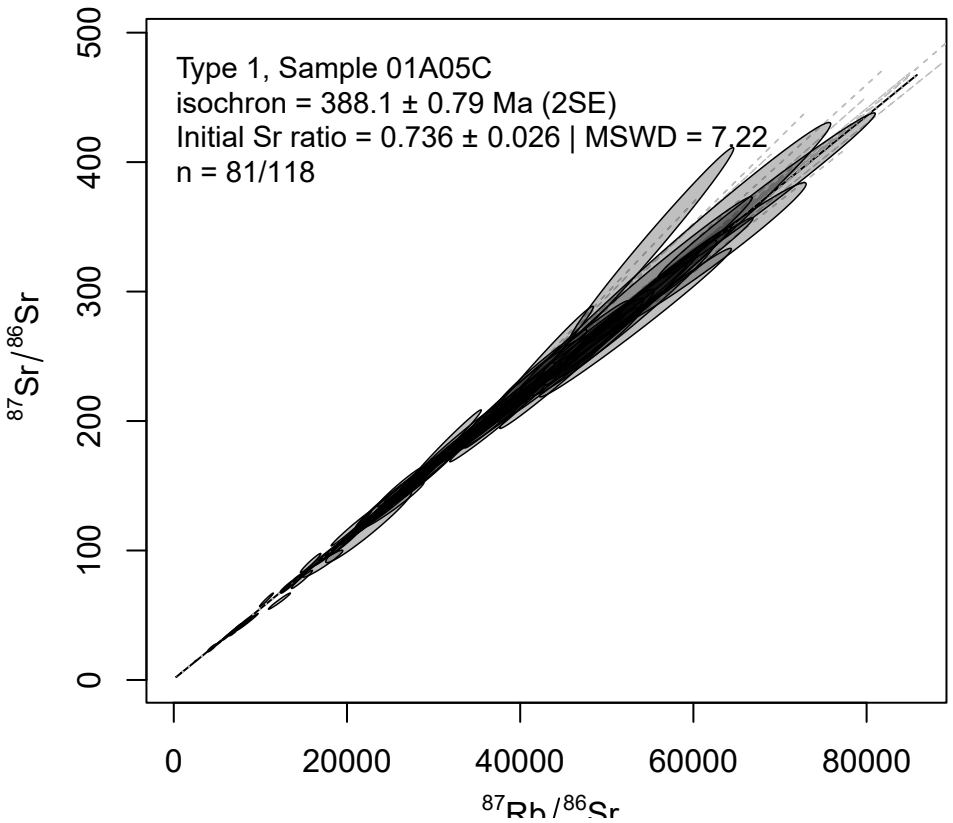
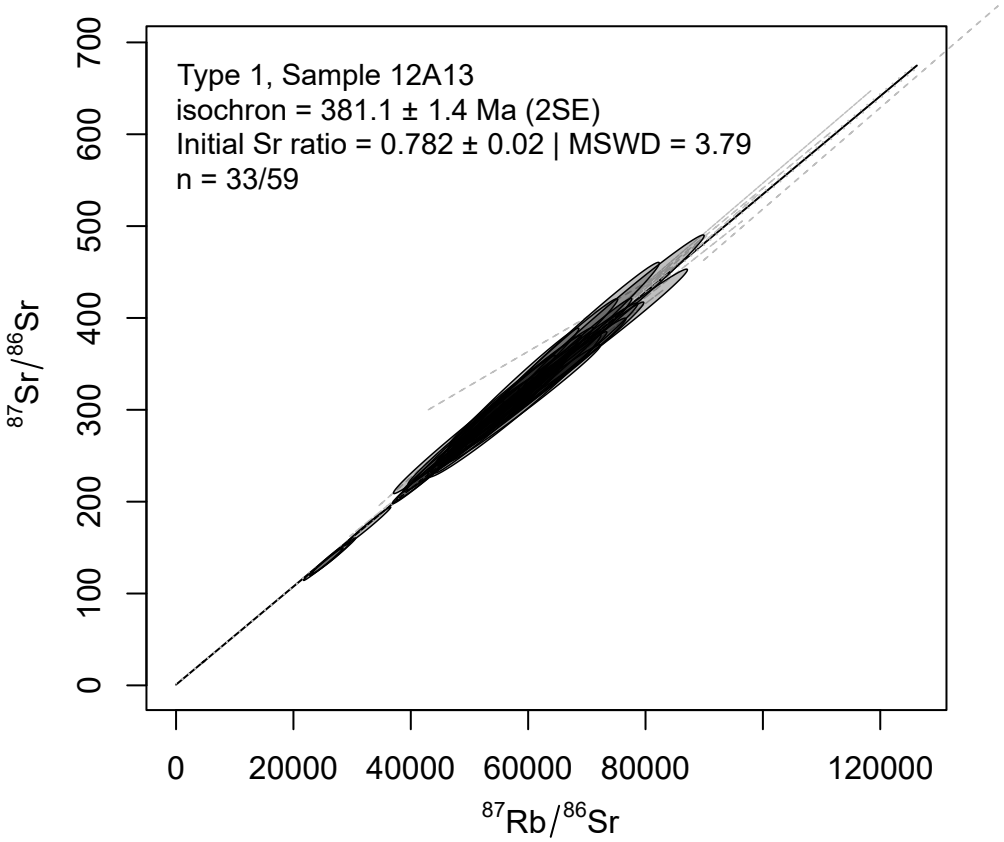
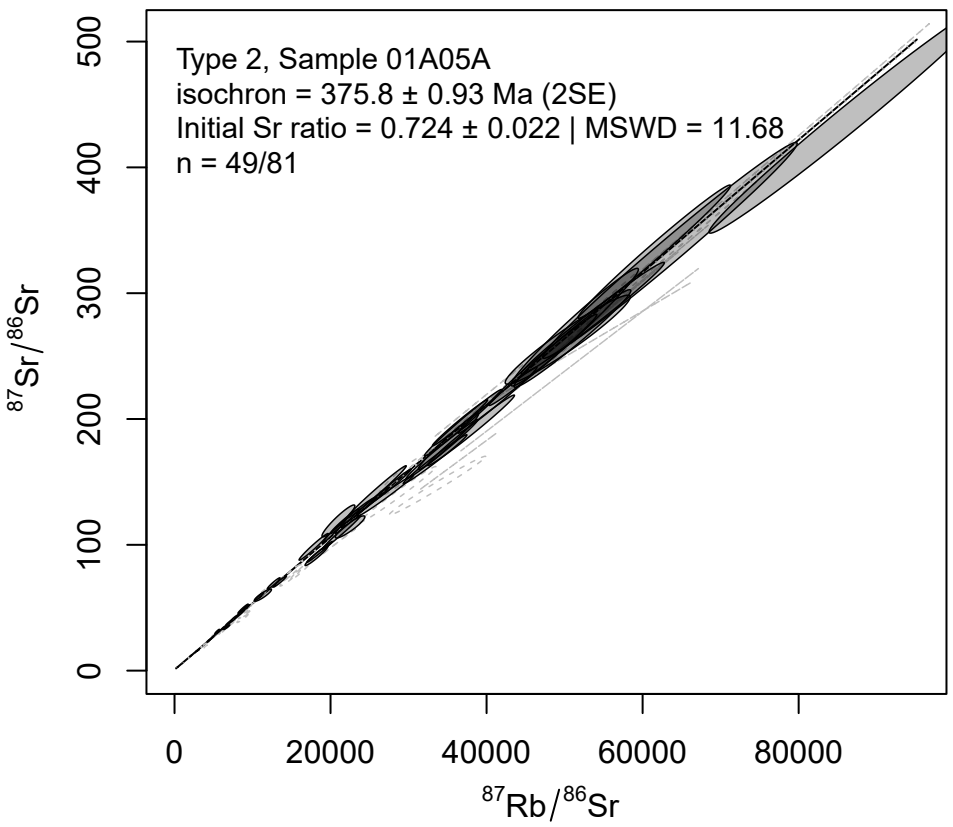
