

Incremental Heating		36Ar(a) [V]	37Ar(ca) [V]	38Ar(cl) [V]	39Ar(k) [V]	40Ar(r) [V]	Age ± 2σ (Ma)	40Ar(r) (%)	39Ar(k) (%)	K/Ca ± 2σ
11C2498	2.0 %	0.0025414	0.0005770	0.0000351	0.0004254	0.0226360	249.02 ± 58.73	2.93	0.21	0.3170 ± 0.0648
11C2499	2.4 %	0.0020077	0.0023925	0.0000357	0.0007008	0.0326505	219.84 ± 43.24	5.22	0.34	0.1259 ± 0.0083
11C2500	2.8 %	0.0007515	0.0041226	0.0000223	0.0010539	0.0248218	114.47 ± 24.08	10.05	0.51	0.1099 ± 0.0049
11C2502	3.2 %	0.0003691	0.0059468	0.0000000	0.0015498	0.0313955	98.89 ± 17.63	22.35	0.75	0.1121 ± 0.0044
11C2503	3.6 % ✓	0.0001481	0.0114741	0.0000000	0.0031008	0.0478753	75.85 ± 7.69	52.24	1.50	0.1162 ± 0.0036
11C2504	3.9 % ✓	0.0000728	0.0129297	0.0000000	0.0035238	0.0541237	75.47 ± 6.90	71.55	1.71	0.1172 ± 0.0035
11C2506	4.3 % ✓	0.0000512	0.0260442	0.0000000	0.0069521	0.1044717	73.87 ± 4.61	87.36	3.37	0.1148 ± 0.0033
11C2507	4.7 % ✓	0.0000290	0.0329415	0.0000000	0.0081892	0.1232875	74.00 ± 3.89	93.49	3.97	0.1069 ± 0.0030
11C2508	5.1 % ✓	0.0000202	0.0422520	0.0000000	0.0100593	0.1499770	73.30 ± 2.29	96.17	4.88	0.1024 ± 0.0030
11C2510	5.6 % ✓	0.0000168	0.0615431	0.0000000	0.0135117	0.2012979	73.25 ± 2.73	97.58	6.55	0.0944 ± 0.0028
11C2511	6.1 % ✓	0.0000128	0.0713052	0.0000049	0.0146861	0.2138768	71.63 ± 1.71	98.26	7.12	0.0886 ± 0.0026
11C2512	6.6 % ✓	0.0000122	0.0756647	0.0000000	0.0149831	0.2189126	71.86 ± 1.57	98.38	7.26	0.0851 ± 0.0024
11C2514	7.3 % ✓	0.0000079	0.0956731	0.0000000	0.0181335	0.2626412	71.25 ± 1.26	99.11	8.79	0.0815 ± 0.0023
11C2515	8.0 % ✓	0.0000275	0.0973666	0.0000087	0.0176589	0.2491774	69.45 ± 2.11	96.83	8.56	0.0780 ± 0.0023
11C2516	8.7 % ✓	0.0000266	0.1049837	0.0000000	0.0174412	0.2464897	69.55 ± 1.44	96.91	8.45	0.0714 ± 0.0020
11C2519	9.3 % ✓	0.0000080	0.0782794	0.0000020	0.0124321	0.1770922	70.10 ± 2.06	98.68	6.03	0.0683 ± 0.0020
11C2520	10.3 % ✓	0.0000134	0.0808984	0.0000002	0.0123494	0.1749236	69.71 ± 2.17	97.77	5.99	0.0656 ± 0.0019
11C2522	11.3 %	0.0000310	0.0831299	0.0000059	0.0107418	0.1457842	66.84 ± 2.40	94.09	5.21	0.0556 ± 0.0017
11C2523	12.6 %	0.0000499	0.1178682	0.0000000	0.0103215	0.1343089	64.14 ± 2.93	90.10	5.00	0.0377 ± 0.0011
11C2524	14.2 %	0.0000473	0.1435795	0.0000000	0.0085873	0.1135134	65.14 ± 2.90	89.04	4.16	0.0257 ± 0.0008
11C2526	16.6 %	0.0000693	0.1818742	0.0000000	0.0072304	0.0881331	60.15 ± 3.43	81.14	3.50	0.0171 ± 0.0005
11C2527	19.2 %	0.0000716	0.1615554	0.0000020	0.0046654	0.0596682	63.06 ± 6.40	73.82	2.26	0.0124 ± 0.0004
11C2528	22.7 %	0.0001422	0.1899171	0.0000000	0.0039547	0.0424777	53.11 ± 7.19	50.28	1.92	0.0090 ± 0.0003
11C2530	26.7 %	0.0001327	0.0931160	0.0000017	0.0017749	0.0179911	50.16 ± 14.13	31.45	0.86	0.0082 ± 0.0003
11C2531	32.7 %	0.0002274	0.1363577	0.0000021	0.0016534	0.0214841	64.05 ± 19.24	24.23	0.80	0.0052 ± 0.0002
11C2532	35.0 %	0.0003340	0.0360586	0.0000191	0.0006133	0.0067308	54.24 ± 51.31	6.38	0.30	0.0073 ± 0.0006
Σ		0.0072215	1.9478512	0.0001398	0.2062937	2.9657420				

Information on Analysis	Results	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (%),n	K/Ca ± 2σ
Sample = 330-U1374A-63R-3 99-106 C	Age Plateau	14.46164 ± 0.16906	71.14 ± 0.88	2.00	74.18	0.0846 ± 0.0096
Material = Groundmass 213-300μm	Error Mean	± 1.17%	± 1.23%	2%	13	
Location = Rigil Guyot, Site U1374		Minimal External Error ± 1.43		1.82	2σ Confidence Limit	
Analyst = Anthony Koppers		Analytical Error ± 0.82		1.4133	Error Magnification	
Project = LOUISVILLE						
Mass Discrimination Law = LIN	Total Fusion Age	14.37631 ± 0.14376	70.73 ± 0.76		26	0.0455 ± 0.0003
Irradiation = OSU3A11		± 1.00%	± 1.08%			
J = 0.00278130 ± 0.00000640		Minimal External Error ± 1.36				
FCT-3 = 28.030 ± 0.003 Ma		Analytical Error ± 0.69				

Normal Isochron		39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
11C2498	2.0 %	0.17 ± 0.01	304.41 ± 2.21	0.0945
11C2499	2.4 %	0.35 ± 0.02	311.76 ± 3.45	0.1845
11C2500	2.8 %	1.40 ± 0.05	328.53 ± 7.89	0.6397
11C2502	3.2 %	4.20 ± 0.24	380.55 ± 19.90	0.9273
11C2503	3.6 % ✓	20.94 ± 2.35	618.73 ± 69.50	0.9960
11C2504	3.9 % ✓	48.39 ± 11.28	1038.81 ± 242.17	0.9992
11C2506	4.3 % ✓	135.91 ± 59.44	2337.87 ± 1022.47	0.9999
11C2507	4.7 % ✓	282.35 ± 216.98	4546.23 ± 3493.75	1.0000
11C2508	5.1 % ✓	498.43 ± 394.90	7726.72 ± 6121.84	1.0000
11C2510	5.6 % ✓	802.44 ± 1218.84	12250.29 ± 18607.12	1.0000
11C2511	6.1 % ✓	1151.60 ± 1544.93	17066.51 ± 22895.55	1.0000
11C2512	6.6 % ✓	1232.59 ± 1650.00	18304.50 ± 24503.20	1.0000
11C2514	7.3 % ✓	2292.51 ± 4533.67	33499.59 ± 66248.85	1.0000
11C2515	8.0 % ✓	641.61 ± 598.90	9349.00 ± 8726.62	1.0000
11C2516	8.7 % ✓	656.43 ± 429.60	9572.63 ± 6264.74	1.0000
11C2519	9.3 % ✓	1556.78 ± 3260.90	22471.34 ± 47069.68	1.0000
11C2520	10.3 % ✓	918.44 ± 1217.85	13304.74 ± 17642.34	1.0000
11C2522	11.3 %	347.05 ± 189.29	5005.53 ± 2730.29	0.9997
11C2523	12.6 %	206.86 ± 84.10	2987.25 ± 1214.59	0.9996
11C2524	14.2 %	181.73 ± 63.56	2697.78 ± 943.83	0.9993
11C2526	16.6 %	104.31 ± 24.70	1566.96 ± 371.43	0.9978
11C2527	19.2 %	65.15 ± 18.34	1128.74 ± 318.09	0.9972
11C2528	22.7 %	27.82 ± 3.74	594.32 ± 80.29	0.9872
11C2530	26.7 %	13.38 ± 1.71	431.08 ± 55.05	0.9586
11C2531	32.7 %	7.27 ± 0.72	389.98 ± 37.56	0.9438
11C2532	35.0 %	1.84 ± 0.19	315.65 ± 20.52	0.5995

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron No Convergence	290.36 ± 58.39 ± 20.11%	14.37884 ± 0.17055 ± 1.19%	70.74 ± 0.88 ± 1.25%	3.12 0%
			Minimal External Error ± 1.43 Analytical Error ± 0.82	
Statistics	2σ Confidence Limit Error Magnification Number of Data Points	1.85 1.7670 13	Convergence Number of Iterations Calculated Line	0.000063326819 500 Weighted York-2

