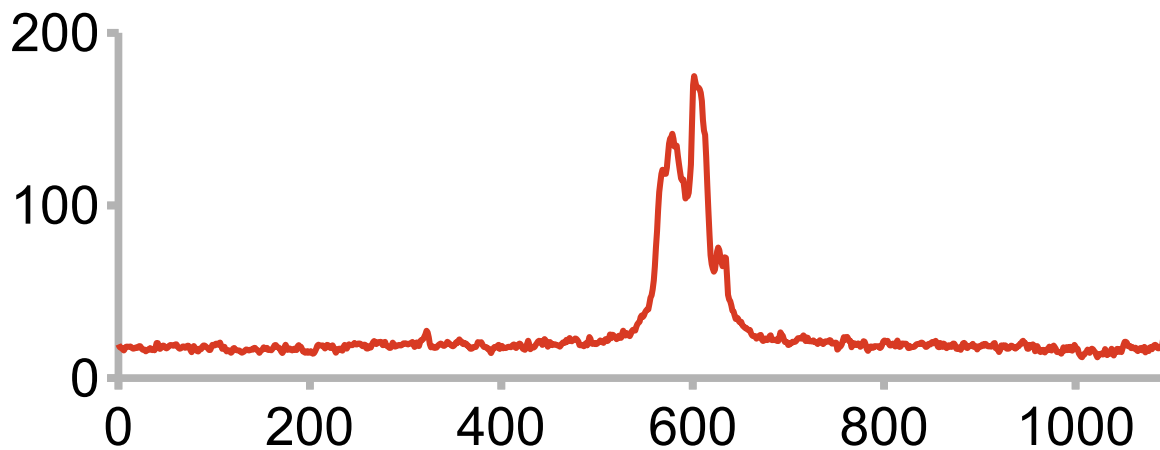


plot_profile_sample

| Distance_(microns) | Gray_Value |
|--------------------|------------|
| 0 | 19.5 |
| 1.141 | 18.042 |
| 2.283 | 17.58 |
| 3.424 | 17.622 |



| | |
|--------|--------|
| 19.405 | 17.506 |
| 20.546 | 17.625 |
| 21.688 | 18.492 |
| 22.829 | 18.416 |
| 23.971 | 17.437 |
| 25.112 | 16.484 |
| 26.254 | 16.456 |
| 27.395 | 16.499 |
| 28.537 | 15.495 |
| 29.678 | 15.903 |
| 30.82 | 16.489 |
| 31.961 | 16.419 |
| 33.103 | 17.351 |
| 34.244 | 16.649 |
| 35.386 | 16.168 |
| 36.527 | 16.517 |
| 37.669 | 16.082 |
| 38.81 | 17.936 |
| 39.952 | 20.272 |
| 41.093 | 20.288 |
| 42.234 | 18.428 |
| 43.376 | 16.87 |
| 44.517 | 17.389 |
| 45.659 | 18.364 |
| 46.8 | 18.827 |
| 47.942 | 18.522 |
| 49.083 | 17.522 |
| 50.225 | 17.187 |
| 51.366 | 17.61 |
| 52.508 | 18.279 |
| 53.649 | 19.031 |

plot_profile_sample

| | |
|---------|--------|
| 54.791 | 19.169 |
| 55.932 | 18.994 |
| 57.074 | 18.77 |
| 58.215 | 18.755 |
| 59.357 | 19.473 |
| 60.498 | 19.528 |
| 61.639 | 18.528 |
| 62.781 | 17.529 |
| 63.922 | 17 |
| 65.064 | 17.162 |
| 66.205 | 17.641 |
| 67.347 | 18.327 |
| 68.488 | 18.249 |
| 69.63 | 17.515 |
| 70.771 | 17.71 |
| 71.913 | 18.689 |
| 73.054 | 18.735 |
| 74.196 | 17.63 |
| 75.337 | 16.069 |
| 76.479 | 15 |
| 77.62 | 16.803 |
| 78.762 | 18.529 |
| 79.903 | 17.542 |
| 81.044 | 16.996 |
| 82.186 | 15.651 |
| 83.327 | 15.396 |
| 84.469 | 17 |
| 85.61 | 16.539 |
| 86.752 | 16.902 |
| 87.893 | 18.398 |
| 89.035 | 18.879 |
| 90.176 | 18.794 |
| 91.318 | 18.295 |
| 92.459 | 17.647 |
| 93.601 | 17.126 |
| 94.742 | 16.259 |
| 95.884 | 16.252 |
| 97.025 | 17.789 |
| 98.167 | 19.232 |
| 99.308 | 19.015 |
| 100.45 | 18.883 |
| 101.591 | 19.842 |
| 102.732 | 19.894 |
| 103.874 | 19.307 |
| 105.015 | 20.05 |
| 106.157 | 20.548 |
| 107.298 | 18.914 |
| 108.44 | 16.929 |
| 109.581 | 17.206 |

