0.000005	21.91	0.000000	0.00	0.122165	0.26	0.000100	1.94	0.549802	0.55	0.031282	8.65	0.000000	0.00	0.000202	24.90
07C1649	1.41 W	✓	0.000111	9.56	0.000000	0.00	0.000036	0.88	0.000000	0.00	0.134610	0.79	0.000021	9.56	0.000000	0.00	0.001467	0.24	0.000004	21.91	0.000000	0.00	0.121153	0.22	0.000095	1.99	0.543062	0.61	0.032892	9.56	0.000000	0.00	0.000200	24.90
07C1650	1.62 W	✓	0.000144	7.04	0.000000	0.00	0.000035	0.73	0.000000	78.09	0.129435	0.63	0.000027	7.04	0.000000	0.00	0.001417	0.31	0.000004	21.91	0.000017	78.27	0.116972	0.30	0.000092	1.93	0.521208	0.60	0.042473	7.04	0.000000	0.00	0.000193	24.90
07C1652	1.95 W	✓	0.000157	6.10	0.000000	0.00	0.000042	0.75	0.000000	0.00	0.155152	0.65	0.000029	6.10	0.000000	0.00	0.001446	0.29	0.000005	21.91	0.000000	0.00	0.119384	0.27	0.000110	1.94	0.527548	0.58	0.046251	6.10	0.000000	0.00	0.000197	24.90
07C1653	2.39 W		0.000228	4.25	0.000000	0.00	0.000059	0.75	0.000000	139.36	0.219309	0.65	0.000043	4.25	0.000000	0.00	0.001354	0.28	0.000007	21.91	0.000010	139.47	0.111824	0.26	0.000155	1.94	0.488864	0.62	0.067428	4.25	0.000000	0.00	0.000185	24.90
07C1654	2.92 W		0.000262	3.44	0.000000	0.00	0.000087	0.81	0.000000	36.51	0.322027	0.72	0.000049	3.44	0.000000	0.00	0.001148	0.29	0.000010	21.91	0.000049	36.91	0.094799	0.27	0.000228	1.97	0.415130	0.69	0.077554	3.44	0.000000	0.00	0.000156	24.90
07C1656	3.71 W		0.000386	2.83	0.000000	0.00	0.000103	0.82	0.000000	25.28	0.384580	0.73	0.000072	2.83	0.000000	0.00	0.000867	0.33	0.000012	21.91	0.000044	25.85	0.071569	0.31	0.000273	1.97	0.299834	1.13	0.113964	2.83	0.000000	0.00	0.000118	24.90
07C1657	4.60 W		0.000571	2.36	0.000000	0.00	0.000111	0.71	0.000000	22.37	0.412560	0.61	0.000107	2.36	0.000000	0.00	0.000464	0.25	0.000013	21.91	0.000045	23.01	0.038289	0.23	0.000293	1.93	0.160616	2.56	0.168759	2.36	0.000000	0.00	0.000063	24.90
		Σ	0.012811	0.49	0.000000	0.00	0.000887	0.20	0.000000	18.85	3.298264	0.18	0.002394	0.49	0.000000	0.00	0.020541	0.07	0.000106	5.77	0.000246	18.99	1.696165	0.07	0.002338	0.51	7.757011	0.25	3.785616	0.49	0.000000	0.00	0.002799	6.18
		Σ							0.013698	0.46	3.298264	0.18									0.023287	0.22			1.698503	0.07							11.545426	0.23

