Incremental Heating			36Ar(a)	37Ar(ca)	38Ar(cl)	39Ar(k)	40Ar(r)	Age ± 2σ (Ma)	40Ar(r) (%)	39Ar(k) (%)	K/Ca ± 2σ
07C1659	0.00 W		0.005599	0.000331	0.000036	0.000285	0.024048	225.83 ± 290.80	1.43	0.01	0.4 ± 0.2
07C1660	0.01 W		0.009496	0.000530	0.000065	0.000832	0.077553	247.67 ± 143.22	2.69	0.02	0.7 ± 0.2
07C1661	0.02 W		0.010674	0.000555	0.000045	0.001783	0.088400	135.97 ± 73.13	2.73	0.05	1.4 ± 0.5
07C1662	0.03 W		0.012428	0.000708	0.000047	0.004694	0.132633	78.76 ± 48.97	3.49	0.12	2.9 ± 0.8
07C1664	0.09 W		0.009141	0.000660	0.000068	0.006666	0.088218	37.32 ± 21.76	3.16	0.17	4.3 ± 0.7
07C1665	0.18 W		0.007375	0.000964	0.000000	0.015041	0.057963	10.95 ± 8.36	2.59	0.39	6.7 ± 0.9
07C1666	0.21 W		0.005226	0.001227	0.000017	0.022719	0.094254	11.78 ± 4.48	5.75	0.59	8.0 ± 1.2
07C1667	0.27 W		0.003687	0.002357	0.000000	0.049535	0.062658	3.60 ± 1.11	5.44	1.28	9.0 ± 0.6
07C1668	0.35 W		0.002305	0.004150	0.000022	0.085870	0.076613	2.54 ± 0.55	10.11	2.22	8.9 ± 0.5
07C1670	0.44 W		0.001695	0.011452	0.000000	0.246190	0.209482	2.42 ± 0.17	29.47	6.36	9.2 ± 0.4
07C1671	0.53 W		0.000510	0.008697	0.000000	0.189317	0.141044	2.12 ± 0.13	48.28	4.89	9.4 ± 0.5
07C1672	0.62 W	✓	0.000208	0.008565	0.000000	0.188260	0.134001	2.03 ± 0.08	68.48	4.86	9.5 ± 0.5
07C1674	0.71 W	✓	0.000101	0.008691	0.000022	0.188163	0.132972	2.01 ± 0.07	81.53	4.86	9.3 ± 0.4
07C1675	0.85 W	✓	0.000079	0.010908	0.000000	0.234753	0.163464	1.98 ± 0.06	87.38	6.06	9.3 ± 0.4
07C1676	1.03 W	✓	0.000066	0.011826	0.000000	0.254385	0.174015	1.95 ± 0.05	89.74	6.57	9.2 ± 0.4
07C1678	1.15 W	✓	0.000058	0.012104	0.000027	0.258244	0.176234	1.94 ± 0.05	90.93	6.67	9.2 ± 0.4
07C1679	1.33 W	✓	0.000060	0.011629	0.000023	0.249238	0.168707	1.93 ± 0.06	90.24	6.43	9.2 ± 0.4
07C1680	1.50 W	✓	0.000062	0.011039	0.000000	0.234345	0.156310	1.90 ± 0.05	89.35	6.05	9.1 ± 0.4
07C1684	1.68 W	✓	0.000066	0.009935	0.000000	0.207796	0.138225	1.89 ± 0.07	87.39	5.36	9.0 ± 0.5
07C1685	1.86 W	✓	0.000067	0.008279	0.000000	0.177404	0.120356	1.93 ± 0.08	85.75	4.58	9.2 ± 0.4
07C1686	2.18 W	✓	0.000166	0.014660	0.000000	0.295470	0.194516	1.87 ± 0.04	79.71	7.63	8.7 ± 0.4
07C1687	2.51 W	✓	0.000161	0.014530	0.000000	0.293332	0.201699	1.96 ± 0.05	80.78	7.57	8.7 ± 0.4
07C1689	2.92 W	✓	0.000166	0.011550	0.000012	0.234490	0.157094	1.91 ± 0.06	76.09	6.05	8.7 ± 0.4
07C1690	3.36 W	✓	0.000168	0.010567	0.000000	0.212011	0.144391	1.94 ± 0.07	74.23	5.47	8.6 ± 0.4
07C1691	4.10 W		0.000102	0.006425	0.000011	0.131464	0.096861	2.10 ± 0.09	76.07	3.39	8.8 ± 0.4
07C1692	4.78 W		0.000090	0.004225	0.000005	0.091030	0.068723	2.15 ± 0.15	71.99	2.35	9.3 ± 0.6
		Σ	0.069756	0.186566	0.000400	3.873317	3.280433				

Information on Analysis

Sample = TAM-2 4D5-06
Material = Groundmass 210-300µm
Location = Tama'i, Samoa
Analyst = Jamie Russell
Project = SAMOA
Mass Discrimination Law = LIN
Irradiation = OSU4D06
J = 0.00157540 ± 0.00000362
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	0.6795 ± 0.0082	1.93 ± 0.02	2.15	78.17	9.0 ± 0.2
Error Mean	± 1.21%	± 1.29%	1%	13	
	Minimal External Error	± 0.04	1.41	2σ Confidence Limit	
	Analytical Error	± 0.02	1.4665	Error Magnification	
Total Fusion Age	0.8469 ± 0.0367	2.41 ± 0.10		26	8.9 ± 0.4
	± 4.33%	± 4.35%			
	Minimal External Error	± 0.11			
	Analytical Error	± 0.10			

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
07C1659	0.00 W		0.1 ± 0.0	299.8 ± 5.9	0.1723
07C1660	0.01 W		0.1 ± 0.0	303.7 ± 5.2	0.3907
07C1661	0.02 W		0.2 ± 0.0	303.8 ± 4.7	0.3678
07C1662	0.03 W		0.4 ± 0.0	306.2 ± 7.0	0.8431
07C1664	0.09 W		0.7 ± 0.0	305.2 ± 5.9	0.8539
07C1665	0.18 W		2.0 ± 0.0	303.4 ± 6.2	0.9471
07C1666	0.21 W		4.3 ± 0.1	313.5 ± 7.3	0.9272
07C1667	0.27 W		13.4 ± 0.2	312.5 ± 5.5	0.8736
07C1668	0.35 W		37.3 ± 0.9	328.7 ± 8.1	0.9697
07C1670	0.44 W		145.2 ± 4.3	419.1 ± 12.3	0.9784
07C1671	0.53 W		371.0 ± 20.9	571.9 ± 32.1	0.9904
07C1672	0.62 W	✓	906.7 ± 73.3	940.8 ± 76.0	0.9971
07C1674	0.71 W	✓	1865.2 ± 290.5	1613.6 ± 251.2	0.9989
07C1675	0.85 W	✓	2987.0 ± 647.4	2375.4 ± 514.9	0.9993
07C1676	1.03 W	✓	3859.3 ± 847.5	2935.5 ± 644.5	0.9997
07C1678	1.15 W	✓	4446.2 ± 1044.3	3329.7 ± 781.9	0.9994
07C1679	1.33 W	✓	4128.7 ± 1086.3	3090.2 ± 812.8	0.9996
07C1680	1.50 W	✓	3793.6 ± 878.9	2825.8 ± 654.6	0.9998
07C1684	1.68 W	✓	3132.2 ± 780.6	2379.0 ± 592.8	0.9998
07C1685	1.86 W	✓	2659.4 ± 692.7	2099.7 ± 546.9	0.9997
07C1686	2.18 W	✓	1781.1 ± 159.8	1468.0 ± 131.5	0.9979
07C1687	2.51 W	✓	1824.1 ± 183.9	1549.8 ± 156.1	0.9994
07C1689	2.92 W	✓	1414.8 ± 151.5	1243.4 ± 133.1	0.9989
07C1690	3.36 W	✓	1258.5 ± 135.4	1152.6 ± 124.0	0.9985
07C1691	4.10 W		1284.2 ± 171.6	1241.7 ± 165.9	0.9988
07C1692	4.78 W		1011.7 ± 182.2	1059.3 ± 190.8	0.9996

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	318.4768 ± 38.7054	0.6659 ± 0.0196	1.90 ± 0.06	1.92
No Convergence	± 12.15%	± 2.94%	± 2.98%	3%
		Minimal External Error	± 0.07	
		Analytical Error	± 0.06	

Statistics				
2σ Confidence Limit	1.85	Convergence	0.0000364471
Error Magnification	1.3857	Number of Iterations	100
Number of Data Points	13	Calculated Line	Weighted York-2

