

## **APPENDIX E.**

### **Trace-Metal Data**

Table E1. Metals data for core PTMC-3

| Top Depth (cm) | Center Depth (cm) | P ppm | Fe weight percent | Mn ppm | Al weight percent | Ti weight percent | Ca weight percent | Mg weight percent | Na weight percent | K weight percent | Zn ppm | Ni ppm |
|----------------|-------------------|-------|-------------------|--------|-------------------|-------------------|-------------------|-------------------|-------------------|------------------|--------|--------|
| 10             | 11                | 650   | 3.70              | 450    | NA                | 0.50              | 0.75              | 1.21              | 2.16              | 2.08             | 146    | 36     |
| 20             | 21                | 723   | 4.34              | 723    | 7.81              | 0.56              | 1.03              | 1.27              | 2.15              | 2.04             | 163    | 37     |
| 30             | 31                | 701   | 3.99              | 584    | 7.26              | 0.51              | 0.73              | 1.18              | 1.96              | 2.14             | 164    | 39     |
| 40             | 41                | 653   | 4.35              | 861    | 8.10              | 0.57              | 0.96              | 1.31              | 2.11              | 2.04             | 139    | 38     |
| 50             | 51                | 534   | 3.89              | 593    | 7.23              | 0.48              | 0.66              | 1.28              | 2.13              | 2.18             | 136    | 39     |
| 60             | 61                | 525   | 3.53              | 573    | 6.91              | 0.49              | 0.71              | 1.23              | 2.08              | 2.21             | 130    | 36     |
| 70             | 71                | 541   | 3.94              | 596    | 7.25              | 0.48              | 0.69              | 1.23              | 2.09              | 2.13             | 135    | 37     |
| 80             | 81                | 560   | 3.97              | 567    | 7.10              | 0.51              | 0.72              | 1.25              | 2.14              | 2.18             | 119    | 36     |
| 90             | 91                | 548   | 3.82              | 566    | 7.05              | 0.50              | 0.70              | 1.21              | 2.13              | 2.14             | 119    | 36     |
| 100            | 101               | 546   | 3.8               | 537    | 6.05              | 0.49              | 0.64              | 1.27              | 1.92              | 3.1              | 105    | 38     |
| 110            | 111               | 563   | 3.85              | 454    | 7.19              | 0.50              | 0.66              | 1.19              | 1.96              | 2.14             | 113    | 35     |
| 120            | 121               | 483   | 3.76              | 551    | 6.85              | 0.46              | 0.63              | 0.01              | 1.69              | 1.98             | 106    | 33     |
| 130            | 131               | 533   | 3.64              | 483    | 7.03              | 0.49              | 0.73              | 1.17              | 1.83              | 2.10             | 83     | 30     |
| 140            | 141               | 543   | 3.9               | 442    | 6.9               | 0.46              | 0.74              | 1.34              | 1.85              | 2.92             | 76     | 31     |
| 150            | 151               | 571   | 3.49              | 400    | 6.37              | 0.46              | 0.74              | 1.12              | 1.75              | 1.99             | 72     | 25     |
| 160            | 161               | 621   | 3.86              | 490    | 6.9               | 0.48              | 0.71              | 1.33              | 1.75              | 2.92             | 81     | 36     |
| 170            | 171               | 504   | 3.44              | 418    | 6.38              | 0.46              | 0.79              | 1.14              | 1.84              | 1.97             | 72     | 25     |
| 180            | 181               | 633   | 3.64              | 464    | 6.65              | 0.46              | 0.78              | 1.32              | 1.8               | 2.82             | 75     | 33     |
| 190            | 191               | 485   | 3.27              | 394    | 6.16              | 0.45              | 0.72              | 1.09              | 1.70              | 1.87             | 71     | 24     |
| 198            | 199               | 533   | 3.32              | 512    | 6.78              | 0.45              | 0.60              | 1.11              | 1.83              | 2.07             | 77     | 27     |
| 210            | 211               | 514   | 3.21              | 443    | 6.31              | 0.43              | 0.78              | 1.14              | 1.81              | 1.86             | 72     | 25     |