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)
07C1627	0.00 W		181.285277	54.99986	0.308770	0.00073	2821.349866	318.56507	2.308407	1.20209	8.935879	1.02313	117.979	10.30668263	1.00083369	3.125E-20
07C1628	0.01 W		23.820623	12.27324	0.734424	0.00118	1468.630316	35.96910	2.339956	0.26056	4.890133	0.12623	117.997	10.31035899	1.00083382	7.432E-20
07C1629	0.02 W		34.461271	9.24345	0.611868	0.00114	662.745216	10.94639	2.623812	0.15430	2.127094	0.04661	118.015	10.31403667	1.00083395	6.192E-20
07C1631	0.09 W		14.873956	2.86465	0.536469	0.00086	258.991650	1.96890	2.903360	0.06713	0.826998	0.01137	118.051	10.32139595	1.00083420	5.429E-20
07C1632	0.12 W		6.724697	1.10091	0.346696	0.00082	87.308171	0.60079	2.824768	0.04264	0.273502	0.00406	118.069	10.32507756	1.00083433	3.509E-20
07C1633	0.18 W		5.933394	0.51973	0.255752	0.00068	35.867887	0.16289	2.539944	0.02499	0.102015	0.00176	118.088	10.32890216	1.00083446	2.588E-20
07C1634	0.24 W		5.332452	0.19864	0.209405	0.00037	16.564876	0.04283	2.399075	0.01821	0.038682	0.00067	118.106	10.33244472	1.00083458	2.119E-20
07C1636	0.29 W		4.967000	0.07077	0.327787	0.00076	8.528409	0.02846	2.211893	0.01521	0.012668	0.00023	118.615	10.43699756	1.00083818	3.318E-20
07C1637	0.41 W		4.817684	0.05138	0.366117	0.00116	5.870792	0.03343	2.024109	0.01622	0.004126	0.00014	118.633	10.44072040	1.00083831	3.706E-20
07C1638	0.53 W		4.765512	0.03378	0.451208	0.00144	5.315057	0.02367	1.883944	0.01307	0.002382	0.00009	118.651	10.44444457	1.00083844	4.568E-20
07C1640	0.59 W	✓	4.586855	0.03444	0.497602	0.00089	4.935062	0.01479	1.643877	0.01325	0.001633	0.00011	118.688	10.45204027	1.00083870	5.037E-20
07C1641	0.71 W	✓	4.592176	0.02817	0.552637	0.00157	4.848835	0.01696	1.546676	0.01095	0.001296	0.00008	118.706	10.45576848	1.00083882	5.595E-20
07C1642	0.80 W	✓	4.564768	0.02628	0.589945	0.00072	4.809998	0.01175	1.413016	0.00939	0.001220	0.00008	118.724	10.45949802	1.00083895	5.972E-20
07C1644	0.88 W	✓	4.523510	0.02471	0.582551	0.00087	4.771028	0.01067	1.330369	0.00910	0.001204	0.00008	118.761	10.46710467	1.00083921	5.897E-20
07C1645	1.03 W	✓	4.536383	0.03142	0.572221	0.00098	4.784952	0.02393	1.273650	0.00996	0.001192	0.00007	118.779	10.47083825	1.00083934	5.793E-20
07C1646	1.15 W	✓	4.488300	0.02929	0.512507	0.00148	4.722107	0.01662	1.180867	0.00824	0.001116	0.00008	118.798	10.47471685	1.00083947	5.188E-20
07C1648	1.30 W	✓	4.500497	0.02759	0.581084	0.00140	4.754317	0.01693	1.154983	0.00815	0.001177	0.00007	118.833	10.48204700	1.00083972	5.883E-20
07C1649	1.41 W	✓	4.482433	0.02883	0.575954	0.00096	4.751832	0.01298	1.110196	0.00913	0.001217	0.00009	118.851	10.48578591	1.00083985	5.831E-20
07C1650	1.62 W	✓	4.455853	0.02968	0.563681	0.00084	4.816826	0.01598	1.105682	0.00766	0.001525	0.00009	118.869	10.48952616	1.00083998	5.706E-20
07C1652	1.95 W	✓	4.418901	0.02820	0.573799	0.00114	4.803535	0.01621	1.298407	0.00919	0.001659	0.00008	118.906	10.49715464	1.00084024	5.809E-20
07C1653	2.39 W		4.371722	0.02949	0.556292	0.00099	4.969446	0.01582	1.958468	0.01370	0.002565	0.00009	118.924	10.50089895	1.00084036	5.632E-20
07C1654	2.92 W		4.379071	0.03248	0.492684	0.00103	5.186319	0.01779	3.388791	0.02617	0.003674	0.00010	118.942	10.50464458	1.00084049	4.988E-20
07C1656	3.71 W		4.189420	0.04902	0.413798	0.00102	5.761482	0.02292	5.353141	0.04234	0.006808	0.00015	118.979	10.51228406	1.00084075	4.189E-20
07C1657	4.60 W		4.194795	0.10766	0.329376	0.00101	8.538680	0.03247	10.693071	0.06961	0.017679	0.00035	118.997	10.51588952	1.00084087	3.334E-20

Procedure Blanks		36Ar	1σ	37Ar	1σ	38Ar	1σ	39Ar	1σ	40Ar	1σ
07C1627	0.00 W	0.000051	0.000008	0.000016	0.000011	0.000012	0.000013	0.000053	0.000010	0.012982	0.000546
07C1628	0.01 W	0.000050	0.000008	0.000016	0.000011	0.000010	0.000013	0.000056	0.000010	0.012541	0.000546
07C1629	0.02 W	0.000049	0.000008	0.000017	0.000011	0.000007	0.000013	0.000061	0.000010	0.011916	0.000546
07C1631	0.09 W	0.000047	0.000008	0.000017	0.000011	0.000007	0.000013	0.000077	0.000010	0.009971	0.000546
07C1632	0.12 W	0.000046	0.000008	0.000016	0.000011	0.000007	0.000013	0.000091	0.000010	0.008571	0.000546
07C1633	0.18 W	0.000045	0.000008	0.000014	0.000011	0.000007	0.000013	0.000109	0.000010	0.006751	0.000546
07C1634	0.24 W	0.000049	0.000002	0.000018	0.000004	0.000003	0.000003	0.000070	0.000007	0.011120	0.000032
07C1636	0.29 W	0.000025	0.000007	0.000013	0.000005	0.000005	0.000006	0.000044	0.000011	0.006860	0.000666
07C1637	0.41 W	0.000026	0.000007	0.000013	0.000005	0.000006	0.000006	0.000055	0.000011	0.007800	0.000666
07C1638	0.53 W	0.000027	0.000007	0.000012	0.000005	0.000007	0.000006	0.000061	0.000011	0.008451	0.000666
07C1640	0.59 W	0.000028	0.000007	0.000011	0.000005	0.000011	0.000006	0.000063	0.000011	0.009173	0.000666
07C1641	0.71 W	0.000029	0.000007	0.000011	0.000005	0.000013	0.000006	0.000060	0.000011	0.009353	0.000666
07C1642	0.80 W	0.000029	0.000007	0.000011	0.000005	0.000014	0.000006	0.000057	0.000011	0.009486	0.000666
07C1644	0.88 W	0.000030	0.000007	0.000012	0.000005	0.000016	0.000006	0.000051	0.000011	0.009770	0.000666
07C1645	1.03 W	0.000031	0.000007	0.000013	0.000005	0.000016	0.000006	0.000049	0.000011	0.009972	0.000666
07C1646	1.15 W	0.000032	0.000007	0.000015	0.000005	0.000016	0.000006	0.000049	0.000011	0.010250	0.000666
07C1648	1.30 W	0.000035	0.000007	0.000020	0.000005	0.000015	0.000006	0.000052	0.000011	0.010990	0.000666
07C1649	1.41 W	0.000037	0.000007	0.000022	0.000005	0.000014	0.000006	0.000054	0.000011	0.011466	0.000666
07C1650	1.62 W	0.000039	0.000007	0.000025	0.000005	0.000013	0.000006	0.000058	0.000011	0.011989	0.000666
07C1652	1.95 W	0.000044	0.000007	0.000028	0.000005	0.000011	0.000006	0.000062	0.000011	0.013093	0.000666
07C1653	2.39 W	0.000047	0.000007	0.000028	0.000005	0.000011	0.000006	0.000061	0.000011	0.013579	0.000666
07C1654	2.92 W	0.000049	0.000007	0.000027	0.000005	0.000012	0.000006	0.000057	0.000011	0.013964	0.000666
07C1656	3.71 W	0.000054	0.000007	0.000019	0.000005	0.000018	0.000006	0.000033	0.000011	0.014196	0.000666
07C1657	4.60 W	0.000056	0.000007	0.000011	0.000005	0.000023	0.000006	0.000011	0.000011	0.013915	0.000666

