



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIM<br>ESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COM<br>UNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD<br>_DESCARGA | INDICADOR_VELOCID<br>AD_CARGA | INDICADOR_LATE<br>NCIA | INDICADOR_FLUCTU<br>ACION_FASE | INDICADOR_TASA_PERDIDA<br>_PAQU |
|------|-----------|-----------------------|--------------|-------------------------|---------------|-------------------|----------------------------------|-------------------------------|------------------------|--------------------------------|---------------------------------|
| 2024 | 3         | 1                     | 8758         | 0                       | 3             | 195568            | 15.23                            | 9.04                          | 28.87                  | 11.00                          | 0.022702                        |
| 2024 | 3         | 1                     | 8758         | 0875802                 | 3             | 47661             | 16.42                            | 9.20                          | 28.94                  | 10.68                          | 0.023009                        |
| 2024 | 3         | 1                     | 11001        | 0                       | 3             | 8504017           | 14.02                            | 11.20                         | 27.26                  | 11.15                          | 0.019564                        |
| 2024 | 3         | 1                     | 11001        | 1100110                 | 3             | 787134            | 14.86                            | 11.30                         | 27.49                  | 10.72                          | 0.018448                        |
| 2024 | 3         | 1                     | 11001        | 1100107                 | 3             | 539291            | 8.91                             | 8.84                          | 26.96                  | 12.07                          | 0.022256                        |
| 2024 | 3         | 1                     | 25286        | 0                       | 3             | 140011            | 11.87                            | 10.06                         | 27.48                  | 11.24                          | 0.021014                        |
| 2024 | 3         | 1                     | 5697         | 0                       | 3             | 10807             | 7.83                             | 3.78                          | 34.01                  | 14.60                          | 0.033139                        |
| 2024 | 3         | 1                     | 11001        | 1100115                 | 3             | 197117            | 12.12                            | 10.47                         | 26.77                  | 11.15                          | 0.019087                        |
| 2024 | 3         | 1                     | 63001        | 0                       | 3             | 166440            | 15.97                            | 8.20                          | 36.46                  | 10.50                          | 0.023918                        |
| 2024 | 3         | 1                     | 76001        | 0                       | 3             | 1299369           | 17.80                            | 9.81                          | 30.22                  | 10.67                          | 0.023415                        |
| 2024 | 3         | 1                     | 76001        | 7600117                 | 3             | 118712            | 25.30                            | 12.58                         | 28.43                  | 9.69                           | 0.021535                        |
| 2024 | 3         | 1                     | 23001        | 0                       | 3             | 223097            | 14.10                            | 9.28                          | 42.28                  | 11.40                          | 0.022820                        |
| 2024 | 3         | 1                     | 13430        | 0                       | 3             | 18372             | 7.72                             | 7.28                          | 45.66                  | 11.45                          | 0.064467                        |
| 2024 | 3         | 1                     | 68081        | 0                       | 3             | 87103             | 12.79                            | 8.91                          | 41.37                  | 11.08                          | 0.022178                        |
| 2024 | 3         | 1                     | 8758         | 0875804                 | 3             | 55721             | 12.56                            | 7.66                          | 28.67                  | 11.73                          | 0.024896                        |
| 2024 | 3         | 1                     | 52001        | 0                       | 3             | 175046            | 15.56                            | 7.81                          | 37.51                  | 12.40                          | 0.023296                        |
| 2024 | 3         | 1                     | 11001        | 1100119                 | 3             | 427295            | 8.86                             | 9.22                          | 27.76                  | 12.79                          | 0.022573                        |
| 2024 | 3         | 1                     | 23001        | 2300104                 | 3             | 26239             | 11.19                            | 8.88                          | 41.58                  | 11.40                          | 0.021305                        |
| 2024 | 3         | 1                     | 19355        | 0                       | 3             | 4456              | 7.39                             | 4.16                          | 47.32                  | 14.31                          | 0.040806                        |
| 2024 | 3         | 1                     | 5001         | 0                       | 3             | 1553049           | 15.52                            | 7.59                          | 29.17                  | 11.41                          | 0.026346                        |
| 2024 | 3         | 1                     | 5001         | 0500116                 | 3             | 137104            | 19.62                            | 8.24                          | 28.80                  | 10.20                          | 0.024193                        |
| 2024 | 3         | 1                     | 11001        | 1100111                 | 3             | 913561            | 15.54                            | 11.10                         | 27.85                  | 10.95                          | 0.019729                        |
| 2024 | 3         | 1                     | 94001        | 0                       | 3             | 7422              | 1.18                             | 4.10                          | 91.55                  | 16.66                          | 0.126431                        |
| 2024 | 3         | 1                     | 17001        | 0                       | 3             | 206118            | 15.10                            | 8.15                          | 43.73                  | 11.09                          | 0.023398                        |
| 2024 | 3         | 1                     | 11001        | 1100108                 | 3             | 1003542           | 10.08                            | 9.99                          | 27.45                  | 11.74                          | 0.020867                        |
| 2024 | 3         | 1                     | 5360         | 0                       | 3             | 165734            | 17.09                            | 8.03                          | 31.54                  | 10.85                          | 0.028052                        |
| 2024 | 3         | 1                     | 66170        | 0                       | 3             | 145986            | 12.74                            | 7.67                          | 37.76                  | 11.84                          | 0.024956                        |
| 2024 | 3         | 1                     | 50001        | 0                       | 3             | 543395            | 14.42                            | 10.96                         | 31.39                  | 11.12                          | 0.026687                        |
| 2024 | 3         | 1                     | 50001        | 5000106                 | 3             | 53517             | 14.26                            | 11.81                         | 30.57                  | 10.75                          | 0.023600                        |
| 2024 | 3         | 1                     | 5001         | 0500115                 | 3             | 104651            | 20.74                            | 9.80                          | 28.42                  | 10.18                          | 0.023735                        |
| 2024 | 3         | 1                     | 25754        | 0                       | 3             | 550325            | 10.82                            | 9.32                          | 28.52                  | 11.95                          | 0.023321                        |
| 2024 | 3         | 1                     | 25754        | 2575403                 | 3             | 179464            | 10.02                            | 8.77                          | 27.83                  | 11.98                          | 0.022731                        |
| 2024 | 3         | 1                     | 54518        | 0                       | 3             | 22578             | 8.89                             | 8.06                          | 45.56                  | 14.52                          | 0.024347                        |
| 2024 | 3         | 1                     | 5266         | 0                       | 3             | 134051            | 24.33                            | 8.90                          | 29.25                  | 9.83                           | 0.024331                        |
| 2024 | 3         | 1                     | 25320        | 0                       | 3             | 19314             | 7.92                             | 5.63                          | 35.05                  | 14.48                          | 0.030573                        |
| 2024 | 3         | 1                     | 15176        | 0                       | 3             | 28363             | 11.07                            | 9.37                          | 33.13                  | 11.52                          | 0.022224                        |
| 2024 | 3         | 1                     | 13688        | 0                       | 3             | 3692              | 10.96                            | 6.43                          | 49.27                  | 13.91                          | 0.042122                        |
| 2024 | 3         | 1                     | 68217        | 0                       | 3             | 708               | 25.78                            | 6.93                          | 37.97                  | 11.79                          | 0.026649                        |
| 2024 | 3         | 1                     | 85001        | 0                       | 3             | 159299            | 10.84                            | 10.18                         | 34.94                  | 11.20                          | 0.026918                        |
| 2024 | 3         | 1                     | 44001        | 0                       | 3             | 69112             | 10.96                            | 7.12                          | 46.40                  | 11.60                          | 0.027383                        |
| 2024 | 3         | 1                     | 25599        | 0                       | 3             | 5952              | 18.80                            | 7.67                          | 35.36                  | 12.01                          | 0.031487                        |
| 2024 | 3         | 1                     | 41001        | 0                       | 3             | 187243            | 14.47                            | 8.74                          | 34.55                  | 11.68                          | 0.029081                        |
| 2024 | 3         | 1                     | 25430        | 0                       | 3             | 134414            | 11.84                            | 9.38                          | 27.64                  | 12.21                          | 0.023332                        |
| 2024 | 3         | 1                     | 11001        | 1100101                 | 3             | 587910            | 19.89                            | 12.13                         | 27.48                  | 10.18                          | 0.018630                        |
| 2024 | 3         | 1                     | 25875        | 0                       | 3             | 28327             | 6.07                             | 6.07                          | 34.25                  | 14.62                          | 0.038924                        |
| 2024 | 3         | 1                     | 5088         | 0                       | 3             | 277139            | 11.23                            | 5.62                          | 29.99                  | 12.71                          | 0.030906                        |
| 2024 | 3         | 1                     | 5088         | 0508804                 | 3             | 51785             | 12.55                            | 6.62                          | 28.71                  | 11.45                          | 0.026764                        |
| 2024 | 3         | 1                     | 5837         | 0                       | 3             | 34515             | 7.60                             | 5.98                          | 39.80                  | 13.98                          | 0.027214                        |
| 2024 | 3         | 1                     | 70400        | 0                       | 3             | 1252              | 25.04                            | 9.70                          | 39.17                  | 11.06                          | 0.022720                        |
| 2024 | 3         | 1                     | 25473        | 0                       | 3             | 171676            | 11.20                            | 10.51                         | 26.99                  | 11.07                          | 0.021211                        |
| 2024 | 3         | 1                     | 50568        | 0                       | 3             | 33310             | 9.20                             | 7.96                          | 38.63                  | 16.17                          | 0.033485                        |
| 2024 | 3         | 1                     | 25307        | 0                       | 3             | 69892             | 17.02                            | 11.17                         | 31.40                  | 10.27                          | 0.022991                        |
| 2024 | 3         | 1                     | 27615        | 0                       | 2             | 153               | 0.81                             | 0.37                          | 74.62                  | 56.16                          | 0.019826                        |
| 2024 | 3         | 1                     | 47001        | 0                       | 3             | 227264            | 14.60                            | 8.47                          | 44.37                  | 11.81                          | 0.027662                        |
| 2024 | 3         | 1                     | 47001        | 4700103                 | 3             | 54217             | 17.40                            | 10.20                         | 43.84                  | 11.37                          | 0.025320                        |
| 2024 | 3         | 1                     | 11001        | 1100106                 | 3             | 227451            | 11.13                            | 10.11                         | 27.35                  | 11.55                          | 0.020969                        |
| 2024 | 3         | 1                     | 5318         | 0                       | 3             | 28063             | 8.23                             | 3.66                          | 35.37                  | 14.88                          | 0.036563                        |
| 2024 | 3         | 1                     | 11001        | 1100102                 | 3             | 469331            | 23.03                            | 14.97                         | 27.36                  | 9.54                           | 0.015739                        |
| 2024 | 3         | 1                     | 44430        | 0                       | 3             | 25209             | 12.20                            | 8.36                          | 52.12                  | 13.41                          | 0.030687                        |
| 2024 | 3         | 1                     | 11001        | 1100114                 | 3             | 266650            | 13.69                            | 11.72                         | 27.12                  | 11.11                          | 0.019701                        |
| 2024 | 3         | 1                     | 41615        | 0                       | 3             | 8362              | 20.91                            | 7.93                          | 35.36                  | 12.36                          | 0.034788                        |
| 2024 | 3         | 1                     | 68276        | 0                       | 3             | 103914            | 14.88                            | 10.03                         | 37.62                  | 11.21                          | 0.021865                        |
| 2024 | 3         | 1                     | 88001        | 0                       | 3             | 43070             | 15.70                            | 8.03                          | 43.72                  | 11.89                          | 0.021685                        |
| 2024 | 3         | 1                     | 68001        | 0                       | 3             | 312869            | 17.66                            | 12.47                         | 37.24                  | 10.10                          | 0.019810                        |
| 2024 | 3         | 1                     | 68001        | 6800101                 | 3             | 14187             | 9.54                             | 7.55                          | 35.89                  | 11.90                          | 0.024453                        |
| 2024 | 3         | 1                     | 70418        | 0                       | 3             | 4200              | 13.39                            | 5.80                          | 76.67                  | 13.49                          | 0.041540                        |
| 2024 | 3         | 1                     | 86749        | 0                       | 3             | 4260              | 16.30                            | 4.82                          | 43.81                  | 13.32                          | 0.026260                        |
| 2024 | 3         | 1                     | 8001         | 0                       | 3             | 630854            | 20.69                            | 11.43                         | 29.61                  | 10.11                          | 0.020940                        |
| 2024 | 3         | 1                     | 8001         | 0800102                 | 3             | 90361             | 14.48                            | 8.62                          | 29.94                  | 11.86                          | 0.024697                        |
| 2024 | 3         | 1                     | 73352        | 0                       | 3             | 5108              | 9.36                             | 7.60                          | 36.99                  | 14.27                          | 0.028793                        |
| 2024 | 3         | 1                     | 11001        | 1100104                 | 3             | 261588            | 11.32                            | 9.22                          | 27.08                  | 11.88                          | 0.021392                        |
| 2024 | 3         | 1                     | 17524        | 0                       | 3             | 7838              | 15.79                            | 7.88                          | 41.24                  | 10.65                          | 0.025168                        |
| 2024 | 3         | 1                     | 19001        | 0                       | 3             | 165082            | 12.73                            | 8.06                          | 34.36                  | 11.76                          | 0.026852                        |
| 2024 | 3         | 1                     | 44279        | 0                       | 3             | 10044             | 12.85                            | 7.10                          | 48.30                  | 13.81                          | 0.033810                        |
| 2024 | 3         | 1                     | 13001        | 0                       | 3             | 382102            | 16.97                            | 9.25                          | 37.22                  | 11.48                          | 0.020983                        |
| 2024 | 3         | 1                     | 13001        | 1300101                 | 3             | 157707            | 20.72                            | 11.10                         | 36.83                  | 10.83                          | 0.019409                        |
| 2024 | 3         | 1                     | 20011        | 0                       | 3             | 36517             | 11.59                            | 7.37                          | 61.61                  | 11.88                          | 0.030470                        |
| 2024 | 3         | 1                     | 76520        | 0                       | 3             | 142788            | 16.30                            | 8.38                          | 30.60                  | 10.84                          | 0.026969                        |
| 2024 | 3         | 1                     | 66001        | 0                       | 3             | 352890            | 14.35                            | 7.59                          | 36.42                  | 11.36                          | 0.025019                        |
| 2024 | 3         | 1                     | 15759        | 0                       | 3             | 84125             | 9.11                             | 8.74                          | 37.96                  | 11.80                          | 0.022254                        |
| 2024 | 3         | 1                     | 5001         | 0500113                 | 3             | 49288             | 9.49                             | 5.40                          | 31.00                  | 12.75                          | 0.031782                        |
| 2024 | 3         | 1                     | 15001        | 0                       | 3             | 149224            | 13.24                            | 10.55                         | 31.43                  | 11.02                          | 0.021408                        |
| 2024 | 3         | 1                     | 25843        | 0                       | 3             | 34313             | 6.34                             | 8.84                          | 29.89                  | 12.43                          | 0.018931                        |
| 2024 | 3         | 1                     | 11001        | 1100117                 | 3             | 78046             | 20.94                            | 13.14                         | 26.70                  | 9.77                           | 0.018509                        |
| 2024 | 3         | 1                     | 25214        | 0                       | 3             | 88430             | 13.98                            | 9.08                          | 30.02                  | 11.13                          | 0.025324                        |
| 2024 | 3         | 1                     | 5148         | 0                       | 3             | 24029             | 8.53                             | 4.80                          | 35.07                  | 13.50                          | 0.035175                        |
| 2024 | 3         | 1                     | 50006        | 0                       | 3             | 66273             | 11.02                            | 10.35                         | 32.56                  | 12.03                          | 0.029121                        |
| 2024 | 3         | 1                     | 47189        | 0                       | 3             | 21572             | 8.78                             | 5.94                          | 35.54                  | 13.60                          | 0.029674                        |
| 2024 | 3         | 1                     | 5088         | 0508803                 | 3             | 27631             | 14.40                            | 6.34                          | 30.11                  | 11.98                          | 0.028710                        |
| 2024 | 3         | 1                     | 70708        | 0                       | 3             | 7728              | 7.88                             | 8.34                          | 61.88                  | 12.95                          | 0.048142                        |
| 2024 | 3         | 1                     | 73520        | 0                       | 3             | 2488              | 18.41                            | 10.27                         | 34.22                  | 12.56                          | 0.027950                        |
| 2024 | 3         | 1                     | 5088         | 0508802                 | 3             | 35203             | 12.05                            | 5.40                          | 31.15                  | 12.86                          | 0.031353                        |
| 2024 | 3         | 1                     | 25899        | 0                       | 3             | 102686            | 8.16                             | 7.30                          | 33.42                  | 14.31                          | 0.026202                        |
| 2024 | 3         | 1                     | 11001        | 1100113                 | 3             | 93198             | 21.59                            | 14.94                         | 27.10                  | 9.68                           | 0.016355                        |
| 2024 | 3         | 1                     | 8001         | 0800101                 | 3             | 103157            | 16.74                            | 9.65                          | 29.63                  | 11.43                          | 0.023324                        |
| 2024 | 3         | 1                     | 5001         | 0500112                 | 3             | 63977             | 16.02                            | 7.23                          | 28.29                  | 10.81                          | 0.026098                        |
| 2024 | 3         | 1                     | 5631         | 0                       | 3             | 81219             | 13.45                            | 7.56                          | 29.98                  | 10.85                          | 0.026390                        |
| 2024 | 3         | 1                     | 54405        | 0                       | 3             | 45534             | 12.91                            | 9.81                          | 36.17                  | 11.08                          | 0.019405                        |
| 2024 | 3         | 1                     | 73349        | 0                       | 3             | 13343             | 8.40                             | 6.89                          | 32.46                  | 11.95                          | 0.036932                        |
| 2024 | 3         | 1                     | 5001         | 0500108                 | 3             | 41263             | 10.39                            | 5.54                          | 28.92                  | 12.79                          | 0.029686                        |
| 2024 | 3         | 1                     | 76892        | 0                       | 3             | 97189             | 14.54                            | 9.08                          | 30.05                  | 10.72                          | 0.024770                        |
| 2024 | 3         | 1                     | 13001        | 1300103                 | 3             | 125962            | 14.78                            | 8.29                          | 37.05                  | 11.60                          | 0.020554                        |
| 2024 | 3         | 1                     | 76001        | 7600114                 | 3             | 44654             | 9.04                             | 8.10                          | 34.02                  | 12.70                          | 0.028085                        |
| 2024 | 3         | 1                     | 15646        | 0                       | 3             | 11047             | 7.54                             | 7.68                          | 33.68                  | 11.67                          | 0.026627                        |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIMESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COMUNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD_DESCARGA | INDICADOR_VELOCIDAD_AD_CARGA | INDICADOR_LATENCIA | INDICADOR_FLUCTUACION_FASE | INDICADOR_TASA_PERDIDA_PAQUETES |
|------|-----------|-------------------|--------------|---------------------|---------------|-------------------|------------------------------|------------------------------|--------------------|----------------------------|---------------------------------|
| 2024 | 3         | 1                 | 76001        | 7600102             | 3             | 142366            | 22.55                        | 11.84                        | 28.76              | 9.61                       | 0.019699                        |
| 2024 | 3         | 1                 | 76400        | 0                   | 3             | 5697              | 12.55                        | 7.72                         | 40.66              | 11.72                      | 0.042911                        |
| 2024 | 3         | 1                 | 5001         | 0500105             | 3             | 108451            | 10.85                        | 6.55                         | 30.33              | 13.58                      | 0.029817                        |
| 2024 | 3         | 1                 | 5250         | 0                   | 3             | 10526             | 5.71                         | 5.02                         | 39.69              | 14.24                      | 0.040651                        |
| 2024 | 3         | 1                 | 25386        | 0                   | 3             | 28778             | 11.85                        | 6.43                         | 39.08              | 14.10                      | 0.036882                        |
| 2024 | 3         | 1                 | 44560        | 0                   | 3             | 6029              | 4.89                         | 4.58                         | 54.32              | 17.23                      | 0.034630                        |
| 2024 | 3         | 1                 | 15469        | 0                   | 3             | 13423             | 8.27                         | 7.53                         | 36.35              | 13.12                      | 0.025811                        |
| 2024 | 3         | 1                 | 50001        | 5000103             | 3             | 38772             | 17.64                        | 14.93                        | 30.51              | 9.87                       | 0.021975                        |
| 2024 | 3         | 1                 | 13836        | 0                   | 3             | 34991             | 14.68                        | 5.74                         | 37.11              | 13.38                      | 0.029272                        |
| 2024 | 3         | 1                 | 15790        | 0                   | 3             | 1728              | 15.56                        | 5.32                         | 37.30              | 11.75                      | 0.025589                        |
| 2024 | 3         | 1                 | 11001        | 1100109             | 3             | 638656            | 14.71                        | 11.96                        | 27.17              | 10.76                      | 0.018823                        |
| 2024 | 3         | 1                 | 5079         | 0                   | 3             | 17136             | 8.81                         | 3.88                         | 33.59              | 13.31                      | 0.033599                        |
| 2024 | 3         | 1                 | 50001        | 5000107             | 3             | 81973             | 13.17                        | 10.89                        | 30.79              | 11.26                      | 0.024262                        |
| 2024 | 3         | 1                 | 50150        | 0                   | 3             | 6406              | 8.53                         | 4.41                         | 36.89              | 16.50                      | 0.039420                        |
| 2024 | 3         | 1                 | 54001        | 0                   | 3             | 394695            | 11.06                        | 8.94                         | 36.88              | 11.89                      | 0.021325                        |
| 2024 | 3         | 1                 | 54001        | 5400106             | 3             | 44380             | 9.17                         | 8.62                         | 36.89              | 11.52                      | 0.020122                        |
| 2024 | 3         | 1                 | 25718        | 0                   | 3             | 6323              | 9.93                         | 3.91                         | 33.53              | 16.55                      | 0.033537                        |
| 2024 | 3         | 1                 | 25175        | 0                   | 3             | 166468            | 14.21                        | 10.07                        | 31.52              | 11.64                      | 0.026923                        |
| 2024 | 3         | 1                 | 50001        | 5000102             | 3             | 69747             | 16.44                        | 11.95                        | 31.22              | 10.52                      | 0.025148                        |
| 2024 | 3         | 1                 | 5313         | 0                   | 3             | 3301              | 10.32                        | 7.20                         | 33.57              | 12.79                      | 0.025588                        |
| 2024 | 3         | 1                 | 23162        | 0                   | 3             | 25202             | 14.81                        | 7.94                         | 48.36              | 12.71                      | 0.028409                        |
| 2024 | 3         | 1                 | 25754        | 2575405             | 3             | 93947             | 11.69                        | 10.03                        | 28.59              | 11.46                      | 0.023008                        |
| 2024 | 3         | 1                 | 25290        | 0                   | 3             | 111672            | 13.81                        | 9.37                         | 30.51              | 12.06                      | 0.026910                        |
| 2024 | 3         | 1                 | 25754        | 2575402             | 3             | 103197            | 9.43                         | 9.12                         | 29.04              | 12.33                      | 0.024092                        |
| 2024 | 3         | 1                 | 15572        | 0                   | 3             | 19198             | 11.23                        | 6.93                         | 35.67              | 12.51                      | 0.029612                        |
| 2024 | 3         | 1                 | 54001        | 5400107             | 3             | 36705             | 7.79                         | 7.30                         | 45.38              | 12.25                      | 0.028017                        |
| 2024 | 3         | 1                 | 5147         | 0                   | 3             | 20925             | 9.49                         | 6.19                         | 36.39              | 12.63                      | 0.026889                        |
| 2024 | 3         | 1                 | 18001        | 0                   | 3             | 90141             | 12.61                        | 9.74                         | 41.02              | 12.32                      | 0.025069                        |
| 2024 | 3         | 1                 | 17380        | 0                   | 3             | 39612             | 12.22                        | 6.51                         | 39.73              | 11.46                      | 0.026922                        |
| 2024 | 3         | 1                 | 5001         | 0500110             | 3             | 259364            | 14.77                        | 8.76                         | 29.50              | 11.43                      | 0.023184                        |
| 2024 | 3         | 1                 | 25740        | 0                   | 3             | 37817             | 8.42                         | 8.12                         | 35.47              | 14.24                      | 0.026027                        |
| 2024 | 3         | 1                 | 50350        | 0                   | 3             | 6263              | 6.48                         | 8.72                         | 68.52              | 15.62                      | 0.045459                        |
| 2024 | 3         | 1                 | 76001        | 7600109             | 3             | 51888             | 16.96                        | 8.94                         | 31.82              | 10.65                      | 0.022680                        |
| 2024 | 3         | 1                 | 76233        | 0                   | 3             | 15438             | 9.27                         | 4.29                         | 40.21              | 14.35                      | 0.045769                        |
| 2024 | 3         | 1                 | 11001        | 1100112             | 3             | 341520            | 17.93                        | 13.28                        | 27.53              | 9.96                       | 0.017047                        |
| 2024 | 3         | 1                 | 68655        | 0                   | 3             | 5952              | 12.19                        | 5.94                         | 43.23              | 15.76                      | 0.029761                        |
| 2024 | 3         | 1                 | 11001        | 1100103             | 3             | 280124            | 16.81                        | 13.36                        | 27.07              | 10.15                      | 0.017739                        |
| 2024 | 3         | 1                 | 73001        | 0                   | 3             | 377400            | 15.59                        | 9.17                         | 30.49              | 11.24                      | 0.024373                        |
| 2024 | 3         | 1                 | 73001        | 7300108             | 3             | 35171             | 16.23                        | 7.92                         | 31.26              | 12.35                      | 0.026915                        |
| 2024 | 3         | 1                 | 63190        | 0                   | 3             | 13487             | 11.85                        | 6.76                         | 37.98              | 11.50                      | 0.027052                        |
| 2024 | 3         | 1                 | 25612        | 0                   | 3             | 20344             | 18.24                        | 6.26                         | 34.39              | 12.39                      | 0.030014                        |
| 2024 | 3         | 1                 | 8433         | 0                   | 3             | 30115             | 15.62                        | 7.50                         | 28.48              | 11.34                      | 0.025593                        |
| 2024 | 3         | 1                 | 86573        | 0                   | 3             | 7607              | 7.45                         | 7.88                         | 47.01              | 14.26                      | 0.029116                        |
| 2024 | 3         | 1                 | 15272        | 0                   | 3             | 2608              | 18.08                        | 4.57                         | 38.19              | 12.92                      | 0.030802                        |
| 2024 | 3         | 1                 | 19137        | 0                   | 3             | 4207              | 4.67                         | 3.36                         | 56.00              | 16.20                      | 0.067244                        |
| 2024 | 3         | 1                 | 17873        | 0                   | 3             | 27127             | 11.27                        | 6.57                         | 43.36              | 11.38                      | 0.025983                        |
| 2024 | 3         | 1                 | 76364        | 0                   | 3             | 64018             | 12.86                        | 7.73                         | 39.88              | 11.94                      | 0.039207                        |
| 2024 | 3         | 1                 | 23555        | 0                   | 3             | 12483             | 14.29                        | 8.59                         | 49.89              | 12.43                      | 0.025142                        |
| 2024 | 3         | 1                 | 11001        | 1100116             | 3             | 514244            | 13.15                        | 11.54                        | 27.24              | 11.42                      | 0.018851                        |
| 2024 | 3         | 1                 | 5088         | 0508807             | 3             | 13398             | 10.00                        | 4.87                         | 29.99              | 14.48                      | 0.034516                        |
| 2024 | 3         | 1                 | 25758        | 0                   | 3             | 32300             | 18.91                        | 9.77                         | 31.84              | 11.09                      | 0.023797                        |
| 2024 | 3         | 1                 | 50689        | 0                   | 3             | 11338             | 9.53                         | 10.04                        | 34.81              | 11.23                      | 0.037528                        |
| 2024 | 3         | 1                 | 76001        | 7600116             | 3             | 47600             | 15.21                        | 10.13                        | 30.10              | 10.38                      | 0.023572                        |
| 2024 | 3         | 1                 | 5212         | 0                   | 3             | 42363             | 13.61                        | 5.97                         | 29.49              | 11.38                      | 0.029381                        |
| 2024 | 3         | 1                 | 47170        | 0                   | 3             | 2755              | 18.85                        | 10.72                        | 39.01              | 10.20                      | 0.039790                        |
| 2024 | 3         | 1                 | 68679        | 0                   | 3             | 17800             | 13.92                        | 7.62                         | 38.95              | 12.10                      | 0.024555                        |
| 2024 | 3         | 1                 | 13244        | 0                   | 3             | 12567             | 5.88                         | 5.84                         | 47.13              | 13.64                      | 0.037423                        |
| 2024 | 3         | 1                 | 50001        | 5000105             | 3             | 96309             | 14.26                        | 11.15                        | 31.30              | 10.92                      | 0.026686                        |
| 2024 | 3         | 1                 | 76248        | 0                   | 3             | 20457             | 23.10                        | 8.95                         | 33.50              | 11.51                      | 0.029375                        |
| 2024 | 3         | 1                 | 8001         | 0800104             | 3             | 206323            | 22.63                        | 12.49                        | 29.78              | 9.59                       | 0.018886                        |
| 2024 | 3         | 1                 | 73001        | 7300109             | 3             | 58043             | 14.02                        | 7.35                         | 30.61              | 11.73                      | 0.025591                        |
| 2024 | 3         | 1                 | 5615         | 0                   | 3             | 130707            | 12.21                        | 6.19                         | 34.48              | 12.34                      | 0.030304                        |
| 2024 | 3         | 1                 | 68001        | 6800104             | 3             | 11140             | 16.82                        | 12.53                        | 38.18              | 10.23                      | 0.020157                        |
| 2024 | 3         | 1                 | 73275        | 0                   | 3             | 16350             | 11.68                        | 7.11                         | 34.97              | 10.38                      | 0.033547                        |
| 2024 | 3         | 1                 | 54051        | 0                   | 3             | 2119              | 13.41                        | 3.73                         | 40.49              | 12.67                      | 0.026893                        |
| 2024 | 3         | 1                 | 41396        | 0                   | 3             | 15534             | 7.27                         | 6.48                         | 37.31              | 13.45                      | 0.034878                        |
| 2024 | 3         | 1                 | 5001         | 0500109             | 3             | 66387             | 15.39                        | 7.00                         | 28.87              | 11.23                      | 0.026343                        |
| 2024 | 3         | 1                 | 52835        | 0                   | 3             | 31103             | 10.10                        | 6.32                         | 42.54              | 13.55                      | 0.031136                        |
| 2024 | 3         | 1                 | 20001        | 0                   | 3             | 255466            | 14.81                        | 8.35                         | 38.15              | 11.34                      | 0.025467                        |
| 2024 | 3         | 1                 | 20001        | 2000104             | 3             | 36994             | 13.60                        | 7.32                         | 36.08              | 11.63                      | 0.026598                        |
| 2024 | 3         | 1                 | 25326        | 0                   | 3             | 6183              | 9.62                         | 7.06                         | 29.67              | 10.87                      | 0.026024                        |
| 2024 | 3         | 1                 | 23660        | 0                   | 3             | 15790             | 18.97                        | 10.13                        | 37.12              | 11.51                      | 0.021682                        |
| 2024 | 3         | 1                 | 5591         | 0                   | 3             | 8795              | 9.98                         | 3.24                         | 64.45              | 15.79                      | 0.032668                        |
| 2024 | 3         | 1                 | 52573        | 0                   | 3             | 1826              | 13.36                        | 3.34                         | 42.24              | 15.46                      | 0.031833                        |
| 2024 | 3         | 1                 | 5001         | 0500111             | 3             | 157101            | 18.92                        | 8.27                         | 29.18              | 10.14                      | 0.024440                        |
| 2024 | 3         | 1                 | 11001        | 1100105             | 3             | 254182            | 9.67                         | 8.54                         | 27.76              | 12.53                      | 0.022350                        |
| 2024 | 3         | 1                 | 76111        | 0                   | 3             | 28906             | 24.73                        | 8.62                         | 35.32              | 11.63                      | 0.027868                        |
| 2024 | 3         | 1                 | 41551        | 0                   | 3             | 47399             | 9.52                         | 8.20                         | 42.84              | 13.01                      | 0.030206                        |
| 2024 | 3         | 1                 | 25377        | 0                   | 3             | 29796             | 13.61                        | 8.56                         | 33.88              | 12.35                      | 0.030799                        |
| 2024 | 3         | 1                 | 25126        | 0                   | 3             | 93452             | 12.40                        | 7.98                         | 30.86              | 13.16                      | 0.025323                        |
| 2024 | 3         | 1                 | 73268        | 0                   | 3             | 34013             | 13.66                        | 9.54                         | 31.08              | 11.02                      | 0.028853                        |
| 2024 | 3         | 1                 | 70001        | 0                   | 3             | 93290             | 11.72                        | 7.45                         | 34.04              | 11.63                      | 0.024099                        |
| 2024 | 3         | 1                 | 66682        | 0                   | 3             | 36433             | 8.40                         | 5.51                         | 37.82              | 12.48                      | 0.030029                        |
| 2024 | 3         | 1                 | 5001         | 0500107             | 3             | 95393             | 13.56                        | 6.36                         | 29.71              | 12.15                      | 0.029389                        |
| 2024 | 3         | 1                 | 50001        | 5000104             | 3             | 58419             | 12.40                        | 10.43                        | 31.43              | 11.06                      | 0.026796                        |
| 2024 | 3         | 1                 | 86885        | 0                   | 3             | 9380              | 8.15                         | 9.21                         | 53.62              | 13.03                      | 0.048216                        |
| 2024 | 3         | 1                 | 27615        | 0                   | 3             | 6339              | 4.00                         | 4.33                         | 47.40              | 17.88                      | 0.042102                        |
| 2024 | 3         | 1                 | 76834        | 0                   | 3             | 53709             | 21.25                        | 9.77                         | 32.41              | 10.94                      | 0.028073                        |
| 2024 | 3         | 1                 | 41524        | 0                   | 3             | 15053             | 16.58                        | 7.87                         | 36.55              | 12.23                      | 0.036008                        |
| 2024 | 3         | 1                 | 86568        | 0                   | 3             | 17695             | 9.70                         | 7.96                         | 49.15              | 13.62                      | 0.045850                        |
| 2024 | 3         | 1                 | 8638         | 0                   | 3             | 20848             | 12.53                        | 8.09                         | 33.30              | 12.22                      | 0.025588                        |
| 2024 | 3         | 1                 | 76275        | 0                   | 3             | 20259             | 11.18                        | 8.11                         | 36.23              | 12.37                      | 0.028929                        |
| 2024 | 3         | 1                 | 54001        | 5400108             | 3             | 36122             | 7.94                         | 8.14                         | 35.28              | 12.24                      | 0.021257                        |
| 2024 | 3         | 1                 | 73449        | 0                   | 3             | 33757             | 13.81                        | 8.98                         | 32.66              | 11.77                      | 0.026070                        |
| 2024 | 3         | 1                 | 68001        | 6800105             | 3             | 10584             | 17.79                        | 12.35                        | 37.74              | 10.13                      | 0.021549                        |
| 2024 | 3         | 1                 | 11001        | 1100118             | 3             | 320168            | 9.96                         | 9.10                         | 27.09              | 11.88                      | 0.021004                        |
| 2024 | 3         | 1                 | 5895         | 0                   | 3             | 6011              | 9.76                         | 6.15                         | 45.99              | 14.16                      | 0.040310                        |
| 2024 | 3         | 1                 | 5001         | 0500104             | 3             | 73745             | 11.48                        | 6.77                         | 28.99              | 12.44                      | 0.029333                        |
| 2024 | 3         | 1                 | 76001        | 7600103             | 3             | 82676             | 18.51                        | 10.50                        | 30.48              | 10.85                      | 0.021496                        |
| 2024 | 3         | 1                 | 5088         | -1                  | 3             | 21561             | 9.87                         | 4.64                         | 31.98              | 16.28                      | 0.038857                        |
| 2024 | 3         | 1                 | 68077        | 0                   | 3             | 14353             | 11.45                        | 9.35                         | 37.80              | 11.91                      | 0.027331                        |
| 2024 | 3         | 1                 | 68001        | 6800103             | 3             | 31575             | 17.69                        | 13.06                        | 36.25              | 9.75                       | 0.018483                        |
| 2024 | 3         | 1                 | 19698        | 0                   | 3             | 32868             | 10.22                        | 7.44                         | 44.11              | 12.97                      | 0.042930                        |
| 2024 | 3         | 1                 | 5679         | 0                   | 3             | 7180              | 11.94                        | 6.12                         | 33.56              | 11.98                      | 0.034485                        |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIMESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COMUNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD_DESCARGA | INDICADOR_VELOCIDAD_CARGA | INDICADOR_LATENCIA | INDICADOR_FLUCTUACION_FASE | INDICADOR_TASA_PERDIDA_PAQUETES |
|------|-----------|-------------------|--------------|---------------------|---------------|-------------------|------------------------------|---------------------------|--------------------|----------------------------|---------------------------------|
| 2024 | 3         | 1                 | 5001         | 0500101             | 3             | 20876             | 8.62                         | 5.19                      | 29.53              | 13.02                      | 0.032305                        |
| 2024 | 3         | 1                 | 50313        | 0                   | 3             | 35801             | 10.83                        | 9.71                      | 39.64              | 12.40                      | 0.030899                        |
| 2024 | 3         | 1                 | 68001        | 6800116             | 3             | 12688             | 21.17                        | 13.85                     | 37.49              | 9.73                       | 0.018883                        |
| 2024 | 3         | 1                 | 5308         | 0                   | 3             | 29064             | 11.17                        | 6.12                      | 36.20              | 11.40                      | 0.032151                        |
| 2024 | 3         | 1                 | 25862        | 0                   | 3             | 2998              | 20.32                        | 5.05                      | 31.41              | 12.62                      | 0.029085                        |
| 2024 | 3         | 1                 | 15238        | 0                   | 3             | 81127             | 12.03                        | 10.90                     | 33.36              | 10.65                      | 0.018594                        |
| 2024 | 3         | 1                 | 8758         | 0875801             | 3             | 58376             | 14.52                        | 9.97                      | 28.57              | 10.67                      | 0.020905                        |
| 2024 | 3         | 1                 | 5031         | 0                   | 3             | 3959              | 12.64                        | 6.81                      | 36.07              | 11.40                      | 0.028751                        |
| 2024 | 3         | 1                 | 25317        | 0                   | 3             | 7518              | 7.12                         | 6.06                      | 33.24              | 14.38                      | 0.027880                        |
| 2024 | 3         | 1                 | 25781        | 0                   | 3             | 4604              | 12.16                        | 6.66                      | 33.35              | 13.10                      | 0.027045                        |
| 2024 | 3         | 1                 | 5001         | 0500103             | 3             | 38820             | 9.79                         | 4.83                      | 30.42              | 13.42                      | 0.032001                        |
| 2024 | 3         | 1                 | 20001        | 2000101             | 3             | 41582             | 13.28                        | 9.55                      | 41.12              | 10.86                      | 0.021833                        |
| 2024 | 3         | 1                 | 54001        | 5400102             | 3             | 68374             | 13.42                        | 9.68                      | 37.46              | 11.65                      | 0.019814                        |
| 2024 | 3         | 1                 | 76001        | 7600111             | 3             | 50632             | 16.54                        | 9.23                      | 30.10              | 10.09                      | 0.023053                        |
| 2024 | 3         | 1                 | 50226        | 0                   | 2             | 425               | 2.12                         | 0.82                      | 46.41              | 39.98                      | 0.049886                        |