Inverse Isochron			39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
07C1659	0.00 W		0.000170 ± 0.000018	0.003336 ± 0.000066	0.0076
07C1660	0.01 W		0.000289 ± 0.000011	0.003293 ± 0.000056	0.0079
07C1661	0.02 W		0.000550 ± 0.000021	0.003292 ± 0.000051	0.0059
07C1662	0.03 W		0.001234 ± 0.000017	0.003266 ± 0.000075	0.0675
07C1664	0.09 W		0.002390 ± 0.000027	0.003277 ± 0.000063	0.0367
07C1665	0.18 W		0.006723 ± 0.000045	0.003296 ± 0.000067	0.0865
07C1666	0.21 W		0.013867 ± 0.000127	0.003189 ± 0.000074	0.0655
07C1667	0.27 W		0.042992 ± 0.000388	0.003200 ± 0.000056	0.1816
07C1668	0.35 W		0.113317 ± 0.000688	0.003042 ± 0.000075	0.0803
07C1670	0.44 W		0.346529 ± 0.002134	0.002386 ± 0.000070	0.0511
07C1671	0.53 W		0.648680 ± 0.005051	0.001749 ± 0.000098	0.0484
07C1672	0.62 W	✓	0.963659 ± 0.005927	0.001063 ± 0.000086	0.0209
07C1674	0.71 W	✓	1.155920 ± 0.008367	0.000620 ± 0.000096	0.0142
07C1675	0.85 W	✓	1.257462 ± 0.009994	0.000421 ± 0.000091	0.0171
07C1676	1.03 W	✓	1.314699 ± 0.006986	0.000341 ± 0.000075	0.0042
07C1678	1.15 W	✓	1.335301 ± 0.010469	0.000300 ± 0.000071	0.0083
07C1679	1.33 W	✓	1.336071 ± 0.010027	0.000324 ± 0.000085	0.0048
07C1680	1.50 W	✓	1.342453 ± 0.006168	0.000354 ± 0.000082	0.0060
07C1684	1.68 W	✓	1.316591 ± 0.006511	0.000420 ± 0.000105	0.0055
07C1685	1.86 W	✓	1.266551 ± 0.007457	0.000476 ± 0.000124	0.0104
07C1686	2.18 W	✓	1.213245 ± 0.007030	0.000681 ± 0.000061	0.0085
07C1687	2.51 W	✓	1.177007 ± 0.004223	0.000645 ± 0.000065	0.0048
07C1689	2.92 W	✓	1.137922 ± 0.005663	0.000804 ± 0.000086	0.0132
07C1690	3.36 W	✓	1.091872 ± 0.006358	0.000868 ± 0.000093	0.0251
07C1691	4.10 W		1.034252 ± 0.006672	0.000805 ± 0.000108	0.0275
07C1692	4.78 W		0.955070 ± 0.004666	0.000944 ± 0.000170	0.0099

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	322.4687 ± 38.5915	0.6676 ± 0.0186	1.90 ± 0.05	1.94
Error Chron	± 11.97%	± 2.79%	± 2.83%	3%
		Minimal External Error	± 0.06	
		Analytical Error	± 0.05	

Statistics				
2σ Confidence Limit	1.85	Convergence	0.0004499049
Error Magnification	1.3921	Number of Iterations	3
Number of Data Points	13	Calculated Line	Weighted York-2
Spreading Factor	25.3%		

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Scripps Institution of Oceanography, La Jolla, USA

Relative Abundances			36Ar	%1σ	37Ar	%1σ	38Ar	%1σ	39Ar	%1σ	40Ar	%1σ	Age ± 2σ (Ma)	40Ar(r) (%)	39Ar(k) (%)	K/Ca ± 2σ
07C1659	0.00 W		0.0055993	0.971	0.0003310	22.416	0.0010861	1.124	0.0002850	5.424	1.6786219	0.203	225.83 ± 290.80	1.43	0.01	0.4 ± 0.2
07C1660	0.01 W		0.0094963	0.845	0.0005296	13.510	0.0018496	0.786	0.0008327	1.969	2.8836662	0.116	247.67 ± 143.22	2.69	0.02	0.7 ± 0.2
07C1661	0.02 W		0.0106742	0.774	0.0005547	17.682	0.0020617	0.551	0.0017838	1.941	3.2425854	0.095	135.97 ± 73.13	2.73	0.05	1.4 ± 0.5
07C1662	0.03 W		0.0124277	1.122	0.0007081	13.489	0.0024268	0.461	0.0046941	0.662	3.8049745	0.233	78.76 ± 48.97	3.49	0.12	2.9 ± 0.8
07C1664	0.09 W		0.0091413	0.950	0.0006597	8.221	0.0018575	1.007	0.0066660	0.555	2.7894228	0.142	37.32 ± 21.76	3.16	0.17	4.3 ± 0.7
07C1665	0.18 W		0.0073756	1.003	0.0009641	6.521	0.0015534	1.001	0.0150416	0.289	2.2373987	0.172	10.95 ± 8.36	2.59	0.39	6.7 ± 0.9
07C1666	0.21 W		0.0052260	1.147	0.0012271	7.267	0.0012685	1.611	0.0227203	0.418	1.6384732	0.187	11.78 ± 4.48	5.75	0.59	8.0 ± 1.2
07C1667	0.27 W		0.0036877	0.837	0.0023567	2.588	0.0012780	0.986	0.0495368	0.363	1.1522704	0.268	3.60 ± 1.11	5.44	1.28	9.0 ± 0.6
07C1668	0.35 W		0.0023063	1.212	0.0041495	2.099	0.0014926	0.840	0.0858731	0.250	0.7579321	0.173	2.54 ± 0.55	10.11	2.22	8.9 ± 0.5
07C1670	0.44 W		0.0016984	1.460	0.0114524	1.071	0.0032566	0.798	0.2461977	0.268	0.7108504	0.151	2.42 ± 0.17	29.47	6.36	9.2 ± 0.4
07C1671	0.53 W		0.0005127	2.787	0.0086968	1.486	0.0023163	0.589	0.1893233	0.314	0.2921624	0.228	2.12 ± 0.13	48.28	4.89	9.4 ± 0.5
07C1672	0.62 W	✓	0.0002099	3.992	0.0085652	1.323	0.0022632	0.661	0.1882663	0.262	0.1956704	0.156	2.03 ± 0.08	68.48	4.86	9.5 ± 0.5
07C1674	0.71 W	✓	0.0001032	7.606	0.0086908	0.991	0.0023197	0.664	0.1881687	0.302	0.1630920	0.194	2.01 ± 0.07	81.53	4.86	9.3 ± 0.4
07C1675	0.85 W	✓	0.0000815	10.444	0.0109083	1.305	0.0028518	0.849	0.2347606	0.291	0.1870751	0.266	1.98 ± 0.06	87.38	6.06	9.3 ± 0.4
07C1676	1.03 W	✓	0.0000691	10.472	0.0118262	1.064	0.0030835	0.525	0.2543937	0.242	0.1939129	0.096	1.95 ± 0.05	89.74	6.57	9.2 ± 0.4
07C1678	1.15 W	✓	0.0000613	11.115	0.0121044	1.018	0.0031654	0.812	0.2582528	0.339	0.1938238	0.188	1.94 ± 0.05	90.93	6.67	9.2 ± 0.4
07C1679	1.33 W	✓	0.0000635	12.502	0.0116294	1.057	0.0030528	0.615	0.2492461	0.343	0.1869566	0.143	1.93 ± 0.06	90.24	6.43	9.2 ± 0.4
07C1680	1.50 W	✓	0.0000647	11.051	0.0110389	1.108	0.0028162	0.547	0.2343524	0.192	0.1749511	0.113	1.90 ± 0.05	89.35	6.05	9.1 ± 0.4
07C1684	1.68 W	✓	0.0000690	11.977	0.0099354	1.555	0.0024920	0.646	0.2078033	0.210	0.1581719	0.119	1.89 ± 0.07	87.39	5.36	9.0 ± 0.5
07C1685	1.86 W	✓	0.0000689	12.600	0.0082789	1.362	0.0021375	0.760	0.1774098	0.216	0.1403612	0.192	1.93 ± 0.08	85.75	4.58	9.2 ± 0.4
07C1686	2.18 W	✓	0.0001698	4.374	0.0146605	1.078	0.0035548	0.670	0.2954807	0.270	0.2440247	0.092	1.87 ± 0.04	79.71	7.63	8.7 ± 0.4
07C1687	2.51 W	✓	0.0001647	4.917	0.0145303	0.804	0.0035474	0.808	0.2933419	0.167	0.2497022	0.045	1.96 ± 0.05	80.78	7.57	8.7 ± 0.4
07C1689	2.92 W	✓	0.0001688	5.252	0.0115499	1.244	0.0028834	0.663	0.2344985	0.210	0.2064558	0.124	1.91 ± 0.06	76.09	6.05	8.7 ± 0.4
07C1690	3.36 W	✓	0.0001713	5.287	0.0105673	1.307	0.0025881	0.849	0.2120188	0.213	0.1945221	0.193	1.94 ± 0.07	74.23	5.47	8.6 ± 0.4
07C1691	4.10 W		0.0001041	6.566	0.0064254	1.315	0.0016226	0.570	0.1314683	0.212	0.1273269	0.239	2.10 ± 0.09	76.07	3.39	8.8 ± 0.4
07C1692	4.78 W		0.0000911	8.891	0.0042252	2.259	0.0011241	0.889	0.0910328	0.195	0.0954624	0.142	2.15 ± 0.15	71.99	2.35	9.3 ± 0.6
		Σ	0.0698068	0.338	0.1865658	0.303	0.0599495	0.152	3.8734492	0.062	23.8998674	0.054				