| 220            | 221               | 591   | 3.52              | 458    | 6.61              | 0.47              | 0.81              | 1.28              | 1.79              | 2.82             | 73     | 37     |
| 226            | 227               | 548   | 3.34              | 462    | 6.45              | 0.54              | 0.88              | 1.15              | 1.77              | 1.87             | 73     | 25     |
| 230            | 231               | 508   | 3.12              | 442    | 6.03              | 0.46              | 0.93              | 1.05              | 1.73              | 1.89             | 65     | 22     |
| 240            | 241               | 491   | 3.30              | 438    | 6.58              | 0.46              | 0.68              | 1.14              | 1.81              | 2.03             | 83     | 29     |
| 246            | 247               | 525   | 3.10              | 401    | 6.23              | 0.44              | 0.82              | 1.10              | 1.73              | 1.72             | 65     | 23     |
| 260            | 261               | 524   | 3.58              | 434    | 6.74              | 0.46              | 0.77              | 1.3               | 1.85              | 2.96             | 75     | 31     |
| 270            | 271               | 525   | 3.50              | 503    | 6.87              | 0.47              | 0.78              | 1.18              | 1.88              | 2.13             | 83     | 30     |
| 280            | 281               | 515   | 3.63              | 426    | 6.52              | 0.47              | 0.8               | 1.25              | 1.81              | 2.87             | 72     | 34     |
| 290            | 291               | 498   | 3.32              | 422    | 6.44              | 0.48              | 0.82              | 1.10              | 1.80              | 1.98             | 73     | 26     |
| 296            | 297               | 557   | 3.64              | 564    | 6.72              | 0.46              | 0.78              | 1.29              | 1.85              | 2.9              | 74     | 32     |
| 310            | 311               | 496   | 3.37              | 380    | 6.70              | 0.49              | 0.76              | 1.16              | 1.74              | 2.09             | 77     | 28     |
| 320            | 321               | 461   | 3.42              | 429    | 6.70              | 0.47              | 0.72              | 1.13              | 1.70              | 2.07             | 81     | 27     |
| 330            | 331               | 544   | 3.33              | 437    | 6.48              | 0.47              | 0.78              | 1.10              | 1.66              | 2.01             | 74     | 27     |
| 336            | 337               | 524   | 3.56              | 448    | 6.66              | 0.47              | 0.76              | 1.28              | 1.62              | 2.85             | 72     | 29     |
| 350            | 351               | 534   | 3.60              | 410    | 6.83              | 0.50              | 0.79              | 1.18              | 1.78              | 2.14             | 79     | 28     |
| 360            | 361               | 541   | 3.48              | 419    | 6.47              | 0.48              | 0.79              | 1.13              | 1.61              | 2.01             | 77     | 30     |
| 370            | 371               | 538   | 3.55              | 455    | 6.59              | 0.50              | 0.86              | 1.13              | 1.77              | 2.05             | 77     | 28     |
| 380            | 381               | 505   | 3.77              | 490    | 6.81              | 0.47              | 0.73              | 1.31              | 1.69              | 2.82             | 78     | 32     |
| 390            | 391               | 476   | 3.53              | 423    | 6.74              | 0.49              | 0.74              | 1.16              | 1.70              | 2.03             | 80     | 28     |
| 398            | 399               | 495   | 3.61              | 430    | 6.62              | 0.50              | 0.77              | 1.14              | 1.70              | 2.03             | 79     | 27     |
| 402            | 403               | 512   | 3.60              | 423    | 6.91              | 0.51              | 0.75              | 1.21              | 1.71              | 2.17             | 84     | 30     |

Table E1. Metals data for core PTMC-3

| Top<br>Depth<br>(cm) | Center<br>Depth<br>(cm) | Ba<br>ppm | Cr<br>ppm | V<br>ppm | Cu<br>ppm | Zr<br>ppm | Sr<br>ppm | Cd<br>ppm | Pb<br>ppm | Ag<br>ppm | Rb<br>ppm | Y<br>ppm | Sc<br>ppm |
|----------------------|-------------------------|-----------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|-----------|
| 10                   | 11                      | 382       | 75        | 106      | 28        | 185       | 120       | 0.26      | 36        | 0.14      | NA        | NA       | NA        |