Inverse Isochron		39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
11C2498	2.0 %	0.0005498 ± 0.0000412	0.00328508 ± 0.00002386	0.0020
11C2499	2.4 %	0.0011195 ± 0.0000537	0.00320757 ± 0.00003553	0.0432
11C2500	2.8 %	0.0042689 ± 0.0001223	0.00304386 ± 0.00007315	0.0066
11C2502	3.2 %	0.0110323 ± 0.0002317	0.00262778 ± 0.00013744	0.0135
11C2503	3.6 % ✓	0.0338353 ± 0.0003416	0.00161620 ± 0.00018154	0.0327
11C2504	3.9 % ✓	0.0465859 ± 0.0004248	0.00096264 ± 0.00022441	0.0213
11C2506	4.3 % ✓	0.0581340 ± 0.0004188	0.00042774 ± 0.00018707	0.0068
11C2507	4.7 % ✓	0.0621064 ± 0.0003305	0.00021996 ± 0.00016904	0.0041
11C2508	5.1 % ✓	0.0645073 ± 0.0003181	0.00012942 ± 0.00010254	0.0028
11C2510	5.6 % ✓	0.0655037 ± 0.0004002	0.00008163 ± 0.00012399	0.0009
11C2511	6.1 % ✓	0.0674772 ± 0.0003980	0.00005859 ± 0.00007861	0.0013
11C2512	6.6 % ✓	0.0673382 ± 0.0002722	0.00005463 ± 0.00007313	0.0008
11C2514	7.3 % ✓	0.0684338 ± 0.0002818	0.00002985 ± 0.00005903	0.0005
11C2515	8.0 % ✓	0.0686288 ± 0.0003523	0.00010696 ± 0.00009984	0.0012
11C2516	8.7 % ✓	0.0685739 ± 0.0002074	0.00010446 ± 0.00006837	0.0022
11C2519	9.3 % ✓	0.0692784 ± 0.0007586	0.00004450 ± 0.00009321	0.0030
11C2520	10.3 % ✓	0.0690309 ± 0.0006883	0.00007516 ± 0.00009967	0.0053
11C2522	11.3 %	0.0693332 ± 0.0008648	0.00019978 ± 0.00010897	0.0140
11C2523	12.6 %	0.0692471 ± 0.0008269	0.00033476 ± 0.00013611	0.0192
11C2524	14.2 %	0.0673638 ± 0.0008864	0.00037068 ± 0.00012968	0.0280
11C2526	16.6 %	0.0665686 ± 0.0010421	0.00063818 ± 0.00015128	0.0504
11C2527	19.2 %	0.0577190 ± 0.0012106	0.00088595 ± 0.00024967	0.0545
11C2528	22.7 %	0.0468104 ± 0.0010113	0.00168259 ± 0.00022730	0.1021
11C2530	26.7 %	0.0310293 ± 0.0011421	0.00231973 ± 0.00029623	0.1351
11C2531	32.7 %	0.0186447 ± 0.0006123	0.00256425 ± 0.00024698	0.0865
11C2532	35.0 %	0.0058178 ± 0.0004795	0.00316803 ± 0.00020598	0.0405

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	338.65 ± 42.88 ± 12.66%	14.39358 ± 0.17774 ± 1.23%	70.81 ± 0.92 ± 1.29%	1.47 13%
		Minimal External Error ± 1.45 Analytical Error ± 0.86		
Statistics	2σ Confidence Limit Error Magnification Number of Data Points Spreading Factor	1.85 1.2135 13 51.0%	Convergence Number of Iterations Calculated Line	0.0000000089 4 Weighted York-2

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Relative Abundances		36Ar [V]	%1σ	37Ar [V]	%1σ	38Ar [V]	%1σ	39Ar [V]	%1σ	40Ar [V]	%1σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	40Ar(r) (%)	39Ar(k) (%)	K/Ca ± 2σ
11C2498	2.0 %	0.0025416	0.359	0.0005770	9.506	0.0005150	2.230	0.0004257	3.743	0.7736259	0.052	53.21644 ± 13.43633	249.02 ± 58.73	2.93	0.21	0.3170 ± 0.0648
11C2499	2.4 %	0.0020084	0.499	0.0023925	2.287	0.0004193	2.408	0.0007024	2.382	0.6259367	0.240	46.59354 ± 9.73372	219.84 ± 43.24	5.22	0.34	0.1259 ± 0.0083
11C2500	2.8 %	0.0007526	1.195	0.0041226	1.724	0.0001753	2.760	0.0010567	1.425	0.2468856	0.106	23.55193 ± 5.11259	114.47 ± 24.08	10.05	0.51	0.1099 ± 0.0049
11C2502	3.2 %	0.0003707	2.597	0.0059468	1.694	0.0000875	14.655	0.0015538	1.030	0.1404792	0.192	20.25781 ± 3.71161	98.89 ± 17.63	22.35	0.75	0.1121 ± 0.0044
11C2503	3.6 %	✓ 0.0001511	5.495	0.0114741	1.502	0.0000543	21.746	0.0031085	0.402	0.0916460	0.304	15.43982 ± 1.59816	75.85 ± 7.69	52.24	1.50	0.1162 ± 0.0036
11C2504	3.9 %	✓ 0.0000762	11.129	0.0129297	1.459	0.0000410	21.098	0.0035325	0.307	0.0756438	0.336	15.35959 ± 1.43331	75.47 ± 6.90	71.55	1.71	0.1172 ± 0.0035
11C2506	4.3 %	✓ 0.0000580	19.275	0.0260442	1.417	0.0000882	11.084	0.0069696	0.275	0.1195942	0.232	15.02741 ± 0.95778	73.87 ± 4.61	87.36	3.37	0.1148 ± 0.0033
11C2507	4.7 %	✓ 0.0000377	29.559	0.0329415	1.415	0.0000936	13.091	0.0082114	0.168	0.1318664	0.206	15.05481 ± 0.80860	74.00 ± 3.89	93.49	3.97	0.1069 ± 0.0030
11C2508	5.1 %	✓ 0.0000313	25.508	0.0422520	1.451	0.0001239	10.165	0.0100877	0.181	0.1559510	0.166	14.90927 ± 0.47565	73.30 ± 2.29	96.17	4.88	0.1024 ± 0.0030
11C2510	5.6 %	✓ 0.0000331	38.644	0.0615431	1.447	0.0001451	10.529	0.0135531	0.269	0.2062872	0.143	14.89807 ± 0.56678	73.25 ± 2.73	97.58	6.55	0.0944 ± 0.0028
11C2511	6.1 %	✓ 0.0000316	27.075	0.0713052	1.472	0.0001843	5.070	0.0147341	0.249	0.2176601	0.157	14.56321 ± 0.35490	71.63 ± 1.71	98.26	7.12	0.0886 ± 0.0026
11C2512	6.6 %	✓ 0.0000321	25.306	0.0756647	1.423	0.0001792	5.525	0.0150340	0.173	0.2225197	0.103	14.61068 ± 0.32636	71.86 ± 1.57	98.38	7.26	0.0851 ± 0.0024
11C2514	7.3 %	✓ 0.0000332	23.557	0.0956731	1.406	0.0002046	5.453	0.0181979	0.180	0.2649969	0.099	14.48376 ± 0.26182	71.25 ± 1.26	99.11	8.79	0.0815 ± 0.0023
11C2515	8.0 %	✓ 0.0000532	24.122	0.0973666	1.472	0.0002284	3.899	0.0177244	0.226	0.2573282	0.119	14.11059 ± 0.43604	69.45 ± 2.11	96.83	8.56	0.0780 ± 0.0023
11C2516	8.7 %	✓ 0.0000543	15.999	0.1049837	1.416	0.0002090	4.124	0.0175118	0.108	0.2543587	0.105	14.13265 ± 0.29779	69.55 ± 1.44	96.91	8.45	0.0714 ± 0.0020
11C2519	9.3 %	✓ 0.0000287	29.172	0.0782794	1.434	0.0001558	9.851	0.0124848	0.355	0.1794646	0.415	14.24470 ± 0.42753	70.10 ± 2.06	98.68	6.03	0.0683 ± 0.0020
11C2520	10.3 %	✓ 0.0000348	25.600	0.0808984	1.422	0.0001545	9.853	0.0124039	0.270	0.1789094	0.418	14.16453 ± 0.45012	69.71 ± 2.17	97.77	5.99	0.0656 ± 0.0019
11C2522	11.3 %	0.0000529	15.944	0.0831299	1.446	0.0001455	13.938	0.0107978	0.386	0.1549413	0.488	13.57164 ± 0.49654	66.84 ± 2.40	94.09	5.21	0.0556 ± 0.0017
11C2523	12.6 %	0.0000810	12.505	0.1178682	1.452	0.0001386	11.267	0.0104008	0.348	0.1490638	0.483	13.01253 ± 0.60413	64.14 ± 2.93	90.10	5.00	0.0377 ± 0.0011
11C2524	14.2 %	0.0000852	9.680	0.1435795	1.445	0.0001122	14.144	0.0086839	0.329	0.1274851	0.567	13.21875 ± 0.59950	65.14 ± 2.90	89.04	4.16	0.0257 ± 0.0008
11C2526	16.6 %	0.0001173	6.966	0.1818742	1.423	0.0001111	13.855	0.0073528	0.374	0.1086234	0.684	12.18921 ± 0.70728	60.15 ± 3.43	81.14	3.50	0.0171 ± 0.0005
11C2527	19.2 %	0.0001143	8.797	0.1615554	1.427	0.0000909	18.515	0.0047741	0.529	0.0808337	0.897	12.78959 ± 1.32026	63.06 ± 6.40	73.82	2.26	0.0124 ± 0.0004
11C2528	22.7 %	0.0001923	4.938	0.1899171	1.431	0.0000826	18.333	0.0040825	0.628	0.0844872	0.863	10.74109 ± 1.47673	53.11 ± 7.19	50.28	1.92	0.0090 ± 0.0003
11C2530	26.7 %	0.0001573	5.276	0.0931160	1.422	0.0000596	24.194	0.0018376	1.295	0.0572039	1.260	10.13619 ± 2.89519	50.16 ± 14.13	31.45	0.86	0.0082 ± 0.0003
11C2531	32.7 %	0.0002634	4.091	0.1363577	1.441	0.0000824	19.770	0.0017452	1.342	0.0886821	0.827	12.99372 ± 3.97402	64.05 ± 19.24	24.23	0.80	0.0052 ± 0.0002
11C2532	35.0 %	0.0003435	3.078	0.0360586	1.431	0.0000935	15.642	0.0006376	3.900	0.1054209	0.736	10.97445 ± 10.53769	54.24 ± 51.31	6.38	0.30	0.0073 ± 0.0006
Σ		0.0077357	0.628	1.9478512	0.350	0.0039754	1.696	0.2076046	0.067	5.0998951	0.060					