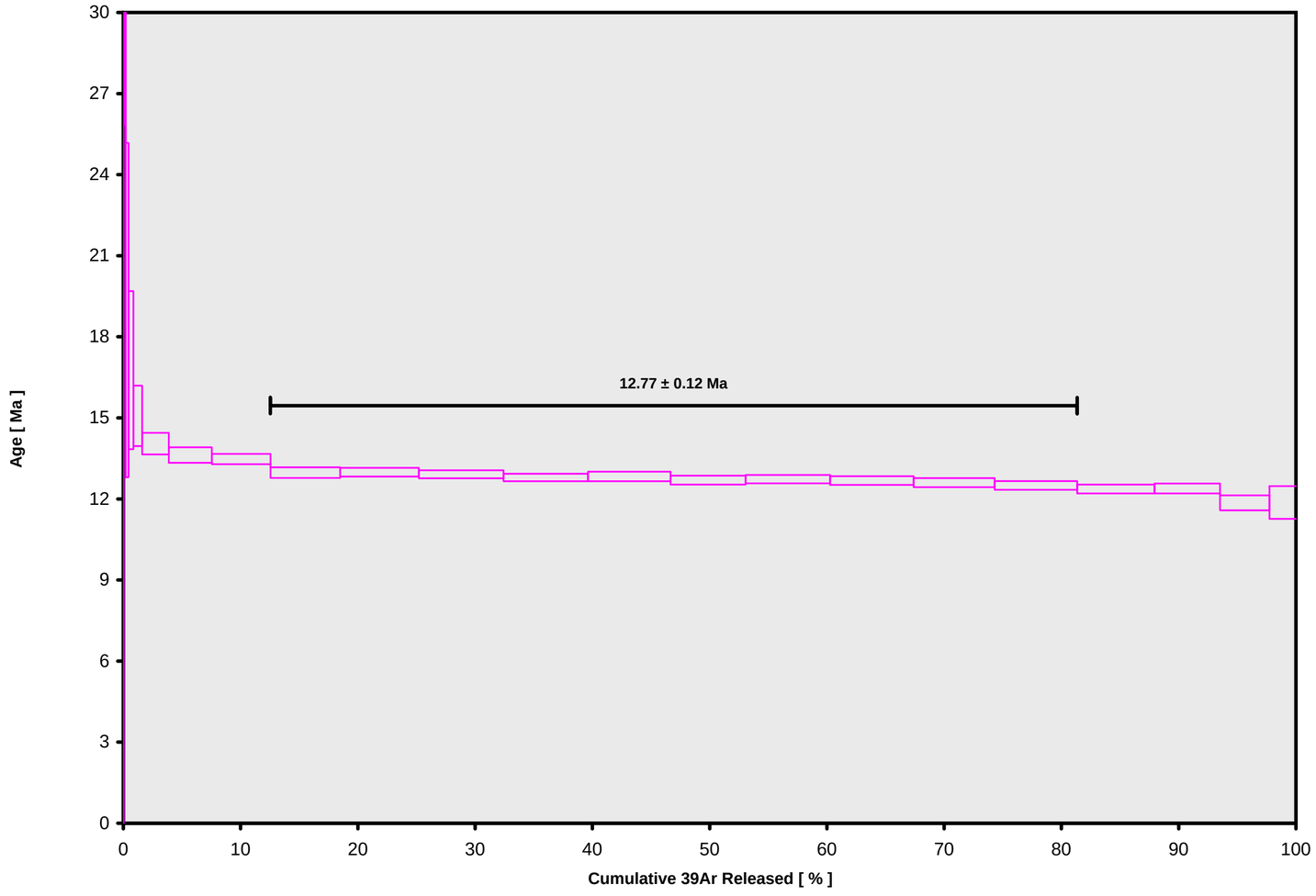
Intercept Values		36Ar	1σ	r2		37Ar	1σ	r2		38Ar	1σ	r2		39Ar	1σ	r2		40Ar	1σ	r2	
07C1627	0.00 W	0.001029	0.000016	0.0722	LIN #	0.000040	0.000005	0.1943	LIN #	0.000209	0.000006	0.1354	LIN #	0.000161	0.000006	0.9991	LIN #	0.317029	0.000482	0.9807	EXP # 1
07C1628	0.01 W	0.002495	0.000011	0.9413	LIN # 1	0.000129	0.000005	0.7769	LIN #	0.000475	0.000008	0.4187	LIN #	0.000549	0.000006	0.9997	LIN #	0.736000	0.001030	0.9824	EXP #
07C1629	0.02 W	0.002012	0.000024	0.2916	LIN #	0.000251	0.000007	0.5479	LIN #	0.000400	0.000003	0.3718	LIN # 3 4	0.000972	0.000011	0.9989	EXP #	0.614507	0.000988	0.9810	EXP # 7
07C1631	0.09 W	0.001759	0.000015	0.7490	LIN # 1 3	0.000597	0.000005	0.0797	LIN #	0.000365	0.000006	0.3869	LIN #	0.002123	0.000011	0.9987	EXP #	0.538315	0.000661	0.9916	EXP # 5 6
07C1632	0.12 W	0.001131	0.000010	0.7719	LIN #	0.001098	0.000007	0.8034	LIN #	0.000263	0.000005	0.3143	LIN #	0.004013	0.000022	0.9867	LIN #	0.350022	0.000599	0.9745	LIN # 3
07C1633	0.18 W	0.000772	0.000008	0.5743	LIN #	0.001761	0.000005	0.9473	LIN #	0.000238	0.000003	0.2067	LIN #	0.007152	0.000021	0.9535	LIN #	0.258609	0.000398	0.9325	LIN #
07C1634	0.24 W	0.000538	0.000007	0.1832	LIN #	0.002942	0.000013	0.9394	LIN #	0.000254	0.000003	0.6616	LIN # 7 8	0.012561	0.000011	0.9238	LIN # 9 10	0.217287	0.000360	0.9068	LIN # 6 9
07C1636	0.29 W	0.000512	0.000005	0.0122	LIN # 6	0.008138	0.000022	0.9802	EXP #	0.000538	0.000004	0.1024	LIN # 1	0.038066	0.000067	0.9870	LIN # 1 10	0.330089	0.000369	0.9898	LIN # 10
07C1637	0.41 W	0.000283	0.000006	0.0099	LIN # 6	0.012072	0.000033	0.9730	EXP #	0.000783	0.000011	0.3197	LIN #	0.061742	0.000275	0.9379	LIN # 2 3	0.368783	0.000930	0.9578	LIN # 2
07C1638	0.53 W	0.000229	0.000003	0.7429	LIN # 3	0.015285	0.000032	0.9863	EXP #	0.001030	0.000013	0.1276	LIN #	0.084028	0.000224	0.9674	EXP # 2 3	0.453316	0.001256	0.9454	LIN # 10
07C1640	0.59 W	0.000193	0.000008	0.0944	LIN #	0.015826	0.000079	0.8745	LIN #	0.001192	0.000012	0.4079	LIN #	0.099785	0.000179	0.9895	EXP # 1 6	0.499745	0.000582	0.9920	EXP # 5 8
07C1641	0.71 W	0.000176	0.000006	0.6824	LIN #	0.016823	0.000058	0.9849	LIN # 1 2	0.001317	0.000009	0.0193	LIN #	0.112771	0.000142	0.9954	LIN # 1 2	0.554143	0.001402	0.9663	LIN # 1 2
07C1642	0.80 W	0.000178	0.000007	0.4925	LIN #	0.016532	0.000040	0.9765	LIN #	0.001449	0.000009	0.4557	LIN #	0.121337	0.000168	0.9927	EXP # 5	0.591004	0.000268	0.9983	EXP # 8
07C1644	0.88 W	0.000177	0.000006	0.2725	LIN #	0.015485	0.000049	0.9721	LIN #	0.001447	0.000009	0.6238	LIN #	0.120777	0.000057	0.9991	EXP # 1	0.583939	0.000550	0.9925	LIN #
07C1645	1.03 W	0.000173	0.000006	0.4021	LIN #	0.014516	0.000033	0.9862	LIN # 9	0.001430	0.000010	0.3654	LIN #	0.118290	0.000523	0.8945	LIN #	0.573953	0.000703	0.9803	LIN # 8
07C1646	1.15 W	0.000153	0.000006	0.6885	LIN #	0.012213	0.000040	0.9530	LIN #	0.001312	0.000007	0.8338	LIN #	0.107350	0.000130	0.9915	EXP # 1	0.515310	0.001304	0.8969	LIN #
07C1648	1.30 W	0.000178	0.000006	0.5532	LIN #	0.013443	0.000040	0.9471	EXP # 1 9	0.001452	0.000019	0.0446	LIN #	0.120862	0.000252	0.9754	LIN # 2	0.583523	0.001207	0.9477	LIN #
07C1649	1.41 W	0.000184	0.000008	0.6000	LIN #	0.012813	0.000069	0.9082	LIN #	0.001451	0.000009	0.5897	LIN # 1	0.119861	0.000174	0.9912	LIN #	0.578936	0.000683	0.9894	EXP # 6
07C1650	1.62 W	0.000217	0.000008	0.4241	LIN #	0.012317	0.000028	0.9810	EXP #	0.001466	0.000009	0.8074	LIN # 1	0.115705	0.000288	0.9653	LIN # 4	0.567241	0.000507	0.9896	LIN #
07C1652	1.95 W	0.000241	0.000007	0.4354	LIN #	0.014749	0.000043	0.9768	EXP #	0.001451	0.000005	0.7871	LIN # 3 4	0.118088	0.000260	0.9810	LIN # 1	0.578185	0.000913	0.9783	LIN # 9
