Table 13. $^{40}Ar/^{39}Ar$ analytical data for TF9912A and 92-O-33, tuffs from the Denver Basin. Numbers in bold represent the unweighted mean age and the error of the mean at the 95% confidence level, including error in J. These ages were used to constrain the interpretation of the paleomagnetic data.

Sample	Lab. No.	J	No. grains	$^{40}Ar/^{39}Ar$	$^{38}Ar/^{39}Ar$	$^{37}Ar/^{39}Ar$	$^{36}Ar/^{39}Ar$	K/Ca	% Rad	$^{39}Ar^*/^{39}Ar$	Age (Ma) ± 1 sigma
TF9912A	00Z0169	0.006994	1	5.26009	0.013232	0.02301	0.000182	21.3	98.85	5.19943	64.44 ± 0.44
JD031	00Z0170		1	5.28249	0.013204	0.023546	0.000392	20.81	97.67	5.15974	63.95 ± 0.47
	00Z0171		1	5.23984	0.013099	0.017221	0.000248	28.45	98.46	5.15923	63.95 ± 0.32
	00Z0172		1	5.22492	0.013059	0.022199	0.000147	22.07	99.03	5.1743	64.13 ± 0.31
	00Z0173		1	5.19693	0.013063	0.022105	0.000113	22.17	99.22	5.15658	63.92 ± 0.31
	00Z0174		1	5.22114	0.013236	0.020839	0.000143	23.51	99.05	5.17162	64.10 ± 0.31
	00Z0175		1	5.20714	0.013421	0.020063	0.000001	24.42	99.86	5.19974	64.44 ± 0.41
											64.13 ± 0.21
92-O-33	93Z0740	0.007691	8	4.78809	0.013631	0.014751	0.000019	33.22	99.71	4.77446	65.06 ± 0.22
JDO13	93Z0741		8	4.78268	0.013459	0.015008	0.000043	32.65	99.57	4.76218	64.89 ± 0.21
	93Z0742		8	4.80419	0.017506	0.02111	0.000064	23.21	99.45	4.778	65.10 ± 0.24
	93Z0743		7	4.79212	0.013613	0.015325	0.000023	31.97	99.7	4.77761	65.10 ± 0.23
	93Z0745		11	4.78448	0.013807	0.01919	0.000021	25.5	99.71	4.77086	65.01 ± 0.21
											65.03 ± 0.26

Reactor Corrections

$(^{40}Ar/^{39}Ar)_{K} = 0.0086$

$(^{36}Ar/^{37}Ar)_{Ca} = 0.000266$

$(^{39}Ar/^{37}Ar)_{Ca} = 0.00068$

Decay constants for ^{40}K

$\lambda_{\varepsilon} + \lambda_{\varepsilon'} = 0.581 \times 10^{-10}$ yr^{-1}

$\lambda_{\beta} = 4.962 \times 10^{-10}$ yr^{-1}

K/K = 1.167×10^{-4} atom/atom