Information on Analysis and Constants Used in Calculations

Sample = TAM-2 4D5-06
Material = Groundmass 210-300µm
Location = Tama'i, Samoa
Analyst = Jamie Russell
Project = SAMOA
Mass Discrimination Law = LIN
Irradiation = OSU4D06
J = 0.00157540 ± 0.00000362
FCT-3 = 28.030 ± 0.003 Ma
IGSN = KOP000048
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 = Trachybasalt
Lat-Lon = 13°45.3'S - 170°32.1'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	0.6795 ± 0.0082	1.93 ± 0.02	2.15	78.17	9.0 ± 0.2
Error Mean	± 1.21%	± 1.29%	1%	13	
	Minimal External Error ± 0.04		1.41	2σ Confidence Limit	
	Analytical Error ± 0.02		1.4665	Error Magnification	
Total Fusion Age	0.8469 ± 0.0367	2.41 ± 0.10		26	8.9 ± 0.4
	± 4.33%	± 4.35%			
	Minimal External Error ± 0.11				
	Analytical Error ± 0.10				
Normal Isochron	0.6659 ± 0.0196	1.90 ± 0.06	1.92	78.17	
No Convergence	± 2.94%	± 2.98%	3%	13	
	Minimal External Error ± 0.07		1.85	2σ Confidence Limit	
	Analytical Error ± 0.06		1.3857	Error Magnification	
Inverse Isochron	0.6676 ± 0.0186	1.90 ± 0.05	1.94	78.17	
Error Chron	± 2.79%	± 2.83%	3%	13	
	Minimal External Error ± 0.06		1.85	2σ Confidence Limit	
	Analytical Error ± 0.05		1.3921	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
07C1659	0.00 W		0.005599	0.97	0.000000	0.00	0.000000	22.42	0.000000	44.23	0.000331	22.42	0.001046	0.97	0.000000	0.00	0.000003	5.43	0.000000	31.34	0.000036	44.56	0.000285	5.43	0.000000	22.49	0.024048	68.27	1.654574	0.97	0.000000	0.00	0.000000	25.48
07C1660	0.01 W		0.009496	0.85	0.000000	0.00	0.000000	13.52	0.000000	32.77	0.000530	13.51	0.001775	0.85	0.000000	0.00	0.000010	1.97	0.000000	25.73	0.000065	33.21	0.000832	1.97	0.000000	13.63	0.077553	30.88	2.806112	0.85	0.000000	0.00	0.000001	24.98
07C1661	0.02 W		0.010674	0.77	0.000000	0.00	0.000000	17.69	0.000000	42.88	0.000555	17.68	0.001995	0.77	0.000000	0.00	0.000022	1.94	0.000000	28.15	0.000045	43.22	0.001783	1.94	0.000000	17.78	0.088400	27.85	3.154182	0.77	0.000000	0.00	0.000003	24.98
07C1662	0.03 W		0.012428	1.12	0.000000	0.00	0.000000	13.49	0.000000	60.24	0.000708	13.49	0.002323	1.12	0.000000	0.00	0.000057	0.67	0.000000	25.72	0.000047	60.48	0.004694	0.66	0.000001	13.61	0.132633	31.76	3.672334	1.12	0.000000	0.00	0.000008	24.91
07C1664	0.09 W		0.009141	0.95	0.000000	0.00	0.000000	8.23	0.000000	36.68	0.000660	8.22	0.001708	0.95	0.000000	0.00	0.000081	0.56	0.000000	23.39	0.000068	37.07	0.006666	0.56	0.000000	8.42	0.088218	29.45	2.701194	0.95	0.000000	0.00	0.000011	24.91
07C1665	0.18 W		0.007375	1.00	0.000000	0.00	0.000000	6.53	0.000000	0.00	0.000964	6.52	0.001378	1.00	0.000000	0.00	0.000182	0.31	0.000000	22.85	0.000000	0.00	0.015041	0.29	0.000001	6.77	0.057963	38.29	2.179411	1.00	0.000000	0.00	0.000025	24.90
07C1666	0.21 W		0.005226	1.15	0.000000	0.00	0.000000	7.28	0.000000	140.53	0.001227	7.27	0.000977	1.15	0.000000	0.00	0.000275	0.43	0.000000	23.07	0.000017	140.63	0.022719	0.42	0.000001	7.49	0.094254	19.07	1.544182	1.15	0.000000	0.00	0.000037	24.90
07C1667	0.27 W		0.003687	0.84	0.000000	0.00	0.000001	2.61	0.000000	0.00	0.002357	2.59	0.000689	0.84	0.000000	0.00	0.000600	0.38	0.000000	22.05	0.000000	0.00	0.049535	0.36	0.000002	3.17	0.062658	15.37	1.089531	0.84	0.000000	0.00	0.000082	24.90
07C1668	0.35 W		0.002305	1.21	0.000000	0.00	0.000001	2.13	0.000000	64.16	0.004150	2.10	0.000431	1.21	0.000000	0.00	0.001040	0.27	0.000000	22.00	0.000022	64.38	0.085870	0.25	0.000003	2.78	0.076613	10.92	0.681178	1.21	0.000000	0.00	0.000142	24.90
07C1670	0.44 W		0.001695	1.46	0.000000	0.00	0.000003	1.13	0.000000	0.00	0.011452	1.07	0.000317	1.46	0.000000	0.00	0.002981	0.29	0.000000	21.93	0.000000	0.00	0.246190	0.27	0.000008	2.12	0.209482	3.54	0.500963	1.46	0.000000	0.00	0.000406	24.90
07C1671	0.53 W		0.000510	2.80	0.000000	0.00	0.000002	1.53	0.000000	0.00	0.008697	1.49	0.000095	2.80	0.000000	0.00	0.002293	0.33	0.000000	21.95	0.000000	0.00	0.189317	0.31	0.000006	2.36	0.141044	3.03	0.150806	2.80	0.000000	0.00	0.000312	24.90
07C1672	0.62 W	✓	0.000208	4.04	0.000000	0.00	0.000002	1.37	0.000000	0.00	0.008565	1.32	0.000039	4.04	0.000000	0.00	0.002280	0.28	0.000000	21.94	0.000000	0.00	0.188260	0.26	0.000006	2.26	0.134001	1.86	0.061358	4.04	0.000000	0.00	0.000311	24.90
07C1674	0.71 W	✓	0.000101	7.78	0.000000	0.00	0.000002	1.06	0.000000	78.29	0.008691	0.99	0.000019	7.78	0.000000	0.00	0.002279	0.32	0.000000	21.92	0.000022	78.48	0.188163	0.30	0.000006	2.08	0.132972	1.76	0.029809	7.78	0.000000	0.00	0.000310	24.90
07C1675	0.85 W	✓	0.000079	10.83	0.000000	0.00	0.000003	1.36	0.000000	0.00	0.010908	1.30	0.000015	10.83	0.000000	0.00	0.002843	0.31	0.000000	21.94	0.000000	0.00	0.234753	0.29	0.000008	2.25	0.163464	1.57	0.023224	10.83	0.000000	0.00	0.000387	24.90
07C1676	1.03 W	✓	0.000066	10.98	0.000000	0.00	0.000003	1.13	0.000000	0.00	0.011826	1.06	0.000012	10.98	0.000000	0.00	0.003081	0.26	0.000000	21.93	0.000000	0.00	0.254385	0.24	0.000008	2.12	0.174015	1.23	0.019478	10.98	0.000000	0.00	0.000420	24.90
07C1678	1.15 W	✓	0.000058	11.74	0.000000	0.00	0.000003	1.08	0.000000	104.70	0.012104	1.02	0.000011	11.74	0.000000	0.00	0.003127	0.35	0.000000	21.92	0.000027	104.84	0.258244	0.34	0.000009	2.09	0.176234	1.16	0.017163	11.74	0.000000	0.00	0.000426	24.90
07C1679	1.33 W	✓	0.000060	13.15	0.000000	0.00	0.000003	1.12	0.000000	95.13	0.011629	1.06	0.000011	13.15	0.000000	0.00	0.003018	0.36	0.000000	21.93	0.000023	95.29	0.249238	0.34	0.000008	2.11	0.168707	1.40	0.017839	13.15	0.000000	0.00	0.000411	24.90
07C1680	1.50 W	✓	0.000062	11.58	0.000000	0.00	0.000003	1.17	0.000000	0.00	0.011039	1.11	0.000012	11.58	0.000000	0.00	0.002838	0.22	0.000000	21.93	0.000000	0.00	0.234345	0.19	0.000008	2.14	0.156310	1.36	0.018254	11.58	0.000000	0.00	0.000387	24.90
07C1684	1.68 W	✓	0.000066	12.46	0.000000	0.00	0.000003	1.60	0.000000	0.00	0.009935	1.56	0.000012	12.46	0.000000	0.00	0.002516	0.23	0.000000	21.96	0.000000	0.00	0.207796	0.21	0.000007	2.40	0.138225	1.77	0.019604	12.46	0.000000	0.00	0.000343	24.90
07C1685	1.86 W	✓	0.000067	13.02	0.000000	0.00	0.000002	1.41	0.000000	0.00	0.008279	1.36	0.000012	13.02	0.000000	0.00	0.002148	0.24	0.000000	21.94	0.000000	0.00	0.177404	0.22	0.000006	2.28	0.120356	2.15	0.019712	13.02	0.000000	0.00	0.000293	24.90
07C1686	2.18 W	✓	0.000166	4.48	0.000000	0.00	0.000004	1.14	0.000000	0.00	0.014660	1.08	0.000031	4.48	0.000000	0.00	0.003578	0.29	0.000000	21.93	0.000000	0.00	0.295470	0.27	0.000010	2.12	0.194516	1.14	0.049021	4.48	0.000000	0.00	0.000488	24.90
07C1687	2.51 W	✓	0.000161	5.04	0.000000	0.00	0.000004	0.88	0.000000	0.00	0.014530	0.80	0.000030	5.04	0.000000	0.00	0.003552	0.19	0.000000	21.91	0.000000	0.00	0.293332	0.17	0.000010	2.00	0.201699	1.19	0.047519	5.04	0.000000	0.00	0.000484	24.90
07C1689	2.92 W	✓	0.000166	5.35	0.000000	0.00	0.000003	1.30	0.000000	164.11	0.011550	1.24	0.000031	5.35	0.000000	0.00	0.002840	0.23	0.000000	21.94	0.000012	164.20	0.234490	0.21	0.000008	2.21	0.157094	1.68	0.048975	5.35	0.000000	0.00	0.000387	24.90
07C1690	3.36 W	✓	0.000168	5.38	0.000000	0.00	0.000003	1.36	0.000000	0.00	0.010567	1.31	0.000031	5.38	0.000000	0.00	0.002567	0.24	0.000000	21.94	0.000000	0.00	0.212011	0.21	0.000007	2.25	0.144391	1.87	0.049781	5.38	0.000000	0.00	0.000350	24.90
07C1691	4.10 W		0.000102	6.68	0.000000	0.00	0.000002	1.37	0.000000	89.84	0.006425	1.32	0.000019	6.68	0.000000	0.00	0.001592	0.23	0.000000	21.94	0.000011	90.00	0.131464	0.21	0.000005	2.25	0.096861	2.11	0.030249	6.68	0.000000	0.00	0.000217	24.90
07C1692	4.78 W		0.000090	9.00	0.000000	0.00	0.000001	2.29	0.000000	217.72	0.004225	2.26	0.000017	9.00	0.000000	0.00	0.001102	0.22	0.000000	22.02	0.000005	217.79	0.091030	0.19	0.000003	2.91	0.068723	3.49	0.026589	9.00	0.000000	0.00	0.000150	24.90
		Σ	0.069756	0.34	0.000000	0.00	0.000050	0.32	0.000000	18.46	0.186566	0.30	0.013037	0.34	0.000000	0.00	0.046906	0.07	0.000006	5.18	0.000400	18.52	3.873317	0.06	0.000132	0.53	3.280433	2.16	20.613043	0.34	0.000000	0.00	0.006391	5.94
		Σ							0.069807	0.34	0.186566	0.30									0.060349	0.15			3.873449	0.06							23.899867	0.42