| 2024 | 3         | 1                 | 20001        | 2000105             | 3             | 56025             | 15.65                        | 7.90                      | 34.65              | 11.07                      | 0.024458                        |
| 2024 | 3         | 1                 | 15861        | 0                   | 3             | 9758              | 12.25                        | 7.25                      | 36.63              | 13.12                      | 0.037837                        |
| 2024 | 3         | 1                 | 76001        | 7600119             | 3             | 154340            | 18.94                        | 9.96                      | 30.02              | 10.25                      | 0.021545                        |
| 2024 | 3         | 1                 | 85440        | 0                   | 3             | 21689             | 9.48                         | 8.66                      | 41.88              | 13.29                      | 0.033858                        |
| 2024 | 3         | 1                 | 76109        | 0                   | 3             | 52837             | 9.08                         | 7.00                      | 33.96              | 12.85                      | 0.025988                        |
| 2024 | 3         | 1                 | 5541         | 0                   | 3             | 8390              | 6.32                         | 5.02                      | 32.24              | 13.86                      | 0.027354                        |
| 2024 | 3         | 1                 | 76001        | 7600108             | 3             | 71756             | 16.13                        | 8.34                      | 31.14              | 10.76                      | 0.023864                        |
| 2024 | 3         | 1                 | 23001        | 2300102             | 3             | 10579             | 10.69                        | 8.07                      | 39.64              | 10.69                      | 0.020467                        |
| 2024 | 3         | 1                 | 76895        | 0                   | 3             | 16935             | 22.71                        | 9.91                      | 34.66              | 10.76                      | 0.031521                        |
| 2024 | 3         | 1                 | 68307        | 0                   | 3             | 55206             | 11.69                        | 8.57                      | 39.06              | 12.03                      | 0.023260                        |
| 2024 | 3         | 1                 | 15407        | 0                   | 3             | 14687             | 22.84                        | 10.35                     | 35.17              | 11.07                      | 0.025230                        |
| 2024 | 3         | 1                 | 76001        | 7600112             | 3             | 34954             | 11.91                        | 7.18                      | 32.58              | 12.39                      | 0.026176                        |
| 2024 | 3         | 1                 | 8001         | 0800103             | 3             | 112603            | 19.82                        | 11.46                     | 29.02              | 10.12                      | 0.021044                        |
| 2024 | 3         | 1                 | 15764        | 0                   | 3             | 3215              | 21.68                        | 8.58                      | 38.41              | 11.81                      | 0.030441                        |
| 2024 | 3         | 1                 | 25815        | 0                   | 3             | 11510             | 5.80                         | 7.19                      | 39.92              | 12.87                      | 0.045300                        |
| 2024 | 3         | 1                 | 25513        | 0                   | 3             | 18408             | 10.21                        | 6.96                      | 29.31              | 12.32                      | 0.025254                        |
| 2024 | 3         | 1                 | 47001        | 4700101             | 3             | 84381             | 11.63                        | 7.58                      | 50.71              | 12.62                      | 0.033595                        |
| 2024 | 3         | 1                 | 23001        | 2300108             | 3             | 48562             | 18.14                        | 10.12                     | 42.04              | 11.02                      | 0.021057                        |
| 2024 | 3         | 1                 | 68615        | 0                   | 3             | 3041              | 6.59                         | 5.46                      | 42.65              | 18.12                      | 0.042955                        |
| 2024 | 3         | 1                 | 5390         | 0                   | 3             | 4953              | 12.85                        | 6.70                      | 31.71              | 10.18                      | 0.032402                        |
| 2024 | 3         | 1                 | 5579         | 0                   | 3             | 11452             | 12.80                        | 6.80                      | 33.33              | 11.46                      | 0.024129                        |
| 2024 | 3         | 1                 | 20400        | 0                   | 3             | 14244             | 15.16                        | 7.91                      | 45.51              | 12.44                      | 0.031027                        |
| 2024 | 3         | 1                 | 17050        | 0                   | 3             | 2793              | 15.82                        | 6.34                      | 40.69              | 11.07                      | 0.033295                        |
| 2024 | 3         | 1                 | 54001        | 5400109             | 3             | 19206             | 10.09                        | 8.47                      | 35.47              | 12.57                      | 0.020949                        |
| 2024 | 3         | 1                 | 73001        | 7300101             | 3             | 45222             | 16.76                        | 12.32                     | 30.01              | 10.21                      | 0.019583                        |
| 2024 | 3         | 1                 | 76001        | 7600104             | 3             | 65477             | 20.52                        | 11.47                     | 28.63              | 9.47                       | 0.019783                        |
| 2024 | 3         | 1                 | 63470        | 0                   | 3             | 16023             | 12.36                        | 7.10                      | 45.08              | 12.98                      | 0.030903                        |
| 2024 | 3         | 1                 | 68276        | 0                   | 2             | 2829              | 0.34                         | 0.34                      | 46.31              | 29.41                      | 0.058256                        |
| 2024 | 3         | 1                 | 15516        | 0                   | 3             | 24143             | 12.13                        | 6.73                      | 36.10              | 12.89                      | 0.029561                        |
| 2024 | 3         | 1                 | 73226        | 0                   | 3             | 2605              | 13.23                        | 5.05                      | 34.68              | 12.85                      | 0.033404                        |
| 2024 | 3         | 1                 | 15757        | 0                   | 3             | 4499              | 9.24                         | 8.44                      | 39.60              | 13.05                      | 0.022422                        |
| 2024 | 3         | 1                 | 15322        | 0                   | 2             | 188               | 1.07                         | 0.78                      | 46.96              | 49.01                      | 0.060316                        |
| 2024 | 3         | 1                 | 8001         | 0800105             | 3             | 100321            | 29.11                        | 13.89                     | 29.30              | 9.12                       | 0.017691                        |
| 2024 | 3         | 1                 | 52317        | 0                   | 3             | 3450              | 15.78                        | 4.69                      | 41.04              | 13.69                      | 0.029119                        |
| 2024 | 3         | 1                 | 25181        | 0                   | 3             | 6512              | 10.54                        | 8.77                      | 50.38              | 14.76                      | 0.041700                        |
| 2024 | 3         | 1                 | 54172        | 0                   | 3             | 11208             | 8.92                         | 6.95                      | 37.88              | 12.77                      | 0.022813                        |
| 2024 | 3         | 1                 | 50110        | 0                   | 3             | 4940              | 9.93                         | 9.12                      | 41.87              | 12.79                      | 0.034034                        |
| 2024 | 3         | 1                 | 73001        | 7300111             | 3             | 9482              | 12.91                        | 9.48                      | 29.61              | 11.40                      | 0.023802                        |
| 2024 | 3         | 1                 | 23417        | 0                   | 3             | 18946             | 9.88                         | 5.62                      | 42.84              | 15.64                      | 0.034839                        |
| 2024 | 3         | 1                 | 8372         | 0                   | 3             | 4429              | 14.53                        | 6.48                      | 40.02              | 12.83                      | 0.025481                        |
| 2024 | 3         | 1                 | 20001        | 2000106             | 3             | 28828             | 20.28                        | 9.95                      | 38.37              | 10.38                      | 0.021995                        |
| 2024 | 3         | 1                 | 5667         | 0                   | 3             | 4930              | 10.01                        | 4.24                      | 33.68              | 13.33                      | 0.024289                        |
| 2024 | 3         | 1                 | 47058        | 0                   | 3             | 8316              | 10.25                        | 8.25                      | 40.28              | 12.82                      | 0.036916                        |
| 2024 | 3         | 1                 | 47288        | 0                   | 3             | 15100             | 12.76                        | 8.46                      | 29.92              | 11.53                      | 0.035072                        |
| 2024 | 3         | 1                 | 15514        | 0                   | 3             | 1349              | 17.31                        | 9.23                      | 45.34              | 11.81                      | 0.023757                        |
| 2024 | 3         | 1                 | 25035        | 0                   | 3             | 14560             | 13.49                        | 7.25                      | 37.25              | 13.42                      | 0.033436                        |
| 2024 | 3         | 1                 | 23500        | 0                   | 3             | 2979              | 7.11                         | 5.26                      | 49.20              | 15.29                      | 0.042174                        |
| 2024 | 3         | 1                 | 5854         | 0                   | 3             | 3208              | 22.51                        | 4.67                      | 42.23              | 12.57                      | 0.037348                        |
| 2024 | 3         | 1                 | 68235        | 0                   | 3             | 3101              | 13.59                        | 4.86                      | 42.06              | 13.95                      | 0.032538                        |
| 2024 | 3         | 1                 | 19517        | 0                   | 3             | 4175              | 8.62                         | 4.57                      | 51.71              | 14.68                      | 0.038697                        |
| 2024 | 3         | 1                 | 23001        | 2300103             | 3             | 18423             | 11.23                        | 8.01                      | 40.93              | 11.63                      | 0.021682                        |
| 2024 | 3         | 1                 | 76563        | 0                   | 3             | 14419             | 10.88                        | 8.03                      | 29.11              | 10.65                      | 0.025240                        |
| 2024 | 3         | 1                 | 5440         | 0                   | 3             | 28107             | 7.53                         | 4.36                      | 35.10              | 14.47                      | 0.035471                        |
| 2024 | 3         | 1                 | 13212        | 0                   | 3             | 2479              | 11.52                        | 6.57                      | 43.12              | 14.81                      | 0.037185                        |
| 2024 | 3         | 1                 | 27205        | 0                   | 3             | 2028              | 7.38                         | 5.97                      | 40.15              | 11.68                      | 0.027248                        |
| 2024 | 3         | 1                 | 5030         | 0                   | 3             | 10322             | 13.51                        | 6.89                      | 32.15              | 11.91                      | 0.030517                        |
| 2024 | 3         | 1                 | 5649         | 0                   | 3             | 4411              | 9.92                         | 4.37                      | 40.35              | 13.82                      | 0.030302                        |
| 2024 | 3         | 1                 | 50287        | 0                   | 3             | 4551              | 15.78                        | 8.63                      | 38.49              | 11.35                      | 0.028479                        |
| 2024 | 3         | 1                 | 68001        | 6800113             | 3             | 51081             | 19.08                        | 13.02                     | 36.79              | 9.68                       | 0.018733                        |
| 2024 | 3         | 1                 | 20250        | 0                   | 3             | 11965             | 12.11                        | 6.24                      | 40.65              | 13.54                      | 0.048406                        |
| 2024 | 3         | 1                 | 44847        | 0                   | 3             | 15902             | 2.15                         | 4.37                      | 61.64              | 19.50                      | 0.046093                        |
| 2024 | 3         | 1                 | 52250        | 0                   | 3             | 1525              | 10.88                        | 7.05                      | 52.15              | 13.90                      | 0.025657                        |
| 2024 | 3         | 1                 | 25754        | 2575406             | 3             | 54301             | 13.01                        | 10.78                     | 29.06              | 11.38                      | 0.022336                        |
| 2024 | 3         | 1                 | 41298        | 0                   | 3             | 30411             | 7.59                         | 7.22                      | 42.85              | 13.41                      | 0.035639                        |
| 2024 | 3         | 1                 | 23807        | 0                   | 3             | 15230             | 3.92                         | 7.72                      | 54.45              | 13.30                      | 0.067073                        |
| 2024 | 3         | 1                 | 17486        | 0                   | 3             | 8552              | 9.50                         | 4.20                      | 47.97              | 14.23                      | 0.030265                        |
| 2024 | 3         | 1                 | 50226        | 0                   | 3             | 12709             | 10.48                        | 8.17                      | 35.31              | 12.84                      | 0.035548                        |
| 2024 | 3         | 1                 | 25799        | 0                   | 3             | 37407             | 12.88                        | 6.14                      | 36.12              | 14.35                      | 0.030303                        |
| 2024 | 3         | 1                 | 17877        | 0                   | 3             | 6433              | 12.71                        | 5.97                      | 38.51              | 10.82                      | 0.027358                        |
| 2024 | 3         | 1                 | 8573         | 0                   | 3             | 35306             | 22.96                        | 10.44                     | 29.77              | 9.92                       | 0.022158                        |
| 2024 | 3         | 1                 | 54001        | 5400105             | 3             | 42570             | 13.22                        | 10.02                     | 36.68              | 11.08                      | 0.019118                        |
| 2024 | 3         | 1                 | 54001        | 5400101             | 3             | 55162             | 14.79                        | 11.32                     | 36.28              | 11.30                      | 0.017487                        |
| 2024 | 3         | 1                 | 5001         | 0500114             | 3             | 173385            | 23.24                        | 9.94                      | 26.99              | 9.76                       | 0.021773                        |
| 2024 | 3         | 1                 | 47001        | 4700102             | 3             | 71963             | 16.31                        | 8.91                      | 40.13              | 10.97                      | 0.021352                        |
| 2024 | 3         | 1                 | 76001        | 7600106             | 3             | 42158             | 13.07                        | 8.07                      | 27.88              | 10.72                      | 0.024886                        |
| 2024 | 3         | 1                 | 17614        | 0                   | 3             | 11620             | 10.67                        | 6.96                      | 40.57              | 10.74                      | 0.024961                        |
| 2024 | 3         | 1                 | 13744        | 0                   | 3             | 2516              | 16.04                        | 10.30                     | 48.94              | 11.53                      | 0.045680                        |
| 2024 | 3         | 1                 | 63130        | 0                   | 3             | 31490             | 11.30                        | 5.47                      | 37.39              | 11.84                      | 0.028265                        |
| 2024 | 3         | 1                 | 15599        | 0                   | 3             | 3563              | 7.27                         | 6.11                      | 34.29              | 12.69                      | 0.025212                        |
| 2024 | 3         | 1                 | 18785        | 0                   | 3             | 1346              | 5.93                         | 4.45                      | 60.79              | 17.48                      | 0.031795                        |
| 2024 | 3         | 1                 | 19548        | 0                   | 3             | 8132              | 7.01                         | 6.21                      | 46.28              | 14.14                      | 0.050640                        |
| 2024 | 3         | 1                 | 54498        | 0                   | 3             | 22683             | 11.00                        | 7.68                      | 42.14              | 11.71                      | 0.023637                        |
| 2024 | 3         | 1                 | 13442        | 0                   | 3             | 3928              | 16.47                        | 9.17                      | 53.59              | 14.20                      | 0.039314                        |
| 2024 | 3         | 1                 | 18753        | 0                   | 3             | 11844             | 6.37                         | 8.27                      | 46.12              | 13.33                      | 0.034420                        |
| 2024 | 3         | 1                 | 70221        | 0                   | 3             | 10629             | 15.35                        | 6.47                      | 42.10              | 13.68                      | 0.032937                        |
| 2024 | 3         | 1                 | 68001        | 0                   | 2             | 6551              | 4.10                         | 0.35                      | 45.95              | 28.35                      | 0.060733                        |
| 2024 | 3         | 1                 | 13140        | 0                   | 3             | 2676              | 18.14                        | 5.75                      | 38.15              | 13.00                      | 0.051996                        |
| 2024 | 3         | 1                 | 8634         | 0                   | 3             | 7733              | 8.12                         | 4.90                      | 30.02              | 14.26                      | 0.029165                        |
| 2024 | 3         | 1                 | 68001        | 6800106             | 3             | 23940             | 20.22                        | 15.49                     | 36.87              | 9.51                       | 0.017338                        |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIM<br>ESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COM<br>UNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD<br>_DESCARGA | INDICADOR_VELOCIDAD<br>AD_CARGA | INDICADOR_LATE<br>NCIA | INDICADOR_FLUCTU<br>ACION_FASE | INDICADOR_TASA_PERDIDA<br>_PAQU |
|------|-----------|-----------------------|--------------|-------------------------|---------------|-------------------|----------------------------------|---------------------------------|------------------------|--------------------------------|---------------------------------|
| 2024 | 3         | 1                     | 5172         | 0                       | 3             | 16451             | 7.42                             | 6.45                            | 33.57                  | 13.40                          | 0.026991                        |
| 2024 | 3         | 1                     | 73411        | 0                       | 3             | 11027             | 13.97                            | 8.27                            | 34.57                  | 11.78                          | 0.022743                        |
| 2024 | 3         | 1                     | 5001         | 0500106                 | 3             | 46904             | 13.05                            | 5.24                            | 29.19                  | 12.44                          | 0.030869                        |
| 2024 | 3         | 1                     | 50001        | 5000108                 | 3             | 72207             | 13.40                            | 10.06                           | 31.79                  | 11.42                          | 0.027915                        |
| 2024 | 3         | 1                     | 25758        | 0                       | 2             | 1219              | 3.06                             | 0.44                            | 40.59                  | 23.79                          | 0.056359                        |
| 2024 | 3         | 1                     | 73001        | 7300102                 | 3             | 11611             | 13.97                            | 7.78                            | 29.04                  | 10.35                          | 0.022934                        |
| 2024 | 3         | 1                     | 73001        | 7300110                 | 3             | 33386             | 15.78                            | 10.33                           | 30.25                  | 10.18                          | 0.021588                        |
| 2024 | 3         | 1                     | 23189        | 0                       | 3             | 9925              | 7.61                             | 7.82                            | 51.40                  | 13.27                          | 0.031289                        |
| 2024 | 3         | 1                     | 8832         | 0                       | 3             | 6659              | 14.00                            | 5.34                            | 38.15                  | 13.26                          | 0.029400                        |
| 2024 | 3         | 1                     | 20295        | 0                       | 3             | 2068              | 22.26                            | 5.94                            | 44.68                  | 11.15                          | 0.049253                        |
| 2024 | 3         | 1                     | 25817        | 0                       | 3             | 73094             | 7.72                             | 7.86                            | 32.36                  | 13.94                          | 0.031635                        |
| 2024 | 3         | 1                     | 25168        | 0                       | 3             | 1462              | 16.90                            | 2.43                            | 104.99                 | 21.83                          | 0.034313                        |
| 2024 | 3         | 1                     | 50573        | 0                       | 3             | 16029             | 9.53                             | 7.81                            | 34.05                  | 13.56                          | 0.037422                        |
| 2024 | 3         | 1                     | 73001        | 7300105                 | 3             | 29371             | 17.90                            | 9.47                            | 29.98                  | 10.51                          | 0.024344                        |
| 2024 | 3         | 1                     | 25878        | 0                       | 3             | 5476              | 12.47                            | 4.87                            | 35.76                  | 13.81                          | 0.029774                        |
| 2024 | 3         | 1                     | 15638        | 0                       | 3             | 4192              | 11.80                            | 8.12                            | 39.96                  | 11.44                          | 0.026177                        |
| 2024 | 3         | 1                     | 25269        | 0                       | 3             | 96992             | 10.50                            | 9.16                            | 28.40                  | 12.45                          | 0.022996                        |
| 2024 | 3         | 1                     | 5660         | 0                       | 3             | 3410              | 9.88                             | 3.45                            | 80.38                  | 19.71                          | 0.031929                        |
| 2024 | 3         | 1                     | 20228        | 0                       | 3             | 12769             | 11.02                            | 6.93                            | 37.55                  | 12.46                          | 0.030478                        |
| 2024 | 3         | 1                     | 68547        | 0                       | 3             | 51623             | 10.64                            | 6.72                            | 40.42                  | 12.68                          | 0.028324                        |
| 2024 | 3         | 1                     | 13001        | 1300102                 | 3             | 76525             | 14.28                            | 7.62                            | 36.81                  | 11.88                          | 0.021284                        |
| 2024 | 3         | 1                     | 73671        | 0                       | 2             | 113               | 1.54                             | 0.37                            | 47.99                  | 37.50                          | 0.030948                        |
| 2024 | 3         | 1                     | 73319        | 0                       | 3             | 10985             | 13.56                            | 9.24                            | 34.13                  | 12.72                          | 0.030357                        |
| 2024 | 3         | 1                     | 44098        | 0                       | 3             | 6309              | 19.90                            | 9.94                            | 63.60                  | 12.21                          | 0.034432                        |
| 2024 | 3         | 1                     | 27001        | 0                       | 3             | 57787             | 3.44                             | 5.45                            | 49.31                  | 18.41                          | 0.034333                        |
| 2024 | 3         | 1                     | 25785        | 0                       | 3             | 19762             | 11.38                            | 6.84                            | 30.85                  | 12.74                          | 0.027664                        |
| 2024 | 3         | 1                     | 70235        | 0                       | 3             | 1955              | 21.68                            | 11.25                           | 45.52                  | 10.80                          | 0.020859                        |
| 2024 | 3         | 1                     | 44035        | 0                       | 3             | 13810             | 9.05                             | 7.46                            | 57.66                  | 13.18                          | 0.039116                        |
| 2024 | 3         | 1                     | 25754        | 2575401                 | 3             | 86058             | 12.58                            | 10.10                           | 29.06                  | 11.53                          | 0.022971                        |
| 2024 | 3         | 1                     | 5040         | 0                       | 3             | 3725              | 5.63                             | 4.96                            | 37.36                  | 13.88                          | 0.035501                        |
| 2024 | 3         | 1                     | 11001        | 0                       | 2             | 165195            | 4.08                             | 0.38                            | 37.83                  | 22.67                          | 0.073058                        |
| 2024 | 3         | 1                     | 11001        | 1100108                 | 2             | 18443             | 3.57                             | 0.37                            | 38.49                  | 24.33                          | 0.069867                        |
| 2024 | 3         | 1                     | 47268        | 0                       | 3             | 2804              | 19.00                            | 8.97                            | 31.08                  | 13.25                          | 0.041014                        |
| 2024 | 3         | 1                     | 23068        | 0                       | 3             | 7267              | 6.38                             | 5.25                            | 48.50                  | 13.77                          | 0.050812                        |
| 2024 | 3         | 1                     | 25214        | 0                       | 2             | 1762              | 3.99                             | 0.38                            | 38.58                  | 24.11                          | 0.062022                        |
| 2024 | 3         | 1                     | 50001        | 5000101                 | 3             | 27664             | 20.19                            | 11.98                           | 30.91                  | 9.54                           | 0.024934                        |
| 2024 | 3         | 1                     | 76890        | 0                       | 3             | 5816              | 18.91                            | 6.62                            | 37.32                  | 12.71                          | 0.029102                        |
| 2024 | 3         | 1                     | 25154        | 0                       | 3             | 2731              | 12.56                            | 4.13                            | 39.58                  | 14.41                          | 0.029806                        |
| 2024 | 3         | 1                     | 76001        | 7600110                 | 3             | 62767             | 21.72                            | 11.06                           | 30.08                  | 9.52                           | 0.021373                        |
| 2024 | 3         | 1                     | 76147        | 0                       | 3             | 36745             | 18.91                            | 10.73                           | 32.01                  | 9.79                           | 0.021909                        |
| 2024 | 3         | 1                     | 25099        | 0                       | 3             | 8854              | 9.04                             | 4.91                            | 32.73                  | 14.92                          | 0.033932                        |
| 2024 | 3         | 1                     | 19845        | 0                       | 3             | 9286              | 11.78                            | 6.27                            | 31.16                  | 13.09                          | 0.034389                        |
| 2024 | 3         | 1                     | 54003        | 0                       | 3             | 4068              | 12.31                            | 8.23                            | 41.78                  | 13.50                          | 0.025348                        |
| 2024 | 3         | 1                     | 15804        | 0                       | 3             | 2908              | 21.02                            | 8.62                            | 36.73                  | 12.21                          | 0.028563                        |
| 2024 | 3         | 1                     | 50606        | 0                       | 3             | 14880             | 11.99                            | 7.68                            | 35.41                  | 13.58                          | 0.040638                        |
| 2024 | 3         | 1                     | 76001        | 7600107                 | 3             | 43532             | 14.99                            | 7.41                            | 29.92                  | 11.00                          | 0.023593                        |
| 2024 | 3         | 1                     | 76001        | 7600118                 | 3             | 23441             | 14.22                            | 8.33                            | 30.14                  | 11.27                          | 0.024605                        |
| 2024 | 3         | 1                     | 8685         | 0                       | 3             | 8189              | 20.62                            | 4.85                            | 33.79                  | 11.91                          | 0.027227                        |
| 2024 | 3         | 1                     | 5761         | 0                       | 3             | 7680              | 9.27                             | 3.00                            | 32.97                  | 14.18                          | 0.036929                        |
| 2024 | 3         | 1                     | 25183        | 0                       | 3             | 10811             | 12.85                            | 7.69                            | 33.05                  | 13.81                          | 0.029101                        |
| 2024 | 3         | 1                     | 25200        | 0                       | 3             | 17414             | 11.85                            | 7.21                            | 31.42                  | 13.27                          | 0.027968                        |
| 2024 | 3         | 1                     | 41483        | 0                       | 3             | 1683              | 18.20                            | 10.87                           | 47.52                  | 13.08                          | 0.059607                        |
| 2024 | 3         | 1                     | 52207        | 0                       | 3             | 2135              | 18.57                            | 4.55                            | 41.95                  | 12.68                          | 0.029777                        |
| 2024 | 3         | 1                     | 76020        | 0                       | 3             | 3580              | 11.16                            | 5.56                            | 43.62                  | 14.22                          | 0.034480                        |
| 2024 | 3         | 1                     | 73870        | 0                       | 3             | 1476              | 11.41                            | 5.15                            | 37.06                  | 15.89                          | 0.036883                        |
| 2024 | 3         | 1                     | 73001        | 7300104                 | 3             | 31318             | 17.97                            | 12.03                           | 29.40                  | 9.87                           | 0.019186                        |
| 2024 | 3         | 1                     | 25394        | 0                       | 3             | 2787              | 20.80                            | 6.63                            | 30.39                  | 10.70                          | 0.027329                        |
| 2024 | 3         | 1                     | 76364        | 0                       | 2             | 1869              | 2.86                             | 0.39                            | 51.95                  | 27.31                          | 0.061272                        |
| 2024 | 3         | 1                     | 63594        | 0                       | 3             | 13847             | 11.95                            | 7.33                            | 41.84                  | 11.63                          | 0.029751                        |
| 2024 | 3         | 1                     | 54128        | 0                       | 3             | 1470              | 10.30                            | 2.49                            | 89.53                  | 11.84                          | 0.050465                        |
| 2024 | 3         | 1                     | 52678        | 0                       | 3             | 3552              | 10.32                            | 3.73                            | 43.35                  | 15.53                          | 0.031336                        |
| 2024 | 3         | 1                     | 20621        | 0                       | 3             | 10070             | 11.53                            | 7.67                            | 42.02                  | 12.45                          | 0.032430                        |
| 2024 | 3         | 1                     | 73001        | 7300103                 | 3             | 20525             | 16.50                            | 11.35                           | 30.33                  | 10.20                          | 0.020049                        |
| 2024 | 3         | 1                     | 25488        | 0                       | 3             | 27242             | 8.30                             | 7.79                            | 38.66                  | 13.66                          | 0.043101                        |
| 2024 | 3         | 1                     | 20517        | 0                       | 3             | 6428              | 5.71                             | 6.17                            | 58.44                  | 12.55                          | 0.053146                        |
| 2024 | 3         | 1                     | 15681        | 0                       | 3             | 2126              | 14.94                            | 5.38                            | 36.11                  | 13.13                          | 0.050082                        |
| 2024 | 3         | 1                     | 8137         | 0                       | 3             | 2357              | 18.55                            | 5.80                            | 32.99                  | 13.22                          | 0.051256                        |
| 2024 | 3         | 1                     | 76001        | 7600121                 | 3             | 22024             | 9.34                             | 6.59                            | 36.22                  | 13.29                          | 0.035510                        |
| 2024 | 3         | 1                     | 20570        | 0                       | 3             | 2527              | 10.75                            | 4.29                            | 50.29                  | 17.02                          | 0.045728                        |
| 2024 | 3         | 1                     | 73148        | 0                       | 3             | 7470              | 14.33                            | 6.12                            | 36.00                  | 12.61                          | 0.028555                        |
| 2024 | 3         | 1                     | 52240        | 0                       | 3             | 8313              | 11.34                            | 6.04                            | 43.84                  | 12.37                          | 0.041765                        |
| 2024 | 3         | 1                     | 76863        | 0                       | 3             | 1348              | 14.76                            | 4.45                            | 44.19                  | 13.77                          | 0.031036                        |
| 2024 | 3         | 1                     | 5042         | 0                       | 3             | 12123             | 7.09                             | 4.01                            | 29.84                  | 12.44                          | 0.032173                        |
| 2024 | 3         | 1                     | 25148        | 0                       | 3             | 3652              | 25.09                            | 8.23                            | 34.48                  | 12.21                          | 0.030020                        |
| 2024 | 3         | 1                     | 15322        | 0                       | 3             | 5957              | 6.89                             | 7.29                            | 28.46                  | 10.53                          | 0.024787                        |
| 2024 | 3         | 1                     | 25407        | 0                       | 3             | 4995              | 8.68                             | 5.72                            | 42.29                  | 15.72                          | 0.029876                        |
| 2024 | 3         | 1                     | 68152        | 0                       | 3             | 790               | 45.82                            | 10.98                           | 33.33                  | 10.19                          | 0.024765                        |
| 2024 | 3         | 1                     | 73585        | 0                       | 3             | 7116              | 13.79                            | 7.73                            | 36.33                  | 12.12                          | 0.025818                        |
| 2024 | 3         | 1                     | 76001        | 7600101                 | 3             | 14164             | 14.63                            | 6.93                            | 31.69                  | 10.94                          | 0.026895                        |
| 2024 | 3         | 1                     | 68432        | 0                       | 3             | 7171              | 9.55                             | 9.23                            | 42.17                  | 13.09                          | 0.021161                        |
| 2024 | 3         | 1                     | 5237         | 0                       | 3             | 7298              | 7.62                             | 5.51                            | 35.58                  | 11.96                          | 0.041133                        |
| 2024 | 3         | 1                     | 5380         | 0                       | 3             | 42847             | 14.39                            | 6.32                            | 31.18                  | 11.71                          | 0.028329                        |
| 2024 | 3         | 1                     | 20175        | 0                       | 3             | 5788              | 13.46                            | 7.34                            | 36.87                  | 12.33                          | 0.039577                        |
| 2024 | 3         | 1                     | 8078         | 0                       | 3             | 14880             | 9.76                             | 5.20                            | 34.04                  | 13.81                          | 0.030811                        |
| 2024 | 3         | 1                     | 11001        | 1100104                 | 2             | 4722              | 3.01                             | 0.38                            | 37.77                  | 25.81                          | 0.058679                        |
| 2024 | 3         | 1                     | 86865        | 0                       | 3             | 8370              | 5.12                             | 8.27                            | 53.99                  | 13.46                          | 0.046174                        |
| 2024 | 3         | 1                     | 73001        | 7300107                 | 3             | 31261             | 15.21                            | 8.26                            | 30.58                  | 11.33                          | 0.025390                        |
| 2024 | 3         | 1                     | 73024        | 0                       | 3             | 1497              | 15.70                            | 11.03                           | 37.68                  | 12.45                          | 0.032136                        |
| 2024 | 3         | 1                     | 25736        | 0                       | 3             | 10641             | 13.04                            | 6.93                            | 34.34                  | 13.10                          | 0.032048                        |
| 2024 | 3         | 1                     | 15511        | 0                       | 2             | 47                | 0.84                             | 0.71                            | 52.41                  | 55.75                          | 0.019578                        |
| 2024 | 3         | 1                     | 73001        | 7300106                 | 3             | 23268             | 19.29                            | 8.72                            | 29.85                  | 10.53                          | 0.024784                        |
| 2024 | 3         | 1                     | 23001        | 2300106                 | 3             | 21051             | 13.60                            | 9.86                            | 43.77                  | 11.71                          | 0.022818                        |
| 2024 | 3         | 1                     | 68855        | 0                       | 3             | 741               | 14.17                            | 5.11                            | 46.00                  | 14.99                          | 0.034989                        |
| 2024 | 3         | 1                     | 52399        | 0                       | 3             | 5868              | 16.51                            | 6.41                            | 40.61                  | 12.12                          | 0.026292                        |
| 2024 | 3         | 1                     | 13683        | 0                       | 3             | 4261              | 8.63                             | 6.37                            | 44.56                  | 16.15                          | 0.041180                        |
| 2024 | 3         | 1                     | 5495         | 0                       | 3             | 3214              | 6.81                             | 4.69                            | 44.83                  | 14.51                          | 0.046214                        |
| 2024 | 3         | 1                     | 25260        | 0                       | 3             | 21321             | 9.54                             | 8.28                            | 38.11                  | 14.95                          | 0.027072                        |
| 2024 | 3         | 1                     | 5045         | 0                       | 3             | 57376             | 9.14                             | 6.89                            | 36.89                  | 12.25                          | 0.026168                        |
| 2024 | 3         | 1                     | 41016        | 0                       | 3             | 6707              | 14.29                            | 6.24                            | 38.03                  | 15.05                          | 0.035538                        |
| 2024 | 3         | 1                     | 73055        | 0                       | 3             | 4598              | 18.37                            | 9.74                            | 34.72                  | 12.23                          | 0.032999                        |
| 2024 | 3         | 1                     | 68001        | -1                      | 3             | 18034             | 15.53                            | 10.97                           | 37.87                  | 10.54                          | 0.019437                        |
| 2024 | 3         | 1                     | 27025        | 0                       | 3             | 645               | 4.53                             | 3.58                            | 46.48                  | 13.59                          | 0.029609                        |
| 2024 | 3         | 1                     | 19701        | 0                       | 3             | 1765              | 10.07                            | 3.14                            | 52.76                  | 18.17                          | 0.033940                        |
| 2024 | 3         | 1                     | 8078         | 0                       | 2             | 372               | 1.21                             | 0.31                            | 50.99                  | 37.91                          | 0.052363                        |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIM<br>ESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COM<br>UNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD<br>_DESCARGA | INDICADOR_VELOCIDAD<br>AD_CARGA | INDICADOR_LATEN<br>CIA | INDICADOR_FLUCTU<br>ACION_FASE | INDICADOR_TASA_PERDIDA<br>_PAQU |
|------|-----------|-----------------------|--------------|-------------------------|---------------|-------------------|----------------------------------|---------------------------------|------------------------|--------------------------------|---------------------------------|
| 2024 | 3         | 1                     | 5154         | 0                       | 3             | 35770             | 8.91                             | 7.25                            | 40.04                  | 12.40                          | 0.026640                        |
| 2024 | 3         | 1                     | 20550        | 0                       | 3             | 5949              | 7.81                             | 5.52                            | 51.66                  | 13.94                          | 0.037543                        |
| 2024 | 3         | 1                     | 73624        | 0                       | 3             | 4861              | 10.49                            | 6.08                            | 33.40                  | 12.51                          | 0.025575                        |
| 2024 | 3         | 1                     | 5240         | 0                       | 3             | 2450              | 7.06                             | 2.64                            | 31.80                  | 12.18                          | 0.049099                        |
| 2024 | 3         | 1                     | 76001        | 7600105                 | 3             | 74371             | 20.15                            | 10.90                           | 28.74                  | 9.49                           | 0.021843                        |
| 2024 | 3         | 1                     | 15476        | 0                       | 3             | 2004              | 15.07                            | 5.26                            | 34.82                  | 12.20                          | 0.030032                        |
| 2024 | 3         | 1                     | 25040        | 0                       | 3             | 6062              | 5.10                             | 5.47                            | 30.35                  | 12.29                          | 0.029841                        |
| 2024 | 3         | 1                     | 52356        | 0                       | 3             | 39461             | 19.79                            | 10.23                           | 39.27                  | 11.67                          | 0.021075                        |
| 2024 | 3         | 1                     | 68001        | 6800112                 | 3             | 45219             | 20.48                            | 14.44                           | 36.98                  | 9.55                           | 0.017378                        |
| 2024 | 3         | 1                     | 76130        | 0                       | 3             | 43488             | 14.72                            | 8.41                            | 35.49                  | 12.10                          | 0.032031                        |
| 2024 | 3         | 1                     | 68001        | 6800111                 | 3             | 10515             | 15.80                            | 9.90                            | 39.82                  | 11.07                          | 0.021677                        |
| 2024 | 3         | 1                     | 54673        | 0                       | 3             | 2844              | 17.00                            | 6.64                            | 38.61                  | 14.38                          | 0.031496                        |
| 2024 | 3         | 1                     | 47707        | 0                       | 3             | 4562              | 14.07                            | 8.49                            | 34.34                  | 11.91                          | 0.024859                        |
| 2024 | 3         | 1                     | 5604         | 0                       | 3             | 5333              | 2.17                             | 4.69                            | 61.96                  | 16.79                          | 0.077843                        |
| 2024 | 3         | 1                     | 18756        | 0                       | 3             | 2710              | 18.52                            | 13.06                           | 37.89                  | 11.85                          | 0.027455                        |
| 2024 | 3         | 1                     | 5051         | 0                       | 3             | 5875              | 6.61                             | 4.78                            | 44.83                  | 14.29                          | 0.029547                        |
| 2024 | 3         | 1                     | 68101        | 0                       | 3             | 1261              | 24.70                            | 6.01                            | 41.68                  | 13.82                          | 0.030718                        |
| 2024 | 3         | 1                     | 41006        | 0                       | 2             | 90                | 1.09                             | 0.30                            | 60.23                  | 43.46                          | 0.047766                        |
| 2024 | 3         | 1                     | 23580        | 0                       | 3             | 5959              | 10.85                            | 9.02                            | 61.36                  | 15.62                          | 0.031242                        |
| 2024 | 3         | 1                     | 5321         | 0                       | 3             | 7275              | 12.23                            | 6.84                            | 33.13                  | 13.14                          | 0.030679                        |
| 2024 | 3         | 1                     | 54720        | 0                       | 3             | 5616              | 5.92                             | 4.95                            | 43.70                  | 16.67                          | 0.027110                        |
| 2024 | 3         | 1                     | 73001        | 0                       | 2             | 8655              | 3.32                             | 0.35                            | 42.00                  | 28.10                          | 0.071194                        |
| 2024 | 3         | 1                     | 73001        | 7300104                 | 2             | 597               | 4.19                             | 0.39                            | 40.05                  | 27.14                          | 0.070369                        |
| 2024 | 3         | 1                     | 15455        | 0                       | 3             | 4636              | 11.33                            | 8.50                            | 31.30                  | 10.09                          | 0.021098                        |
| 2024 | 3         | 1                     | 63272        | 0                       | 3             | 8487              | 17.52                            | 7.30                            | 39.59                  | 11.69                          | 0.026918                        |
| 2024 | 3         | 1                     | 76736        | 0                       | 3             | 8871              | 12.27                            | 9.04                            | 38.34                  | 12.41                          | 0.036746                        |
| 2024 | 3         | 1                     | 52435        | 0                       | 3             | 2105              | 8.91                             | 3.35                            | 43.16                  | 17.26                          | 0.045905                        |
| 2024 | 3         | 1                     | 13873        | 0                       | 3             | 1507              | 14.68                            | 4.82                            | 38.55                  | 14.13                          | 0.04587                         |
| 2024 | 3         | 1                     | 54001        | 5400103                 | 3             | 20564             | 10.97                            | 8.07                            | 36.35                  | 12.06                          | 0.021700                        |