| 20                   | 21                      | 355       | 72        | 106      | 27        | 179       | 108       | 0.21      | 33        | 0.07      | NA        | NA       | NA        |
| 30                   | 31                      | 383       | 73        | 101      | 24        | 192       | 125       | 0.59      | 27        | 0.13      | NA        | NA       | NA        |
| 40                   | 41                      | 379       | 74        | 103      | 24        | 198       | 111       | 0.45      | 30        | 0.14      | NA        | NA       | NA        |
| 50                   | 51                      | 384       | 74        | 102      | 26        | 186       | 122       | 0.39      | 21        | 0.11      | NA        | NA       | NA        |
| 60                   | 61                      | 368       | 71        | 98       | 22        | 185       | 106       | 0.43      | 30        | 0.07      | NA        | NA       | NA        |
| 70                   | 71                      | 380       | 74        | 102      | 24        | 189       | 121       | 0.36      | 23        | 0.07      | NA        | NA       | NA        |
| 80                   | 81                      | 379       | 73        | 100      | 23        | 153       | 118       | 0.36      | 31        | 0.03      | NA        | NA       | NA        |
| 90                   | 91                      | 378       | 73        | 99       | 21        | 202       | 119       | 0.21      | 21        | 0.09      | NA        | NA       | NA        |
| 100                  | 101                     | 360       | 71        | 103      | 18        | 248       | 117       | 0.35      | 24        | NA        | NA        | NA       | NA        |
| 110                  | 111                     | 385       | 75        | 98       | 22        | 199       | 122       | 0.29      | 19        | 0.09      | NA        | NA       | NA        |
| 120                  | 121                     | 371       | 68        | 93       | 19        | 179       | 113       | 0.36      | 31        | 0.10      | NA        | NA       | NA        |
| 130                  | 131                     | 380       | 70        | 93       | 11        | 202       | 124       | 0.10      | 15        | 0.04      | NA        | NA       | NA        |
| 140                  | 141                     | 372       | 67        | 97       | 7         | 231       | 134       | 0.19      | 24        | NA        | NA        | NA       | NA        |
| 150                  | 151                     | 413       | 62        | 84       | 11        | 242       | 135       | 0.14      | 29        | NA        | 334       | 22       | 11        |
| 160                  | 161                     | 387       | 70        | 101      | 7         | 263       | 140       | 0.14      | 22        | NA        | NA        | NA       | NA        |
| 170                  | 171                     | 382       | 61        | 78       | 10        | 241       | 136       | 0.08      | 21        | NA        | 335       | 21       | 10        |
| 180                  | 181                     | 368       | 65        | 92       | 7         | 252       | 136       | 0.19      | 23        | NA        | NA        | NA       | NA        |
| 190                  | 191                     | 402       | 59        | 81       | 10        | 231       | 139       | 0.08      | 18        | NA        | 325       | 21       | 10        |
| 198                  | 199                     | 372       | 62        | 85       | 8         | 212       | 129       | 0.07      | 21        | 0.09      | NA        | NA       | NA        |
| 210                  | 211                     | 389       | 60        | 81       | 10        | 218       | 142       | 0.12      | 16        | NA        | 331       | 21       | 10        |
| 220                  | 221                     | 380       | 64        | 89       | 6         | 278       | 143       | 0.15      | 23        | NA        | NA        | NA       | NA        |
| 226                  | 227                     | 273       | 62        | 86       | 11        | 333       | 149       | 0.06      | 16        | NA        | 332       | 23       | 11        |
| 230                  | 231                     | 413       | 55        | 76       | 9         | 258       | 143       | 0.07      | 16        | NA        | 301       | 20       | 10        |
| 240                  | 241                     | 373       | 64        | 89       | 9         | 189       | 125       | 0.10      | 23        | 0.03      | NA        | NA       | NA        |
| 246                  | 247                     | 378       | 58        | 77       | 9         | 223       | 146       | 0.09      | 16        | NA        | 296       | 21       | 10        |
| 260                  | 261                     | 380       | 65        | 92       | 7         | 252       | 140       | 0.14      | 23        | NA        | NA        | NA       | NA        |