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)
07C1659	0.00 W		84.434706	57.82818	1.678621	0.00340	5889.060514	319.66678	1.161104	0.26779	19.643975	1.08249	119.056	10.52830173	1.00084130	1.699E-19
07C1660	0.01 W		93.170617	28.82724	2.883665	0.00333	3462.836833	68.29068	0.635976	0.08683	11.403595	0.24431	119.074	10.53205714	1.00084142	2.918E-19
07C1661	0.02 W		49.567596	13.83762	3.242582	0.00307	1817.774371	35.31830	0.310941	0.05531	5.983900	0.12503	119.093	10.53595841	1.00084156	3.281E-19
07C1662	0.03 W		28.258491	8.97815	3.804967	0.00887	810.593859	5.69049	0.150847	0.02037	2.647545	0.03448	119.110	10.53957199	1.00084168	3.851E-19
07C1664	0.09 W		13.234896	3.89837	2.789412	0.00397	418.453989	2.39926	0.098970	0.00816	1.371326	0.01510	119.149	10.54752622	1.00084195	2.823E-19
07C1665	0.18 W		3.853691	1.47552	2.237374	0.00385	148.746966	0.49983	0.064094	0.00418	0.490345	0.00512	119.167	10.55128849	1.00084208	2.264E-19
07C1666	0.21 W		4.148600	0.79124	1.638436	0.00306	72.115103	0.33036	0.054011	0.00393	0.230015	0.00281	119.185	10.55505210	1.00084220	1.658E-19
07C1667	0.27 W		1.264921	0.19449	1.152189	0.00309	23.260897	0.10502	0.047574	0.00124	0.074444	0.00068	119.203	10.55881705	1.00084233	1.166E-19
07C1668	0.35 W		0.892195	0.09746	0.757790	0.00131	8.826185	0.02679	0.048322	0.00102	0.026857	0.00033	119.221	10.56258335	1.00084246	7.670E-20
07C1670	0.44 W		0.850896	0.03018	0.710444	0.00108	2.887315	0.00888	0.046517	0.00051	0.006898	0.00010	119.601	10.64213265	1.00084514	7.194E-20
07C1671	0.53 W		0.745014	0.02270	0.291850	0.00067	1.543193	0.00599	0.045936	0.00070	0.002708	0.00008	119.619	10.64607469	1.00084527	2.957E-20
07C1672	0.62 W	✓	0.711787	0.01339	0.195360	0.00031	1.039328	0.00317	0.045495	0.00061	0.001115	0.00004	119.638	10.64987211	1.00084540	1.980E-20
07C1674	0.71 W	✓	0.706688	0.01263	0.162782	0.00033	0.866733	0.00311	0.046186	0.00048	0.000549	0.00004	119.674	10.65747102	1.00084566	1.650E-20
07C1675	0.85 W	✓	0.696323	0.01112	0.186688	0.00051	0.796876	0.00314	0.046466	0.00062	0.000347	0.00004	119.692	10.66141875	1.00084579	1.893E-20
07C1676	1.03 W	✓	0.684061	0.00861	0.193493	0.00021	0.762255	0.00198	0.046488	0.00051	0.000272	0.00003	119.710	10.66522164	1.00084592	1.962E-20
07C1678	1.15 W	✓	0.682433	0.00827	0.193398	0.00038	0.750520	0.00291	0.046870	0.00050	0.000238	0.00003	119.747	10.67297790	1.00084618	1.961E-20
07C1679	1.33 W	✓	0.676891	0.00976	0.186545	0.00029	0.750088	0.00278	0.046658	0.00052	0.000255	0.00003	119.765	10.67678492	1.00084630	1.892E-20
07C1680	1.50 W	✓	0.667010	0.00916	0.174564	0.00022	0.746530	0.00166	0.047104	0.00053	0.000276	0.00003	119.783	10.68059330	1.00084643	1.771E-20
07C1684	1.68 W	✓	0.665194	0.01188	0.157829	0.00021	0.761162	0.00184	0.047812	0.00075	0.000332	0.00004	119.918	10.70905256	1.00084738	1.601E-20
07C1685	1.86 W	✓	0.678432	0.01463	0.140069	0.00028	0.791170	0.00229	0.046665	0.00064	0.000389	0.00005	119.937	10.71301939	1.00084752	1.420E-20
07C1686	2.18 W	✓	0.658326	0.00769	0.243537	0.00026	0.825857	0.00236	0.049616	0.00055	0.000575	0.00003	119.955	10.71684069	1.00084764	2.470E-20
07C1687	2.51 W	✓	0.687616	0.00826	0.249218	0.00016	0.851233	0.00147	0.049534	0.00041	0.000562	0.00003	119.973	10.72066336	1.00084777	2.527E-20
07C1689	2.92 W	✓	0.669938	0.01132	0.206069	0.00027	0.880414	0.00215	0.049254	0.00062	0.000720	0.00004	120.009	10.72831278	1.00084803	2.089E-20
07C1690	3.36 W	✓	0.681054	0.01284	0.194172	0.00038	0.917476	0.00264	0.049841	0.00066	0.000808	0.00004	120.028	10.73228674	1.00084816	1.969E-20
07C1691	4.10 W		0.736785	0.01562	0.127110	0.00031	0.968499	0.00309	0.048874	0.00065	0.000792	0.00005	120.046	10.73611492	1.00084828	1.289E-20
07C1692	4.78 W		0.754950	0.02639	0.095312	0.00014	1.048659	0.00253	0.046415	0.00105	0.001001	0.00009	120.064	10.73994446	1.00084841	9.661E-21