| 2024 | 3         | 1                     | 25769        | 0                       | 3             | 9586              | 7.05                             | 6.41                            | 65.45                  | 16.44                          | 0.038816                        |
| 2024 | 3         | 1                     | 70678        | 0                       | 3             | 3333              | 14.23                            | 7.54                            | 41.34                  | 13.07                          | 0.037159                        |
| 2024 | 3         | 1                     | 81736        | 0                       | 3             | 13692             | 6.38                             | 9.12                            | 41.56                  | 11.37                          | 0.038020                        |
| 2024 | 3         | 1                     | 5306         | 0                       | 3             | 4266              | 5.67                             | 5.48                            | 35.03                  | 13.28                          | 0.047646                        |
| 2024 | 3         | 1                     | 5656         | 0                       | 3             | 11061             | 12.54                            | 5.00                            | 29.77                  | 11.45                          | 0.029032                        |
| 2024 | 3         | 1                     | 25489        | 0                       | 3             | 3378              | 22.77                            | 5.19                            | 30.75                  | 12.49                          | 0.033428                        |
| 2024 | 3         | 1                     | 5034         | 0                       | 3             | 9027              | 7.66                             | 4.76                            | 40.94                  | 13.37                          | 0.037385                        |
| 2024 | 3         | 1                     | 13468        | 0                       | 3             | 11987             | 8.33                             | 5.95                            | 41.95                  | 12.86                          | 0.041546                        |
| 2024 | 3         | 1                     | 13052        | 0                       | 3             | 14628             | 10.00                            | 4.77                            | 35.88                  | 14.68                          | 0.030357                        |
| 2024 | 3         | 1                     | 13160        | 0                       | 3             | 2433              | 9.14                             | 8.53                            | 45.91                  | 14.07                          | 0.022360                        |
| 2024 | 3         | 1                     | 25123        | 0                       | 3             | 6245              | 4.38                             | 4.33                            | 28.99                  | 12.79                          | 0.034060                        |
| 2024 | 3         | 1                     | 5690         | 0                       | 3             | 6362              | 17.76                            | 5.57                            | 34.20                  | 11.69                          | 0.027453                        |
| 2024 | 3         | 1                     | 25491        | 0                       | 3             | 5580              | 10.05                            | 3.51                            | 36.08                  | 14.35                          | 0.038092                        |
| 2024 | 3         | 1                     | 70473        | 0                       | 3             | 4938              | 15.75                            | 6.99                            | 46.14                  | 11.21                          | 0.024555                        |
| 2024 | 3         | 1                     | 8296         | 0                       | 3             | 22277             | 15.97                            | 8.27                            | 29.36                  | 11.35                          | 0.024180                        |
| 2024 | 3         | 1                     | 41791        | 0                       | 3             | 3768              | 15.26                            | 5.94                            | 41.18                  | 12.75                          | 0.038302                        |
| 2024 | 3         | 1                     | 20001        | 2000103                 | 3             | 34689             | 12.71                            | 6.79                            | 37.10                  | 11.87                          | 0.029909                        |
| 2024 | 3         | 1                     | 73443        | 0                       | 3             | 12968             | 16.70                            | 9.14                            | 34.09                  | 12.40                          | 0.025617                        |
| 2024 | 3         | 1                     | 44874        | 0                       | 3             | 3006              | 26.35                            | 5.63                            | 36.93                  | 11.70                          | 0.033078                        |
| 2024 | 3         | 1                     | 68549        | 0                       | 3             | 2043              | 14.33                            | 5.73                            | 49.14                  | 17.01                          | 0.031653                        |
| 2024 | 3         | 1                     | 27006        | 0                       | 3             | 4115              | 5.53                             | 4.62                            | 42.33                  | 15.95                          | 0.037665                        |
| 2024 | 3         | 1                     | 25873        | 0                       | 3             | 7202              | 13.54                            | 6.89                            | 31.38                  | 12.83                          | 0.026008                        |
| 2024 | 3         | 1                     | 25530        | 0                       | 3             | 5276              | 12.09                            | 9.29                            | 35.37                  | 11.95                          | 0.037433                        |
| 2024 | 3         | 1                     | 25754        | 2575404                 | 3             | 20281             | 9.25                             | 7.74                            | 27.08                  | 13.32                          | 0.025123                        |
| 2024 | 3         | 1                     | 54660        | 0                       | 3             | 2813              | 20.71                            | 7.22                            | 44.09                  | 12.48                          | 0.026693                        |
| 2024 | 3         | 1                     | 47555        | 0                       | 3             | 8020              | 10.29                            | 7.24                            | 43.83                  | 13.35                          | 0.033833                        |
| 2024 | 3         | 1                     | 5088         | 0508806                 | 3             | 19469             | 7.87                             | 4.61                            | 28.92                  | 12.75                          | 0.033829                        |
| 2024 | 3         | 1                     | 44378        | 0                       | 3             | 6988              | 5.94                             | 8.06                            | 43.36                  | 10.45                          | 0.034527                        |
| 2024 | 3         | 1                     | 5670         | 0                       | 3             | 5940              | 11.08                            | 4.71                            | 34.93                  | 12.72                          | 0.029117                        |
| 2024 | 3         | 1                     | 47660        | 0                       | 3             | 3961              | 12.11                            | 9.81                            | 34.33                  | 11.29                          | 0.047810                        |
| 2024 | 3         | 1                     | 19130        | 0                       | 3             | 5440              | 9.15                             | 5.33                            | 48.45                  | 14.19                          | 0.058479                        |
| 2024 | 3         | 1                     | 5364         | 0                       | 3             | 4370              | 6.86                             | 4.95                            | 60.92                  | 13.58                          | 0.046142                        |
| 2024 | 3         | 1                     | 11001        | 1100112                 | 2             | 7468              | 5.16                             | 0.39                            | 38.49                  | 21.25                          | 0.079641                        |
| 2024 | 3         | 1                     | 68001        | 6800115                 | 3             | 25537             | 20.04                            | 15.15                           | 36.54                  | 9.42                           | 0.016487                        |
| 2024 | 3         | 1                     | 25402        | 0                       | 3             | 18792             | 6.08                             | 3.98                            | 37.36                  | 14.77                          | 0.046392                        |
| 2024 | 3         | 1                     | 5197         | 0                       | 3             | 6985              | 8.85                             | 3.69                            | 38.02                  | 13.91                          | 0.033403                        |
| 2024 | 3         | 1                     | 25793        | 0                       | 3             | 4844              | 10.09                            | 5.38                            | 29.97                  | 14.14                          | 0.025420                        |
| 2024 | 3         | 1                     | 41132        | 0                       | 3             | 8105              | 7.98                             | 6.36                            | 47.24                  | 14.38                          | 0.037551                        |
| 2024 | 3         | 1                     | 50270        | 0                       | 3             | 1398              | 10.71                            | 3.46                            | 34.69                  | 13.36                          | 0.031824                        |
| 2024 | 3         | 1                     | 50370        | 0                       | 3             | 4353              | 6.66                             | 5.25                            | 55.13                  | 17.91                          | 0.031735                        |
| 2024 | 3         | 1                     | 23001        | 2300105                 | 3             | 39863             | 14.79                            | 10.54                           | 40.46                  | 10.73                          | 0.020464                        |
| 2024 | 3         | 1                     | 25797        | 0                       | 3             | 9513              | 10.08                            | 5.73                            | 33.26                  | 12.30                          | 0.030766                        |
| 2024 | 3         | 1                     | 11001        | 1100116                 | 2             | 9493              | 4.06                             | 0.37                            | 37.12                  | 21.86                          | 0.070947                        |
| 2024 | 3         | 1                     | 68464        | 0                       | 3             | 1564              | 4.90                             | 2.86                            | 43.98                  | 17.38                          | 0.024992                        |
| 2024 | 3         | 1                     | 52110        | 0                       | 3             | 4896              | 14.80                            | 5.78                            | 41.64                  | 13.15                          | 0.030778                        |
| 2024 | 3         | 1                     | 25279        | 0                       | 3             | 4548              | 4.97                             | 4.96                            | 32.03                  | 13.83                          | 0.027113                        |
| 2024 | 3         | 1                     | 17614        | 0                       | 2             | 206               | 1.13                             | 0.29                            | 58.25                  | 33.80                          | 0.047597                        |
| 2024 | 3         | 1                     | 17777        | 0                       | 3             | 5677              | 5.27                             | 6.43                            | 42.44                  | 11.99                          | 0.033400                        |
| 2024 | 3         | 1                     | 76001        | 7600122                 | 3             | 17872             | 28.75                            | 12.74                           | 31.58                  | 9.35                           | 0.028249                        |
| 2024 | 3         | 1                     | 20750        | 0                       | 3             | 6701              | 14.57                            | 6.16                            | 39.40                  | 13.25                          | 0.042446                        |
| 2024 | 3         | 1                     | 13468        | 0                       | 2             | 214               | 0.90                             | 0.31                            | 60.77                  | 48.16                          | 0.049284                        |
| 2024 | 3         | 1                     | 68255        | 0                       | 3             | 2750              | 11.99                            | 4.78                            | 38.40                  | 13.70                          | 0.027663                        |
| 2024 | 3         | 1                     | 8421         | 0                       | 2             | 147               | 1.23                             | 0.31                            | 68.94                  | 38.26                          | 0.030622                        |
| 2024 | 3         | 1                     | 52079        | 0                       | 3             | 2731              | 9.95                             | 3.22                            | 44.73                  | 17.08                          | 0.032816                        |
| 2024 | 3         | 1                     | 20001        | 2000102                 | 3             | 39544             | 15.47                            | 10.02                           | 41.02                  | 10.93                          | 0.022375                        |
| 2024 | 3         | 1                     | 15763        | 0                       | 3             | 4124              | 11.76                            | 6.78                            | 36.78                  | 13.02                          | 0.045844                        |
| 2024 | 3         | 1                     | 68190        | 0                       | 3             | 9823              | 11.25                            | 7.12                            | 43.61                  | 14.72                          | 0.027525                        |
| 2024 | 3         | 1                     | 76001        | 7600113                 | 3             | 56685             | 10.27                            | 8.38                            | 32.63                  | 12.57                          | 0.025276                        |
| 2024 | 3         | 1                     | 19807        | 0                       | 3             | 8953              | 14.97                            | 6.70                            | 35.11                  | 12.74                          | 0.029001                        |
| 2024 | 3         | 1                     | 95001        | 0                       | 3             | 15827             | 16.50                            | 8.69                            | 34.44                  | 12.25                          | 0.025544                        |
| 2024 | 3         | 1                     | 8558         | 0                       | 3             | 2540              | 2.18                             | 7.78                            | 39.49                  | 10.67                          | 0.101257                        |
| 2024 | 3         | 1                     | 18094        | 0                       | 3             | 2313              | 15.92                            | 7.73                            | 46.07                  | 12.69                          | 0.025774                        |
| 2024 | 3         | 1                     | 15466        | 0                       | 3             | 2144              | 16.61                            | 9.66                            | 38.55                  | 10.46                          | 0.019977                        |
| 2024 | 3         | 1                     | 63401        | 0                       | 3             | 15485             | 13.30                            | 6.98                            | 40.31                  | 11.70                          | 0.029972                        |
| 2024 | 3         | 1                     | 68406        | 0                       | 3             | 9042              | 17.32                            | 9.61                            | 43.44                  | 12.50                          | 0.026632                        |
| 2024 | 3         | 1                     | 5756         | 0                       | 3             | 7309              | 6.92                             | 4.57                            | 68.50                  | 14.80                          | 0.044026                        |
| 2024 | 3         | 1                     | 68572        | 0                       | 3             | 6624              | 8.53                             | 5.37                            | 38.06                  | 14.32                          | 0.029193                        |
| 2024 | 3         | 1                     | 25297        | 0                       | 3             | 5036              | 4.83                             | 6.38                            | 38.47                  | 12.24                          | 0.048804                        |
| 2024 | 3         | 1                     | 15600        | 0                       | 3             | 4305              | 15.63                            | 5.96                            | 45.72                  | 12.73                          | 0.031636                        |
| 2024 | 3         | 1                     | 50577        | 0                       | 3             | 3243              | 15.20                            | 8.65                            | 33.87                  | 11.81                          | 0.044491                        |
| 2024 | 3         | 1                     | 19256        | 0                       | 3             | 4229              | 15.26                            | 5.90                            | 42.54                  | 15.94                          | 0.038872                        |
| 2024 | 3         | 1                     | 19300        | 0                       | 3             | 6006              | 12.46                            | 6.67                            | 34.70                  | 13.38                          | 0.031517                        |
| 2024 | 3         | 1                     | 68861        | 0                       | 3             | 5674              | 8.98                             | 9.36                            | 43.07                  | 15.38                          | 0.034392                        |
| 2024 | 3         | 1                     | 19622        | 0                       | 3             | 2439              | 20.26                            | 3.45                            | 37.81                  | 13.94                          | 0.035492                        |
| 2024 | 3         | 1                     | 63690        | 0                       | 3             | 11893             | 14.92                            | 7.63                            | 41.01                  | 11.90                          | 0.030306                        |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIM<br>ESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COM<br>UNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD<br>_DESCARGA | INDICADOR_VELOCID<br>AD_CARGA | INDICADOR_LATE<br>NCIA | INDICADOR_FLUCTU<br>ACION_FASE | INDICADOR_TASA_PERDIDA<br>_PAQU |
|------|-----------|-----------------------|--------------|-------------------------|---------------|-------------------|----------------------------------|-------------------------------|------------------------|--------------------------------|---------------------------------|
| 2024 | 3         | 1                     | 5686         | 0                       | 3             | 12427             | 7.91                             | 6.82                          | 35.81                  | 12.85                          | 0.039693                        |
| 2024 | 3         | 1                     | 20060        | 0                       | 3             | 16318             | 7.56                             | 6.79                          | 39.32                  | 14.11                          | 0.027101                        |
| 2024 | 3         | 1                     | 76001        | 7600120                 | 3             | 10884             | 15.61                            | 8.30                          | 29.97                  | 10.96                          | 0.024514                        |
| 2024 | 3         | 1                     | 5145         | 0                       | 3             | 974               | 17.87                            | 4.71                          | 50.46                  | 9.46                           | 0.058396                        |
| 2024 | 3         | 1                     | 5647         | 0                       | 3             | 2357              | 19.88                            | 6.24                          | 53.34                  | 15.24                          | 0.036961                        |
| 2024 | 3         | 1                     | 66440        | 0                       | 3             | 5076              | 13.84                            | 7.36                          | 38.98                  | 11.24                          | 0.024859                        |
| 2024 | 3         | 1                     | 23686        | 0                       | 3             | 6044              | 8.38                             | 7.33                          | 50.68                  | 15.73                          | 0.049182                        |
| 2024 | 3         | 1                     | 8758         | 0875803                 | 3             | 33400             | 19.91                            | 9.60                          | 29.60                  | 10.02                          | 0.021692                        |
| 2024 | 3         | 1                     | 66001        | 0                       | 2             | 10659             | 3.49                             | 0.34                          | 53.09                  | 22.46                          | 0.065484                        |
| 2024 | 3         | 1                     | 85125        | 0                       | 3             | 2761              | 8.84                             | 4.65                          | 46.72                  | 15.69                          | 0.041833                        |
| 2024 | 3         | 1                     | 73001        | 7300112                 | 3             | 13165             | 10.83                            | 9.06                          | 29.54                  | 11.65                          | 0.023229                        |
| 2024 | 3         | 1                     | 68162        | 0                       | 3             | 1354              | 13.05                            | 4.67                          | 41.74                  | 13.64                          | 0.028038                        |
| 2024 | 3         | 1                     | 44078        | 0                       | 3             | 7540              | 6.69                             | 6.04                          | 53.26                  | 14.75                          | 0.067911                        |
| 2024 | 3         | 1                     | 50251        | 0                       | 3             | 1976              | 17.77                            | 8.41                          | 37.11                  | 12.67                          | 0.030697                        |
| 2024 | 3         | 1                     | 5091         | 0                       | 3             | 2596              | 7.82                             | 3.61                          | 32.91                  | 11.90                          | 0.037123                        |
| 2024 | 3         | 1                     | 52480        | 0                       | 3             | 1457              | 32.27                            | 5.33                          | 40.03                  | 11.68                          | 0.026431                        |
| 2024 | 3         | 1                     | 5088         | 0508801                 | 3             | 10979             | 13.33                            | 5.82                          | 30.28                  | 11.32                          | 0.030233                        |
| 2024 | 3         | 1                     | 8520         | 0                       | 3             | 7329              | 15.11                            | 5.19                          | 33.34                  | 12.65                          | 0.033808                        |
| 2024 | 3         | 1                     | 17174        | 0                       | 3             | 19901             | 13.43                            | 7.37                          | 38.37                  | 11.06                          | 0.028022                        |
| 2024 | 3         | 1                     | 13473        | 0                       | 3             | 2729              | 16.58                            | 5.90                          | 42.86                  | 10.13                          | 0.015886                        |
| 2024 | 3         | 1                     | 13657        | 0                       | 3             | 6588              | 12.58                            | 6.14                          | 44.69                  | 12.61                          | 0.042912                        |
| 2024 | 3         | 1                     | 5736         | 0                       | 3             | 9800              | 5.28                             | 4.25                          | 51.16                  | 14.98                          | 0.053266                        |
| 2024 | 3         | 1                     | 76001        | 7600115                 | 3             | 13417             | 9.96                             | 6.45                          | 31.77                  | 13.82                          | 0.031083                        |
| 2024 | 3         | 1                     | 52838        | 0                       | 3             | 7025              | 12.02                            | 5.54                          | 42.30                  | 14.42                          | 0.025998                        |
| 2024 | 3         | 1                     | 5088         | 0508805                 | 3             | 19147             | 7.04                             | 3.45                          | 30.85                  | 15.67                          | 0.035923                        |
| 2024 | 3         | 1                     | 13074        | 0                       | 3             | 1938              | 15.41                            | 8.76                          | 40.06                  | 11.87                          | 0.030375                        |
| 2024 | 3         | 1                     | 15109        | 0                       | 3             | 1656              | 12.13                            | 9.54                          | 34.04                  | 9.84                           | 0.032851                        |
| 2024 | 3         | 1                     | 91001        | 0                       | 3             | 22415             | 4.24                             | 4.82                          | 125.31                 | 29.51                          | 0.030414                        |
| 2024 | 3         | 1                     | 76036        | 0                       | 3             | 5954              | 13.35                            | 6.86                          | 38.74                  | 11.57                          | 0.047070                        |
| 2024 | 3         | 1                     | 50680        | 0                       | 3             | 3697              | 8.75                             | 9.02                          | 37.18                  | 11.78                          | 0.055835                        |
| 2024 | 3         | 1                     | 76122        | 0                       | 3             | 5897              | 9.26                             | 10.21                         | 41.85                  | 11.16                          | 0.033269                        |
| 2024 | 3         | 1                     | 25662        | 0                       | 3             | 4168              | 17.26                            | 5.60                          | 32.64                  | 13.45                          | 0.033652                        |
| 2024 | 3         | 1                     | 5400         | 0                       | 3             | 7144              | 11.85                            | 6.57                          | 52.13                  | 13.89                          | 0.032849                        |
| 2024 | 3         | 1                     | 47551        | 0                       | 3             | 2997              | 25.57                            | 7.11                          | 34.95                  | 12.11                          | 0.046337                        |
| 2024 | 3         | 1                     | 13760        | 0                       | 3             | 1405              | 28.47                            | 10.96                         | 34.12                  | 9.41                           | 0.021883                        |
| 2024 | 3         | 1                     | 70235        | 0                       | 2             | 73                | 2.80                             | 0.29                          | 56.26                  | 29.71                          | 0.055320                        |
| 2024 | 3         | 1                     | 5088         | 0508808                 | 3             | 53655             | 11.16                            | 6.61                          | 29.75                  | 11.33                          | 0.027165                        |
| 2024 | 3         | 1                     | 47745        | 0                       | 3             | 7732              | 8.38                             | 7.32                          | 32.39                  | 13.74                          | 0.035072                        |
| 2024 | 3         | 1                     | 5490         | 0                       | 3             | 12922             | 7.12                             | 5.14                          | 46.64                  | 14.50                          | 0.028705                        |
| 2024 | 3         | 1                     | 19318        | 0                       | 2             | 38                | 1.94                             | 0.38                          | 56.31                  | 27.06                          | 0.056338                        |
| 2024 | 3         | 1                     | 70215        | 0                       | 3             | 19277             | 14.92                            | 6.71                          | 40.86                  | 11.63                          | 0.024055                        |
| 2024 | 3         | 1                     | 5376         | 0                       | 3             | 27063             | 10.70                            | 4.35                          | 40.96                  | 13.23                          | 0.037207                        |
| 2024 | 3         | 1                     | 20238        | 0                       | 3             | 7386              | 21.73                            | 5.43                          | 38.45                  | 14.95                          | 0.046993                        |
| 2024 | 3         | 1                     | 13222        | 0                       | 3             | 2548              | 22.46                            | 8.40                          | 38.16                  | 11.93                          | 0.025773                        |
| 2024 | 3         | 1                     | 23678        | 0                       | 3             | 2180              | 12.29                            | 5.16                          | 46.37                  | 15.91                          | 0.034425                        |
| 2024 | 3         | 1                     | 76622        | 0                       | 3             | 7145              | 16.87                            | 7.14                          | 37.08                  | 12.10                          | 0.037633                        |
| 2024 | 3         | 1                     | 20383        | 0                       | 3             | 5055              | 16.00                            | 6.14                          | 46.84                  | 13.28                          | 0.030268                        |
| 2024 | 3         | 1                     | 25001        | 0                       | 3             | 2300              | 21.68                            | 3.14                          | 35.46                  | 13.05                          | 0.042785                        |
| 2024 | 3         | 1                     | 5113         | 0                       | 3             | 6341              | 5.50                             | 3.69                          | 35.27                  | 17.26                          | 0.030157                        |
| 2024 | 3         | 1                     | 23001        | 2300101                 | 3             | 16010             | 9.09                             | 8.00                          | 40.93                  | 11.79                          | 0.021624                        |
| 2024 | 3         | 1                     | 70508        | 0                       | 3             | 3577              | 15.10                            | 6.37                          | 41.73                  | 13.04                          | 0.026347                        |
| 2024 | 3         | 1                     | 25372        | 0                       | 3             | 3003              | 9.45                             | 5.82                          | 36.15                  | 14.67                          | 0.036423                        |
| 2024 | 3         | 1                     | 5856         | 0                       | 3             | 2160              | 10.80                            | 3.11                          | 34.08                  | 12.25                          | 0.036307                        |
| 2024 | 3         | 1                     | 25594        | 0                       | 3             | 4193              | 12.80                            | 4.34                          | 33.71                  | 14.47                          | 0.031421                        |
| 2024 | 3         | 1                     | 54174        | 0                       | 3             | 4347              | 14.02                            | 8.72                          | 39.53                  | 11.80                          | 0.019653                        |
| 2024 | 3         | 1                     | 68001        | 6800110                 | 3             | 22025             | 16.21                            | 10.27                         | 38.35                  | 11.70                          | 0.023144                        |
| 2024 | 3         | 1                     | 5129         | 0                       | 3             | 29769             | 13.18                            | 6.09                          | 32.44                  | 11.31                          | 0.033513                        |
| 2024 | 3         | 1                     | 8001         | 0                       | 2             | 13113             | 4.56                             | 0.35                          | 42.55                  | 21.78                          | 0.069936                        |
| 2024 | 3         | 1                     | 8001         | 0800101                 | 2             | 1878              | 4.10                             | 0.35                          | 42.55                  | 25.43                          | 0.071917                        |
| 2024 | 3         | 1                     | 47245        | 0                       | 3             | 10830             | 8.41                             | 8.93                          | 40.28                  | 11.47                          | 0.035514                        |
| 2024 | 3         | 1                     | 25658        | 0                       | 3             | 11660             | 6.21                             | 4.94                          | 33.46                  | 14.67                          | 0.038775                        |
| 2024 | 3         | 1                     | 66594        | 0                       | 3             | 7716              | 12.42                            | 6.63                          | 44.86                  | 11.03                          | 0.026155                        |
| 2024 | 3         | 1                     | 70215        | 0                       | 2             | 573               | 1.78                             | 0.33                          | 54.03                  | 31.76                          | 0.062641                        |
| 2024 | 3         | 1                     | 70820        | 0                       | 3             | 8586              | 9.47                             | 6.97                          | 44.10                  | 13.12                          | 0.024667                        |
| 2024 | 3         | 1                     | 25743        | 0                       | 3             | 21635             | 6.88                             | 4.81                          | 33.86                  | 16.91                          | 0.035113                        |
| 2024 | 3         | 1                     | 70717        | 0                       | 3             | 3025              | 21.00                            | 7.25                          | 39.20                  | 11.15                          | 0.024274                        |
| 2024 | 3         | 1                     | 85162        | 0                       | 3             | 9252              | 10.52                            | 7.58                          | 40.72                  | 12.43                          | 0.030577                        |
| 2024 | 3         | 1                     | 76606        | 0                       | 3             | 4101              | 21.34                            | 6.45                          | 36.65                  | 11.76                          | 0.025939                        |
| 2024 | 3         | 1                     | 19318        | 0                       | 3             | 3227              | 10.38                            | 7.11                          | 46.14                  | 11.82                          | 0.028720                        |
| 2024 | 3         | 1                     | 8560         | 0                       | 3             | 4827              | 19.87                            | 6.45                          | 35.45                  | 11.62                          | 0.029404                        |
| 2024 | 3         | 1                     | 17513        | 0                       | 3             | 2083              | 13.87                            | 4.70                          | 48.22                  | 10.99                          | 0.030043                        |
| 2024 | 3         | 1                     | 76306        | 0                       | 3             | 5723              | 22.64                            | 5.37                          | 35.57                  | 14.06                          | 0.041402                        |
| 2024 | 3         | 1                     | 85010        | 0                       | 3             | 18826             | 9.69                             | 9.85                          | 37.26                  | 11.78                          | 0.030638                        |
| 2024 | 3         | 1                     | 25151        | 0                       | 3             | 13940             | 11.32                            | 6.81                          | 34.14                  | 14.14                          | 0.030925                        |
| 2024 | 3         | 1                     | 76113        | 0                       | 3             | 7785              | 21.69                            | 8.12                          | 35.78                  | 10.94                          | 0.050149                        |
| 2024 | 3         | 1                     | 73861        | 0                       | 3             | 4235              | 14.75                            | 8.02                          | 48.84                  | 13.49                          | 0.031555                        |
| 2024 | 3         | 1                     | 68745        | 0                       | 3             | 1990              | 14.97                            | 6.57                          | 40.34                  | 14.66                          | 0.031859                        |
| 2024 | 3         | 1                     | 68689        | 0                       | 3             | 4508              | 6.64                             | 4.83                          | 44.33                  | 16.07                          | 0.030409                        |
| 2024 | 3         | 1                     | 5809         | 0                       | 3             | 3670              | 9.10                             | 4.17                          | 36.08                  | 15.18                          | 0.029811                        |
| 2024 | 3         | 1                     | 5893         | 0                       | 3             | 5039              | 6.82                             | 5.17                          | 43.55                  | 15.99                          | 0.027144                        |
| 2024 | 3         | 1                     | 68176        | 0                       | 3             | 647               | 29.99                            | 5.44                          | 37.61                  | 13.90                          | 0.027276                        |
| 2024 | 3         | 1                     | 68575        | 0                       | 3             | 6025              | 9.06                             | 4.85                          | 50.23                  | 16.78                          | 0.030472                        |
| 2024 | 3         | 1                     | 19450        | 0                       | 3             | 1711              | 23.14                            | 4.89                          | 41.72                  | 14.97                          | 0.033776                        |
| 2024 | 3         | 1                     | 70713        | 0                       | 3             | 6349              | 16.72                            | 8.98                          | 44.49                  | 12.72                          | 0.024484                        |
| 2024 | 3         | 1                     | 5282         | 0                       | 3             | 3313              | 20.64                            | 5.13                          | 33.49                  | 11.85                          | 0.033500                        |
| 2024 | 3         | 1                     | 54874        | 0                       | 3             | 37600             | 12.34                            | 8.24                          | 36.76                  | 12.85                          | 0.022934                        |
| 2024 | 3         | 1                     | 18592        | 0                       | 3             | 4816              | 11.04                            | 8.69                          | 40.35                  | 13.92                          | 0.026193                        |
| 2024 | 3         | 1                     | 44650        | 0                       | 3             | 10480             | 13.00                            | 5.92                          | 38.82                  | 14.00                          | 0.036984                        |
| 2024 | 3         | 1                     | 68147        | 0                       | 3             | 1903              | 17.61                            | 6.72                          | 42.51                  | 11.56                          | 0.022857                        |
| 2024 | 3         | 1                     | 68229        | 0                       | 3             | 2457              | 17.91                            | 5.23                          | 39.11                  | 12.72                          | 0.030230                        |
| 2024 | 3         | 1                     | 5190         | 0                       | 3             | 4448              | 10.87                            | 6.39                          | 30.75                  | 11.17                          | 0.023182                        |
| 2024 | 3         | 1                     | 5576         | 0                       | 3             | 1687              | 14.85                            | 7.23                          | 33.86                  | 9.48                           | 0.028845                        |
| 2024 | 3         | 1                     | 23466        | 0                       | 3             | 14938             | 8.59                             | 7.17                          | 101.17                 | 14.73                          | 0.039681                        |
| 2024 | 3         | 1                     | 20250        | 0                       | 2             | 383               | 1.96                             | 0.29                          | 56.76                  | 38.74                          | 0.041456                        |
| 2024 | 3         | 1                     | 25645        | 0                       | 3             | 9221              | 9.26                             | 5.35                          | 38.38                  | 15.39                          | 0.033471                        |
| 2024 | 3         | 1                     | 27075        | 0                       | 3             | 3649              | 1.17                             | 4.22                          | 46.12                  | 13.97                          | 0.084021                        |
| 2024 | 3         | 1                     | 17013        | 0                       | 3             | 5460              | 10.17                            | 5.38                          | 48.71                  | 10.74                          | 0.036697                        |
| 2024 | 3         | 1                     | 44090        | 0                       | 3             | 10135             | 10.64                            | 5.02                          | 48.76                  | 15.31                          | 0.033657                        |
| 2024 | 3         | 1                     | 54001        | 5400110                 | 3             | 17726             | 10.07                            | 8.92                          | 35.76                  | 11.53                          | 0.020195                        |
| 2024 | 3         | 1                     | 5101         | 0                       | 3             | 6092              | 9.67                             | 5.31                          | 33.91                  | 13.25                          | 0.031918                        |
| 2024 | 3         | 1                     | 13650        | 0                       | 3             | 1135              | 15.27                            | 4.29                          | 51.29                  | 18.44                          | 0.035438                        |
| 2024 | 3         | 1                     | 73504        | 0                       | 3             | 4669              | 8.58                             | 4.55                          | 37.23                  | 16.66                          | 0.045889                        |
| 2024 | 3         | 1                     | 17433        | 0                       | 3             | 4753              | 13.65                            | 6.93                          | 43.52                  | 10.57                          | 0.024075                        |
| 2024 | 3         | 1                     | 54810        | 0                       | 3             | 12901             | 10.43                            | 6.35                          | 43.36                  | 16.53                          | 0.029416                        |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIMESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COMUNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD_DESCARGA | INDICADOR_VELOCIDAD_AD_CARGA | INDICADOR_LATENCIA | INDICADOR_FLUCTUACION_FASE | INDICADOR_TASA_PERDIDA_PAQUETES |
|------|-----------|-------------------|--------------|---------------------|---------------|-------------------|------------------------------|------------------------------|--------------------|----------------------------|---------------------------------|
| 2024 | 3         | 1                 | 47053        | 0                   | 3             | 7031              | 14.00                        | 5.95                         | 32.33              | 13.45                      | 0.031575                        |
| 2024 | 3         | 1                 | 41807        | 0                   | 3             | 3132              | 21.58                        | 6.44                         | 45.81              | 12.69                      | 0.041980                        |
| 2024 | 3         | 1                 | 25312        | 0                   | 3             | 12408             | 13.02                        | 7.61                         | 30.84              | 12.41                      | 0.025678                        |
| 2024 | 3         | 1                 | 66088        | 0                   | 3             | 6380              | 12.35                        | 6.02                         | 39.16              | 11.87                      | 0.024104                        |
| 2024 | 3         | 1                 | 5642         | 0                   | 3             | 1834              | 18.12                        | 3.68                         | 32.72              | 11.52                      | 0.037695                        |
| 2024 | 3         | 1                 | 85325        | 0                   | 3             | 2878              | 13.09                        | 6.87                         | 42.80              | 13.93                      | 0.036265                        |
| 2024 | 3         | 1                 | 5264         | 0                   | 3             | 4318              | 16.00                        | 6.10                         | 31.48              | 11.38                      | 0.024714                        |
| 2024 | 3         | 1                 | 17662        | 0                   | 3             | 5374              | 13.44                        | 7.27                         | 56.87              | 10.45                      | 0.033069                        |
| 2024 | 3         | 1                 | 66400        | 0                   | 3             | 12195             | 8.97                         | 7.14                         | 35.41              | 10.63                      | 0.022815                        |
| 2024 | 3         | 1                 | 54001        | 5400104             | 3             | 40285             | 10.19                        | 8.23                         | 38.39              | 12.62                      | 0.024103                        |
| 2024 | 3         | 1                 | 81794        | 0                   | 3             | 12529             | 7.38                         | 6.15                         | 50.67              | 14.73                      | 0.052889                        |
| 2024 | 3         | 1                 | 25572        | 0                   | 3             | 9524              | 7.07                         | 3.39                         | 54.25              | 15.51                      | 0.038539                        |
| 2024 | 3         | 1                 | 15542        | 0                   | 3             | 1595              | 12.29                        | 4.67                         | 32.10              | 12.64                      | 0.027673                        |
| 2024 | 3         | 1                 | 15632        | 0                   | 3             | 2167              | 18.41                        | 6.92                         | 35.88              | 14.02                      | 0.031869                        |
| 2024 | 3         | 1                 | 5001         | 0500102             | 3             | 26348             | 7.55                         | 5.72                         | 32.04              | 13.44                      | 0.031769                        |
| 2024 | 3         | 1                 | 25053        | 0                   | 3             | 4107              | 16.88                        | 6.27                         | 36.64              | 13.33                      | 0.029267                        |
| 2024 | 3         | 1                 | 52227        | 0                   | 3             | 5130              | 11.87                        | 4.16                         | 44.44              | 15.87                      | 0.036088                        |
| 2024 | 3         | 1                 | 17653        | 0                   | 3             | 4602              | 19.53                        | 7.30                         | 42.48              | 9.67                       | 0.025770                        |
| 2024 | 3         | 1                 | 52560        | 0                   | 3             | 1711              | 14.80                        | 6.64                         | 43.55              | 12.95                      | 0.027212                        |
| 2024 | 3         | 1                 | 25745        | 0                   | 3             | 6002              | 10.21                        | 5.24                         | 36.54              | 13.51                      | 0.027985                        |
| 2024 | 3         | 1                 | 76126        | 0                   | 3             | 4262              | 7.73                         | 6.04                         | 44.52              | 17.07                      | 0.049704                        |
| 2024 | 3         | 1                 | 70429        | 0                   | 3             | 2342              | 7.62                         | 5.46                         | 50.26              | 13.67                      | 0.044401                        |
| 2024 | 3         | 1                 | 5792         | 0                   | 3             | 1957              | 13.36                        | 3.92                         | 34.44              | 12.96                      | 0.035924                        |
| 2024 | 3         | 1                 | 15720        | 0                   | 3             | 914               | 27.74                        | 6.08                         | 38.39              | 11.98                      | 0.024913                        |
| 2024 | 3         | 1                 | 73408        | 0                   | 3             | 5382              | 15.82                        | 6.61                         | 31.95              | 11.72                      | 0.028564                        |
| 2024 | 3         | 1                 | 73217        | 0                   | 3             | 4265              | 23.72                        | 9.90                         | 35.89              | 13.92                      | 0.031134                        |
| 2024 | 3         | 1                 | 68385        | 0                   | 3             | 3208              | 12.92                        | 4.66                         | 46.76              | 13.75                      | 0.043984                        |
| 2024 | 3         | 1                 | 11001        | 1100109             | 2             | 12479             | 4.43                         | 0.39                         | 37.53              | 23.82                      | 0.081828                        |
| 2024 | 3         | 1                 | 15491        | 0                   | 3             | 10499             | 13.26                        | 8.06                         | 36.09              | 11.67                      | 0.024204                        |
| 2024 | 3         | 1                 | 54261        | 0                   | 3             | 8049              | 9.47                         | 6.55                         | 42.23              | 14.54                      | 0.026590                        |
| 2024 | 3         | 1                 | 5347         | 0                   | 3             | 1304              | 13.29                        | 3.49                         | 36.35              | 13.76                      | 0.034555                        |
| 2024 | 3         | 1                 | 25851        | 0                   | 3             | 2066              | 13.94                        | 2.82                         | 30.50              | 11.27                      | 0.034414                        |
| 2024 | 3         | 1                 | 47318        | 0                   | 3             | 2078              | 25.45                        | 8.60                         | 42.04              | 11.75                      | 0.029026                        |
| 2024 | 3         | 1                 | 15810        | 0                   | 3             | 1128              | 14.04                        | 5.89                         | 39.90              | 11.28                      | 0.026779                        |
| 2024 | 3         | 1                 | 23686        | 0                   | 2             | 202               | 1.53                         | 0.33                         | 56.27              | 41.50                      | 0.064737                        |
| 2024 | 3         | 1                 | 52036        | 0                   | 3             | 824               | 24.77                        | 9.81                         | 46.37              | 16.94                      | 0.025349                        |
| 2024 | 3         | 1                 | 15806        | 0                   | 3             | 8760              | 13.09                        | 7.95                         | 34.90              | 11.85                      | 0.026515                        |
| 2024 | 3         | 1                 | 76318        | 0                   | 3             | 6915              | 19.84                        | 9.00                         | 33.85              | 12.11                      | 0.032421                        |
| 2024 | 3         | 1                 | 68051        | 0                   | 3             | 3698              | 19.55                        | 8.22                         | 41.17              | 12.68                      | 0.027080                        |
| 2024 | 3         | 1                 | 25288        | 0                   | 3             | 3712              | 4.07                         | 3.42                         | 40.38              | 18.47                      | 0.062870                        |
