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
11C2582	2.5 %		0.0000280	0.0132191	0.0000049	0.0001921	0.0008001	21.60 ± 165.90	8.82	0.62	0.0062 ± 0.0005
11C2583	3.5 %		0.0000388	0.2888045	0.0000000	0.0019262	0.0212774	56.71 ± 17.17	64.98	6.21	0.0029 ± 0.0001
11C2585	4.5 %	✓	0.0000109	0.5314582	0.0000000	0.0034701	0.0466853	68.84 ± 10.02	93.56	11.19	0.0028 ± 0.0001
11C2587	6.0 %	✓	0.0000104	0.5822388	0.0000000	0.0038235	0.0505951	67.73 ± 5.65	94.27	12.33	0.0028 ± 0.0001
11C2588	8.0 %	✓	0.0000217	0.7900757	0.0000000	0.0050497	0.0641464	65.07 ± 4.50	90.91	16.29	0.0027 ± 0.0001
11C2590	10.0 %	✓	0.0000048	0.6757724	0.0000000	0.0041874	0.0568070	69.40 ± 5.72	97.55	13.51	0.0027 ± 0.0001
11C2591	12.5 %	✓	0.0000127	0.6663393	0.0000000	0.0041598	0.0559136	68.78 ± 5.75	93.69	13.42	0.0027 ± 0.0001
11C2593	16.0 %	✓	0.0000116	0.6064451	0.0000000	0.0037521	0.0497505	67.86 ± 5.84	93.56	12.10	0.0027 ± 0.0001
11C2594	21.0 %	✓	0.0000150	0.4181912	0.0000000	0.0026703	0.0339332	65.09 ± 10.76	88.41	8.61	0.0027 ± 0.0001
11C2596	29.0 %		0.0000217	0.1940017	0.0000000	0.0012117	0.0122879	52.13 ± 16.88	65.69	3.91	0.0027 ± 0.0001
11C2597	40.0 %		0.0000128	0.0817644	0.0000000	0.0005577	0.0050226	46.37 ± 42.04	57.01	1.80	0.0029 ± 0.0001
		Σ	0.0001884	4.8483106	0.0000049	0.0310008	0.3972192				

Information on Analysis

Sample = 330-U1374A-61R-3 99-109 C
Material = Plagioclase 213-300µm
Location = Rigil Guyot, Site U1374
Analyst = Anthony Koppers
Project = LOUISVILLE
Mass Discrimination Law = LIN
Irradiation = OSU3A11
J = 0.00289100 ± 0.00000578
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	13.17307	± 0.45740	67.43	± 2.31	0.35	87.46	0.0027 ± 0.0001
		± 3.47%		± 3.43%	91%	7	
		Minimal External Error		± 2.55	2.15	2σ Confidence Limit	
		Analytical Error		± 2.30	1.0000	Error Magnification	
Total Fusion Age	12.81319	± 0.56130	65.62	± 2.83		11	0.0027 ± 0.0000
		± 4.38%		± 4.32%			
		Minimal External Error		± 3.02			
		Analytical Error		± 2.82			

Normal Isochron			39(k)/36(a) ± 2σ	40(a+r)/36(a) ± 2σ	r.i.
11C2582	2.5 %		6.87 ± 5.16	324.10 ± 242.35	0.9934
11C2583	3.5 %		49.65 ± 28.30	843.98 ± 480.94	0.9995
11C2585	4.5 %	✓	319.42 ± 686.95	4592.81 ± 9877.34	1.0000
11C2587	6.0 %	✓	367.94 ± 510.32	5164.33 ± 7162.61	1.0000
11C2588	8.0 %	✓	232.74 ± 163.09	3251.95 ± 2278.69	0.9999
11C2590	10.0 %	✓	868.90 ± 2901.86	12083.08 ± 40353.80	1.0000
11C2591	12.5 %	✓	326.79 ± 411.27	4688.00 ± 5899.85	1.0000
11C2593	16.0 %	✓	324.10 ± 410.00	4592.80 ± 5810.01	1.0000
11C2594	21.0 %	✓	177.52 ± 227.62	2551.38 ± 3271.23	1.0000
11C2596	29.0 %		55.81 ± 35.05	861.49 ± 540.84	0.9995
11C2597	40.0 %		43.53 ± 52.97	687.46 ± 836.26	0.9994

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Normal Isochron	64.23 ± 136.88	13.76535 ± 0.52886	70.40 ± 2.67	0.66
No Convergence	± 213.10%	± 3.84%	± 3.79%	65%
		Minimal External Error	± 2.89	
		Analytical Error	± 2.65	

Statistics				
	2σ Confidence Limit	2.26	Convergence	0.000046838251
	Error Magnification	1.0000	Number of Iterations	500
	Number of Data Points	7	Calculated Line	Weighted York-2

Inverse Isochron			39(k)/40(a+r) ± 2σ	36(a)/40(a+r) ± 2σ	r.i.
11C2582	2.5 %		0.0211831 ± 0.0018226	0.00308549 ± 0.00230722	0.0130
11C2583	3.5 %		0.0588316 ± 0.0010200	0.00118486 ± 0.00067520	0.0065
11C2585	4.5 %	✓	0.0695482 ± 0.0008556	0.00021773 ± 0.00046826	0.0025
11C2587	6.0 %	✓	0.0712459 ± 0.0008181	0.00019364 ± 0.00026856	0.0014
11C2588	8.0 %	✓	0.0715687 ± 0.0005464	0.00030751 ± 0.00021547	0.0020
11C2590	10.0 %	✓	0.0719104 ± 0.0004743	0.00008276 ± 0.00027639	0.0002
11C2591	12.5 %	✓	0.0697077 ± 0.0006704	0.00021331 ± 0.00026845	0.0012
11C2593	16.0 %	✓	0.0705662 ± 0.0007978	0.00021773 ± 0.00027544	0.0013
11C2594	21.0 %	✓	0.0695798 ± 0.0007759	0.00039194 ± 0.00050253	0.0011
11C2596	29.0 %		0.0647862 ± 0.0012688	0.00116078 ± 0.00072874	0.0090
11C2597	40.0 %		0.0633139 ± 0.0027500	0.00145464 ± 0.00176950	0.0065