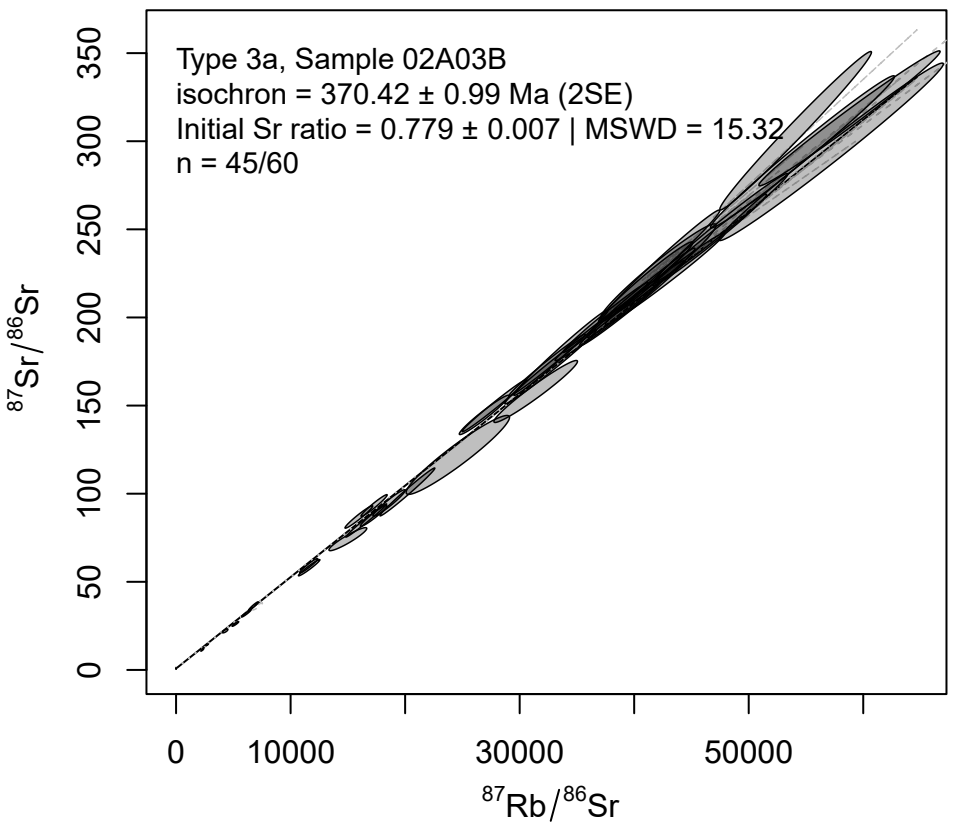
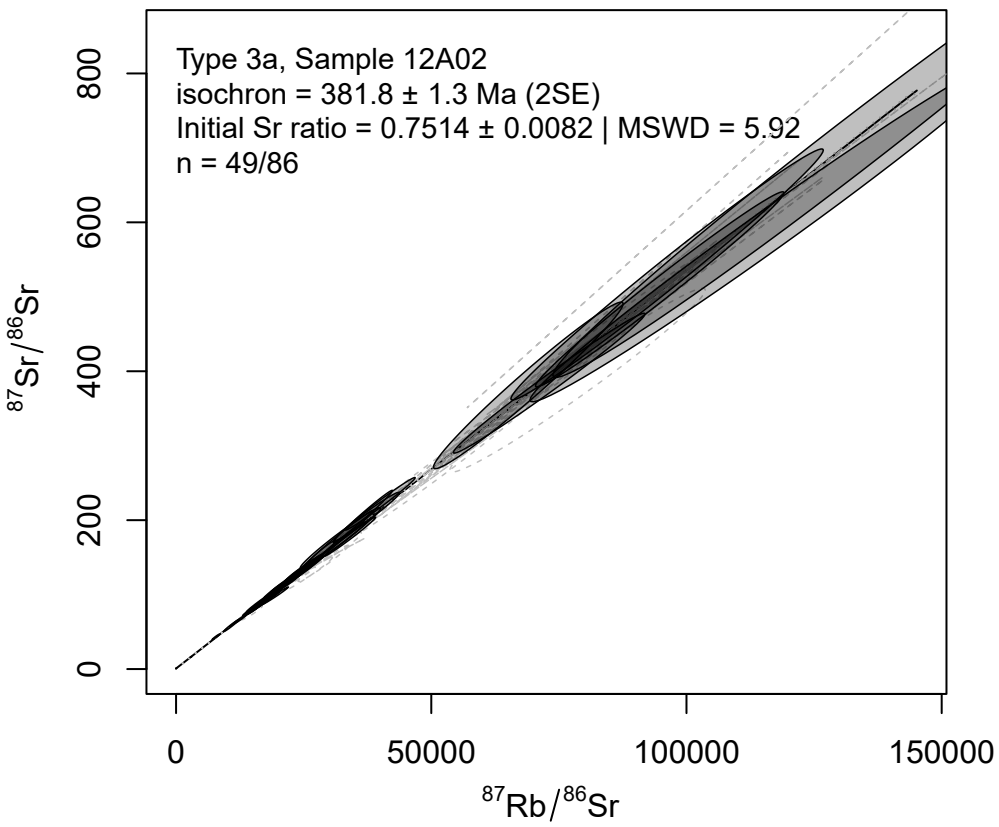
Appendix H: $^{87}Rb/^{87}Sr$ York Isochrons

