

Some rocks of known age have been inaccurately assessed using the K-Ar method.
For example:

SITE	ROCK TYPE	DATE OF FORMATION	K-Ar ASSESSED AGE
Hualalai (Hawaii)	Basalt	AD 1800-1801	1.6 million years old
Mt Etna (Sicily)	Basalt	122 BC	0.25 million years old
Mt Etna (Sicily)	Basalt	AD 1792	0.35 million years old
Mt Lassen (California)	Plagioclase	AD 1915	0.11 million years old
Sunset Crater (Arizona)	Basalt	AD 1064-1065	0.27 million years old

[G.B. Dalrymple, *Earth and Planetary Sciences Letters*, Vol. 6, p:47-55 1969]

The ten year old rock from Mt St Helens was given the following estimated ages:-

Mineral Sample	⁴⁰K [ppm]	⁴⁰Ar [ppm]	Calculated Age [million years]
Whole rock	1.102	0.0000225	0.35 ±0.05
Feldspar-glass	1.250	0.0000250	0.34 ±0.06
Heavy magnetic	0.693	0.0000370	0.90 ±0.20
Heavy non-magnetic	0.555	0.0000540	1.70 ±0.30
Pyroxene	0.533	0.0000870	2.80 ±0.60

Dr Steven A. Austin (PhD), Professor of Geology reporting in *CEN Tech. J.*, Vol. 10, No. 3, 1996 p:335-343