plot_profile_sample

| | |
|---------|--------|
| 110.723 | 18.082 |
| 111.864 | 16.394 |
| 113.006 | 15.439 |
| 114.147 | 16.211 |
| 115.289 | 16.047 |
| 116.43 | 15.315 |
| 117.572 | 14.656 |
| 118.713 | 15.159 |
| 119.855 | 17.096 |
| 120.996 | 17.4 |
| 122.137 | 16.519 |
| 123.279 | 16.172 |
| 124.42 | 16 |
| 125.562 | 16 |
| 126.703 | 15.886 |
| 127.845 | 15.14 |
| 128.986 | 14.673 |
| 130.128 | 15 |
| 131.269 | 15.367 |
| 132.411 | 16.101 |
| 133.552 | 16.552 |
| 134.694 | 16.384 |
| 135.835 | 16 |
| 136.977 | 16.028 |
| 138.118 | 16.462 |
| 139.26 | 16.574 |
| 140.401 | 16.438 |
| 141.542 | 17.421 |
| 142.684 | 17.508 |
| 143.825 | 16.484 |
| 144.967 | 16.28 |
| 146.108 | 15.632 |
| 147.25 | 14.601 |
| 148.391 | 15.649 |
| 149.533 | 16.09 |
| 150.674 | 16.786 |
| 151.816 | 17.801 |
| 152.957 | 16.92 |
| 154.099 | 16.844 |
| 155.24 | 17.474 |
| 156.382 | 16.251 |
| 157.523 | 16.3 |
| 158.665 | 16.252 |
| 159.806 | 16.086 |
| 160.948 | 16.947 |
| 162.089 | 17.909 |
| 163.23 | 19.024 |
| 164.372 | 19.153 |
| 165.513 | 18.133 |

plot_profile_sample

| | |
|---------|--------|
| 166.655 | 17.734 |
| 167.796 | 17.576 |
| 168.938 | 16.577 |
| 170.079 | 15.376 |
| 171.221 | 14.507 |
| 172.362 | 15.463 |
| 173.504 | 17.99 |
| 174.645 | 19.272 |
| 175.787 | 17.772 |
| 176.928 | 16.29 |
| 178.07 | 16.75 |
| 179.211 | 17.085 |
| 180.353 | 16.411 |
| 181.494 | 16 |
| 182.635 | 16.417 |
| 183.777 | 17 |
| 184.918 | 16.346 |
| 186.06 | 16.215 |
| 187.201 | 18.374 |
| 188.343 | 19.083 |
| 189.484 | 18.054 |
| 190.626 | 18.111 |
| 191.767 | 16.816 |
| 192.909 | 15.383 |
| 194.05 | 15.58 |
| 195.192 | 14.632 |
| 196.333 | 14.837 |
| 197.475 | 15.599 |
| 198.616 | 14.664 |
| 199.758 | 14.887 |
| 200.899 | 15.579 |
| 202.04 | 14.684 |
| 203.182 | 14.066 |
| 204.323 | 14.407 |
| 205.465 | 15.468 |
| 206.606 | 16.914 |
| 207.748 | 18.654 |
| 208.889 | 19.341 |
| 210.031 | 19 |
| 211.172 | 18.897 |
| 212.314 | 18.836 |
| 213.455 | 18.881 |
| 214.597 | 18.007 |
| 215.738 | 17.135 |
| 216.88 | 18.158 |
| 218.021 | 19.225 |
| 219.163 | 19 |
| 220.304 | 18.201 |
| 221.446 | 17.399 |