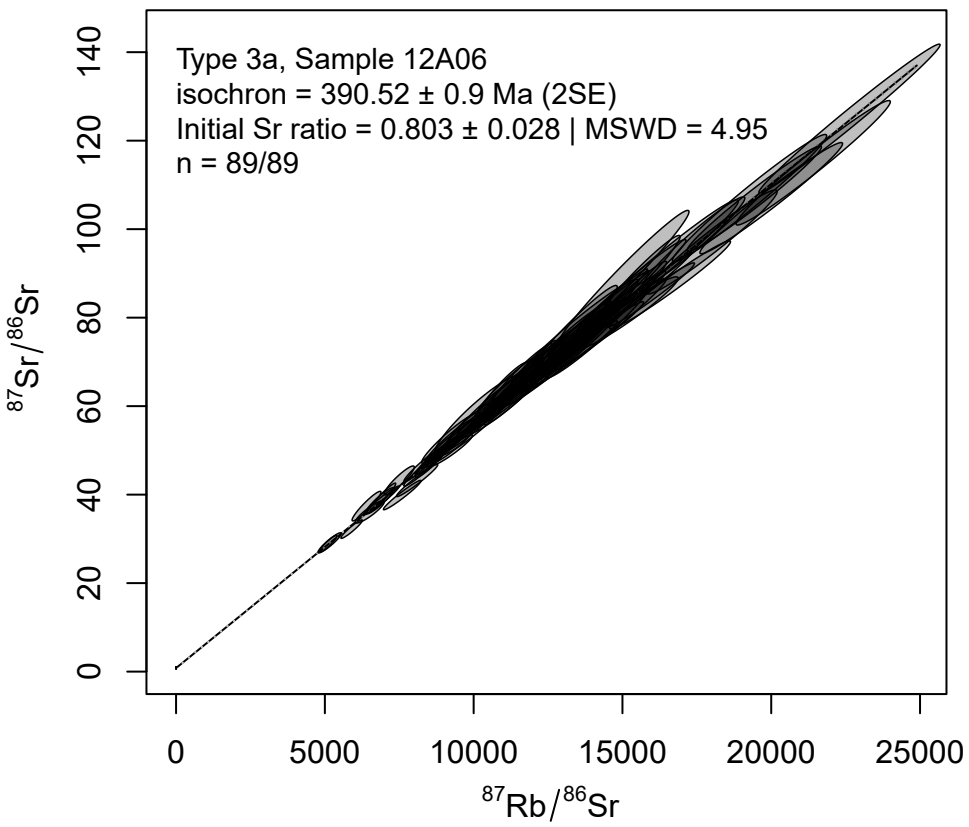


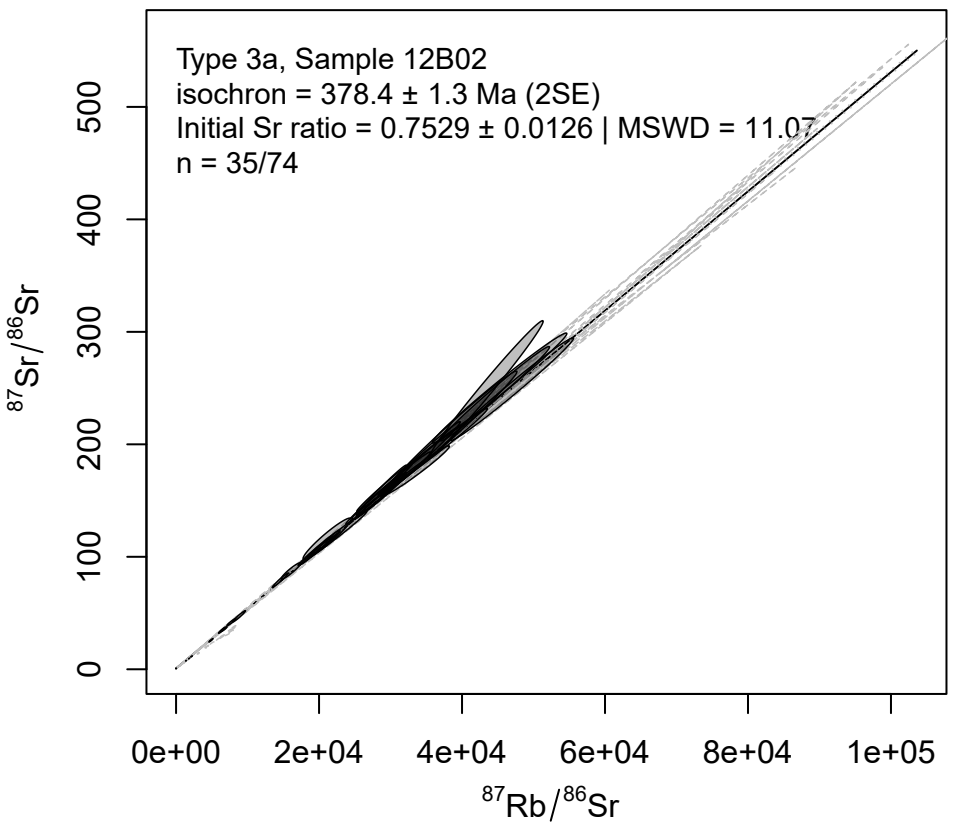


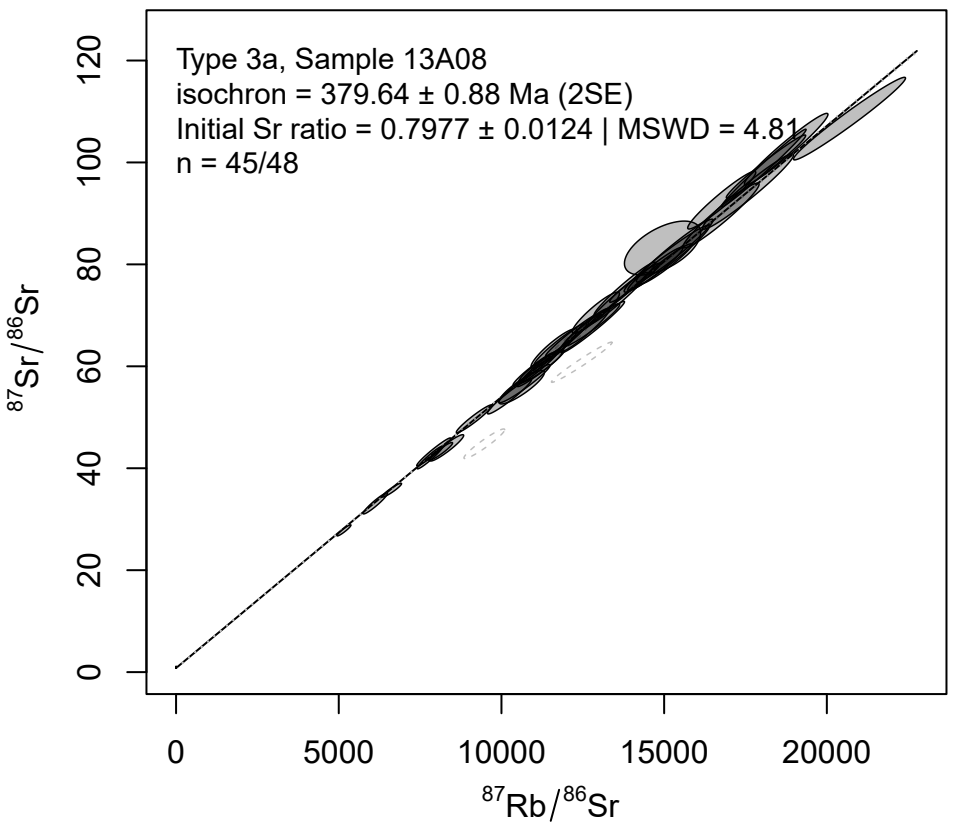

Type 2, Sample 01A05A
isochron = 375.8 ± 0.93 Ma (2SE)
Initial Sr ratio = 0.724 ± 0.022 | MSWD = 11.68
n = 49/81
87Sr/86Sr
87Rb/86Sr
0
100
200
300
400
500
0
20000
40000
60000
80000