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD
Inverse Isochron	506.26 ± 2328.81	12.51047 ± 2.05002	64.10 ± 10.32	0.40
Clustered Points	± 460.00%	± 16.39%	± 16.10%	85%
		Minimal External Error	± 10.37	
		Analytical Error	± 10.32	

Statistics				
2σ Confidence Limit	2.26	Convergence	0.0000002645
Error Magnification	1.0000	Number of Iterations	8
Number of Data Points	7	Calculated Line	Weighted York-2
Spreading Factor	3.0%		

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
11C2582	2.5 %		0.0000315	33.216	0.0132191	1.559	0.0000142	39.952	0.0002010	3.872	0.0090680	1.445	4.16551 ± 32.19184	21.60 ± 165.90	8.82	0.62	0.0062 ± 0.0005
11C2583	3.5 %		0.0001150	9.555	0.2888045	1.519	0.0000462	17.263	0.0021206	0.684	0.0327428	0.401	11.04633 ± 3.39804	56.71 ± 17.17	64.98	6.21	0.0029 ± 0.0001
11C2585	4.5 %	✓	0.0001512	7.589	0.5314582	1.572	0.0000654	10.416	0.0038278	0.391	0.0498990	0.408	13.45341 ± 1.99684	68.84 ± 10.02	93.56	11.19	0.0028 ± 0.0001
11C2587	6.0 %	✓	0.0001641	4.160	0.5822388	1.500	0.0000761	9.905	0.0042153	0.452	0.0536697	0.240	13.23277 ± 1.12442	67.73 ± 5.65	94.27	12.33	0.0028 ± 0.0001
11C2588	8.0 %	✓	0.0002303	2.992	0.7900757	1.540	0.0000770	8.298	0.0055815	0.275	0.0705630	0.164	12.70292 ± 0.89514	65.07 ± 4.50	90.91	16.29	0.0027 ± 0.0001
11C2590	10.0 %	✓	0.0001832	4.138	0.6757724	1.511	0.0000811	11.880	0.0046422	0.237	0.0582353	0.113	13.56610 ± 1.13932	69.40 ± 5.72	97.55	13.51	0.0027 ± 0.0001
11C2591	12.5 %	✓	0.0001886	4.009	0.6663393	1.502	0.0000645	7.699	0.0046083	0.370	0.0596794	0.192	13.44136 ± 1.14548	68.78 ± 5.75	93.69	13.42	0.0027 ± 0.0001
11C2593	16.0 %	✓	0.0001717	4.028	0.6064451	1.504	0.0000509	17.581	0.0041603	0.446	0.0531754	0.219	13.25933 ± 1.16331	67.86 ± 5.84	93.56	12.10	0.0027 ± 0.0001
11C2594	21.0 %	✓	0.0001254	7.565	0.4181912	1.550	0.0000378	26.369	0.0029518	0.448	0.0383808	0.198	12.70743 ± 2.13905	65.09 ± 10.76	88.41	8.61	0.0027 ± 0.0001
11C2596	29.0 %		0.0000729	9.277	0.1940017	1.588	0.0000158	47.904	0.0013423	0.730	0.0187046	0.525	10.14090 ± 3.33159	52.13 ± 16.88	65.69	3.91	0.0027 ± 0.0001
11C2597	40.0 %		0.0000344	22.634	0.0817644	1.519	0.0000126	46.966	0.0006128	1.783	0.0088097	0.925	9.00520 ± 8.27044	46.37 ± 42.04	57.01	1.80	0.0029 ± 0.0001
		Σ	0.0014684	1.944	4.8483106	0.528	0.0005414	4.630	0.0342637	0.138	0.4529277	0.088					

Information on Analysis and Constants Used in Calculations

Sample = 330-U1374A-61R-3 99-109 CM
Material = Plagioclase 213-300µm
Location = Rigil Guyot, Site U1374
Analyst = Anthony Koppers
Project = LOUISVILLE
Mass Discrimination Law = LIN
Irradiation = OSU3A11
J = 0.00289100 ± 0.00000578
FCT-3 = 28.030 ± 0.003 Ma
IGSN = KOP000022
Preferred Age = Plateau Age
Classification = Eruption Age
Experiment Type = Incremental Heating
Extraction Method = Bulk Laser Heating
Heating = 300 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

Results	40(a)/36(a) ± 2σ	40(r)/39(k) ± 2σ	Age ± 2σ (Ma)	MSWD	39Ar(k) (%,n)	K/Ca ± 2σ
Age Plateau		13.17307 ± 0.45740 (± 3.47%)	67.43 ± 2.31 (± 3.43%)	0.35	87.46	0.0027 ± 0.0001
		Minimal External Error ± 2.55		2.15	2σ Confidence Limit	
		Analytical Error ± 2.30		1.0000	Error Magnification	
Total Fusion Age		12.81319 ± 0.56130 (± 4.38%)	65.62 ± 2.83 (± 4.32%)		11	0.0027 ± 0.0000
		Minimal External Error ± 3.02				
		Analytical Error ± 2.82				
Normal Isochron	64.23 ± 136.88 (± 213.10%)	13.76535 ± 0.52886 (± 3.84%)	70.40 ± 2.67 (± 3.79%)	0.66	87.46	
No Convergence		Minimal External Error ± 2.89		65%	7	
		Analytical Error ± 2.65		2.26	2σ Confidence Limit	
				1.0000	Error Magnification	
				500	Number of Iterations	
				0.0000468383	Convergence	
Inverse Isochron	506.26 ± 2328.81 (± 460.00%)	12.51047 ± 2.05002 (± 16.39%)	64.10 ± 10.32 (± 16.10%)	0.40	87.46	
Clustered Points		Minimal External Error ± 10.37		85%	7	
		Analytical Error ± 10.32		2.26	2σ Confidence Limit	
				1.0000	Error Magnification	
				8	Number of Iterations	
				0.0000002645	Convergence	
				3%	Spreading Factor	