| 270                  | 271                     | 381       | 66        | 88       | 9         | 193       | 132       | <0.06     | 17        | 0.03      | NA        | NA       | NA        |
| 280                  | 281                     | 369       | 61        | 87       | 6         | 280       | 140       | NA        | 23        | NA        | NA        | NA       | NA        |
| 290                  | 291                     | 375       | 62        | 81       | 8         | 215       | 132       | 0.07      | 16        | 0.03      | NA        | NA       | NA        |
| 296                  | 297                     | 365       | 63        | 89       | 8         | 259       | 138       | 0.24      | 24        | NA        | NA        | NA       | NA        |
| 310                  | 311                     | 370       | 65        | 84       | 9         | 228       | 129       | 0.09      | 12        | <0.01     | NA        | NA       | NA        |
| 320                  | 321                     | 372       | 65        | 89       | 9         | 196       | 122       | 0.24      | 31        | 0.01      | NA        | NA       | NA        |
| 330                  | 331                     | 372       | 61        | 80       | 8         | 194       | 130       | 0.09      | 16        | <0.01     | NA        | NA       | NA        |
| 336                  | 337                     | 374       | 63        | 90       | 6         | 278       | 138       | 0.10      | 21        | NA        | NA        | NA       | NA        |
| 350                  | 351                     | 385       | 66        | 86       | 9         | 220       | 130       | 0.09      | 13        | 0.04      | NA        | NA       | NA        |
| 360                  | 361                     | 358       | 62        | 83       | 8         | 194       | 121       | 0.08      | 21        | 0.02      | NA        | NA       | NA        |
| 370                  | 371                     | 372       | 64        | 83       | 8         | 227       | 131       | 0.08      | 16        | 0.02      | NA        | NA       | NA        |
| 380                  | 381                     | 383       | 67        | 98       | 7         | 263       | 138       | 0.14      | 24        | NA        | NA        | NA       | NA        |
| 390                  | 391                     | 377       | 65        | 86       | 9         | 209       | 126       | 0.07      | 13        | <0.01     | NA        | NA       | NA        |
| 398                  | 399                     | 371       | 63        | 86       | 8         | 209       | 124       | 0.09      | 24        | 0.08      | NA        | NA       | NA        |
| 402                  | 403                     | 387       | 68        | 90       | 9         | 288       | 128       | <0.06     | 18        | 0.03      | NA        | NA       | NA        |

Table E2. Metals data for core PRCK-3

| Top Depth<br>(cm) | Center<br>Depth<br>(cm) | P<br>ppm | Fe<br>weight<br>percent | Mn<br>ppm | Al<br>weight<br>percent | Ti<br>weight<br>percent | Ca<br>weight<br>percent | Mg<br>weight<br>percent | Na<br>weight<br>percent | K<br>weight<br>percent | Zn<br>ppm | Ni<br>ppm |
|-------------------|-------------------------|----------|-------------------------|-----------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|-----------|-----------|
| 8                 | 9                       | 605      | 3.98                    | 559       | 6.73                    | 0.48                    | 0.59                    | 1.36                    | 1.88                    | 2.97                   | 84        | 36        |
| 18                | 19                      | 510      | 3.69                    | 443       | 6.67                    | 0.45                    | 0.53                    | 1.20                    | 1.87                    | 1.97                   | 93        | 32        |
| 28                | 29                      | 577      | 3.98                    | 484       | 7.28                    | 0.47                    | 0.58                    | 1.37                    | 1.89                    | 2.99                   | 86        | 35        |
| 38                | 39                      | 629      | 4.31                    | 736       | 7.00                    | 0.53                    | 0.61                    | 1.29                    | 2.07                    | 2.13                   | 88        | 32        |
| 48                | 49                      | 696      | 3.96                    | 602       | 6.88                    | 0.47                    | 0.57                    | 1.34                    | 1.79                    | 2.81                   | 78        | 32        |