Information on Analysis and Constants Used in Calculations

Sample = 330-U1374A-63R-3 99-106 CM
Material = Groundmass 213-300µm
Location = Rigil Guyot, Site U1374
Analyst = Anthony Koppers
Project = LOUISVILLE
Mass Discrimination Law = LIN
Irradiation = OSU3A11
J = 0.00278130 ± 0.00000640
FCT-3 = 28.030 ± 0.003 Ma
IGSN = KOP000023
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 = Basaltic Lava
Lat-Lon = 29°35.7'S - 173°22.8'W
Feature = Seamount

Age Equations = Conventional
Negative Intensities = Allowed
Decay Constant 40K = 5.543 ± 0.044 E-10 1/a
Decay Constant 39Ar = 2.940 ± 0.029 E-07 1/h
Decay Constant 37Ar = 8.230 ± 0.082 E-04 1/h
Decay Constant 36Cl = 2.236 ± 0.045 E-06 1/a
Atmospheric Ratio 40/36(a) = 295.50
Atmospheric Ratio 38/36(a) = 0.1869
Production Ratio 39/37(ca) = 0.000673
Production Ratio 38/37(ca) = 0.000139
Production Ratio 36/37(ca) = 0.000264
Production Ratio 40/39(k) = 0.001010
Production Ratio 38/39(k) = 0.011380
Production Ratio 36/38(cl) = 316.00 ± 15.80
Scaling Ratio K/Ca = 0.430

Results

	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (%),n	K/Ca ± 2σ
Age Plateau Error Mean		14.46164 ± 0.16906 ± 1.17%	71.14 ± 0.88 ± 1.23%	2.00	74.18 13	0.0846 ± 0.0096
			Minimal External Error ± 1.43 Analytical Error ± 0.82	1.82	2σ Confidence Limit Error Magnification	
Total Fusion Age		14.37631 ± 0.14376 ± 1.00%	70.73 ± 0.76 ± 1.08%		26	0.0455 ± 0.0003
			Minimal External Error ± 1.36 Analytical Error ± 0.69			
Normal Isochron No Convergence	290.36 ± 58.39 ± 20.11%	14.37884 ± 0.17055 ± 1.19%	70.74 ± 0.88 ± 1.25%	3.12	74.18 13	
			Minimal External Error ± 1.43 Analytical Error ± 0.82	1.85	2σ Confidence Limit Error Magnification	
				500	Number of Iterations Convergence	
				0.0000633268		
Inverse Isochron	338.65 ± 42.88 ± 12.66%	14.39358 ± 0.17774 ± 1.23%	70.81 ± 0.92 ± 1.29%	1.47	74.18 13	
			Minimal External Error ± 1.45	1.85	2σ Confidence Limit	

OSU Argon Geochronology Laboratory
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Degassing Patterns		36Ar(a) [V]	%1σ	36Ar(c) [V]	%1σ	36Ar(ca) [V]	%1σ	36Ar(cl) [V]	%1σ	37Ar(ca) [V]	%1σ	38Ar(a) [V]	%1σ	38Ar(c) [V]	%1σ	38Ar(k) [V]	%1σ	38Ar(ca) [V]	%1σ	38Ar(cl) [V]	%1σ	39Ar(k) [V]	%1σ	39Ar(ca) [V]	%1σ	40Ar(r) [V]	%1σ	40Ar(a) [V]	%1σ	40Ar(c) [V]	%1σ	40Ar(k) [V]	%1σ	
11C2498	2.0 %	0.0025414	0.36	0.0000000	0.00	0.0000002	9.51	0.0000000	33.52	0.0005770	9.51	0.0004750	0.36	0.0000000	0.00	0.0000048	3.75	0.0000001	9.51	0.0000351	33.95	0.0004254	3.75	0.0000004	9.51	0.0226360	12.06	0.7509895	0.36	0.0000000	0.00	0.0000004	3.75	
11C2499	2.4 %	0.0020077	0.50	0.0000000	0.00	0.0000006	2.29	0.0000000	29.26	0.0023925	2.29	0.0003752	0.50	0.0000000	0.00	0.0000080	2.39	0.0000003	2.29	0.0000357	29.75	0.0007008	2.39	0.0000016	2.29	0.0326505	10.17	0.5932855	0.50	0.0000000	0.00	0.0000007	2.39	
11C2500	2.8 %	0.0007515	1.20	0.0000000	0.00	0.0000011	1.72	0.0000000	23.59	0.0041226	1.72	0.0001405	1.20	0.0000000	0.00	0.0000120	1.43	0.0000006	1.72	0.0000223	24.20	0.0010539	1.43	0.0000028	1.72	0.0248218	10.76	0.2220628	1.20	0.0000000	0.00	0.0000011	1.43	
11C2502	3.2 %	0.0003691	2.61	0.0000000	0.00	0.0000016	1.69	0.0000000	#####	0.0059468	1.69	0.0000690	2.61	0.0000000	0.00	0.0000176	1.03	0.0000008	1.69	0.0000000	#####	0.0015498	1.03	0.0000040	1.69	0.0313955	9.10	0.1090821	2.61	0.0000000	0.00	0.0000016	1.03	
11C2503	3.6 %	✓ 0.0001481	5.61	0.0000000	0.00	0.0000030	1.50	0.0000000	0.00	0.0114741	1.50	0.0000277	5.61	0.0000000	0.00	0.0000353	0.40	0.0000016	1.50	0.0000000	0.00	0.0031008	0.40	0.0000077	1.50	0.0478753	5.16	0.0437676	5.61	0.0000000	0.00	0.0000031	0.40	
11C2504	3.9 %	✓ 0.0000728	11.65	0.0000000	0.00	0.0000034	1.46	0.0000000	0.00	0.0129297	1.46	0.0000136	11.65	0.0000000	0.00	0.0000401	0.31	0.0000018	1.46	0.0000000	0.00	0.0035238	0.31	0.0000087	1.46	0.0541237	4.66	0.0215166	11.65	0.0000000	0.00	0.0000036	0.31	
11C2506	4.3 %	✓ 0.0000512	21.87	0.0000000	0.00	0.0000069	1.42	0.0000000	0.00	0.0260442	1.42	0.0000096	21.87	0.0000000	0.00	0.0000791	0.28	0.0000036	1.42	0.0000000	0.00	0.0069521	0.28	0.0000175	1.42	0.1044717	3.17	0.0151155	21.87	0.0000000	0.00	0.0000070	0.28	
11C2507	4.7 %	✓ 0.0000290	38.42	0.0000000	0.00	0.0000087	1.42	0.0000000	0.00	0.0329415	1.42	0.0000054	38.42	0.0000000	0.00	0.0000932	0.17	0.0000046	1.42	0.0000000	0.00	0.0081892	0.17	0.0000222	1.42	0.1232875	2.68	0.0085706	38.42	0.0000000	0.00	0.0000083	0.17	
11C2508	5.1 %	✓ 0.0000202	39.61	0.0000000	0.00	0.0000112	1.45	0.0000000	0.00	0.0422520	1.45	0.0000038	39.61	0.0000000	0.00	0.0001145	0.18	0.0000059	1.45	0.0000000	0.00	0.0100593	0.18	0.0000284	1.45	0.1499770	1.58	0.0059638	39.61	0.0000000	0.00	0.0000102	0.18	
11C2510	5.6 %	✓ 0.0000168	75.95	0.0000000	0.00	0.0000162	1.45	0.0000000	0.00	0.0615431	1.45	0.0000031	75.95	0.0000000	0.00	0.0001538	0.27	0.0000086	1.45	0.0000000	0.00	0.0135117	0.27	0.0000414	1.45	0.2012979	1.88	0.0049757	75.95	0.0000000	0.00	0.0000136	0.27	
11C2511	6.1 %	✓ 0.0000128	67.08	0.0000000	0.00	0.0000188	1.47	0.0000000	193.86	0.0713052	1.47	0.0000024	67.08	0.0000000	0.00	0.0001671	0.25	0.0000099	1.47	0.0000049	193.93	0.0146861	0.25	0.0000480	1.47	0.2138768	1.19	0.0037684	67.08	0.0000000	0.00	0.0000148	0.25	
11C2512	6.6 %	✓ 0.0000122	66.93	0.0000000	0.00	0.0000200	1.42	0.0000000	0.00	0.0756647	1.42	0.0000023	66.93	0.0000000	0.00	0.0001705	0.17	0.0000105	1.42	0.0000000	0.00	0.0149831	0.17	0.0000509	1.42	0.2189126	1.10	0.0035920	66.93	0.0000000	0.00	0.0000151	0.17	
11C2514	7.3 %	✓ 0.0000079	98.88	0.0000000	0.00	0.0000253	1.41	0.0000000	0.00	0.0956731	1.41	0.0000015	98.88	0.0000000	0.00	0.0002064	0.18	0.0000133	1.41	0.0000000	0.00	0.0181335	0.18	0.0000644	1.41	0.2626412	0.89	0.0023374	98.88	0.0000000	0.00	0.0000183	0.18	
11C2515	8.0 %	✓ 0.0000275	46.67	0.0000000	0.00	0.0000257	1.47	0.0000000	105.96	0.0973666	1.47	0.0000051	46.67	0.0000000	0.00	0.0002010	0.23	0.0000135	1.47	0.0000087	106.09	0.0176589	0.23	0.0000655	1.47	0.2491774	1.53	0.0081330	46.67	0.0000000	0.00	0.0000178	0.23	
11C2516	8.7 %	✓ 0.0000266	32.72	0.0000000	0.00	0.0000277	1.42	0.0000000	0.00	0.1049837	1.42	0.0000050	32.72	0.0000000	0.00	0.0001985	0.11	0.0000146	1.42	0.0000000	0.00	0.0174412	0.11	0.0000707	1.42	0.2464897	1.05	0.0078513	32.72	0.0000000	0.00	0.0000176	0.11	
11C2519	9.3 %	✓ 0.0000080	104.73	0.0000000	0.00	0.0000207	1.43	0.0000000	787.64	0.0782794	1.43	0.0000015	104.73	0.0000000	0.00	0.0001415	0.36	0.0000109	1.43	0.0000020	787.66	0.0124321	0.36	0.0000527	1.43	0.1770922	1.46	0.0023598	104.73	0.0000000	0.00	0.0000126	0.36	
11C2520	10.3 %	✓ 0.0000134	66.30	0.0000000	0.00	0.0000214	1.42	0.0000000	#####	0.0808984	1.42	0.0000025	66.30	0.0000000	0.00	0.0001405	0.27	0.0000112	1.42	0.0000002	#####	0.0123494	0.27	0.0000544	1.42	0.1749236	1.57	0.0039733	66.30	0.0000000	0.00	0.0000125	0.27	
11C2522	11.3 %	0.0000310	27.27	0.0000000	0.00	0.0000219	1.45	0.0000000	343.33	0.0831299	1.45	0.0000058	27.27	0.0000000	0.00	0.0001222	0.39	0.0000116	1.45	0.0000059	343.38	0.0107418	0.39	0.0000559	1.45	0.1457842	1.79	0.0091463	27.27	0.0000000	0.00	0.0000108	0.39	
11C2523	12.6 %	0.0000499	20.32	0.0000000	0.00	0.0000311	1.45	0.0000000	0.00	0.1178682	1.45	0.0000093	20.32	0.0000000	0.00	0.0001175	0.35	0.0000164	1.45	0.0000000	0.00	0.0103215	0.35	0.0000793	1.45	0.1343089	2.29	0.0147444	20.32	0.0000000	0.00	0.0000104	0.35	
11C2524	14.2 %	0.0000473	17.48	0.0000000	0.00	0.0000379	1.44	0.0000000	0.00	0.1435795	1.44	0.0000088	17.48	0.0000000	0.00	0.0000977	0.33	0.0000200	1.44	0.0000000	0.00	0.0085873	0.33	0.0000966	1.44	0.1135134	2.24	0.0139631	17.48	0.0000000	0.00	0.0000087	0.33	
11C2526	16.6 %	0.0000693	11.83	0.0000000	0.00	0.0000480	1.42	0.0000000	0.00	0.1818742	1.42	0.0000130	11.83	0.0000000	0.00	0.0000823	0.38	0.0000253	1.42	0.0000000	0.00	0.0072304	0.38	0.0001224	1.42	0.0881331	2.88	0.0204831	11.83	0.0000000	0.00	0.0000073	0.38	
11C2527	19.2 %	0.0000716	14.06	0.0000000	0.00	0.0000427	1.43	0.0000000	857.96	0.1615554	1.43	0.0000134	14.06	0.0000000	0.00	0.0000531	0.54	0.0000225	1.43	0.0000020	857.98	0.0046654	0.54	0.0001087	1.43	0.0596682	5.13	0.0211608	14.06	0.0000000	0.00	0.0000047	0.54	
11C2528	22.7 %	0.0001422	6.70	0.0000000	0.00	0.0000501	1.43	0.0000000	0.00	0.1899171	1.43	0.0000266	6.70	0.0000000	0.00	0.0000450	0.65	0.0000264	1.43	0.0000000	0.00	0.0039547	0.65	0.0001278	1.43	0.0424777	6.84	0.0420055	6.70	0.0000000	0.00	0.0000040	0.65	
11C2530	26.7 %	0.0001327	6.26	0.0000000	0.00	0.0000246	1.42	0.0000000	858.49	0.0931160	1.42	0.0000248	6.26	0.0000000	0.00	0.0000202	1.34	0.0000129	1.42	0.0000017	858.50	0.0017749	1.34	0.0000627	1.42	0.0179911	14.22	0.0392110	6.26	0.0000000	0.00	0.0000018	1.34	
11C2531	32.7 %	0.0002274	4.74	0.0000000	0.00	0.0000360	1.44	0.0000000	771.76	0.1363577	1.44	0.0000425	4.74	0.0000000	0.00	0.0000188	1.42	0.0000190	1.44	0.0000021	771.78	0.0016534	1.42	0.0000918	1.44	0.0214841	15.23	0.0671963	4.74	0.0000000	0.00	0.0000017	1.42	
11C2532	35.0 %	0.0003340	3.17	0.0000000	0.00	0.0000095	1.43	0.0000000	77.45	0.0360586	1.43	0.0000624	3.17	0.0000000	0.00	0.0000070	4.05	0.0000050	1.43	0.0000191	77.63	0.0006133	4.05	0.0000243	1.43	0.0067308	47.84	0.0986895	3.17	0.0000000	0.00	0.0000006	4.05	
Σ		0.0072215	0.67	0.0000000	0.00	0.0005142	0.35	0.0000000	35.97	1.9478512	0.35	0.0013497	0.67	0.0000000	0.00	0.0023476	0.07	0.0002708	0.35	0.0001398	35.80	0.2062937	0.07	0.0013109	0.35	2.9657420	0.50	2.1339447	0.67	0.0000000	0.00	0.0002084	0.07	
Σ								0.0077357	0.63	1.9478512	0.35										0.0041078	1.24			0.2076046	0.07					5.0998951	0.40		

