

Table 10. Data from fission-track analyses of zircons from the Kiowa #1 core

Depth (ft)	Zircon Formation	Zircon mount #	Etch time (hrs)	Total grains examined	Number of metamict grains	Number of overetched grains	Number of underetched grains	Number of datable grains	% metamict	% volcanic
236.5 - 237.2	D2	1/2	7	48	33	1	2	12	69	2
564.6- 565.1	D1	1/2	6	48	32	3	4	9	68	1
		3	16	29	20	2	6	1		
		4	27	29	20	3	1	5		
685.9- 686.6	D1	1	8	109	36	35	12	26	48	2
		2	not examined							
		3	30	91	59	9	0	23		
		4	2	25	13	6	4	2		
848.6- 848.9	D1	1/2	17	7	3	1	0	3	43	28
1062.5- 1063	D1	1/2	25	18	1	5	1	11	5	17
1199.7- 1200.2	D1	1/2	18	57	23	14	2	18	34	17
		3	24	74	20	21	11	22		
		4	30	45	17	8	0	20		
1394.4- 1395.2	D1	1/2	27	30	19	5	0	6	46	2
		3	4	70	21	15	21	13		
		4	16	64	35	11	4	14		
1633- 1633.3	Arapahoe	1/2	5	2	2	0	0	0	26	4
		3	30	22	5	4	3	10		
		4	18	25	6	2	12	5		
1715.5- 1715.8	Laramie	1/2	11	36	8	7	6	7	22	0
1864- 1864.5	Fox Hills				no zircon					
2076.4- 2076.6	Fox Hills- Pierre transition	1/2	9	71	30	14	10	17	46	5
		3	12	60	28	13	9	10		
		4	24	32	17	4	4	7		