plot_profile_sample

| | |
|---------|--------|
| 222.587 | 18.615 |
| 223.728 | 18.917 |
| 224.87 | 17.6 |
| 226.011 | 16.036 |
| 227.153 | 14.691 |
| 228.294 | 15.675 |
| 229.436 | 16.843 |
| 230.577 | 16.961 |
| 231.719 | 16.992 |
| 232.86 | 16.185 |
| 234.002 | 15.859 |
| 235.143 | 17.984 |
| 236.285 | 19.215 |
| 237.426 | 17.499 |
| 238.568 | 17.031 |
| 239.709 | 18.49 |
| 240.851 | 19.525 |
| 241.992 | 18.956 |
| 243.133 | 19.178 |
| 244.275 | 19.035 |
| 245.416 | 19.532 |
| 246.558 | 20.352 |
| 247.699 | 19.591 |
| 248.841 | 19.404 |
| 249.982 | 19.944 |
| 251.124 | 19.978 |
| 252.265 | 19.988 |
| 253.407 | 19.605 |
| 254.548 | 18.61 |
| 255.69 | 18.411 |
| 256.831 | 19.358 |
| 257.973 | 19.149 |
| 259.114 | 17.171 |
| 260.256 | 17.048 |
| 261.397 | 18.437 |
| 262.538 | 17.62 |
| 263.68 | 17.688 |
| 264.821 | 19.394 |
| 265.963 | 20.695 |
| 267.104 | 21.443 |
| 268.246 | 20.801 |
| 269.387 | 19.666 |
| 270.529 | 20.569 |
| 271.67 | 20.876 |
| 272.812 | 20.782 |
| 273.953 | 21 |
| 275.095 | 20.022 |
| 276.236 | 19.005 |
| 277.378 | 20.695 |

plot_profile_sample

| | |
|---------|--------|
| 278.519 | 20.951 |
| 279.661 | 19.042 |
| 280.802 | 18.481 |
| 281.944 | 18.132 |
| 283.085 | 17.468 |
| 284.226 | 17.486 |
| 285.368 | 18.683 |
| 286.509 | 20.524 |
| 287.651 | 19.649 |
| 288.792 | 18.231 |
| 289.934 | 18.368 |
| 291.075 | 18.88 |
| 292.217 | 18.919 |
| 293.358 | 19.181 |
| 294.5 | 18.903 |
| 295.641 | 18.934 |
| 296.783 | 19.589 |
| 297.924 | 20.13 |
| 299.066 | 20.067 |
| 300.207 | 20.163 |
| 301.349 | 19.78 |
| 302.49 | 19.44 |
| 303.631 | 20 |
| 304.773 | 19.97 |
| 305.914 | 20.276 |
| 307.056 | 20.917 |
| 308.197 | 19.886 |
| 309.339 | 17.998 |
| 310.48 | 18.735 |
| 311.622 | 20.648 |
| 312.763 | 20.412 |
| 313.905 | 18.554 |
| 315.046 | 20.548 |
| 316.188 | 21.965 |
| 317.329 | 22.091 |
| 318.471 | 22.652 |
| 319.612 | 23.947 |
| 320.754 | 25.335 |
| 321.895 | 27.366 |
| 323.036 | 26.451 |
| 324.178 | 23.591 |
| 325.319 | 19.693 |
| 326.461 | 17.793 |
| 327.602 | 18.563 |
| 328.744 | 17.853 |
| 329.885 | 17.477 |
| 331.027 | 18.035 |
| 332.168 | 17.612 |
| 333.31 | 18.348 |

plot_profile_sample

| | |
|---------|--------|
| 334.451 | 19.155 |
| 335.593 | 19.651 |
| 336.734 | 20 |
| 337.876 | 19.654 |
| 339.017 | 18.818 |
| 340.159 | 18.642 |
| 341.3 | 19.046 |
| 342.442 | 19.803 |
| 343.583 | 21 |
| 344.724 | 20.53 |
| 345.866 | 19.648 |
| 347.007 | 19.44 |
| 348.149 | 18.765 |
| 349.29 | 18.39 |
| 350.432 | 18.697 |
| 351.573 | 19.68 |
| 352.715 | 20.634 |
| 353.856 | 20.177 |
| 354.998 | 21.58 |
| 356.139 | 22.38 |
| 357.281 | 21.239 |
| 358.422 | 21.077 |
| 359.564 | 19.852 |
| 360.705 | 20.476 |
| 361.847 | 19.493 |
| 362.988 | 20.047 |
| 364.129 | 19.359 |
| 365.271 | 18.345 |
| 366.412 | 18.334 |
| 367.554 | 16.989 |
| 368.695 | 16.946 |
| 369.837 | 17.282 |
| 370.978 | 18 |
| 372.12 | 17.962 |
| 373.261 | 17.954 |
| 374.403 | 19.041 |
| 375.544 | 20.824 |
| 376.686 | 20.476 |
| 377.827 | 20.182 |
| 378.969 | 20.75 |
| 380.11 | 19.688 |
| 381.252 | 18.319 |
| 382.393 | 17.893 |
| 383.534 | 18.072 |
| 384.676 | 17.794 |
| 385.817 | 16.874 |
| 386.959 | 17.055 |
| 388.1 | 15.624 |
| 389.242 | 14.458 |

