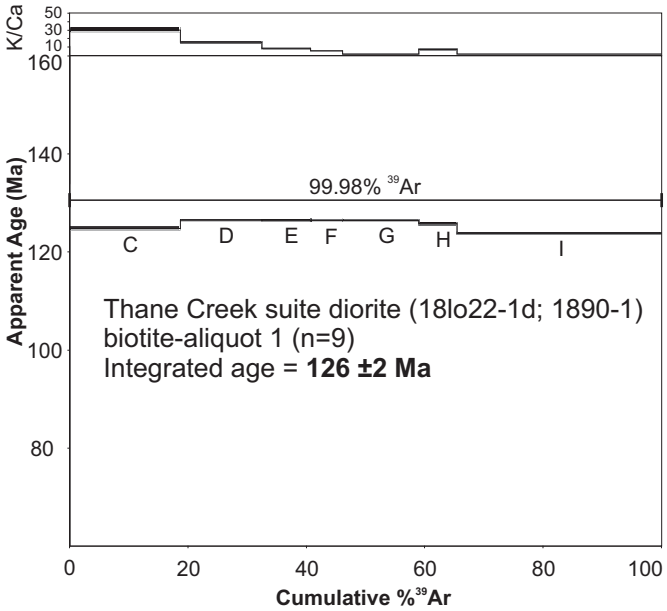
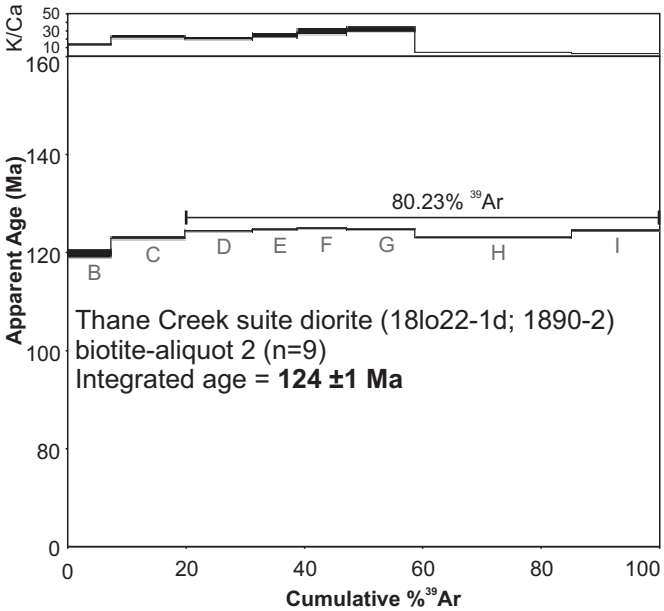
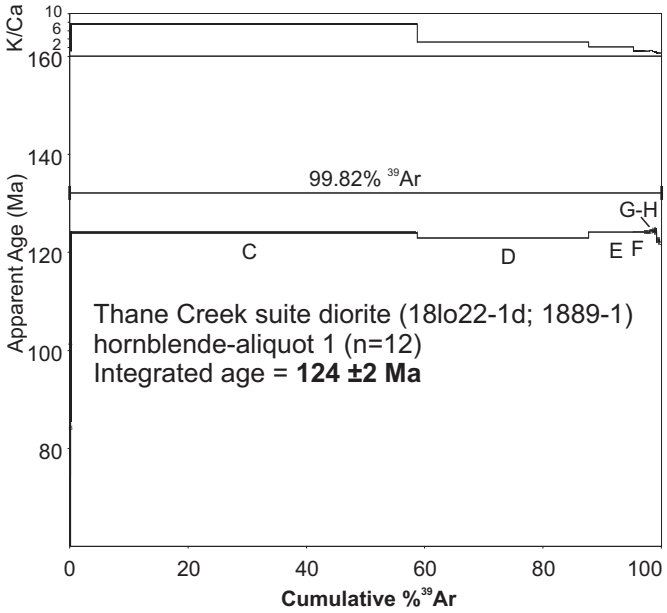