| 58                | 59                      | 563      | 3.70                    | 478       | 6.70                    | 0.49                    | 0.52                    | 1.17                    | 1.89                    | 2.14                   | 85        | 31        |
| 68                | 69                      | 576      | 3.78                    | 436       | 6.89                    | 0.48                    | 0.55                    | 1.29                    | 1.75                    | 2.81                   | 79        | 30        |
| 78                | 79                      | 671      | 3.79                    | 590       | 7.40                    | 0.54                    | 0.77                    | 0.06                    | 1.93                    | 1.98                   | 85        | 30        |
| 88                | 89                      | 520      | 3.99                    | 534       | 7.01                    | 0.47                    | 0.52                    | 1.22                    | 1.65                    | 2.88                   | 77        | 30        |
| 98                | 99                      | 524      | 3.36                    | 432       | 6.30                    | 0.46                    | 0.50                    | 1.00                    | 1.43                    | 1.84                   | 85        | 30        |
| 108               | 109                     | 589      | 3.52                    | 424       | 6.61                    | 0.47                    | 0.56                    | 1.16                    | 1.52                    | 2.77                   | 74        | 30        |
| 118               | 119                     | 566      | 3.72                    | 504       | 6.71                    | 0.48                    | 0.61                    | 1.11                    | 1.61                    | 2.01                   | 82        | 28        |
| 128               | 129                     | 513      | NA                      | NA        | NA                      | NA                      | NA                      | NA                      | NA                      | NA                     | 77        | 38        |
| 138               | 139                     | 520      | 3.45                    | 434       | 6.53                    | 0.45                    | 0.60                    | 1.04                    | 1.57                    | 1.95                   | 80        | 27        |
| 148               | 149                     | 597      | 3.71                    | 513       | 6.68                    | 0.46                    | 0.58                    | 1.2                     | 1.49                    | 2.77                   | 74        | 30        |
| 158               | 159                     | 554      | 3.70                    | 523       | 6.75                    | 0.47                    | 0.57                    | 1.10                    | 1.64                    | 2.05                   | 82        | 29        |
| 168               | 169                     | 517      | 3.66                    | 497       | 5.83                    | 0.46                    | 0.56                    | 1.14                    | 1.63                    | 2.94                   | 76        | 31        |
| 178               | 179                     | 505      | 3.60                    | 551       | 6.55                    | 0.49                    | 0.62                    | 1.09                    | 1.65                    | 2.02                   | 79        | 29        |
| 188               | 189                     | 567      | 3.33                    | 442       | 6.05                    | 0.45                    | 0.59                    | 1.1                     | 1.58                    | 2.65                   | 68        | 31        |
| 198               | 199                     | 509      | 3.57                    | 532       | 6.69                    | 0.48                    | 0.69                    | 1.11                    | 1.64                    | 1.99                   | 81        | 28        |
| 208               | 209                     | 511      | 3.65                    | 534       | 6.59                    | 0.47                    | 0.67                    | 1.24                    | 1.7                     | 2.83                   | 73        | 29        |
| 218               | 219                     | 475      | 3.03                    | 451       | 6.04                    | 0.44                    | 0.65                    | 1.05                    | 1.58                    | 1.93                   | 80        | 27        |
| 228               | 229                     | 520      | 3.73                    | 603       | 6.56                    | 0.46                    | 0.63                    | 1.22                    | 1.48                    | 2.68                   | 80        | 36        |
