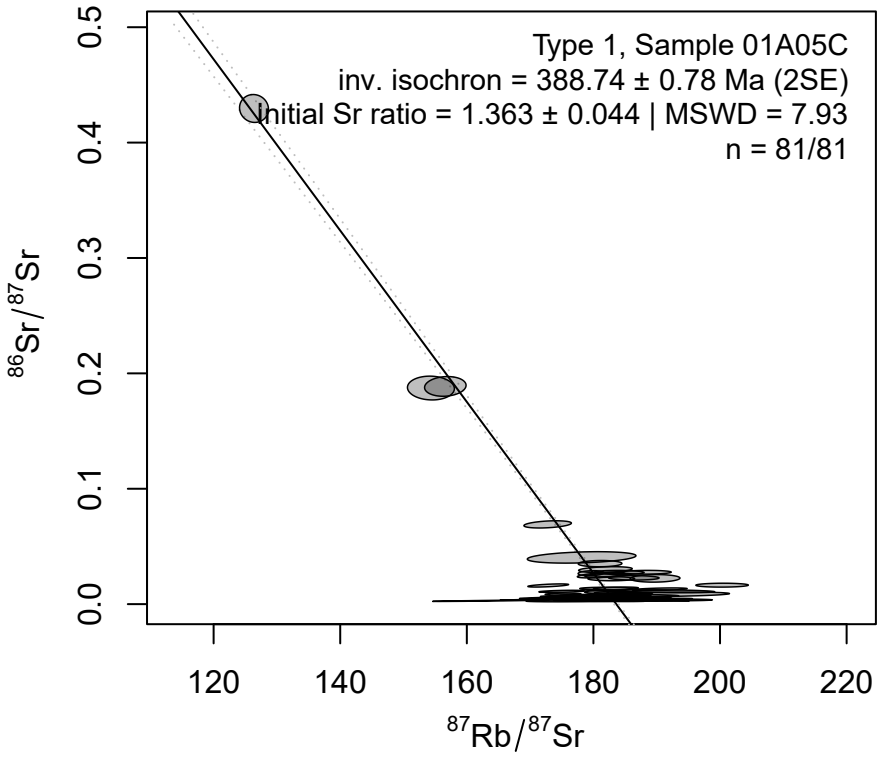
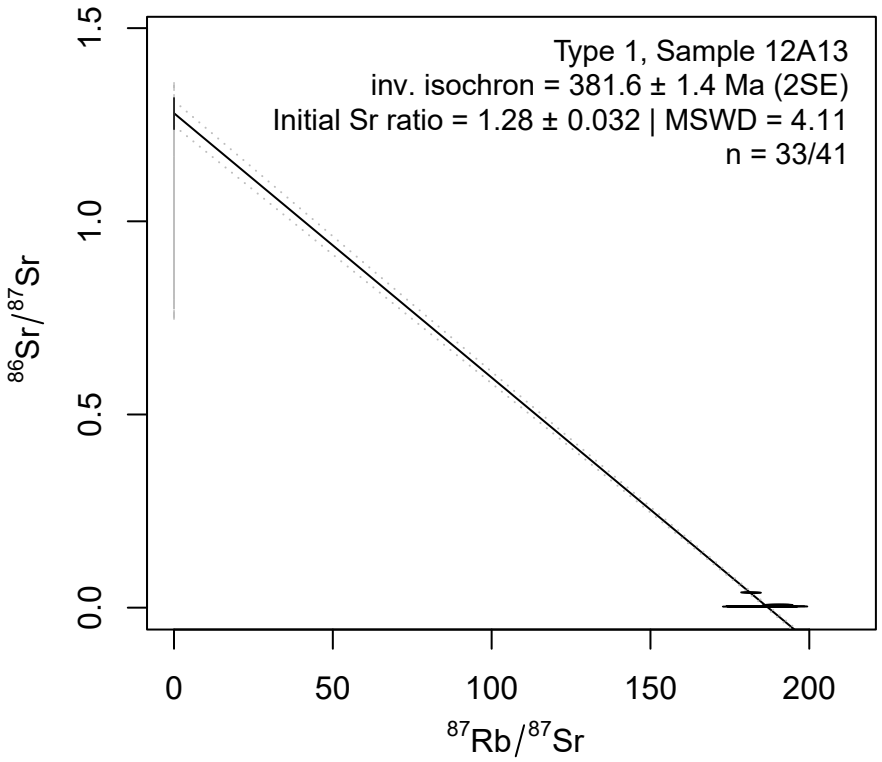
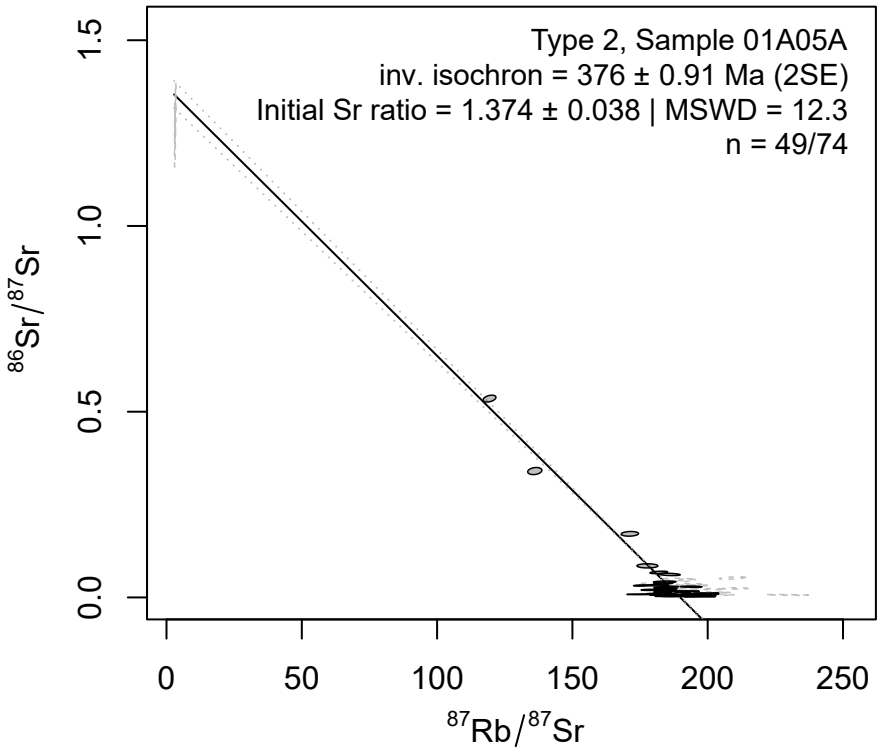