| 2024 | 3         | 1                 | 8675         | 0                   | 3             | 2191              | 16.30                        | 9.52                         | 55.30              | 15.30                      | 0.050334                        |
| 2024 | 3         | 1                 | 73671        | 0                   | 3             | 6187              | 14.53                        | 9.54                         | 31.08              | 11.02                      | 0.027914                        |
| 2024 | 3         | 1                 | 52683        | 0                   | 3             | 2535              | 19.64                        | 5.22                         | 41.32              | 13.30                      | 0.030517                        |
| 2024 | 3         | 1                 | 41006        | 0                   | 3             | 5206              | 7.48                         | 5.38                         | 47.41              | 14.71                      | 0.045305                        |
| 2024 | 3         | 1                 | 8141         | 0                   | 3             | 1689              | 15.35                        | 11.25                        | 33.70              | 10.37                      | 0.042762                        |
| 2024 | 3         | 1                 | 19573        | 0                   | 3             | 15733             | 10.67                        | 6.59                         | 47.39              | 14.64                      | 0.036115                        |
| 2024 | 3         | 1                 | 5847         | 0                   | 3             | 3903              | 6.63                         | 4.26                         | 30.17              | 12.05                      | 0.031197                        |
| 2024 | 3         | 1                 | 23570        | 0                   | 3             | 3710              | 12.23                        | 5.83                         | 51.30              | 16.85                      | 0.037623                        |
| 2024 | 3         | 1                 | 5209         | 0                   | 3             | 2878              | 12.69                        | 4.75                         | 34.12              | 11.36                      | 0.034498                        |
| 2024 | 3         | 1                 | 18150        | 0                   | 3             | 5790              | 8.98                         | 7.85                         | 41.44              | 14.63                      | 0.042315                        |
| 2024 | 3         | 1                 | 68820        | 0                   | 3             | 2008              | 7.74                         | 5.00                         | 42.77              | 13.78                      | 0.024841                        |
| 2024 | 3         | 1                 | 5674         | 0                   | 3             | 3278              | 7.25                         | 2.62                         | 34.65              | 18.63                      | 0.039979                        |
| 2024 | 3         | 1                 | 5543         | 0                   | 3             | 1608              | 12.37                        | 4.07                         | 42.26              | 11.70                      | 0.036619                        |
| 2024 | 3         | 1                 | 85430        | 0                   | 3             | 3551              | 9.93                         | 10.50                        | 37.70              | 13.07                      | 0.019773                        |
| 2024 | 3         | 1                 | 47460        | 0                   | 3             | 5037              | 8.84                         | 7.70                         | 38.08              | 11.13                      | 0.042742                        |
| 2024 | 3         | 1                 | 25841        | 0                   | 3             | 3618              | 11.81                        | 5.04                         | 35.26              | 13.30                      | 0.028354                        |
| 2024 | 3         | 1                 | 86001        | 0                   | 3             | 21893             | 7.83                         | 6.62                         | 42.42              | 14.33                      | 0.028317                        |
| 2024 | 3         | 1                 | 85250        | 0                   | 3             | 11591             | 7.35                         | 8.64                         | 43.45              | 12.06                      | 0.029714                        |
| 2024 | 3         | 1                 | 54099        | 0                   | 3             | 1883              | 17.38                        | 5.25                         | 39.93              | 13.36                      | 0.029498                        |
| 2024 | 3         | 1                 | 8001         | 0800102             | 2             | 1588              | 2.96                         | 0.33                         | 43.90              | 26.81                      | 0.057715                        |
| 2024 | 3         | 1                 | 20001        | 0                   | 2             | 5155              | 3.03                         | 0.34                         | 53.88              | 26.95                      | 0.062198                        |
| 2024 | 3         | 1                 | 20001        | 2000103             | 2             | 585               | 2.21                         | 0.32                         | 55.16              | 31.71                      | 0.048586                        |
| 2024 | 3         | 1                 | 25178        | 0                   | 3             | 10379             | 7.05                         | 6.57                         | 32.81              | 15.47                      | 0.029475                        |
| 2024 | 3         | 1                 | 68498        | 0                   | 3             | 559               | 23.80                        | 6.35                         | 37.58              | 12.07                      | 0.024705                        |
| 2024 | 3         | 1                 | 25772        | 0                   | 3             | 7931              | 5.06                         | 4.37                         | 36.99              | 14.68                      | 0.053136                        |
| 2024 | 3         | 1                 | 63130        | 0                   | 2             | 839               | 2.27                         | 0.33                         | 57.87              | 27.64                      | 0.051477                        |
| 2024 | 3         | 1                 | 23464        | 0                   | 3             | 2187              | 17.82                        | 5.18                         | 40.33              | 12.77                      | 0.031967                        |
| 2024 | 3         | 1                 | 66318        | 0                   | 3             | 2991              | 13.42                        | 6.05                         | 42.32              | 12.58                      | 0.030198                        |
| 2024 | 3         | 1                 | 73001        | 7300113             | 3             | 8984              | 15.43                        | 11.27                        | 28.94              | 9.78                       | 0.021261                        |
| 2024 | 3         | 1                 | 50270        | 0                   | 2             | 50                | 1.23                         | 0.85                         | 49.24              | 38.46                      | 0.032835                        |
| 2024 | 3         | 1                 | 17444        | 0                   | 3             | 3622              | 8.27                         | 5.29                         | 45.96              | 10.80                      | 0.030698                        |
| 2024 | 3         | 1                 | 70702        | 0                   | 3             | 2216              | 23.64                        | 6.08                         | 45.50              | 11.81                      | 0.027322                        |
| 2024 | 3         | 1                 | 20013        | 0                   | 3             | 13228             | 8.99                         | 6.53                         | 41.66              | 13.33                      | 0.045102                        |
| 2024 | 3         | 1                 | 50318        | 0                   | 3             | 10554             | 11.35                        | 8.54                         | 34.62              | 11.91                      | 0.038901                        |
| 2024 | 3         | 1                 | 25398        | 0                   | 3             | 2160              | 8.76                         | 3.13                         | 32.52              | 15.01                      | 0.036654                        |
| 2024 | 3         | 1                 | 27430        | 0                   | 3             | 899               | 16.75                        | 5.25                         | 40.29              | 10.55                      | 0.031079                        |
| 2024 | 3         | 1                 | 17042        | 0                   | 3             | 11143             | 15.51                        | 6.87                         | 40.17              | 11.35                      | 0.026956                        |
| 2024 | 3         | 1                 | 70823        | 0                   | 3             | 4372              | 17.46                        | 5.82                         | 42.11              | 13.42                      | 0.027344                        |
| 2024 | 3         | 1                 | 23300        | 0                   | 3             | 2878              | 7.65                         | 6.82                         | 48.65              | 13.81                      | 0.058776                        |
| 2024 | 3         | 1                 | 70523        | 0                   | 3             | 1281              | 17.10                        | 4.02                         | 38.00              | 12.92                      | 0.033438                        |
| 2024 | 3         | 1                 | 54385        | 0                   | 2             | 110               | 1.68                         | 0.46                         | 54.91              | 43.18                      | 0.038221                        |
| 2024 | 3         | 1                 | 73770        | 0                   | 3             | 1696              | 14.64                        | 4.02                         | 36.03              | 16.15                      | 0.039512                        |
| 2024 | 3         | 1                 | 27800        | 0                   | 3             | 2349              | 8.55                         | 4.57                         | 47.36              | 15.45                      | 0.029819                        |
| 2024 | 3         | 1                 | 50590        | 0                   | 3             | 4099              | 6.69                         | 6.82                         | 39.46              | 15.68                      | 0.032855                        |
| 2024 | 3         | 1                 | 5284         | 0                   | 3             | 2663              | 6.79                         | 6.27                         | 46.12              | 12.16                      | 0.033998                        |
| 2024 | 3         | 1                 | 76318        | 0                   | 2             | 255               | 2.31                         | 0.37                         | 51.58              | 28.29                      | 0.041402                        |
| 2024 | 3         | 1                 | 5038         | 0                   | 3             | 3172              | 12.32                        | 5.03                         | 39.23              | 13.77                      | 0.033740                        |
| 2024 | 3         | 1                 | 15753        | 0                   | 3             | 5078              | 14.80                        | 7.55                         | 38.55              | 11.63                      | 0.024289                        |
| 2024 | 3         | 1                 | 66383        | 0                   | 3             | 2002              | 11.47                        | 5.98                         | 38.69              | 10.64                      | 0.028466                        |
| 2024 | 3         | 1                 | 17616        | 0                   | 3             | 3733              | 7.92                         | 5.21                         | 41.86              | 12.98                      | 0.031697                        |
| 2024 | 3         | 1                 | 5425         | 0                   | 3             | 4926              | 13.09                        | 5.51                         | 36.75              | 12.20                      | 0.027537                        |
| 2024 | 3         | 1                 | 76892        | 0                   | 2             | 2240              | 3.07                         | 0.34                         | 50.87              | 26.69                      | 0.053926                        |
| 2024 | 3         | 1                 | 15299        | 0                   | 3             | 7942              | 13.45                        | 8.64                         | 33.40              | 11.67                      | 0.025681                        |
| 2024 | 3         | 1                 | 81300        | 0                   | 3             | 2669              | 15.93                        | 7.91                         | 54.00              | 13.58                      | 0.026962                        |
| 2024 | 3         | 1                 | 13006        | 0                   | 3             | 1320              | 22.38                        | 7.01                         | 56.70              | 11.88                      | 0.037470                        |
| 2024 | 3         | 1                 | 5890         | 0                   | 3             | 4019              | 12.12                        | 4.56                         | 33.31              | 13.05                      | 0.030030                        |
| 2024 | 3         | 1                 | 73055        | 0                   | 2             | 233               | 1.79                         | 0.33                         | 50.52              | 38.55                      | 0.067155                        |
| 2024 | 3         | 1                 | 70670        | 0                   | 3             | 6887              | 11.17                        | 7.14                         | 43.95              | 13.07                      | 0.024252                        |
| 2024 | 3         | 1                 | 5234         | 0                   | 3             | 3593              | 7.34                         | 5.48                         | 40.23              | 12.65                      | 0.031376                        |
| 2024 | 3         | 1                 | 41306        | 0                   | 2             | 153               | 1.65                         | 0.30                         | 59.70              | 51.42                      | 0.070608                        |
| 2024 | 3         | 1                 | 11001        | 1100110             | 2             | 16200             | 4.04                         | 0.38                         | 36.75              | 23.12                      | 0.072007                        |
| 2024 | 3         | 1                 | 47980        | 0                   | 3             | 12081             | 18.17                        | 6.26                         | 35.54              | 14.83                      | 0.033310                        |
| 2024 | 3         | 1                 | 19142        | 0                   | 3             | 7199              | 9.85                         | 5.59                         | 39.02              | 14.03                      | 0.047314                        |
| 2024 | 3         | 1                 | 54520        | 0                   | 3             | 1713              | 19.44                        | 8.70                         | 41.05              | 12.51                      | 0.024669                        |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIMESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COMUNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD_DESCARGA | INDICADOR_VELOCIDAD_CARGA | INDICADOR_LATENCIA | INDICADOR_FLUCTUACION_FASE | INDICADOR_TASA_PERDIDA_PAQUETES |
|------|-----------|-------------------|--------------|---------------------|---------------|-------------------|------------------------------|---------------------------|--------------------|----------------------------|---------------------------------|
| 2024 | 3         | 1                 | 50124        | 0                   | 3             | 3865              | 13.45                        | 8.11                      | 37.46              | 14.78                      | 0.034833                        |
| 2024 | 3         | 1                 | 76001        | 0                   | 2             | 30637             | 4.01                         | 0.35                      | 50.53              | 23.31                      | 0.065214                        |
| 2024 | 3         | 1                 | 76001        | 7600107             | 2             | 1098              | 3.46                         | 0.33                      | 52.63              | 28.05                      | 0.068649                        |
| 2024 | 3         | 1                 | 20011        | 0                   | 2             | 781               | 2.96                         | 0.32                      | 65.36              | 27.05                      | 0.035874                        |
| 2024 | 3         | 1                 | 20045        | 0                   | 3             | 6284              | 14.84                        | 8.01                      | 39.63              | 12.15                      | 0.029441                        |
| 2024 | 3         | 1                 | 76001        | 7600119             | 2             | 3990              | 4.35                         | 0.35                      | 50.07              | 22.33                      | 0.069095                        |
| 2024 | 3         | 1                 | 5360         | 0                   | 2             | 4377              | 4.47                         | 0.35                      | 46.74              | 21.40                      | 0.073313                        |
| 2024 | 3         | 1                 | 76001        | 7600113             | 2             | 1062              | 2.47                         | 0.35                      | 51.67              | 31.21                      | 0.056010                        |
| 2024 | 3         | 1                 | 25322        | 0                   | 3             | 12544             | 6.35                         | 5.45                      | 33.05              | 12.68                      | 0.058789                        |
| 2024 | 3         | 1                 | 5664         | 0                   | 3             | 9212              | 9.07                         | 6.42                      | 34.35              | 11.95                      | 0.026278                        |
| 2024 | 3         | 1                 | 41319        | 0                   | 3             | 2874              | 9.45                         | 9.45                      | 45.03              | 13.83                      | 0.050231                        |
| 2024 | 3         | 1                 | 47692        | 0                   | 3             | 3354              | 4.85                         | 7.38                      | 43.53              | 12.61                      | 0.045212                        |
| 2024 | 3         | 1                 | 25245        | 0                   | 3             | 18151             | 10.49                        | 6.50                      | 36.69              | 14.33                      | 0.035167                        |
| 2024 | 3         | 1                 | 47030        | 0                   | 3             | 3296              | 16.70                        | 6.23                      | 34.61              | 12.05                      | 0.047525                        |
| 2024 | 3         | 1                 | 13670        | 0                   | 3             | 4053              | 6.57                         | 4.25                      | 45.49              | 16.08                      | 0.033573                        |
| 2024 | 3         | 1                 | 19743        | 0                   | 3             | 3688              | 7.76                         | 1.61                      | 40.34              | 12.74                      | 0.104075                        |
| 2024 | 3         | 1                 | 5659         | 0                   | 2             | 94                | 1.44                         | 0.41                      | 67.14              | 36.08                      | 0.038375                        |
| 2024 | 3         | 1                 | 15690        | 0                   | 3             | 1657              | 40.86                        | 6.61                      | 36.51              | 10.20                      | 0.027615                        |
| 2024 | 3         | 1                 | 47205        | 0                   | 3             | 1117              | 22.14                        | 9.30                      | 33.77              | 11.89                      | 0.064042                        |
| 2024 | 3         | 1                 | 5310         | 0                   | 3             | 2000              | 18.76                        | 7.85                      | 32.20              | 10.28                      | 0.025136                        |
| 2024 | 3         | 1                 | 23189        | 0                   | 2             | 244               | 1.65                         | 0.33                      | 61.80              | 38.40                      | 0.036420                        |
| 2024 | 3         | 1                 | 15087        | 0                   | 3             | 3573              | 6.69                         | 6.95                      | 36.78              | 14.04                      | 0.029188                        |
| 2024 | 3         | 1                 | 27245        | 0                   | 3             | 5470              | 10.68                        | 7.87                      | 43.73              | 11.35                      | 0.032070                        |
| 2024 | 3         | 1                 | 52399        | 0                   | 2             | 222               | 1.95                         | 0.29                      | 63.85              | 39.23                      | 0.056168                        |
| 2024 | 3         | 1                 | 85139        | 0                   | 3             | 6235              | 6.12                         | 8.73                      | 66.62              | 13.50                      | 0.041494                        |
| 2024 | 3         | 1                 | 86571        | 0                   | 3             | 2037              | 9.40                         | 7.79                      | 48.37              | 16.47                      | 0.030347                        |
| 2024 | 3         | 1                 | 52621        | 0                   | 3             | 639               | 0.58                         | 1.70                      | 55.40              | 23.61                      | 0.040609                        |
| 2024 | 3         | 1                 | 19110        | 0                   | 3             | 2042              | 15.43                        | 4.96                      | 37.08              | 15.31                      | 0.038286                        |
| 2024 | 3         | 1                 | 17001        | 0                   | 2             | 6240              | 3.81                         | 0.33                      | 56.32              | 21.34                      | 0.071220                        |
| 2024 | 3         | 1                 | 73678        | 0                   | 3             | 6931              | 18.18                        | 9.20                      | 35.26              | 14.35                      | 0.026982                        |
| 2024 | 3         | 1                 | 63302        | 0                   | 3             | 2920              | 11.40                        | 6.44                      | 38.28              | 11.61                      | 0.028865                        |
| 2024 | 3         | 1                 | 50711        | 0                   | 3             | 4380              | 10.22                        | 7.74                      | 37.08              | 13.55                      | 0.044485                        |
| 2024 | 3         | 1                 | 20178        | 0                   | 3             | 7955              | 13.90                        | 9.45                      | 44.48              | 11.78                      | 0.031650                        |
| 2024 | 3         | 1                 | 5659         | 0                   | 3             | 3375              | 15.16                        | 6.35                      | 45.62              | 14.02                      | 0.026531                        |
| 2024 | 3         | 1                 | 15835        | 0                   | 3             | 2077              | 18.93                        | 9.95                      | 35.34              | 11.36                      | 0.024488                        |
| 2024 | 3         | 1                 | 5858         | 0                   | 3             | 6188              | 5.21                         | 5.75                      | 32.52              | 13.98                      | 0.023196                        |
| 2024 | 3         | 1                 | 99001        | 0                   | 3             | 11144             | 3.27                         | 5.27                      | 118.47             | 23.36                      | 0.081832                        |
| 2024 | 3         | 1                 | 25295        | 0                   | 3             | 13353             | 11.84                        | 8.87                      | 33.79              | 12.91                      | 0.047051                        |
| 2024 | 3         | 1                 | 13894        | 0                   | 3             | 2257              | 29.61                        | 10.66                     | 43.98              | 12.55                      | 0.039828                        |
| 2024 | 3         | 1                 | 23001        | 2300107             | 3             | 13734             | 20.56                        | 12.52                     | 41.30              | 10.41                      | 0.018224                        |
| 2024 | 3         | 1                 | 13780        | 0                   | 3             | 1437              | 12.83                        | 7.57                      | 47.99              | 12.45                      | 0.055267                        |
| 2024 | 3         | 1                 | 25402        | 0                   | 2             | 404               | 1.31                         | 0.75                      | 44.54              | 50.04                      | 0.047419                        |
| 2024 | 3         | 1                 | 5001         | 0                   | 2             | 35885             | 3.90                         | 0.34                      | 45.38              | 24.89                      | 0.063852                        |
| 2024 | 3         | 1                 | 25805        | 0                   | 3             | 1738              | 14.00                        | 3.42                      | 34.39              | 15.94                      | 0.038274                        |
| 2024 | 3         | 1                 | 47703        | 0                   | 3             | 1270              | 13.14                        | 4.31                      | 44.06              | 18.01                      | 0.041286                        |
| 2024 | 3         | 1                 | 52696        | 0                   | 3             | 936               | 17.45                        | 9.11                      | 48.12              | 9.12                       | 0.020698                        |
| 2024 | 3         | 1                 | 8573         | 0                   | 2             | 849               | 4.76                         | 0.72                      | 39.61              | 19.24                      | 0.053256                        |
| 2024 | 3         | 1                 | 5861         | 0                   | 3             | 4515              | 18.88                        | 6.09                      | 34.04              | 10.72                      | 0.029771                        |
| 2024 | 3         | 1                 | 15425        | 0                   | 3             | 1694              | 21.58                        | 4.29                      | 35.82              | 12.45                      | 0.034725                        |
| 2024 | 3         | 1                 | 20787        | 0                   | 2             | 105               | 1.14                         | 0.22                      | 68.72              | 47.50                      | 0.042053                        |
| 2024 | 3         | 1                 | 63001        | 0                   | 2             | 4646              | 3.69                         | 0.34                      | 57.51              | 20.62                      | 0.061442                        |
| 2024 | 3         | 1                 | 25436        | 0                   | 3             | 1311              | 10.40                        | 3.84                      | 44.02              | 13.99                      | 0.037885                        |
| 2024 | 3         | 1                 | 41770        | 0                   | 3             | 3965              | 9.65                         | 5.47                      | 51.83              | 15.69                      | 0.041234                        |
| 2024 | 3         | 1                 | 13647        | 0                   | 3             | 4138              | 9.74                         | 8.32                      | 38.93              | 12.67                      | 0.034033                        |
| 2024 | 3         | 1                 | 85225        | 0                   | 3             | 3306              | 15.49                        | 5.10                      | 40.16              | 13.71                      | 0.036222                        |
| 2024 | 3         | 1                 | 5887         | 0                   | 3             | 13967             | 8.40                         | 5.92                      | 39.44              | 12.51                      | 0.029524                        |
| 2024 | 3         | 1                 | 5361         | 0                   | 3             | 3211              | 10.71                        | 4.88                      | 55.89              | 13.15                      | 0.038625                        |
| 2024 | 3         | 1                 | 52260        | 0                   | 3             | 2871              | 9.38                         | 3.22                      | 41.99              | 13.87                      | 0.028944                        |
| 2024 | 3         | 1                 | 20787        | 0                   | 3             | 2138              | 16.69                        | 5.04                      | 44.37              | 16.13                      | 0.034828                        |
| 2024 | 3         | 1                 | 20614        | 0                   | 3             | 2736              | 13.88                        | 6.71                      | 51.76              | 14.18                      | 0.031118                        |
| 2024 | 3         | 1                 | 5088         | 0508809             | 3             | 13832             | 13.68                        | 5.20                      | 28.46              | 12.89                      | 0.030961                        |
| 2024 | 3         | 1                 | 86320        | 0                   | 3             | 9766              | 7.71                         | 6.75                      | 61.33              | 13.96                      | 0.056777                        |
| 2024 | 3         | 1                 | 23182        | 0                   | 3             | 7541              | 14.69                        | 6.50                      | 47.96              | 13.40                      | 0.027536                        |
| 2024 | 3         | 1                 | 52354        | 0                   | 2             | 197               | 1.32                         | 0.40                      | 58.31              | 36.25                      | 0.049383                        |
| 2024 | 3         | 1                 | 52287        | 0                   | 3             | 1703              | 22.68                        | 5.80                      | 39.24              | 12.38                      | 0.023965                        |
| 2024 | 3         | 1                 | 25823        | 0                   | 3             | 1310              | 23.85                        | 3.01                      | 32.14              | 14.46                      | 0.037798                        |
| 2024 | 3         | 1                 | 15667        | 0                   | 3             | 1606              | 38.27                        | 13.07                     | 36.13              | 9.19                       | 0.021064                        |
| 2024 | 3         | 1                 | 41306        | 0                   | 3             | 7428              | 8.58                         | 4.76                      | 54.45              | 14.11                      | 0.044469                        |
| 2024 | 3         | 1                 | 19392        | 0                   | 3             | 2010              | 15.56                        | 4.42                      | 37.29              | 14.66                      | 0.032898                        |
| 2024 | 3         | 1                 | 15500        | 0                   | 3             | 2397              | 13.30                        | 5.90                      | 34.16              | 14.74                      | 0.030033                        |
| 2024 | 3         | 1                 | 76001        | 7600116             | 2             | 1095              | 3.44                         | 0.37                      | 50.61              | 23.61                      | 0.058055                        |
| 2024 | 3         | 1                 | 68895        | 0                   | 3             | 1898              | 17.13                        | 3.29                      | 35.20              | 11.41                      | 0.034606                        |
| 2024 | 3         | 1                 | 23815        | 0                   | 3             | 2269              | 9.69                         | 6.21                      | 41.56              | 14.69                      | 0.038328                        |
| 2024 | 3         | 1                 | 19532        | 0                   | 3             | 5887              | 13.89                        | 5.91                      | 39.13              | 14.72                      | 0.034295                        |
| 2024 | 3         | 1                 | 15693        | 0                   | 3             | 5915              | 10.62                        | 7.80                      | 31.97              | 9.90                       | 0.022222                        |
| 2024 | 3         | 1                 | 15814        | 0                   | 3             | 2591              | 18.98                        | 10.24                     | 51.32              | 14.53                      | 0.025410                        |
| 2024 | 3         | 1                 | 25513        | 0                   | 2             | 568               | 1.26                         | 0.77                      | 42.14              | 41.34                      | 0.043427                        |
| 2024 | 3         | 1                 | 52786        | 0                   | 3             | 3383              | 11.41                        | 4.01                      | 43.70              | 13.87                      | 0.037569                        |
| 2024 | 3         | 1                 | 23660        | 0                   | 2             | 550               | 1.91                         | 0.31                      | 52.63              | 39.56                      | 0.056775                        |
| 2024 | 3         | 1                 | 17541        | 0                   | 3             | 5109              | 15.52                        | 5.39                      | 48.75              | 11.51                      | 0.025605                        |
| 2024 | 3         | 1                 | 15480        | 0                   | 3             | 2990              | 6.89                         | 4.16                      | 41.41              | 12.70                      | 0.028989                        |
| 2024 | 3         | 1                 | 15740        | 0                   | 3             | 1577              | 16.40                        | 6.62                      | 34.71              | 12.53                      | 0.041137                        |
| 2024 | 3         | 1                 | 15236        | 0                   | 3             | 462               | 43.85                        | 8.08                      | 36.20              | 11.46                      | 0.026262                        |
| 2024 | 3         | 1                 | 68547        | 0                   | 2             | 1312              | 1.99                         | 0.31                      | 47.95              | 34.81                      | 0.064441                        |
| 2024 | 3         | 1                 | 23001        | 2300109             | 3             | 5496              | 14.30                        | 7.55                      | 48.02              | 11.35                      | 0.026604                        |
| 2024 | 3         | 1                 | 25151        | 0                   | 2             | 390               | 1.81                         | 0.87                      | 46.86              | 43.19                      | 0.043116                        |
| 2024 | 3         | 1                 | 27077        | 0                   | 3             | 1836              | 7.88                         | 4.39                      | 37.53              | 12.28                      | 0.031177                        |
| 2024 | 3         | 1                 | 25885        | 0                   | 3             | 2807              | 21.25                        | 5.84                      | 34.22              | 15.37                      | 0.032351                        |
| 2024 | 3         | 1                 | 15223        | 0                   | 3             | 1409              | 2.61                         | 5.01                      | 42.76              | 10.62                      | 0.050855                        |
| 2024 | 3         | 1                 | 68167        | 0                   | 3             | 2176              | 14.51                        | 8.28                      | 44.62              | 13.33                      | 0.026911                        |
| 2024 | 3         | 1                 | 70233        | 0                   | 3             | 1516              | 22.83                        | 5.97                      | 36.73              | 12.17                      | 0.031613                        |
| 2024 | 3         | 1                 | 19824        | 0                   | 3             | 2203              | 4.21                         | 2.39                      | 59.82              | 15.08                      | 0.097695                        |
| 2024 | 3         | 1                 | 41349        | 0                   | 3             | 4881              | 13.82                        | 7.14                      | 44.49              | 12.28                      | 0.033127                        |
| 2024 | 3         | 1                 | 76616        | 0                   | 3             | 4041              | 33.33                        | 9.76                      | 33.97              | 11.24                      | 0.032176                        |
| 2024 | 3         | 1                 | 23672        | 0                   | 3             | 5611              | 14.68                        | 3.91                      | 41.88              | 14.89                      | 0.032159                        |
| 2024 | 3         | 1                 | 73275        | 0                   | 2             | 374               | 2.62                         | 0.42                      | 45.27              | 23.77                      | 0.074709                        |
| 2024 | 3         | 1                 | 68755        | 0                   | 3             | 7618              | 18.93                        | 6.68                      | 38.13              | 12.34                      | 0.027509                        |
| 2024 | 3         | 1                 | 41668        | 0                   | 3             | 5414              | 8.39                         | 8.05                      | 56.08              | 14.04                      | 0.052361                        |
| 2024 | 3         | 1                 | 19455        | 0                   | 3             | 9291              | 9.86                         | 8.21                      | 41.62              | 12.16                      | 0.047925                        |
| 2024 | 3         | 1                 | 15051        | 0                   | 3             | 3885              | 12.22                        | 6.17                      | 32.03              | 10.49                      | 0.026339                        |
| 2024 | 3         | 1                 | 5002         | 0                   | 3             | 3143              | 10.87                        | 3.85                      | 66.40              | 16.10                      | 0.043787                        |
| 2024 | 3         | 1                 | 13042        | 0                   | 3             | 1237              | 19.98                        | 7.09                      | 43.15              | 12.37                      | 0.036781                        |
| 2024 | 3         | 1                 | 54109        | 0                   | 3             | 1066              | 11.06                        | 3.76                      | 44.34              | 15.64                      | 0.033903                        |
| 2024 | 3         | 1                 | 19585        | 0                   | 3             | 1709              | 16.29                        | 5.70                      | 48.42              | 12.76                      | 0.031378                        |





INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIMESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COMUNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD_DESCARGA | INDICADOR_VELOCIDAD_AD_CARGA | INDICADOR_LATENCIA | INDICADOR_FLUCTUACION_FASE | INDICADOR_TASA_PERDIDA_PAQUETES |
|------|-----------|-------------------|--------------|---------------------|---------------|-------------------|------------------------------|------------------------------|--------------------|----------------------------|---------------------------------|
| 2024 | 3         | 1                 | 76377        | 0                   | 3             | 4438              | 22.31                        | 4.50                         | 36.30              | 12.63                      | 0.029963                        |
| 2024 | 3         | 1                 | 27001        | 0                   | 2             | 1276              | 1.13                         | 0.32                         | 62.87              | 43.11                      | 0.052685                        |
| 2024 | 3         | 1                 | 52405        | 0                   | 3             | 1473              | 12.04                        | 5.27                         | 43.51              | 15.21                      | 0.032963                        |
| 2024 | 3         | 1                 | 8421         | 0                   | 3             | 4127              | 13.29                        | 8.51                         | 54.85              | 14.12                      | 0.035934                        |
| 2024 | 3         | 1                 | 68344        | 0                   | 3             | 821               | 18.02                        | 4.72                         | 38.78              | 12.99                      | 0.027485                        |
| 2024 | 3         | 1                 | 19473        | 0                   | 3             | 1666              | 1.90                         | 3.61                         | 39.65              | 14.88                      | 0.120563                        |
| 2024 | 3         | 1                 | 68079        | 0                   | 3             | 1965              | 15.34                        | 3.59                         | 39.85              | 14.39                      | 0.037023                        |
| 2024 | 3         | 1                 | 68502        | 0                   | 3             | 903               | 19.78                        | 5.21                         | 41.62              | 13.32                      | 0.034777                        |
| 2024 | 3         | 1                 | 68770        | 0                   | 3             | 3093              | 26.59                        | 7.15                         | 45.62              | 12.34                      | 0.029221                        |
| 2024 | 3         | 1                 | 15522        | 0                   | 3             | 536               | 27.46                        | 8.76                         | 38.11              | 9.63                       | 0.020864                        |
| 2024 | 3         | 1                 | 44874        | 0                   | 2             | 201               | 1.90                         | 0.77                         | 52.02              | 30.17                      | 0.046354                        |
| 2024 | 3         | 1                 | 25281        | 0                   | 3             | 1713              | 9.02                         | 6.59                         | 32.00              | 13.03                      | 0.027837                        |
| 2024 | 3         | 1                 | 73200        | 0                   | 3             | 4661              | 10.62                        | 5.76                         | 39.39              | 14.05                      | 0.039001                        |
| 2024 | 3         | 1                 | 66075        | 0                   | 3             | 3338              | 9.82                         | 5.06                         | 39.91              | 13.60                      | 0.029937                        |
| 2024 | 3         | 1                 | 25086        | 0                   | 3             | 877               | 19.86                        | 5.58                         | 34.56              | 12.47                      | 0.035598                        |
| 2024 | 3         | 1                 | 70110        | 0                   | 3             | 1708              | 17.69                        | 10.51                        | 43.92              | 10.76                      | 0.016949                        |
| 2024 | 3         | 1                 | 95015        | 0                   | 3             | 1220              | 36.18                        | 7.49                         | 38.32              | 12.02                      | 0.029055                        |
| 2024 | 3         | 1                 | 5615         | 0                   | 2             | 3968              | 2.46                         | 0.34                         | 50.19              | 28.34                      | 0.059598                        |
| 2024 | 3         | 1                 | 23855        | 0                   | 3             | 5093              | 4.31                         | 7.40                         | 45.00              | 12.28                      | 0.067331                        |
| 2024 | 3         | 1                 | 50683        | 0                   | 3             | 2363              | 20.02                        | 10.10                        | 34.79              | 12.42                      | 0.026567                        |
| 2024 | 3         | 1                 | 25483        | 0                   | 3             | 1836              | 10.20                        | 4.65                         | 33.81              | 11.95                      | 0.037363                        |
| 2024 | 3         | 1                 | 13549        | 0                   | 3             | 847               | 13.67                        | 5.13                         | 44.86              | 13.80                      | 0.059188                        |
| 2024 | 3         | 1                 | 5819         | 0                   | 3             | 2590              | 14.42                        | 5.62                         | 54.89              | 13.10                      | 0.039278                        |
| 2024 | 3         | 1                 | 85410        | 0                   | 3             | 12463             | 4.34                         | 7.02                         | 97.61              | 14.91                      | 0.052924                        |
| 2024 | 3         | 1                 | 76403        | 0                   | 3             | 2230              | 23.05                        | 6.14                         | 40.40              | 12.82                      | 0.039470                        |
| 2024 | 3         | 1                 | 5480         | 0                   | 3             | 3740              | 2.52                         | 3.25                         | 75.83              | 15.50                      | 0.093870                        |
| 2024 | 3         | 1                 | 68500        | 0                   | 3             | 2657              | 21.22                        | 5.81                         | 39.15              | 12.28                      | 0.029423                        |
| 2024 | 3         | 1                 | 20013        | 0                   | 2             | 194               | 1.02                         | 0.31                         | 61.12              | 56.36                      | 0.046106                        |
| 2024 | 3         | 1                 | 66687        | 0                   | 3             | 3726              | 8.07                         | 3.84                         | 40.53              | 13.22                      | 0.038461                        |
| 2024 | 3         | 1                 | 52788        | 0                   | 3             | 3942              | 24.92                        | 6.92                         | 38.23              | 11.60                      | 0.024834                        |
| 2024 | 3         | 1                 | 68081        | 0                   | 2             | 2399              | 2.88                         | 0.33                         | 49.73              | 33.06                      | 0.048603                        |
| 2024 | 3         | 1                 | 52051        | 0                   | 3             | 1394              | 18.22                        | 4.90                         | 41.11              | 12.78                      | 0.032764                        |
| 2024 | 3         | 1                 | 13810        | 0                   | 3             | 1108              | 14.02                        | 4.50                         | 45.49              | 13.18                      | 0.052954                        |
| 2024 | 3         | 1                 | 73124        | 0                   | 3             | 8626              | 10.70                        | 10.89                        | 38.32              | 11.14                      | 0.041160                        |
| 2024 | 3         | 1                 | 81065        | 0                   | 3             | 7319              | 6.85                         | 6.59                         | 72.00              | 15.29                      | 0.054679                        |
| 2024 | 3         | 1                 | 8758         | 0                   | 2             | 3377              | 3.33                         | 0.34                         | 44.88              | 25.42                      | 0.051892                        |
| 2024 | 3         | 1                 | 8758         | 0875803             | 2             | 718               | 3.87                         | 0.34                         | 43.81              | 23.75                      | 0.049168                        |
| 2024 | 3         | 1                 | 8001         | 0800104             | 2             | 4779              | 5.09                         | 0.36                         | 42.61              | 20.70                      | 0.071710                        |
| 2024 | 3         | 1                 | 47545        | 0                   | 3             | 1773              | 19.91                        | 4.48                         | 40.21              | 15.79                      | 0.044165                        |
| 2024 | 3         | 1                 | 81001        | 0                   | 3             | 17771             | 10.55                        | 8.02                         | 47.15              | 13.15                      | 0.032376                        |
| 2024 | 3         | 1                 | 15621        | 0                   | 3             | 745               | 27.23                        | 8.64                         | 35.00              | 11.23                      | 0.026127                        |
| 2024 | 3         | 1                 | 15600        | 0                   | 2             | 173               | 1.35                         | 0.76                         | 48.18              | 35.41                      | 0.046266                        |
| 2024 | 3         | 1                 | 5120         | 0                   | 3             | 5357              | 13.26                        | 4.51                         | 41.86              | 13.74                      | 0.031500                        |
| 2024 | 3         | 1                 | 23079        | 0                   | 3             | 2848              | 18.51                        | 7.00                         | 53.98              | 15.46                      | 0.033351                        |
| 2024 | 3         | 1                 | 73483        | 0                   | 3             | 4213              | 19.63                        | 5.74                         | 34.18              | 13.57                      | 0.029880                        |
| 2024 | 3         | 1                 | 41359        | 0                   | 3             | 3704              | 9.59                         | 7.93                         | 55.30              | 12.21                      | 0.046739                        |
| 2024 | 3         | 1                 | 52381        | 0                   | 3             | 2263              | 12.46                        | 4.65                         | 48.50              | 16.51                      | 0.037878                        |
| 2024 | 3         | 1                 | 17388        | 0                   | 3             | 928               | 26.36                        | 8.25                         | 52.04              | 10.85                      | 0.029098                        |
| 2024 | 3         | 1                 | 15897        | 0                   | 3             | 1691              | 25.56                        | 8.71                         | 35.50              | 11.11                      | 0.021824                        |
| 2024 | 3         | 1                 | 8606         | 0                   | 3             | 2552              | 9.22                         | 5.06                         | 37.76              | 13.67                      | 0.050331                        |
| 2024 | 3         | 1                 | 23670        | 0                   | 3             | 3079              | 16.83                        | 8.01                         | 40.31              | 13.59                      | 0.025475                        |
| 2024 | 3         | 1                 | 52203        | 0                   | 3             | 1020              | 20.70                        | 3.95                         | 41.82              | 12.89                      | 0.028835                        |
| 2024 | 3         | 1                 | 41548        | 0                   | 3             | 2266              | 8.61                         | 2.78                         | 41.58              | 12.40                      | 0.039442                        |
| 2024 | 3         | 1                 | 52001        | 0                   | 2             | 4868              | 2.84                         | 0.35                         | 54.63              | 27.62                      | 0.046529                        |
| 2024 | 3         | 1                 | 15204        | 0                   | 3             | 6475              | 17.27                        | 6.25                         | 35.11              | 13.45                      | 0.031385                        |
| 2024 | 3         | 1                 | 5368         | 0                   | 3             | 3967              | 11.99                        | 5.29                         | 34.83              | 10.73                      | 0.040762                        |
| 2024 | 3         | 1                 | 19821        | 0                   | 3             | 2190              | 7.96                         | 4.10                         | 49.98              | 15.14                      | 0.056481                        |
| 2024 | 3         | 1                 | 76001        | 7600117             | 2             | 3505              | 4.85                         | 0.38                         | 50.19              | 20.11                      | 0.074852                        |
| 2024 | 3         | 1                 | 50450        | 0                   | 3             | 1745              | 8.61                         | 3.71                         | 38.28              | 16.86                      | 0.041951                        |
| 2024 | 3         | 1                 | 25438        | 0                   | 3             | 2554              | 7.74                         | 6.78                         | 42.52              | 13.16                      | 0.041108                        |
| 2024 | 3         | 1                 | 5628         | 0                   | 3             | 805               | 15.51                        | 4.15                         | 32.84              | 14.13                      | 0.028969                        |
| 2024 | 3         | 1                 | 5055         | 0                   | 3             | 1524              | 15.71                        | 4.93                         | 59.16              | 12.70                      | 0.033147                        |
| 2024 | 3         | 1                 | 25839        | 0                   | 3             | 3408              | 17.70                        | 3.78                         | 34.41              | 12.71                      | 0.080037                        |
| 2024 | 3         | 1                 | 76233        | 0                   | 2             | 563               | 1.74                         | 0.35                         | 55.62              | 33.32                      | 0.047837                        |
| 2024 | 3         | 1                 | 88001        | 0                   | 2             | 1125              | 3.88                         | 0.32                         | 63.41              | 24.16                      | 0.066174                        |
| 2024 | 3         | 1                 | 17088        | 0                   | 3             | 3812              | 7.09                         | 5.42                         | 43.73              | 13.11                      | 0.032536                        |
| 2024 | 3         | 1                 | 15232        | 0                   | 3             | 670               | 33.81                        | 11.00                        | 36.40              | 12.68                      | 0.035829                        |
