Table 1.

Ar/Ar data and constants used in age calculations.

Sample: NM-791						**Lab #**: 61311			**J**: 4.84E-03 ±8.08E-07				**IC**[1]: 1.000 ±0.0000						
Material: Sanidine						**IGSN**:													
	N	Power	^{40}Ar	^{40}Ar	± 1σ	^{39}Ar	± 1σ	^{38}Ar	± 1σ	^{37}Ar	± 1σ	^{36}Ar	± 1σ	$\%^{40}Ar^*$	$^{40}Ar^*/^{39}Ar_K$	Age	± 1σ	K/Ca	± 1σ
		(%)		(10^3 fA)		(10^3 fA)							(10^{-2} fA)			(Ma)			
	01	---	0.00100	0.44873	0.13066	0.13846	0.04379	1.74974	0.02651	0.36663	0.02338	0.00181	0.04423	99.6	3.22815	27.99	0.0152	72.88	4.65
				0.00153	*0.12000*	*2.86E-05*	*0.02700*	*-0.00080*	*0.01900*	*0.02530*	*0.01500*	*0.58550*	*0.00037*						
Weighted Mean Age																27.98830	±0.01524		

IC Factor[1]: H1/CDD intercalibration

Constants used

Atmospheric argon ratios

$(^{40}Ar/^{36}Ar)_A$	295.5 ±0.5	Nier (1950)
$(^{40}Ar/^{36}Ar)_A$	295.5 ±0.5	Nier (1950)
$(^{40}Ar/^{38}Ar)_A$	0.188 ±0.5	Nier (1950)
$(^{40}Ar/^{38}Ar)_A$	0.188 ±0.5	Nier (1950)

Interferring isotope production ratios

$(^{40}Ar/^{39}Ar)_K$	295.5 ±0.5	Nier (1950)
$(^{38}Ar/^{39}Ar)_K$	0.188 ±0.5	Nier (1950)
$(^{37}Ar/^{39}Ar)_K$	0.188 ±0.5	Nier (1950)
$(^{39}Ar/^{37}Ar)_{Ca}$	295.5 ±0.5	Nier (1950)
$(^{38}Ar/^{37}Ar)_{Ca}$	0.188 ±0.5	Nier (1950)
$(^{36}Ar/^{37}Ar)_{Ca}$	0.188 ±0.5	Nier (1950)

Decay constants

$^{40}K\ \lambda\varepsilon$	1 ±0 a^{-1}	Foo (1990)
$^{40}K\ \lambda\beta$	1 ±0 a^{-1}	Foo (1990)
^{39}Ar	1 ±0 a^{-1}	Foo (1990)
^{37}Ar	1 ±0 a^{-1}	Foo (1990)