07C1653	2.39 W	0.000333	0.000007	0.2383	LIN #	0.020827	0.000059	0.9779	LIN #	0.001413	0.000010	0.1144	LIN #	0.110654	0.000232	0.9795	EXP # 2	0.561354	0.000726	0.9859	LIN # 5
07C1654	2.92 W	0.000397	0.000006	0.7610	LIN #	0.030556	0.000131	0.9500	EXP #	0.001258	0.000015	0.4201	LIN #	0.093907	0.000206	0.9756	LIN #	0.499069	0.000775	0.9805	LIN #
07C1656	3.71 W	0.000542	0.000008	0.1365	LIN #	0.036455	0.000158	0.9370	LIN #	0.001004	0.000007	0.3939	LIN #	0.070992	0.000190	0.9669	LIN #	0.421619	0.000758	0.9680	EXP #
07C1657	4.60 W	0.000737	0.000011	0.0504	LIN #	0.039078	0.000072	0.9929	EXP # 6	0.000646	0.000006	0.0771	LIN #	0.038111	0.000059	0.9786	EXP # 2	0.338080	0.000751	0.9057	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
07C1627	0.00 W	BAY-2 4D6-06	Groundmass 210-300µm	Bayonnaise, Samoa	Jamie Russell	0	28.03	0.01	0.0015698	0.24	1.00378	0.16	1.0149	1.012E-19	18	APR	2007	15	30	001	OSU4D06	Samoa	07C1627	01	FCT-3
07C1628	0.01 W	BAY-2 4D6-06	Groundmass 210-300µm	Bayonnaise, Samoa	Jamie Russell	0.01	28.03	0.01	0.0015698	0.24	1.00378	0.16	1.0149	1.012E-19	18	APR	2007	15	56	001	OSU4D06	Samoa	07C1627	01	FCT-3
07C1629	0.02 W	BAY-2 4D6-06	Groundmass 210-300µm	Bayonnaise, Samoa	Jamie Russell	0.02	28.03	0.01	0.0015698	0.24	1.00378	0.16	1.0151	1.012E-19	18	APR	2007	16	22	001	OSU4D06	Samoa	07C1627	01	FCT-3
07C1631	0.09 W	BAY-2 4D6-06	Groundmass 210-300µm	Bayonnaise, Samoa	Jamie Russell	0.09	28.03	0.01	0.0015698	0.24	1.00378	0.16	1.0151	1.012E-19	18	APR	2007	17	14	001	OSU4D06	Samoa	07C1627	01	FCT-3
07C1632	0.12 W	BAY-2 4D6-06	Groundmass 210-300µm	Bayonnaise, Samoa	Jamie Russell	0.12	28.03	0.01	0.0015698	0.24	1.00378	0.16	1.015	1.012E-19	18	APR	2007	17	40	001	OSU4D06	Samoa	07C1627	01	FCT-3
07C1633	0.18 W	BAY-2 4D6-06	Groundmass 210-300µm	Bayonnaise, Samoa	Jamie Russell	0.18	28.03	0.01	0.0015698	0.24	1.00378	0.16	1.0151	1.012E-19	18	APR	2007	18	07	001	OSU4D06	Samoa	07C1627	01	FCT-3
07C1634	0.24 W	BAY-2 4D6-06	Groundmass 210-300µm	Bayonnaise, Samoa	Jamie Russell	0.24	28.03	0.01	0.0015698	0.24	1.00378	0.16	1.015	1.012E-19	18	APR	2007	18	32	001	OSU4D06	Samoa	07C1627	01	FCT-3
07C1636	0.29 W	BAY-2 4D6-06	Groundmass 210-300µm	Bayonnaise, Samoa	Jamie Russell	0.29	28.03	0.01	0.0015698	0.24	1.00378	0.16	1.014	1.012E-19	19	APR	2007	06	46	001	OSU4D06	Samoa	07C1627	01	FCT-3
07C1637	0.41 W	BAY-2 4D6-06	Groundmass 210-300µm	Bayonnaise, Samoa	Jamie Russell	0.41	28.03	0.01	0.0015698	0.24	1.00378	0.16	1.0142	1.012E-19	19	APR	2007	07	12	001	OSU4D06	Samoa	07C1627	01	FCT-3
07C1638	0.53 W	BAY-2 4D6-06	Groundmass 210-300µm	Bayonnaise, Samoa	Jamie Russell	0.53	28.03	0.01	0.0015698	0.24	1.00378	0.16	1.0143	1.012E-19	19	APR	2007	07	38	001	OSU4D06	Samoa	07C1627	01	FCT-3
07C1640	0.59 W	BAY-2 4D6-06	Groundmass 210-300µm	Bayonnaise, Samoa	Jamie Russell	0.59	28.03	0.01	0.0015698	0.24	1.00378	0.16	1.0144	1.012E-19	19	APR	2007	08	31	001	OSU4D06	Samoa	07C1627	01	FCT-3
07C1641	0.71 W	BAY-2 4D6-06	Groundmass 210-300µm	Bayonnaise, Samoa	Jamie Russell	0.71	28.03	0.01	0.0015698	0.24	1.00378	0.16	1.0145	1.012E-19	19	APR	2007	08	57	001	OSU4D06	Samoa	07C1627	01	FCT-3
07C1642	0.80 W	BAY-2 4D6-06	Groundmass 210-300µm	Bayonnaise, Samoa	Jamie Russell	0.8	28.03	0.01	0.0015698	0.24	1.00378	0.16	1.0146	1.012E-19	19	APR	2007	09	23	001	OSU4D06	Samoa	07C1627	01	FCT-3
07C1644	0.88 W	BAY-2 4D6-06	Groundmass 210-300µm	Bayonnaise, Samoa	Jamie Russell	0.88	28.03	0.01	0.0015698	0.24	1.00378	0.16	1.0147	1.012E-19	19	APR	2007	10	16	001	OSU4D06	Samoa	07C1627	01	FCT-3
07C1645	1.03 W	BAY-2 4D6-06	Groundmass 210-300µm	Bayonnaise, Samoa	Jamie Russell	1.03	28.03	0.01	0.0015698	0.24	1.00378	0.16	1.0147	1.012E-19	19	APR	2007	10	42	001	OSU4D06	Samoa	07C1627	01	FCT-3