| 2024 | 3         | 1                 | 8372         | 0                   | 2             | 137               | 2.86                         | 0.29                         | 55.38              | 51.42                      | 0.081997                        |
| 2024 | 3         | 1                 | 52354        | 0                   | 3             | 2851              | 15.88                        | 3.38                         | 39.68              | 14.09                      | 0.034977                        |
| 2024 | 3         | 1                 | 70742        | 0                   | 3             | 5321              | 12.56                        | 5.62                         | 45.70              | 12.20                      | 0.025375                        |
| 2024 | 3         | 1                 | 54313        | 0                   | 3             | 1770              | 16.16                        | 7.84                         | 45.49              | 14.41                      | 0.027344                        |
| 2024 | 3         | 1                 | 50400        | 0                   | 3             | 3415              | 20.32                        | 10.52                        | 37.10              | 12.84                      | 0.039246                        |
| 2024 | 3         | 1                 | 13433        | 0                   | 3             | 4539              | 19.58                        | 5.24                         | 39.14              | 15.87                      | 0.031841                        |
| 2024 | 3         | 1                 | 19693        | 0                   | 3             | 588               | 14.59                        | 5.09                         | 44.70              | 20.44                      | 0.035721                        |
| 2024 | 3         | 1                 | 13490        | 0                   | 3             | 1239              | 4.29                         | 4.59                         | 51.06              | 14.11                      | 0.028525                        |
| 2024 | 3         | 1                 | 17867        | 0                   | 3             | 3786              | 6.99                         | 4.98                         | 58.58              | 13.00                      | 0.040860                        |
| 2024 | 3         | 1                 | 23162        | 0                   | 2             | 812               | 2.09                         | 0.34                         | 56.55              | 29.99                      | 0.049924                        |
| 2024 | 3         | 1                 | 76001        | 7600112             | 2             | 832               | 2.60                         | 0.33                         | 51.66              | 32.50                      | 0.054070                        |
| 2024 | 3         | 1                 | 5001         | 0500115             | 2             | 2452              | 5.38                         | 0.34                         | 46.45              | 25.74                      | 0.066514                        |
| 2024 | 3         | 1                 | 25328        | 0                   | 3             | 1705              | 19.05                        | 3.56                         | 30.05              | 14.37                      | 0.035438                        |
| 2024 | 3         | 1                 | 19290        | 0                   | 3             | 680               | 22.19                        | 4.66                         | 42.80              | 14.37                      | 0.035669                        |
| 2024 | 3         | 1                 | 11001        | 1100107             | 2             | 9288              | 2.73                         | 0.38                         | 40.04              | 27.83                      | 0.062383                        |
| 2024 | 3         | 1                 | 20443        | 0                   | 3             | 3312              | 3.09                         | 3.34                         | 44.66              | 17.14                      | 0.031599                        |
| 2024 | 3         | 1                 | 41660        | 0                   | 3             | 1390              | 23.62                        | 9.64                         | 37.95              | 12.96                      | 0.027393                        |
| 2024 | 3         | 1                 | 86755        | 0                   | 3             | 1247              | 11.42                        | 4.09                         | 44.61              | 15.47                      | 0.029352                        |
| 2024 | 3         | 1                 | 5585         | 0                   | 3             | 4095              | 13.17                        | 4.83                         | 62.32              | 14.48                      | 0.023045                        |
| 2024 | 3         | 1                 | 15238        | 0                   | 2             | 2258              | 2.75                         | 1.01                         | 42.35              | 31.97                      | 0.036855                        |
| 2024 | 3         | 1                 | 25286        | 0                   | 2             | 3220              | 3.27                         | 0.38                         | 38.90              | 23.84                      | 0.076378                        |
| 2024 | 3         | 1                 | 50006        | 0                   | 2             | 1116              | 3.97                         | 0.74                         | 44.26              | 36.34                      | 0.068071                        |
| 2024 | 3         | 1                 | 41885        | 0                   | 3             | 3418              | 12.89                        | 6.97                         | 56.85              | 12.59                      | 0.039623                        |
| 2024 | 3         | 1                 | 20770        | 0                   | 3             | 5185              | 10.71                        | 8.31                         | 62.69              | 12.58                      | 0.028111                        |
| 2024 | 3         | 1                 | 63470        | 0                   | 2             | 602               | 3.30                         | 0.32                         | 55.44              | 29.34                      | 0.070053                        |
| 2024 | 3         | 1                 | 54871        | 0                   | 3             | 834               | 20.61                        | 10.01                        | 39.94              | 9.61                       | 0.023653                        |
| 2024 | 3         | 1                 | 8638         | 0                   | 2             | 459               | 1.78                         | 0.32                         | 48.02              | 31.05                      | 0.068090                        |
| 2024 | 3         | 1                 | 5607         | 0                   | 3             | 16754             | 15.50                        | 4.63                         | 40.45              | 12.86                      | 0.030058                        |
| 2024 | 3         | 1                 | 5138         | 0                   | 3             | 3894              | 6.48                         | 3.30                         | 43.69              | 14.37                      | 0.039692                        |
| 2024 | 3         | 1                 | 5790         | 0                   | 3             | 4483              | 19.32                        | 7.33                         | 41.66              | 10.82                      | 0.028680                        |
| 2024 | 3         | 1                 | 18610        | 0                   | 3             | 2653              | 9.73                         | 4.71                         | 50.74              | 13.68                      | 0.031320                        |
| 2024 | 3         | 1                 | 73622        | 0                   | 3             | 1017              | 11.08                        | 4.10                         | 37.58              | 16.59                      | 0.045453                        |
| 2024 | 3         | 1                 | 41020        | 0                   | 3             | 3422              | 8.40                         | 7.55                         | 90.92              | 17.73                      | 0.057710                        |
| 2024 | 3         | 1                 | 15839        | 0                   | 3             | 922               | 7.81                         | 4.07                         | 40.84              | 13.26                      | 0.046528                        |
| 2024 | 3         | 1                 | 13655        | 0                   | 3             | 1105              | 21.24                        | 9.37                         | 55.42              | 12.01                      | 0.058526                        |
| 2024 | 3         | 1                 | 25486        | 0                   | 3             | 8373              | 11.50                        | 6.32                         | 29.97              | 13.84                      | 0.026125                        |
| 2024 | 3         | 1                 | 41378        | 0                   | 3             | 2055              | 5.28                         | 5.89                         | 50.88              | 15.08                      | 0.032576                        |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIM<br>ESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COM<br>UNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD<br>_DESCARGA | INDICADOR_VELOCIDAD<br>AD_CARGA | INDICADOR_LATE<br>NCIA | INDICADOR_FLUCTU<br>ACION_FASE | INDICADOR_TASA_PERDIDA<br>_PAQU |
|------|-----------|-----------------------|--------------|-------------------------|---------------|-------------------|----------------------------------|---------------------------------|------------------------|--------------------------------|---------------------------------|
| 2024 | 3         | 1                     | 15097        | 0                       | 3             | 1873              | 21.88                            | 6.61                            | 38.18                  | 10.63                          | 0.021883                        |
| 2024 | 3         | 1                     | 76828        | 0                       | 3             | 2248              | 13.04                            | 6.76                            | 34.11                  | 12.96                          | 0.032833                        |
| 2024 | 3         | 1                     | 73347        | 0                       | 3             | 1673              | 22.30                            | 5.75                            | 37.49                  | 12.16                          | 0.036906                        |
| 2024 | 3         | 1                     | 5107         | 0                       | 3             | 1661              | 18.67                            | 6.15                            | 45.86                  | 13.59                          | 0.033025                        |
| 2024 | 3         | 1                     | 19075        | 0                       | 3             | 2225              | 11.61                            | 6.53                            | 42.81                  | 13.22                          | 0.028886                        |
| 2024 | 3         | 1                     | 76895        | 0                       | 2             | 639               | 3.57                             | 0.32                            | 52.61                  | 33.63                          | 0.078842                        |
| 2024 | 3         | 1                     | 54398        | 0                       | 3             | 941               | 3.49                             | 3.28                            | 64.54                  | 16.07                          | 0.068639                        |
| 2024 | 3         | 1                     | 5411         | 0                       | 3             | 2006              | 17.79                            | 6.49                            | 32.57                  | 8.77                           | 0.027885                        |
| 2024 | 3         | 1                     | 25120        | 0                       | 2             | 87                | 0.67                             | 0.52                            | 52.36                  | 35.55                          | 0.022067                        |
| 2024 | 3         | 1                     | 15537        | 0                       | 3             | 1734              | 21.07                            | 7.21                            | 37.97                  | 11.02                          | 0.024352                        |
| 2024 | 3         | 1                     | 11001        | 1100118                 | 2             | 6021              | 3.01                             | 0.38                            | 37.63                  | 24.17                          | 0.068278                        |
| 2024 | 3         | 1                     | 41013        | 0                       | 3             | 2851              | 22.08                            | 6.14                            | 45.57                  | 12.45                          | 0.053095                        |
| 2024 | 3         | 1                     | 66682        | 0                       | 2             | 781               | 1.85                             | 0.30                            | 56.24                  | 34.10                          | 0.059369                        |
| 2024 | 3         | 1                     | 54810        | 0                       | 2             | 397               | 0.64                             | 0.30                            | 63.10                  | 45.37                          | 0.017327                        |
| 2024 | 3         | 1                     | 52411        | 0                       | 3             | 1152              | 13.06                            | 3.90                            | 41.60                  | 14.10                          | 0.026315                        |
| 2024 | 3         | 1                     | 8436         | 0                       | 3             | 3075              | 10.61                            | 5.03                            | 37.77                  | 11.77                          | 0.064851                        |
| 2024 | 3         | 1                     | 66572        | 0                       | 3             | 2252              | 25.09                            | 5.75                            | 50.52                  | 11.85                          | 0.037048                        |
| 2024 | 3         | 1                     | 5125         | 0                       | 3             | 1595              | 4.88                             | 4.93                            | 32.39                  | 11.54                          | 0.051154                        |
| 2024 | 3         | 1                     | 25592        | 0                       | 3             | 3116              | 17.95                            | 4.23                            | 31.34                  | 12.90                          | 0.033053                        |
| 2024 | 3         | 1                     | 50001        | 0                       | 2             | 14357             | 3.77                             | 1.03                            | 38.48                  | 27.97                          | 0.049590                        |
| 2024 | 3         | 1                     | 50001        | 5000103                 | 2             | 957               | 4.70                             | 1.12                            | 36.50                  | 27.05                          | 0.040187                        |
| 2024 | 3         | 1                     | 86219        | 0                       | 3             | 1506              | 18.62                            | 4.30                            | 39.43                  | 12.52                          | 0.026144                        |
| 2024 | 3         | 1                     | 15686        | 0                       | 3             | 2185              | 19.57                            | 5.81                            | 34.78                  | 12.48                          | 0.026935                        |
| 2024 | 3         | 1                     | 5376         | 0                       | 2             | 881               | 1.78                             | 0.33                            | 52.31                  | 31.97                          | 0.055815                        |
| 2024 | 3         | 1                     | 17272        | 0                       | 3             | 2528              | 12.07                            | 5.72                            | 47.42                  | 11.05                          | 0.035059                        |
| 2024 | 3         | 1                     | 66170        | 0                       | 2             | 3635              | 2.94                             | 0.34                            | 54.93                  | 25.50                          | 0.071329                        |
| 2024 | 3         | 1                     | 18247        | 0                       | 3             | 3397              | 12.50                            | 10.05                           | 43.25                  | 11.54                          | 0.030615                        |
| 2024 | 3         | 1                     | 52490        | 0                       | 3             | 1565              | 11.71                            | 4.93                            | 44.27                  | 12.64                          | 0.027683                        |
| 2024 | 3         | 1                     | 13001        | 0                       | 2             | 9166              | 3.69                             | 0.32                            | 51.08                  | 26.94                          | 0.063755                        |
| 2024 | 3         | 1                     | 13001        | 1300103                 | 2             | 2597              | 3.53                             | 0.32                            | 50.83                  | 29.93                          | 0.062434                        |
| 2024 | 3         | 1                     | 73001        | 7300112                 | 2             | 292               | 1.93                             | 0.36                            | 42.26                  | 36.20                          | 0.068211                        |
| 2024 | 3         | 1                     | 18410        | 0                       | 3             | 2331              | 5.96                             | 5.55                            | 51.41                  | 17.05                          | 0.056282                        |
| 2024 | 3         | 1                     | 68211        | 0                       | 3             | 1215              | 42.11                            | 9.33                            | 37.49                  | 9.94                           | 0.021656                        |
| 2024 | 3         | 1                     | 11001        | 1100113                 | 2             | 8401              | 5.48                             | 0.38                            | 36.37                  | 16.65                          | 0.085225                        |
| 2024 | 3         | 1                     | 15518        | 0                       | 3             | 1394              | 6.30                             | 3.72                            | 50.29                  | 15.08                          | 0.053833                        |
| 2024 | 3         | 1                     | 5154         | 0                       | 2             | 704               | 2.42                             | 0.32                            | 58.10                  | 33.60                          | 0.052950                        |
| 2024 | 3         | 1                     | 19212        | 0                       | 3             | 3532              | 8.89                             | 6.70                            | 50.21                  | 13.35                          | 0.034530                        |
| 2024 | 3         | 1                     | 5129         | 0                       | 2             | 1126              | 2.05                             | 0.33                            | 52.72                  | 32.35                          | 0.045070                        |
| 2024 | 3         | 1                     | 76520        | 0                       | 2             | 4965              | 3.63                             | 0.33                            | 52.29                  | 25.43                          | 0.059793                        |
| 2024 | 3         | 1                     | 52256        | 0                       | 3             | 1014              | 25.45                            | 6.39                            | 39.92                  | 13.33                          | 0.034413                        |
| 2024 | 3         | 1                     | 54820        | 0                       | 3             | 3720              | 7.92                             | 3.89                            | 45.92                  | 14.15                          | 0.043538                        |
| 2024 | 3         | 1                     | 41530        | 0                       | 3             | 1512              | 9.59                             | 3.24                            | 43.45                  | 15.08                          | 0.047794                        |
| 2024 | 3         | 1                     | 76001        | 7600114                 | 2             | 909               | 2.33                             | 0.33                            | 51.86                  | 29.43                          | 0.047957                        |
| 2024 | 3         | 1                     | 5842         | 0                       | 3             | 1186              | 7.16                             | 4.12                            | 45.89                  | 12.77                          | 0.041388                        |
| 2024 | 3         | 1                     | 11001        | 1100111                 | 2             | 17475             | 4.30                             | 0.37                            | 37.78                  | 20.71                          | 0.074194                        |
| 2024 | 3         | 1                     | 8001         | 0800103                 | 2             | 2105              | 4.03                             | 0.35                            | 43.02                  | 23.25                          | 0.065939                        |
| 2024 | 3         | 1                     | 70001        | 0                       | 2             | 1707              | 2.27                             | 0.34                            | 48.98                  | 29.24                          | 0.051737                        |
| 2024 | 3         | 1                     | 19001        | 0                       | 2             | 3894              | 2.42                             | 0.32                            | 52.99                  | 31.19                          | 0.058710                        |
| 2024 | 3         | 1                     | 70204        | 0                       | 3             | 812               | 17.87                            | 6.49                            | 81.26                  | 12.12                          | 0.039318                        |
| 2024 | 3         | 1                     | 47258        | 0                       | 3             | 2375              | 18.67                            | 11.61                           | 34.92                  | 10.14                          | 0.049719                        |
| 2024 | 3         | 1                     | 13654        | 0                       | 3             | 2351              | 2.47                             | 7.74                            | 41.47                  | 11.95                          | 0.078204                        |
| 2024 | 3         | 1                     | 25871        | 0                       | 3             | 627               | 21.70                            | 4.39                            | 34.73                  | 12.09                          | 0.038845                        |
| 2024 | 3         | 1                     | 5665         | 0                       | 3             | 5224              | 8.36                             | 7.00                            | 46.87                  | 11.65                          | 0.038327                        |
| 2024 | 3         | 1                     | 5667         | 0                       | 2             | 103               | 1.42                             | 0.58                            | 58.21                  | 41.99                          | 0.044667                        |
| 2024 | 3         | 1                     | 25653        | 0                       | 3             | 1008              | 24.75                            | 7.66                            | 36.82                  | 14.30                          | 0.025607                        |
| 2024 | 3         | 1                     | 23350        | 0                       | 3             | 3310              | 17.57                            | 12.15                           | 42.20                  | 10.16                          | 0.022626                        |
| 2024 | 3         | 1                     | 25290        | 0                       | 2             | 2948              | 2.91                             | 1.04                            | 39.61                  | 32.38                          | 0.047308                        |
| 2024 | 3         | 1                     | 52540        | 0                       | 3             | 1243              | 2.78                             | 4.60                            | 60.84                  | 16.60                          | 0.040735                        |
| 2024 | 3         | 1                     | 54344        | 0                       | 3             | 1057              | 6.21                             | 7.07                            | 43.05                  | 11.45                          | 0.033930                        |
| 2024 | 3         | 1                     | 19785        | 0                       | 3             | 639               | 9.78                             | 4.66                            | 46.15                  | 11.57                          | 0.035762                        |
| 2024 | 3         | 1                     | 73001        | 7300109                 | 2             | 1360              | 3.16                             | 0.34                            | 41.75                  | 27.84                          | 0.063684                        |
| 2024 | 3         | 1                     | 5001         | 0500109                 | 2             | 1687              | 3.69                             | 0.35                            | 44.29                  | 23.86                          | 0.064418                        |
| 2024 | 3         | 1                     | 19022        | 0                       | 3             | 1292              | 22.15                            | 7.06                            | 46.56                  | 13.15                          | 0.031977                        |
| 2024 | 3         | 1                     | 52427        | 0                       | 3             | 1174              | 3.13                             | 4.68                            | 240.07                 | 19.92                          | 0.074139                        |
| 2024 | 3         | 1                     | 70221        | 0                       | 2             | 409               | 2.81                             | 0.29                            | 52.82                  | 32.77                          | 0.042413                        |
| 2024 | 3         | 1                     | 20001        | 2000102                 | 2             | 847               | 3.67                             | 0.34                            | 54.07                  | 23.67                          | 0.068526                        |
| 2024 | 3         | 1                     | 52585        | 0                       | 3             | 2289              | 26.71                            | 7.10                            | 41.02                  | 13.12                          | 0.032667                        |
| 2024 | 3         | 1                     | 41206        | 0                       | 3             | 1412              | 19.88                            | 8.28                            | 36.53                  | 11.45                          | 0.028100                        |
| 2024 | 3         | 1                     | 5483         | 0                       | 3             | 1451              | 17.41                            | 3.76                            | 45.96                  | 13.84                          | 0.027725                        |
| 2024 | 3         | 1                     | 25339        | 0                       | 3             | 1269              | 9.95                             | 8.24                            | 36.37                  | 10.95                          | 0.039973                        |
| 2024 | 3         | 1                     | 73236        | 0                       | 3             | 1468              | 26.10                            | 9.84                            | 36.67                  | 13.07                          | 0.031351                        |
| 2024 | 3         | 1                     | 68418        | 0                       | 3             | 3533              | 12.10                            | 4.96                            | 41.36                  | 14.12                          | 0.030261                        |
| 2024 | 3         | 1                     | 25754        | 0                       | 2             | 8967              | 3.36                             | 0.37                            | 38.85                  | 26.19                          | 0.067832                        |
| 2024 | 3         | 1                     | 66456        | 0                       | 3             | 2918              | 8.03                             | 4.95                            | 38.07                  | 11.41                          | 0.033527                        |
| 2024 | 3         | 1                     | 68872        | 0                       | 3             | 1380              | 6.31                             | 1.97                            | 46.41                  | 13.02                          | 0.022531                        |
| 2024 | 3         | 1                     | 68368        | 0                       | 3             | 928               | 28.00                            | 9.98                            | 36.02                  | 12.83                          | 0.023492                        |
| 2024 | 3         | 1                     | 13838        | 0                       | 3             | 3284              | 9.43                             | 3.42                            | 35.65                  | 14.60                          | 0.047557                        |
| 2024 | 3         | 1                     | 44847        | 0                       | 2             | 315               | 1.50                             | 0.69                            | 59.45                  | 40.82                          | 0.056140                        |
| 2024 | 3         | 1                     | 68682        | 0                       | 3             | 503               | 18.64                            | 4.76                            | 35.43                  | 10.17                          | 0.020499                        |
| 2024 | 3         | 1                     | 5364         | 0                       | 2             | 136               | 1.06                             | 0.27                            | 72.73                  | 41.68                          | 0.042269                        |
| 2024 | 3         | 1                     | 19100        | 0                       | 3             | 1797              | 13.81                            | 3.73                            | 42.06                  | 14.82                          | 0.033896                        |
| 2024 | 3         | 1                     | 5001         | 0500116                 | 2             | 2928              | 4.41                             | 0.33                            | 45.02                  | 21.75                          | 0.061999                        |
| 2024 | 3         | 1                     | 15244        | 0                       | 3             | 1355              | 24.39                            | 4.69                            | 41.04                  | 10.97                          | 0.028363                        |
| 2024 | 3         | 1                     | 23675        | 0                       | 3             | 3267              | 14.53                            | 7.13                            | 46.97                  | 16.35                          | 0.028474                        |
| 2024 | 3         | 1                     | 23586        | 0                       | 3             | 1926              | 6.59                             | 7.46                            | 45.32                  | 13.04                          | 0.046780                        |
| 2024 | 3         | 1                     | 73168        | 0                       | 3             | 11526             | 8.23                             | 6.43                            | 37.33                  | 13.88                          | 0.035640                        |
| 2024 | 3         | 1                     | 8549         | 0                       | 3             | 1599              | 33.72                            | 9.63                            | 47.10                  | 12.68                          | 0.026280                        |
| 2024 | 3         | 1                     | 73555        | 0                       | 3             | 3204              | 9.05                             | 7.87                            | 60.31                  | 16.82                          | 0.056275                        |
| 2024 | 3         | 1                     | 50568        | 0                       | 2             | 882               | 1.97                             | 0.66                            | 53.85                  | 50.50                          | 0.041442                        |
| 2024 | 3         | 1                     | 8758         | 0875801                 | 2             | 907               | 3.40                             | 0.35                            | 44.65                  | 24.46                          | 0.055319                        |
| 2024 | 3         | 1                     | 25224        | 0                       | 3             | 4512              | 7.24                             | 3.54                            | 35.00                  | 18.01                          | 0.031023                        |
| 2024 | 3         | 1                     | 41676        | 0                       | 3             | 2437              | 11.70                            | 5.73                            | 36.59                  | 11.54                          | 0.049514                        |
| 2024 | 3         | 1                     | 19760        | 0                       | 3             | 1340              | 13.85                            | 4.50                            | 41.07                  | 14.93                          | 0.040139                        |
| 2024 | 3         | 1                     | 27245        | 0                       | 2             | 202               | 1.85                             | 0.30                            | 62.38                  | 32.37                          | 0.063817                        |
| 2024 | 3         | 1                     | 41357        | 0                       | 3             | 2031              | 9.26                             | 6.28                            | 49.48                  | 12.87                          | 0.044298                        |
| 2024 | 3         | 1                     | 25867        | 0                       | 3             | 2482              | 21.25                            | 6.01                            | 30.62                  | 12.05                          | 0.030855                        |
| 2024 | 3         | 1                     | 18860        | 0                       | 3             | 1877              | 12.48                            | 5.11                            | 51.87                  | 15.97                          | 0.035979                        |
| 2024 | 3         | 1                     | 15464        | 0                       | 3             | 832               | 15.69                            | 5.71                            | 33.73                  | 10.12                          | 0.021412                        |
| 2024 | 3         | 1                     | 76001        | 7600120                 | 2             | 337               | 2.88                             | 0.32                            | 50.36                  | 24.17                          | 0.062321                        |
| 2024 | 3         | 1                     | 86760        | 0                       | 3             | 1729              | 18.21                            | 4.47                            | 43.51                  | 14.00                          | 0.030213                        |
| 2024 | 3         | 1                     | 15180        | 0                       | 3             | 978               | 10.22                            | 9.48                            | 40.38                  | 9.76                           | 0.036431                        |
| 2024 | 3         | 1                     | 25754        | 2575403                 | 2             | 3088              | 3.43                             | 0.36                            | 39.06                  | 25.13                          | 0.071357                        |
| 2024 | 3         | 1                     | 68377        | 0                       | 3             | 848               | 15.03                            | 3.16                            | 39.93                  | 15.56                          | 0.035021                        |
| 2024 | 3         | 1                     | 15380        | 0                       | 3             | 1297              | 17.11                            | 5.66                            | 41.81                  | 13.37                          | 0.039557                        |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIM<br>ESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COM<br>UNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD<br>_DESCARGA | INDICADOR_VELOCID<br>AD_CARGA | INDICADOR_LATE<br>NCIA | INDICADOR_FLUCTU<br>ACION_FASE | INDICADOR_TASA_PERDIDA<br>_PAQU |
|------|-----------|-----------------------|--------------|-------------------------|---------------|-------------------|----------------------------------|-------------------------------|------------------------|--------------------------------|---------------------------------|
| 2024 | 3         | 1                     | 15212        | 0                       | 3             | 579               | 16.02                            | 5.70                          | 34.82                  | 8.91                           | 0.027099                        |
| 2024 | 3         | 1                     | 47541        | 0                       | 3             | 1191              | 21.17                            | 7.59                          | 37.42                  | 13.85                          | 0.056355                        |
| 2024 | 3         | 1                     | 15226        | 0                       | 3             | 872               | 16.12                            | 3.53                          | 38.57                  | 13.54                          | 0.037340                        |
| 2024 | 3         | 1                     | 73283        | 0                       | 3             | 5733              | 5.71                             | 3.50                          | 37.34                  | 17.14                          | 0.039751                        |
| 2024 | 3         | 1                     | 17442        | 0                       | 3             | 3425              | 7.30                             | 4.64                          | 54.84                  | 14.53                          | 0.033139                        |
| 2024 | 3         | 1                     | 25488        | 0                       | 2             | 914               | 2.73                             | 0.83                          | 40.36                  | 28.71                          | 0.041778                        |
| 2024 | 3         | 1                     | 41001        | 0                       | 2             | 4710              | 3.52                             | 0.34                          | 46.85                  | 25.44                          | 0.057517                        |
| 2024 | 3         | 1                     | 11001        | 1100101                 | 2             | 13778             | 4.69                             | 0.38                          | 37.26                  | 19.62                          | 0.075841                        |
| 2024 | 3         | 1                     | 76890        | 0                       | 2             | 332               | 2.87                             | 0.31                          | 55.72                  | 34.92                          | 0.034922                        |
| 2024 | 3         | 1                     | 50606        | 0                       | 2             | 609               | 2.06                             | 0.73                          | 49.26                  | 36.63                          | 0.066323                        |
| 2024 | 3         | 1                     | 15407        | 0                       | 2             | 367               | 3.19                             | 0.95                          | 39.91                  | 32.03                          | 0.053201                        |
| 2024 | 3         | 1                     | 13430        | 0                       | 2             | 364               | 1.78                             | 0.32                          | 61.52                  | 43.06                          | 0.068030                        |
| 2024 | 3         | 1                     | 25875        | 0                       | 2             | 827               | 1.50                             | 1.01                          | 38.84                  | 42.65                          | 0.049962                        |
| 2024 | 3         | 1                     | 52687        | 0                       | 3             | 1788              | 10.77                            | 4.53                          | 47.32                  | 12.90                          | 0.043374                        |
| 2024 | 3         | 1                     | 20001        | 2000101                 | 2             | 709               | 2.72                             | 0.35                          | 54.18                  | 29.21                          | 0.071641                        |
| 2024 | 3         | 1                     | 52083        | 0                       | 3             | 1129              | 35.97                            | 6.09                          | 40.67                  | 11.41                          | 0.029223                        |
| 2024 | 3         | 1                     | 5652         | 0                       | 3             | 1736              | 13.42                            | 4.08                          | 46.62                  | 12.11                          | 0.030844                        |
| 2024 | 3         | 1                     | 73268        | 0                       | 2             | 678               | 2.41                             | 0.36                          | 45.88                  | 30.03                          | 0.067396                        |
| 2024 | 3         | 1                     | 68689        | 0                       | 2             | 81                | 1.06                             | 0.27                          | 58.59                  | 47.19                          | 0.052202                        |
| 2024 | 3         | 1                     | 25148        | 0                       | 2             | 257               | 2.07                             | 0.68                          | 42.52                  | 44.26                          | 0.034527                        |
| 2024 | 3         | 1                     | 17616        | 0                       | 2             | 70                | 1.01                             | 0.30                          | 59.00                  | 39.16                          | 0.041467                        |
| 2024 | 3         | 1                     | 5079         | 0                       | 2             | 499               | 1.44                             | 0.30                          | 54.20                  | 41.26                          | 0.051986                        |
| 2024 | 3         | 1                     | 47980        | 0                       | 2             | 326               | 1.14                             | 0.29                          | 60.08                  | 48.46                          | 0.052236                        |
| 2024 | 3         | 1                     | 15162        | 0                       | 3             | 2059              | 20.73                            | 10.33                         | 32.38                  | 7.73                           | 0.021033                        |
| 2024 | 3         | 1                     | 20770        | 0                       | 2             | 179               | 2.48                             | 0.46                          | 62.19                  | 42.65                          | 0.045426                        |
| 2024 | 3         | 1                     | 66594        | 0                       | 2             | 271               | 1.30                             | 0.33                          | 63.51                  | 33.21                          | 0.052961                        |
| 2024 | 3         | 1                     | 15511        | 0                       | 3             | 963               | 18.66                            | 3.29                          | 37.22                  | 13.87                          | 0.036131                        |
| 2024 | 3         | 1                     | 85230        | 0                       | 3             | 5156              | 8.01                             | 4.01                          | 57.44                  | 15.37                          | 0.048829                        |
| 2024 | 3         | 1                     | 5607         | 0                       | 2             | 909               | 1.71                             | 0.30                          | 54.63                  | 33.67                          | 0.060669                        |
| 2024 | 3         | 1                     | 5890         | 0                       | 2             | 173               | 0.90                             | 0.27                          | 52.45                  | 38.94                          | 0.023345                        |
| 2024 | 3         | 1                     | 63401        | 0                       | 2             | 493               | 2.75                             | 0.28                          | 54.69                  | 26.14                          | 0.061957                        |
| 2024 | 3         | 1                     | 5686         | 0                       | 2             | 436               | 1.55                             | 0.31                          | 47.67                  | 34.44                          | 0.040372                        |
| 2024 | 3         | 1                     | 5036         | 0                       | 3             | 1296              | 9.86                             | 6.40                          | 34.27                  | 10.97                          | 0.042205                        |
| 2024 | 3         | 1                     | 15176        | 0                       | 2             | 741               | 2.18                             | 1.08                          | 40.88                  | 28.88                          | 0.059545                        |
| 2024 | 3         | 1                     | 25120        | 0                       | 3             | 1738              | 13.86                            | 3.83                          | 34.10                  | 12.93                          | 0.028088                        |
| 2024 | 3         | 1                     | 15087        | 0                       | 2             | 133               | 0.79                             | 0.63                          | 58.77                  | 68.08                          | 0.035797                        |
| 2024 | 3         | 1                     | 52215        | 0                       | 3             | 1725              | 10.38                            | 3.94                          | 42.67                  | 15.58                          | 0.027333                        |
| 2024 | 3         | 1                     | 25299        | 0                       | 3             | 1270              | 10.54                            | 5.15                          | 34.20                  | 12.48                          | 0.027988                        |
| 2024 | 3         | 1                     | 15368        | 0                       | 3             | 701               | 22.71                            | 10.00                         | 36.02                  | 9.76                           | 0.024839                        |
| 2024 | 3         | 1                     | 85001        | 0                       | 2             | 4678              | 2.64                             | 0.40                          | 45.77                  | 34.09                          | 0.058531                        |
| 2024 | 3         | 1                     | 25845        | 0                       | 3             | 2040              | 6.55                             | 2.73                          | 35.61                  | 21.96                          | 0.036938                        |
| 2024 | 3         | 1                     | 52835        | 0                       | 2             | 659               | 1.79                             | 0.29                          | 63.42                  | 37.39                          | 0.067301                        |
| 2024 | 3         | 1                     | 85263        | 0                       | 3             | 4020              | 12.08                            | 4.52                          | 40.79                  | 14.09                          | 0.034639                        |
| 2024 | 3         | 1                     | 27491        | 0                       | 3             | 1028              | 12.44                            | 4.75                          | 40.16                  | 12.09                          | 0.028384                        |
| 2024 | 3         | 1                     | 66045        | 0                       | 3             | 2601              | 12.61                            | 3.54                          | 41.07                  | 13.12                          | 0.032338                        |
| 2024 | 3         | 1                     | 73547        | 0                       | 3             | 1305              | 23.23                            | 4.29                          | 33.49                  | 13.08                          | 0.034532                        |
| 2024 | 3         | 1                     | 23090        | 0                       | 3             | 1868              | 10.30                            | 9.29                          | 62.22                  | 18.32                          | 0.028316                        |
| 2024 | 3         | 1                     | 54377        | 0                       | 3             | 1191              | 12.01                            | 5.07                          | 41.22                  | 15.78                          | 0.031236                        |
| 2024 | 3         | 1                     | 11001        | 1100105                 | 2             | 5438              | 2.11                             | 0.37                          | 41.64                  | 29.67                          | 0.054839                        |
| 2024 | 3         | 1                     | 68895        | 0                       | 2             | 145               | 2.04                             | 0.54                          | 46.45                  | 33.09                          | 0.042130                        |
| 2024 | 3         | 1                     | 47001        | 0                       | 2             | 5423              | 2.76                             | 0.33                          | 49.30                  | 26.82                          | 0.054472                        |
| 2024 | 3         | 1                     | 47001        | 4700102                 | 2             | 1499              | 2.84                             | 0.33                          | 47.21                  | 22.09                          | 0.062471                        |
| 2024 | 3         | 1                     | 15580        | 0                       | 3             | 1175              | 9.76                             | 5.27                          | 46.41                  | 14.45                          | 0.038588                        |
| 2024 | 3         | 1                     | 15837        | 0                       | 3             | 5061              | 11.38                            | 7.28                          | 37.42                  | 12.34                          | 0.040257                        |
| 2024 | 3         | 1                     | 5001         | 0500110                 | 2             | 6356              | 3.87                             | 0.35                          | 45.18                  | 25.03                          | 0.069938                        |
| 2024 | 3         | 1                     | 76497        | 0                       | 3             | 1661              | 24.37                            | 7.69                          | 44.19                  | 13.54                          | 0.027282                        |
| 2024 | 3         | 1                     | 25126        | 0                       | 2             | 2167              | 2.96                             | 0.38                          | 39.96                  | 27.27                          | 0.077616                        |
| 2024 | 3         | 1                     | 17524        | 0                       | 2             | 306               | 2.74                             | 0.70                          | 52.83                  | 26.65                          | 0.033358                        |
| 2024 | 3         | 1                     | 23001        | 0                       | 2             | 5698              | 2.93                             | 0.37                          | 54.93                  | 26.16                          | 0.061053                        |
| 2024 | 3         | 1                     | 23001        | 2300102                 | 2             | 217               | 2.26                             | 0.40                          | 50.44                  | 22.81                          | 0.050949                        |
| 2024 | 3         | 1                     | 5234         | 0                       | 2             | 112               | 0.65                             | 0.31                          | 62.18                  | 47.83                          | 0.026167                        |
| 2024 | 3         | 1                     | 5885         | 0                       | 3             | 2043              | 16.96                            | 4.22                          | 34.45                  | 14.84                          | 0.032286                        |
| 2024 | 3         | 1                     | 5318         | 0                       | 2             | 863               | 1.59                             | 0.32                          | 51.82                  | 36.07                          | 0.057461                        |
| 2024 | 3         | 1                     | 76111        | 0                       | 2             | 1072              | 3.85                             | 0.31                          | 51.42                  | 29.07                          | 0.048033                        |
| 2024 | 3         | 1                     | 68669        | 0                       | 3             | 795               | 25.67                            | 4.21                          | 39.56                  | 13.34                          | 0.031245                        |
| 2024 | 3         | 1                     | 44430        | 0                       | 2             | 335               | 1.94                             | 0.33                          | 58.08                  | 37.61                          | 0.057279                        |
| 2024 | 3         | 1                     | 73001        | 7300106                 | 2             | 433               | 3.80                             | 0.36                          | 41.23                  | 25.73                          | 0.077752                        |
| 2024 | 3         | 1                     | 13001        | 1300102                 | 2             | 1483              | 2.96                             | 0.33                          | 51.84                  | 32.03                          | 0.055786                        |
| 2024 | 3         | 1                     | 5002         | 0                       | 2             | 137               | 1.02                             | 0.28                          | 58.10                  | 38.75                          | 0.057970                        |
| 2024 | 3         | 1                     | 5001         | 0500101                 | 2             | 510               | 1.98                             | 0.32                          | 47.89                  | 29.73                          | 0.054198                        |
| 2024 | 3         | 1                     | 20032        | 0                       | 3             | 3643              | 25.66                            | 6.77                          | 38.57                  | 11.15                          | 0.044087                        |
| 2024 | 3         | 1                     | 76248        | 0                       | 2             | 933               | 2.48                             | 0.34                          | 52.32                  | 26.43                          | 0.057408                        |
| 2024 | 3         | 1                     | 13030        | 0                       | 3             | 1238              | 17.40                            | 5.03                          | 44.66                  | 12.19                          | 0.044073                        |
| 2024 | 3         | 1                     | 76001        | 7600105                 | 2             | 1567              | 4.48                             | 0.34                          | 51.04                  | 20.28                          | 0.065941                        |
| 2024 | 3         | 1                     | 15814        | 0                       | 2             | 145               | 1.30                             | 0.95                          | 56.89                  | 43.50                          | 0.033375                        |
| 2024 | 3         | 1                     | 13001        | 1300101                 | 2             | 4146              | 4.18                             | 0.33                          | 50.52                  | 23.58                          | 0.065967                        |