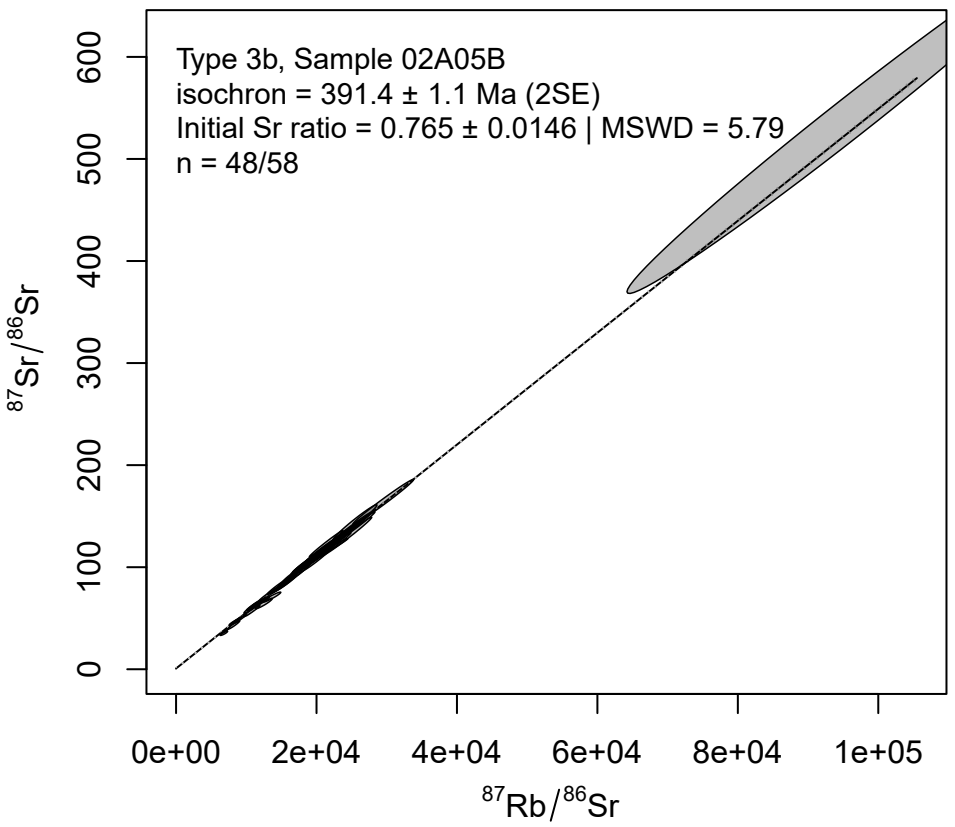

Type 3a, Sample 02A03B
isochron = 370.42 ± 0.99 Ma (2SE)
Initial Sr ratio = 0.779 ± 0.007 | MSWD = 15.32
n = 45/60
87Sr/86Sr
87Rb/86Sr
0
50
100
150
200
250
300
350
0
10000
30000
50000

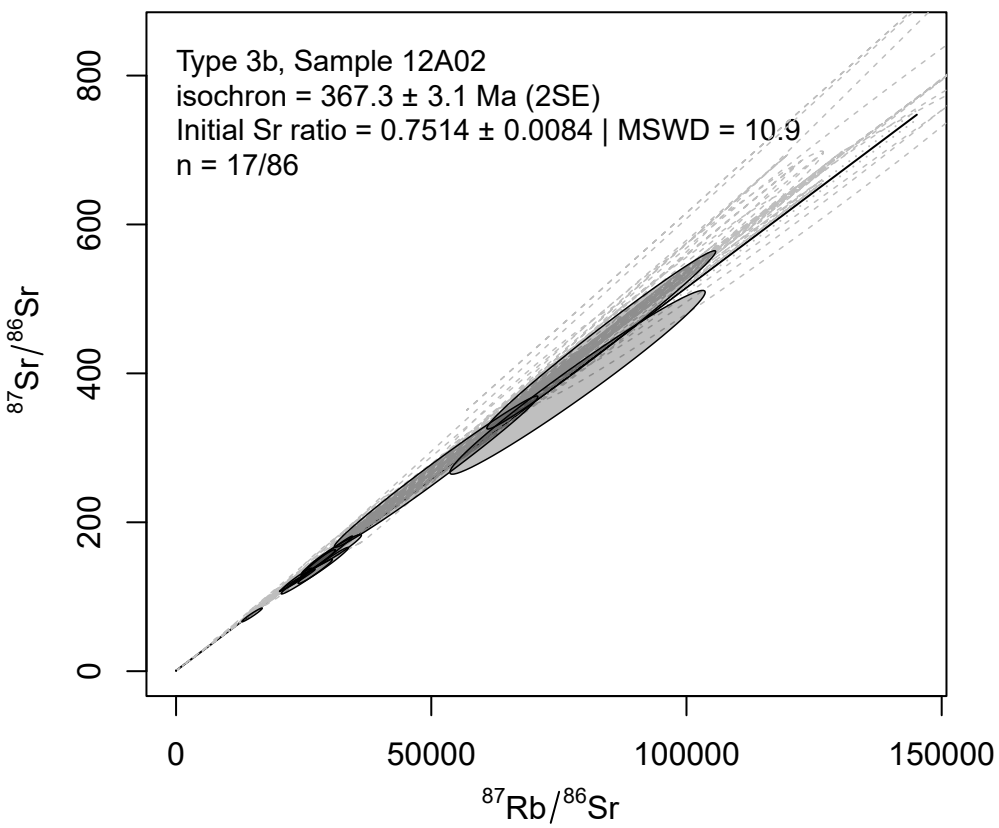

Type 3a, Sample 12A02
isochron = 381.8 ± 1.3 Ma (2SE)
Initial Sr ratio = 0.7514 ± 0.0082 | MSWD = 5.92
n = 49/86
87Sr/86Sr
87Rb/86Sr
0
200
400
600
800
0
50000
100000
150000

