| Sample ID | Height above soil (cm) | Sample thickness  (cm) | Sample Mass  (g) | Dilution Spike  (mg) | 36Cl Ratio   (x10-15) | 1σ | 35Cl/37Cl | 1σ | 36Cl  (at/g rock) | 1σ | Chloride in rock (ppm) | 1σ |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Ano16A01 | 0-10 | 3 | 30.305 | 1.090 | 137.4 | 5.0 | 75.5 | 2.0 | 86 822 | 3 384 | 0.64 | 0.07 |
| Ano16A02 | 10-20 | 3 | 30.478 | 1.078 | 136.6 | 5.0 | 70.6 | 3.1 | 85 143 | 3 332 | 0.77 | 0.10 |
| Ano16A03 | 20-30 | 3 | 30.292 | 1.064 | 145.3 | 5.0 | 77.6 | 2.5 | 89 593 | 3 293 | 0.55 | 0.08 |
| Ano16A04 | 30-40 | 3 | 30.272 | 1.090 | 139.2 | 5.1 | 64.3 | 1.8 | 88 901 | 3 482 | 1.02 | 0.08 |
| Ano16A05 | 40-50 | 3 | 30.611 | 1.111 | 130.9 | 5.0 | 69.7 | 0.6 | 83 768 | 3 389 | 0.84 | 0.04 |
| Ano16A06 | 50-60 | 3 | 30.429 | 1.070 | 138.8 | 4.8 | 85.2 | 0.7 | 85 156 | 3 185 | 0.37 | 0.04 |
| Ano16A07 | 60-70 | 3 | 30.266 | 1.080 | 143.5 | 5.6 | 81.2 | 2.6 | 89 579 | 3 712 | 0.48 | 0.07 |
| Ano16A08 | 70-80 | 3 | 30.312 | 1.072 | 143.0 | 5.2 | 87.5 | 1.5 | 88 595 | 3 289 | 0.26 | 0.05 |
| Ano16A09 | 80-90 | 3 | 30.304 | 1.054 | 150.8 | 5.2 | 91.2 | 1.4 | 91 749 | 3 257 | 0.16 | 0.04 |
| Ano16A10 | 90-100 | 3 | 30.616 | 1.070 | 164.4 | 5.5 | 85.0 | 4.5 | 100 965 | 3 447 | 0.30 | 0.10 |
| Ano16A11 | 100-110 | 3 | 30.052 | 1.059 | 158.9 | 5.2 | 76.2 | 1.5 | 98 867 | 3 337 | 0.51 | 0.05 |
| Ano16A11B | 100-110 | 3 | 30.104 | 1.090 | 150.7 | 5.3 | 88.2 | 1.5 | 95 591 | 3 449 | 0.26 | 0.05 |
| Ano16A12 | 110-120 | 3 | 30.024 | 1.192 | 144.2 | 5.7 | 57.5 | 1.8 | 100 194 | 4 493 | -0.10 | 0.23 |
| Ano16A13 | 120-130 | 3 | 30.014 | 1.096 | 166.6 | 5.5 | 78.5 | 1.3 | 107 407 | 3 612 | 0.50 | 0.05 |
| Ano16A14 | 130-140 | 3 | 30.038 | 1.188 | 149.0 | 8.5 | 37.0 | 3.9 | 107 893 | 6 767 | 1.80 | 0,60 |
| Ano16A15 | 140-150 | 3 | 30.324 | 1.088 | 163.1 | 5.4 | 78.1 | 0.4 | 103 366 | 3 518 | 0.49 | 0.03 |
| Ano16A16 | 150-160 | 3 | 30.108 | 1.198 | 162.4 | 9.1 | 38.2 | 8.3 | 118 276 | 7 765 | 1.60 | 1.13 |
| Ano16A17 | 160-170 | 3 | 30.418 | 1.068 | 178.4 | 6.1 | 76.1 | 0.5 | 110 547 | 3 863 | 0.63 | 0.03 |
| Ano16A18 | 170-180 | 3 | 30.057 | 1.171 | 152.6 | 9.2 | 40.5 | 3.7 | 107 771 | 7 087 | 1.20 | 0.48 |
| Ano16A19 | 180-190 | 3 | 30.483 | 1.078 | 182.7 | 5.8 | 74.1 | 0.2 | 114 279 | 3 718 | 0.70 | 0.03 |
| Ano16A20 | 190-200 | 3 | 30.102 | 1.165 | 157.7 | 10.6 | 42.9 | 2.1 | 110 093 | 7 912 | 1.00 | 0.29 |
| Ano16A21 | 200-210 | 3 | 30.185 | 1.054 | 184.7 | 6.9 | 79.6 | 1.4 | 113 534 | 4 354 | 0.52 | 0.04 |
| Ano16A22 | 210-220 | 3 | 30.164 | 1.174 | 165.9 | 8.4 | 46.1 | 2.1 | 115 815 | 6 349 | 0.70 | 0.28 |