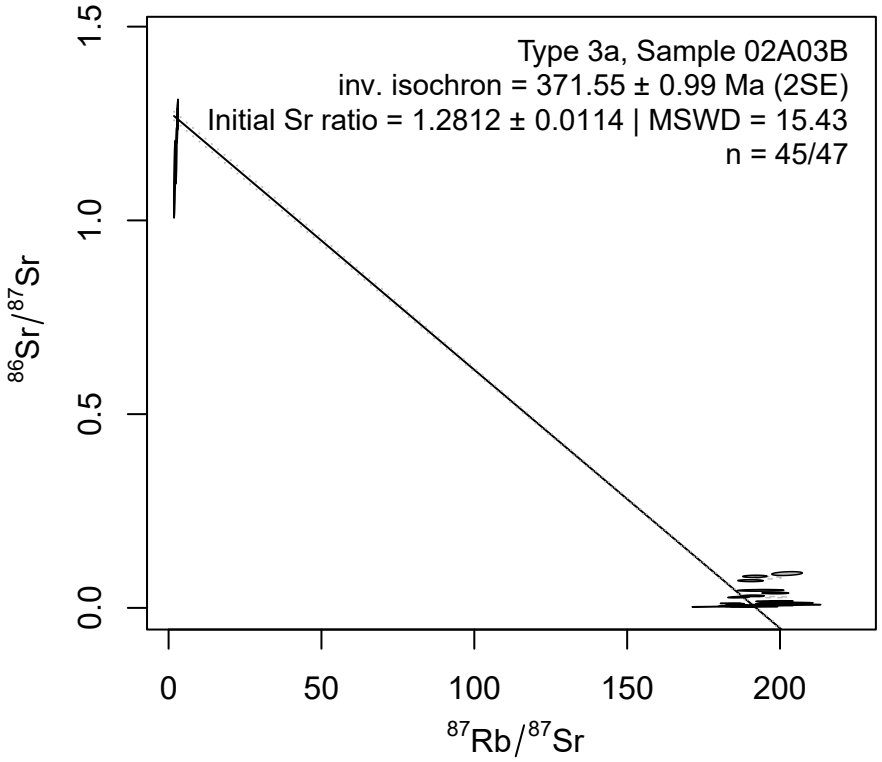
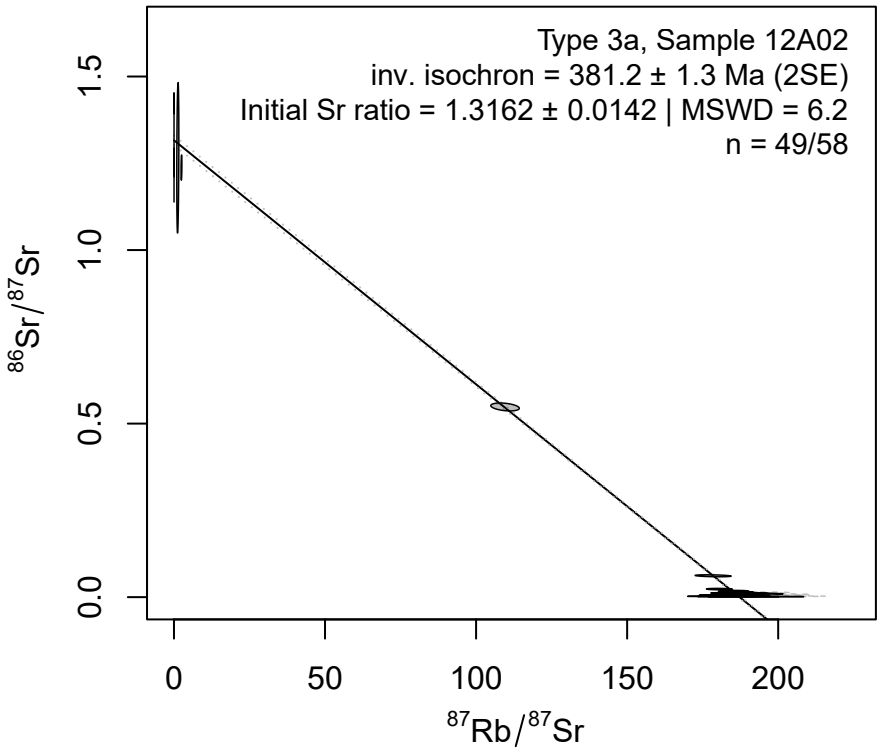
Appendix H: $^{87}Rb/^{87}Sr$ Inverse Isochrons