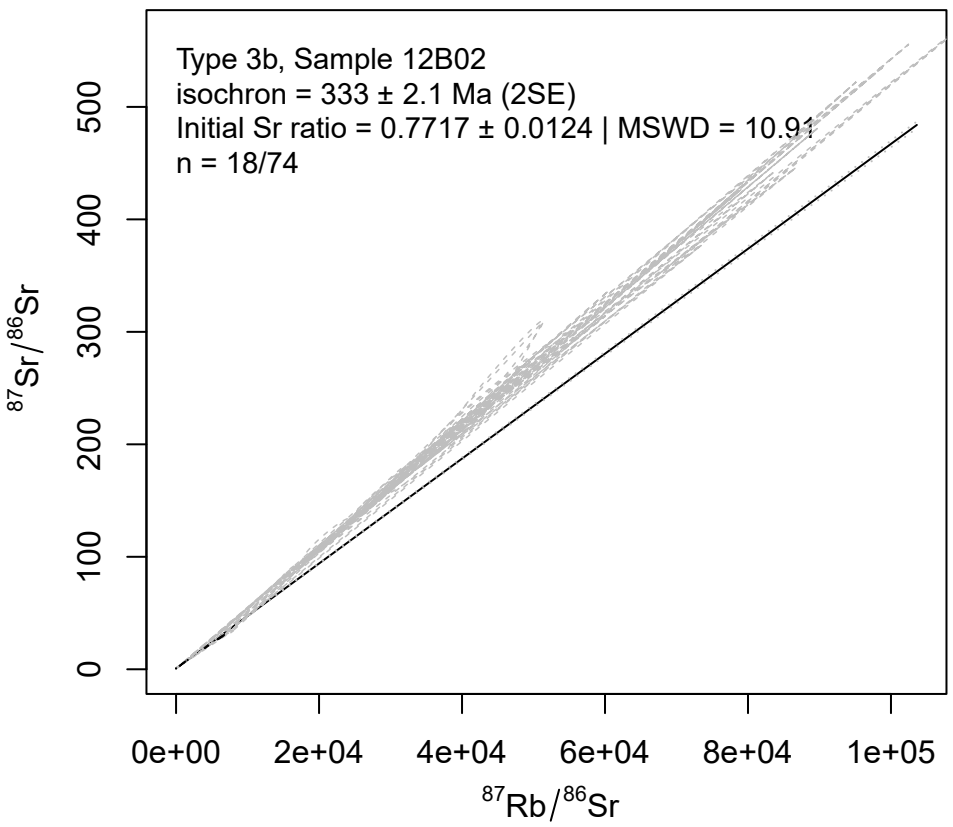

Type 3a, Sample 12A06
isochron = 390.52 ± 0.9 Ma (2SE)
Initial Sr ratio = 0.803 ± 0.028 | MSWD = 4.95
n = 89/89
87Sr/86Sr
87Rb/86Sr
0
20
40
60
80
100
120
140
0
5000
10000
15000
20000
25000

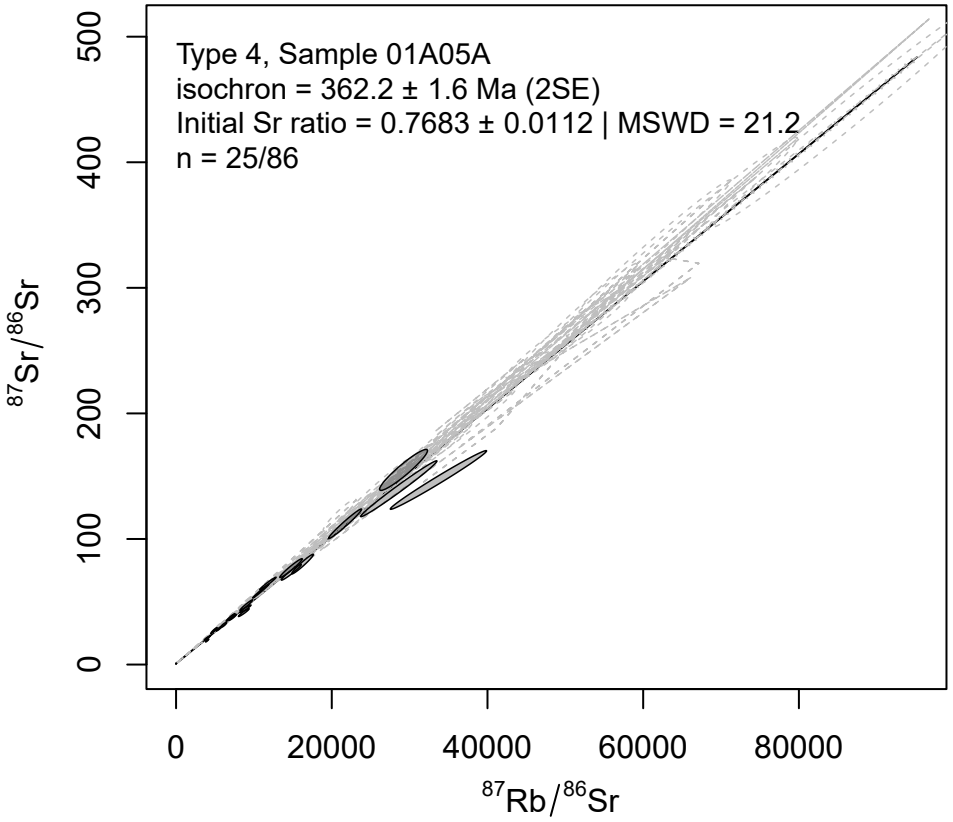

Type 3a, Sample 12B02
isochron = 378.4 ± 1.3 Ma (2SE)
Initial Sr ratio = 0.7529 ± 0.0126 | MSWD = 11.07
n = 35/74
87Sr/86Sr
0
100
200
300
400
500
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
87Rb/86Sr

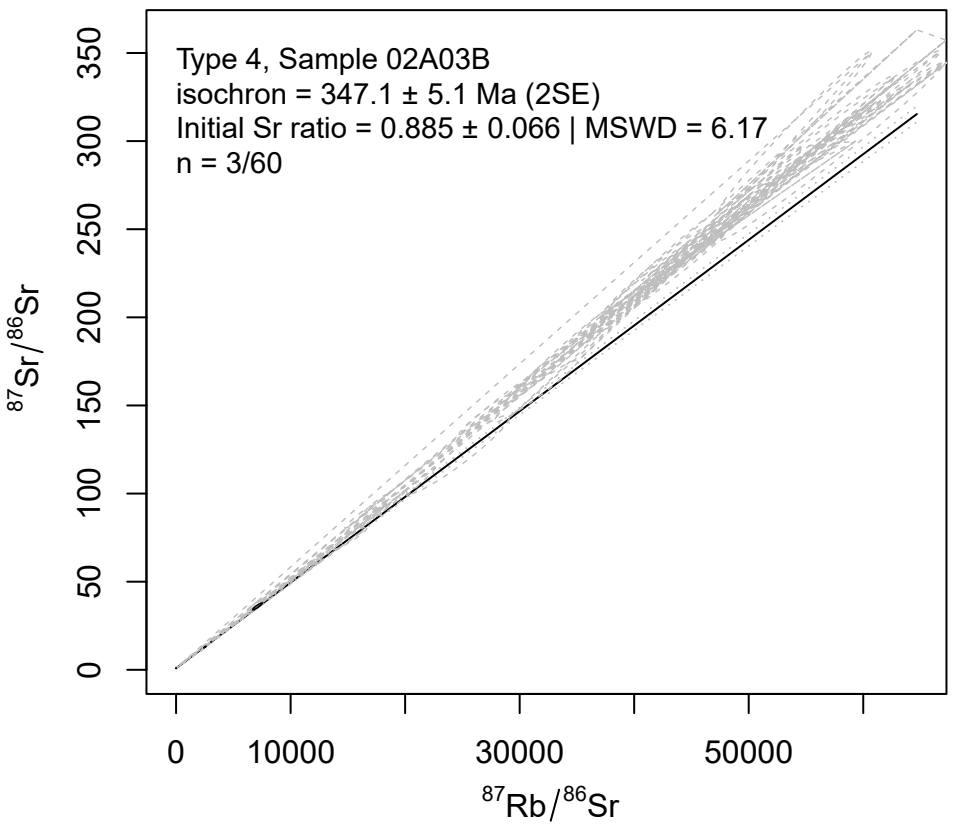

Type 3a, Sample 13A08
isochron = 379.64 ± 0.88 Ma (2SE)
Initial Sr ratio = 0.7977 ± 0.0124 | MSWD = 4.81
n = 45/48
87Sr/86Sr
0
20
40
60
80
100
120
0
5000
10000
15000
20000
87Rb/86Sr