| 2024 | 3         | 1                     | 25430        | 0                       | 2             | 3043              | 2.96                             | 0.36                          | 40.06                  | 31.52                          | 0.066381                        |
| 2024 | 3         | 1                     | 5631         | 0                       | 2             | 2061              | 3.81                             | 0.35                          | 48.04                  | 24.56                          | 0.075423                        |
| 2024 | 3         | 1                     | 17495        | 0                       | 3             | 2434              | 8.75                             | 2.82                          | 60.05                  | 13.26                          | 0.040988                        |
| 2024 | 3         | 1                     | 73001        | 7300108                 | 2             | 908               | 2.59                             | 0.34                          | 42.47                  | 31.13                          | 0.063835                        |
| 2024 | 3         | 1                     | 25518        | 0                       | 3             | 1420              | 28.03                            | 6.53                          | 31.39                  | 11.38                          | 0.029841                        |
| 2024 | 3         | 1                     | 41349        | 0                       | 2             | 89                | 1.35                             | 0.51                          | 59.78                  | 38.87                          | 0.048161                        |
| 2024 | 3         | 1                     | 47960        | 0                       | 3             | 562               | 29.62                            | 12.08                         | 44.45                  | 11.19                          | 0.066371                        |
| 2024 | 3         | 1                     | 5001         | 0500114                 | 2             | 4562              | 5.19                             | 0.35                          | 45.56                  | 19.06                          | 0.065867                        |
| 2024 | 3         | 1                     | 17662        | 0                       | 2             | 378               | 1.81                             | 0.30                          | 68.68                  | 31.34                          | 0.066400                        |
| 2024 | 3         | 1                     | 68524        | 0                       | 3             | 1058              | 18.14                            | 6.00                          | 32.07                  | 8.96                           | 0.027724                        |
| 2024 | 3         | 1                     | 5001         | 0500105                 | 2             | 2175              | 2.70                             | 0.33                          | 47.99                  | 33.02                          | 0.052368                        |
| 2024 | 3         | 1                     | 76243        | 0                       | 3             | 1245              | 17.81                            | 5.69                          | 40.01                  | 12.72                          | 0.025105                        |
| 2024 | 3         | 1                     | 19130        | 0                       | 2             | 66                | 1.58                             | 0.33                          | 56.61                  | 52.71                          | 0.045575                        |
| 2024 | 3         | 1                     | 5315         | 0                       | 3             | 701               | 27.32                            | 8.14                          | 34.44                  | 9.14                           | 0.025284                        |
| 2024 | 3         | 1                     | 68773        | 0                       | 3             | 1103              | 10.72                            | 5.17                          | 39.48                  | 11.81                          | 0.032485                        |
| 2024 | 3         | 1                     | 25183        | 0                       | 2             | 269               | 1.43                             | 0.71                          | 47.47                  | 42.91                          | 0.053796                        |
| 2024 | 3         | 1                     | 70124        | 0                       | 3             | 1168              | 7.52                             | 3.75                          | 59.48                  | 16.65                          | 0.051561                        |
| 2024 | 3         | 1                     | 70771        | 0                       | 3             | 1695              | 14.35                            | 6.65                          | 45.32                  | 13.60                          | 0.055038                        |
| 2024 | 3         | 1                     | 15755        | 0                       | 3             | 2396              | 9.61                             | 6.20                          | 37.89                  | 13.19                          | 0.025285                        |
| 2024 | 3         | 1                     | 63212        | 0                       | 3             | 1485              | 17.97                            | 6.84                          | 43.33                  | 18.10                          | 0.030706                        |
| 2024 | 3         | 1                     | 76001        | 7600110                 | 2             | 1378              | 4.86                             | 0.35                          | 50.69                  | 19.99                          | 0.069487                        |
| 2024 | 3         | 1                     | 8758         | 0875802                 | 2             | 843               | 3.17                             | 0.34                          | 45.47                  | 28.57                          | 0.047350                        |
| 2024 | 3         | 1                     | 68320        | 0                       | 3             | 529               | 1.77                             | 1.76                          | 40.82                  | 18.20                          | 0.035240                        |
| 2024 | 3         | 1                     | 19397        | 0                       | 3             | 1991              | 19.99                            | 4.81                          | 38.09                  | 13.22                          | 0.034934                        |
| 2024 | 3         | 1                     | 68001        | 6800117                 | 3             | 9656              | 15.29                            | 9.07                          | 38.50                  | 12.43                          | 0.025824                        |
| 2024 | 3         | 1                     | 15183        | 0                       | 3             | 1119              | 17.35                            | 4.56                          | 39.07                  | 13.02                          | 0.030740                        |
| 2024 | 3         | 1                     | 63190        | 0                       | 2             | 322               | 3.13                             | 0.30                          | 55.87                  | 27.87                          | 0.048418                        |
| 2024 | 3         | 1                     | 15759        | 0                       | 2             | 2377              | 2.03                             | 1.01                          | 46.58                  | 32.65                          | 0.044886                        |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIMESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COMUNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD_DESCARGA | INDICADOR_VELOCIDAD_AD_CARGA | INDICADOR_LATENCIA | INDICADOR_FLUCTUACION_FASE | INDICADOR_TASA_PERDIDA_PAQUETES |
|------|-----------|-------------------|--------------|---------------------|---------------|-------------------|------------------------------|------------------------------|--------------------|----------------------------|---------------------------------|
| 2024 | 3         | 1                 | 25269        | 0                   | 2             | 2074              | 2.45                         | 0.41                         | 42.86              | 30.11                      | 0.058598                        |
| 2024 | 3         | 1                 | 15047        | 0                   | 3             | 3735              | 7.55                         | 9.10                         | 34.89              | 11.55                      | 0.022760                        |
| 2024 | 3         | 1                 | 54001        | 0                   | 2             | 6708              | 2.86                         | 0.37                         | 46.24              | 29.29                      | 0.063935                        |
| 2024 | 3         | 1                 | 54001        | 5400106             | 2             | 705               | 2.74                         | 0.39                         | 46.31              | 23.21                      | 0.072935                        |
| 2024 | 3         | 1                 | 5138         | 0                   | 2             | 142               | 1.38                         | 0.33                         | 56.48              | 36.41                      | 0.042043                        |
| 2024 | 3         | 1                 | 68684        | 0                   | 3             | 949               | 8.38                         | 2.92                         | 41.07              | 17.83                      | 0.035279                        |
| 2024 | 3         | 1                 | 27580        | 0                   | 3             | 538               | 23.44                        | 12.42                        | 47.34              | 12.26                      | 0.021165                        |
| 2024 | 3         | 1                 | 54245        | 0                   | 3             | 750               | 2.55                         | 2.07                         | 53.76              | 17.51                      | 0.070294                        |
| 2024 | 3         | 1                 | 19050        | 0                   | 3             | 1809              | 14.03                        | 3.53                         | 42.79              | 18.19                      | 0.034334                        |
| 2024 | 3         | 1                 | 52378        | 0                   | 3             | 2111              | 18.53                        | 3.26                         | 42.37              | 13.42                      | 0.033914                        |
| 2024 | 3         | 1                 | 13836        | 0                   | 2             | 1023              | 2.02                         | 0.31                         | 53.31              | 36.45                      | 0.060006                        |
| 2024 | 3         | 1                 | 54874        | 0                   | 2             | 601               | 1.88                         | 0.39                         | 45.27              | 33.17                      | 0.053738                        |
| 2024 | 3         | 1                 | 54250        | 0                   | 3             | 2397              | 3.41                         | 2.37                         | 52.07              | 19.18                      | 0.033269                        |
| 2024 | 3         | 1                 | 54398        | 0                   | 2             | 50                | 0.41                         | 1.06                         | 56.25              | 53.43                      | 0.027386                        |
| 2024 | 3         | 1                 | 73226        | 0                   | 2             | 50                | 2.41                         | 0.30                         | 47.76              | 30.64                      | 0.049068                        |
| 2024 | 3         | 1                 | 76001        | 7600106             | 2             | 949               | 3.12                         | 0.33                         | 51.52              | 26.73                      | 0.045727                        |
| 2024 | 3         | 1                 | 15664        | 0                   | 3             | 1237              | 17.95                        | 4.40                         | 36.66              | 13.09                      | 0.030357                        |
| 2024 | 3         | 1                 | 41026        | 0                   | 3             | 3116              | 20.15                        | 5.98                         | 42.96              | 12.96                      | 0.045135                        |
| 2024 | 3         | 1                 | 5809         | 0                   | 2             | 252               | 1.40                         | 0.30                         | 57.91              | 35.53                      | 0.032168                        |
| 2024 | 3         | 1                 | 25754        | 2575401             | 2             | 1668              | 3.02                         | 0.40                         | 38.43              | 25.40                      | 0.061490                        |
| 2024 | 3         | 1                 | 47551        | 0                   | 2             | 138               | 1.68                         | 0.24                         | 51.92              | 38.58                      | 0.065649                        |
| 2024 | 3         | 1                 | 5895         | 0                   | 2             | 227               | 2.23                         | 0.33                         | 56.05              | 35.99                      | 0.024853                        |
| 2024 | 3         | 1                 | 25740        | 0                   | 2             | 962               | 2.39                         | 0.39                         | 43.79              | 31.76                      | 0.063488                        |
| 2024 | 3         | 1                 | 76246        | 0                   | 3             | 1392              | 17.92                        | 6.52                         | 46.50              | 12.90                      | 0.026318                        |
| 2024 | 3         | 1                 | 18094        | 0                   | 2             | 74                | 1.64                         | 0.32                         | 57.26              | 26.71                      | 0.020126                        |
| 2024 | 3         | 1                 | 5789         | 0                   | 3             | 2444              | 12.38                        | 6.01                         | 32.00              | 11.06                      | 0.029669                        |
| 2024 | 3         | 1                 | 8001         | 0800105             | 2             | 2555              | 5.44                         | 0.38                         | 41.69              | 16.81                      | 0.075373                        |
| 2024 | 3         | 1                 | 68001        | 6800110             | 2             | 443               | 4.08                         | 0.35                         | 45.64              | 29.14                      | 0.063648                        |
| 2024 | 3         | 1                 | 50287        | 0                   | 2             | 195               | 1.90                         | 0.70                         | 52.66              | 33.57                      | 0.022484                        |
| 2024 | 3         | 1                 | 47001        | 4700101             | 2             | 1896              | 2.44                         | 0.36                         | 50.69              | 30.00                      | 0.044676                        |
| 2024 | 3         | 1                 | 13657        | 0                   | 2             | 175               | 1.77                         | 0.30                         | 57.44              | 45.89                      | 0.038691                        |
| 2024 | 3         | 1                 | 5001         | 0500103             | 2             | 774               | 2.65                         | 0.33                         | 47.22              | 25.87                      | 0.057654                        |
| 2024 | 3         | 1                 | 17513        | 0                   | 2             | 65                | 1.76                         | 0.34                         | 62.06              | 25.41                      | 0.081723                        |
| 2024 | 3         | 1                 | 25473        | 0                   | 2             | 3799              | 3.53                         | 0.60                         | 36.38              | 25.46                      | 0.066754                        |
| 2024 | 3         | 1                 | 76622        | 0                   | 2             | 151               | 1.64                         | 0.32                         | 54.45              | 35.17                      | 0.034840                        |
| 2024 | 3         | 1                 | 25175        | 0                   | 2             | 4467              | 3.72                         | 0.38                         | 39.37              | 21.62                      | 0.069521                        |
| 2024 | 3         | 1                 | 50001        | 5000104             | 2             | 1576              | 3.44                         | 0.92                         | 39.96              | 27.85                      | 0.059928                        |
| 2024 | 3         | 1                 | 52678        | 0                   | 2             | 120               | 2.01                         | 0.27                         | 58.53              | 29.28                      | 0.084034                        |
| 2024 | 3         | 1                 | 50223        | 0                   | 3             | 4416              | 11.03                        | 8.09                         | 34.33              | 13.45                      | 0.030043                        |
| 2024 | 3         | 1                 | 54001        | 5400110             | 2             | 263               | 2.23                         | 0.43                         | 46.33              | 42.44                      | 0.043695                        |
| 2024 | 3         | 1                 | 41244        | 0                   | 3             | 882               | 17.29                        | 4.84                         | 40.94              | 11.86                      | 0.127093                        |
| 2024 | 3         | 1                 | 15491        | 0                   | 2             | 293               | 1.97                         | 0.92                         | 44.01              | 34.60                      | 0.043904                        |
| 2024 | 3         | 1                 | 20400        | 0                   | 2             | 378               | 2.16                         | 0.26                         | 59.07              | 34.41                      | 0.053447                        |
| 2024 | 3         | 1                 | 5649         | 0                   | 2             | 84                | 1.79                         | 0.58                         | 56.85              | 43.56                      | 0.040654                        |
| 2024 | 3         | 1                 | 68211        | 0                   | 2             | 44                | 1.15                         | 0.39                         | 59.15              | 26.84                      | 0.070958                        |
| 2024 | 3         | 1                 | 68271        | 0                   | 3             | 1145              | 19.86                        | 5.07                         | 36.02              | 11.08                      | 0.027964                        |
| 2024 | 3         | 1                 | 18256        | 0                   | 3             | 1567              | 13.26                        | 5.63                         | 37.65              | 15.09                      | 0.030418                        |
| 2024 | 3         | 1                 | 19698        | 0                   | 2             | 885               | 1.75                         | 0.31                         | 55.47              | 33.25                      | 0.051348                        |
| 2024 | 3         | 1                 | 81001        | 0                   | 2             | 553               | 2.33                         | 0.61                         | 51.18              | 48.10                      | 0.023304                        |
| 2024 | 3         | 1                 | 52885        | 0                   | 3             | 2080              | 19.30                        | 2.85                         | 41.13              | 15.21                      | 0.032847                        |
| 2024 | 3         | 1                 | 15531        | 0                   | 3             | 2614              | 15.43                        | 4.00                         | 36.02              | 13.02                      | 0.030935                        |
| 2024 | 3         | 1                 | 11001        | 1100119             | 2             | 7345              | 2.87                         | 0.38                         | 40.82              | 27.31                      | 0.070510                        |
| 2024 | 3         | 1                 | 5088         | 0                   | 2             | 5886              | 2.79                         | 0.34                         | 47.68              | 28.15                      | 0.056162                        |
| 2024 | 3         | 1                 | 5088         | 0508808             | 2             | 1224              | 3.37                         | 0.35                         | 47.44              | 23.52                      | 0.063682                        |
| 2024 | 3         | 1                 | 54405        | 0                   | 2             | 1286              | 3.16                         | 0.38                         | 46.27              | 32.38                      | 0.033014                        |
| 2024 | 3         | 1                 | 76001        | 7600115             | 2             | 288               | 2.40                         | 0.35                         | 54.07              | 32.94                      | 0.050338                        |
| 2024 | 3         | 1                 | 52786        | 0                   | 2             | 156               | 1.36                         | 0.31                         | 58.15              | 43.33                      | 0.050341                        |
| 2024 | 3         | 1                 | 54480        | 0                   | 3             | 1230              | 14.16                        | 4.40                         | 43.03              | 13.99                      | 0.028884                        |
| 2024 | 3         | 1                 | 50689        | 0                   | 2             | 352               | 1.98                         | 0.93                         | 46.75              | 39.70                      | 0.065591                        |
| 2024 | 3         | 1                 | 17380        | 0                   | 2             | 812               | 2.29                         | 0.30                         | 57.87              | 31.50                      | 0.051175                        |
| 2024 | 3         | 1                 | 17433        | 0                   | 2             | 196               | 1.71                         | 0.31                         | 61.05              | 26.92                      | 0.075770                        |
| 2024 | 3         | 1                 | 17873        | 0                   | 2             | 752               | 3.10                         | 0.42                         | 55.85              | 23.11                      | 0.067229                        |
| 2024 | 3         | 1                 | 11001        | 1100102             | 2             | 10370             | 5.97                         | 0.38                         | 37.10              | 20.47                      | 0.080025                        |
| 2024 | 3         | 1                 | 13894        | 0                   | 2             | 49                | 1.68                         | 0.30                         | 61.67              | 31.62                      | 0.037143                        |
| 2024 | 3         | 1                 | 68575        | 0                   | 2             | 390               | 1.93                         | 0.33                         | 58.94              | 36.46                      | 0.044719                        |
| 2024 | 3         | 1                 | 68720        | 0                   | 2             | 42                | 3.11                         | 0.39                         | 48.30              | 38.72                      | 0.010219                        |
| 2024 | 3         | 1                 | 13188        | 0                   | 3             | 749               | 2.86                         | 2.93                         | 49.31              | 19.15                      | 0.089982                        |
| 2024 | 3         | 1                 | 76130        | 0                   | 2             | 1249              | 1.85                         | 0.38                         | 54.13              | 33.41                      | 0.044847                        |
| 2024 | 3         | 1                 | 76497        | 0                   | 2             | 111               | 3.04                         | 0.35                         | 56.95              | 28.09                      | 0.103066                        |
| 2024 | 3         | 1                 | 27787        | 0                   | 3             | 3402              | 7.01                         | 5.83                         | 48.31              | 15.24                      | 0.039137                        |
| 2024 | 3         | 1                 | 17665        | 0                   | 3             | 2134              | 7.11                         | 4.62                         | 44.54              | 13.39                      | 0.035403                        |
| 2024 | 3         | 1                 | 54498        | 0                   | 2             | 712               | 1.38                         | 0.31                         | 56.71              | 42.89                      | 0.043474                        |
| 2024 | 3         | 1                 | 5308         | 0                   | 2             | 799               | 1.74                         | 0.36                         | 51.78              | 24.78                      | 0.061987                        |
| 2024 | 3         | 1                 | 11001        | 1100117             | 2             | 1388              | 4.98                         | 0.38                         | 35.65              | 21.89                      | 0.058244                        |
| 2024 | 3         | 1                 | 5088         | 0508801             | 2             | 164               | 2.42                         | 0.32                         | 46.85              | 34.11                      | 0.044346                        |
| 2024 | 3         | 1                 | 13248        | 0                   | 3             | 551               | 16.36                        | 6.58                         | 49.34              | 13.47                      | 0.029908                        |
| 2024 | 3         | 1                 | 68001        | 6800113             | 2             | 1145              | 4.35                         | 0.35                         | 46.08              | 22.86                      | 0.058508                        |
| 2024 | 3         | 1                 | 23574        | 0                   | 3             | 1592              | 6.18                         | 5.04                         | 71.61              | 19.50                      | 0.037432                        |
| 2024 | 3         | 1                 | 5001         | 0500107             | 2             | 2503              | 3.32                         | 0.33                         | 44.34              | 26.79                      | 0.057168                        |
| 2024 | 3         | 1                 | 76001        | 7600111             | 2             | 1109              | 4.06                         | 0.36                         | 50.23              | 20.40                      | 0.074729                        |
| 2024 | 3         | 1                 | 15778        | 0                   | 3             | 1014              | 10.99                        | 2.69                         | 33.58              | 15.56                      | 0.038156                        |
| 2024 | 3         | 1                 | 76001        | 7600118             | 2             | 549               | 3.85                         | 0.36                         | 51.25              | 28.85                      | 0.046867                        |
| 2024 | 3         | 1                 | 47720        | 0                   | 3             | 860               | 10.27                        | 7.79                         | 36.57              | 12.13                      | 0.037863                        |
| 2024 | 3         | 1                 | 5001         | 0500112             | 2             | 1358              | 4.01                         | 0.35                         | 43.18              | 21.71                      | 0.063912                        |
| 2024 | 3         | 1                 | 63272        | 0                   | 2             | 598               | 2.91                         | 0.33                         | 54.98              | 26.10                      | 0.040142                        |
| 2024 | 3         | 1                 | 68001        | 6800103             | 2             | 646               | 4.59                         | 0.40                         | 45.79              | 32.60                      | 0.047436                        |
| 2024 | 3         | 1                 | 50573        | 0                   | 2             | 1006              | 1.80                         | 0.80                         | 49.32              | 40.43                      | 0.045438                        |
| 2024 | 3         | 1                 | 23419        | 0                   | 3             | 2032              | 9.36                         | 7.19                         | 56.93              | 15.47                      | 0.040864                        |
| 2024 | 3         | 1                 | 76834        | 0                   | 2             | 1995              | 4.36                         | 0.36                         | 48.74              | 25.65                      | 0.060195                        |
| 2024 | 3         | 1                 | 18001        | 0                   | 2             | 1984              | 2.78                         | 0.37                         | 56.84              | 33.52                      | 0.050819                        |
| 2024 | 3         | 1                 | 18205        | 0                   | 3             | 1441              | 20.22                        | 7.11                         | 58.41              | 16.44                      | 0.028789                        |
| 2024 | 3         | 1                 | 5045         | 0                   | 2             | 1479              | 2.27                         | 0.33                         | 56.05              | 30.51                      | 0.042049                        |
| 2024 | 3         | 1                 | 41551        | 0                   | 2             | 861               | 1.71                         | 0.32                         | 54.95              | 33.57                      | 0.058014                        |
| 2024 | 3         | 1                 | 52110        | 0                   | 2             | 157               | 1.56                         | 0.22                         | 61.70              | 53.59                      | 0.058898                        |
| 2024 | 3         | 1                 | 41013        | 0                   | 2             | 57                | 2.13                         | 0.35                         | 52.81              | 44.65                      | 0.042408                        |
| 2024 | 3         | 1                 | 5001         | 0500113             | 2             | 985               | 2.44                         | 0.33                         | 44.27              | 29.07                      | 0.058116                        |
| 2024 | 3         | 1                 | 15293        | 0                   | 3             | 1200              | 27.64                        | 8.73                         | 35.53              | 11.43                      | 0.027635                        |
| 2024 | 3         | 1                 | 15299        | 0                   | 2             | 372               | 0.99                         | 0.91                         | 49.95              | 35.59                      | 0.024442                        |
| 2024 | 3         | 1                 | 76001        | 7600102             | 2             | 3666              | 4.55                         | 0.39                         | 49.59              | 20.54                      | 0.059223                        |
| 2024 | 3         | 1                 | 52079        | 0                   | 2             | 106               | 1.00                         | 0.25                         | 68.47              | 50.59                      | 0.025382                        |
| 2024 | 3         | 1                 | 15572        | 0                   | 2             | 721               | 1.93                         | 0.70                         | 48.38              | 42.61                      | 0.043128                        |
| 2024 | 3         | 1                 | 68318        | 0                   | 3             | 520               | 10.84                        | 9.85                         | 38.36              | 10.62                      | 0.043795                        |
| 2024 | 3         | 1                 | 18460        | 0                   | 3             | 1568              | 6.80                         | 7.45                         | 49.15              | 13.08                      | 0.062250                        |
| 2024 | 3         | 1                 | 23168        | 0                   | 3             | 1635              | 23.41                        | 7.58                         | 40.17              | 11.82                      | 0.027696                        |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIMESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COMUNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD_DESCARGA | INDICADOR_VELOCIDAD_AD_CARGA | INDICADOR_LATENCIA | INDICADOR_FLUCTUACION_FASE | INDICADOR_TASA_PERDIDA_PAQUETES |
|------|-----------|-------------------|--------------|---------------------|---------------|-------------------|------------------------------|------------------------------|--------------------|----------------------------|---------------------------------|
| 2024 | 3         | 1                 | 50001        | 5000108             | 2             | 1630              | 3.20                         | 1.03                         | 37.43              | 25.88                      | 0.053552                        |
| 2024 | 3         | 1                 | 25754        | 2575405             | 2             | 1545              | 4.31                         | 0.38                         | 36.31              | 24.70                      | 0.077120                        |
| 2024 | 3         | 1                 | 11001        | 1100114             | 2             | 4568              | 4.25                         | 0.36                         | 36.50              | 20.30                      | 0.081856                        |
| 2024 | 3         | 1                 | 13440        | 0                   | 3             | 563               | 12.65                        | 1.87                         | 45.92              | 20.62                      | 0.038680                        |
| 2024 | 3         | 1                 | 5040         | 0                   | 2             | 92                | 1.75                         | 0.26                         | 59.37              | 50.80                      | 0.032865                        |
| 2024 | 3         | 1                 | 25168        | 0                   | 2             | 100               | 1.23                         | 0.94                         | 70.89              | 25.89                      | 0.071541                        |
| 2024 | 3         | 1                 | 76109        | 0                   | 2             | 1101              | 2.47                         | 0.30                         | 53.97              | 32.48                      | 0.053917                        |
| 2024 | 3         | 1                 | 68720        | 0                   | 3             | 513               | 6.60                         | 8.51                         | 49.12              | 12.71                      | 0.050400                        |
| 2024 | 3         | 1                 | 50150        | 0                   | 2             | 170               | 1.52                         | 0.54                         | 48.76              | 46.52                      | 0.044818                        |
| 2024 | 3         | 1                 | 73200        | 0                   | 2             | 148               | 2.09                         | 0.29                         | 50.87              | 39.21                      | 0.055878                        |
| 2024 | 3         | 1                 | 73270        | 0                   | 3             | 2088              | 11.75                        | 3.20                         | 35.16              | 17.91                      | 0.038040                        |
| 2024 | 3         | 1                 | 50330        | 0                   | 3             | 3888              | 7.58                         | 2.61                         | 40.67              | 17.55                      | 0.039185                        |
| 2024 | 3         | 1                 | 13654        | 0                   | 2             | 51                | 0.81                         | 0.34                         | 54.87              | 37.72                      | 0.075752                        |
| 2024 | 3         | 1                 | 85400        | 0                   | 3             | 967               | 26.07                        | 11.28                        | 39.78              | 11.21                      | 0.025011                        |
| 2024 | 3         | 1                 | 11001        | 1100106             | 2             | 3917              | 3.08                         | 0.38                         | 38.51              | 22.82                      | 0.067335                        |
| 2024 | 3         | 1                 | 41503        | 0                   | 3             | 1052              | 17.34                        | 2.64                         | 44.80              | 17.51                      | 0.057640                        |
| 2024 | 3         | 1                 | 54518        | 0                   | 2             | 675               | 1.93                         | 0.35                         | 52.54              | 45.02                      | 0.022432                        |
| 2024 | 3         | 1                 | 59025        | 0                   | 3             | 1104              | 11.18                        | 7.94                         | 39.87              | 15.55                      | 0.037362                        |
| 2024 | 3         | 1                 | 50001        | 5000107             | 2             | 2135              | 3.86                         | 1.12                         | 37.20              | 26.90                      | 0.046450                        |
| 2024 | 3         | 1                 | 68001        | 6800116             | 2             | 278               | 4.25                         | 0.41                         | 45.28              | 21.21                      | 0.087130                        |
| 2024 | 3         | 1                 | 23417        | 0                   | 2             | 706               | 1.19                         | 0.32                         | 56.04              | 42.45                      | 0.032375                        |
| 2024 | 3         | 1                 | 54720        | 0                   | 2             | 448               | 1.33                         | 0.42                         | 63.19              | 46.64                      | 0.039524                        |
| 2024 | 3         | 1                 | 5652         | 0                   | 2             | 98                | 1.41                         | 0.73                         | 60.25              | 44.81                      | 0.036053                        |
| 2024 | 3         | 1                 | 15507        | 0                   | 3             | 2341              | 10.82                        | 10.90                        | 40.02              | 13.08                      | 0.036487                        |
| 2024 | 3         | 1                 | 15001        | 0                   | 2             | 4181              | 3.02                         | 1.09                         | 37.36              | 29.57                      | 0.046110                        |
| 2024 | 3         | 1                 | 86757        | 0                   | 3             | 2507              | 5.65                         | 4.44                         | 56.85              | 17.75                      | 0.049139                        |
| 2024 | 3         | 1                 | 25307        | 0                   | 2             | 2277              | 3.63                         | 1.11                         | 38.77              | 27.86                      | 0.046254                        |
| 2024 | 3         | 1                 | 76126        | 0                   | 2             | 243               | 2.81                         | 0.30                         | 56.35              | 28.93                      | 0.049525                        |
| 2024 | 3         | 1                 | 20001        | 2000104             | 2             | 734               | 2.76                         | 0.34                         | 54.31              | 30.25                      | 0.048143                        |
| 2024 | 3         | 1                 | 20310        | 0                   | 3             | 792               | 24.86                        | 15.28                        | 36.85              | 8.17                       | 0.014808                        |
| 2024 | 3         | 1                 | 15377        | 0                   | 3             | 1187              | 17.01                        | 6.69                         | 45.91              | 11.70                      | 0.033744                        |
| 2024 | 3         | 1                 | 50313        | 0                   | 2             | 777               | 2.45                         | 0.91                         | 45.47              | 33.91                      | 0.041407                        |
| 2024 | 3         | 1                 | 5001         | 0500108             | 2             | 862               | 2.59                         | 0.34                         | 46.42              | 30.10                      | 0.047420                        |
| 2024 | 3         | 1                 | 5467         | 0                   | 3             | 1170              | 16.18                        | 5.61                         | 74.96              | 13.23                      | 0.043309                        |
| 2024 | 3         | 1                 | 8758         | 0875804             | 2             | 900               | 2.97                         | 0.34                         | 45.06              | 27.18                      | 0.055279                        |
| 2024 | 3         | 1                 | 54800        | 0                   | 3             | 795               | 1.68                         | 2.87                         | 88.06              | 14.52                      | 0.043302                        |
| 2024 | 3         | 1                 | 68780        | 0                   | 3             | 1478              | 7.43                         | 3.13                         | 34.91              | 14.49                      | 0.024352                        |
| 2024 | 3         | 1                 | 5873         | 0                   | 3             | 1686              | 10.87                        | 7.70                         | 35.18              | 10.10                      | 0.023160                        |
| 2024 | 3         | 1                 | 15092        | 0                   | 3             | 796               | 36.34                        | 14.77                        | 30.43              | 6.90                       | 0.015007                        |
| 2024 | 3         | 1                 | 76054        | 0                   | 3             | 776               | 13.43                        | 7.69                         | 44.91              | 11.39                      | 0.022575                        |
| 2024 | 3         | 1                 | 68615        | 0                   | 2             | 345               | 2.04                         | 0.29                         | 54.06              | 48.32                      | 0.047821                        |
| 2024 | 3         | 1                 | 5321         | 0                   | 2             | 123               | 1.84                         | 0.82                         | 48.42              | 38.88                      | 0.037769                        |
| 2024 | 3         | 1                 | 25799        | 0                   | 2             | 814               | 2.21                         | 0.33                         | 42.70              | 33.33                      | 0.073378                        |
| 2024 | 3         | 1                 | 23001        | 2300104             | 2             | 633               | 2.12                         | 0.36                         | 57.87              | 30.59                      | 0.075103                        |
| 2024 | 3         | 1                 | 25899        | 0                   | 2             | 1717              | 2.08                         | 0.35                         | 42.78              | 30.58                      | 0.049052                        |
| 2024 | 3         | 1                 | 11001        | 1100103             | 2             | 4848              | 4.63                         | 0.38                         | 36.20              | 19.30                      | 0.077366                        |
| 2024 | 3         | 1                 | 44279        | 0                   | 2             | 230               | 1.68                         | 0.34                         | 59.68              | 40.08                      | 0.054132                        |
| 2024 | 3         | 1                 | 15248        | 0                   | 3             | 932               | 22.92                        | 7.15                         | 42.99              | 13.37                      | 0.025320                        |
| 2024 | 3         | 1                 | 19548        | 0                   | 2             | 113               | 0.99                         | 0.32                         | 57.84              | 42.32                      | 0.043566                        |
| 2024 | 3         | 1                 | 23068        | 0                   | 2             | 130               | 1.10                         | 0.32                         | 57.60              | 47.62                      | 0.050424                        |
| 2024 | 3         | 1                 | 47288        | 0                   | 2             | 251               | 1.52                         | 0.32                         | 48.94              | 34.72                      | 0.058677                        |
| 2024 | 3         | 1                 | 25718        | 0                   | 2             | 194               | 1.62                         | 0.74                         | 43.54              | 45.84                      | 0.061055                        |
| 2024 | 3         | 1                 | 23001        | 2300107             | 2             | 433               | 4.43                         | 0.39                         | 51.58              | 19.05                      | 0.061671                        |
| 2024 | 3         | 1                 | 5059         | 0                   | 3             | 1352              | 28.18                        | 6.94                         | 36.73              | 12.03                      | 0.027194                        |
| 2024 | 3         | 1                 | 23182        | 0                   | 2             | 364               | 1.05                         | 0.32                         | 58.81              | 44.02                      | 0.030359                        |
| 2024 | 3         | 1                 | 52287        | 0                   | 2             | 84                | 2.83                         | 0.79                         | 48.24              | 31.26                      | 0.033771                        |
| 2024 | 3         | 1                 | 54385        | 0                   | 3             | 1659              | 14.32                        | 3.93                         | 60.02              | 18.33                      | 0.039043                        |
| 2024 | 3         | 1                 | 15368        | 0                   | 2             | 47                | 1.37                         | 0.98                         | 51.37              | 48.27                      | 0.029134                        |
| 2024 | 3         | 1                 | 5313         | 0                   | 2             | 94                | 0.90                         | 0.51                         | 58.62              | 39.51                      | 0.025813                        |
| 2024 | 3         | 1                 | 5310         | 0                   | 2             | 37                | 1.89                         | 0.53                         | 54.22              | 41.71                      | 0.023005                        |
| 2024 | 3         | 1                 | 73449        | 0                   | 2             | 939               | 2.87                         | 0.41                         | 45.21              | 27.77                      | 0.048434                        |
| 2024 | 3         | 1                 | 25815        | 0                   | 2             | 460               | 1.74                         | 0.87                         | 48.16              | 42.53                      | 0.035350                        |
| 2024 | 3         | 1                 | 54001        | 5400102             | 2             | 1279              | 3.52                         | 0.36                         | 45.77              | 26.96                      | 0.069203                        |
| 2024 | 3         | 1                 | 76020        | 0                   | 2             | 91                | 1.54                         | 0.30                         | 57.33              | 37.08                      | 0.074425                        |
| 2024 | 3         | 1                 | 5380         | 0                   | 2             | 934               | 2.39                         | 0.32                         | 52.64              | 37.78                      | 0.064874                        |
| 2024 | 3         | 1                 | 5001         | 0500111             | 2             | 3825              | 4.93                         | 0.35                         | 43.90              | 21.56                      | 0.068775                        |
| 2024 | 3         | 1                 | 52233        | 0                   | 3             | 651               | 3.97                         | 6.16                         | 45.76              | 13.11                      | 0.030400                        |
| 2024 | 3         | 1                 | 18785        | 0                   | 2             | 33                | 1.36                         | 0.28                         | 57.06              | 31.30                      | 0.032000                        |
| 2024 | 3         | 1                 | 54223        | 0                   | 3             | 1276              | 19.59                        | 5.95                         | 38.86              | 10.49                      | 0.022371                        |
| 2024 | 3         | 1                 | 50001        | 5000106             | 2             | 1399              | 4.34                         | 1.12                         | 37.27              | 28.12                      | 0.048308                        |
| 2024 | 3         | 1                 | 23807        | 0                   | 2             | 307               | 0.64                         | 0.31                         | 56.45              | 44.32                      | 0.032196                        |
| 2024 | 3         | 1                 | 47798        | 0                   | 3             | 876               | 31.15                        | 10.41                        | 42.38              | 10.73                      | 0.035850                        |
| 2024 | 3         | 1                 | 68147        | 0                   | 2             | 92                | 1.71                         | 0.41                         | 63.61              | 27.45                      | 0.011486                        |
| 2024 | 3         | 1                 | 73152        | 0                   | 3             | 1467              | 26.29                        | 5.05                         | 38.16              | 12.16                      | 0.032927                        |
| 2024 | 3         | 1                 | 5690         | 0                   | 2             | 259               | 2.65                         | 0.32                         | 51.72              | 32.87                      | 0.061218                        |
| 2024 | 3         | 1                 | 5656         | 0                   | 2             | 356               | 1.72                         | 0.95                         | 46.96              | 32.33                      | 0.033540                        |
| 2024 | 3         | 1                 | 86749        | 0                   | 2             | 283               | 0.80                         | 0.34                         | 63.41              | 44.25                      | 0.034610                        |
| 2024 | 3         | 1                 | 50001        | 5000101             | 2             | 762               | 4.73                         | 1.09                         | 37.91              | 23.48                      | 0.066639                        |
| 2024 | 3         | 1                 | 50001        | 5000102             | 2             | 1712              | 4.48                         | 1.08                         | 36.18              | 25.28                      | 0.050460                        |
| 2024 | 3         | 1                 | 11001        | -1                  | 3             | 864               | 8.28                         | 4.11                         | 36.69              | 13.76                      | 0.026328                        |
| 2024 | 3         | 1                 | 5088         | -1                  | 2             | 424               | 3.10                         | 0.52                         | 45.99              | 32.22                      | 0.049062                        |
| 2024 | 3         | 1                 | 76122        | 0                   | 2             | 268               | 2.05                         | 0.32                         | 62.46              | 35.74                      | 0.011759                        |
| 2024 | 3         | 1                 | 15106        | 0                   | 3             | 671               | 24.62                        | 7.55                         | 35.63              | 11.32                      | 0.026504                        |
| 2024 | 3         | 1                 | 54003        | 0                   | 2             | 176               | 0.83                         | 0.38                         | 60.63              | 39.79                      | 0.068784                        |
| 2024 | 3         | 1                 | 18592        | 0                   | 2             | 102               | 1.66                         | 0.35                         | 58.69              | 33.86                      | 0.043607                        |
| 2024 | 3         | 1                 | 5887         | 0                   | 2             | 487               | 1.74                         | 0.24                         | 57.90              | 44.59                      | 0.067123                        |
| 2024 | 3         | 1                 | 73616        | 0                   | 3             | 3413              | 9.77                         | 7.39                         | 37.14              | 13.17                      | 0.037100                        |
| 2024 | 3         | 1                 | 97001        | 0                   | 3             | 3696              | 1.89                         | 1.61                         | 62.14              | 37.53                      | 0.022868                        |
| 2024 | 3         | 1                 | 13030        | 0                   | 2             | 31                | 0.46                         | 0.21                         | 90                 | 67.28                      | 0.027534                        |
| 2024 | 3         | 1                 | 25178        | 0                   | 2             | 221               | 1.56                         | 0.93                         | 41.89              | 37.60                      | 0.047660                        |
| 2024 | 3         | 1                 | 99624        | 0                   | 3             | 875               | 3.49                         | 1.93                         | 44.28              | 19.22                      | 0.037732                        |
| 2024 | 3         | 1                 | 68298        | 0                   | 3             | 567               | 7.07                         | 2.12                         | 40.81              | 15.25                      | 0.039643                        |
| 2024 | 3         | 1                 | 5120         | 0                   | 2             | 222               | 1.20                         | 0.29                         | 59.08              | 42.69                      | 0.030314                        |
| 2024 | 3         | 1                 | 5134         | 0                   | 3             | 868               | 4.84                         | 1.78                         | 42.15              | 21.05                      | 0.054033                        |
| 2024 | 3         | 1                 | 73443        | 0                   | 2             | 292               | 1.94                         | 0.34                         | 50.53              | 36.50                      | 0.061101                        |
| 2024 | 3         | 1                 | 20228        | 0                   | 2             | 415               | 2.05                         | 0.27                         | 51.46              | 37.99                      | 0.037896                        |
| 2024 | 3         | 1                 | 68669        | 0                   | 2             | 133               | 1.22                         | 0.64                         | 52.08              | 43.04                      | 0.021175                        |
| 2024 | 3         | 1                 | 68001        | 6800101             | 2             | 220               | 2.41                         | 0.42                         | 48.28              | 33.71                      | 0.039504                        |
| 2024 | 3         | 1                 | 25754        | 2575406             | 2             | 731               | 3.70                         | 0.37                         | 38.28              | 23.33                      | 0.064591                        |
| 2024 | 3         | 1                 | 25530        | 0                   | 2             | 162               | 1.32                         | 0.77                         | 47.91              | 41.69                      | 0.028854                        |