plot_profile_sample

| | |
|---------|--------|
| 390.383 | 15.762 |
| 391.525 | 16.929 |
| 392.666 | 17.973 |
| 393.808 | 17.84 |
| 394.949 | 17.646 |
| 396.091 | 18.812 |
| 397.232 | 19.246 |
| 398.374 | 16.87 |
| 399.515 | 18.305 |
| 400.657 | 18.623 |
| 401.798 | 17.204 |
| 402.94 | 17.556 |
| 404.081 | 17.351 |
| 405.222 | 17.484 |
| 406.364 | 17.916 |
| 407.505 | 18.097 |
| 408.647 | 18.088 |
| 409.788 | 17.852 |
| 410.93 | 18.252 |
| 412.071 | 19.192 |
| 413.213 | 19.473 |
| 414.354 | 17.916 |
| 415.496 | 17.389 |
| 416.637 | 18.339 |
| 417.779 | 19.36 |
| 418.92 | 19.984 |
| 420.062 | 19.659 |
| 421.203 | 18.375 |
| 422.345 | 17.011 |
| 423.486 | 16.702 |
| 424.627 | 16.34 |
| 425.769 | 17.591 |
| 426.91 | 19.827 |
| 428.052 | 21.619 |
| 429.193 | 19.518 |
| 430.335 | 16.712 |
| 431.476 | 18 |
| 432.618 | 17.885 |
| 433.759 | 17.642 |
| 434.901 | 18.14 |
| 436.042 | 19.301 |
| 437.184 | 20.219 |
| 438.325 | 21.184 |
| 439.467 | 21.6 |
| 440.608 | 20.696 |
| 441.75 | 21.246 |
| 442.891 | 19.188 |
| 444.033 | 21.139 |
| 445.174 | 22.585 |

plot_profile_sample

| | |
|---------|--------|
| 446.315 | 21.836 |
| 447.457 | 20.176 |
| 448.598 | 18.155 |
| 449.74 | 19.241 |
| 450.881 | 20.848 |
| 452.023 | 20.013 |
| 453.164 | 19.052 |
| 454.306 | 19.469 |
| 455.447 | 19.596 |
| 456.589 | 19.437 |
| 457.73 | 19 |
| 458.872 | 19 |
| 460.013 | 18.71 |
| 461.155 | 18.202 |
| 462.296 | 19.007 |
| 463.438 | 20.027 |
| 464.579 | 20.689 |
| 465.72 | 20.334 |
| 466.862 | 20.603 |
| 468.003 | 22.117 |
| 469.145 | 21.126 |
| 470.286 | 22.391 |
| 471.428 | 23.19 |
| 472.569 | 21.573 |
| 473.711 | 21.284 |
| 474.852 | 21.967 |
| 475.994 | 22.184 |
| 477.135 | 22.932 |
| 478.277 | 22.719 |
| 479.418 | 21.987 |
| 480.56 | 21.096 |
| 481.701 | 19 |
| 482.843 | 19 |
| 483.984 | 19.029 |
| 485.125 | 18.845 |
| 486.267 | 18.422 |
| 487.408 | 19.629 |
| 488.55 | 20.209 |
| 489.691 | 18.924 |
| 490.833 | 20.88 |
| 491.974 | 23.754 |
| 493.116 | 22.78 |
| 494.257 | 20.129 |
| 495.399 | 19.778 |
| 496.54 | 20.184 |
| 497.682 | 20.38 |
| 498.823 | 19.633 |
| 499.965 | 19.823 |
| 501.106 | 20.408 |

plot_profile_sample

| | |
|---------|--------|
| 502.248 | 20.854 |
| 503.389 | 21.757 |
| 504.53 | 21.062 |
| 505.672 | 20.752 |
| 506.813 | 20.387 |
| 507.955 | 21.881 |
| 509.096 | 22.585 |
| 510.238 | 21.43 |
| 511.379 | 21.567 |
| 512.521 | 23.125 |
| 513.662 | 25.227 |
| 514.804 | 23.052 |
| 515.945 | 25.087 |
| 517.087 | 24.881 |
| 518.228 | 23.824 |
| 519.37 | 23.671 |
| 520.511 | 22.521 |
| 521.653 | 23.701 |
| 522.794 | 24.486 |
| 523.936 | 23.395 |
| 525.077 | 23.265 |
| 526.218 | 25.44 |
| 527.36 | 27.439 |
| 528.501 | 24.846 |
| 529.643 | 24.624 |
| 530.784 | 26.096 |
| 531.926 | 25.731 |
| 533.067 | 24.719 |
| 534.209 | 24.254 |
| 535.35 | 25.52 |
| 536.492 | 27.219 |
| 537.633 | 27.928 |
| 538.775 | 27.63 |
| 539.916 | 27.533 |
| 541.058 | 29.595 |
| 542.199 | 31.253 |
| 543.341 | 31.96 |
| 544.482 | 32.576 |
| 545.623 | 35.253 |
| 546.765 | 36.255 |
| 547.906 | 35.4 |
| 549.048 | 36.239 |
| 550.189 | 37.969 |
| 551.331 | 39.023 |
| 552.472 | 39.761 |
| 553.614 | 39.719 |
| 554.755 | 42.993 |
| 555.897 | 46.483 |
| 557.038 | 47.934 |