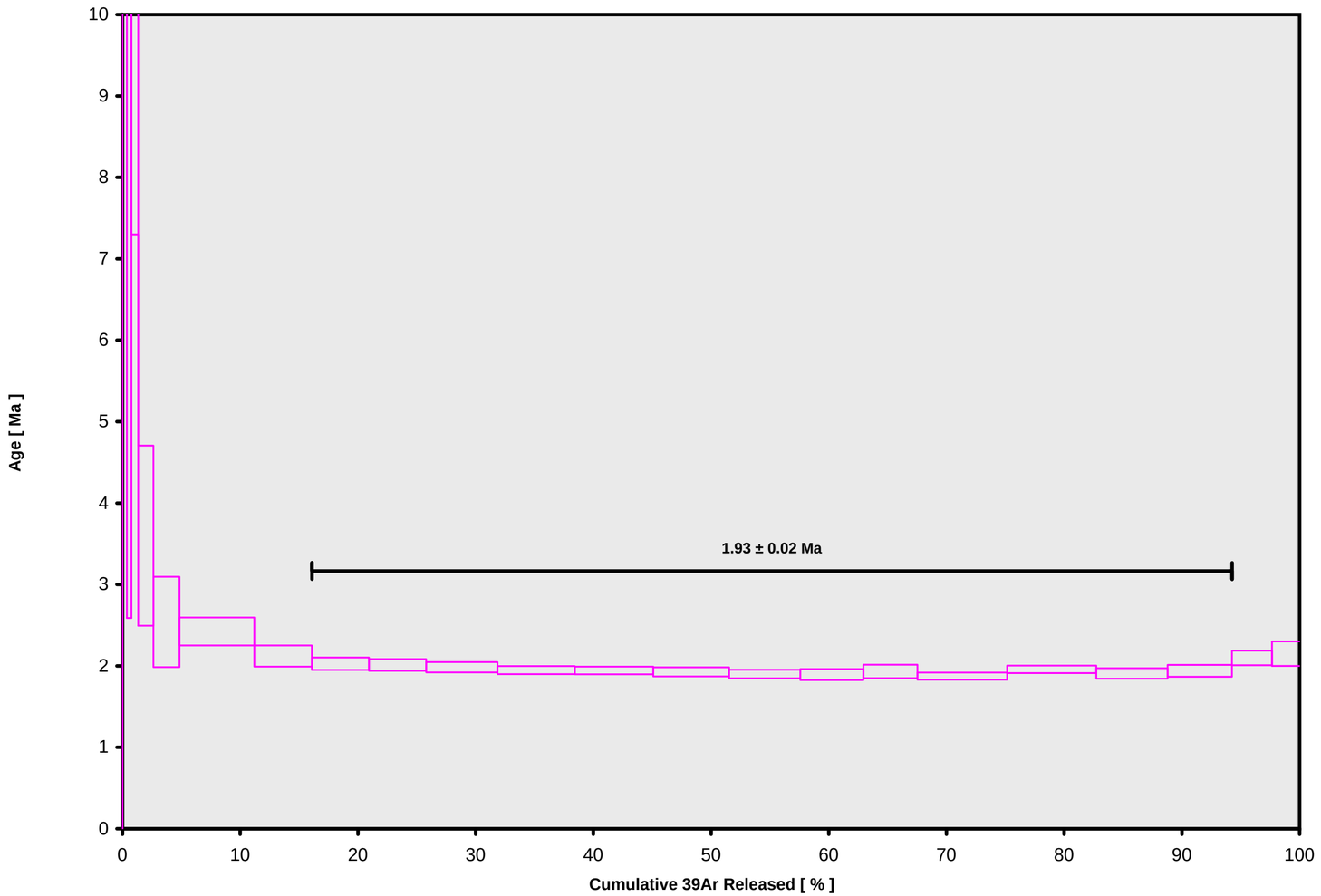
Procedure Blanks		36Ar	1σ	37Ar	1σ	38Ar	1σ	39Ar	1σ	40Ar	1σ
07C1659	0.00 W	0.000047	0.000006	0.000010	0.000006	0.000012	0.000005	0.000066	0.000013	0.012509	0.000465
07C1660	0.01 W	0.000042	0.000006	0.000009	0.000006	0.000012	0.000005	0.000074	0.000013	0.011230	0.000465
07C1661	0.02 W	0.000035	0.000006	0.000008	0.000006	0.000011	0.000005	0.000085	0.000013	0.009402	0.000465
07C1662	0.03 W	0.000026	0.000006	0.000009	0.000006	0.000011	0.000005	0.000097	0.000013	0.007183	0.000465
07C1664	0.09 W	0.000014	0.000006	0.000012	0.000004	0.000010	0.000007	0.000113	0.000005	0.004310	0.000055
07C1665	0.18 W	0.000014	0.000006	0.000012	0.000004	0.000010	0.000007	0.000113	0.000005	0.004310	0.000055
07C1666	0.21 W	0.000014	0.000006	0.000012	0.000004	0.000010	0.000007	0.000113	0.000005	0.004310	0.000055
07C1667	0.27 W	0.000014	0.000006	0.000012	0.000004	0.000010	0.000007	0.000113	0.000005	0.004310	0.000055
07C1668	0.35 W	0.000014	0.000006	0.000012	0.000004	0.000010	0.000007	0.000113	0.000005	0.004310	0.000055
07C1670	0.44 W	0.000004	0.000006	0.000011	0.000005	0.000009	0.000004	0.000051	0.000007	0.002948	0.000063
07C1671	0.53 W	0.000007	0.000006	0.000011	0.000005	0.000011	0.000004	0.000065	0.000007	0.003148	0.000063
07C1672	0.62 W	0.000010	0.000006	0.000011	0.000005	0.000012	0.000004	0.000076	0.000007	0.003281	0.000063
07C1674	0.71 W	0.000014	0.000006	0.000011	0.000005	0.000012	0.000004	0.000091	0.000007	0.003410	0.000063
07C1675	0.85 W	0.000015	0.000006	0.000011	0.000005	0.000011	0.000004	0.000095	0.000007	0.003423	0.000063
07C1676	1.03 W	0.000016	0.000006	0.000011	0.000005	0.000009	0.000004	0.000096	0.000007	0.003413	0.000063
07C1678	1.15 W	0.000017	0.000006	0.000011	0.000005	0.000006	0.000004	0.000093	0.000007	0.003349	0.000063
07C1679	1.33 W	0.000016	0.000006	0.000011	0.000005	0.000005	0.000004	0.000088	0.000007	0.003308	0.000063
07C1680	1.50 W	0.000015	0.000006	0.000011	0.000005	0.000004	0.000004	0.000082	0.000007	0.003267	0.000063
07C1684	1.68 W	0.000004	0.000006	0.000014	0.000005	0.000002	0.000004	0.000049	0.000007	0.003190	0.000063
07C1685	1.86 W	0.000003	0.000006	0.000014	0.000005	0.000002	0.000004	0.000054	0.000007	0.003215	0.000063
07C1686	2.18 W	0.000004	0.000006	0.000015	0.000005	0.000002	0.000004	0.000064	0.000007	0.003243	0.000063
07C1687	2.51 W	0.000006	0.000006	0.000016	0.000005	0.000001	0.000004	0.000080	0.000007	0.003268	0.000063
07C1689	2.92 W	0.000014	0.000006	0.000017	0.000005	0.000001	0.000004	0.000134	0.000007	0.003297	0.000063
07C1690	3.36 W	0.000022	0.000006	0.000018	0.000005	0.000001	0.000004	0.000175	0.000007	0.003286	0.000063
07C1691	4.10 W	0.000031	0.000006	0.000018	0.000005	0.000001	0.000004	0.000225	0.000007	0.003251	0.000063
07C1692	4.78 W	0.000044	0.000006	0.000018	0.000005	0.000001	0.000004	0.000287	0.000007	0.003183	0.000063