| 2024 | 3         | 1                 | 5030         | 0                   | 2             | 397               | 1.84                         | 0.34                         | 56.78              | 33.08                      | 0.037534                        |
| 2024 | 3         | 1                 | 85410        | 0                   | 2             | 351               | 1.17                         | 0.44                         | 83.70              | 57.01                      | 0.048587                        |
| 2024 | 3         | 1                 | 8520         | 0                   | 2             | 118               | 1.66                         | 0.27                         | 50.74              | 44.62                      | 0.035604                        |
| 2024 | 3         | 1                 | 68001        | 6800106             | 2             | 533               | 4.24                         | 0.36                         | 45.97              | 31.03                      | 0.062859                        |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIMESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COMUNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD_DESCARGA | INDICADOR_VELOCIDAD_CARGA | INDICADOR_LATENCIA | INDICADOR_FLUCTUACION_FASE | INDICADOR_TASA_PERDIDA_PAQUETES |
|------|-----------|-------------------|--------------|---------------------|---------------|-------------------|------------------------------|---------------------------|--------------------|----------------------------|---------------------------------|
| 2024 | 3         | 1                 | 73217        | 0                   | 2             | 142               | 1.65                         | 0.33                      | 49.51              | 39.19                      | 0.055620                        |
| 2024 | 3         | 1                 | 5756         | 0                   | 2             | 204               | 1.46                         | 0.28                      | 64.70              | 43.04                      | 0.038568                        |
| 2024 | 3         | 1                 | 13052        | 0                   | 2             | 189               | 1.20                         | 0.48                      | 55.63              | 40.25                      | 0.036748                        |
| 2024 | 3         | 1                 | 73001        | 7300101             | 2             | 1106              | 4.02                         | 0.37                      | 40.11              | 24.44                      | 0.081421                        |
| 2024 | 3         | 1                 | 23001        | 2300108             | 2             | 1220              | 3.89                         | 0.47                      | 52.09              | 20.93                      | 0.059564                        |
| 2024 | 3         | 1                 | 76001        | 7600104             | 2             | 1340              | 4.40                         | 0.35                      | 50.91              | 19.26                      | 0.069419                        |
| 2024 | 3         | 1                 | 25817        | 0                   | 2             | 1344              | 2.77                         | 0.36                      | 42.37              | 28.40                      | 0.051721                        |
| 2024 | 3         | 1                 | 5266         | 0                   | 2             | 3852              | 5.29                         | 0.36                      | 46.21              | 18.73                      | 0.058559                        |
| 2024 | 3         | 1                 | 18150        | 0                   | 2             | 198               | 2.35                         | 0.35                      | 57.44              | 33.66                      | 0.041248                        |
| 2024 | 3         | 1                 | 15516        | 0                   | 2             | 575               | 1.98                         | 0.99                      | 44.10              | 37.21                      | 0.037690                        |
| 2024 | 3         | 1                 | 76828        | 0                   | 2             | 48                | 2.28                         | 0.29                      | 54.54              | 44.70                      | 0.056999                        |
| 2024 | 3         | 1                 | 25612        | 0                   | 2             | 752               | 2.95                         | 1.02                      | 41.15              | 24.99                      | 0.042412                        |
| 2024 | 3         | 1                 | 41668        | 0                   | 2             | 147               | 1.16                         | 0.33                      | 58.68              | 33.40                      | 0.070080                        |
| 2024 | 3         | 1                 | 76054        | 0                   | 2             | 30                | 2.74                         | 0.75                      | 58.44              | 31.68                      | 0.023891                        |
| 2024 | 3         | 1                 | 15810        | 0                   | 2             | 127               | 0.55                         | 1.00                      | 62.05              | 49.69                      | 0.013255                        |
| 2024 | 3         | 1                 | 15835        | 0                   | 2             | 61                | 1.09                         | 0.93                      | 48.87              | 47.46                      | 0.035003                        |
| 2024 | 3         | 1                 | 73001        | 7300107             | 2             | 623               | 3.05                         | 0.35                      | 41.59              | 28.37                      | 0.067350                        |
| 2024 | 3         | 1                 | 85010        | 0                   | 2             | 456               | 2.53                         | 0.34                      | 51.39              | 36.09                      | 0.056851                        |
| 2024 | 3         | 1                 | 41026        | 0                   | 2             | 182               | 1.22                         | 0.34                      | 55.23              | 30.40                      | 0.034003                        |
| 2024 | 3         | 1                 | 68296        | 0                   | 3             | 522               | 20.12                        | 5.46                      | 38.16              | 13.77                      | 0.027998                        |
| 2024 | 3         | 1                 | 68077        | 0                   | 2             | 352               | 2.68                         | 0.36                      | 50.28              | 33.61                      | 0.089657                        |
| 2024 | 3         | 1                 | 50318        | 0                   | 2             | 305               | 2.09                         | 0.76                      | 43.98              | 34.92                      | 0.030508                        |
| 2024 | 3         | 1                 | 68167        | 0                   | 2             | 104               | 1.11                         | 0.33                      | 58.17              | 54.37                      | 0.027253                        |
| 2024 | 3         | 1                 | 23672        | 0                   | 2             | 246               | 1.38                         | 0.28                      | 55.75              | 53.90                      | 0.040127                        |
| 2024 | 3         | 1                 | 23555        | 0                   | 2             | 382               | 1.56                         | 0.35                      | 62.41              | 37.00                      | 0.040982                        |
| 2024 | 3         | 1                 | 76001        | 7600101             | 2             | 253               | 3.12                         | 0.38                      | 49.35              | 23.59                      | 0.062385                        |
| 2024 | 3         | 1                 | 54599        | 0                   | 3             | 1152              | 12.41                        | 7.08                      | 44.96              | 12.02                      | 0.049737                        |
| 2024 | 3         | 1                 | 41530        | 0                   | 2             | 46                | 0.86                         | 0.34                      | 55.84              | 22.14                      | 0.028994                        |
| 2024 | 3         | 1                 | 8685         | 0                   | 2             | 87                | 3.40                         | 0.29                      | 48.30              | 49.15                      | 0.057419                        |
| 2024 | 3         | 1                 | 41206        | 0                   | 2             | 138               | 1.72                         | 0.55                      | 54.30              | 33.69                      | 0.022303                        |
| 2024 | 3         | 1                 | 76113        | 0                   | 2             | 523               | 2.18                         | 0.31                      | 52.53              | 32.99                      | 0.030163                        |
| 2024 | 3         | 1                 | 52258        | 0                   | 3             | 1330              | 14.35                        | 2.75                      | 41.49              | 15.92                      | 0.034906                        |
| 2024 | 3         | 1                 | 23001        | 2300106             | 2             | 560               | 2.74                         | 0.37                      | 54.91              | 25.31                      | 0.055134                        |
| 2024 | 3         | 1                 | 15667        | 0                   | 2             | 178               | 3.93                         | 0.96                      | 43.12              | 38.04                      | 0.015242                        |
| 2024 | 3         | 1                 | 76606        | 0                   | 2             | 212               | 1.91                         | 0.31                      | 57.06              | 34.53                      | 0.026174                        |
| 2024 | 3         | 1                 | 5642         | 0                   | 2             | 142               | 1.16                         | 0.33                      | 58.48              | 41.97                      | 0.040534                        |
| 2024 | 3         | 1                 | 68001        | 6800112             | 2             | 961               | 4.83                         | 0.38                      | 45.44              | 26.08                      | 0.061488                        |
| 2024 | 3         | 1                 | 15693        | 0                   | 2             | 269               | 1.12                         | 0.86                      | 50.00              | 42.23                      | 0.022007                        |
| 2024 | 3         | 1                 | 25245        | 0                   | 2             | 518               | 1.19                         | 0.87                      | 43.72              | 37.75                      | 0.029839                        |
| 2024 | 3         | 1                 | 25645        | 0                   | 2             | 409               | 1.93                         | 0.70                      | 46.44              | 41.79                      | 0.049583                        |
| 2024 | 3         | 1                 | 70820        | 0                   | 2             | 196               | 1.92                         | 0.28                      | 54.24              | 35.71                      | 0.036564                        |
| 2024 | 3         | 1                 | 54001        | 5400107             | 2             | 555               | 2.26                         | 0.35                      | 47.49              | 33.97                      | 0.051787                        |
| 2024 | 3         | 1                 | 76001        | 7600108             | 2             | 1565              | 3.40                         | 0.34                      | 50.97              | 26.10                      | 0.059761                        |
| 2024 | 3         | 1                 | 76147        | 0                   | 2             | 880               | 3.84                         | 0.33                      | 51.48              | 25.52                      | 0.063468                        |
| 2024 | 3         | 1                 | 17653        | 0                   | 2             | 233               | 2.14                         | 0.29                      | 61.01              | 39.00                      | 0.032018                        |
| 2024 | 3         | 1                 | 70713        | 0                   | 2             | 150               | 2.14                         | 0.25                      | 60.28              | 41.49                      | 0.044709                        |
| 2024 | 3         | 1                 | 52683        | 0                   | 2             | 264               | 1.03                         | 0.32                      | 58.74              | 41.26                      | 0.035809                        |
| 2024 | 3         | 1                 | 17174        | 0                   | 2             | 648               | 2.28                         | 0.32                      | 57.34              | 44.23                      | 0.042199                        |
| 2024 | 3         | 1                 | 5240         | 0                   | 2             | 121               | 1.93                         | 0.55                      | 53.22              | 32.30                      | 0.098464                        |
| 2024 | 3         | 1                 | 5411         | 0                   | 2             | 119               | 2.07                         | 0.87                      | 51.34              | 26.95                      | 0.026096                        |
| 2024 | 3         | 1                 | 47189        | 0                   | 2             | 502               | 1.59                         | 0.30                      | 52.79              | 41.98                      | 0.064287                        |
| 2024 | 3         | 1                 | 50680        | 0                   | 2             | 182               | 2.84                         | 0.73                      | 47.10              | 37.98                      | 0.028486                        |
| 2024 | 3         | 1                 | 5134         | 0                   | 2             | 58                | 0.65                         | 0.57                      | 62.68              | 47.56                      | 0.022396                        |
| 2024 | 3         | 1                 | 20383        | 0                   | 2             | 222               | 1.88                         | 0.31                      | 66.04              | 39.05                      | 0.047273                        |
| 2024 | 3         | 1                 | 73686        | 0                   | 3             | 590               | 17.14                        | 3.19                      | 33.32              | 13.96                      | 0.034174                        |
| 2024 | 3         | 1                 | 76563        | 0                   | 2             | 370               | 1.90                         | 0.34                      | 53.51              | 29.91                      | 0.037867                        |
| 2024 | 3         | 1                 | 73001        | 7300105             | 2             | 547               | 4.68                         | 0.35                      | 40.40              | 28.60                      | 0.072503                        |
| 2024 | 3         | 1                 | 68502        | 0                   | 2             | 149               | 1.79                         | 0.36                      | 52.81              | 38.18                      | 0.013586                        |
| 2024 | 3         | 1                 | 25518        | 0                   | 2             | 90                | 1.26                         | 0.73                      | 52.12              | 47.13                      | 0.031882                        |
| 2024 | 3         | 1                 | 95001        | 0                   | 2             | 254               | 3.87                         | 0.34                      | 45.89              | 30.53                      | 0.064859                        |
| 2024 | 3         | 1                 | 76400        | 0                   | 2             | 116               | 1.25                         | 0.32                      | 57.24              | 43.82                      | 0.040737                        |
| 2024 | 3         | 1                 | 52573        | 0                   | 2             | 88                | 0.83                         | 0.21                      | 65.13              | 44.19                      | 0.038096                        |
| 2024 | 3         | 1                 | 54001        | 5400104             | 2             | 697               | 2.46                         | 0.37                      | 45.73              | 29.67                      | 0.070040                        |
| 2024 | 3         | 1                 | 11001        | 1100115             | 2             | 3357              | 3.69                         | 0.36                      | 35.92              | 22.61                      | 0.073592                        |
| 2024 | 3         | 1                 | 19585        | 0                   | 2             | 187               | 0.92                         | 0.41                      | 61.12              | 34.35                      | 0.044986                        |
| 2024 | 3         | 1                 | 25312        | 0                   | 2             | 227               | 2.50                         | 1.00                      | 41.92              | 31.99                      | 0.064670                        |
| 2024 | 3         | 1                 | 25377        | 0                   | 2             | 1001              | 2.59                         | 0.34                      | 42.27              | 32.15                      | 0.052129                        |
| 2024 | 3         | 1                 | 5172         | 0                   | 2             | 342               | 1.42                         | 0.31                      | 56.66              | 33.42                      | 0.050592                        |
| 2024 | 3         | 1                 | 52381        | 0                   | 2             | 124               | 2.17                         | 0.91                      | 51.38              | 22.41                      | 0.052082                        |
| 2024 | 3         | 1                 | 5088         | 0508803             | 2             | 599               | 3.11                         | 0.50                      | 45.57              | 27.72                      | 0.056820                        |
| 2024 | 3         | 1                 | 5209         | 0                   | 2             | 129               | 0.81                         | 0.33                      | 60.20              | 40.34                      | 0.063346                        |
| 2024 | 3         | 1                 | 70823        | 0                   | 2             | 237               | 1.89                         | 0.36                      | 53.99              | 37.07                      | 0.052244                        |
| 2024 | 3         | 1                 | 50001        | 5000105             | 2             | 2356              | 3.72                         | 1.08                      | 37.80              | 29.70                      | 0.046081                        |
| 2024 | 3         | 1                 | 17444        | 0                   | 2             | 95                | 1.31                         | 0.36                      | 63.11              | 34.77                      | 0.061842                        |
| 2024 | 3         | 1                 | 86568        | 0                   | 2             | 747               | 1.92                         | 0.34                      | 56.22              | 35.46                      | 0.061769                        |
| 2024 | 3         | 1                 | 25743        | 0                   | 2             | 378               | 1.56                         | 0.90                      | 42.42              | 45.11                      | 0.045582                        |
| 2024 | 3         | 1                 | 68464        | 0                   | 2             | 69                | 0.77                         | 0.27                      | 57.36              | 33.71                      | 0.016424                        |
| 2024 | 3         | 1                 | 20517        | 0                   | 2             | 150               | 1.18                         | 0.30                      | 75.10              | 44.77                      | 0.041137                        |
| 2024 | 3         | 1                 | 52378        | 0                   | 2             | 58                | 1.38                         | 0.27                      | 63.89              | 45.36                      | 0.053094                        |
| 2024 | 3         | 1                 | 25658        | 0                   | 2             | 377               | 1.51                         | 0.81                      | 40.84              | 41.66                      | 0.037434                        |
| 2024 | 3         | 1                 | 81736        | 0                   | 2             | 272               | 1.43                         | 0.38                      | 57.23              | 38.16                      | 0.034860                        |
| 2024 | 3         | 1                 | 25867        | 0                   | 2             | 107               | 1.19                         | 0.71                      | 42.40              | 37.30                      | 0.021128                        |
| 2024 | 3         | 1                 | 41298        | 0                   | 2             | 768               | 1.47                         | 0.36                      | 53.27              | 31.51                      | 0.057532                        |
| 2024 | 3         | 1                 | 86865        | 0                   | 2             | 164               | 1.43                         | 0.52                      | 54.58              | 35.89                      | 0.044256                        |
| 2024 | 3         | 1                 | 15897        | 0                   | 2             | 81                | 1.27                         | 0.69                      | 45.85              | 34.18                      | 0.032717                        |
| 2024 | 3         | 1                 | 73678        | 0                   | 2             | 176               | 3.00                         | 0.47                      | 44.29              | 27.77                      | 0.038150                        |
| 2024 | 3         | 1                 | 76001        | 7600122             | 2             | 427               | 6.35                         | 0.42                      | 48.86              | 15.51                      | 0.074391                        |
| 2024 | 3         | 1                 | 5001         | 0500102             | 2             | 417               | 2.22                         | 0.34                      | 47.71              | 29.12                      | 0.066075                        |
| 2024 | 3         | 1                 | 5001         | 0500104             | 2             | 1567              | 3.04                         | 0.35                      | 46.88              | 28.48                      | 0.054795                        |
| 2024 | 3         | 1                 | 15790        | 0                   | 2             | 123               | 1.36                         | 0.63                      | 54.27              | 41.87                      | 0.034053                        |
| 2024 | 3         | 1                 | 86573        | 0                   | 2             | 232               | 1.60                         | 0.41                      | 66.47              | 49.93                      | 0.027630                        |
| 2024 | 3         | 1                 | 50400        | 0                   | 2             | 143               | 1.23                         | 0.64                      | 54.76              | 48.77                      | 0.030408                        |
| 2024 | 3         | 1                 | 73520        | 0                   | 2             | 86                | 0.91                         | 0.32                      | 50.74              | 35.53                      | 0.018079                        |
| 2024 | 3         | 1                 | 68013        | 0                   | 3             | 630               | 60.30                        | 10.97                     | 32.83              | 9.75                       | 0.030877                        |
| 2024 | 3         | 1                 | 73483        | 0                   | 2             | 90                | 0.94                         | 0.32                      | 50.78              | 40.03                      | 0.035859                        |
| 2024 | 3         | 1                 | 15425        | 0                   | 2             | 108               | 0.96                         | 0.52                      | 50.12              | 52.00                      | 0.029660                        |
| 2024 | 3         | 1                 | 54599        | 0                   | 2             | 41                | 1.11                         | 0.76                      | 47.93              | 26.12                      | 0.015974                        |
| 2024 | 3         | 1                 | 20032        | 0                   | 2             | 103               | 1.25                         | 0.25                      | 59.21              | 57.18                      | 0.039188                        |
| 2024 | 3         | 1                 | 15757        | 0                   | 2             | 116               | 0.58                         | 0.73                      | 51.58              | 49.83                      | 0.022530                        |
| 2024 | 3         | 1                 | 25317        | 0                   | 2             | 182               | 1.32                         | 0.73                      | 47.16              | 39.38                      | 0.043724                        |
| 2024 | 3         | 1                 | 15380        | 0                   | 2             | 131               | 1.70                         | 0.79                      | 47.75              | 37.27                      | 0.024220                        |
| 2024 | 3         | 1                 | 5789         | 0                   | 2             | 86                | 0.71                         | 0.27                      | 61.27              | 42.76                      | 0.031449                        |
| 2024 | 3         | 1                 | 68549        | 0                   | 2             | 145               | 1.45                         | 0.49                      | 50.57              | 40.27                      | 0.020819                        |
| 2024 | 3         | 1                 | 25843        | 0                   | 2             | 789               | 1.56                         | 0.96                      | 38.08              | 33.39                      | 0.043074                        |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIMESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COMUNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD_DESCARGA | INDICADOR_VELOCIDAD_CARGA | INDICADOR_LATENCIA | INDICADOR_FLUCTUACION_FASE | INDICADOR_TASA_PERDIDA_PAQUETES |
|------|-----------|-------------------|--------------|---------------------|---------------|-------------------|------------------------------|---------------------------|--------------------|----------------------------|---------------------------------|
| 2024 | 3         | 1                 | 20001        | 2000105             | 2             | 911               | 3.50                         | 0.35                      | 52.95              | 23.13                      | 0.066330                        |
| 2024 | 3         | 1                 | 25797        | 0                   | 2             | 165               | 2.16                         | 0.75                      | 49.47              | 36.74                      | 0.048134                        |
| 2024 | 3         | 1                 | 19137        | 0                   | 2             | 51                | 0.73                         | 0.48                      | 68.34              | 44.72                      | 0.030633                        |
| 2024 | 3         | 1                 | 68001        | 6800115             | 2             | 538               | 4.22                         | 0.33                      | 45.07              | 32.31                      | 0.055293                        |
| 2024 | 3         | 1                 | 73504        | 0                   | 2             | 88                | 1.46                         | 0.31                      | 49.65              | 46.52                      | 0.065295                        |
| 2024 | 3         | 1                 | 54673        | 0                   | 2             | 286               | 1.30                         | 0.43                      | 51.69              | 40.08                      | 0.033070                        |
| 2024 | 3         | 1                 | 73319        | 0                   | 2             | 238               | 1.73                         | 0.29                      | 51.84              | 36.61                      | 0.043722                        |
| 2024 | 3         | 1                 | 27361        | 0                   | 3             | 8931              | 3.76                         | 4.43                      | 42.80              | 15.95                      | 0.033970                        |
| 2024 | 3         | 1                 | 5368         | 0                   | 2             | 205               | 1.18                         | 0.32                      | 59.22              | 39.32                      | 0.036658                        |
| 2024 | 3         | 1                 | 44001        | 0                   | 2             | 1204              | 2.29                         | 0.33                      | 56.28              | 31.41                      | 0.057689                        |
| 2024 | 3         | 1                 | 63594        | 0                   | 2             | 589               | 2.28                         | 0.32                      | 57.20              | 30.84                      | 0.054019                        |
| 2024 | 3         | 1                 | 76036        | 0                   | 2             | 157               | 1.56                         | 0.29                      | 54.24              | 44.72                      | 0.048751                        |
| 2024 | 3         | 1                 | 23090        | 0                   | 2             | 6                 | 2.27                         | 0.23                      | 53.67              | 26.29                      | 0.003400                        |
| 2024 | 3         | 1                 | 99773        | 0                   | 3             | 669               | 2.79                         | 1.30                      | 169.43             | 28.93                      | 0.098060                        |
| 2024 | 3         | 1                 | 73861        | 0                   | 2             | 139               | 2.49                         | 0.34                      | 45.47              | 34.64                      | 0.062786                        |
| 2024 | 3         | 1                 | 52687        | 0                   | 2             | 63                | 2.10                         | 0.34                      | 61.55              | 33.81                      | 0.077965                        |
| 2024 | 3         | 1                 | 52356        | 0                   | 2             | 843               | 3.40                         | 0.35                      | 55.20              | 27.66                      | 0.059597                        |
| 2024 | 3         | 1                 | 20001        | 2000106             | 2             | 574               | 4.56                         | 0.37                      | 51.52              | 19.13                      | 0.068959                        |
| 2024 | 3         | 1                 | 25297        | 0                   | 2             | 275               | 0.94                         | 0.81                      | 52.04              | 28.81                      | 0.033671                        |
| 2024 | 3         | 1                 | 68020        | 0                   | 3             | 565               | 5.00                         | 2.15                      | 36.64              | 16.38                      | 0.030058                        |
| 2024 | 3         | 1                 | 17013        | 0                   | 2             | 202               | 0.97                         | 0.32                      | 64.81              | 38.90                      | 0.041136                        |
| 2024 | 3         | 1                 | 52540        | 0                   | 2             | 36                | 1.96                         | 0.26                      | 56.25              | 49.87                      | 0.043979                        |
| 2024 | 3         | 1                 | 76275        | 0                   | 2             | 452               | 1.52                         | 0.32                      | 58.71              | 38.39                      | 0.040680                        |
| 2024 | 3         | 1                 | 15537        | 0                   | 2             | 58                | 0.96                         | 0.78                      | 46.21              | 37.68                      | 0.023546                        |
| 2024 | 3         | 1                 | 73675        | 0                   | 3             | 2259              | 9.89                         | 3.79                      | 36.50              | 12.52                      | 0.028522                        |
| 2024 | 3         | 1                 | 25224        | 0                   | 2             | 177               | 0.88                         | 0.77                      | 45.93              | 33.92                      | 0.024501                        |
| 2024 | 3         | 1                 | 52258        | 0                   | 2             | 36                | 0.96                         | 0.39                      | 69.92              | 49.85                      | 0.034262                        |
| 2024 | 3         | 1                 | 17541        | 0                   | 2             | 198               | 1.75                         | 0.33                      | 69.77              | 38.43                      | 0.036856                        |
| 2024 | 3         | 1                 | 17088        | 0                   | 2             | 194               | 1.11                         | 0.35                      | 61.27              | 41.99                      | 0.036574                        |
| 2024 | 3         | 1                 | 5088         | 0508805             | 2             | 369               | 1.67                         | 0.28                      | 50.15              | 38.63                      | 0.049941                        |
| 2024 | 3         | 1                 | 27050        | 0                   | 3             | 1780              | 8.80                         | 5.80                      | 50.20              | 14.92                      | 0.037038                        |
| 2024 | 3         | 1                 | 25851        | 0                   | 2             | 70                | 1.30                         | 0.68                      | 56.53              | 43.06                      | 0.060070                        |
| 2024 | 3         | 1                 | 50577        | 0                   | 2             | 144               | 1.16                         | 0.65                      | 55.07              | 41.72                      | 0.013289                        |
| 2024 | 3         | 1                 | 25436        | 0                   | 2             | 63                | 1.25                         | 0.64                      | 46.25              | 36.33                      | 0.018681                        |
| 2024 | 3         | 1                 | 44035        | 0                   | 2             | 250               | 2.36                         | 0.29                      | 58.81              | 34.03                      | 0.053871                        |
| 2024 | 3         | 1                 | 68679        | 0                   | 2             | 508               | 2.16                         | 0.35                      | 49.22              | 32.14                      | 0.035971                        |
| 2024 | 3         | 1                 | 68655        | 0                   | 2             | 257               | 1.75                         | 0.33                      | 55.35              | 49.77                      | 0.042584                        |
| 2024 | 3         | 1                 | 25260        | 0                   | 2             | 391               | 1.98                         | 0.34                      | 45.13              | 45.18                      | 0.059585                        |
| 2024 | 3         | 1                 | 15646        | 0                   | 2             | 314               | 1.26                         | 0.82                      | 47.08              | 42.30                      | 0.047699                        |
| 2024 | 3         | 1                 | 47707        | 0                   | 2             | 145               | 0.88                         | 0.33                      | 58.06              | 33.58                      | 0.032242                        |
| 2024 | 3         | 1                 | 99773        | 0                   | 2             | 41                | 0.91                         | 0.29                      | 291.58             | 40.16                      | 0.009062                        |
| 2024 | 3         | 1                 | 5001         | 0500106             | 2             | 753               | 2.52                         | 0.32                      | 47.29              | 28.15                      | 0.075044                        |
| 2024 | 3         | 1                 | 25181        | 0                   | 2             | 153               | 2.13                         | 0.33                      | 44.36              | 37.28                      | 0.068443                        |
| 2024 | 3         | 1                 | 5034         | 0                   | 2             | 212               | 0.79                         | 0.30                      | 67.18              | 45.43                      | 0.032775                        |
| 2024 | 3         | 1                 | 47001        | 4700103             | 2             | 1249              | 3.78                         | 0.34                      | 47.58              | 20.71                      | 0.062688                        |
| 2024 | 3         | 1                 | 5147         | 0                   | 2             | 527               | 1.80                         | 0.34                      | 57.42              | 32.26                      | 0.057459                        |
| 2024 | 3         | 1                 | 15664        | 0                   | 2             | 50                | 1.94                         | 1.02                      | 44.13              | 32.14                      | 0.033027                        |
| 2024 | 3         | 1                 | 86219        | 0                   | 2             | 108               | 1.20                         | 0.55                      | 61.64              | 41.26                      | 0.067914                        |
| 2024 | 3         | 1                 | 25322        | 0                   | 2             | 414               | 1.67                         | 0.68                      | 41.25              | 29.97                      | 0.038894                        |
| 2024 | 3         | 1                 | 25386        | 0                   | 2             | 810               | 2.22                         | 0.83                      | 43.67              | 38.39                      | 0.044042                        |
| 2024 | 3         | 1                 | 5664         | 0                   | 2             | 411               | 1.40                         | 0.32                      | 53.77              | 39.22                      | 0.062242                        |
| 2024 | 3         | 1                 | 68861        | 0                   | 2             | 215               | 2.42                         | 0.33                      | 54.12              | 32.74                      | 0.037433                        |
| 2024 | 3         | 1                 | 5847         | 0                   | 2             | 81                | 1.13                         | 0.34                      | 55.92              | 45.96                      | 0.030955                        |
| 2024 | 3         | 1                 | 73148        | 0                   | 2             | 517               | 2.23                         | 0.33                      | 49.29              | 28.96                      | 0.055118                        |
| 2024 | 3         | 1                 | 25295        | 0                   | 2             | 294               | 2.13                         | 0.65                      | 37.89              | 34.14                      | 0.044552                        |
| 2024 | 3         | 1                 | 5088         | 0508809             | 2             | 263               | 2.83                         | 0.33                      | 47.50              | 32.23                      | 0.050590                        |
| 2024 | 3         | 1                 | 5237         | 0                   | 2             | 159               | 1.50                         | 0.28                      | 53.26              | 40.48                      | 0.057605                        |
| 2024 | 3         | 1                 | 41524        | 0                   | 2             | 359               | 3.06                         | 0.35                      | 48.72              | 31.03                      | 0.078698                        |
| 2024 | 3         | 1                 | 63212        | 0                   | 2             | 39                | 3.39                         | 0.77                      | 49.90              | 17.55                      | 0.045170                        |
| 2024 | 3         | 1                 | 73624        | 0                   | 2             | 75                | 0.91                         | 0.26                      | 52.46              | 36.91                      | 0.052639                        |
| 2024 | 3         | 1                 | 54206        | 0                   | 3             | 992               | 0.23                         | 2.19                      | 57.11              | 13.29                      | 0.058017                        |
| 2024 | 3         | 1                 | 68307        | 0                   | 2             | 1229              | 2.75                         | 0.32                      | 51.66              | 34.31                      | 0.070691                        |
| 2024 | 3         | 1                 | 50251        | 0                   | 2             | 111               | 1.13                         | 0.86                      | 47.82              | 38.85                      | 0.031216                        |
| 2024 | 3         | 1                 | 13074        | 0                   | 2             | 54                | 1.28                         | 0.30                      | 68.38              | 40.91                      | 0.023142                        |
| 2024 | 3         | 1                 | 17665        | 0                   | 2             | 87                | 1.21                         | 0.32                      | 62.29              | 33.53                      | 0.027072                        |
| 2024 | 3         | 1                 | 5101         | 0                   | 2             | 162               | 0.93                         | 0.31                      | 53.88              | 38.86                      | 0.044638                        |
| 2024 | 3         | 1                 | 25785        | 0                   | 2             | 603               | 2.36                         | 0.46                      | 41.49              | 24.97                      | 0.077108                        |
| 2024 | 3         | 1                 | 8296         | 0                   | 2             | 300               | 2.71                         | 0.34                      | 44.76              | 27.66                      | 0.053217                        |
| 2024 | 3         | 1                 | 54001        | 5400101             | 2             | 1062              | 3.71                         | 0.37                      | 44.83              | 27.33                      | 0.059202                        |
| 2024 | 3         | 1                 | 52405        | 0                   | 2             | 150               | 1.09                         | 0.29                      | 60.47              | 35.32                      | 0.030456                        |
| 2024 | 3         | 1                 | 54820        | 0                   | 2             | 558               | 1.23                         | 0.35                      | 54.36              | 41.17                      | 0.027678                        |
| 2024 | 3         | 1                 | 73001        | 7300110             | 2             | 668               | 3.63                         | 0.36                      | 40.65              | 24.30                      | 0.058874                        |
| 2024 | 3         | 1                 | 68500        | 0                   | 2             | 208               | 1.31                         | 0.31                      | 55.44              | 35.92                      | 0.059514                        |
| 2024 | 3         | 1                 | 25878        | 0                   | 2             | 146               | 1.55                         | 0.72                      | 49.18              | 41.63                      | 0.042396                        |
| 2024 | 3         | 1                 | 68755        | 0                   | 2             | 335               | 1.82                         | 0.38                      | 50.41              | 37.87                      | 0.067686                        |
| 2024 | 3         | 1                 | 52240        | 0                   | 2             | 316               | 1.87                         | 0.33                      | 56.62              | 32.50                      | 0.031298                        |
| 2024 | 3         | 1                 | 68406        | 0                   | 2             | 216               | 2.46                         | 0.31                      | 52.98              | 37.33                      | 0.079273                        |
| 2024 | 3         | 1                 | 41396        | 0                   | 2             | 259               | 1.72                         | 0.32                      | 55.09              | 43.70                      | 0.056841                        |
| 2024 | 3         | 1                 | 99524        | 0                   | 3             | 1253              | 0.96                         | 3.61                      | 82.18              | 22.85                      | 0.057833                        |
| 2024 | 3         | 1                 | 23670        | 0                   | 2             | 33                | 0.93                         | 0.23                      | 54.19              | 66.99                      | 0.024705                        |
| 2024 | 3         | 1                 | 15740        | 0                   | 2             | 95                | 0.87                         | 0.91                      | 48.75              | 35.08                      | 0.016169                        |
| 2024 | 3         | 1                 | 5761         | 0                   | 2             | 302               | 1.21                         | 0.29                      | 53.78              | 40.12                      | 0.037589                        |
| 2024 | 3         | 1                 | 76616        | 0                   | 2             | 200               | 3.43                         | 0.80                      | 44.88              | 32.43                      | 0.043391                        |
| 2024 | 3         | 1                 | 15293        | 0                   | 2             | 70                | 3.21                         | 0.85                      | 44.15              | 33.26                      | 0.030269                        |
| 2024 | 3         | 1                 | 68572        | 0                   | 2             | 195               | 1.89                         | 0.40                      | 54.02              | 40.52                      | 0.042347                        |
| 2024 | 3         | 1                 | 5042         | 0                   | 2             | 290               | 1.91                         | 0.30                      | 51.72              | 32.55                      | 0.052939                        |
| 2024 | 3         | 1                 | 41885        | 0                   | 2             | 74                | 2.33                         | 0.34                      | 61.73              | 39.03                      | 0.065454                        |
| 2024 | 3         | 1                 | 73124        | 0                   | 2             | 320               | 2.66                         | 0.36                      | 46.18              | 24.58                      | 0.046874                        |
| 2024 | 3         | 1                 | 15469        | 0                   | 2             | 274               | 1.45                         | 0.81                      | 52.41              | 51.98                      | 0.049543                        |
| 2024 | 3         | 1                 | 25754        | 2575404             | 2             | 245               | 2.57                         | 0.53                      | 37.79              | 32.54                      | 0.056201                        |
| 2024 | 3         | 1                 | 85440        | 0                   | 2             | 526               | 1.64                         | 0.65                      | 51.10              | 37.08                      | 0.043318                        |
| 2024 | 3         | 1                 | 76001        | 7600121             | 2             | 323               | 1.58                         | 0.31                      | 51.99              | 36.58                      | 0.048010                        |
| 2024 | 3         | 1                 | 15455        | 0                   | 2             | 187               | 0.82                         | 0.81                      | 51.24              | 46.48                      | 0.046465                        |
| 2024 | 3         | 1                 | 68444        | 0                   | 3             | 953               | 15.44                        | 4.55                      | 34.72              | 12.16                      | 0.023877                        |
| 2024 | 3         | 1                 | 81591        | 0                   | 3             | 1080              | 7.78                         | 5.07                      | 68.02              | 13.55                      | 0.057491                        |
| 2024 | 3         | 1                 | 25754        | 2575402             | 2             | 1336              | 2.77                         | 0.35                      | 40.98              | 31.00                      | 0.061448                        |
| 2024 | 3         | 1                 | 85300        | 0                   | 3             | 1407              | 14.72                        | 2.67                      | 40.72              | 13.89                      | 0.041742                        |
| 2024 | 3         | 1                 | 19455        | 0                   | 2             | 471               | 1.83                         | 0.34                      | 55.71              | 27.84                      | 0.040082                        |
| 2024 | 3         | 1                 | 25781        | 0                   | 2             | 97                | 2.12                         | 1.03                      | 40.32              | 32.41                      | 0.094923                        |
| 2024 | 3         | 1                 | 5674         | 0                   | 2             | 83                | 1.21                         | 0.30                      | 53.80              | 34.92                      | 0.054218                        |
| 2024 | 3         | 1                 | 68377        | 0                   | 2             | 189               | 1.01                         | 0.51                      | 57.00              | 31.89                      | 0.019420                        |
| 2024 | 3         | 1                 | 47258        | 0                   | 2             | 100               | 2.28                         | 0.28                      | 50.61              | 32.08                      | 0.026699                        |
| 2024 | 3         | 1                 | 85263        | 0                   | 2             | 108               | 1.24                         | 0.55                      | 54.58              | 48.73                      | 0.043426                        |
| 2024 | 3         | 1                 | 25040        | 0                   | 2             | 189               | 1.00                         | 0.65                      | 47.67              | 43.14                      | 0.029650                        |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIMESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COMUNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD_DESCARGA | INDICADOR_VELOCIDAD_AD_CARGA | INDICADOR_LATENCIA | INDICADOR_FLUCTUACION_FASE | INDICADOR_TASA_PERDIDA_PAQUETES |
|------|-----------|-------------------|--------------|---------------------|---------------|-------------------|------------------------------|------------------------------|--------------------|----------------------------|---------------------------------|
| 2024 | 3         | 1                 | 81065        | 0                   | 2             | 166               | 1.14                         | 0.34                         | 70.02              | 51.15                      | 0.034995                        |
| 2024 | 3         | 1                 | 25035        | 0                   | 2             | 445               | 2.69                         | 0.87                         | 42.51              | 31.87                      | 0.031344                        |
| 2024 | 3         | 1                 | 25839        | 0                   | 2             | 424               | 1.81                         | 0.88                         | 50.00              | 45.60                      | 0.062480                        |
| 2024 | 3         | 1                 | 5670         | 0                   | 2             | 218               | 0.49                         | 0.24                         | 65.40              | 51.88                      | 0.038063                        |
| 2024 | 3         | 1                 | 27205        | 0                   | 2             | 62                | 0.85                         | 0.31                         | 59.03              | 39.28                      | 0.039423                        |
| 2024 | 3         | 1                 | 86760        | 0                   | 2             | 117               | 1.71                         | 0.71                         | 60.40              | 42.48                      | 0.034652                        |
| 2024 | 3         | 1                 | 5088         | 0508802             | 2             | 591               | 3.11                         | 0.34                         | 47.73              | 22.93                      | 0.060576                        |
| 2024 | 3         | 1                 | 68432        | 0                   | 2             | 228               | 1.15                         | 0.38                         | 55.32              | 41.28                      | 0.035293                        |
| 2024 | 3         | 1                 | 73001        | 7300111             | 2             | 243               | 3.11                         | 0.38                         | 41.87              | 34.89                      | 0.109332                        |
| 2024 | 3         | 1                 | 5031         | 0                   | 2             | 135               | 0.83                         | 0.26                         | 52.90              | 38.72                      | 0.020698                        |
| 2024 | 3         | 1                 | 47030        | 0                   | 2             | 119               | 1.20                         | 0.30                         | 55.33              | 39.68                      | 0.031071                        |
| 2024 | 3         | 1                 | 15764        | 0                   | 2             | 162               | 3.47                         | 1.00                         | 38.79              | 33.83                      | 0.022737                        |
| 2024 | 3         | 1                 | 25885        | 0                   | 2             | 141               | 1.03                         | 0.52                         | 47.66              | 34.89                      | 0.038606                        |
| 2024 | 3         | 1                 | 25001        | 0                   | 2             | 65                | 1.62                         | 0.49                         | 47.18              | 44.70                      | 0.066101                        |
| 2024 | 3         | 1                 | 15248        | 0                   | 2             | 34                | 1.12                         | 0.78                         | 72.09              | 28.90                      | 0.028620                        |
| 2024 | 3         | 1                 | 25793        | 0                   | 2             | 139               | 1.02                         | 0.96                         | 51.83              | 40.42                      | 0.019409                        |
| 2024 | 3         | 1                 | 73283        | 0                   | 2             | 190               | 1.30                         | 0.52                         | 49.54              | 32.90                      | 0.045657                        |
| 2024 | 3         | 1                 | 73352        | 0                   | 2             | 127               | 2.36                         | 0.67                         | 44.86              | 37.58                      | 0.048773                        |
| 2024 | 3         | 1                 | 25841        | 0                   | 2             | 110               | 0.56                         | 0.82                         | 48.22              | 46.39                      | 0.031876                        |
| 2024 | 3         | 1                 | 20175        | 0                   | 2             | 207               | 2.09                         | 0.26                         | 52.16              | 41.79                      | 0.046197                        |
| 2024 | 3         | 1                 | 25777        | 0                   | 3             | 2741              | 11.99                        | 3.84                         | 40.96              | 13.87                      | 0.039081                        |
| 2024 | 3         | 1                 | 5480         | 0                   | 2             | 125               | 0.87                         | 0.59                         | 60.73              | 57.49                      | 0.030180                        |