07C1646	1.15 W	BAY-2 4D6-06	Groundmass 210-300µm	Bayonnaise, Samoa	Jamie Russell	1.15	28.03	0.01	0.0015698	0.24	1.00378	0.16	1.0148	1.012E-19	19	APR	2007	11	09	001	OSU4D06	Samoa	07C1627	01	FCT-3
07C1648	1.30 W	BAY-2 4D6-06	Groundmass 210-300µm	Bayonnaise, Samoa	Jamie Russell	1.3	28.03	0.01	0.0015698	0.24	1.00378	0.16	1.015	1.012E-19	19	APR	2007	12	00	001	OSU4D06	Samoa	07C1627	01	FCT-3
07C1649	1.41 W	BAY-2 4D6-06	Groundmass 210-300µm	Bayonnaise, Samoa	Jamie Russell	1.41	28.03	0.01	0.0015698	0.24	1.00378	0.16	1.015	1.012E-19	19	APR	2007	12	26	001	OSU4D06	Samoa	07C1627	01	FCT-3
07C1650	1.62 W	BAY-2 4D6-06	Groundmass 210-300µm	Bayonnaise, Samoa	Jamie Russell	1.62	28.03	0.01	0.0015698	0.24	1.00378	0.16	1.0152	1.012E-19	19	APR	2007	12	52	001	OSU4D06	Samoa	07C1627	01	FCT-3
07C1652	1.95 W	BAY-2 4D6-06	Groundmass 210-300µm	Bayonnaise, Samoa	Jamie Russell	1.95	28.03	0.01	0.0015698	0.24	1.00378	0.16	1.0154	1.012E-19	19	APR	2007	13	45	001	OSU4D06	Samoa	07C1627	01	FCT-3
07C1653	2.39 W	BAY-2 4D6-06	Groundmass 210-300µm	Bayonnaise, Samoa	Jamie Russell	2.39	28.03	0.01	0.0015698	0.24	1.00378	0.16	1.0155	1.012E-19	19	APR	2007	14	11	001	OSU4D06	Samoa	07C1627	01	FCT-3
07C1654	2.92 W	BAY-2 4D6-06	Groundmass 210-300µm	Bayonnaise, Samoa	Jamie Russell	2.92	28.03	0.01	0.0015698	0.24	1.00378	0.16	1.0155	1.012E-19	19	APR	2007	14	37	001	OSU4D06	Samoa	07C1627	01	FCT-3
07C1656	3.71 W	BAY-2 4D6-06	Groundmass 210-300µm	Bayonnaise, Samoa	Jamie Russell	3.71	28.03	0.01	0.0015698	0.24	1.00378	0.16	1.0154	1.012E-19	19	APR	2007	15	30	001	OSU4D06	Samoa	07C1627	01	FCT-3
07C1657	4.60 W	BAY-2 4D6-06	Groundmass 210-300µm	Bayonnaise, Samoa	Jamie Russell	4.6	28.03	0.01	0.0015698	0.24	1.00378	0.16	1.0156	1.012E-19	19	APR	2007	15	55	001	OSU4D06	Samoa	07C1627	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
07C1627	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
07C1628	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
07C1629	0.02 W	295.5	0	0.018	35	0.1869	0	1.493	3	0.000709	1.83	0.000032	21.9	0.000269	0.37	0.00165	24.9	0.01211	0.1	0	0	0.43	2	0	0	0	0
07C1631	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
07C1632	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
07C1633	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
07C1634	0.24 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
07C1636	0.29 W	295.5	0	0.018	35	0.1869	0	1.493	3	0.000709	1.83	0.000032	21.9	0.000269	0.37	0.00165	24.9	0.01211	0.1	0	0	0.43	2	0	0	0	0
07C1637	0.41 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
07C1638	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
07C1640	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
07C1641	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
07C1642	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
07C1644	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
07C1645	1.03 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
07C1646	1.15 W	295.5	0	0.018	35	0.1869	0	1.493	3	0.000709	1.83	0.000032	21.9	0.000269	0.37	0.00165	24.9	0.01211	0.1	0	0	0.43	2	0	0	0	0
07C1648	1.30 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
07C1649	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
07C1650	1.62 W	295.5	0	0.018	35	0.1869	0	1.493	3	0.000709	1.83	0.000032	21.9	0.000269	0.37	0.00165	24.9	0.01211	0.1	0	0	0.43	2	0	0	0	0
07C1652	1.95 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
07C1653	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
07C1654	2.92 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
07C1656	3.71 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
07C1657	4.60 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