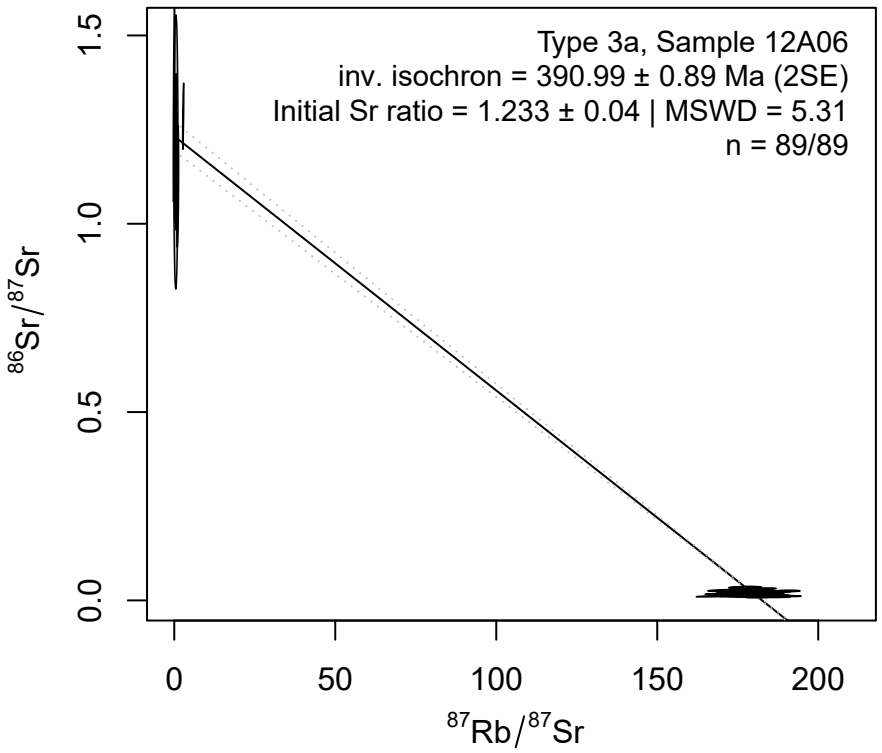


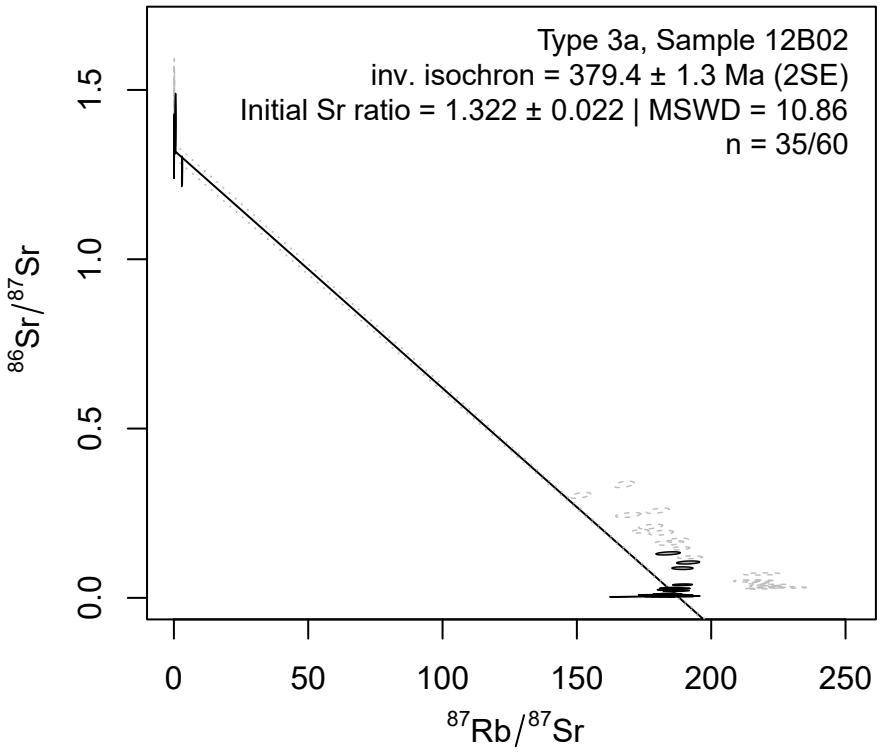


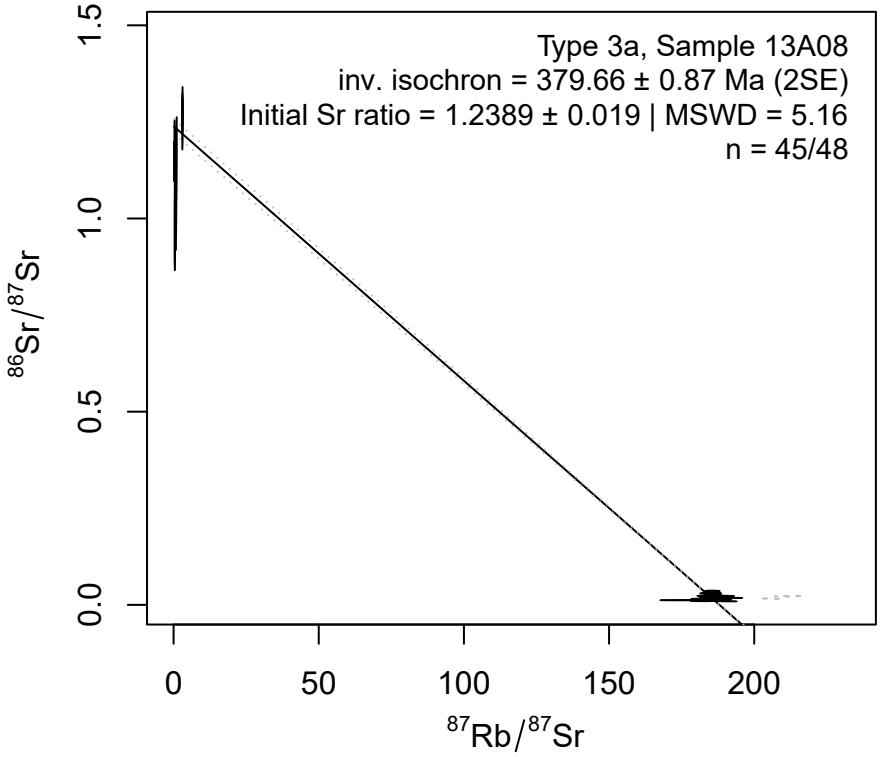

Type 2, Sample 01A05A
inv. isochron = 376 ± 0.91 Ma (2SE)
Initial Sr ratio = 1.374 ± 0.038 | MSWD = 12.3
n = 49/74
$^{86}Sr/^{87}Sr$
$^{87}Rb/^{87}Sr$
0.0
0.5
1.0
1.5
0
50
100
150
200
250