| 238               | 239                     | 477      | 3.43                    | 579       | 6.29                    | 0.49                    | 0.72                    | 1.09                    | 1.48                    | 1.95                   | 74        | 25        |
| 248               | 249                     | NA       | 3.51                    | 594       | 6.55                    | 0.47                    | 0.64                    | 1.10                    | 1.54                    | 2.02                   | 80        | 28        |
| 258               | 259                     | 504      | 3.73                    | 694       | 7.00                    | 0.52                    | 0.78                    | 1.11                    | 1.67                    | 1.90                   | 81        | 28        |
| 268               | 269                     | 487      | 3.48                    | 559       | 6.42                    | 0.46                    | 0.64                    | 1.07                    | 1.49                    | 1.99                   | 81        | 30        |
| 278               | 279                     | 531      | 3.88                    | 617       | 6.38                    | 0.52                    | 0.70                    | 1.00                    | 1.50                    | 1.92                   | 80        | 27        |
| 288               | 289                     | 546      | 3.86                    | 654       | 6.67                    | 0.51                    | 0.74                    | 1.09                    | 1.54                    | 2.06                   | 80        | 28        |
| 298               | 299                     | 497      | 3.54                    | 579       | 6.67                    | 0.50                    | 0.65                    | 1.09                    | 1.55                    | 2.01                   | 81        | 28        |
| 308               | 309                     | 465      | 3.90                    | 721       | 7.08                    | 0.52                    | 0.72                    | 1.19                    | 1.70                    | 2.05                   | 84        | 30        |
| 318               | 319                     | NA       | NA                      | NA        | NA                      | NA                      | NA                      | NA                      | NA                      | NA                     | 82        | 29        |
| 328               | 329                     | 423      | 2.96                    | 409       | 6.35                    | 0.49                    | 0.55                    | 1.01                    | 1.47                    | 1.97                   | 78        | 27        |
| 338               | 339                     | 464      | 3.40                    | 439       | 6.45                    | 0.49                    | 0.64                    | 1.05                    | 1.47                    | 1.97                   | 79        | 27        |
| 348               | 349                     | 464      | 3.36                    | 450       | 6.26                    | 0.50                    | 0.66                    | 1.03                    | 1.45                    | 1.96                   | 74        | 26        |
| 358               | 359                     | 443      | 3.32                    | 512       | 6.59                    | 0.51                    | 0.66                    | 1.03                    | 1.51                    | 2.03                   | 79        | 28        |
| 368               | 369                     | 515      | 3.34                    | 527       | 6.27                    | 0.48                    | 0.66                    | 1.00                    | 1.51                    | 1.95                   | 80        | 27        |
| 378               | 379                     | 567      | 3.77                    | 670       | 6.65                    | 0.47                    | 0.62                    | 1.25                    | 1.62                    | 2.8                    | 79        | 32        |
| 388               | 389                     | 488      | 3.77                    | 470       | 6.82                    | 0.53                    | 0.69                    | 1.10                    | 1.46                    | 2.11                   | 81        | 28        |
| 400               | 401                     | 472      | 3.62                    | 636       | 6.53                    | 0.48                    | 0.65                    | 1.22                    | 1.41                    | 2.75                   | 73        | 29        |
| 408               | 409                     | 526      | 3.81                    | 823       | 6.56                    | 0.54                    | 0.79                    | 1.07                    | 1.51                    | 2.00                   | 78        | 27        |
| 418               | 419                     | 490      | 3.2                     | 417       | 5.95                    | 0.46                    | 0.59                    | 1.06                    | 1.25                    | 2.67                   | 68        | 29        |
