Allmendinger-Cornell University, MKJ-01-01B, Feldspar, J = 0.001603 ± 0.5%

4 amu discrimination = 1.02456 ± 0.48%, 40/39K = 0.00 ± 0.0002%, 36/37Ca = 0.0002784 ± 2.99%, 39/37Ca = 0.0006807 ± 2.94%

Crystal	T (C)	t (min.)	36Ar	37Ar	38Ar	39Ar	40Ar	%40Ar*	Ca/K	40Ar*/39ArK	Age (Ma)	1s.d.
1	1600	6	0.107	15.286	0.055	2.479	34.344	23.9	8.51814565	3.1786	9.17	0.27
2	1600	6	0.229	26.878	0.085	3.416	72.432	17.2	11.806074	3.6142	10.42	0.52
3	1600	6	0.202	15.096	0.146	3.738	65.776	18.4	6.05408854	3.1901	9.20	0.35
4	1600	6	0.149	15.080	0.080	4.185	53.059	28.0	8.15417136	3.4675	10.00	0.34
5	1600	6	0.104	15.542	0.076	4.228	39.186	36.6	5.98773579	3.2794	9.46	0.36
6	1600	6	0.071	18.161	0.051	2.564	25.985	42.8	6.09175759	4.1062	11.84	1.13
7	1600	6	0.152	14.856	0.066	2.064	49.691	21.5	10.0878335	5.0739	14.61	0.83
8	1600	6	0.126	15.544	0.080	4.472	44.210	29.2	6.89325033	2.8013	8.08	0.54
9	1600	6	0.094	13.718	0.061	3.140	32.301	31.0	6.74411461	3.0552	8.81	0.49
10	1600	6	0.114	17.561	0.056	3.082	40.354	30.9	8.91424944	3.9225	11.31	0.30
11	1600	6	0.093	14.463	0.037	2.160	31.048	28.3	11.012403	3.8911	11.22	0.77
12	1600	6	0.110	0.338	0.988	75.930	180.417	84.5	0.48648212	1.9994	5.77	0.05
13	1600	6	0.089	12.057	0.045	2.459	31.348	31.0	8.65998655	3.7638	10.85	0.79
14	1600	6	0.095	12.451	0.056	3.228	34.656	32.8	7.42571404	3.3729	9.73	0.32
15	1600	6	0.122	14.553	0.065	3.229	125.704	76.2	8.21744969	29.6781	83.85	0.95
16	1600	6	0.287	15.440	0.092	2.657	914.080	14.2	13.6769907	4.8533	13.98	0.91
17	1600	6	0.148	12.797	0.076	3.153	49.950	22.9	8.52654383	3.5113	10.13	0.54
18	1600	6	0.230	19.093	0.076	2.494	75.988	19.3	13.2667709	5.8078	16.72	0.98
19	1600	6	0.138	12.536	0.053	2.673	45.115	20.9	11.4090137	3.3920	9.78	1.14
note: isotope beams in mV rlsd = released, error in age includes 0.5% J error, all errors 1 sigma										Mean ± s.d. =	14.47	16.52
(Not corrected for decay)										wtd mean =	6.45	0.05

Allmendinger-Cornell, RWA2002-03, biotite, 7.90 mg, J = 0.001565 ± 0.5%

4 amu discrimination = 1.02339 ± 0.27%, 40/39K = 0.0002 ± 0.0003, 36/37Ca = 0.000278 ± 2.89%, 39/37Ca = 0.00067 ± 1.96%

step	T (C)	t (min.)	36Ar	37Ar	38Ar	39Ar	40Ar	%40Ar*	% 39Ar rlsd	Ca/K	40Ar*/39ArK	Age (Ma)	1s.d.
1	600	12	20.345	0.331	4.115	8.636	6392.59	8.1	0.7	0.13027157	60.1916	162.41	5.39
2	650	12	8.545	0.513	1.895	18.679	2692.06	8.4	1.6	0.09334546	12.0843	33.80	1.11
3	710	12	8.713	0.838	2.403	53.825	2718.44	7.5	4.5	0.05291565	3.7790	10.64	0.41
4	780	12	5.697	1.157	2.464	107.211	1861.88	11.7	8.9	0.03667888	2.0345	5.74	0.14
5	855	12	5.051	1.234	2.614	129.712	1708.75	14.7	10.8	0.03233378	1.9410	5.47	0.11
6	915	12	4.967	1.127	2.845	144.633	1698.37	15.6	12.0	0.02648361	1.8341	5.17	0.11
7	975	12	3.513	1.979	2.950	170.679	1294.81	21.7	14.2	0.03940834	1.6519	4.66	0.07
8	1025	12	1.770	10.899	2.598	173.678	759.264	33.1	14.4	0.2132981	1.4439	4.07	0.04
9	1075	12	1.181	19.592	3.017	214.482	622.196	46.0	17.8	0.31048867	1.3292	3.75	0.03
10	1120	12	0.598	6.606	2.278	162.665	384.245	55.9	13.5	0.13803199	1.3030	3.68	0.03
11	1170	12	0.110	3.515	0.268	18.333	55.389	46.8	1.5	0.65176977	1.2369	3.49	0.06
								Cumulative %39Ar rlsd =	100.0		Total gas age =	6.36	0.03
											no plateau		
											Isochron age =	3.49	0.04
											(steps 5-10)		

note: isotope beams in mV, rlsd = released, error in age includes 0.5% J error, all errors 1 sigma

(Not corrected for decay)