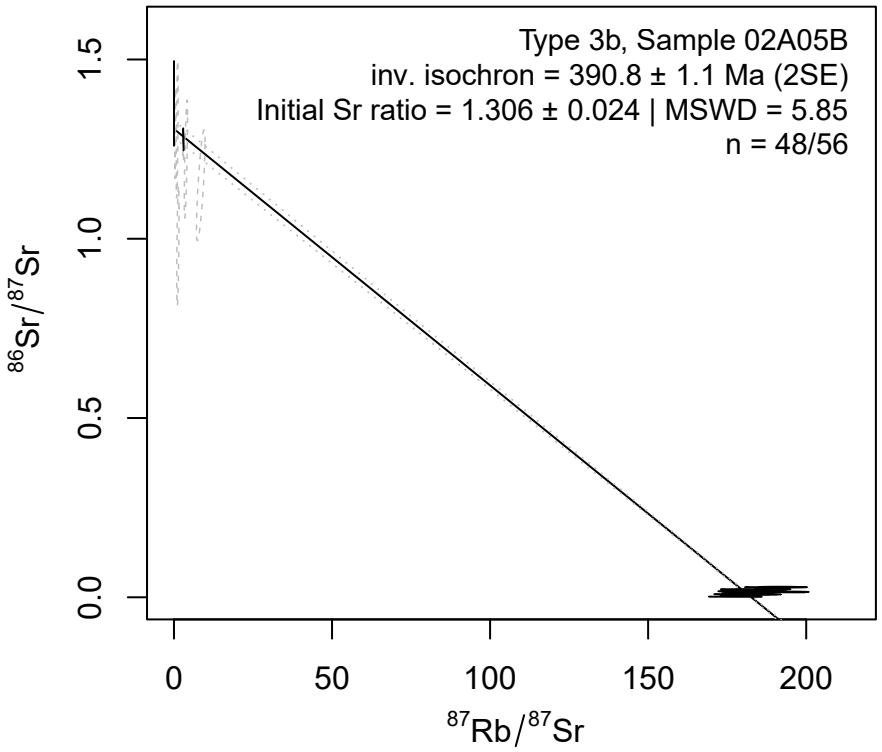

Type 3a, Sample 02A03B
inv. isochron = 371.55 ± 0.99 Ma (2SE)
Initial Sr ratio = 1.2812 ± 0.0114 | MSWD = 15.43
n = 45/47
$^{86}Sr/^{87}Sr$
$^{87}Rb/^{87}Sr$
0.0
0.5
1.0
1.5
0
50
100
150
200

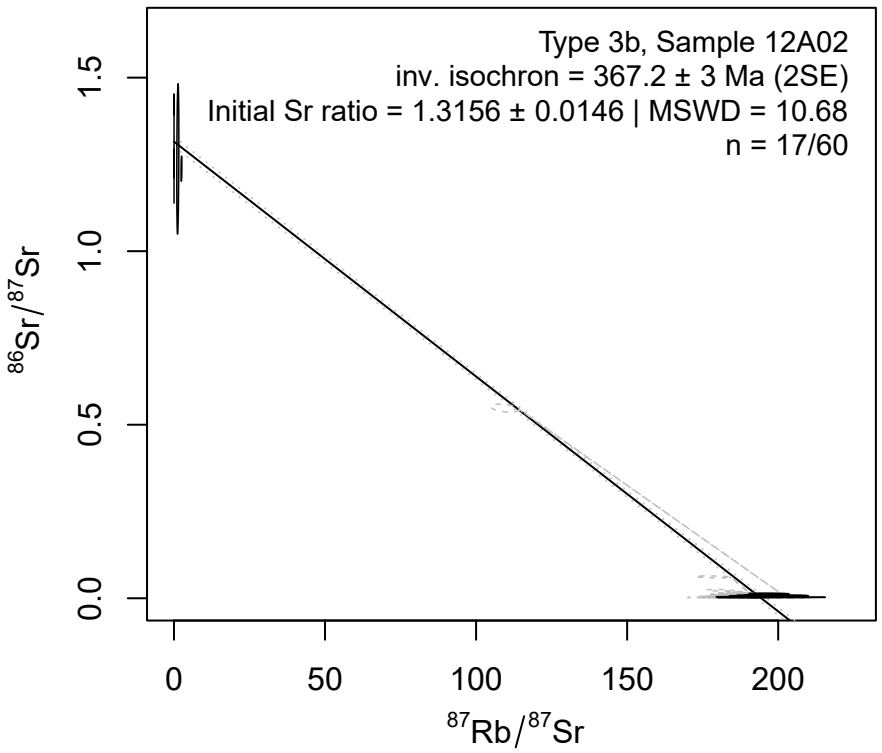

Type 3a, Sample 12A02
inv. isochron = 381.2 ± 1.3 Ma (2SE)
Initial Sr ratio = 1.3162 ± 0.0142 | MSWD = 6.2
n = 49/58
$^{86}Sr/^{87}Sr$
$^{87}Rb/^{87}Sr$
0.0
0.5
1.0
1.5
0
50
100
150
200

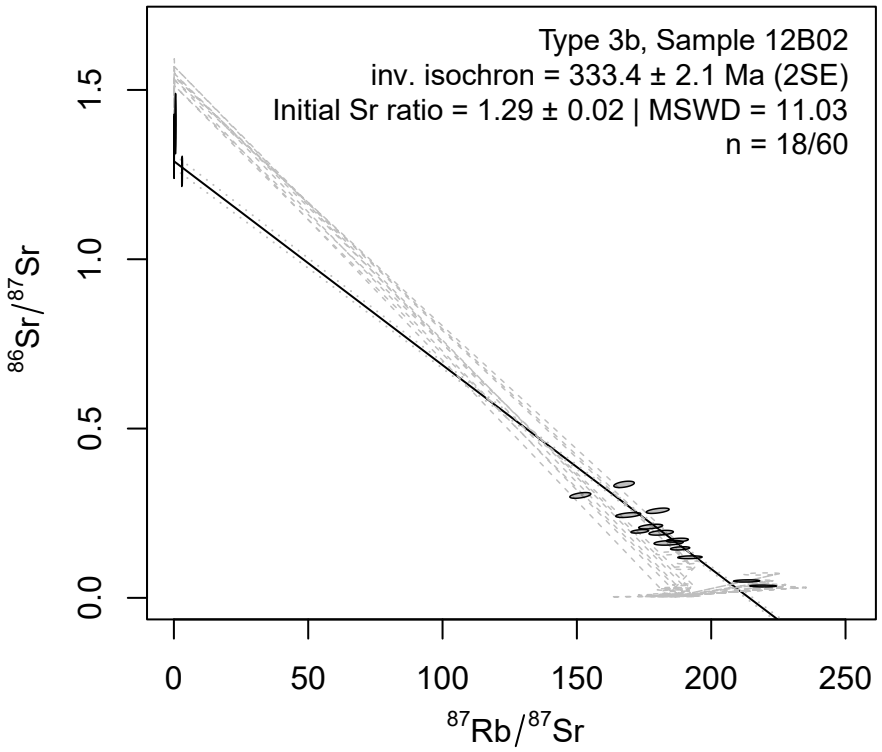

Type 3a, Sample 12A06
inv. isochron = 390.99 ± 0.89 Ma (2SE)
Initial Sr ratio = 1.233 ± 0.04 | MSWD = 5.31
n = 89/89
$^{86}Sr/^{87}Sr$
$^{87}Rb/^{87}Sr$
0.0
0.5
1.0
1.5
0
50
100
150
200