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
11C2582	2.5 %		0.0000280	37.36	0.0000000	0.00	0.0000035	1.56	0.0000000	121.54	0.0132191	1.56	0.0000052	37.36	0.0000000	0.00	0.0000022	4.05	0.0000018	1.56	0.0000049	121.66	0.0001921	4.05	0.0000089	1.56	0.0008001	386.39	0.0082677	37.36	0.0000000	0.00	0.0000002	4.05
11C2583	3.5 %		0.0000388	28.49	0.0000000	0.00	0.0000762	1.52	0.0000000	0.00	0.2888045	1.52	0.0000073	28.49	0.0000000	0.00	0.0000219	0.77	0.0000401	1.52	0.0000000	0.00	0.0019262	0.77	0.0001944	1.52	0.0212774	15.36	0.0114635	28.49	0.0000000	0.00	0.0000019	0.77
11C2585	4.5 %	✓	0.0000109	107.53	0.0000000	0.00	0.0001403	1.57	0.0000000	0.00	0.5314582	1.57	0.0000020	107.53	0.0000000	0.00	0.0000395	0.46	0.0000739	1.57	0.0000000	0.00	0.0034701	0.46	0.0003577	1.57	0.0466853	7.41	0.0032103	107.53	0.0000000	0.00	0.0000035	0.46
11C2587	6.0 %	✓	0.0000104	69.35	0.0000000	0.00	0.0001537	1.50	0.0000000	0.00	0.5822388	1.50	0.0000019	69.35	0.0000000	0.00	0.0000435	0.52	0.0000809	1.50	0.0000000	0.00	0.0038235	0.52	0.0003918	1.50	0.0505951	4.22	0.0030707	69.35	0.0000000	0.00	0.0000039	0.52
11C2588	8.0 %	✓	0.0000217	35.04	0.0000000	0.00	0.0002086	1.54	0.0000000	0.00	0.7900757	1.54	0.0000041	35.04	0.0000000	0.00	0.0000575	0.34	0.0001098	1.54	0.0000000	0.00	0.0050497	0.34	0.0005317	1.54	0.0641464	3.51	0.0064115	35.04	0.0000000	0.00	0.0000051	0.34
11C2590	10.0 %	✓	0.0000048	166.98	0.0000000	0.00	0.0001784	1.51	0.0000000	0.00	0.6757724	1.51	0.0000009	166.98	0.0000000	0.00	0.0000477	0.31	0.0000939	1.51	0.0000000	0.00	0.0041874	0.31	0.0004548	1.51	0.0568070	4.19	0.0014241	166.98	0.0000000	0.00	0.0000042	0.31
11C2591	12.5 %	✓	0.0000127	62.92	0.0000000	0.00	0.0001759	1.50	0.0000000	0.00	0.6663393	1.50	0.0000024	62.92	0.0000000	0.00	0.0000473	0.44	0.0000926	1.50	0.0000000	0.00	0.0041598	0.44	0.0004484	1.50	0.0559136	4.24	0.0037615	62.92	0.0000000	0.00	0.0000042	0.44
11C2593	16.0 %	✓	0.0000116	63.25	0.0000000	0.00	0.0001601	1.50	0.0000000	0.00	0.6064451	1.50	0.0000022	63.25	0.0000000	0.00	0.0000427	0.52	0.0000843	1.50	0.0000000	0.00	0.0037521	0.52	0.0004081	1.50	0.0497505	4.36	0.0034211	63.25	0.0000000	0.00	0.0000038	0.52
11C2594	21.0 %	✓	0.0000150	64.11	0.0000000	0.00	0.0001104	1.55	0.0000000	0.00	0.4181912	1.55	0.0000028	64.11	0.0000000	0.00	0.0000304	0.52	0.0000581	1.55	0.0000000	0.00	0.0026703	0.52	0.0002814	1.55	0.0339332	8.40	0.0044449	64.11	0.0000000	0.00	0.0000027	0.52
11C2596	29.0 %		0.0000217	31.39	0.0000000	0.00	0.0000512	1.59	0.0000000	0.00	0.1940017	1.59	0.0000041	31.39	0.0000000	0.00	0.0000138	0.83	0.0000270	1.59	0.0000000	0.00	0.0012117	0.83	0.0001306	1.59	0.0122879	16.41	0.0064154	31.39	0.0000000	0.00	0.0000012	0.83
11C2597	40.0 %		0.0000128	60.82	0.0000000	0.00	0.0000216	1.52	0.0000000	0.00	0.0817644	1.52	0.0000024	60.82	0.0000000	0.00	0.0000063	1.97	0.0000114	1.52	0.0000000	0.00	0.0005577	1.97	0.0000550	1.52	0.0050226	45.88	0.0037866	60.82	0.0000000	0.00	0.0000006	1.97
		Σ	0.0001884	15.57	0.0000000	0.00	0.0012800	0.53	0.0000000	121.54	4.8483106	0.53	0.0000352	15.57	0.0000000	0.00	0.0003528	0.16	0.0006739	0.53	0.0000049	121.66	0.0310008	0.16	0.0032629	0.53	0.3972192	2.18	0.0556772	15.57	0.0000000	0.00	0.0000313	0.16
		Σ							0.0014684	2.05	4.8483106	0.53									0.0010669	0.83			0.0342637	0.16							0.4529277	2.71