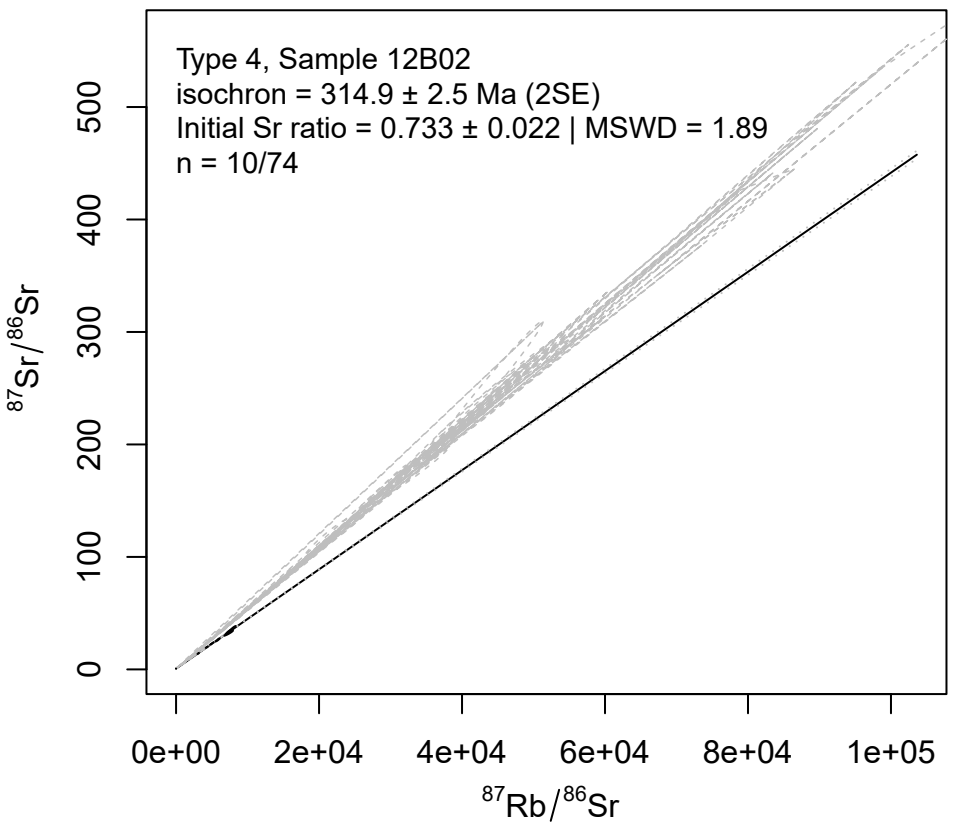

Type 3b, Sample 02A05B
isochron = 391.4 ± 1.1 Ma (2SE)
Initial Sr ratio = 0.765 ± 0.0146 | MSWD = 5.79
n = 48/58
87Sr/86Sr
0
100
200
300
400
500
600
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
87Rb/86Sr

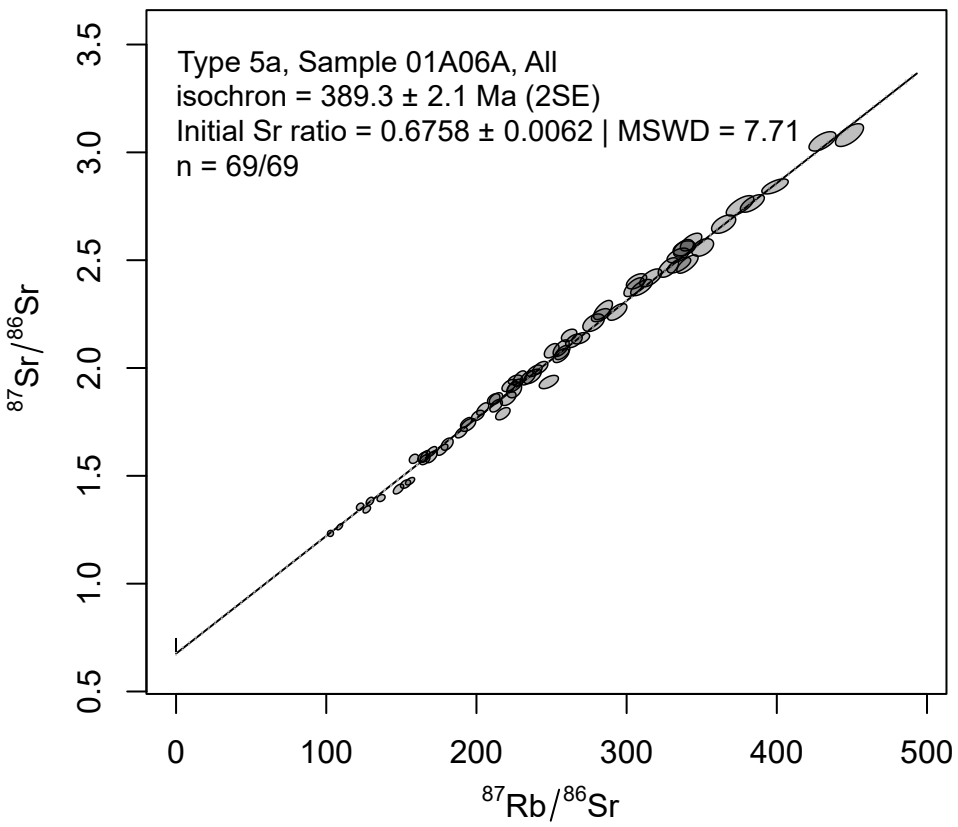

Type 3b, Sample 12A02
isochron = 367.3 ± 3.1 Ma (2SE)
Initial Sr ratio = 0.7514 ± 0.0084 | MSWD = 10.9
n = 17/86
87Sr/86Sr
0
200
400
600
800
0
50000
100000
150000
87Rb/86Sr