07C1627.AGE >>> BAY-2 4D6-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
12.77 ± 0.12
TOTAL FUSION
12.94 ± 0.09
NORMAL ISOCHRON
12.99 ± 0.46
INVERSE ISOCHRON
12.43 ± 0.69

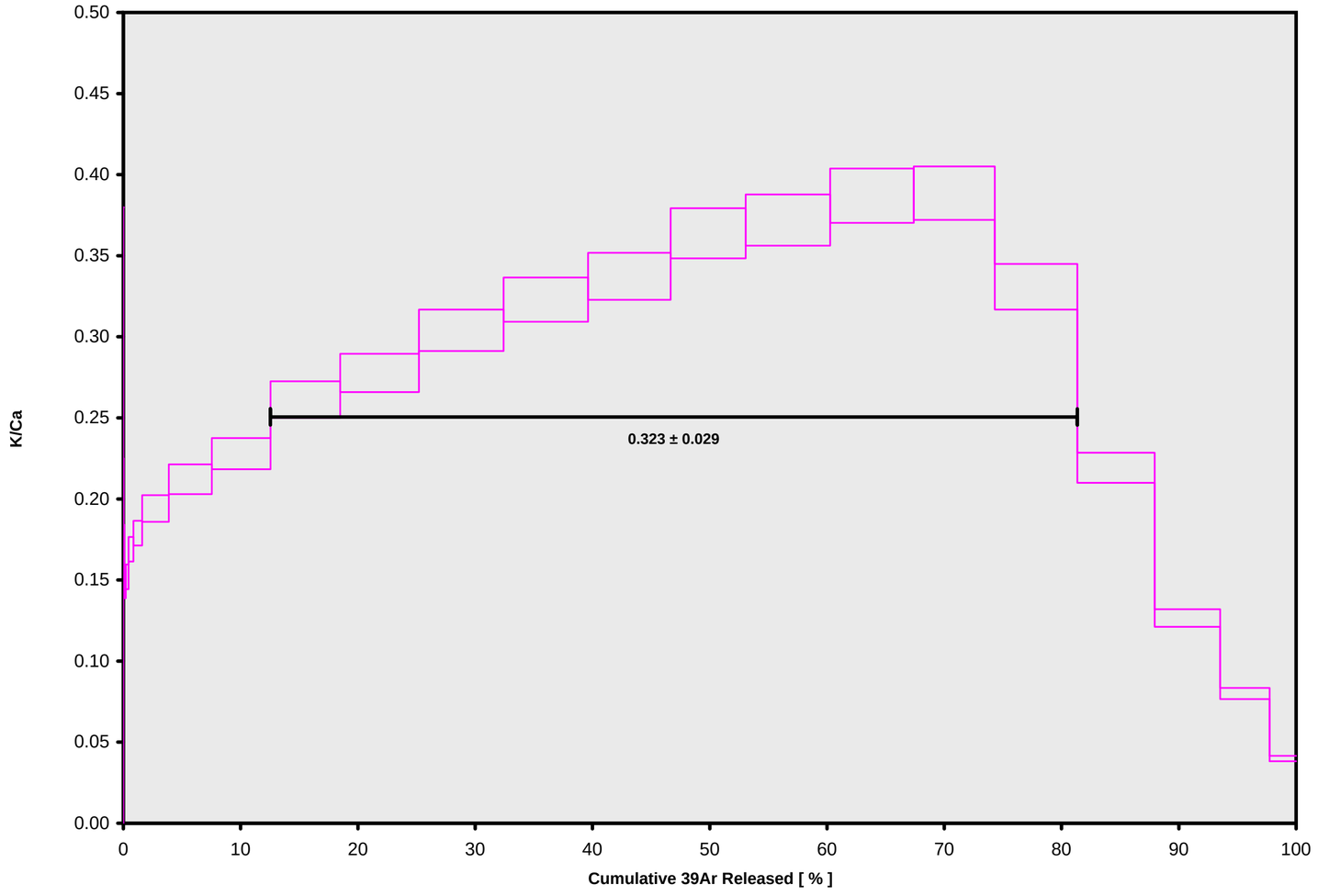
MSWD (PROBABILITY)
3.78 (0%)