Additional Parameters			40Ar/39Ar	1σ	37Ar/39Ar	1σ	36Ar/39Ar	1σ	Time (days)	37Ar (decay)	39Ar (decay)	40Ar (moles)
11C2582	2.5 %		45.118734	1.864739	65.773199	2.745491	0.156578	0.052361	74.801	4.399872	1.00052940	1.814E-15
11C2583	3.5 %		15.440633	0.122427	136.192382	2.268720	0.054249	0.005197	74.816	4.401200	1.00052951	6.549E-15
11C2585	4.5 %	✓	13.035904	0.073634	138.841098	2.248410	0.039492	0.003001	74.846	4.403797	1.00052972	9.980E-15
11C2587	6.0 %	✓	12.732070	0.065170	138.124491	2.164339	0.038930	0.001629	74.915	4.409841	1.00053021	1.073E-14
11C2588	8.0 %	✓	12.642393	0.040504	141.553697	2.215073	0.041258	0.001239	74.931	4.411233	1.00053033	1.411E-14
11C2590	10.0 %	✓	12.544718	0.032942	145.571142	2.227120	0.039469	0.001636	74.961	4.413836	1.00053054	1.165E-14
11C2591	12.5 %	✓	12.950503	0.054011	144.596558	2.236189	0.040936	0.001648	74.976	4.415168	1.00053064	1.194E-14
11C2593	16.0 %	✓	12.781765	0.063539	145.771189	2.286867	0.041266	0.001672	75.006	4.417773	1.00053085	1.064E-14
11C2594	21.0 %	✓	13.002577	0.063659	141.674012	2.285296	0.042498	0.003221	75.022	4.419167	1.00053097	7.676E-15
11C2596	29.0 %		13.934908	0.125301	144.530985	2.526369	0.054330	0.005056	75.052	4.421774	1.00053118	3.741E-15
11C2597	40.0 %		14.376892	0.288799	133.434605	3.125598	0.056139	0.012746	75.068	4.423169	1.00053129	1.762E-15

Procedure Blanks		36Ar [V]	1σ	37Ar [V]	1σ	38Ar [V]	1σ	39Ar [V]	1σ	40Ar [V]	1σ
11C2582	2.5	0.0002856	0.0000101	0.0000186	0.0000057	0.0000058	0.0000049	0.0000287	0.0000068	0.0006323	0.0001203
11C2583	3.5	0.0002876	0.0000101	0.0000231	0.0000057	0.0000061	0.0000049	0.0000367	0.0000068	0.0006878	0.0001203
11C2585	4.5	0.0002880	0.0000101	0.0000261	0.0000057	0.0000042	0.0000049	0.0000382	0.0000068	0.0007131	0.0001203
11C2587	6	0.0002863	0.0000064	0.0000248	0.0000060	0.0000025	0.0000045	0.0000291	0.0000074	0.0006625	0.0000565
11C2588	8	0.0002900	0.0000064	0.0000257	0.0000060	0.0000028	0.0000045	0.0000317	0.0000074	0.0006978	0.0000565
11C2590	10	0.0002936	0.0000064	0.0000324	0.0000060	0.0000034	0.0000045	0.0000352	0.0000074	0.0007146	0.0000565
11C2591	12.5	0.0002941	0.0000064	0.0000372	0.0000060	0.0000038	0.0000045	0.0000364	0.0000074	0.0007069	0.0000565
11C2593	16	0.0002931	0.0000064	0.0000462	0.0000060	0.0000046	0.0000045	0.0000380	0.0000074	0.0006804	0.0000565
11C2594	21	0.0002918	0.0000064	0.0000496	0.0000060	0.0000050	0.0000045	0.0000386	0.0000074	0.0006692	0.0000565
11C2596	29	0.0002887	0.0000064	0.0000503	0.0000060	0.0000059	0.0000045	0.0000396	0.0000074	0.0006744	0.0000565
11C2597	40	0.0002870	0.0000064	0.0000463	0.0000060	0.0000064	0.0000045	0.0000403	0.0000074	0.0007005	0.0000565