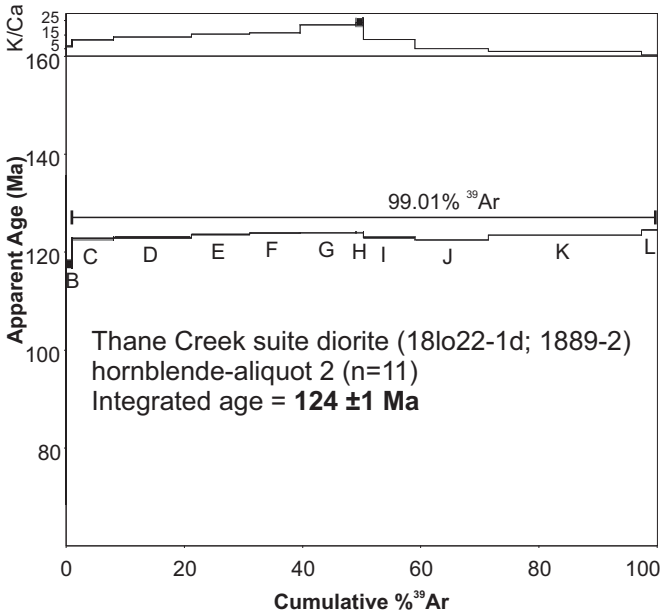
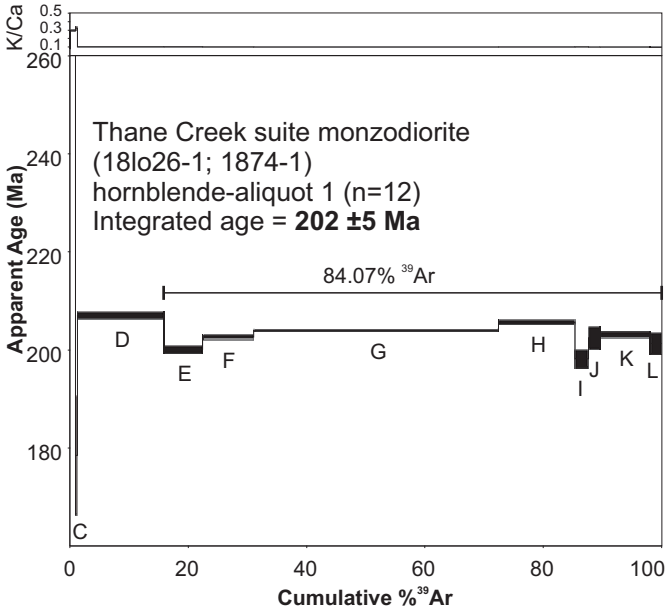
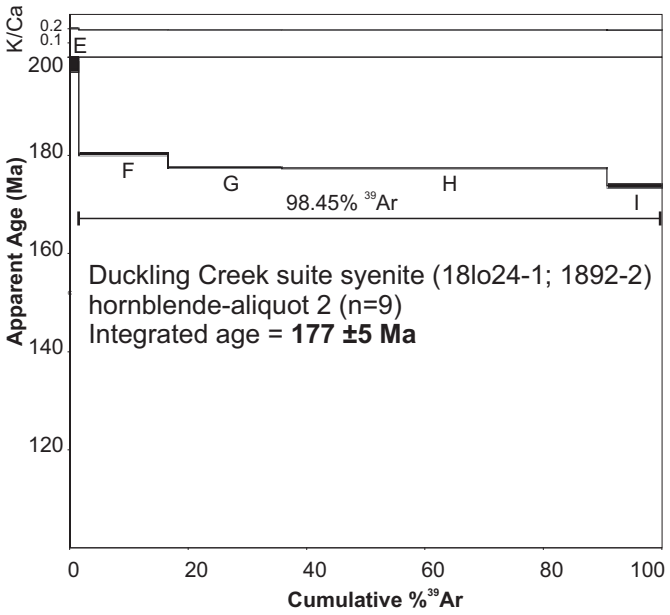