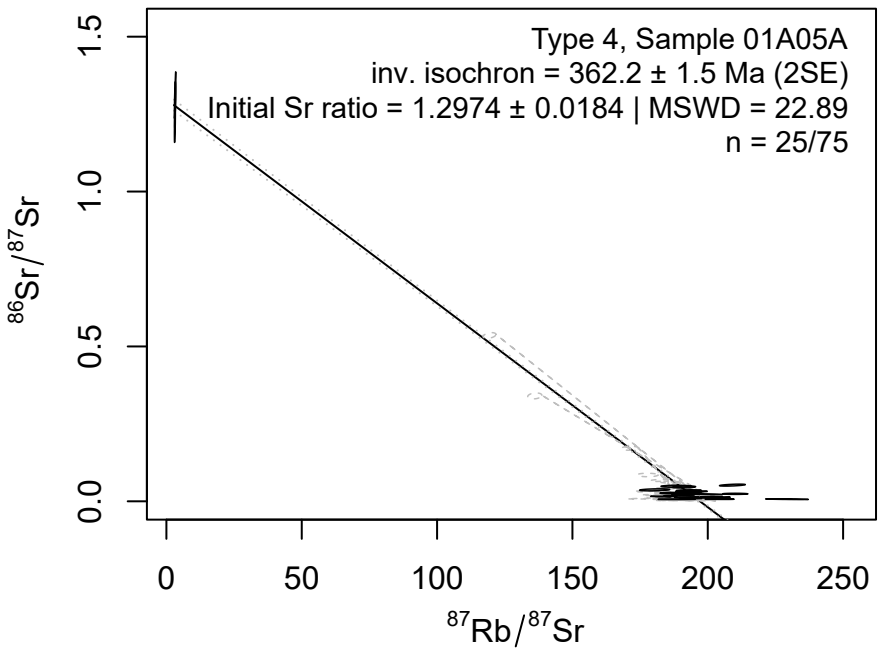

Type 3a, Sample 12B02
inv. isochron = 379.4 ± 1.3 Ma (2SE)
Initial Sr ratio = 1.322 ± 0.022 | MSWD = 10.86
n = 35/60
$^{86}Sr/^{87}Sr$
$^{87}Rb/^{87}Sr$
0.0
0.5
1.0
1.5
0
50
100
150
200
250

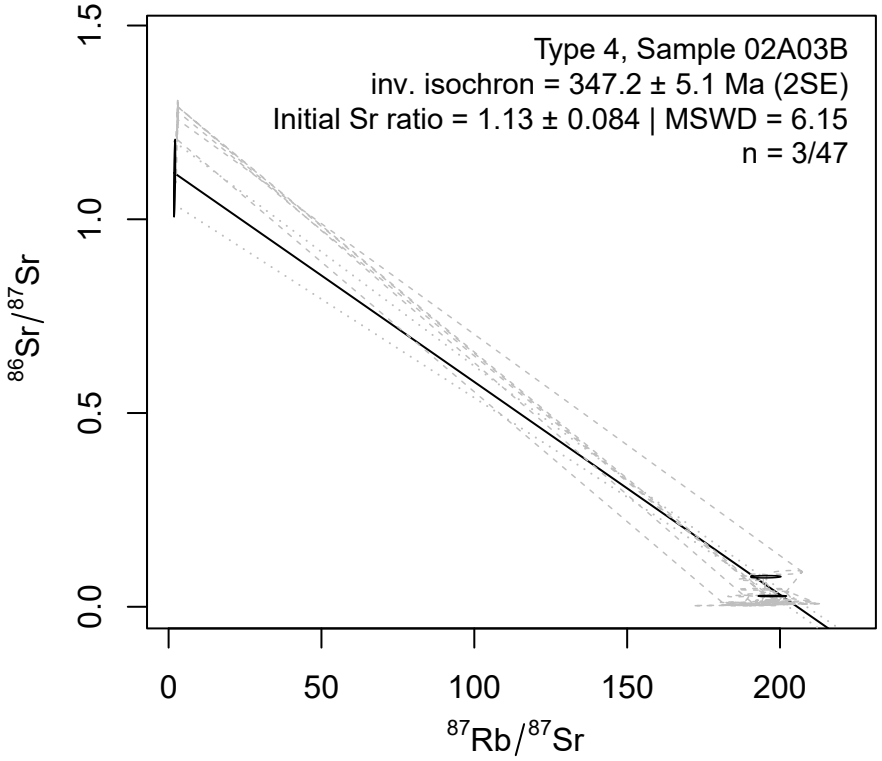

Type 3a, Sample 13A08
inv. isochron = 379.66 ± 0.87 Ma (2SE)
Initial Sr ratio = 1.2389 ± 0.019 | MSWD = 5.16
n = 45/48
$^{86}Sr/^{87}Sr$
$^{87}Rb/^{87}Sr$
0.0
0.5
1.0
1.5
0
50
100
150
200