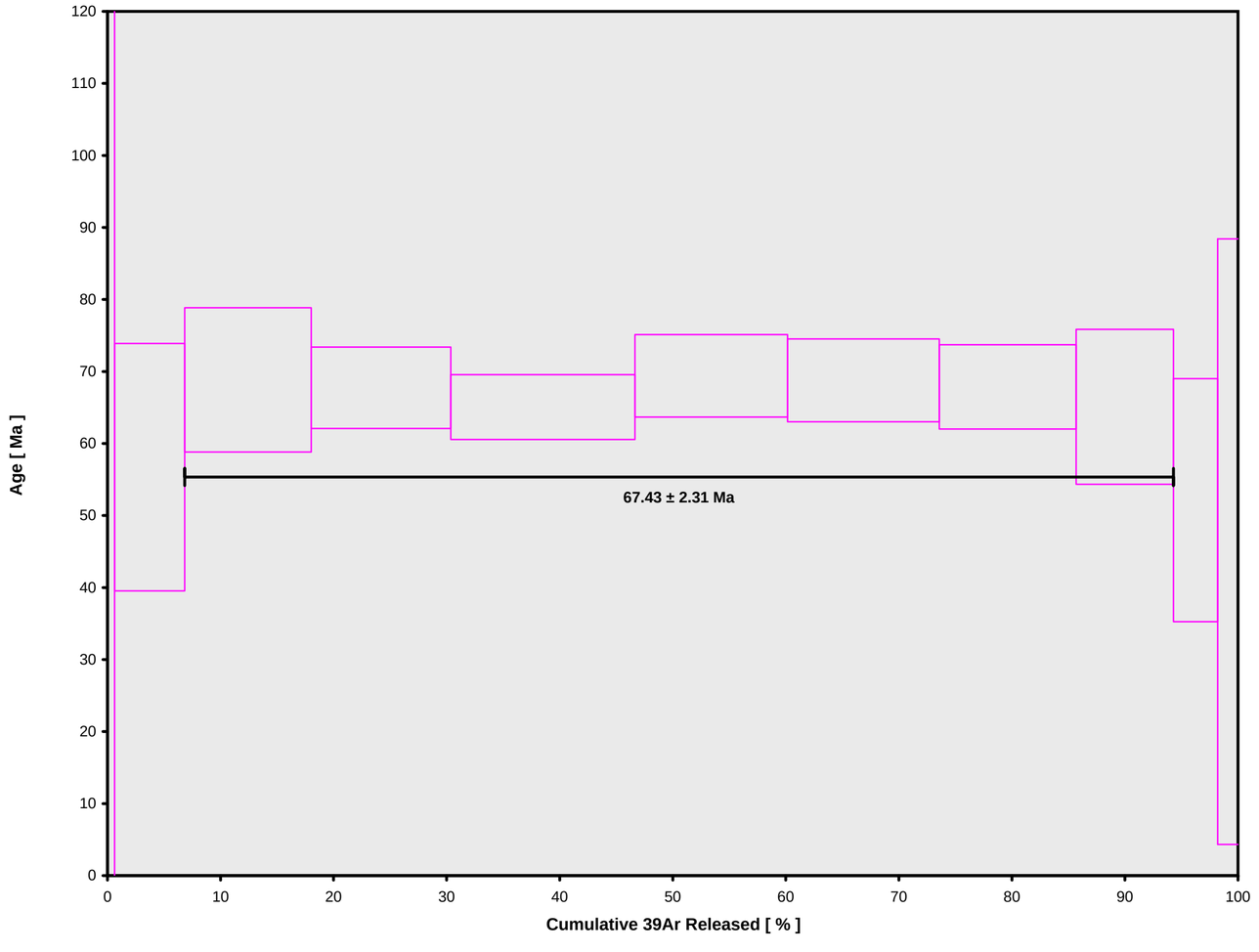
Intercept Values		36Ar [V]	1σ	r2		37Ar [V]	1σ	r2		38Ar [V]	1σ	r2		39Ar [V]	1σ	r2		40Ar [V]	1σ	r2	
11C2582	2.5	0.0003135	0.0000036	0.1049	LIN #	0.0030409	0.0000128	0.9905	EXP # 1 2	0.0000199	0.0000029	0.2627	LIN #	0.0002278	0.0000037	0.9974	LIN #	0.0095663	0.0000513	0.9966	LIN # 1 2
11C2583	3.5	0.0004001	0.0000050	0.1270	LIN #	0.0660384	0.0001968	0.9941	EXP # 3	0.0000521	0.0000063	0.1849	LIN #	0.0021404	0.0000127	0.9947	EXP #	0.0329691	0.0000515	0.9991	EXP # 1
11C2585	4.5	0.0004371	0.0000060	0.4519	LIN #	0.1214360	0.0006074	0.9796	EXP #	0.0000695	0.0000048	0.4839	LIN #	0.0038360	0.0000131	0.9918	LIN #	0.0499133	0.0001620	0.9874	LIN # 1
11C2587	6	0.0004485	0.0000028	0.9168	LIN # 9	0.1328400	0.0002195	0.9974	EXP #	0.0000785	0.0000061	0.0405	LIN #	0.0042111	0.0000173	0.9811	EXP #	0.0535768	0.0001142	0.9926	LIN # 1
11C2588	8	0.0005191	0.0000029	0.3417	LIN #	0.1801941	0.0006942	0.9889	EXP # 1	0.0000797	0.0000046	0.7943	LIN #	0.0055691	0.0000130	0.9932	LIN #	0.0702700	0.0001000	0.9949	LIN # 1
11C2590	10	0.0004750	0.0000044	0.8322	LIN # 3 5 6	0.1540290	0.0003714	0.9956	EXP # 1	0.0000844	0.0000086	0.1410	LIN # 9	0.0046402	0.0000077	0.9964	LIN #	0.0581245	0.0000337	0.9993	EXP # 1
11C2591	12.5	0.0004809	0.0000043	0.0285	LIN #	0.1518382	0.0002518	0.9975	EXP #	0.0000682	0.0000023	0.9124	LIN #	0.0046077	0.0000151	0.9865	LIN #	0.0595408	0.0000986	0.9934	LIN # 1
11C2593	16	0.0004627	0.0000030	0.5684	LIN #	0.1381073	0.0002509	0.9979	LIN # 1	0.0000553	0.0000078	0.5114	LIN #	0.0041644	0.0000168	0.9790	EXP # 1	0.0530965	0.0001005	0.9886	EXP # 1
11C2594	21	0.0004147	0.0000072	0.0915	LIN # 4	0.0952420	0.0003943	0.9845	EXP #	0.0000427	0.0000089	0.2745	LIN # 3	0.0029668	0.0000108	0.9862	EXP # 1	0.0385070	0.0000502	0.9970	EXP # 1
11C2596	29	0.0003585	0.0000027	0.5425	EXP #	0.0441843	0.0002379	0.9843	EXP #	0.0000216	0.0000061	0.1022	LIN # 6	0.0013709	0.0000063	0.9917	EXP # 1	0.0191096	0.0000792	0.9816	EXP # 1
11C2597	40	0.0003178	0.0000047	0.2933	EXP #	0.0186391	0.0000502	0.9970	EXP # 1 2	0.0000189	0.0000039	0.0129	LIN #	0.0006477	0.0000080	0.9846	EXP # 1 2	0.0093770	0.0000578	0.9920	EXP # 1 2

