

Table 4. Summary of AFT and ZFT data.

Sample code	grains	Spontaneous FT		U measurement		U standard		U [ppm]	ζ value [cm ² /yr]	Pooled FT age ± 1σ [Ma]	Cl [wt%]
		ρ _s	N _s	ρ _U	N _U	ρ _{U-std}	N _{U-std}				
		[10 ⁶ cm ⁻²]		[10 ⁹ cm ⁻²]		[10 ⁹ cm ⁻²]					
Zircon											
HJG1-F	30	4.37	970	18.30	4,230,785	5.279	47,513	291	42.5 ± 1.2	25.7 ± 1.2	-
HJG1-0–5cm	30	7.36	1,986	16.90	4,554,139	5.279	47,513	268	42.5 ± 1.2	48.7 ± 1.9	-
HJG1-5–10cm	30	6.43	1,735	22.10	5,954,473	4.971	44,741	373	42.5 ± 1.2	30.7 ± 1.2	-
HJG1-0m	28	4.77	1,164	5.59	1,367,571	1.333	15,697	352	46.8 ± 1.0	26.5 ± 1.2	-
HJG1-1m	30	6.47	1,657	6.35	1,619,317	1.430	16,835	373	46.8 ± 1.0	34.1 ± 1.4	-
HJG1-3m	30	5.51	1,389	6.08	1,511,646	1.359	16,006	376	46.8 ± 1.0	29.2 ± 1.3	-
HJG1-10m	30	5.10	1,335	6.15	1,596,112	1.345	15,835	384	46.8 ± 1.0	26.3 ± 1.1	-
HJG1-20m	30	4.15	1,192	5.13	1,461,429	1.356	15,972	318	46.8 ± 1.0	25.8 ± 1.2	-
HJG2-F	30	7.69	2,076	21.40	5,766,492	4.971	44,741	361	42.5 ± 1.2	37.9 ± 1.5	-
HJG2-0–5cm	30	6.75	1,822	20.10	5,431,976	4.783	43,043	353	42.5 ± 1.2	34.0 ± 1.3	-
HJG2-5–10cm	30	8.97	2,422	20.90	5,655,631	4.783	43,043	368	42.5 ± 1.2	43.4 ± 1.6	-
HJG2-0m	30	4.23	1,121	5.55	1,440,745	1.345	15,842	347	46.8 ± 1.0	24.5 ± 1.1	-
HJG2-1m	30	4.20	1,108	4.55	1,188,763	1.341	15,791	285	46.8 ± 1.0	29.2 ± 1.4	-
HJG2-3m	30	3.90	1,111	5.02	1,367,704	1.349	15,883	313	46.8 ± 1.0	25.6 ± 1.2	-
HJG2-10m	30	4.52	1,312	4.62	1,301,212	1.320	15,540	294	46.8 ± 1.0	31.1 ± 1.4	-
HJG3-Upb	36	3.10	1,733	23.30	12,849,644	5.022	45,194	390	48.6 ± 2.2	16.4 ± 0.8	-
HJG4-0m	30	3.78	993	5.05	1,323,100	1.369	16,116	310	46.8 ± 1.0	24.0 ± 1.1	-
HJG4-1m	30	4.67	1,229	4.97	1,307,709	1.299	15,299	322	46.8 ± 1.0	28.5 ± 1.3	-
HJG4-3m	30	5.60	1,293	6.33	1,405,870	1.238	14,581	429	46.8 ± 1.0	26.6 ± 1.2	-
HJG4-10m	30	5.41	1,559	6.14	1,743,630	1.186	13,967	435	46.8 ± 1.0	24.8 ± 1.0	-
Apatite											
HJG1-0–5cm	29	0.228	82	3.94	1,416,827	1.616	14,541	34	253 ± 18	11.8 ± 1.6	0.22
HJG1-5–10cm	28	0.194	70	2.49	897,322	1.511	13,599	23	253 ± 18	14.9 ± 2.1	0.15
HJG1-0m	36	0.182	103	0.65	370,749	0.3119	3,820	29	254 ± 18	11.0 ± 1.5	0.16
HJG1-1m	36	0.201	164	0.90	718,624	0.3119	3,820	40	254 ± 18	9.0 ± 1.0	0.24
HJG1-3m	36	0.187	161	0.74	640,728	0.3119	3,820	33	254 ± 18	9.9 ± 1.1	0.15
HJG1-10m	30	0.174	129	0.66	481,343	0.3225	3,951	29	254 ± 18	11.0 ± 1.3	0.14
HJG1-20m	30	0.274	194	0.12	824,188	0.3225	3,951	52	254 ± 18	9.6 ± 1.0	0.29
HJG2-F2	30	0.244	88	2.32	834,729	0.9654	8,688	34	253 ± 18	12.9 ± 1.7	0.11
HJG2-0–5cm	30	0.253	91	2.03	732,329	0.6609	5,948	43	253 ± 18	10.4 ± 1.4	0.21
HJG2-5–10cm	30	0.208	75	0.65	234,188	0.3685	3,317	25	253 ± 18	14.9 ± 2.2	0.57
HJG2-0m	30	0.359	255	0.12	868,650	0.3225	3,951	51	254 ± 18	12.0 ± 1.2	0.31
HJG2-1m	30	0.246	170	0.94	639,748	0.3169	3,883	41	254 ± 18	10.7 ± 1.2	0.36
HJG2-3m	30	0.203	132	0.70	430,783	0.3169	3,883	31	254 ± 18	12.3 ± 1.5	0.64
HJG2-10m	30	0.187	125	0.82	517,618	0.3169	3,883	36	254 ± 18	9.7 ± 1.2	0.33
HJG3-Upb	30	0.0187	14	0.23	174,686	1.674	20,512	2	262 ± 24	17.5 ± 5.1	0.004
HJG4-0m	18	0.272	68	0.10	283,953	0.3104	3,803	46	254 ± 18	9.4 ± 1.4	0.14
HJG4-1m	30	0.123	82	0.44	272,067	0.3104	3,803	20	254 ± 18	11.9 ± 1.7	0.14
HJG4-3m	30	0.202	134	0.79	514,705	0.3104	3,803	36	254 ± 18	10.2 ± 1.2	0.71
HJG4-10m	30	0.242	177	0.88	605,794	0.3104	3,803	40	254 ± 18	11.5 ± 1.3	0.23