K/Ca
Apparent Age (Ma)
99.98% 39Ar
C D E F G H I
Thane Creek suite diorite (18lo22-1d; 1890-1)
biotite-aliquot 1 (n=9)
Integrated age = 126 ±2 Ma
Cumulative %39Ar

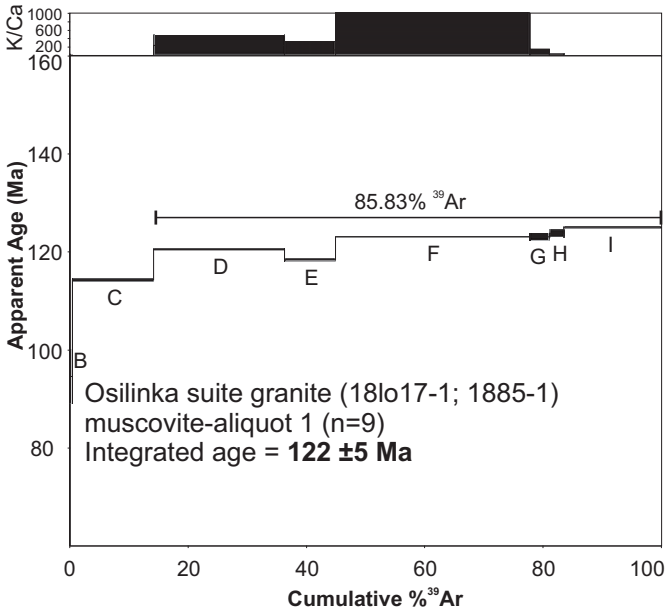

K/Ca
Apparent Age (Ma)
80.23% 39Ar
B C D E F G H I
Thane Creek suite diorite (18lo22-1d; 1890-2)
biotite-aliquot 2 (n=9)
Integrated age = 124 ±1 Ma
Cumulative %39Ar

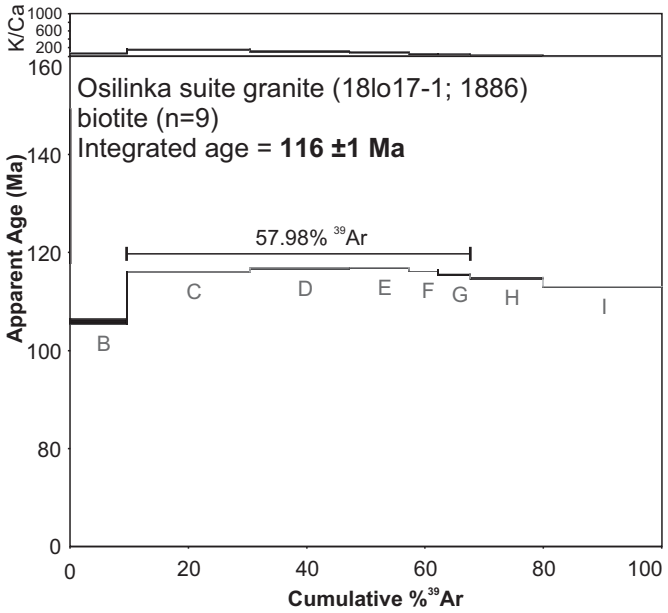

K/Ca
Apparent Age (Ma)
99.82% 39Ar
C D E F G-H
Thane Creek suite diorite (18lo22-1d; 1889-1)
hornblende-aliquot 1 (n=12)
Integrated age = 124 ±2 Ma
Cumulative %39Ar