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
11C2582	2.5	330-U1374A-61R-3 99-109 cm	Plagioclase 213-300µm	Rigil Guyot, Site U1374	Anthony Koppers	2.5	28.03	0.01	0.002891	0.2	1.006707	0.05	1.014	2E-13	10	OCT	2011	6	55	1	OSU3A11	Louisville	11C2582	01	FCT-3
11C2583	3.5	330-U1374A-61R-3 99-109 cm	Plagioclase 213-300µm	Rigil Guyot, Site U1374	Anthony Koppers	3.5	28.03	0.01	0.002891	0.2	1.006707	0.05	1.014	2E-13	10	OCT	2011	7	17	1	OSU3A11	Louisville	11C2582	01	FCT-3
11C2585	4.5	330-U1374A-61R-3 99-109 cm	Plagioclase 213-300µm	Rigil Guyot, Site U1374	Anthony Koppers	4.5	28.03	0.01	0.002891	0.2	1.006707	0.05	1.014	2E-13	10	OCT	2011	8	0	1	OSU3A11	Louisville	11C2582	01	FCT-3
11C2587	6	330-U1374A-61R-3 99-109 cm	Plagioclase 213-300µm	Rigil Guyot, Site U1374	Anthony Koppers	6	28.03	0.01	0.002891	0.2	1.006707	0.05	1.0141	2E-13	10	OCT	2011	9	40	1	OSU3A11	Louisville	11C2582	01	FCT-3
11C2588	8	330-U1374A-61R-3 99-109 cm	Plagioclase 213-300µm	Rigil Guyot, Site U1374	Anthony Koppers	8	28.03	0.01	0.002891	0.2	1.006707	0.05	1.0141	2E-13	10	OCT	2011	10	3	1	OSU3A11	Louisville	11C2582	01	FCT-3
11C2590	10	330-U1374A-61R-3 99-109 cm	Plagioclase 213-300µm	Rigil Guyot, Site U1374	Anthony Koppers	10	28.03	0.01	0.002891	0.2	1.006707	0.05	1.0142	2E-13	10	OCT	2011	10	46	1	OSU3A11	Louisville	11C2582	01	FCT-3
11C2591	12.5	330-U1374A-61R-3 99-109 cm	Plagioclase 213-300µm	Rigil Guyot, Site U1374	Anthony Koppers	12.5	28.03	0.01	0.002891	0.2	1.006707	0.05	1.0142	2E-13	10	OCT	2011	11	8	1	OSU3A11	Louisville	11C2582	01	FCT-3
11C2593	16	330-U1374A-61R-3 99-109 cm	Plagioclase 213-300µm	Rigil Guyot, Site U1374	Anthony Koppers	16	28.03	0.01	0.002891	0.2	1.006707	0.05	1.0143	2E-13	10	OCT	2011	11	51	1	OSU3A11	Louisville	11C2582	01	FCT-3
11C2594	21	330-U1374A-61R-3 99-109 cm	Plagioclase 213-300µm	Rigil Guyot, Site U1374	Anthony Koppers	21	28.03	0.01	0.002891	0.2	1.006707	0.05	1.0141	2E-13	10	OCT	2011	12	14	1	OSU3A11	Louisville	11C2582	01	FCT-3
11C2596	29	330-U1374A-61R-3 99-109 cm	Plagioclase 213-300µm	Rigil Guyot, Site U1374	Anthony Koppers	29	28.03	0.01	0.002891	0.2	1.006707	0.05	1.0141	2E-13	10	OCT	2011	12	57	1	OSU3A11	Louisville	11C2582	01	FCT-3
11C2597	40	330-U1374A-61R-3 99-109 cm	Plagioclase 213-300µm	Rigil Guyot, Site U1374	Anthony Koppers	40	28.03	0.01	0.002891	0.2	1.006707	0.05	1.0142	2E-13	10	OCT	2011	13	20	1	OSU3A11	Louisville	11C2582	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
11C2582	2.5	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
11C2583	3.5	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
11C2585	4.5	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
11C2587	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
11C2588	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
11C2590	10	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
11C2591	12.5	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
11C2593	16	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
11C2594	21	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
11C2596	29	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
11C2597	40	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

OSU Argon Geochronology Laboratory
Oregon State University, Corvallis, USA

11C2582.AGE >>> 330-U1374A-61R-3 99-109 CM >>> LOUISVILLE PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
67.43 ± 2.31
TOTAL FUSION
65.62 ± 2.83
NORMAL ISOCHRON
70.40 ± 2.67
INVERSE ISOCHRON
64.10 ± 10.32

MSWD (PROBABILITY)
0.35 (91%)

Sample Info

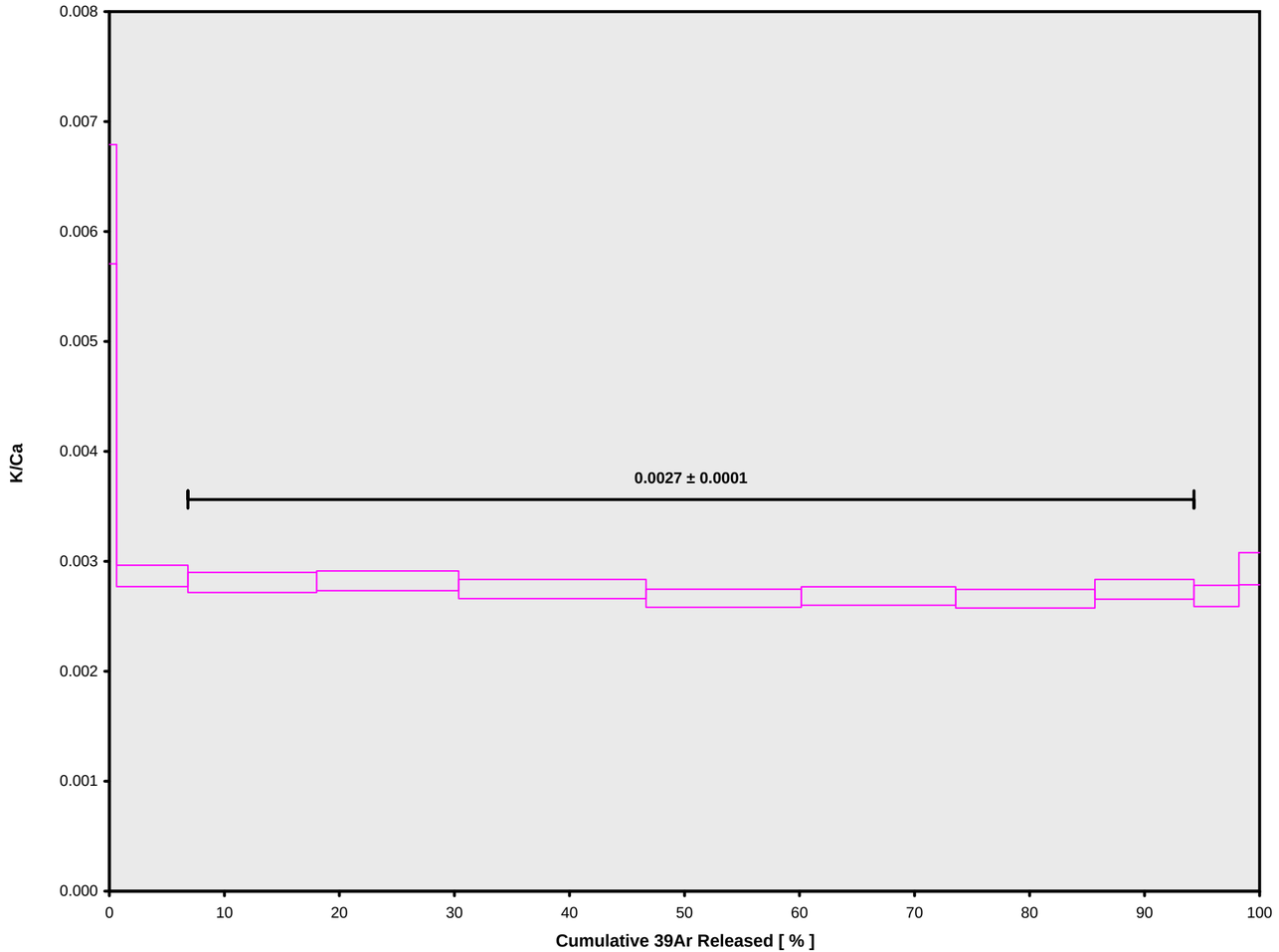
Plagioclase 213-300µm
Rigil Guyot, Site U1374
Anthony Koppers