plot_profile_sample

| | |
|---------|---------|
| 558.18 | 51.317 |
| 559.321 | 56.53 |
| 560.463 | 64.598 |
| 561.604 | 75.363 |
| 562.746 | 85.012 |
| 563.887 | 97.331 |
| 565.029 | 107.778 |
| 566.17 | 113.083 |
| 567.311 | 118.281 |
| 568.453 | 120.664 |
| 569.594 | 119.385 |
| 570.736 | 118.391 |
| 571.877 | 118.302 |
| 573.019 | 121.953 |
| 574.16 | 128.824 |
| 575.302 | 135.816 |
| 576.443 | 138.75 |
| 577.585 | 139.479 |
| 578.726 | 141.513 |
| 579.868 | 138.626 |
| 581.009 | 134.101 |
| 582.151 | 134.525 |
| 583.292 | 134.627 |
| 584.434 | 128.799 |
| 585.575 | 124.206 |
| 586.716 | 119.87 |
| 587.858 | 115.636 |
| 588.999 | 114.509 |
| 590.141 | 115.078 |
| 591.282 | 110.02 |
| 592.424 | 104.016 |
| 593.565 | 105.275 |
| 594.707 | 105.276 |
| 595.848 | 107.348 |
| 596.99 | 114.993 |
| 598.131 | 123.584 |
| 599.273 | 146.471 |
| 600.414 | 169.629 |
| 601.556 | 174.892 |
| 602.697 | 171.65 |
| 603.839 | 169.009 |
| 604.98 | 168.304 |
| 606.121 | 168.229 |
| 607.263 | 167.285 |
| 608.404 | 165.285 |
| 609.546 | 160.441 |
| 610.687 | 149.544 |
| 611.829 | 143.338 |
| 612.97 | 140.855 |

plot_profile_sample

| | |
|---------|---------|
| 614.112 | 128.08 |
| 615.253 | 111.446 |
| 616.395 | 97.153 |
| 617.536 | 83.026 |
| 618.678 | 71.203 |
| 619.819 | 65.971 |
| 620.961 | 63.466 |
| 622.102 | 61.61 |
| 623.244 | 62.771 |
| 624.385 | 67.527 |
| 625.526 | 73.337 |
| 626.668 | 75.559 |
| 627.809 | 74.003 |
| 628.951 | 70.047 |
| 630.092 | 66.908 |
| 631.234 | 64.78 |
| 632.375 | 65.949 |
| 633.517 | 69.946 |
| 634.658 | 69.595 |
| 635.8 | 59.421 |
| 636.941 | 48.221 |
| 638.083 | 45.497 |
| 639.224 | 44.554 |
| 640.366 | 42.099 |
| 641.507 | 39.076 |
| 642.649 | 38.57 |
| 643.79 | 36.336 |
| 644.932 | 34.206 |
| 646.073 | 34.997 |
| 647.214 | 34.586 |
| 648.356 | 32.796 |
| 649.497 | 32.204 |
| 650.639 | 32.607 |
| 651.78 | 30.848 |
| 652.922 | 29.893 |
| 654.063 | 29.646 |
| 655.205 | 28.765 |
| 656.346 | 28.866 |
| 657.488 | 28.175 |
| 658.629 | 27.574 |
| 659.771 | 27.83 |
| 660.912 | 25.95 |
| 662.054 | 24.7 |
| 663.195 | 24.289 |
| 664.337 | 24.371 |
| 665.478 | 24.266 |
| 666.62 | 22.828 |
| 667.761 | 23.421 |
| 668.902 | 23.804 |