Sample Info

Groundmass 210-300µm
Bayonnaise, Samoa
Jamie Russell

IRR = OSU4D06
J = 0.00156980 ± 0.00000377

07C1627.AGE >>> BAY-2 4D6-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
12.77 ± 0.12
TOTAL FUSION
12.94 ± 0.09
NORMAL ISOCHRON
12.99 ± 0.46
INVERSE ISOCHRON
12.43 ± 0.69

Sample Info

Groundmass 210-300µm
Bayonnaise, Samoa
Jamie Russell

IRR = OSU4D06
J = 0.00156980 ± 0.00000377

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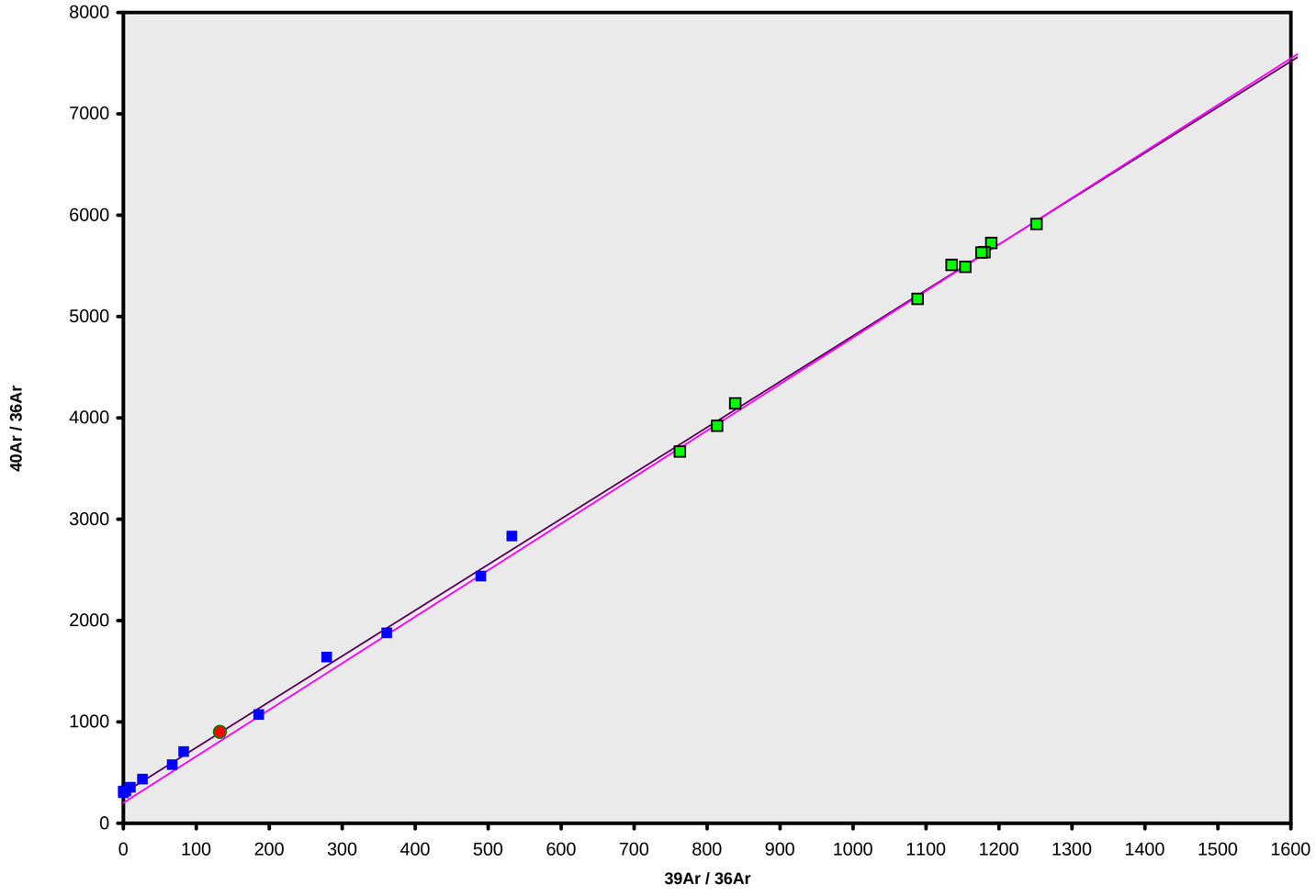
07C1627.AGE >>> BAY-2 4D6-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
12.77 ± 0.12
TOTAL FUSION
12.94 ± 0.09
NORMAL ISOCHRON
12.99 ± 0.46
INVERSE ISOCHRON
12.43 ± 0.69