Intercept Values		36Ar	1σ	r2		37Ar	1σ	r2		38Ar	1σ	r2		39Ar	1σ	r2		40Ar	1σ	r2	
07C1659	0.00 W	0.005641	0.000041	0.8528	LIN # 1	0.000041	0.000004	0.9722	LIN #	0.001089	0.000010	0.0155	LIN #	0.000346	0.000008	0.9999	LIN #	1.664826	0.003315	0.9820	EXP # 3
07C1660	0.01 W	0.009531	0.000053	0.8745	LIN # 1	0.000059	0.000004	0.9905	LIN #	0.001846	0.000012	0.0455	LIN # 1	0.000895	0.000010	0.9999	LIN #	2.849869	0.003249	0.9906	LIN #
07C1661	0.02 W	0.010701	0.000047	0.9395	LIN # 1	0.000061	0.000007	0.9745	LIN #	0.002056	0.000008	0.6937	LIN #	0.001845	0.000032	0.9995	LIN #	3.201405	0.002989	0.9955	EXP #
07C1662	0.03 W	0.012447	0.000115	0.7159	LIN # 1	0.000076	0.000007	0.9821	LIN #	0.002418	0.000006	0.9492	LIN # 7	0.004731	0.000027	0.9997	EXP #	3.753601	0.008717	0.9601	EXP #
07C1664	0.09 W	0.009156	0.000065	0.8865	LIN # 1 2	0.000074	0.000004	0.9900	LIN #	0.001854	0.000016	0.0075	LIN # 1	0.006698	0.000035	0.9991	LIN #	2.752446	0.003911	0.9871	LIN #
07C1665	0.18 W	0.007392	0.000057	0.8697	LIN # 1	0.000103	0.000005	0.9825	LIN #	0.001552	0.000013	0.6094	LIN #	0.014977	0.000035	0.9983	EXP #	2.209015	0.003792	0.9838	LIN #
07C1666	0.21 W	0.005243	0.000050	0.6813	LIN # 1	0.000127	0.000008	0.9349	LIN #	0.001270	0.000019	0.2154	LIN #	0.022570	0.000087	0.9704	LIN #	1.619144	0.003014	0.9785	EXP #
07C1667	0.27 W	0.003704	0.000019	0.8839	LIN # 1	0.000234	0.000004	0.9620	LIN #	0.001279	0.000010	0.1100	LIN #	0.049078	0.000160	0.7040	LIN # 1	1.139937	0.003049	0.9250	LIN #
07C1668	0.35 W	0.002322	0.000023	0.7586	LIN # 1	0.000403	0.000007	0.7376	LIN #	0.001492	0.000009	0.6117	LIN #	0.085005	0.000163	0.9557	LIN # 9 10	0.751348	0.001289	0.9759	LIN #
07C1670	0.44 W	0.001704	0.000022	0.1058	LIN #	0.001084	0.000008	0.1890	LIN #	0.003244	0.000023	0.6757	LIN #	0.243487	0.000523	0.9874	LIN # 1	0.703735	0.001059	0.9811	EXP # 8
07C1671	0.53 W	0.000520	0.000013	0.0216	LIN #	0.000825	0.000010	0.0280	LIN #	0.002312	0.000011	0.3652	LIN # 2	0.187227	0.000506	0.9571	EXP #	0.291090	0.000655	0.9255	EXP #
07C1672	0.62 W	0.000220	0.000006	0.4767	LIN #	0.000813	0.000008	0.3942	LIN #	0.002260	0.000012	0.7499	LIN #	0.186175	0.000386	0.9864	LIN # 1	0.196088	0.000294	0.8930	LIN # 10
07C1674	0.71 W	0.000117	0.000005	0.6842	LIN #	0.000824	0.000004	0.6823	LIN #	0.002315	0.000013	0.9385	LIN # 1	0.186111	0.000476	0.9640	LIN #	0.164122	0.000305	0.2738	LIN # 8
07C1675	0.85 W	0.000097	0.000006	0.5403	LIN #	0.001031	0.000011	0.3765	LIN #	0.002843	0.000022	0.7776	LIN #	0.232175	0.000563	0.9761	EXP #	0.187776	0.000486	0.4195	LIN #
07C1676	1.03 W	0.000085	0.000004	0.6707	LIN #	0.001116	0.000008	0.7726	LIN #	0.003071	0.000012	0.9580	LIN # 1	0.251586	0.000456	0.9915	LIN # 1 7	0.194506	0.000173	0.9361	LIN # 9 10
07C1678	1.15 W	0.000078	0.000004	0.7648	LIN #	0.001141	0.000008	0.7888	LIN #	0.003149	0.000023	0.8975	LIN # 1 2	0.255347	0.000765	0.9751	EXP # 1	0.194317	0.000353	0.6156	LIN #
07C1679	1.33 W	0.000079	0.000006	0.4463	LIN #	0.001096	0.000008	0.4728	LIN #	0.003035	0.000015	0.9317	LIN # 1 7	0.246392	0.000746	0.9535	LIN #	0.187472	0.000255	0.1028	LIN # 7
07C1680	1.50 W	0.000080	0.000004	0.5438	LIN #	0.001040	0.000008	0.7094	LIN #	0.002799	0.000012	0.9168	LIN # 1 10	0.231645	0.000247	0.9957	EXP # 1	0.175584	0.000185	0.6619	LIN # 2 3 5 6
07C1684	1.68 W	0.000073	0.000006	0.5176	LIN #	0.000937	0.000012	0.2840	LIN #	0.002474	0.000013	0.8116	LIN #	0.205277	0.000280	0.9950	EXP # 1	0.158899	0.000174	0.8540	LIN #
07C1685	1.86 W	0.000072	0.000007	0.5908	LIN #	0.000784	0.000008	0.2831	LIN # 1	0.002122	0.000014	0.7263	LIN #	0.175248	0.000256	0.9933	LIN # 1	0.141371	0.000259	0.8109	LIN # 1 2 3
07C1686	2.18 W	0.000174	0.000005	0.1214	LIN #	0.001377	0.000011	0.7546	LIN #	0.003528	0.000020	0.7502	LIN #	0.291856	0.000635	0.9814	LIN #	0.243469	0.000213	0.9764	EXP # 4
07C1687	2.51 W	0.000171	0.000006	0.8622	LIN # 1	0.001365	0.000006	0.8902	LIN #	0.003520	0.000026	0.7631	LIN #	0.289731	0.000139	0.9993	LIN # 1	0.249060	0.000091	0.9950	EXP # 1
07C1689	2.92 W	0.000183	0.000007	0.1106	LIN # 1	0.001089	0.000011	0.4658	LIN #	0.002861	0.000016	0.9273	LIN # 1	0.231657	0.000317	0.9934	LIN # 8	0.206490	0.000244	0.9318	LIN #
07C1690	3.36 W	0.000193	0.000007	0.0949	LIN #	0.000998	0.000010	0.4717	LIN #	0.002569	0.000020	0.6656	LIN #	0.209524	0.000296	0.9900	LIN #	0.194751	0.000364	0.7941	LIN # 1 2
07C1691	4.10 W	0.000135	0.000004	0.8024	LIN #	0.000614	0.000005	0.4783	LIN #	0.001611	0.000006	0.8995	LIN # 1	0.130062	0.000180	0.9914	LIN # 1	0.128585	0.000293	0.6181	LIN #
07C1692	4.78 W	0.000134	0.000006	0.0992	LIN #	0.000410	0.000007	0.0433	LIN #	0.001117	0.000008	0.5991	LIN #	0.090197	0.000100	0.9928	EXP #	0.097149	0.000118	0.9720	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
07C1659	0.00 W	TAM-2 4D5-06	Groundmass 210-300µm	Tama'i, Samoa	Jamie Russell	0	28.03	0.01	0.0015754	0.23	1.00378	0.16	1.0158	1.012E-19	19	APR	2007	17	21	001	OSU4D06	Samoa	07C1659	01	FCT-3
07C1660	0.01 W	TAM-2 4D5-06	Groundmass 210-300µm	Tama'i, Samoa	Jamie Russell	0.01	28.03	0.01	0.0015754	0.23	1.00378	0.16	1.0158	1.012E-19	19	APR	2007	17	47	001	OSU4D06	Samoa	07C1659	01	FCT-3
07C1661	0.02 W	TAM-2 4D5-06	Groundmass 210-300µm	Tama'i, Samoa	Jamie Russell	0.02	28.03	0.01	0.0015754	0.23	1.00378	0.16	1.0158	1.012E-19	19	APR	2007	18	14	001	OSU4D06	Samoa	07C1659	01	FCT-3
07C1662	0.03 W	TAM-2 4D5-06	Groundmass 210-300µm	Tama'i, Samoa	Jamie Russell	0.03	28.03	0.01	0.0015754	0.23	1.00378	0.16	1.0156	1.012E-19	19	APR	2007	18	39	001	OSU4D06	Samoa	07C1659	01	FCT-3
07C1664	0.09 W	TAM-2 4D5-06	Groundmass 210-300µm	Tama'i, Samoa	Jamie Russell	0.09	28.03	0.01	0.0015754	0.23	1.00378	0.16	1.015	1.012E-19	19	APR	2007	19	34	001	OSU4D06	Samoa	07C1659	01	FCT-3
07C1665	0.18 W	TAM-2 4D5-06	Groundmass 210-300µm	Tama'i, Samoa	Jamie Russell	0.18	28.03	0.01	0.0015754	0.23	1.00378	0.16	1.0148	1.012E-19	19	APR	2007	20	00	001	OSU4D06	Samoa	07C1659	01	FCT-3
07C1666	0.21 W	TAM-2 4D5-06	Groundmass 210-300µm	Tama'i, Samoa	Jamie Russell	0.21	28.03	0.01	0.0015754	0.23	1.00378	0.16	1.0146	1.012E-19	19	APR	2007	20	26	001	OSU4D06	Samoa	07C1659	01	FCT-3
07C1667	0.27 W	TAM-2 4D5-06	Groundmass 210-300µm	Tama'i, Samoa	Jamie Russell	0.27	28.03	0.01	0.0015754	0.23	1.00378	0.16	1.0146	1.012E-19	19	APR	2007	20	52	001	OSU4D06	Samoa	07C1659	01	FCT-3
07C1668	0.35 W	TAM-2 4D5-06	Groundmass 210-300µm	Tama'i, Samoa	Jamie Russell	0.35	28.03	0.01	0.0015754	0.23	1.00378	0.16	1.0145	1.012E-19	19	APR	2007	21	18	001	OSU4D06	Samoa	07C1659	01	FCT-3
07C1670	0.44 W	TAM-2 4D5-06	Groundmass 210-300µm	Tama'i, Samoa	Jamie Russell	0.44	28.03	0.01	0.0015754	0.23	1.00378	0.16	1.0143	1.012E-19	20	APR	2007	06	25	001	OSU4D06	Samoa	07C1659	01	FCT-3
07C1671	0.53 W	TAM-2 4D5-06	Groundmass 210-300µm	Tama'i, Samoa	Jamie Russell	0.53	28.03	0.01	0.0015754	0.23	1.00378	0.16	1.0145	1.012E-19	20	APR	2007	06	52	001	OSU4D06	Samoa	07C1659	01	FCT-3
07C1672	0.62 W	TAM-2 4D5-06	Groundmass 210-300µm	Tama'i, Samoa	Jamie Russell	0.62	28.03	0.01	0.0015754	0.23	1.00378	0.16	1.0146	1.012E-19	20	APR	2007	07	18	001	OSU4D06	Samoa	07C1659	01	FCT-3
07C1674	0.71 W	TAM-2 4D5-06	Groundmass 210-300µm	Tama'i, Samoa	Jamie Russell	0.71	28.03	0.01	0.0015754	0.23	1.00378	0.16	1.0145	1.012E-19	20	APR	2007	08	10	001	OSU4D06	Samoa	07C1659	01	FCT-3
07C1675	0.85 W	TAM-2 4D5-06	Groundmass 210-300µm	Tama'i, Samoa	Jamie Russell	0.85	28.03	0.01	0.0015754	0.23	1.00378	0.16	1.0145	1.012E-19	20	APR	2007	08	37	001	OSU4D06	Samoa	07C1659	01	FCT-3
07C1676	1.03 W	TAM-2 4D5-06	Groundmass 210-300µm	Tama'i, Samoa	Jamie Russell	1.03	28.03	0.01	0.0015754	0.23	1.00378	0.16	1.0145	1.012E-19	20	APR	2007	09	03	001	OSU4D06	Samoa	07C1659	01	FCT-3
07C1678	1.15 W	TAM-2 4D5-06	Groundmass 210-300µm	Tama'i, Samoa	Jamie Russell	1.15	28.03	0.01	0.0015754	0.23	1.00378	0.16	1.0147	1.012E-19	20	APR	2007	09	56	001	OSU4D06	Samoa	07C1659	01	FCT-3
07C1679	1.33 W	TAM-2 4D5-06	Groundmass 210-300µm	Tama'i, Samoa	Jamie Russell	1.33	28.03	0.01	0.0015754	0.23	1.00378	0.16	1.0149	1.012E-19	20	APR	2007	10	22	001	OSU4D06	Samoa	07C1659	01	FCT-3
07C1680	1.50 W	TAM-2 4D5-06	Groundmass 210-300µm	Tama'i, Samoa	Jamie Russell	1.5	28.03	0.01	0.0015754	0.23	1.00378	0.16	1.015	1.012E-19	20	APR	2007	10	48	001	OSU4D06	Samoa	07C1659	01	FCT-3
07C1684	1.68 W	TAM-2 4D5-06	Groundmass 210-300µm	Tama'i, Samoa	Jamie Russell	1.68	28.03	0.01	0.0015754	0.23	1.00378	0.16	1.0155	1.012E-19	20	APR	2007	14	02	001	OSU4D06	Samoa	07C1659	01	FCT-3
07C1685	1.86 W	TAM-2 4D5-06	Groundmass 210-300µm	Tama'i, Samoa	Jamie Russell	1.86	28.03	0.01	0.0015754	0.23	1.00378	0.16	1.0156	1.012E-19	20	APR	2007	14	29	001	OSU4D06	Samoa	07C1659	01	FCT-3
07C1686	2.18 W	TAM-2 4D5-06	Groundmass 210-300µm	Tama'i, Samoa	Jamie Russell	2.18	28.03	0.01	0.0015754	0.23	1.00378	0.16	1.0156	1.012E-19	20	APR	2007	14	55	001	OSU4D06	Samoa	07C1659	01	FCT-3
07C1687	2.51 W	TAM-2 4D5-06	Groundmass 210-300µm	Tama'i, Samoa	Jamie Russell	2.51	28.03	0.01	0.0015754	0.23	1.00378	0.16	1.0157	1.012E-19	20	APR	2007	15	21	001	OSU4D06	Samoa	07C1659	01	FCT-3
07C1689	2.92 W	TAM-2 4D5-06	Groundmass 210-300µm	Tama'i, Samoa	Jamie Russell	2.92	28.03	0.01	0.0015754	0.23	1.00378	0.16	1.0158	1.012E-19	20	APR	2007	16	13	001	OSU4D06	Samoa	07C1659	01	FCT-3
07C1690	3.36 W	TAM-2 4D5-06	Groundmass 210-300µm	Tama'i, Samoa	Jamie Russell	3.36	28.03	0.01	0.0015754	0.23	1.00378	0.16	1.0157	1.012E-19	20	APR	2007	16	40	001	OSU4D06	Samoa	07C1659	01	FCT-3
07C1691	4.10 W	TAM-2 4D5-06	Groundmass 210-300µm	Tama'i, Samoa	Jamie Russell	4.1	28.03	0.01	0.0015754	0.23	1.00378	0.16	1.0155	1.012E-19	20	APR	2007	17	06	001	OSU4D06	Samoa	07C1659	01	FCT-3
07C1692	4.78 W	TAM-2 4D5-06	Groundmass 210-300µm	Tama'i, Samoa	Jamie Russell	4.78	28.03	0.01	0.0015754	0.23	1.00378	0.16	1.0154	1.012E-19	20	APR	2007	17	32	001	OSU4D06	Samoa	07C1659	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
07C1659	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
07C1660	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
07C1661	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
07C1662	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
07C1664	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
07C1665	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
07C1666	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
07C1667	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
07C1668	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
07C1670	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
07C1671	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
07C1672	0.62 W	295.5	0	0.018	35	0.1869	0	1.493	3	0.000709	1.83	0.000032	21.9	0.000269	0.37	0.00165	24.9	0.01211	0.1	0	0	0.43	2	0	0	0	0
07C1674	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
07C1675	0.85 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
07C1676	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
07C1678	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
07C1679	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
07C1680	1.50 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
07C1684	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
07C1685	1.86 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
07C1686	2.18 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
07C1687	2.51 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
07C1689	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
07C1690	3.36 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
07C1691	4.10 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
07C1692	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