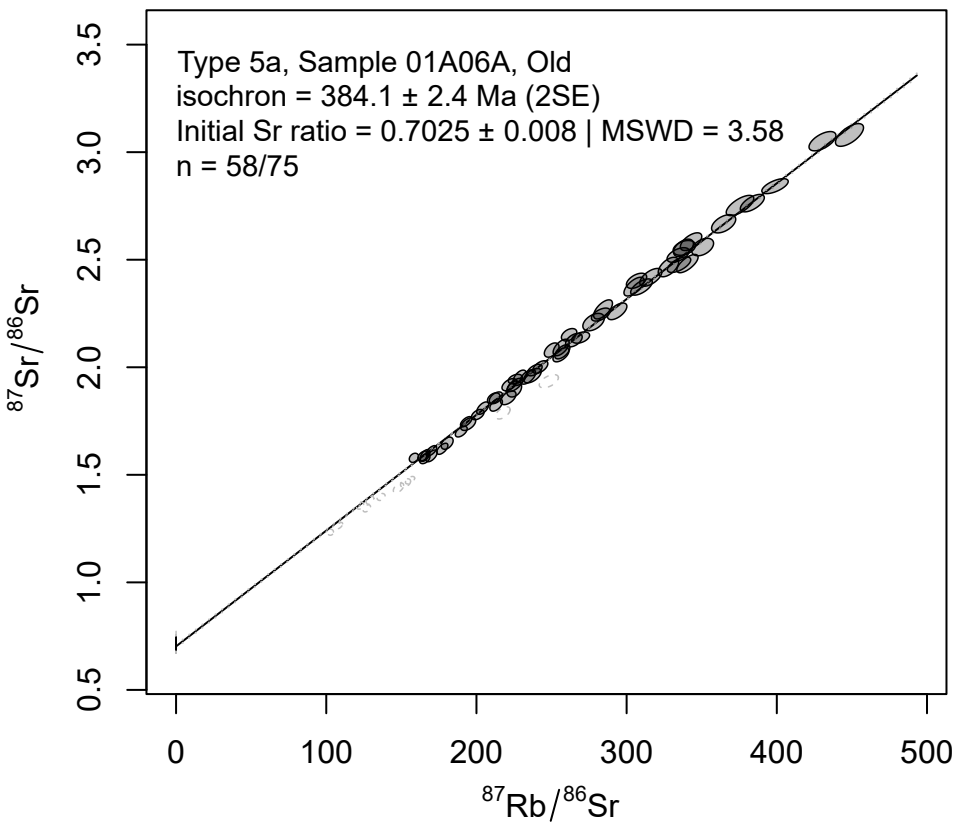

Type 3b, Sample 12B02
isochron = 333 ± 2.1 Ma (2SE)
Initial Sr ratio = 0.7717 ± 0.0124 | MSWD = 10.91
n = 18/74
87Sr/86Sr
0
100
200
300
400
500
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
87Rb/86Sr

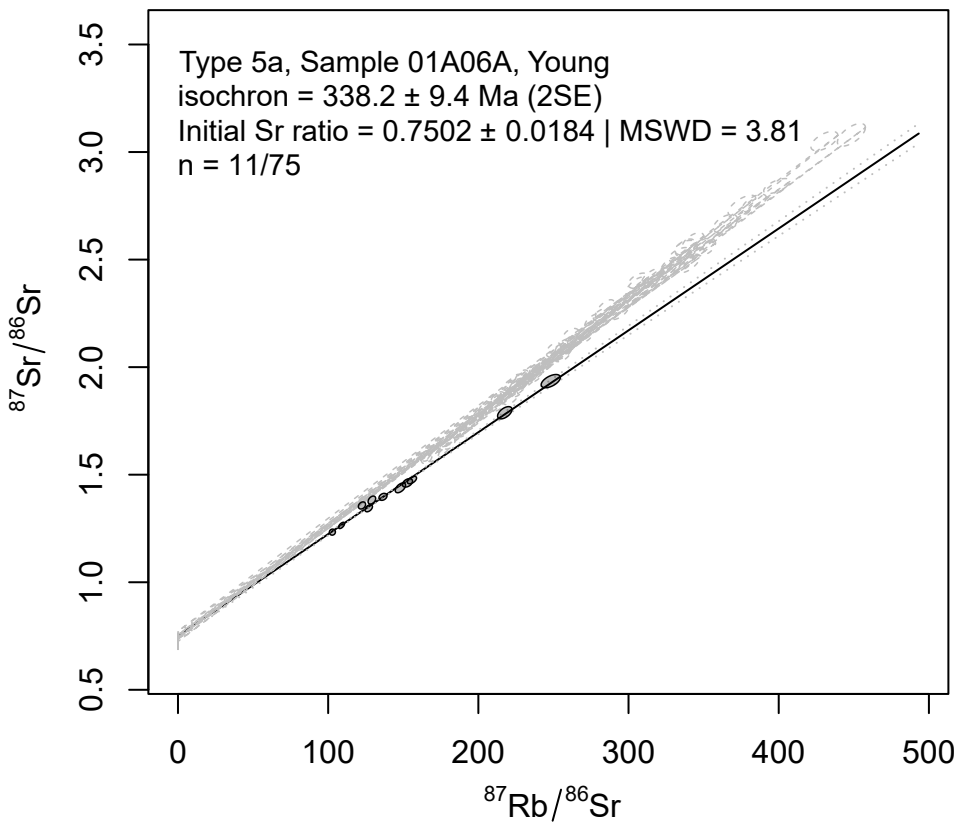

Type 4, Sample 01A05A
isochron = 362.2 ± 1.6 Ma (2SE)
Initial Sr ratio = 0.7683 ± 0.0112 | MSWD = 21.2
n = 25/86
87Sr/86Sr
0
100
200
300
400
500
0
20000
40000
60000
80000
87Rb/86Sr

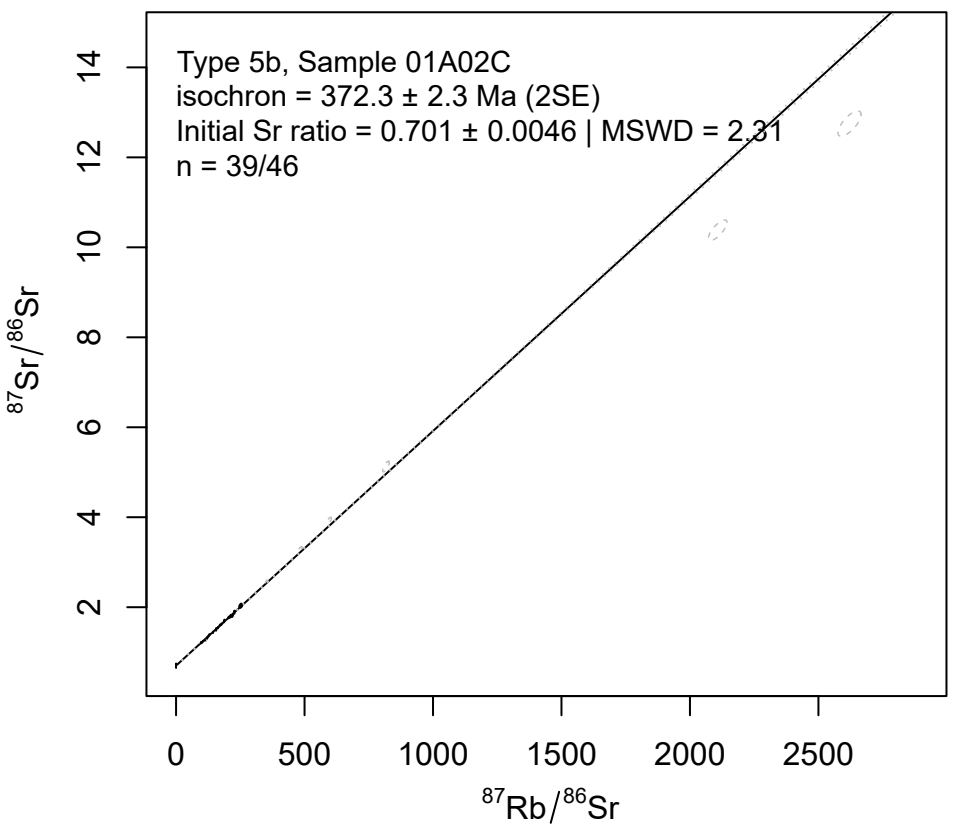

Type 4, Sample 02A03B
isochron = 347.1 ± 5.1 Ma (2SE)
Initial Sr ratio = 0.885 ± 0.066 | MSWD = 6.17
n = 3/60
87Sr/86Sr
87Rb/86Sr
0
50
100
150
200
250
300
350
0
10000
30000
50000