Additional Parameters		40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
11C2498	2.0 %	1817.111203	68.028818	1.355218	0.138452	5.969717	0.224500	69.888	3.993004	1.00049472	1.547E-13
11C2499	2.4 %	891.189036	21.335208	3.406367	0.112481	2.859455	0.069591	69.903	3.994209	1.00049483	1.252E-13
11C2500	2.8 %	233.640171	3.338003	3.901468	0.087270	0.712197	0.013244	69.919	3.995414	1.00049494	4.938E-14
11C2502	3.2 %	90.410088	0.947174	3.827289	0.075891	0.238586	0.006666	69.949	3.997827	1.00049515	2.810E-14
11C2503	3.6 % ✓	29.482479	0.148578	3.691226	0.057387	0.048623	0.002679	69.964	3.998978	1.00049526	1.833E-14
11C2504	3.9 % ✓	21.413835	0.097527	3.660246	0.054566	0.021579	0.002403	69.979	4.000185	1.00049537	1.513E-14
11C2506	4.3 % ✓	17.159398	0.061707	3.736820	0.053927	0.008326	0.001605	70.009	4.002545	1.00049558	2.392E-14
11C2507	4.7 % ✓	16.058923	0.042674	4.011679	0.057182	0.004591	0.001357	70.024	4.003753	1.00049568	2.637E-14
11C2508	5.1 % ✓	15.459442	0.038050	4.188448	0.061228	0.003106	0.000792	70.039	4.004907	1.00049579	3.119E-14
11C2510	5.6 % ✓	15.220673	0.046385	4.540890	0.066819	0.002441	0.000943	70.069	4.007270	1.00049600	4.126E-14
11C2511	6.1 % ✓	14.772552	0.043462	4.839468	0.072222	0.002143	0.000580	70.084	4.008479	1.00049611	4.353E-14
11C2512	6.6 % ✓	14.801126	0.029834	5.032913	0.072160	0.002137	0.000541	70.099	4.009689	1.00049621	4.450E-14
11C2514	7.3 % ✓	14.561960	0.029896	5.257377	0.074504	0.001823	0.000429	70.129	4.012055	1.00049642	5.300E-14
11C2515	8.0 % ✓	14.518283	0.037152	5.493356	0.081803	0.003003	0.000724	70.144	4.013265	1.00049653	5.147E-14
11C2516	8.7 % ✓	14.524981	0.021907	5.995023	0.085163	0.003100	0.000496	70.160	4.014532	1.00049665	5.087E-14
11C2519	9.3 % ✓	14.374616	0.078549	6.269960	0.092630	0.002295	0.000670	70.781	4.064064	1.00050103	3.589E-14
11C2520	10.3 % ✓	14.423690	0.071808	6.522035	0.094427	0.002806	0.000718	70.797	4.065290	1.00050114	3.578E-14
11C2522	11.3 %	14.349379	0.089297	7.698806	0.115227	0.004899	0.000781	70.827	4.067745	1.00050135	3.099E-14
11C2523	12.6 %	14.331902	0.085333	11.332566	0.169216	0.007789	0.000974	70.842	4.068972	1.00050146	2.981E-14
11C2524	14.2 %	14.680577	0.096280	16.533923	0.244979	0.009806	0.000950	70.857	4.070145	1.00050156	2.550E-14
11C2526	16.6 %	14.773030	0.115114	24.735296	0.363884	0.015957	0.001113	70.887	4.072602	1.00050178	2.172E-14
11C2527	19.2 %	16.931719	0.176388	33.839992	0.514921	0.023934	0.002109	70.903	4.073831	1.00050189	1.617E-14
11C2528	22.7 %	20.694914	0.220833	46.519692	0.727087	0.047101	0.002345	70.918	4.075061	1.00050199	1.690E-14
11C2530	26.7 %	31.129534	0.562391	50.672375	0.974423	0.085588	0.004650	70.948	4.077465	1.00050220	1.144E-14
11C2531	32.7 %	50.815098	0.800999	78.133320	1.538589	0.150927	0.006498	70.963	4.078695	1.00050231	1.774E-14
11C2532	35.0 %	165.345380	6.561708	56.555375	2.349309	0.538751	0.026766	70.978	4.079926	1.00050242	2.108E-14