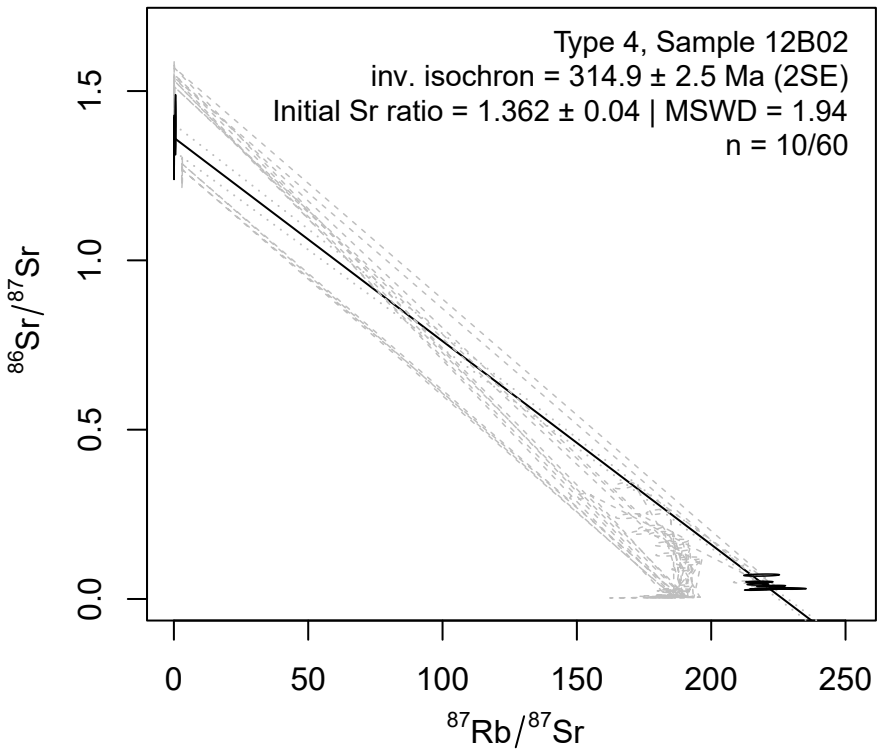

Type 3b, Sample 02A05B
inv. isochron = 390.8 ± 1.1 Ma (2SE)
Initial Sr ratio = 1.306 ± 0.024 | MSWD = 5.85
n = 48/56
$^{86}Sr/^{87}Sr$
$^{87}Rb/^{87}Sr$
0.0
0.5
1.0
1.5
0
50
100
150
200

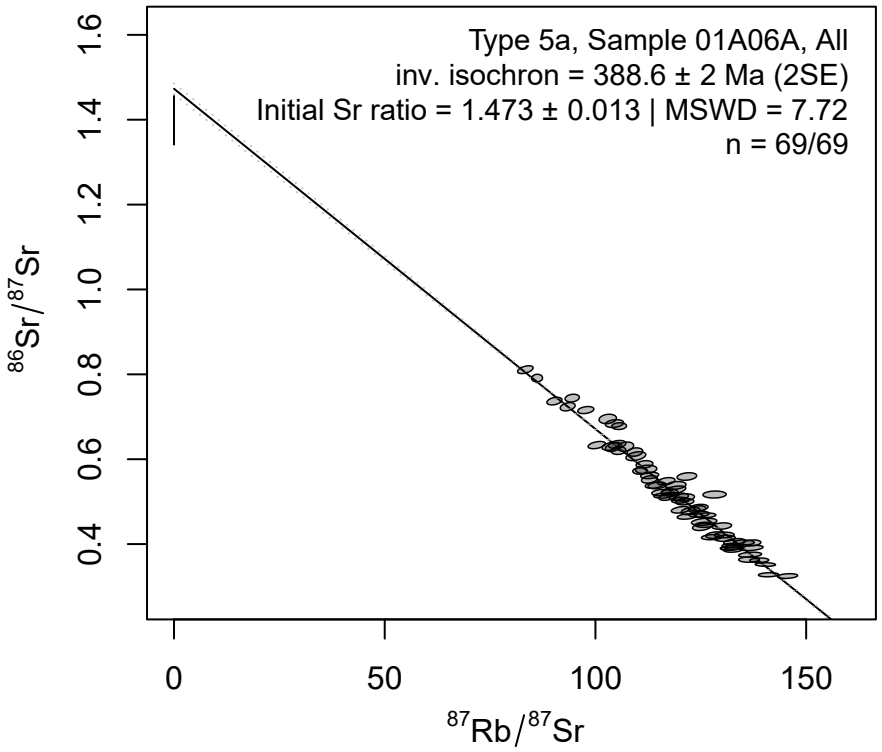

Type 3b, Sample 12A02
inv. isochron = 367.2 ± 3 Ma (2SE)
Initial Sr ratio = 1.3156 ± 0.0146 | MSWD = 10.68
n = 17/60
$^{86}Sr/^{87}Sr$
$^{87}Rb/^{87}Sr$
0.0
0.5
1.0
1.5
0
50
100
150
200

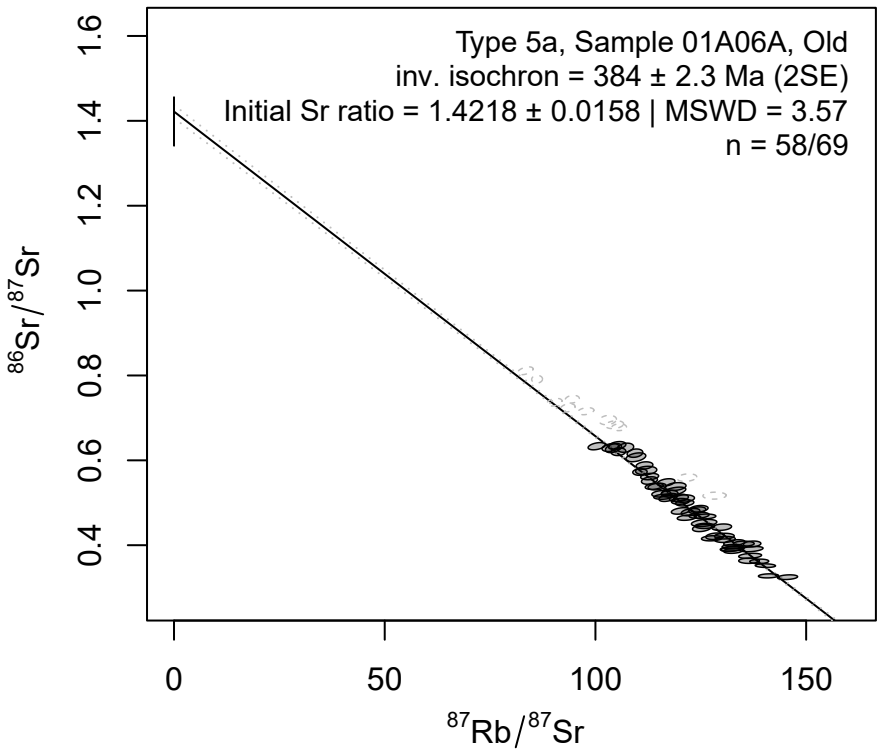

Type 3b, Sample 12B02
inv. isochron = 333.4 ± 2.1 Ma (2SE)
Initial Sr ratio = 1.29 ± 0.02 | MSWD = 11.03
n = 18/60
$^{86}Sr/^{87}Sr$
$^{87}Rb/^{87}Sr$
0.0
0.5
1.0
1.5
0
50
100
150
200
250