07C1659.AGE >>> TAM-2 4D5-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
1.93 ± 0.02
TOTAL FUSION
2.41 ± 0.10
NORMAL ISOCHRON
1.90 ± 0.06
INVERSE ISOCHRON
1.90 ± 0.05

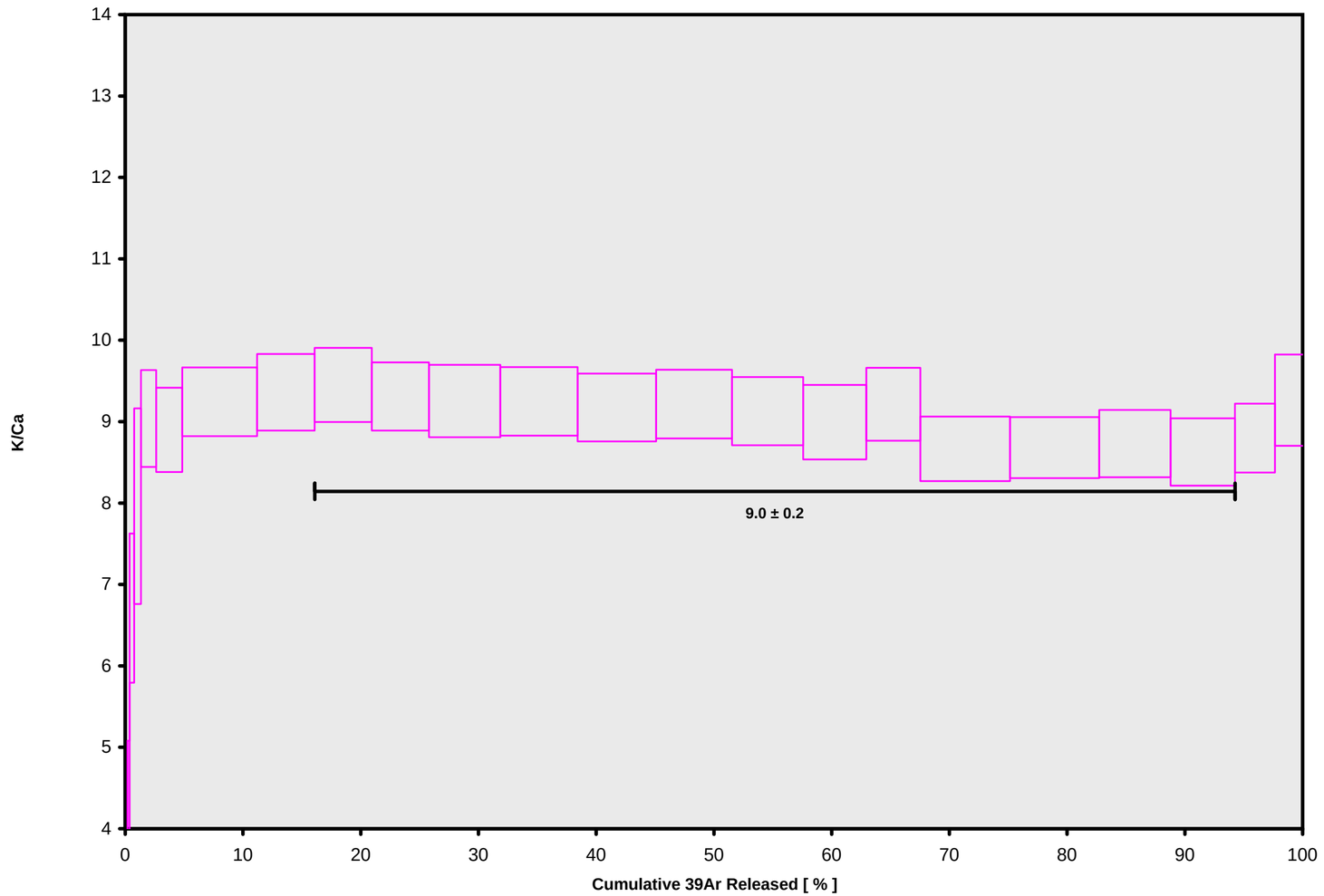
MSWD (PROBABILITY)
2.15 (1%)