Procedure Blanks		36Ar [V]	1σ	37Ar [V]	1σ	38Ar [V]	1σ	39Ar [V]	1σ	40Ar [V]	1σ
11C2498	2	0.0004012	0.0000044	0.0000011	0.0000081	0.0000111	0.0000038	0.0000661	0.0000041	0.0336383	0.0000299
11C2499	2.4	0.0004012	0.0000044	0.0000011	0.0000081	0.0000111	0.0000038	0.0000661	0.0000041	0.0336383	0.0000299
11C2500	2.8	0.0004012	0.0000044	0.0000011	0.0000081	0.0000111	0.0000038	0.0000661	0.0000041	0.0336383	0.0000299
11C2502	3.2	0.0002915	0.0000075	0.0000171	0.0000103	0.0000153	0.0000067	0.0000542	0.0000103	0.0037036	0.0002170
11C2503	3.6	0.0002894	0.0000075	0.0000125	0.0000103	0.0000158	0.0000067	0.0000477	0.0000103	0.0033714	0.0002170
11C2504	3.9	0.0002877	0.0000075	0.0000096	0.0000103	0.0000157	0.0000067	0.0000443	0.0000103	0.0031126	0.0002170
11C2506	4.3	0.0002856	0.0000075	0.0000086	0.0000103	0.0000138	0.0000067	0.0000455	0.0000103	0.0028305	0.0002170
11C2507	4.7	0.0002851	0.0000075	0.0000098	0.0000103	0.0000124	0.0000067	0.0000490	0.0000103	0.0027803	0.0002170
11C2508	5.1	0.0002849	0.0000075	0.0000116	0.0000103	0.0000107	0.0000067	0.0000535	0.0000103	0.0027790	0.0002170
11C2510	5.6	0.0002851	0.0000075	0.0000164	0.0000103	0.0000073	0.0000067	0.0000641	0.0000103	0.0028797	0.0002170
11C2511	6.1	0.0002854	0.0000075	0.0000188	0.0000103	0.0000057	0.0000067	0.0000691	0.0000103	0.0029647	0.0002170
11C2512	6.6	0.0002858	0.0000075	0.0000207	0.0000103	0.0000043	0.0000067	0.0000731	0.0000103	0.0030584	0.0002170
11C2514	7.3	0.0002866	0.0000075	0.0000219	0.0000103	0.0000029	0.0000067	0.0000759	0.0000103	0.0032272	0.0002170
11C2515	8	0.0002870	0.0000075	0.0000206	0.0000103	0.0000031	0.0000067	0.0000737	0.0000103	0.0032856	0.0002170
11C2516	8.7	0.0002872	0.0000075	0.0000173	0.0000103	0.0000041	0.0000067	0.0000679	0.0000103	0.0033115	0.0002170
11C2519	9.3	0.0002906	0.0000075	0.0000186	0.0000070	0.0000076	0.0000139	0.0000162	0.0000229	0.0021629	0.0007134
11C2520	10.3	0.0002883	0.0000075	0.0000174	0.0000070	0.0000103	0.0000139	0.0000205	0.0000229	0.0025576	0.0007134
11C2522	11.3	0.0002842	0.0000075	0.0000160	0.0000070	0.0000128	0.0000139	0.0000250	0.0000229	0.0027770	0.0007134
11C2523	12.6	0.0002829	0.0000075	0.0000157	0.0000070	0.0000129	0.0000139	0.0000257	0.0000229	0.0027505	0.0007134
11C2524	14.2	0.0002823	0.0000075	0.0000154	0.0000070	0.0000124	0.0000139	0.0000257	0.0000229	0.0027320	0.0007134
11C2526	16.6	0.0002838	0.0000075	0.0000148	0.0000070	0.0000105	0.0000139	0.0000250	0.0000229	0.0030042	0.0007134
11C2527	19.2	0.0002865	0.0000075	0.0000143	0.0000070	0.0000095	0.0000139	0.0000246	0.0000229	0.0034452	0.0007134
11C2528	22.7	0.0002906	0.0000075	0.0000134	0.0000070	0.0000085	0.0000139	0.0000247	0.0000229	0.0041886	0.0007134
11C2530	26.7	0.0003038	0.0000075	0.0000107	0.0000070	0.0000076	0.0000139	0.0000271	0.0000229	0.0067980	0.0007134
11C2531	32.7	0.0003135	0.0000075	0.0000085	0.0000070	0.0000081	0.0000139	0.0000299	0.0000229	0.0088694	0.0007134
11C2532	35	0.0003254	0.0000075	0.0000057	0.0000070	0.0000093	0.0000139	0.0000342	0.0000229	0.0115373	0.0007134

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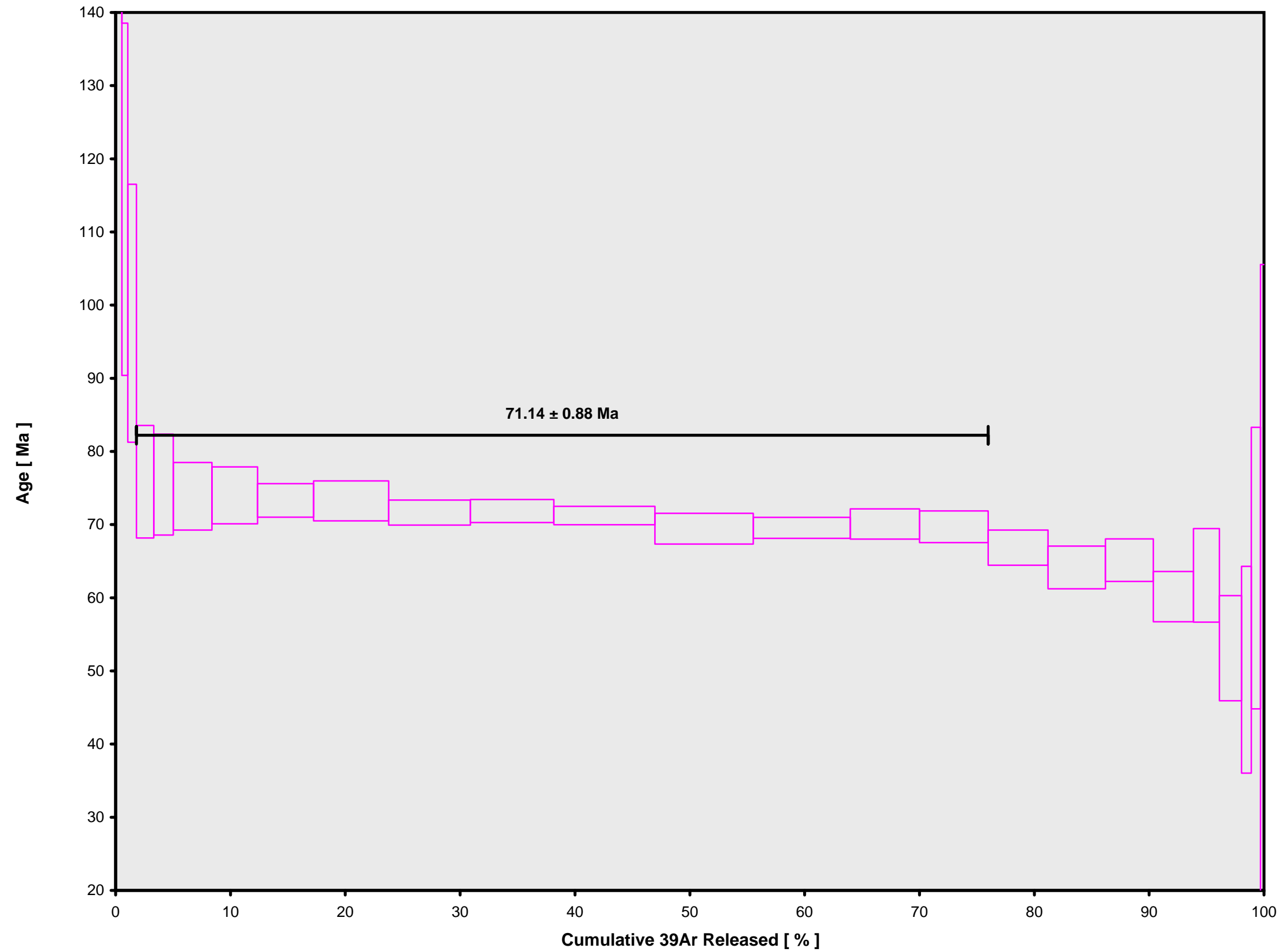
Intercept Values		36Ar [M]	1σ	r2		37Ar [M]	1σ	r2		38Ar [M]	1σ	r2		39Ar [M]	1σ	r2		40Ar [M]	1σ	r2	
11C2498	2	0.0029709	0.0000064	0.9902	LIN #	0.0001465	0.0000111	0.6241	LIN #	0.0005260	0.0000109	0.1102	LIN #	0.0004879	0.0000153	0.9997	LIN #	0.7965112	0.0003946	0.9994	EXP #
11C2499	2.4	0.0024307	0.0000083	0.9755	LIN #	0.0006040	0.0000075	0.3436	LIN # 2	0.0004302	0.0000094	0.1732	LIN #	0.0007625	0.0000161	0.9995	LIN #	0.6507893	0.0014799	0.9880	EXP #
11C2500	2.8	0.0011584	0.0000079	0.8832	LIN #	0.0010397	0.0000069	0.9395	LIN #	0.0001863	0.0000031	0.6676	LIN #	0.0011143	0.0000144	0.9985	LIN #	0.2767873	0.0002575	0.9976	EXP # 1
11C2502	3.2	0.0006631	0.0000063	0.4695	LIN #	0.0015139	0.0000103	0.9448	LIN #	0.0001026	0.0000110	0.0008	LIN #	0.0015959	0.0000122	0.9961	LIN #	0.1422483	0.0001589	0.9948	EXP # 1
11C2503	3.6	0.0004387	0.0000040	0.0805	LIN # 1	0.0029003	0.0000126	0.9865	EXP # 1	0.0000699	0.0000098	0.0579	LIN #	0.0003132	0.0000070	0.9948	LIN #	0.0937518	0.0001730	0.9633	EXP # 1
11C2504	3.9	0.0003611	0.0000044	0.0728	LIN #	0.0032625	0.0000096	0.9919	LIN #	0.0000564	0.0000056	0.5323	LIN # 3	0.0035504	0.0000032	0.9973	EXP #	0.0776997	0.0001310	0.9350	EXP # 1 2
11C2506	4.3	0.0003406	0.0000086	0.1134	LIN #	0.0065566	0.0000127	0.9974	LIN # 1 7 8	0.0001018	0.0000072	0.0013	LIN #	0.0069630	0.0000157	0.7839	LIN # 1 3 5	0.1207702	0.0001708	0.9901	EXP # 1 2
11C2507	4.7	0.0003195	0.0000085	0.3551	LIN #	0.0082894	0.0000170	0.9989	LIN # 1 3 4 7	0.0001057	0.0000103	0.0000	LIN #	0.0081991	0.0000083	0.9360	LIN # 4 7	0.1328270	0.0001606	0.9944	EXP # 1 2
11C2508	5.1	0.0003128	0.0000033	0.9838	LIN # 4 5 6 7 9	0.0106273	0.0000408	0.9860	LIN # 7	0.0001344	0.0000107	0.0112	LIN # 1	0.0100650	0.0000142	0.9841	LIN # 1 3 5	0.1565693	0.0001403	0.9969	EXP # 1 2
11C2510	5.6	0.0003148	0.0000106	0.4182	LIN #	0.0154714	0.0000578	0.9867	LIN #	0.0001523	0.0000138	0.3917	LIN #	0.0135161	0.0000341	0.9430	EXP #	0.2063401	0.0001966	0.9970	EXP # 1
11C2511	6.1	0.0003136	0.0000045	0.8673	LIN #	0.0179198	0.0000825	0.9796	EXP #	0.0001899	0.0000066	0.0442	LIN #	0.0146933	0.0000341	0.9394	EXP #	0.2176431	0.0002617	0.9951	EXP # 1
11C2512	6.6	0.0003145	0.0000036	0.9219	EXP #	0.0190123	0.0000511	0.9935	LIN #	0.0001835	0.0000074	0.1123	LIN #	0.0149965	0.0000226	0.9703	LIN #	0.2225515	0.0000748	0.9996	EXP # 1
11C2514	7.3	0.0003164	0.0000028	0.9695	LIN #	0.0240191	0.0000357	0.9981	EXP #	0.0002074	0.0000090	0.3625	LIN #	0.0181383	0.0000295	0.9798	EXP #	0.2645991	0.0001465	0.9991	EXP # 1
11C2515	8	0.0003370	0.0000107	0.6289	EXP # 3	0.0244375	0.0001123	0.9850	EXP # 1	0.0002314	0.0000060	0.0383	EXP # 1	0.0176679	0.0000375	0.9767	EXP # 1	0.2571170	0.0002136	0.9977	EXP #
11C2516	8.7	0.0003383	0.0000048	0.7544	EXP #	0.0263337	0.0000595	0.9956	EXP #	0.0002130	0.0000055	0.5653	LIN #	0.0174494	0.0000132	0.9953	EXP # 1	0.2541878	0.0001556	0.9987	EXP # 1
11C2519	9.3	0.0003158	0.0000041	0.7912	LIN #	0.0194055	0.0000503	0.9953	EXP # 1	0.0001633	0.0000068	0.0019	LIN #	0.0124109	0.0000372	0.9136	LIN #	0.1792082	0.0002136	0.9957	EXP # 1
11C2520	10.3	0.0003198	0.0000051	0.7152	LIN #	0.0200489	0.0000366	0.9967	LIN #	0.0001646	0.0000065	0.0177	LIN #	0.0123360	0.0000235	0.9694	LIN #	0.1790675	0.0002239	0.9953	EXP # 1
11C2522	11.3	0.0003341	0.0000042	0.6316	LIN #	0.0205897	0.0000648	0.9908	LIN #	0.0001581	0.0000149	0.0596	LIN #	0.0107468	0.0000343	0.9255	EXP #	0.1556482	0.0002472	0.9922	EXP # 1
11C2523	12.6	0.0003613	0.0000071	0.0635	LIN #	0.0291780	0.0000996	0.9917	EXP # 1	0.0001513	0.0000074	0.0000	LIN #	0.0103533	0.0000274	0.9321	EXP # 1	0.1498217	0.0000998	0.9984	EXP # 1
11C2524	14.2	0.0003648	0.0000038	0.6237	LIN #	0.0355289	0.0001092	0.9942	EXP # 1	0.0001245	0.0000079	0.2412	LIN #	0.0086485	0.0000165	0.8994	LIN #	0.1285080	0.0001184	0.9965	EXP # 1
11C2526	16.6	0.0003990	0.0000037	0.1060	LIN #	0.0449732	0.0000780	0.9973	EXP #	0.0001215	0.0000069	0.0009	LIN #	0.0073259	0.0000148	0.7933	LIN # 2	0.1101625	0.0002033	0.9817	EXP # 1
11C2527	19.2	0.0003985	0.0000070	0.1207	LIN #	0.0399340	0.0000798	0.9967	EXP #	0.0001002	0.0000097	0.0080	EXP # 1	0.0047645	0.0000106	0.9131	LIN # 6	0.0831645	0.0001289	0.9759	EXP # 1
11C2528	22.7	0.0004816	0.0000061	0.2536	LIN #	0.0469225	0.0001081	0.9966	EXP # 1	0.0000909	0.0000063	0.1778	LIN #	0.0040775	0.0000114	0.9672	EXP #	0.0874946	0.0001488	0.9708	EXP # 1
11C2530	26.7	0.0004591	0.0000040	0.6187	LIN #	0.0229988	0.0000355	0.9983	EXP #	0.0000672	0.0000044	0.0014	LIN #	0.0018513	0.0000067	0.9952	EXP # 1	0.0631556	0.0001024	0.9833	EXP # 1
11C2531	32.7	0.0005761	0.0000080	0.0793	LIN #	0.0336585	0.0000940	0.9932	EXP #	0.0000903	0.0000087	0.0597	LIN # 6	0.0017621	0.0000052	0.9987	LIN # 6	0.0962521	0.0001674	0.9852	EXP # 1
11C2532	35	0.0006690	0.0000077	0.5910	LIN #	0.0089006	0.0000187	0.9966	EXP #	0.0001027	0.0000050	0.5606	EXP # 1	0.0006666	0.0000098	0.9963	EXP #	0.1153889	0.0003021	0.9807	EXP # 1