plot_profile_sample

| | |
|---------|--------|
| 670.044 | 24.784 |
| 671.185 | 24.96 |
| 672.327 | 22.258 |
| 673.468 | 21.483 |
| 674.61 | 21.795 |
| 675.751 | 22.902 |
| 676.893 | 22.365 |
| 678.034 | 21.979 |
| 679.176 | 22.607 |
| 680.317 | 24.267 |
| 681.459 | 24.745 |
| 682.6 | 22 |
| 683.742 | 22 |
| 684.883 | 22.066 |
| 686.024 | 22.203 |
| 687.166 | 21.671 |
| 688.307 | 22.412 |
| 689.449 | 21.417 |
| 690.59 | 23.882 |
| 691.732 | 26.465 |
| 692.873 | 25 |
| 694.015 | 24.603 |
| 695.156 | 22.491 |
| 696.298 | 20.9 |
| 697.439 | 21.019 |
| 698.581 | 20.733 |
| 699.722 | 19.134 |
| 700.864 | 19.289 |
| 702.005 | 20.017 |
| 703.147 | 20.179 |
| 704.288 | 21.013 |
| 705.43 | 20.96 |
| 706.571 | 20.95 |
| 707.712 | 21.192 |
| 708.854 | 22.278 |
| 709.995 | 23.1 |
| 711.137 | 23.076 |
| 712.278 | 23.234 |
| 713.42 | 22.811 |
| 714.561 | 23.84 |
| 715.703 | 24.691 |
| 716.844 | 22.854 |
| 717.986 | 21.427 |
| 719.127 | 23.482 |
| 720.269 | 23.285 |
| 721.41 | 21.324 |
| 722.552 | 21.344 |
| 723.693 | 21.303 |
| 724.835 | 21.17 |

plot_profile_sample

| | |
|---------|--------|
| 725.976 | 21.831 |
| 727.117 | 21 |
| 728.259 | 20.925 |
| 729.4 | 20.378 |
| 730.542 | 19.703 |
| 731.683 | 20.744 |
| 732.825 | 21.913 |
| 733.966 | 21.303 |
| 735.108 | 20.403 |
| 736.249 | 19.685 |
| 737.391 | 20.38 |
| 738.532 | 21.257 |
| 739.674 | 21.249 |
| 740.815 | 21 |
| 741.957 | 21.162 |
| 743.098 | 22 |
| 744.24 | 21.678 |
| 745.381 | 20 |
| 746.523 | 20.037 |
| 747.664 | 20.242 |
| 748.805 | 20.506 |
| 749.947 | 20.431 |
| 751.088 | 16.468 |
| 752.23 | 16.943 |
| 753.371 | 19.059 |
| 754.513 | 18.345 |
| 755.654 | 19.492 |
| 756.796 | 21.505 |
| 757.937 | 23.699 |
| 759.079 | 22.166 |
| 760.22 | 23.139 |
| 761.362 | 23.818 |
| 762.503 | 22.712 |
| 763.645 | 21.302 |
| 764.786 | 21.477 |
| 765.928 | 17.827 |
| 767.069 | 19.402 |
| 768.21 | 20.156 |
| 769.352 | 20.027 |
| 770.493 | 19.167 |
| 771.635 | 19.168 |
| 772.776 | 20.051 |
| 773.918 | 19.68 |
| 775.059 | 18.082 |
| 776.201 | 18.699 |
| 777.342 | 19.616 |
| 778.484 | 21.323 |
| 779.625 | 21.045 |
| 780.767 | 19.243 |

plot_profile_sample

| | |
|---------|--------|
| 781.908 | 16.799 |
| 783.05 | 15.723 |
| 784.191 | 16.782 |
| 785.333 | 18.133 |
| 786.474 | 18.339 |
| 787.615 | 17.501 |
| 788.757 | 17.619 |
| 789.898 | 18.458 |
| 791.04 | 18.438 |
| 792.181 | 18.418 |
| 793.323 | 18.426 |
| 794.464 | 18.451 |
| 795.606 | 17.406 |
| 796.747 | 17.855 |
| 797.889 | 19.273 |
| 799.03 | 21.096 |
| 800.172 | 21.724 |
| 801.313 | 21.61 |
| 802.455 | 20.899 |
| 803.596 | 21.575 |
| 804.738 | 20.035 |
| 805.879 | 18.977 |
| 807.021 | 18.866 |
| 808.162 | 19.132 |
| 809.303 | 19.985 |
| 810.445 | 19.658 |
| 811.586 | 18.27 |
| 812.728 | 20.298 |
| 813.869 | 21.714 |
| 815.011 | 19.745 |
| 816.152 | 18.009 |
| 817.294 | 18.305 |
| 818.435 | 20 |
| 819.577 | 19.991 |
| 820.718 | 19.911 |
| 821.86 | 19.904 |
| 823.001 | 19.859 |
| 824.143 | 18.638 |
| 825.284 | 17.376 |
| 826.426 | 18.662 |
| 827.567 | 17.629 |
| 828.708 | 18 |
| 829.85 | 18 |
| 830.991 | 18.033 |
| 832.133 | 18.413 |
| 833.274 | 19.358 |
| 834.416 | 19.667 |
| 835.557 | 19.689 |
| 836.699 | 19.956 |