MSWD (PROBABILITY)
4.31 (0%)

40AR/36AR INTERCEPT
201.0 ± 163.2

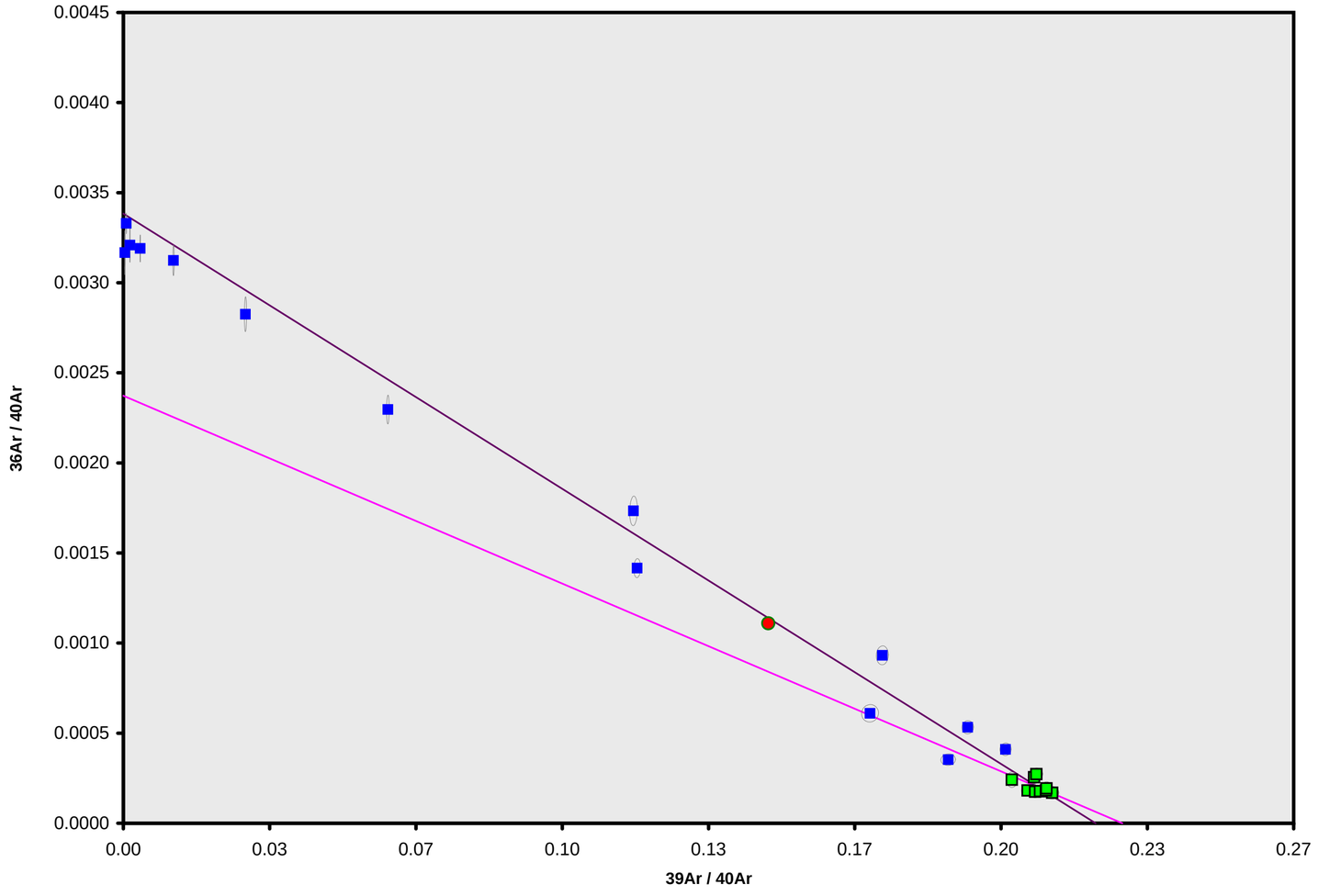
Sample Info

Groundmass 210-300µm
Bayonnaise, Samoa
Jamie Russell

IRR = OSU4D06
J = 0.00156980 ± 0.00000377

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

07C1627.AGE >>> BAY-2 4D6-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
12.77 ± 0.12
TOTAL FUSION
12.94 ± 0.09
NORMAL ISOCHRON
12.99 ± 0.46
INVERSE ISOCHRON
12.43 ± 0.69

MSWD (PROBABILITY)
3.96 (0%)

SPREADING FACTOR
4.0%

40AR/36AR INTERCEPT
421.5 ± 386.8

Sample Info

Groundmass 210-300µm
Bayonnaise, Samoa
Jamie Russell

IRR = OSU4D06
J = 0.00156980 ± 0.00000377