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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	
11C2498	2	330-U1374A-63R-3 99-106 cm	Groundmass 213-300μm	Rigil Guyot, Site U1374	Anthony Koppers	2	28.03	0.01	0.0027813	0.23	1.006707	0.05	1.0135	2E-13	5	OCT	2011	9	1	1	OSU3A11	Louisville	11C2498	01	FCT-3
11C2499	2.4	330-U1374A-63R-3 99-106 cm	Groundmass 213-300μm	Rigil Guyot, Site U1374	Anthony Koppers	2.4	28.03	0.01	0.0027813	0.23	1.006707	0.05	1.0135	2E-13	5	OCT	2011	9	23	1	OSU3A11	Louisville	11C2498	01	FCT-3
11C2500	2.8	330-U1374A-63R-3 99-106 cm	Groundmass 213-300μm	Rigil Guyot, Site U1374	Anthony Koppers	2.8	28.03	0.01	0.0027813	0.23	1.006707	0.05	1.0135	2E-13	5	OCT	2011	9	45	1	OSU3A11	Louisville	11C2498	01	FCT-3
11C2502	3.2	330-U1374A-63R-3 99-106 cm	Groundmass 213-300μm	Rigil Guyot, Site U1374	Anthony Koppers	3.2	28.03	0.01	0.0027813	0.23	1.006707	0.05	1.0136	2E-13	5	OCT	2011	10	29	1	OSU3A11	Louisville	11C2498	01	FCT-3
11C2503	3.6	330-U1374A-63R-3 99-106 cm	Groundmass 213-300μm	Rigil Guyot, Site U1374	Anthony Koppers	3.6	28.03	0.01	0.0027813	0.23	1.006707	0.05	1.0135	2E-13	5	OCT	2011	10	50	1	OSU3A11	Louisville	11C2498	01	FCT-3
11C2504	3.9	330-U1374A-63R-3 99-106 cm	Groundmass 213-300μm	Rigil Guyot, Site U1374	Anthony Koppers	3.9	28.03	0.01	0.0027813	0.23	1.006707	0.05	1.0136	2E-13	5	OCT	2011	11	12	1	OSU3A11	Louisville	11C2498	01	FCT-3
11C2506	4.3	330-U1374A-63R-3 99-106 cm	Groundmass 213-300μm	Rigil Guyot, Site U1374	Anthony Koppers	4.3	28.03	0.01	0.0027813	0.23	1.006707	0.05	1.0137	2E-13	5	OCT	2011	11	55	1	OSU3A11	Louisville	11C2498	01	FCT-3
11C2507	4.7	330-U1374A-63R-3 99-106 cm	Groundmass 213-300μm	Rigil Guyot, Site U1374	Anthony Koppers	4.7	28.03	0.01	0.0027813	0.23	1.006707	0.05	1.0137	2E-13	5	OCT	2011	12	17	1	OSU3A11	Louisville	11C2498	01	FCT-3
11C2508	5.1	330-U1374A-63R-3 99-106 cm	Groundmass 213-300μm	Rigil Guyot, Site U1374	Anthony Koppers	5.1	28.03	0.01	0.0027813	0.23	1.006707	0.05	1.0138	2E-13	5	OCT	2011	12	38	1	OSU3A11	Louisville	11C2498	01	FCT-3
11C2510	5.6	330-U1374A-63R-3 99-106 cm	Groundmass 213-300μm	Rigil Guyot, Site U1374	Anthony Koppers	5.6	28.03	0.01	0.0027813	0.23	1.006707	0.05	1.0137	2E-13	5	OCT	2011	13	21	1	OSU3A11	Louisville	11C2498	01	FCT-3
11C2511	6.1	330-U1374A-63R-3 99-106 cm	Groundmass 213-300μm	Rigil Guyot, Site U1374	Anthony Koppers	6.1	28.03	0.01	0.0027813	0.23	1.006707	0.05	1.0137	2E-13	5	OCT	2011	13	43	1	OSU3A11	Louisville	11C2498	01	FCT-3
11C2512	6.6	330-U1374A-63R-3 99-106 cm	Groundmass 213-300μm	Rigil Guyot, Site U1374	Anthony Koppers	6.6	28.03	0.01	0.0027813	0.23	1.006707	0.05	1.0136	2E-13	5	OCT	2011	14	5	1	OSU3A11	Louisville	11C2498	01	FCT-3
11C2514	7.3	330-U1374A-63R-3 99-106 cm	Groundmass 213-300μm	Rigil Guyot, Site U1374	Anthony Koppers	7.3	28.03	0.01	0.0027813	0.23	1.006707	0.05	1.0137	2E-13	5	OCT	2011	14	48	1	OSU3A11	Louisville	11C2498	01	FCT-3
11C2515	8	330-U1374A-63R-3 99-106 cm	Groundmass 213-300μm	Rigil Guyot, Site U1374	Anthony Koppers	8	28.03	0.01	0.0027813	0.23	1.006707	0.05	1.0136	2E-13	5	OCT	2011	15	10	1	OSU3A11	Louisville	11C2498	01	FCT-3
11C2516	8.7	330-U1374A-63R-3 99-106 cm	Groundmass 213-300μm	Rigil Guyot, Site U1374	Anthony Koppers	8.7	28.03	0.01	0.0027813	0.23	1.006707	0.05	1.0137	2E-13	5	OCT	2011	15	33	1	OSU3A11	Louisville	11C2498	01	FCT-3
11C2519	9.3	330-U1374A-63R-3 99-106 cm	Groundmass 213-300μm	Rigil Guyot, Site U1374	Anthony Koppers	9.3	28.03	0.01	0.0027813	0.23	1.006707	0.05	1.0135	2E-13	6	OCT	2011	6	27	1	OSU3A11	Louisville	11C2498	01	FCT-3
11C2520	10.3	330-U1374A-63R-3 99-106 cm	Groundmass 213-300μm	Rigil Guyot, Site U1374	Anthony Koppers	10.3	28.03	0.01	0.0027813	0.23	1.006707	0.05	1.0134	2E-13	6	OCT	2011	6	49	1	OSU3A11	Louisville	11C2498	01	FCT-3
11C2522	11.3	330-U1374A-63R-3 99-106 cm	Groundmass 213-300μm	Rigil Guyot, Site U1374	Anthony Koppers	11.3	28.03	0.01	0.0027813	0.23	1.006707	0.05	1.0133	2E-13	6	OCT	2011	7	33	1	OSU3A11	Louisville	11C2498	01	FCT-3
11C2523	12.6	330-U1374A-63R-3 99-106 cm	Groundmass 213-300μm	Rigil Guyot, Site U1374	Anthony Koppers	12.6	28.03	0.01	0.0027813	0.23	1.006707	0.05	1.0133	2E-13	6	OCT	2011	7	55	1	OSU3A11	Louisville	11C2498	01	FCT-3
11C2524	14.2	330-U1374A-63R-3 99-106 cm	Groundmass 213-300μm	Rigil Guyot, Site U1374	Anthony Koppers	14.2	28.03	0.01	0.0027813	0.23	1.006707	0.05	1.0133	2E-13	6	OCT	2011	8	16	1	OSU3A11	Louisville	11C2498	01	FCT-3
11C2526	16.6	330-U1374A-63R-3 99-106 cm	Groundmass 213-300μm	Rigil Guyot, Site U1374	Anthony Koppers	16.6	28.03	0.01	0.0027813	0.23	1.006707	0.05	1.0133	2E-13	6	OCT	2011	9	0	1	OSU3A11	Louisville	11C2498	01	FCT-3
11C2527	19.2	330-U1374A-63R-3 99-106 cm	Groundmass 213-300μm	Rigil Guyot, Site U1374	Anthony Koppers	19.2	28.03	0.01	0.0027813	0.23	1.006707	0.05	1.0134	2E-13	6	OCT	2011	9	22	1	OSU3A11	Louisville	11C2498	01	FCT-3
11C2528	22.7	330-U1374A-63R-3 99-106 cm	Groundmass 213-300μm	Rigil Guyot, Site U1374	Anthony Koppers	22.7	28.03	0.01	0.0027813	0.23	1.006707	0.05	1.0135	2E-13	6	OCT	2011	9	44	1	OSU3A11	Louisville	11C2498	01	FCT-3
11C2530	26.7	330-U1374A-63R-3 99-106 cm	Groundmass 213-300μm	Rigil Guyot, Site U1374	Anthony Koppers	26.7	28.03	0.01	0.0027813	0.23	1.006707	0.05	1.0134	2E-13	6	OCT	2011	10	27	1	OSU3A11	Louisville	11C2498	01	FCT-3
11C2531	32.7	330-U1374A-63R-3 99-106 cm	Groundmass 213-300μm	Rigil Guyot, Site U1374	Anthony Koppers	32.7	28.03	0.01	0.0027813	0.23	1.006707	0.05	1.0135	2E-13	6	OCT	2011	10	49	1	OSU3A11	Louisville	11C2498	01	FCT-3
11C2532	35	330-U1374A-63R-3 99-106 cm	Groundmass 213-300μm	Rigil Guyot, Site U1374	Anthony Koppers	35	28.03	0.01	0.0027813	0.23	1.006707	0.05	1.0136	2E-13	6	OCT	2011	11	11	1	OSU3A11	Louisville	11C2498	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		
		%1σ		%1σ		%1σ		%1σ		%1σ		%1σ		%1σ		%1σ		%1σ		%1σ		%1σ		%1σ		%1σ	
11C2498	2	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
11C2499	2.4	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
11C2500	2.8	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
11C2502	3.2	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
11C2503	3.6	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
11C2504	3.9	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
11C2506	4.3	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
11C2507	4.7	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
11C2508	5.1	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
11C2510	5.6	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
11C2511	6.1	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
11C2512	6.6	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
11C2514	7.3	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
11C2515	8	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
11C2516	8.7	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
11C2519	9.3	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
11C2520	10.3	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
11C2522	11.3	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
11C2523	12.6	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
11C2524	14.2	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
11C2526	16.6	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
11C2527	19.2	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
11C2528	22.7	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
11C2530	26.7	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
11C2531	32.7	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0
11C2532	35	295.5	0	0.018	35	0.1869	0	1.493	3	0.000673	0	0.000139	0	0.000264	0	0.00101	0	0.01138	0	0	0	0.43	0	0	0	0	0