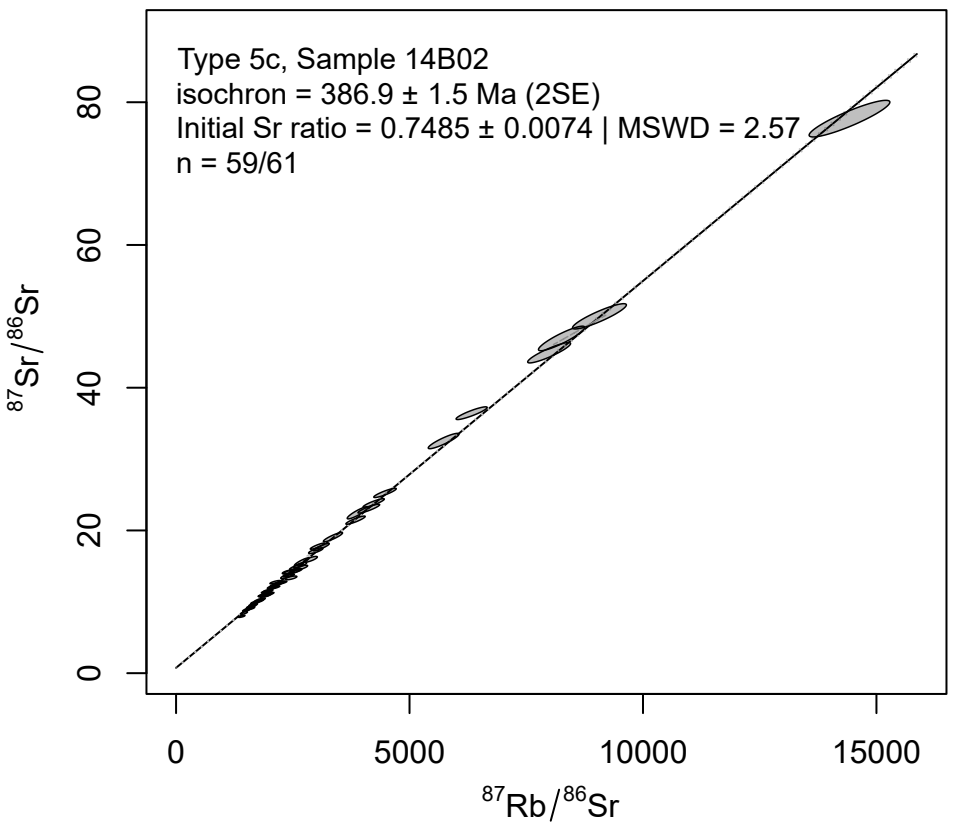

Type 4, Sample 12B02
isochron = 314.9 ± 2.5 Ma (2SE)
Initial Sr ratio = 0.733 ± 0.022 | MSWD = 1.89
n = 10/74
87Sr/86Sr
87Rb/86Sr
0
100
200
300
400
500
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05

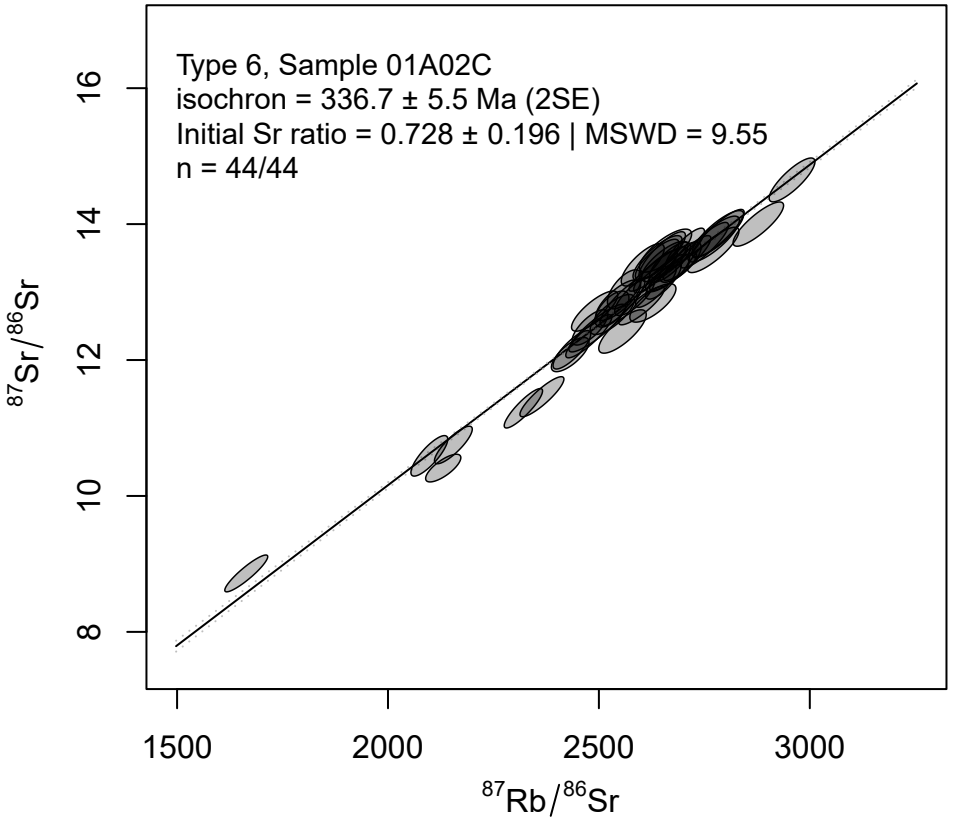

Type 5a, Sample 01A06A, All
isochron = 389.3 ± 2.1 Ma (2SE)
Initial Sr ratio = 0.6758 ± 0.0062 | MSWD = 7.71
n = 69/69
87Sr/86Sr
87Rb/86Sr
0.5
1.0
1.5
2.0
2.5
3.0
3.5
0
100
200
300
400
500


Type 5a, Sample 01A06A, Old
isochron = 384.1 ± 2.4 Ma (2SE)
Initial Sr ratio = 0.7025 ± 0.008 | MSWD = 3.58
n = 58/75
87Sr/86Sr
87Rb/86Sr
0.5
1.0
1.5
2.0
2.5
3.0
3.5
0
100
200
300
400
500


Type 5a, Sample 01A06A, Young
isochron = 338.2 ± 9.4 Ma (2SE)
Initial Sr ratio = 0.7502 ± 0.0184 | MSWD = 3.81
n = 11/75
87Sr/86Sr
87Rb/86Sr
0.5
1.0
1.5
2.0
2.5
3.0
3.5
0
100
200
300
400
500


Type 5b, Sample 01A02C
isochron = 372.3 ± 2.3 Ma (2SE)
Initial Sr ratio = 0.701 ± 0.0046 | MSWD = 2.31
n = 39/46
87Sr/86Sr
87Rb/86Sr
2
4
6
8
10
12
14
0
500
1000
1500
2000
2500


Type 5c, Sample 14B02
isochron = 386.9 ± 1.5 Ma (2SE)
Initial Sr ratio = 0.7485 ± 0.0074 | MSWD = 2.57
n = 59/61
87Sr/86Sr
87Rb/86Sr
0
20
40
60
80
0
5000
10000
15000


Type 6, Sample 01A02C
isochron = 336.7 ± 5.5 Ma (2SE)
Initial Sr ratio = 0.728 ± 0.196 | MSWD = 9.55
n = 44/44
87Sr/86Sr
87Rb/86Sr
8
10
12
14
16
1500
2000
2500
3000