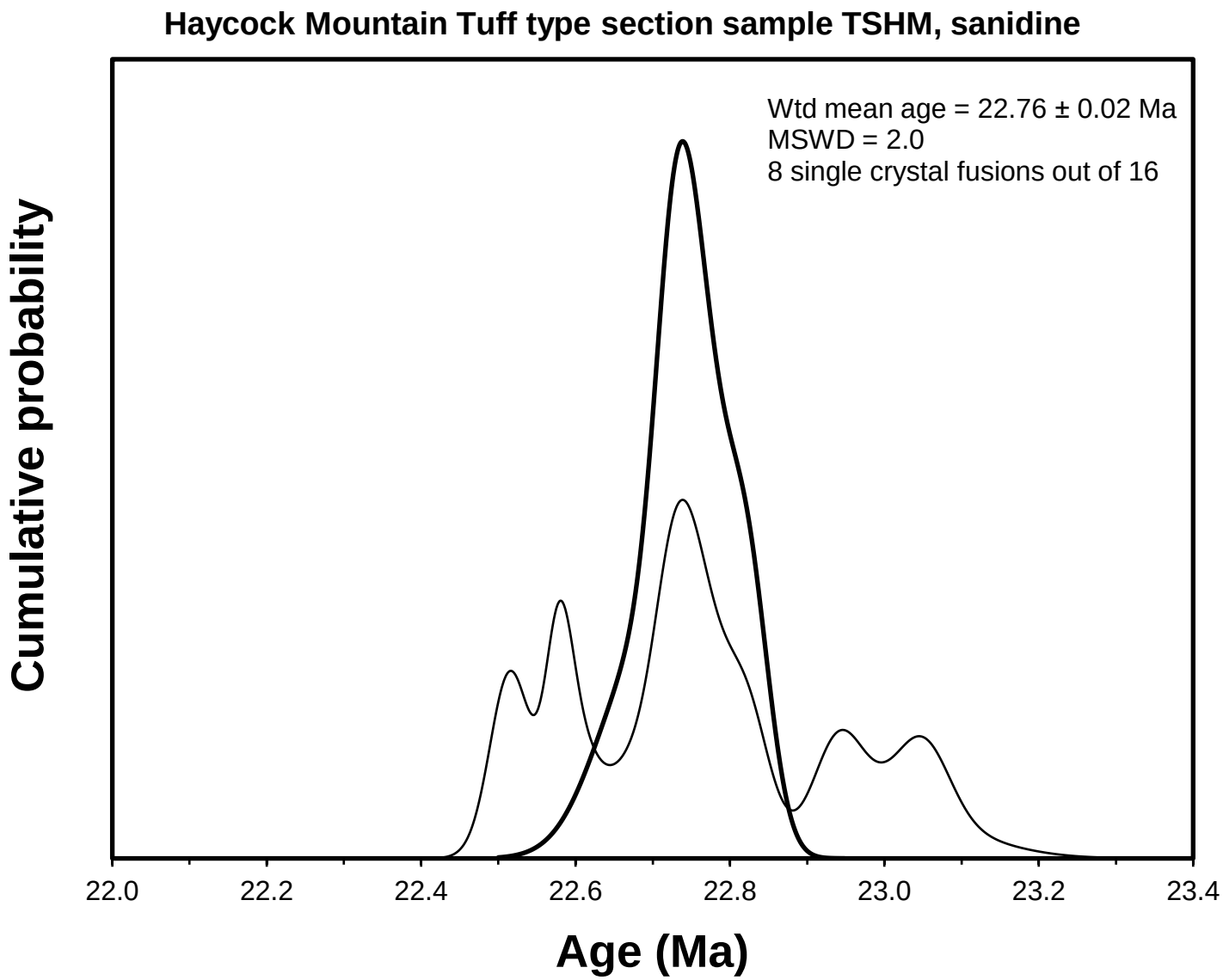
Filkorn-Pierce College, Haycock Mountain Tuff type section sample TSHM, Single Crystal Fusion, sanidine, J = 0.0017 ± 0.001%
4 amu discrimination = 0.8813 ± 0.01%, 40/39K = 0.0155 ± 22.60%, 36/37Ca = 0.000231 ± 0.77%, 39/37Ca = 0.000637 ± 0.33%

Crystal	T (C)	t (min.)	36Ar	37Ar	38Ar	39Ar	40Ar	%40Ar*	Ca/K	40Ar*/39ArK	Age (Ma)	1s.d.
1	1600	1	0.031	0.445	0.509	38.695	306.674	97.1	0.06651194	7.4080	22.58	0.02
2	1600	1	0.020	0.401	0.501	40.623	322.804	98.4	0.05709077	7.5275	22.94	0.03
3	1600	1	0.030	0.702	0.687	56.473	445.558	98.0	0.07189378	7.4562	22.72	0.03
4	1600	1	0.021	0.271	0.336	25.909	206.022	97.4	0.06049403	7.4387	22.67	0.06
5	1600	1	0.018	0.237	0.304	23.717	190.590	97.7	0.05779392	7.5391	22.98	0.06
6	1600	1	0.007	0.106	0.124	10.019	80.190	99.4	0.06118929	7.5649	23.05	0.09
7	1600	1	0.019	0.236	0.279	22.005	175.897	97.3	0.06202755	7.4661	22.75	0.03
8	1600	1	0.005	0.197	0.226	18.467	144.125	100.0	0.06169697	7.4813	22.80	0.03
9	1600	1	0.017	0.416	0.508	41.290	328.561	98.7	0.05826961	7.5642	23.05	0.03
10	1600	1	0.024	0.556	0.689	54.331	423.110	98.4	0.05918625	7.3866	22.51	0.02
11	1600	1	0.026	0.247	0.309	23.485	188.414	96.2	0.06082755	7.4136	22.60	0.03
12	1600	1	0.013	0.277	0.359	29.144	229.026	98.8	0.05496977	7.4635	22.75	0.03
13	1600	1	0.027	0.399	0.452	36.848	294.276	97.4	0.06262577	7.4899	22.83	0.03
14	1600	1	0.055	0.382	0.447	36.087	296.823	94.3	0.06122186	7.4648	22.75	0.04
15	1600	1	0.039	0.515	0.618	48.440	383.178	96.9	0.06148895	7.3889	22.52	0.03
16	1600	1	0.012	0.249	0.290	23.066	181.228	98.7	0.062434	7.4440	22.69	0.05
										Mean ± s.d. =	22.76	0.17
										Wtd mean age =	22.76	0.02

note: isotope beams in mV rlsd = released, error in age includes J error, all errors 1 sigma
(36Ar through 40Ar are measured beam intensities, corrected for decay in age calculations)

(8 single crystal fusions)
No isochron


Haycock Mountain Tuff type section sample TSHM, sanidine
Wtd mean age = 22.76 ± 0.02 Ma
MSWD = 2.0
8 single crystal fusions out of 16
Cumulative probability
22.0
22.2
22.4
22.6
22.8
23.0
23.2
23.4
Age (Ma)