11C2498.AGE >>> 330-U1374A-63R-3 99-106 CM >>> LOUISVILLE PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

71.14 ± 0.88

TOTAL FUSION

70.73 ± 0.76

NORMAL ISOCHRON

70.74 ± 0.88

INVERSE ISOCHRON

70.81 ± 0.92

MSWD (PROBABILITY)

2.00 (2%)

Sample Info

Groundmass 213-300µm

Rigil Guyot, Site U1374

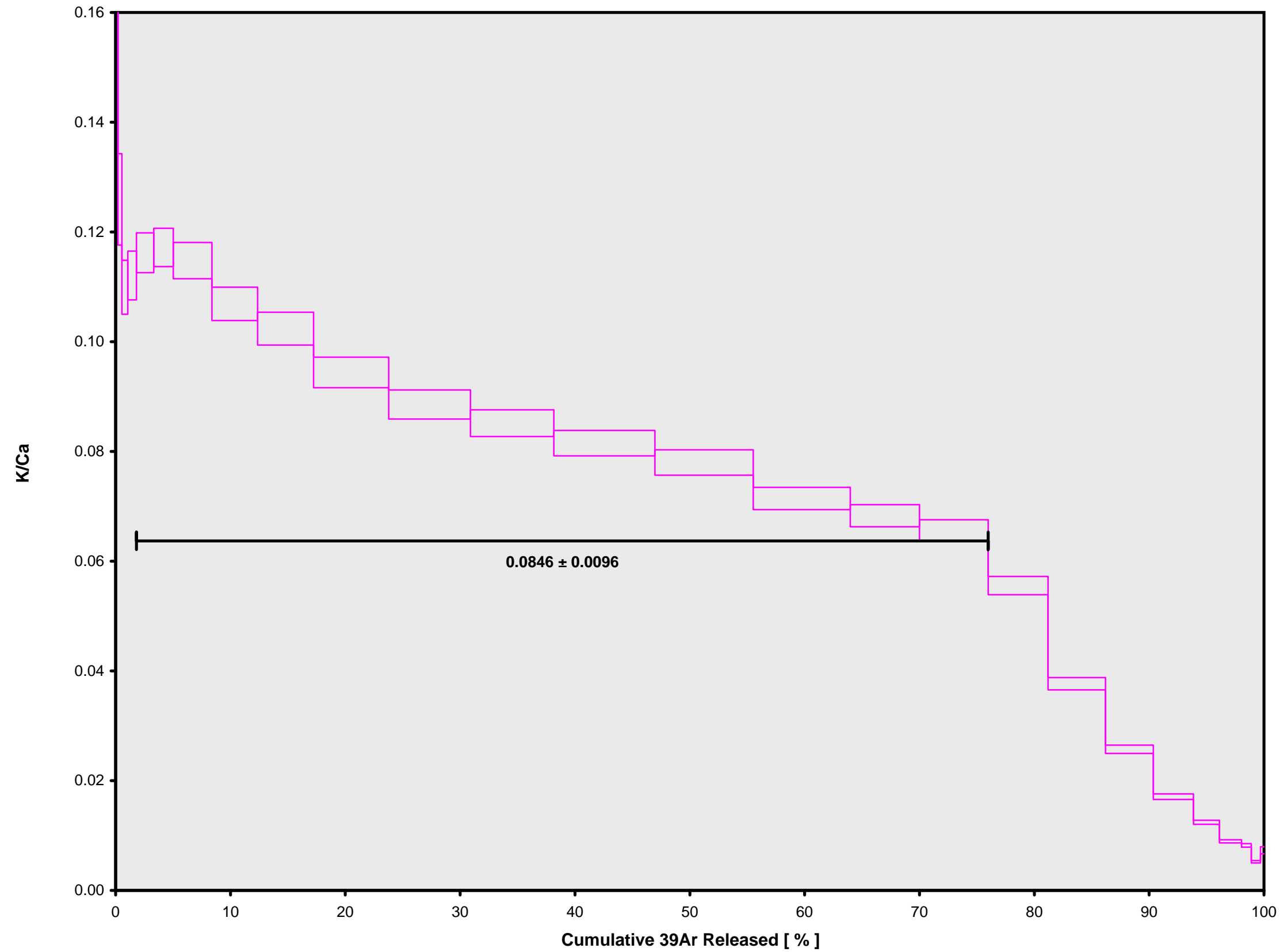
Anthony Koppers

IRR = OSU3A11

J = 0.00278130 ± 0.00000640

RECALIBRATED AGE

11C2498.AGE >>> 330-U1374A-63R-3 99-106 CM >>> LOUISVILLE PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