| Ano16A23 | 220-230 | 3 | 30.225 | 1.060 | 185.7 | 6.4 | 55.2 | 0.8 | 117 520 | 4 114 | 1.41 | 0.05 |
| Ano16A24 | 230-240 | 3 | 30.134 | 1.146 | 151.5 | 7.0 | 46.2 | 1.9 | 102 954 | 5 255 | 0.60 | 0.26 |
| Ano16A25 | 240-250 | 3 | 30.553 | 1.030 | 205.7 | 8.0 | 63.0 | 2.6 | 123 970 | 4 894 | 0.99 | 0.10 |
| Ano16A26 | 250-260 | 3 | 30.138 | 1.135 | 188.8 | 12.0 | 36.7 | 4.4 | 130 792 | 9 142 | 1.70 | 1.02 |
| Ano16A27 | 260-270 | 3 | 30.290 | 1.060 | 186.7 | 7.1 | 25.2 | 0.2 | 129 775 | 4 995 | 5.18 | 0.05 |
| Ano16A28 | 270-280 | 3 | 30.267 | 1.122 | 182.5 | 6.5 | 53.9 | 5.2 | 119 485 | 5 080 | 0.20 | 0.87 |
| Ano16A29 | 280-290 | 3 | 30.216 | 1.054 | 206.9 | 8.3 | 73.0 | 1.2 | 127 932 | 5 214 | 0.70 | 0.05 |
| Ano16A30 | 290-300 | 3 | 30.201 | 1.130 | 194.2 | 6.7 | 60.3 | 2.0 | 127 511 | 5 100 | -0.20 | 0.82 |
| Ano16A31 | 300-310 | 3 | 30.396 | 1.063 | 237.7 | 9.9 | 74.7 | 0.5 | 147 335 | 6 199 | 0.66 | 0.03 |
| Ano16A32 | 310-320 | 3 | 30.162 | 1.143 | 199.2 | 7.4 | 56.8 | 2.2 | 133 273 | 5 640 | 0.00 | 0.82 |
| Ano16A33 | 320-330 | 3 | 30.411 | 1.070 | 213.1 | 8.6 | 62.7 | 0.6 | 134 199 | 5 517 | 1.08 | 0.04 |
| Ano16A35 | 340-350 | 3 | 30.766 | 1.101 | 203.6 | 11.2 | 39.5 | 1.7 | 136 346 | 7 600 | 2.43 | 0.21 |
| Ano16A37 | 360-370 | 3 | 30.252 | 1.137 | 203.9 | 10.4 | 54.8 | 1.4 | 139 118 | 7 183 | 1.33 | 0.12 |
| Ano16A39 | 380-390 | 3 | 29.963 | 1.051 | 234.9 | 9.6 | 56.1 | 1.7 | 149 444 | 6 161 | 1.09 | 0.12 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Ano16B01 | 0-10 | 3 | 30.370 | 1.095 | 130.9 | 5.1 | 47.3 | 0.9 | 86 315 | 3 448 | 1.73 | 0.11 |
| Ano16B02 | 10-20 | 3 | 30.160 | 1.139 | 129.7 | 5.5 | 51.4 | 3.3 | 85 529 | 4 524 | 0.30 | 0.84 |
| Ano16B03 | 20-30 | 3 | 30.202 | 1.071 | 137.2 | 5.0 | 55.6 | 0.4 | 87 763 | 3 249 | 1.15 | 0.09 |
| Ano16B04 | 30-40 | 3 | 30.040 | 1.139 | 130.5 | 6.0 | 50.6 | 5.5 | 86 591 | 4 897 | 0.40 | 0.90 |
| Ano16B05 | 40-50 | 3 | 30.340 | 1.079 | 128.6 | 4.5 | 71.2 | 1.0 | 81 065 | 2 937 | 0.52 | 0.09 |
| Ano16B06 | 50-60 | 3 | 30.088 | 1.156 | 107.0 | 5.3 | 35.8 | 0.9 | 77 461 | 3 928 | 1.20 | 0.25 |
| Ano16B07 | 60-70 | 3 | 29.945 | 1.107 | 128.9 | 4.4 | 66.7 | 0.4 | 84 770 | 2 955 | 0.73 | 0.09 |
| Ano16B08 | 70-80 | 3 | 30.070 | 1.164 | 111.5 | 5.7 | 33.4 | 0.3 | 82 072 | 4 266 | 1.60 | 0.22 |
| Ano16B09 | 80-90 | 3 | 30.847 | 1.051 | 143.5 | 4.9 | 80.1 | 0.3 | 85 811 | 3 013 | 0.76 | 0.02 |
| Ano16B10 | 90.100 | 3 | 30.196 | 1.165 | 125.8 | 6.2 | 40.9 | 0.7 | 90 159 | 4 516 | 0.60 | 0.22 |
| Ano16B11 | 100-110 | 3 | 30.078 | 1.073 | 142.1 | 4.0 | 90.1 | 1.4 | 88 467 | 2 557 | 0.58 | 0.03 |
| Ano16B12 | 110-120 | 3 | 30.079 | 1.146 | 126.7 | 5.7 | 36.7 | 1.1 | 90 865 | 4 173 | 1.00 | 0.26 |