Sample Info

Groundmass 210-300µm
Tama'i, Samoa
Jamie Russell

IRR = OSU4D06
J = 0.00157540 ± 0.00000362

07C1659.AGE >>> TAM-2 4D5-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
1.93 ± 0.02
TOTAL FUSION
2.41 ± 0.10
NORMAL ISOCHRON
1.90 ± 0.06
INVERSE ISOCHRON
1.90 ± 0.05

Sample Info

Groundmass 210-300µm
Tama'i, Samoa
Jamie Russell

IRR = OSU4D06
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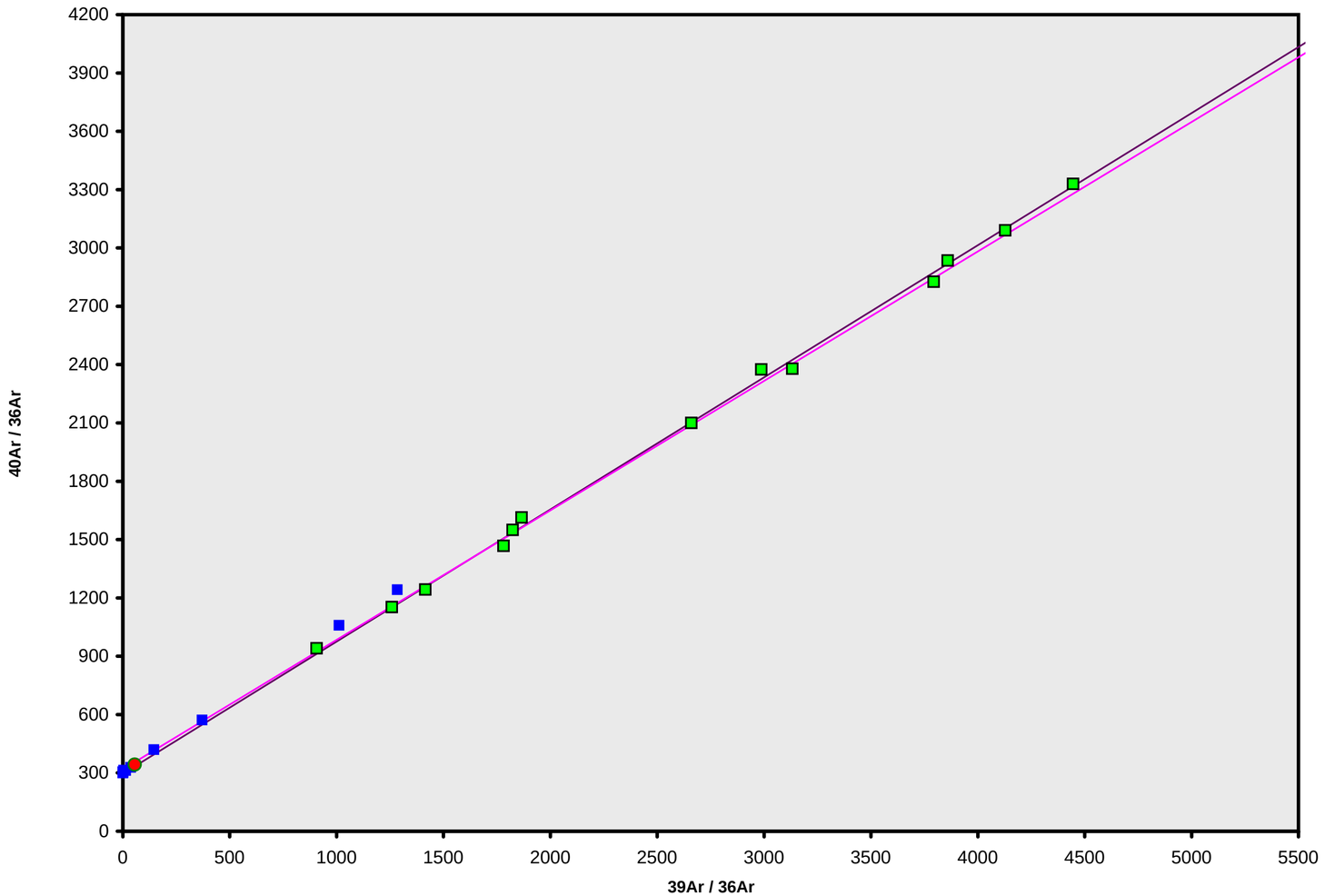
40Ar/39Ar Geochronology Laboratory
COAS, Oregon State University, Corvallis, USA

07C1659.AGE >>> TAM-2 4D5-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
1.93 ± 0.02
TOTAL FUSION
2.41 ± 0.10
NORMAL ISOCHRON
1.90 ± 0.06
INVERSE ISOCHRON
1.90 ± 0.05

MSWD (PROBABILITY)
1.92 (3%)

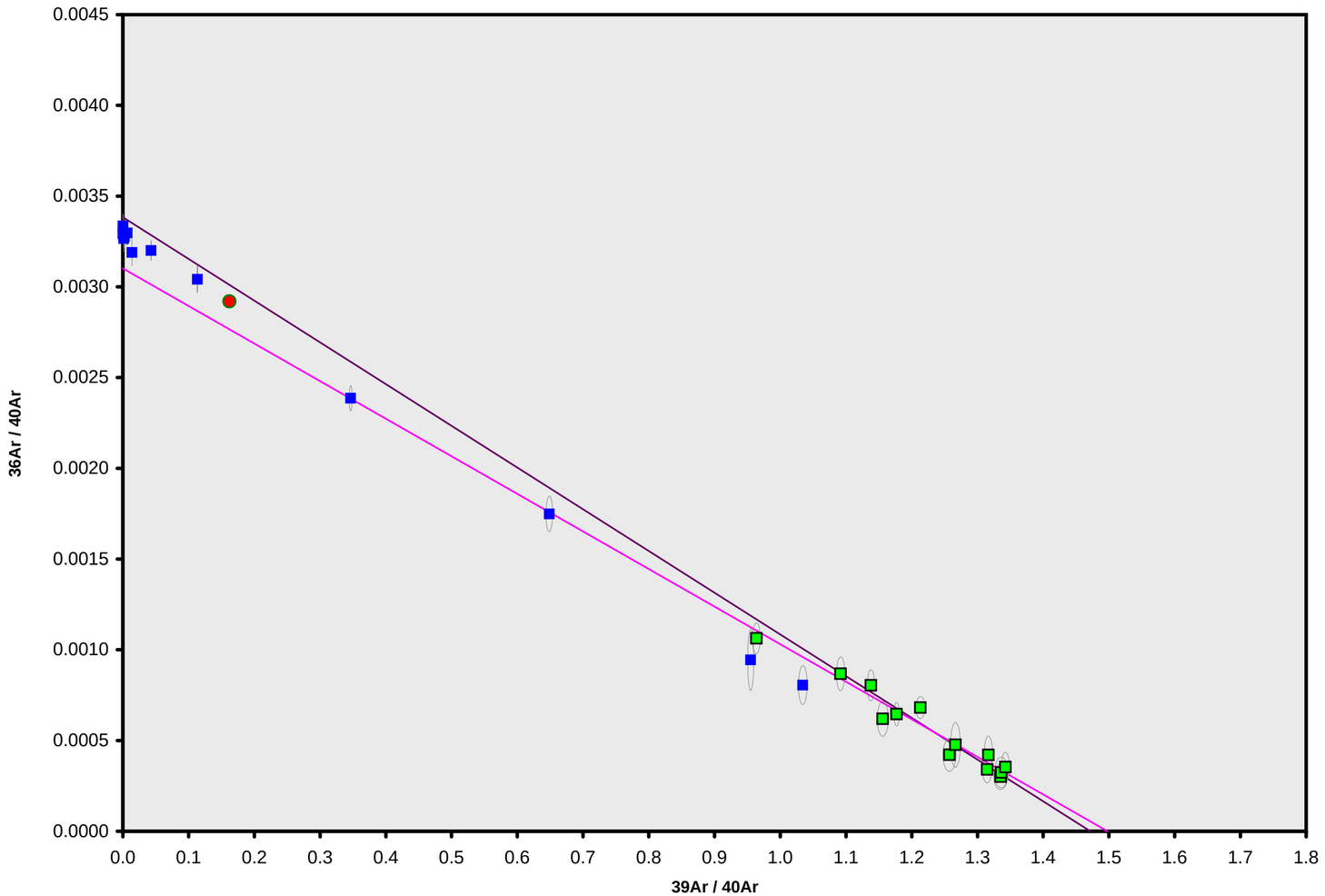
40AR/36AR INTERCEPT
318.5 ± 38.7

Sample Info

Groundmass 210-300µm
Tama'i, Samoa
Jamie Russell

IRR = OSU4D06
J = 0.00157540 ± 0.00000362

07C1659.AGE >>> TAM-2 4D5-06 >>> SAMOA PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
1.93 ± 0.02
TOTAL FUSION
2.41 ± 0.10
NORMAL ISOCHRON
1.90 ± 0.06
INVERSE ISOCHRON
1.90 ± 0.05

MSWD (PROBABILITY)
1.94 (3%)

SPREADING FACTOR
25.3%

40AR/36AR INTERCEPT
322.5 ± 38.6

Sample Info

Groundmass 210-300µm
Tama'i, Samoa
Jamie Russell

IRR = OSU4D06
J = 0.00157540 ± 0.00000362