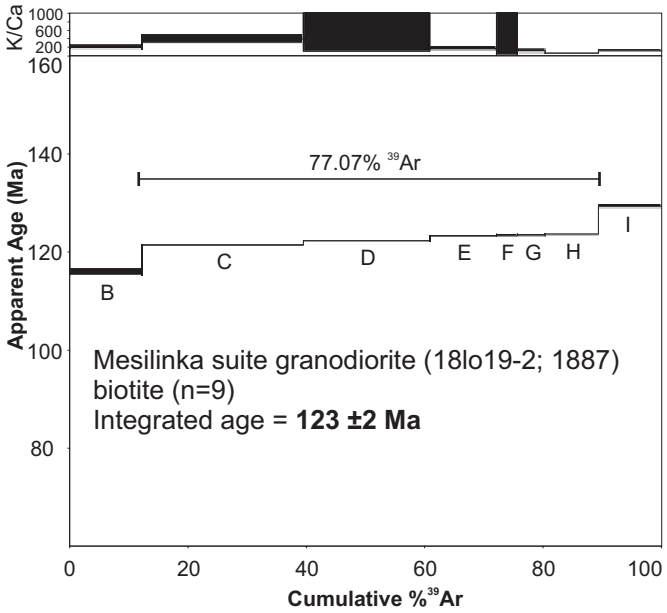

K/Ca
Apparent Age (Ma)
99.01% 39Ar
B C D E F G H I J K L
Thane Creek suite diorite (18lo22-1d; 1889-2)
hornblende-aliquot 2 (n=11)
Integrated age = 124 ±1 Ma
Cumulative %39Ar

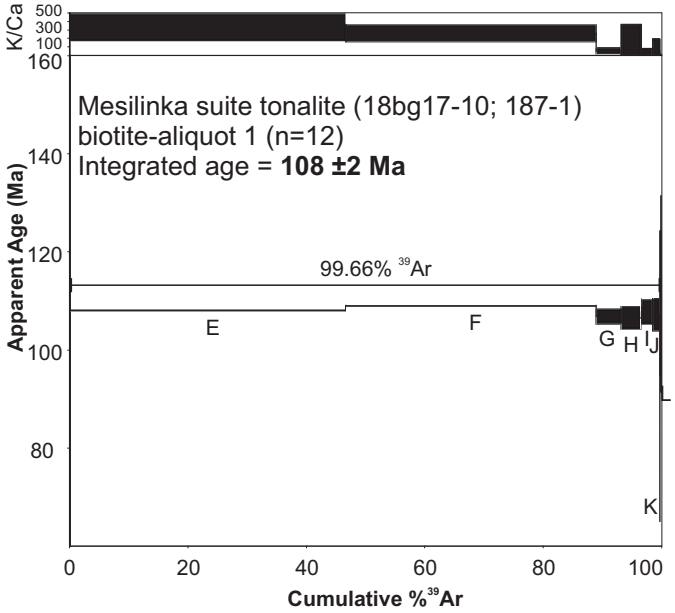

K/Ca
Apparent Age (Ma)
Thane Creek suite monzodiorite
(18lo26-1; 1874-1)
hornblende-aliquot 1 (n=12)
Integrated age = 202 ±5 Ma
84.07% 39Ar
C D E F G H I J K L
Cumulative %39Ar

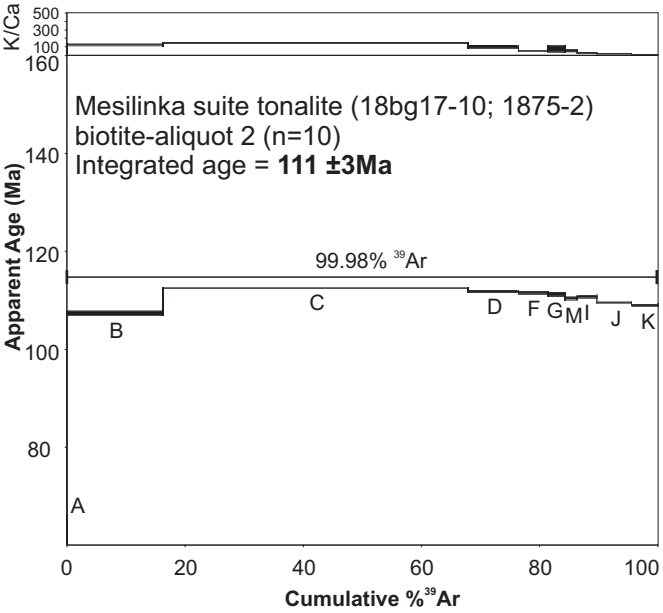

K/Ca
0.2
0.1
E
200
180
F
G
H
98.45% 39Ar
I
160
140
120
Apparent Age (Ma)
Duckling Creek suite syenite (18lo24-1; 1892-2)
hornblende-aliquot 2 (n=9)
Integrated age = 177 ±5 Ma
0
20
40
60
80
100
Cumulative %39Ar