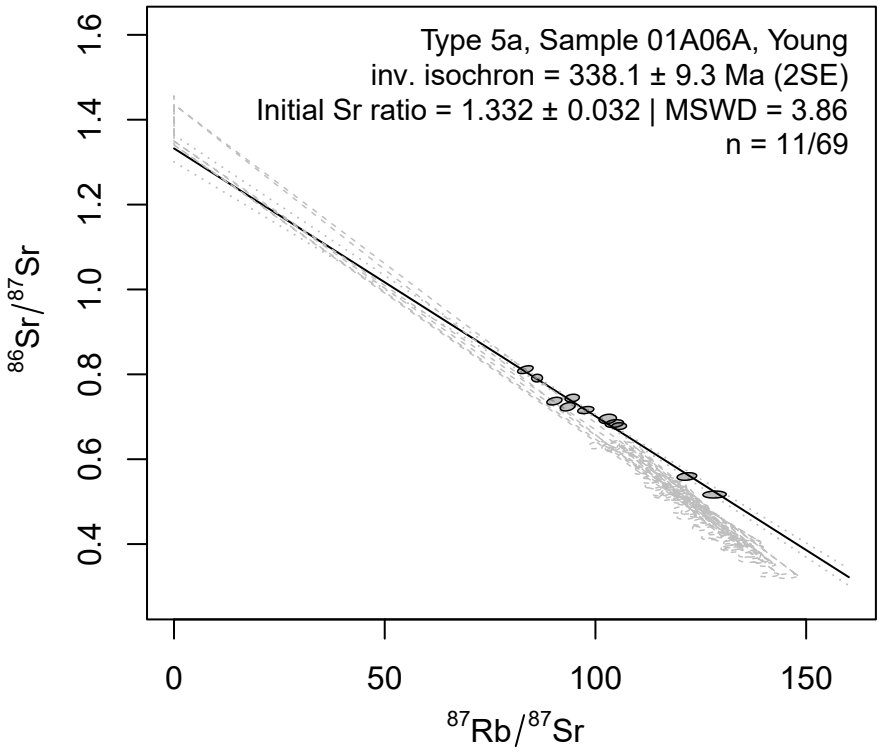

Type 4, Sample 01A05A
inv. isochron = 362.2 ± 1.5 Ma (2SE)
Initial Sr ratio = 1.2974 ± 0.0184 | MSWD = 22.89
n = 25/75
$^{86}Sr/^{87}Sr$
$^{87}Rb/^{87}Sr$
0.0
0.5
1.0
1.5
0
50
100
150
200
250

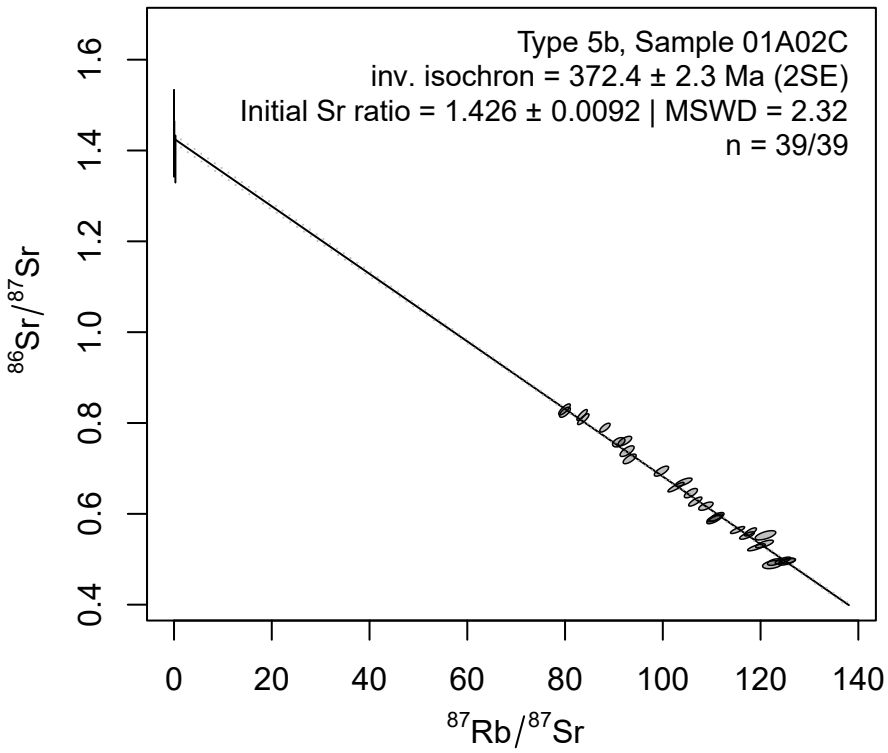

Type 4, Sample 02A03B
inv. isochron = 347.2 ± 5.1 Ma (2SE)
Initial Sr ratio = 1.13 ± 0.084 | MSWD = 6.15
n = 3/47
$^{86}Sr/^{87}Sr$
$^{87}Rb/^{87}Sr$
0.0
0.5
1.0
1.5
0
50
100
150
200