IRR = OSU3A11
J = 0.00289100 ± 0.00000578

RECALIBRATED AGE

OSU Argon Geochronology Laboratory
Oregon State University, Corvallis, USA

11C2582.AGE >>> 330-U1374A-61R-3 99-109 CM >>> LOUISVILLE PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
67.43 ± 2.31
TOTAL FUSION
65.62 ± 2.83
NORMAL ISOCHRON
70.40 ± 2.67
INVERSE ISOCHRON
64.10 ± 10.32

Sample Info

Plagioclase 213-300µm
Rigil Guyot, Site U1374
Anthony Koppers

IRR = OSU3A11
J = 0.00289100 ± 0.00000578

RECALIBRATED AGE

OSU Argon Geochronology Laboratory
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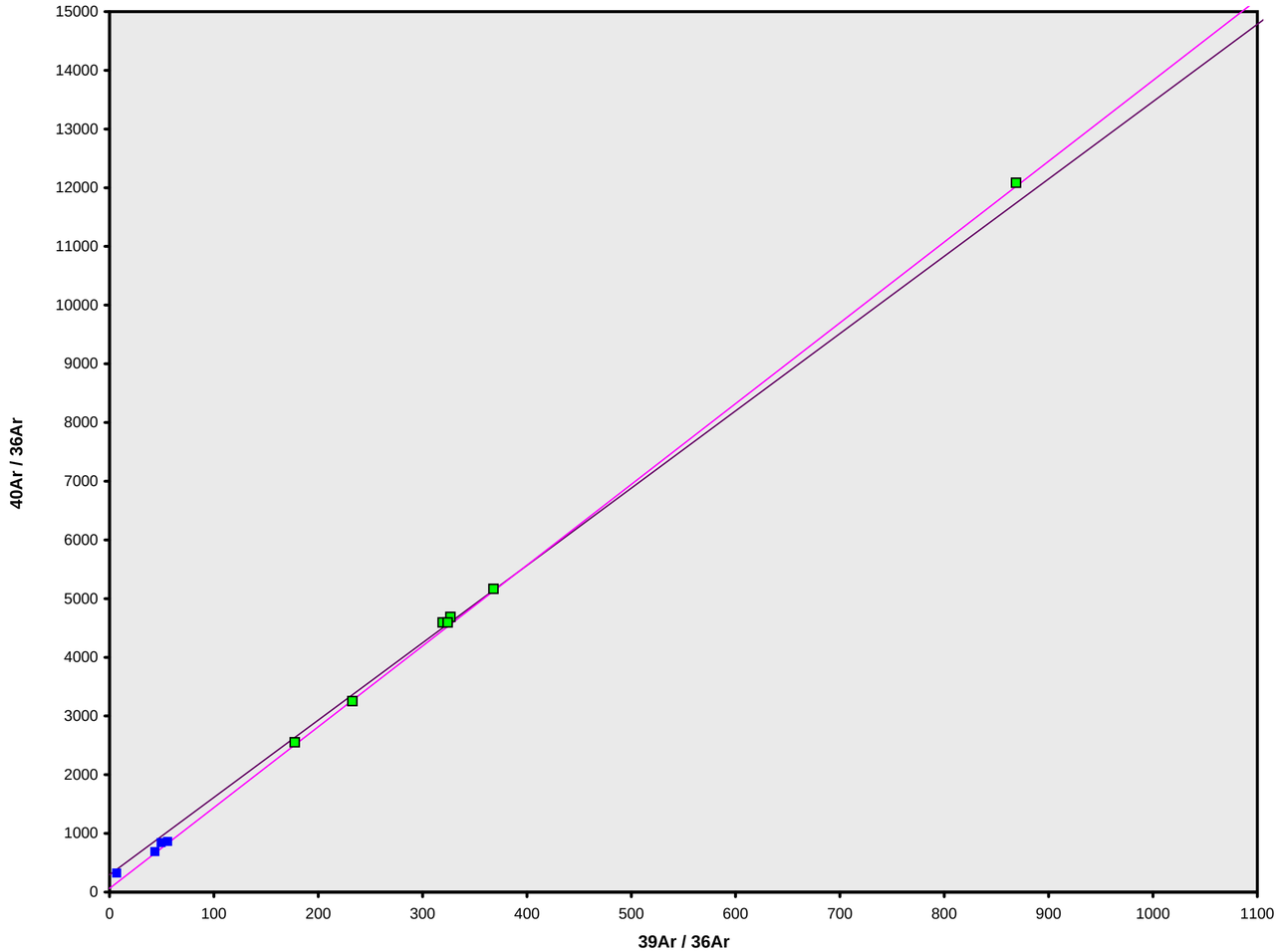
11C2582.AGE >>> 330-U1374A-61R-3 99-109 CM >>> LOUISVILLE PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
67.43 ± 2.31
TOTAL FUSION
65.62 ± 2.83
NORMAL ISOCHRON
70.40 ± 2.67
INVERSE ISOCHRON
64.10 ± 10.32