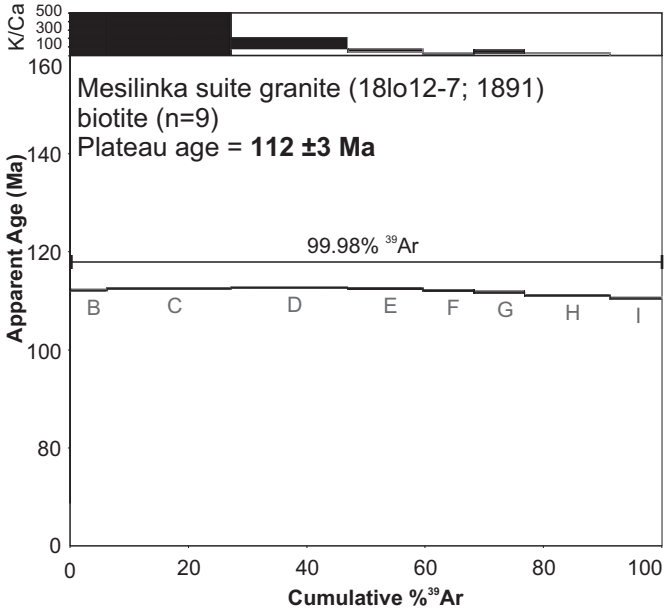

K/Ca
1000
600
200
160
140
120
100
80
Apparent Age (Ma)
85.83% 39Ar
B
C
D
E
F
G
H
I
Osilinka suite granite (18lo17-1; 1885-1)
muscovite-aliquot 1 (n=9)
Integrated age = 122 ±5 Ma
0
20
40
60
80
100
Cumulative %39Ar


K/Ca
1000
600
200
160
140
120
100
80
0
Apparent Age (Ma)
Osilinka suite granite (18lo17-1; 1886)
biotite (n=9)
Integrated age = 116 ±1 Ma
57.98% 39Ar
B
C
D
E
F
G
H
I
0
20
40
60
80
100
Cumulative %39Ar


K/Ca
1000
600
200
160
140
120
100
80
Apparent Age (Ma)
77.07% 39Ar
B
C
D
E
F
G
H
I
Mesilinka suite granodiorite (18lo19-2; 1887)
biotite (n=9)
Integrated age = 123 ±2 Ma
0
20
40
60
80
100
Cumulative %39Ar


K/Ca
500
300
100
160
140
120
100
80
Apparent Age (Ma)
Mesilinka suite tonalite (18bg17-10; 187-1)
biotite-aliquot 1 (n=12)
Integrated age = 108 ±2 Ma
99.66% 39Ar
E
F
G
H
I
J
K
0
20
40
60
80
100
Cumulative %39Ar


K/Ca
500
300
100
160
140
120
100
80
Apparent Age (Ma)
Mesilinka suite tonalite (18bg17-10; 1875-2)
biotite-aliquot 2 (n=10)
Integrated age = 111 ±3Ma
99.98% 39Ar
A
B
C
D
F
G
M
I
J
K
0
20
40
60
80
100
Cumulative %39Ar


K/Ca
500
300
100
160
140
120
100
80
0
Apparent Age (Ma)
Mesilinka suite granite (18lo12-7; 1891)
biotite (n=9)
Plateau age = 112 ±3 Ma
99.98% 39Ar
B
C
D
E
F
G
H
I
0
20
40
60
80
100
Cumulative %39Ar