| 428               | 429                     | 558      | 4.13                    | 709       | 6.75                    | 0.51                    | 0.79                    | 1.11                    | 1.55                    | 2.04                   | 78        | 28        |
| 438               | 439                     | 420      | 3.19                    | 440       | 5.85                    | 0.46                    | 0.67                    | 1.06                    | 1.34                    | 2.66                   | 79        | 32        |
| 444               | 445                     | 410      | 3.01                    | 464       | NA                      | 0.52                    | 0.70                    | 1.04                    | 1.40                    | 1.96                   | 76        | 27        |

Table E2. Metals data for core PRCK-3

| Top<br>Depth<br>(cm) | Center<br>Depth<br>(cm) | Ba<br>ppm | Cr<br>ppm | V<br>ppm | Cu<br>ppm | Zr<br>ppm | Sr<br>ppm | Cd<br>ppm | Pb<br>ppm | Ag<br>ppm | b<br>ppm | Y<br>ppm | Sc<br>ppm |
|----------------------|-------------------------|-----------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|-----------|
| 8                    | 9                       | 269       | 71        | 104      | 11        | 237       | 84        | 0.23      | 22        | NA        | NA       | NA       | NA        |
| 18                   | 19                      | 343       | 69        | 97       | 15        | 143       | 98        | 0.13      | 26        | 0.74      | NA       | NA       | NA        |
| 28                   | 29                      | 351       | 73        | 108      | 10        | 229       | 118       | 0.15      | 23        | NA        | NA       | NA       | NA        |
| 38                   | 39                      | 312       | 70        | 102      | 12        | 165       | 80        | 0.57      | 23        | 0.04      | NA       | NA       | NA        |
| 48                   | 49                      | 329       | 69        | 103      | 9         | 229       | 108       | 0.20      | 23        | NA        | NA       | NA       | NA        |
| 58                   | 59                      | 309       | 70        | 98       | 12        | 182       | 71        | 0.11      | 16        | 0.03      | NA       | NA       | NA        |
| 68                   | 69                      | 331       | 69        | 103      | 9         | 252       | 108       | 0.20      | 25        | NA        | NA       | NA       | NA        |
| 78                   | 79                      | 316       | 68        | 96       | 12        | 192       | 78        | 0.11      | NA        | <0.002    | NA       | NA       | NA        |
| 88                   | 89                      | 343       | 67        | 99       | 8         | 243       | 114       | 0.20      | 24        | NA        | NA       | NA       | NA        |
| 98                   | 99                      | 352       | 68        | 95       | 11        | 196       | 104       | 0.09      | 22        | <0.002    | NA       | NA       | NA        |
| 108                  | 109                     | 344       | 63        | 92       | 8         | 258       | 118       | 0.14      | 24        | NA        | NA       | NA       | NA        |
| 118                  | 119                     | 344       | 65        | 91       | 10        | 183       | 107       | 0.10      | 19        | 0.04      | NA       | NA       | NA        |
| 128                  | 129                     | 342       | 66        | 94       | 8         | 233       | 121       | 0.16      | 25        | NA        | NA       | NA       | NA        |
| 138                  | 139                     | 336       | 63        | 87       | 9         | 184       | 106       | 0.10      | 25        | 0.08      | NA       | NA       | NA        |
| 148                  | 149                     | 339       | 63        | 92       | 7         | 259       | 115       | 0.20      | 24        | NA        | NA       | NA       | NA        |
| 158                  | 159                     | 333       | 67        | 93       | 10        | 180       | 97        | 0.12      | 19        | 0.03      | NA       | NA       | NA        |
| 168                  | 169                     | 352       | 66        | 96       | 7         | 250       | 120       | 0.21      | 24        | NA        | NA       | NA       | NA        |
| 178                  | 179                     | 313       | 63        | 88       | 10        | 142       | 94        | 0.12      | NA        | 0.03      | NA       | NA       | NA        |
| 188                  | 189                     | 326       | 57        | 82       | 6         | 250       | 116       | 0.18      | 23        | NA        | NA       | NA       | NA        |