| Ano16B13 | 120-130 | 3 | 30.155 | 1.063 | 148.8 | 4.6 | 76.1 | 2.8 | 92 436 | 2 942 | 0.89 | 0.08 |
| Ano16B14 | 130-140 | 3 | 30.221 | 1.165 | 139.2 | 5.4 | 38.4 | 1.0 | 100 544 | 3 983 | 0.90 | 0.25 |
| Ano16B15 | 140-150 | 3 | 30.411 | 1.077 | 157.9 | 5.5 | 84.7 | 0.3 | 98 068 | 3 495 | 0.69 | 0.02 |
| Ano16B16 | 150-160 | 3 | 30.108 | 1.139 | 123.4 | 5.7 | 34.7 | 0.1 | 88 432 | 4 202 | 1.30 | 0.21 |
| Ano16B17 | 160-170 | 3 | 30.599 | 1.028 | 183.6 | 6.4 | 80.2 | 0.3 | 108 662 | 3 892 | 0.73 | 0.02 |
| Ano16B19 | 180-190 | 3 | 30.210 | 1.052 | 172.4 | 6.4 | 63.8 | 0.4 | 107 155 | 4 038 | 1.27 | 0.02 |
| Ano16B20 | 190-200 | 3 | 30.078 | 1.065 | 182.1 | 5.4 | 68.3 | 0.9 | 114 685 | 3 457 | 1.14 | 0.04 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| SFT-C-2 | 640 | 2.5 | 25.462 | 0.947 | 364.8 | 10.6 | 62.1 | 0.5 | 262 122 | 7 317 | -0.20 | 0.05 |
| SFT-C-3 | 600 | 2.5 | 43.913 | 0.951 | 650.3 | 18.1 | 44.4 | 0.3 | 244 909 | 7 170 | 0.60 | 0.03 |
| SFT-C-4 | 560 | 2.5 | 49.595 | 0.951 | 592.5 | 16.3 | 37.6 | 0.3 | 215 122 | 5 950 | 0.90 | 0.03 |
| SFT-C-6 | 480 | 2.5 | 48.402 | 0.939 | 445.2 | 15.3 | 32.5 | 0.8 | 166 420 | 5 779 | 1.30 | 0.07 |
| SFT-C-8 | 400 | 2.5 | 51.365 | 0.931 | 371.5 | 10.2 | 25.0 | 0.3 | 135 244 | 3 756 | 2.10 | 0.05 |
| SFT-C-10 | 320 | 2.5 | 51.420 | 0.953 | 310.4 | 9.1 | 27.7 | 0.4 | 113 401 | 3 358 | 1.70 | 0.06 |
| SFT-C-12 | 240 | 2.5 | 35.771 | 0.952 | 216.8 | 7.1 | 42.0 | 0.1 | 107 369 | 3 583 | 0.90 | 0.03 |
| SFT-C-14 | 160 | 2.5 | 46.600 | 0.952 | 264.7 | 8.0 | 57.2 | 0.4 | 98 032 | 2 994 | 0.10 | 0.02 |
| SFT-C-15 | 120 | 2.5 | 43.719 | 0.951 | 230.2 | 7.0 | 64.4 | 1.5 | 89 940 | 2 788 | -0.10 | 0.04 |
| SFT-C-16 | 80 | 2.5 | 29.303 | 0.945 | 145.6 | 5.2 | 63.8 | 0.6 | 84 021 | 3 106 | -0.20 | 0.04 |
| SF3-20 | -20 | 2.5 | 39.696 | 0.949 | 185.5 | 6.7 | 55.1 | 0.2 | 80 413 | 2 964 | 0.10 | 0.03 |
| SF3-40 | -40 | 2.5 | 35.979 | 0.954 | 156.1 | 5.7 | 48.0 | 0.2 | 75 835 | 2 850 | 0.50 | 0.03 |
| SF3-60 | -60 | 2.5 | 39.462 | 0.956 | 149.2 | 5.0 | 28.8 | 1.0 | 70 417 | 2 439 | 2.10 | 0.16 |
| SF3-80 | -80 | 2.5 | 59.575 | 0.954 | 212.1 | 6.5 | 22.7 | 0.2 | 69 225 | 2 143 | 2.20 | 0.03 |

All samples have a shielding value of 0.713160791, calculated using the online Topographic shielding calculator in CRONUS-Earth https://stoneage.ice-d.org/math/skyline/skyline\_in.html

Even numbered samples from Ano16A12 to Ano16A32 and from Ano16B02 to Ano16B16 underwent AMS measurement in 2021. SFT and SF3 samples underwent AMS measurement in 2014. All other samples underwent AMS measurement in 2019.