plot_profile_sample

| | |
|---------|--------|
| 837.84 | 19.724 |
| 838.982 | 20.566 |
| 840.123 | 20.333 |
| 841.265 | 19.482 |
| 842.406 | 18.884 |
| 843.548 | 17.999 |
| 844.689 | 18.205 |
| 845.831 | 19.644 |
| 846.972 | 19.824 |
| 848.113 | 19.401 |
| 849.255 | 20.471 |
| 850.396 | 20.888 |
| 851.538 | 20.112 |
| 852.679 | 21.073 |
| 853.821 | 21.567 |
| 854.962 | 20.434 |
| 856.104 | 18.203 |
| 857.245 | 17.85 |
| 858.387 | 20.347 |
| 859.528 | 19.065 |
| 860.67 | 18.037 |
| 861.811 | 19.981 |
| 862.953 | 19.661 |
| 864.094 | 18.048 |
| 865.236 | 17.319 |
| 866.377 | 18.105 |
| 867.518 | 19 |
| 868.66 | 18.896 |
| 869.801 | 17.996 |
| 870.943 | 18.185 |
| 872.084 | 19.995 |
| 873.226 | 19.898 |
| 874.367 | 18.793 |
| 875.509 | 16.93 |
| 876.65 | 16.933 |
| 877.792 | 17.692 |
| 878.933 | 16.689 |
| 880.075 | 16.342 |
| 881.216 | 18.345 |
| 882.358 | 20.036 |
| 883.499 | 20.371 |
| 884.641 | 19.785 |
| 885.782 | 17.705 |
| 886.924 | 17.337 |
| 888.065 | 18.068 |
| 889.206 | 18.693 |
| 890.348 | 18.64 |
| 891.489 | 18.502 |
| 892.631 | 19.814 |

plot_profile_sample

| | |
|---------|--------|
| 893.772 | 18.057 |
| 894.914 | 18.592 |
| 896.055 | 18.375 |
| 897.197 | 16.549 |
| 898.338 | 17.627 |
| 899.48 | 18.483 |
| 900.621 | 18.089 |
| 901.763 | 19.047 |
| 902.904 | 19.462 |
| 904.046 | 18.684 |
| 905.187 | 19.818 |
| 906.329 | 19.69 |
| 907.47 | 18.705 |
| 908.612 | 18.348 |
| 909.753 | 18.356 |
| 910.894 | 18.582 |
| 912.036 | 18.209 |
| 913.177 | 18.901 |
| 914.319 | 20.042 |
| 915.46 | 20.273 |
| 916.602 | 17.206 |
| 917.743 | 17.14 |
| 918.885 | 16.534 |
| 920.026 | 15.081 |
| 921.168 | 16.23 |
| 922.309 | 18.904 |
| 923.451 | 18.908 |
| 924.592 | 17.956 |
| 925.734 | 18.96 |
| 926.875 | 18.843 |
| 928.017 | 16.997 |
| 929.158 | 17 |
| 930.299 | 17.07 |
| 931.441 | 17.956 |
| 932.582 | 18.766 |
| 933.724 | 18.638 |
| 934.865 | 17.772 |
| 936.007 | 17.798 |
| 937.148 | 17.05 |
| 938.29 | 17.7 |
| 939.431 | 18.401 |
| 940.573 | 18.442 |
| 941.714 | 19.74 |
| 942.856 | 19.625 |
| 943.997 | 21.05 |
| 945.139 | 21.609 |
| 946.28 | 20.357 |
| 947.422 | 20.227 |
| 948.563 | 18.865 |