MSWD (PROBABILITY)
0.66 (65%)

40AR/36AR INTERCEPT
64.2 ± 136.9

Sample Info

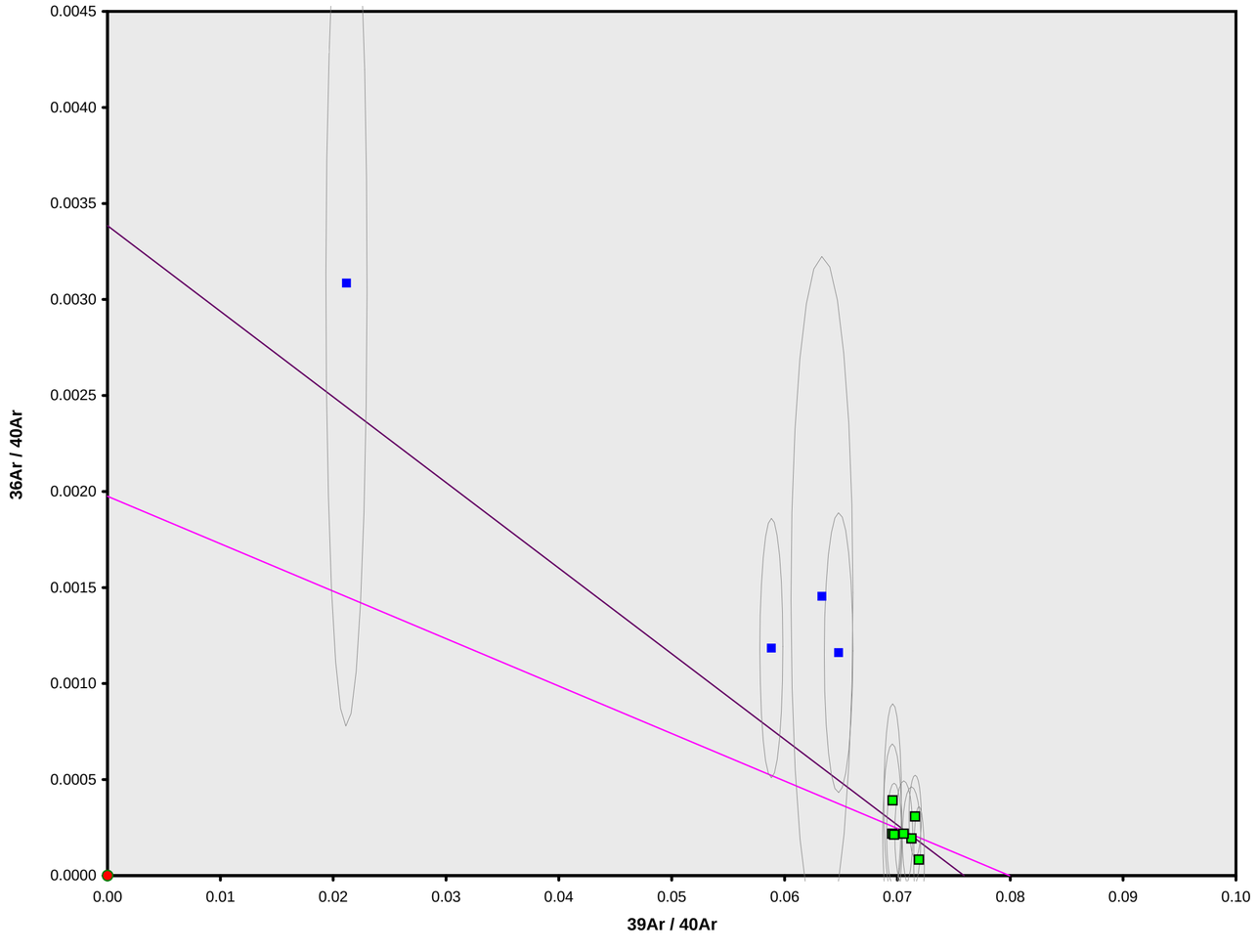
Plagioclase 213-300µm
Rigil Guyot, Site U1374
Anthony Koppers

IRR = OSU3A11
J = 0.00289100 ± 0.00000578

RECALIBRATED AGE

OSU Argon Geochronology Laboratory
Oregon State University, Corvallis, USA

11C2582.AGE >>> 330-U1374A-61R-3 99-109 CM >>> LOUISVILLE PROJECT



Ar-Ages in Ma

WEIGHTED PLATEAU
67.43 ± 2.31
TOTAL FUSION
65.62 ± 2.83
NORMAL ISOCHRON
70.40 ± 2.67
INVERSE ISOCHRON
64.10 ± 10.32

MSWD (PROBABILITY)
0.40 (85%)

SPREADING FACTOR
3.0%

40AR/36AR INTERCEPT
506.3 ± 2328.8

Sample Info

Plagioclase 213-300µm
Rigil Guyot, Site U1374
Anthony Koppers

IRR = OSU3A11
J = 0.00289100 ± 0.00000578

RECALIBRATED AGE