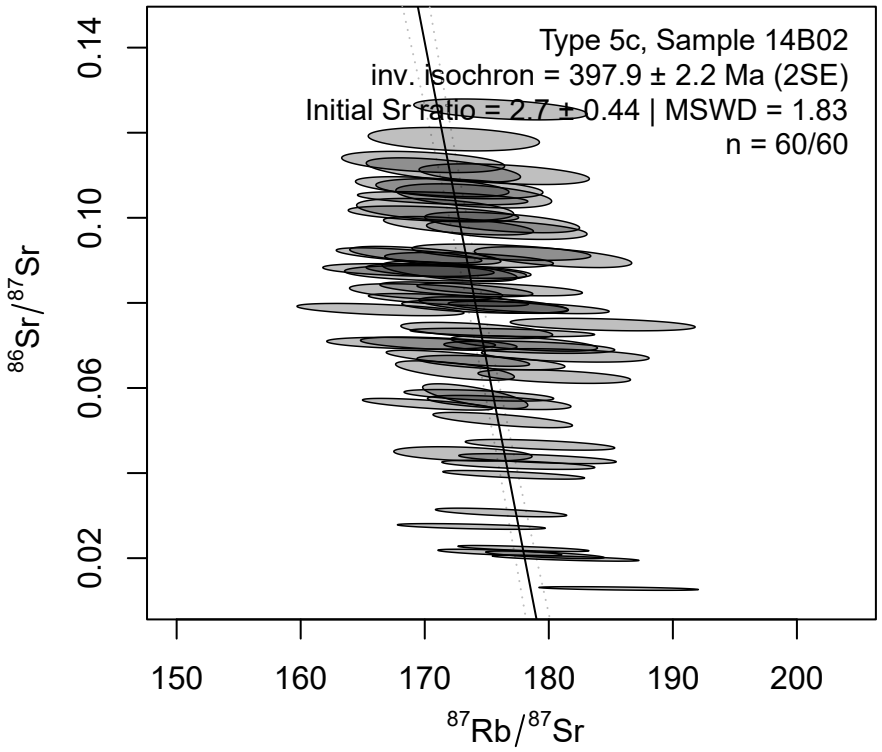

Type 4, Sample 12B02
inv. isochron = 314.9 ± 2.5 Ma (2SE)
Initial Sr ratio = 1.362 ± 0.04 | MSWD = 1.94
n = 10/60
$^{86}Sr/^{87}Sr$
$^{87}Rb/^{87}Sr$
0.0
0.5
1.0
1.5
0
50
100
150
200
250

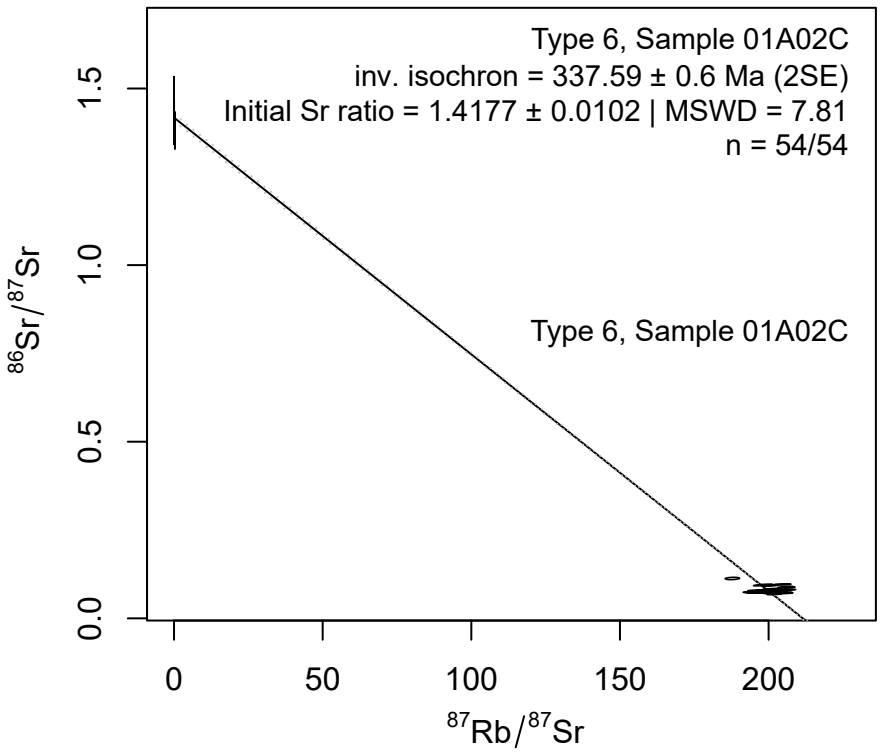

Type 5a, Sample 01A06A, All
inv. isochron = 388.6 ± 2 Ma (2SE)
Initial Sr ratio = 1.473 ± 0.013 | MSWD = 7.72
n = 69/69
$^{86}Sr/^{87}Sr$
$^{87}Rb/^{87}Sr$
0.4
0.6
0.8
1.0
1.2
1.4
1.6
0
50
100
150


Type 5a, Sample 01A06A, Old
inv. isochron = 384 ± 2.3 Ma (2SE)
Initial Sr ratio = 1.4218 ± 0.0158 | MSWD = 3.57
n = 58/69
$^{86}Sr/^{87}Sr$
$^{87}Rb/^{87}Sr$
0.4
0.6
0.8
1.0
1.2
1.4
1.6
0
50
100
150


Type 5a, Sample 01A06A, Young
inv. isochron = 338.1 ± 9.3 Ma (2SE)
Initial Sr ratio = 1.332 ± 0.032 | MSWD = 3.86
n = 11/69
$^{86}Sr/^{87}Sr$
$^{87}Rb/^{87}Sr$
0.4
0.6
0.8
1.0
1.2
1.4
1.6
0
50
100
150


Type 5b, Sample 01A02C
inv. isochron = 372.4 ± 2.3 Ma (2SE)
Initial Sr ratio = 1.426 ± 0.0092 | MSWD = 2.32
n = 39/39
$^{86}Sr/^{87}Sr$
$^{87}Rb/^{87}Sr$
0.4
0.6
0.8
1.0
1.2
1.4
1.6
0
20
40
60
80
100
120
140


Type 5c, Sample 14B02
inv. isochron = 397.9 ± 2.2 Ma (2SE)
Initial Sr ratio = 2.7 ± 0.44 | MSWD = 1.83
n = 60/60
0.02
0.06
0.10
0.14
150
160
170
180
190
200
$^{86}Sr/^{87}Sr$
$^{87}Rb/^{87}Sr$


Type 6, Sample 01A02C
inv. isochron = 337.59 ± 0.6 Ma (2SE)
Initial Sr ratio = 1.4177 ± 0.0102 | MSWD = 7.81
n = 54/54
Type 6, Sample 01A02C
0.0
0.5
1.0
1.5
0
50
100
150
200
$^{86}Sr/^{87}Sr$
$^{87}Rb/^{87}Sr$