plot_profile_sample

| | |
|----------|--------|
| 949.704 | 16.984 |
| 950.846 | 16.965 |
| 951.987 | 19.185 |
| 953.129 | 18.066 |
| 954.27 | 19.035 |
| 955.412 | 19.485 |
| 956.553 | 18.768 |
| 957.695 | 15.506 |
| 958.836 | 16.076 |
| 959.978 | 18.475 |
| 961.119 | 17.073 |
| 962.261 | 15.568 |
| 963.402 | 15.023 |
| 964.544 | 15.414 |
| 965.685 | 16.334 |
| 966.827 | 16.217 |
| 967.968 | 14.8 |
| 969.109 | 16.299 |
| 970.251 | 16.704 |
| 971.392 | 16.128 |
| 972.534 | 18.188 |
| 973.675 | 17.696 |
| 974.817 | 15.959 |
| 975.958 | 18.189 |
| 977.1 | 18.815 |
| 978.241 | 17.836 |
| 979.383 | 16.812 |
| 980.524 | 15.07 |
| 981.666 | 15.049 |
| 982.807 | 15.028 |
| 983.949 | 14.949 |
| 985.09 | 14.1 |
| 986.232 | 16.007 |
| 987.373 | 17.799 |
| 988.515 | 15.935 |
| 989.656 | 16.186 |
| 990.797 | 17.909 |
| 991.939 | 16.187 |
| 993.08 | 17.347 |
| 994.222 | 18.08 |
| 995.363 | 16.176 |
| 996.505 | 15.858 |
| 997.646 | 17.387 |
| 998.788 | 19.191 |
| 999.929 | 18.199 |
| 1001.071 | 16.609 |
| 1002.212 | 16.884 |
| 1003.354 | 14.293 |
| 1004.495 | 13.314 |

plot_profile_sample

| | |
|----------|--------|
| 1005.637 | 12.361 |
| 1006.778 | 12.066 |
| 1007.92 | 13.583 |
| 1009.061 | 13.602 |
| 1010.202 | 14.56 |
| 1011.344 | 15.059 |
| 1012.485 | 16.482 |
| 1013.627 | 15.944 |
| 1014.768 | 14.611 |
| 1015.91 | 16.461 |
| 1017.051 | 16.985 |
| 1018.193 | 16.564 |
| 1019.334 | 15.598 |
| 1020.476 | 14.943 |
| 1021.617 | 13.293 |
| 1022.759 | 12.034 |
| 1023.9 | 13.033 |
| 1025.042 | 13.991 |
| 1026.183 | 13.758 |
| 1027.325 | 14.262 |
| 1028.466 | 13.572 |
| 1029.608 | 13.895 |
| 1030.749 | 16.793 |
| 1031.89 | 15.768 |
| 1033.032 | 13.302 |
| 1034.173 | 14.257 |
| 1035.315 | 15.068 |
| 1036.456 | 14.158 |
| 1037.598 | 16.977 |
| 1038.739 | 14.076 |
| 1039.881 | 13.066 |
| 1041.022 | 15.017 |
| 1042.164 | 15.1 |
| 1043.305 | 16.908 |
| 1044.447 | 15.157 |
| 1045.588 | 16.191 |
| 1046.73 | 16.849 |
| 1047.871 | 15.048 |
| 1049.013 | 17.191 |
| 1050.154 | 19.207 |
| 1051.295 | 21 |
| 1052.437 | 20.988 |
| 1053.578 | 20.418 |
| 1054.72 | 18.498 |
| 1055.861 | 18.539 |
| 1057.003 | 18.556 |
| 1058.144 | 17.324 |
| 1059.286 | 17.997 |
| 1060.427 | 17.294 |

plot_profile_sample

| | |
|----------|--------|
| 1061.569 | 17.01 |
| 1062.71 | 17.587 |
| 1063.852 | 16.168 |
| 1064.993 | 15.589 |
| 1066.135 | 17 |
| 1067.276 | 17.006 |
| 1068.417 | 17.473 |
| 1069.559 | 16.032 |
| 1070.7 | 16.617 |
| 1071.842 | 18.07 |
| 1072.983 | 14.865 |
| 1074.125 | 16.01 |
| 1075.266 | 16.986 |
| 1076.408 | 15.653 |
| 1077.549 | 17.658 |
| 1078.691 | 17.989 |
| 1079.832 | 16.708 |
| 1080.974 | 18.289 |
| 1082.115 | 19.002 |
| 1083.257 | 19.24 |
| 1084.398 | 18.769 |
| 1085.54 | 17.39 |
| 1086.681 | 17.186 |
| 1087.823 | 17.839 |
| 1088.964 | 18.138 |
| 1090.105 | 17.016 |
| 1091.247 | 22.106 |
| 1092.388 | 23.833 |
| 1093.53 | 21.815 |
| 1094.671 | 20.036 |
| 1095.813 | 16.041 |
| 1096.954 | 17 |