| 198                  | 199                     | 354       | 63        | 85       | 9         | 187       | 111       | 0.09      | 17        | 0.03      | NA       | NA       | NA        |
| 208                  | 209                     | 353       | 62        | 90       | 7         | 271       | 126       | 0.17      | 23        | NA        | NA       | NA       | NA        |
| 218                  | 219                     | 334       | 61        | 83       | 9         | 182       | 108       | 0.11      | 23        | 0.05      | NA       | NA       | NA        |
| 228                  | 229                     | 363       | 66        | 93       | 8         | 273       | 127       | 0.17      | 23        | NA        | NA       | NA       | NA        |
| 238                  | 239                     | 341       | 59        | 78       | 8         | 212       | 112       | 0.07      | 14        | 0.03      | NA       | NA       | NA        |
| 248                  | 249                     | 351       | 65        | 86       | 9         | 217       | 115       | 0.09      | 13        | 0.02      | NA       | NA       | NA        |
| 258                  | 259                     | 357       | 64        | 85       | 9         | 212       | 112       | 0.04      | 16        | 0.03      | NA       | NA       | NA        |
| 268                  | 269                     | 354       | 65        | 86       | 9         | 214       | 113       | 0.09      | 12        | 0.04      | NA       | NA       | NA        |
| 278                  | 279                     | 338       | 59        | 79       | 9         | 231       | 110       | 0.09      | 16        | 0.01      | NA       | NA       | NA        |
| 288                  | 289                     | 343       | 63        | 85       | 9         | 199       | 115       | 0.10      | 16        | 0.01      | NA       | NA       | NA        |
| 298                  | 299                     | 354       | 64        | 86       | 9         | 205       | 112       | 0.09      | 23        | 0.07      | NA       | NA       | NA        |
| 308                  | 309                     | 342       | 66        | 90       | 10        | 191       | 104       | 0.12      | 18        | 0.03      | NA       | NA       | NA        |
| 318                  | 319                     | 343       | 64        | 87       | 10        | 200       | 108       | 0.18      | 17        | 0.04      | NA       | NA       | NA        |
| 328                  | 329                     | 348       | 60        | 83       | 9         | 273       | 109       | 0.08      | 23        | 0.07      | NA       | NA       | NA        |
| 338                  | 339                     | 354       | 60        | 82       | 9         | 231       | 112       | 0.09      | 20        | 0.11      | NA       | NA       | NA        |
| 348                  | 349                     | 345       | 58        | 78       | 9         | 242       | 109       | 0.07      | 20        | 0.07      | NA       | NA       | NA        |
| 358                  | 359                     | 355       | 60        | 82       | 9         | 223       | 112       | NA        | 22        | 0.04      | NA       | NA       | NA        |
| 368                  | 369                     | 352       | 61        | 82       | 9         | 168       | 113       | 0.08      | 23        | 0.01      | NA       | NA       | NA        |
| 378                  | 379                     | 350       | 63        | 92       | 9         | 280       | 121       | 0.19      | 25        | NA        | NA       | NA       | NA        |
| 388                  | 389                     | 368       | 63        | 86       | 9         | 230       | 113       | 0.07      | 15        | 0.04      | NA       | NA       | NA        |
| 400                  | 401                     | 352       | 61        | 88       | 7         | 316       | 120       | 0.18      | 24        | NA        | NA       | NA       | NA        |
| 408                  | 409                     | 339       | 60        | 83       | 9         | 208       | 111       | 0.09      | 24        | 0.07      | NA       | NA       | NA        |
| 418                  | 419                     | 349       | 56        | 80       | 6         | 280       | 118       | 0.11      | 21        | NA        | NA       | NA       | NA        |
| 428                  | 429                     | 346       | 61        | 82       | 9         | 197       | 114       | 0.09      | 16        | 0.04      | NA       | NA       | NA        |
| 438                  | 439                     | 350       | 63        | 92       | 9         | 280       | 121       | 0.14      | 22        | NA        | NA       | NA       | NA        |
| 444                  | 445                     | 349       | 59        | 80       | 8         | 221       | 111       | 0.12      | 16        | 0.08      | NA       | NA       | NA        |