71.14 ± 0.88

TOTAL FUSION

70.73 ± 0.76

NORMAL ISOCHRON

70.74 ± 0.88

INVERSE ISOCHRON

70.81 ± 0.92

Sample Info

Groundmass 213-300 μ m

Rigil Guyot, Site U1374

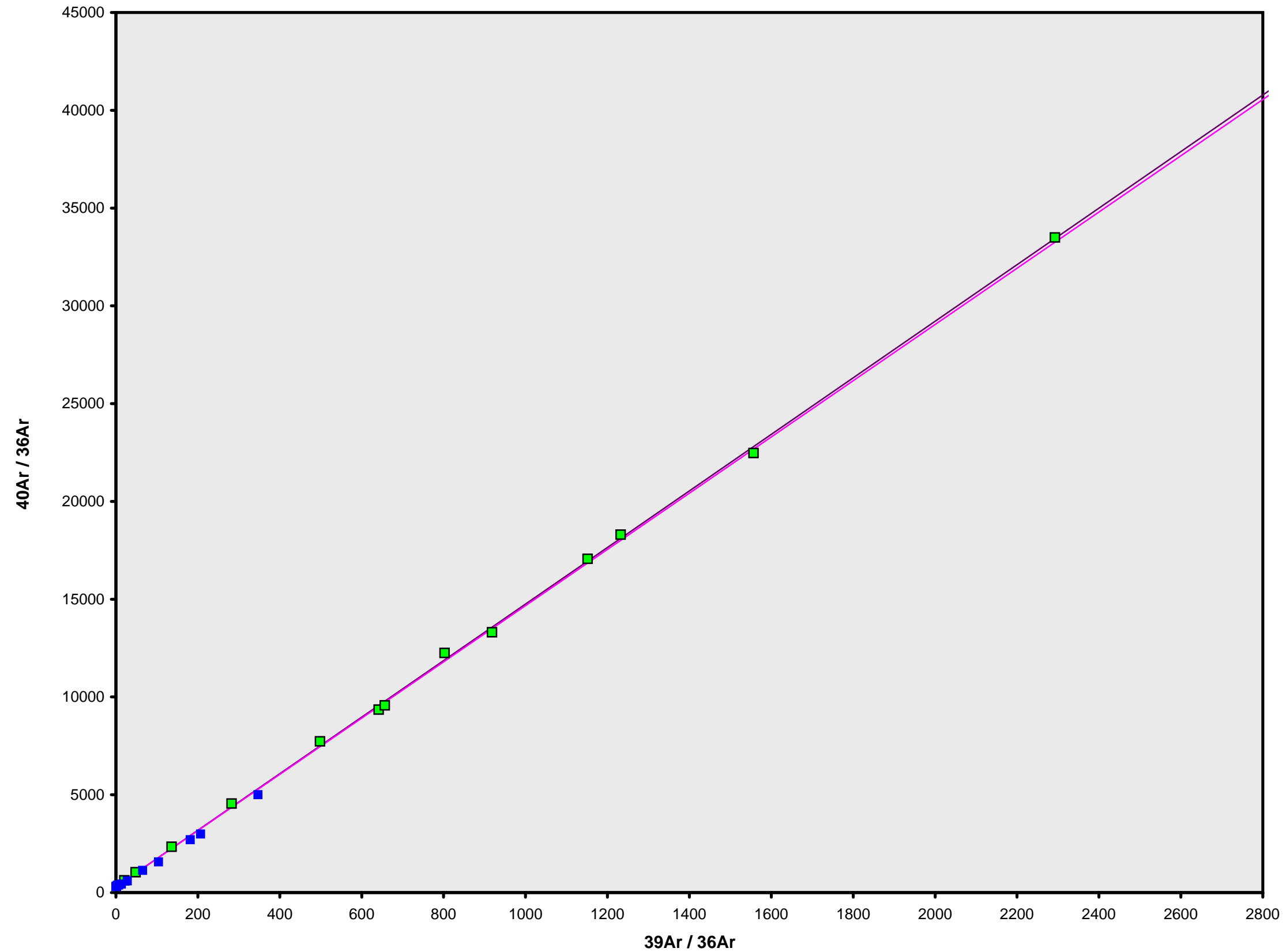
Anthony Koppers

IRR = OSU3A11

J = $0.00278130 \pm 0.00000640$

RECALIBRATED AGE

11C2498.AGE >>> 330-U1374A-63R-3 99-106 CM >>> LOUISVILLE PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

71.14 ± 0.88

TOTAL FUSION

70.73 ± 0.76

NORMAL ISOCHRON

70.74 ± 0.88

INVERSE ISOCHRON

70.81 ± 0.92

MSWD (PROBABILITY)

3.12 (0%)

40AR/36AR INTERCEPT

290.4 ± 58.4

Sample Info

Groundmass 213-300µm

Rigil Guyot, Site U1374

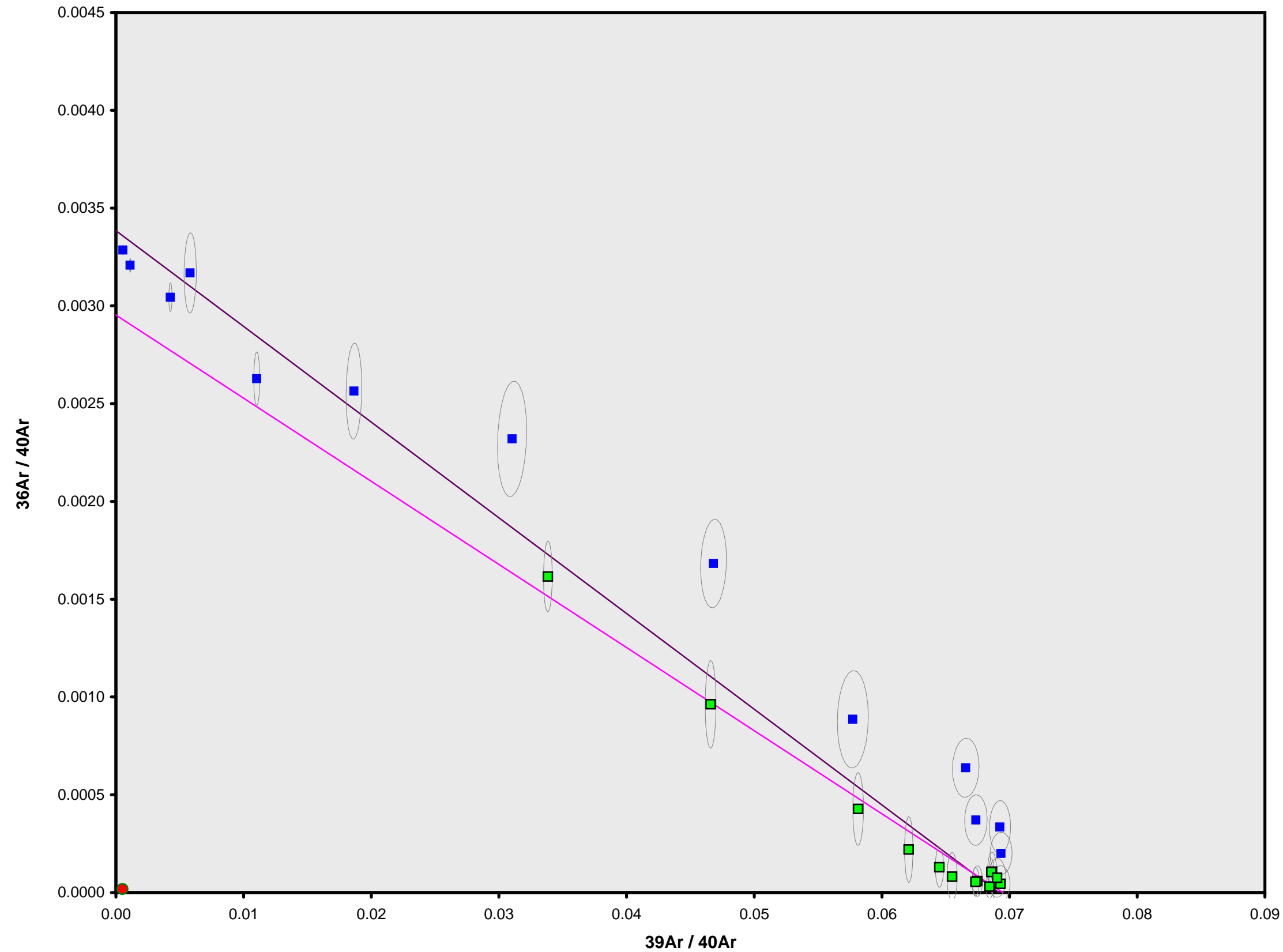
Anthony Koppers

IRR = OSU3A11

J = 0.00278130 ± 0.00000640

RECALIBRATED AGE

11C2498.AGE >>> 330-U1374A-63R-3 99-106 CM >>> LOUISVILLE PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU

71.14 ± 0.88

TOTAL FUSION

70.73 ± 0.76

NORMAL ISOCHRON

70.74 ± 0.88

INVERSE ISOCHRON

70.81 ± 0.92

MSWD (PROBABILITY)

1.47 (13%)

SPREADING FACTOR

51.0%

40AR/36AR INTERCEPT

338.7 ± 42.9

Sample Info

Groundmass 213-300 μm

Rigil Guyot, Site U1374

Anthony Koppers

IRR = OSU3A11

$J = 0.00278130 \pm 0.00000640$

RECALIBRATED AGE