| 2024 | 3         | 1                 | 68001        | 6800105             | 2             | 261               | 4.77                         | 0.36                         | 44.57              | 23.56                      | 0.067858                        |
| 2024 | 3         | 1                 | 19450        | 0                   | 2             | 86                | 2.96                         | 0.31                         | 56.54              | 25.31                      | 0.055769                        |
| 2024 | 3         | 1                 | 5483         | 0                   | 2             | 123               | 0.90                         | 0.29                         | 75.10              | 47.68                      | 0.017362                        |
| 2024 | 3         | 1                 | 68684        | 0                   | 2             | 39                | 0.64                         | 0.75                         | 55.37              | 49.49                      | 0.035161                        |
| 2024 | 3         | 1                 | 5440         | 0                   | 2             | 351               | 1.33                         | 0.30                         | 53.88              | 35.52                      | 0.064189                        |
| 2024 | 3         | 1                 | 19050        | 0                   | 2             | 47                | 1.55                         | 0.32                         | 72.27              | 39.08                      | 0.046561                        |
| 2024 | 3         | 1                 | 20621        | 0                   | 2             | 303               | 1.19                         | 0.34                         | 56.71              | 40.32                      | 0.039393                        |
| 2024 | 3         | 1                 | 52051        | 0                   | 2             | 47                | 2.35                         | 0.58                         | 58.49              | 30.36                      | 0.029429                        |
| 2024 | 3         | 1                 | 50450        | 0                   | 2             | 54                | 0.47                         | 0.45                         | 68.64              | 59.65                      | 0.025767                        |
| 2024 | 3         | 1                 | 25398        | 0                   | 2             | 154               | 1.12                         | 0.50                         | 45.36              | 40.31                      | 0.036092                        |
| 2024 | 3         | 1                 | 54261        | 0                   | 2             | 203               | 0.79                         | 0.32                         | 55.54              | 38.64                      | 0.033730                        |
| 2024 | 3         | 1                 | 54800        | 0                   | 2             | 21                | 0.97                         | 0.40                         | 64.61              | 50                         | 0.036506                        |
| 2024 | 3         | 1                 | 15632        | 0                   | 2             | 90                | 1.47                         | 0.69                         | 49.05              | 53.54                      | 0.034011                        |
| 2024 | 3         | 1                 | 54377        | 0                   | 2             | 23                | 0.73                         | 0.44                         | 67.42              | 55.23                      | 0.002158                        |
| 2024 | 3         | 1                 | 5212         | 0                   | 2             | 1273              | 2.70                         | 0.35                         | 49.23              | 27.91                      | 0.063717                        |
| 2024 | 3         | 1                 | 5660         | 0                   | 2             | 185               | 2.48                         | 0.51                         | 57.56              | 44.71                      | 0.053802                        |
| 2024 | 3         | 1                 | 17042        | 0                   | 2             | 306               | 1.66                         | 0.37                         | 55.29              | 34.72                      | 0.060668                        |
| 2024 | 3         | 1                 | 52227        | 0                   | 2             | 187               | 2.48                         | 0.31                         | 58.60              | 35.55                      | 0.046524                        |
| 2024 | 3         | 1                 | 73349        | 0                   | 2             | 284               | 1.90                         | 0.51                         | 43.87              | 36.89                      | 0.039694                        |
| 2024 | 3         | 1                 | 5861         | 0                   | 2             | 284               | 1.41                         | 0.34                         | 58.37              | 32.53                      | 0.039471                        |
| 2024 | 3         | 1                 | 15272        | 0                   | 2             | 149               | 1.06                         | 0.71                         | 51.36              | 39.95                      | 0.039278                        |
| 2024 | 3         | 1                 | 25862        | 0                   | 2             | 167               | 0.83                         | 0.78                         | 46.04              | 36.92                      | 0.039120                        |
| 2024 | 3         | 1                 | 50590        | 0                   | 2             | 120               | 0.71                         | 0.58                         | 55.88              | 54.40                      | 0.040741                        |
| 2024 | 3         | 1                 | 41483        | 0                   | 2             | 130               | 0.99                         | 0.90                         | 47.91              | 43.52                      | 0.019728                        |
| 2024 | 3         | 1                 | 73043        | 0                   | 3             | 1056              | 16.66                        | 4.96                         | 32.86              | 14.69                      | 0.045571                        |
| 2024 | 3         | 1                 | 54001        | 5400105             | 2             | 633               | 3.85                         | 0.39                         | 44.20              | 23.84                      | 0.077164                        |
| 2024 | 3         | 1                 | 44098        | 0                   | 2             | 153               | 2.86                         | 0.34                         | 55.60              | 34.62                      | 0.056010                        |
| 2024 | 3         | 1                 | 66045        | 0                   | 2             | 45                | 1.48                         | 0.31                         | 61.60              | 35.93                      | 0.042063                        |
| 2024 | 3         | 1                 | 20045        | 0                   | 2             | 248               | 0.78                         | 0.29                         | 60.93              | 43.61                      | 0.059494                        |
| 2024 | 3         | 1                 | 54001        | 5400103             | 2             | 379               | 3.17                         | 0.38                         | 45.27              | 31.98                      | 0.069552                        |
| 2024 | 3         | 1                 | 91001        | 0                   | 2             | 312               | 1.23                         | 0.32                         | 134.70             | 24.93                      | 0.037078                        |
| 2024 | 3         | 1                 | 41132        | 0                   | 2             | 160               | 0.90                         | 0.30                         | 63.13              | 48.86                      | 0.025484                        |
| 2024 | 3         | 1                 | 5893         | 0                   | 2             | 121               | 1.11                         | 0.30                         | 73.73              | 60.44                      | 0.021620                        |
| 2024 | 3         | 1                 | 8606         | 0                   | 2             | 100               | 1.17                         | 0.28                         | 56.01              | 43.12                      | 0.100939                        |
| 2024 | 3         | 1                 | 23466        | 0                   | 2             | 428               | 1.65                         | 0.32                         | 88.04              | 47.45                      | 0.035782                        |
| 2024 | 3         | 1                 | 41548        | 0                   | 2             | 160               | 0.92                         | 0.66                         | 56.66              | 36.27                      | 0.035842                        |
| 2024 | 3         | 1                 | 5088         | 0508804             | 2             | 1049              | 3.02                         | 0.32                         | 47.68              | 29.30                      | 0.055539                        |
| 2024 | 3         | 1                 | 73585        | 0                   | 2             | 197               | 2.22                         | 0.32                         | 49.50              | 40.77                      | 0.037835                        |
| 2024 | 3         | 1                 | 5490         | 0                   | 2             | 336               | 1.09                         | 0.26                         | 67.42              | 47.84                      | 0.037836                        |
| 2024 | 3         | 1                 | 5190         | 0                   | 2             | 103               | 0.81                         | 0.86                         | 58.80              | 51.16                      | 0.016045                        |
| 2024 | 3         | 1                 | 18410        | 0                   | 2             | 98                | 1.49                         | 0.29                         | 64.72              | 42.74                      | 0.044371                        |
| 2024 | 3         | 1                 | 23168        | 0                   | 2             | 42                | 1.56                         | 0.25                         | 51.45              | 53.57                      | 0.021316                        |
| 2024 | 3         | 1                 | 23678        | 0                   | 2             | 189               | 0.77                         | 0.36                         | 60.35              | 43.11                      | 0.025330                        |
| 2024 | 3         | 1                 | 18756        | 0                   | 2             | 71                | 1.35                         | 0.21                         | 64.79              | 46.45                      | 0.021666                        |
| 2024 | 3         | 1                 | 17272        | 0                   | 2             | 148               | 1.67                         | 0.32                         | 60.48              | 33.62                      | 0.062870                        |
| 2024 | 3         | 1                 | 13650        | 0                   | 2             | 53                | 1.34                         | 0.27                         | 64.61              | 52.27                      | 0.033875                        |
| 2024 | 3         | 1                 | 66400        | 0                   | 2             | 279               | 1.62                         | 0.36                         | 56.57              | 31.05                      | 0.057106                        |
| 2024 | 3         | 1                 | 25769        | 0                   | 2             | 138               | 1.84                         | 0.33                         | 49.62              | 40.75                      | 0.066346                        |
| 2024 | 3         | 1                 | 54480        | 0                   | 2             | 59                | 1.26                         | 0.71                         | 50.10              | 42.12                      | 0.042584                        |
| 2024 | 3         | 1                 | 19110        | 0                   | 2             | 69                | 0.58                         | 0.55                         | 68.16              | 45.55                      | 0.048167                        |
| 2024 | 3         | 1                 | 15621        | 0                   | 2             | 104               | 1.31                         | 0.72                         | 46.58              | 33.75                      | 0.020572                        |
| 2024 | 3         | 1                 | 23350        | 0                   | 2             | 77                | 1.52                         | 0.34                         | 62.36              | 34.70                      | 0.040821                        |
| 2024 | 3         | 1                 | 25572        | 0                   | 2             | 331               | 2.13                         | 0.36                         | 59.71              | 42.38                      | 0.064680                        |
| 2024 | 3         | 1                 | 70702        | 0                   | 2             | 100               | 1.14                         | 0.26                         | 57.80              | 38.90                      | 0.084386                        |
| 2024 | 3         | 1                 | 86320        | 0                   | 2             | 250               | 2.19                         | 0.34                         | 58.07              | 29.58                      | 0.067071                        |
| 2024 | 3         | 1                 | 25299        | 0                   | 2             | 78                | 0.85                         | 0.70                         | 52.90              | 44.90                      | 0.033719                        |
| 2024 | 3         | 1                 | 15861        | 0                   | 2             | 258               | 1.67                         | 0.97                         | 41.67              | 30.77                      | 0.047000                        |
| 2024 | 3         | 1                 | 15837        | 0                   | 2             | 157               | 0.76                         | 0.70                         | 55.28              | 50.87                      | 0.039096                        |
| 2024 | 3         | 1                 | 54051        | 0                   | 2             | 52                | 0.42                         | 0.24                         | 58.45              | 43.81                      | 0.028775                        |
| 2024 | 3         | 1                 | 5591         | 0                   | 2             | 178               | 1.43                         | 0.24                         | 61.52              | 45.51                      | 0.046488                        |
| 2024 | 3         | 1                 | 15047        | 0                   | 2             | 149               | 1.04                         | 0.97                         | 48.78              | 40.68                      | 0.033166                        |
| 2024 | 3         | 1                 | 15542        | 0                   | 2             | 84                | 0.82                         | 0.60                         | 68.78              | 44.03                      | 0.015158                        |
| 2024 | 3         | 1                 | 54206        | 0                   | 2             | 151               | 0.80                         | 0.82                         | 63.66              | 49.50                      | 0.018187                        |
| 2024 | 3         | 1                 | 19573        | 0                   | 2             | 321               | 2.05                         | 0.34                         | 53.64              | 36.52                      | 0.036308                        |
| 2024 | 3         | 1                 | 23001        | 2300105             | 2             | 750               | 3.83                         | 0.39                         | 53.18              | 21.73                      | 0.066473                        |
| 2024 | 3         | 1                 | 73067        | 0                   | 3             | 2264              | 21.02                        | 4.46                         | 36.80              | 14.81                      | 0.032920                        |
| 2024 | 3         | 1                 | 19075        | 0                   | 2             | 80                | 1.26                         | 0.28                         | 54.18              | 34.79                      | 0.037131                        |
| 2024 | 3         | 1                 | 15051        | 0                   | 2             | 161               | 1.32                         | 0.74                         | 52.43              | 40.37                      | 0.043914                        |
| 2024 | 3         | 1                 | 44650        | 0                   | 2             | 385               | 1.34                         | 0.29                         | 60.90              | 39.43                      | 0.057199                        |
| 2024 | 3         | 1                 | 15244        | 0                   | 2             | 70                | 0.96                         | 0.75                         | 59.51              | 43.68                      | 0.022491                        |
| 2024 | 3         | 1                 | 25736        | 0                   | 2             | 133               | 1.75                         | 0.34                         | 44.22              | 41.23                      | 0.059530                        |
| 2024 | 3         | 1                 | 8141         | 0                   | 2             | 38                | 1.40                         | 0.35                         | 52.74              | 38.34                      | 0.065374                        |
| 2024 | 3         | 1                 | 5093         | 0                   | 3             | 1421              | 4.94                         | 5.33                         | 31.07              | 9.85                       | 0.053304                        |
| 2024 | 3         | 1                 | 25053        | 0                   | 2             | 173               | 1.67                         | 0.86                         | 55.47              | 43.35                      | 0.051160                        |
| 2024 | 3         | 1                 | 5148         | 0                   | 2             | 508               | 1.29                         | 0.34                         | 56.46              | 39.96                      | 0.034687                        |
| 2024 | 3         | 1                 | 23001        | 2300101             | 2             | 346               | 2.14                         | 0.35                         | 53.11              | 24.43                      | 0.055568                        |
| 2024 | 3         | 1                 | 63690        | 0                   | 2             | 385               | 4.00                         | 0.33                         | 54.05              | 20.38                      | 0.049949                        |
| 2024 | 3         | 1                 | 73001        | 7300103             | 2             | 414               | 3.98                         | 0.36                         | 39.66              | 24.39                      | 0.085059                        |
| 2024 | 3         | 1                 | 5315         | 0                   | 2             | 175               | 1.61                         | 0.96                         | 48.84              | 28.34                      | 0.064276                        |
| 2024 | 3         | 1                 | 5837         | 0                   | 2             | 848               | 0.81                         | 0.28                         | 64.38              | 43.27                      | 0.045007                        |
| 2024 | 3         | 1                 | 19532        | 0                   | 2             | 228               | 1.42                         | 0.28                         | 58.95              | 44.54                      | 0.043837                        |
| 2024 | 3         | 1                 | 25339        | 0                   | 2             | 90                | 1.50                         | 0.96                         | 58.42              | 35.02                      | 0.027420                        |





INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIMESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COMUNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD_DESCARGA | INDICADOR_VELOCIDAD_CARGA | INDICADOR_LATENCIA | INDICADOR_FLUCTUACION_FASE | INDICADOR_TASA_PERDIDA_PAQUETES |
|------|-----------|-------------------|--------------|---------------------|---------------|-------------------|------------------------------|---------------------------|--------------------|----------------------------|---------------------------------|
| 2024 | 3         | 1                 | 86757        | 0                   | 2             | 86                | 0.95                         | 0.65                      | 64.02              | 54.84                      | 0.033134                        |
| 2024 | 3         | 1                 | 18247        | 0                   | 2             | 53                | 1.83                         | 0.40                      | 57.87              | 23.91                      | 0.063239                        |
| 2024 | 3         | 1                 | 23001        | 2300109             | 2             | 127               | 2.35                         | 0.37                      | 56.10              | 27.36                      | 0.080356                        |
| 2024 | 3         | 1                 | 52838        | 0                   | 2             | 161               | 1.16                         | 0.30                      | 60.94              | 45.44                      | 0.053095                        |
| 2024 | 3         | 1                 | 17867        | 0                   | 2             | 211               | 2.71                         | 0.50                      | 65.21              | 32.05                      | 0.039730                        |
| 2024 | 3         | 1                 | 25662        | 0                   | 2             | 185               | 2.26                         | 0.70                      | 45.19              | 38.55                      | 0.049743                        |
| 2024 | 3         | 1                 | 41807        | 0                   | 2             | 78                | 1.57                         | 0.38                      | 61.39              | 45.11                      | 0.035443                        |
| 2024 | 3         | 1                 | 76863        | 0                   | 2             | 25                | 0.84                         | 0.85                      | 67.15              | 39.74                      | 0.061829                        |
| 2024 | 3         | 1                 | 86001        | 0                   | 2             | 479               | 2.12                         | 0.35                      | 55.31              | 43.08                      | 0.051665                        |
| 2024 | 3         | 1                 | 41770        | 0                   | 2             | 87                | 1.28                         | 0.26                      | 62.73              | 42.36                      | 0.039327                        |
| 2024 | 3         | 1                 | 76403        | 0                   | 2             | 152               | 1.81                         | 0.44                      | 58.62              | 43.26                      | 0.041116                        |
| 2024 | 3         | 1                 | 73024        | 0                   | 2             | 139               | 2.78                         | 0.65                      | 44.97              | 39.96                      | 0.024381                        |
| 2024 | 3         | 1                 | 15806        | 0                   | 2             | 247               | 2.13                         | 0.95                      | 46.22              | 33.10                      | 0.039187                        |
| 2024 | 3         | 1                 | 68229        | 0                   | 2             | 81                | 2.56                         | 0.34                      | 49.41              | 31.11                      | 0.035200                        |
| 2024 | 3         | 1                 | 70110        | 0                   | 2             | 114               | 1.71                         | 0.38                      | 52.12              | 37.45                      | 0.018930                        |
| 2024 | 3         | 1                 | 25200        | 0                   | 2             | 340               | 1.48                         | 0.34                      | 46.14              | 38.61                      | 0.045435                        |
| 2024 | 3         | 1                 | 54172        | 0                   | 2             | 370               | 1.79                         | 0.37                      | 54.23              | 47.20                      | 0.030728                        |
| 2024 | 3         | 1                 | 13440        | 0                   | 2             | 68                | 1.40                         | 0.31                      | 55.04              | 26.76                      | 0.056762                        |
| 2024 | 3         | 1                 | 15638        | 0                   | 2             | 163               | 1.12                         | 1.02                      | 44.22              | 36.66                      | 0.042152                        |
| 2024 | 3         | 1                 | 76736        | 0                   | 2             | 173               | 2.05                         | 0.31                      | 58.86              | 37.34                      | 0.029401                        |
| 2024 | 3         | 1                 | 5665         | 0                   | 2             | 201               | 1.46                         | 0.32                      | 68.82              | 38.36                      | 0.038403                        |
| 2024 | 3         | 1                 | 81794        | 0                   | 2             | 404               | 0.90                         | 0.32                      | 58.60              | 47.96                      | 0.061351                        |
| 2024 | 3         | 1                 | 25491        | 0                   | 2             | 139               | 1.42                         | 0.84                      | 45.88              | 37.01                      | 0.054644                        |
| 2024 | 3         | 1                 | 68001        | -1                  | 2             | 316               | 3.92                         | 0.36                      | 46.12              | 28.62                      | 0.065802                        |
| 2024 | 3         | 1                 | 25123        | 0                   | 2             | 229               | 0.77                         | 0.73                      | 46.89              | 43.11                      | 0.027508                        |
| 2024 | 3         | 1                 | 17486        | 0                   | 2             | 334               | 1.39                         | 0.27                      | 58.46              | 29.76                      | 0.039710                        |
| 2024 | 3         | 1                 | 15500        | 0                   | 2             | 90                | 1.94                         | 0.79                      | 44.19              | 43.44                      | 0.035623                        |
| 2024 | 3         | 1                 | 15804        | 0                   | 2             | 111               | 1.32                         | 0.76                      | 49.06              | 46.22                      | 0.019915                        |
| 2024 | 3         | 1                 | 70670        | 0                   | 2             | 190               | 1.19                         | 0.33                      | 58.73              | 40.73                      | 0.033864                        |
| 2024 | 3         | 1                 | 66440        | 0                   | 2             | 100               | 1.48                         | 0.29                      | 59.48              | 38.77                      | 0.028247                        |
| 2024 | 3         | 1                 | 47692        | 0                   | 2             | 98                | 0.65                         | 0.34                      | 71.79              | 49.26                      | 0.050665                        |
| 2024 | 3         | 1                 | 73236        | 0                   | 2             | 47                | 1.71                         | 0.38                      | 46                 | 33.98                      | 0.055408                        |
| 2024 | 3         | 1                 | 19845        | 0                   | 2             | 171               | 1.69                         | 0.26                      | 52.38              | 34.08                      | 0.069427                        |
| 2024 | 3         | 1                 | 27810        | 0                   | 3             | 2043              | 15.00                        | 5.46                      | 42.66              | 14.99                      | 0.033023                        |
| 2024 | 3         | 1                 | 15681        | 0                   | 2             | 90                | 0.76                         | 0.86                      | 48.28              | 68.61                      | 0.020806                        |
| 2024 | 3         | 1                 | 27006        | 0                   | 2             | 101               | 1.08                         | 0.28                      | 74.81              | 46.83                      | 0.060978                        |
| 2024 | 3         | 1                 | 19212        | 0                   | 2             | 73                | 1.55                         | 0.28                      | 55.71              | 33.40                      | 0.018076                        |
| 2024 | 3         | 1                 | 27450        | 0                   | 3             | 616               | 21.20                        | 6.00                      | 40.62              | 12.05                      | 0.027339                        |
| 2024 | 3         | 1                 | 70742        | 0                   | 2             | 108               | 1.61                         | 0.31                      | 59.41              | 40.15                      | 0.032211                        |
| 2024 | 3         | 1                 | 25320        | 0                   | 2             | 621               | 1.29                         | 0.78                      | 47.02              | 45.28                      | 0.043921                        |
| 2024 | 3         | 1                 | 68820        | 0                   | 2             | 246               | 1.08                         | 0.36                      | 54.79              | 41.01                      | 0.013726                        |
| 2024 | 3         | 1                 | 19300        | 0                   | 2             | 134               | 2.41                         | 0.29                      | 51.83              | 29.90                      | 0.033932                        |
| 2024 | 3         | 1                 | 68296        | 0                   | 2             | 30                | 2.23                         | 0.86                      | 47.95              | 51.91                      | 0.035157                        |
| 2024 | 3         | 1                 | 25372        | 0                   | 2             | 181               | 1.62                         | 0.74                      | 69.65              | 39.20                      | 0.033034                        |
| 2024 | 3         | 1                 | 25328        | 0                   | 2             | 45                | 1.33                         | 0.68                      | 50.88              | 32.88                      | 0.049435                        |
| 2024 | 3         | 1                 | 73001        | 7300113             | 2             | 206               | 2.55                         | 0.37                      | 42.96              | 32.48                      | 0.036819                        |
| 2024 | 3         | 1                 | 41016        | 0                   | 2             | 158               | 1.99                         | 0.31                      | 50.12              | 44.96                      | 0.040477                        |
| 2024 | 3         | 1                 | 27800        | 0                   | 2             | 118               | 1.70                         | 0.86                      | 63.60              | 36                         | 0.023554                        |
| 2024 | 3         | 1                 | 5579         | 0                   | 2             | 381               | 1.98                         | 0.36                      | 57.36              | 43.31                      | 0.053017                        |
| 2024 | 3         | 1                 | 54001        | 5400108             | 2             | 474               | 1.76                         | 0.39                      | 47.69              | 32.97                      | 0.042300                        |
| 2024 | 3         | 1                 | 19622        | 0                   | 2             | 74                | 0.89                         | 0.26                      | 54.36              | 39.15                      | 0.028073                        |
| 2024 | 3         | 1                 | 73411        | 0                   | 2             | 305               | 1.87                         | 0.34                      | 46.68              | 28.84                      | 0.044345                        |
| 2024 | 3         | 1                 | 68051        | 0                   | 2             | 180               | 3.08                         | 0.48                      | 46.27              | 35.41                      | 0.049543                        |
| 2024 | 3         | 1                 | 68001        | 6800117             | 2             | 178               | 2.70                         | 0.31                      | 47.65              | 38.57                      | 0.058145                        |
| 2024 | 3         | 1                 | 5197         | 0                   | 2             | 207               | 1.17                         | 0.52                      | 54.95              | 44.64                      | 0.052035                        |
| 2024 | 3         | 1                 | 8137         | 0                   | 2             | 54                | 1.19                         | 0.28                      | 53.05              | 33.92                      | 0.056232                        |
| 2024 | 3         | 1                 | 19807        | 0                   | 2             | 149               | 1.72                         | 0.27                      | 49.59              | 31.09                      | 0.063122                        |
| 2024 | 3         | 1                 | 15466        | 0                   | 2             | 28                | 1.49                         | 0.74                      | 44.23              | 35.03                      | 0.060747                        |
| 2024 | 3         | 1                 | 50711        | 0                   | 2             | 97                | 1.09                         | 0.81                      | 55.20              | 42.56                      | 0.022937                        |
| 2024 | 3         | 1                 | 5400         | 0                   | 2             | 198               | 0.96                         | 0.29                      | 63.81              | 42.04                      | 0.034130                        |
| 2024 | 3         | 1                 | 76001        | 7600103             | 2             | 1882              | 4.43                         | 0.35                      | 49.33              | 23.17                      | 0.074812                        |
| 2024 | 3         | 1                 | 66075        | 0                   | 2             | 172               | 4.17                         | 0.39                      | 55.98              | 24.28                      | 0.105099                        |
| 2024 | 3         | 1                 | 50350        | 0                   | 2             | 235               | 1.33                         | 0.70                      | 62.52              | 41.56                      | 0.028294                        |
| 2024 | 3         | 1                 | 73675        | 0                   | 2             | 77                | 0.53                         | 0.28                      | 59.66              | 43.75                      | 0.013012                        |
| 2024 | 3         | 1                 | 15580        | 0                   | 2             | 72                | 1.43                         | 0.57                      | 45.08              | 42.54                      | 0.025955                        |
| 2024 | 3         | 1                 | 52696        | 0                   | 2             | 15                | 1.43                         | 0.26                      | 66.19              | 40.25                      | 0.037581                        |
| 2024 | 3         | 1                 | 17777        | 0                   | 2             | 98                | 0.70                         | 0.26                      | 65.46              | 53.63                      | 0.051166                        |
| 2024 | 3         | 1                 | 13433        | 0                   | 2             | 228               | 0.95                         | 0.28                      | 60.73              | 51.27                      | 0.033136                        |
| 2024 | 3         | 1                 | 5697         | 0                   | 2             | 178               | 1.02                         | 0.30                      | 55.54              | 36.95                      | 0.052253                        |
| 2024 | 3         | 1                 | 50330        | 0                   | 2             | 94                | 1.04                         | 0.46                      | 56.30              | 49.27                      | 0.044600                        |
| 2024 | 3         | 1                 | 86885        | 0                   | 2             | 366               | 1.54                         | 0.40                      | 55.04              | 29.65                      | 0.058346                        |
| 2024 | 3         | 1                 | 15599        | 0                   | 2             | 88                | 1.27                         | 0.78                      | 43.18              | 49.09                      | 0.028531                        |
| 2024 | 3         | 1                 | 17877        | 0                   | 2             | 141               | 3.26                         | 0.33                      | 56.38              | 23.46                      | 0.050414                        |
| 2024 | 3         | 1                 | 23586        | 0                   | 2             | 25                | 0.81                         | 0.73                      | 48.17              | 40.46                      | 0.042866                        |
| 2024 | 3         | 1                 | 76001        | 7600109             | 2             | 1069              | 3.84                         | 0.35                      | 50.37              | 21.52                      | 0.074901                        |
| 2024 | 3         | 1                 | 73001        | 7300102             | 2             | 223               | 3.09                         | 0.36                      | 41.68              | 28.85                      | 0.087245                        |
| 2024 | 3         | 1                 | 44078        | 0                   | 2             | 174               | 1.46                         | 0.29                      | 61.00              | 42.15                      | 0.049371                        |
| 2024 | 3         | 1                 | 68418        | 0                   | 2             | 167               | 2.01                         | 0.30                      | 52.02              | 46.10                      | 0.046377                        |
| 2024 | 3         | 1                 | 8558         | 0                   | 2             | 31                | 1.42                         | 0.33                      | 49.94              | 38.30                      | 0.064005                        |
| 2024 | 3         | 1                 | 47660        | 0                   | 2             | 139               | 0.91                         | 0.32                      | 54.70              | 40.03                      | 0.063326                        |
| 2024 | 3         | 1                 | 13647        | 0                   | 2             | 98                | 1.03                         | 0.34                      | 53.73              | 37.15                      | 0.084855                        |
| 2024 | 3         | 1                 | 85250        | 0                   | 2             | 377               | 1.14                         | 0.35                      | 54.61              | 43.37                      | 0.048747                        |
| 2024 | 3         | 1                 | 66687        | 0                   | 2             | 44                | 1.26                         | 0.26                      | 60.13              | 51.28                      | 0.072683                        |
| 2024 | 3         | 1                 | 20060        | 0                   | 2             | 350               | 1.21                         | 0.30                      | 52.74              | 37.99                      | 0.049130                        |
| 2024 | 3         | 1                 | 18460        | 0                   | 2             | 14                | 1.10                         | 0.31                      | 70.09              | 60.34                      | 0.022071                        |
| 2024 | 3         | 1                 | 5679         | 0                   | 2             | 177               | 1.96                         | 0.31                      | 53.26              | 45.51                      | 0.052707                        |
| 2024 | 3         | 1                 | 54099        | 0                   | 2             | 84                | 1.20                         | 0.43                      | 53.60              | 52.47                      | 0.024757                        |
| 2024 | 3         | 1                 | 54660        | 0                   | 2             | 113               | 1.33                         | 0.27                      | 59.30              | 52.50                      | 0.021698                        |
| 2024 | 3         | 1                 | 47268        | 0                   | 2             | 67                | 1.31                         | 0.32                      | 49.61              | 39.08                      | 0.065459                        |
| 2024 | 3         | 1                 | 85162        | 0                   | 2             | 330               | 1.92                         | 0.55                      | 50.47              | 37.29                      | 0.052305                        |
| 2024 | 3         | 1                 | 18753        | 0                   | 2             | 150               | 1.53                         | 0.31                      | 60.68              | 29.82                      | 0.058652                        |
| 2024 | 3         | 1                 | 5264         | 0                   | 2             | 168               | 1.15                         | 0.26                      | 51.60              | 39.76                      | 0.030601                        |
| 2024 | 3         | 1                 | 70708        | 0                   | 2             | 240               | 1.26                         | 0.32                      | 54.88              | 42.94                      | 0.046705                        |
| 2024 | 3         | 1                 | 68770        | 0                   | 2             | 322               | 1.40                         | 0.68                      | 50.76              | 38.70                      | 0.028664                        |
| 2024 | 3         | 1                 | 5088         | 0508807             | 2             | 319               | 2.74                         | 0.31                      | 47.93              | 28.53                      | 0.066519                        |
| 2024 | 3         | 1                 | 73152        | 0                   | 2             | 44                | 1.62                         | 0.41                      | 54.08              | 21.87                      | 0.049532                        |
| 2024 | 3         | 1                 | 5390         | 0                   | 2             | 90                | 2.21                         | 0.32                      | 55.86              | 30.39                      | 0.066007                        |
| 2024 | 3         | 1                 | 15753        | 0                   | 2             | 246               | 1.19                         | 0.85                      | 50.53              | 39.16                      | 0.028771                        |
| 2024 | 3         | 1                 | 15763        | 0                   | 2             | 204               | 0.87                         | 0.79                      | 56.65              | 43.71                      | 0.023231                        |
| 2024 | 3         | 1                 | 54174        | 0                   | 2             | 122               | 1.26                         | 0.94                      | 50.47              | 31.91                      | 0.015732                        |
| 2024 | 3         | 1                 | 68001        | 6800111             | 2             | 240               | 3.25                         | 0.33                      | 46.33              | 25.61                      | 0.063828                        |
| 2024 | 3         | 1                 | 66383        | 0                   | 2             | 85                | 1.03                         | 0.68                      | 61.25              | 42.76                      | 0.051900                        |
| 2024 | 3         | 1                 | 25288        | 0                   | 2             | 95                | 0.81                         | 0.69                      | 50.71              | 54.17                      | 0.047338                        |
| 2024 | 3         | 1                 | 23300        | 0                   | 2             | 74                | 0.96                         | 0.28                      | 54.50              | 44.05                      | 0.035790                        |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIMESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COMUNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD_DESCARGA | INDICADOR_VELOCIDAD_AD_CARGA | INDICADOR_LATENCIA | INDICADOR_FLUCTUACION_FASE | INDICADOR_TASA_PERDIDA_PAQU |
|------|-----------|-------------------|--------------|---------------------|---------------|-------------------|------------------------------|------------------------------|--------------------|----------------------------|-----------------------------|
| 2024 | 3         | 1                 | 27413        | 0                   | 3             | 1231              | 16.49                        | 6.81                         | 44.65              | 11.46                      | 0.026326                    |
| 2024 | 3         | 1                 | 52435        | 0                   | 2             | 103               | 1.38                         | 0.39                         | 59.31              | 55.84                      | 0.048621                    |
| 2024 | 3         | 1                 | 19701        | 0                   | 2             | 174               | 1.12                         | 0.36                         | 64.51              | 40.41                      | 0.035798                    |
| 2024 | 3         | 1                 | 68079        | 0                   | 2             | 90                | 0.87                         | 0.50                         | 57.43              | 57.94                      | 0.035870                    |
| 2024 | 3         | 1                 | 23675        | 0                   | 2             | 150               | 2.02                         | 0.42                         | 50.12              | 31.47                      | 0.027307                    |
| 2024 | 3         | 1                 | 5790         | 0                   | 2             | 185               | 2.08                         | 0.31                         | 57.26              | 34.14                      | 0.054074                    |
| 2024 | 3         | 1                 | 17050        | 0                   | 2             | 137               | 2.12                         | 0.33                         | 59.17              | 26.32                      | 0.020483                    |
| 2024 | 3         | 1                 | 47545        | 0                   | 2             | 106               | 0.96                         | 0.38                         | 57.90              | 36.27                      | 0.010085                    |
| 2024 | 3         | 1                 | 23855        | 0                   | 2             | 124               | 0.66                         | 0.34                         | 57.97              | 42.79                      | 0.034360                    |
| 2024 | 3         | 1                 | 54520        | 0                   | 2             | 133               | 2.63                         | 0.81                         | 48.94              | 31.81                      | 0.041189                    |
| 2024 | 3         | 1                 | 5088         | 0508806             | 2             | 557               | 1.77                         | 0.31                         | 47.11              | 30.04                      | 0.044073                    |
| 2024 | 3         | 1                 | 15377        | 0                   | 2             | 137               | 2.01                         | 0.94                         | 51.34              | 33.46                      | 0.019219                    |
| 2024 | 3         | 1                 | 41378        | 0                   | 2             | 62                | 0.54                         | 0.75                         | 69.99              | 49.53                      | 0.035783                    |
| 2024 | 3         | 1                 | 13244        | 0                   | 2             | 225               | 0.75                         | 0.28                         | 62.62              | 47.84                      | 0.044306                    |
| 2024 | 3         | 1                 | 23570        | 0                   | 2             | 152               | 1.15                         | 0.39                         | 72.28              | 44.42                      | 0.028199                    |
| 2024 | 3         | 1                 | 5647         | 0                   | 2             | 52                | 1.70                         | 0.32                         | 55.56              | 37.43                      | 0.035793                    |
| 2024 | 3         | 1                 | 54109        | 0                   | 2             | 125               | 1.21                         | 0.30                         | 62.95              | 44.98                      | 0.020179                    |
| 2024 | 3         | 1                 | 5107         | 0                   | 2             | 72                | 1.84                         | 0.28                         | 51.16              | 30.89                      | 0.044223                    |
| 2024 | 3         | 1                 | 15204        | 0                   | 2             | 226               | 2.09                         | 0.80                         | 44.93              | 41.21                      | 0.059263                    |
| 2024 | 3         | 1                 | 41676        | 0                   | 2             | 51                | 1.39                         | 0.52                         | 51.15              | 40.03                      | 0.023055                    |
| 2024 | 3         | 1                 | 50124        | 0                   | 2             | 71                | 0.77                         | 0.50                         | 66.29              | 60.39                      | 0.040363                    |
| 2024 | 3         | 1                 | 66088        | 0                   | 2             | 240               | 1.71                         | 0.32                         | 56.86              | 33.60                      | 0.035130                    |
| 2024 | 3         | 1                 | 44378        | 0                   | 2             | 76                | 1.03                         | 0.32                         | 67.01              | 41.06                      | 0.054430                    |
| 2024 | 3         | 1                 | 5425         | 0                   | 2             | 167               | 1.08                         | 0.37                         | 57.95              | 42.31                      | 0.043568                    |
| 2024 | 3         | 1                 | 76243        | 0                   | 2             | 23                | 1.46                         | 0.25                         | 61.74              | 39.26                      | 0.018554                    |
| 2024 | 3         | 1                 | 52411        | 0                   | 2             | 98                | 3.44                         | 0.31                         | 55.79              | 31.89                      | 0.015573                    |
| 2024 | 3         | 1                 | 25099        | 0                   | 2             | 278               | 2.33                         | 0.29                         | 48.08              | 44.10                      | 0.061257                    |
| 2024 | 3         | 1                 | 5091         | 0                   | 2             | 95                | 0.94                         | 0.28                         | 58.97              | 41.67                      | 0.041920                    |
| 2024 | 3         | 1                 | 5628         | 0                   | 2             | 31                | 0.55                         | 0.27                         | 76.27              | 54.44                      | 0.028958                    |
| 2024 | 3         | 1                 | 68101        | 0                   | 2             | 47                | 1.36                         | 0.31                         | 56.78              | 32.17                      | 0.028294                    |
| 2024 | 3         | 1                 | 5113         | 0                   | 2             | 312               | 1.23                         | 0.25                         | 56.53              | 41.17                      | 0.019402                    |
| 2024 | 3         | 1                 | 8560         | 0                   | 2             | 113               | 2.43                         | 0.32                         | 52.86              | 36.96                      | 0.046441                    |
| 2024 | 3         | 1                 | 23001        | 2300103             | 2             | 525               | 2.93                         | 0.37                         | 54.09              | 24.17                      | 0.055784                    |
| 2024 | 3         | 1                 | 23500        | 0                   | 2             | 80                | 0.83                         | 0.20                         | 56.39              | 53.89                      | 0.038738                    |
| 2024 | 3         | 1                 | 25599        | 0                   | 2             | 247               | 2.81                         | 0.89                         | 46.45              | 32.53                      | 0.046132                    |
| 2024 | 3         | 1                 | 44560        | 0                   | 2             | 123               | 1.54                         | 0.55                         | 61.15              | 43.20                      | 0.035968                    |
| 2024 | 3         | 1                 | 52885        | 0                   | 2             | 47                | 1.18                         | 0.31                         | 56.40              | 51.44                      | 0.036111                    |
| 2024 | 3         | 1                 | 25594        | 0                   | 2             | 182               | 0.87                         | 0.69                         | 53.46              | 50.02                      | 0.037960                    |
| 2024 | 3         | 1                 | 54001        | 5400109             | 2             | 205               | 2.08                         | 0.38                         | 46.95              | 34.78                      | 0.077245                    |
| 2024 | 3         | 1                 | 25394        | 0                   | 2             | 139               | 1.16                         | 0.64                         | 44.44              | 32.54                      | 0.030406                    |
| 2024 | 3         | 1                 | 20550        | 0                   | 2             | 125               | 1.06                         | 0.31                         | 73.01              | 41.17                      | 0.039197                    |
| 2024 | 3         | 1                 | 19392        | 0                   | 2             | 109               | 1.11                         | 0.30                         | 58.62              | 34.80                      | 0.026180                    |
| 2024 | 3         | 1                 | 73770        | 0                   | 2             | 71                | 2.04                         | 0.57                         | 44.12              | 28.36                      | 0.052670                    |
| 2024 | 3         | 1                 | 27450        | 0                   | 2             | 24                | 1.80                         | 0.78                         | 59.15              | 17.27                      | 0.012662                    |
| 2024 | 3         | 1                 | 47058        | 0                   | 2             | 203               | 1.33                         | 0.32                         | 50.85              | 38.60                      | 0.044154                    |
| 2024 | 3         | 1                 | 52480        | 0                   | 2             | 66                | 1.03                         | 0.33                         | 57.27              | 37.10                      | 0.020699                    |
| 2024 | 3         | 1                 | 5585         | 0                   | 2             | 155               | 1.60                         | 0.23                         | 75.48              | 62.37                      | 0.042927                    |
| 2024 | 3         | 1                 | 15720        | 0                   | 2             | 53                | 0.89                         | 0.75                         | 83.58              | 53.26                      | 0.017856                    |
| 2024 | 3         | 1                 | 25745        | 0                   | 2             | 212               | 1.37                         | 0.89                         | 44.95              | 45.38                      | 0.027276                    |
| 2024 | 3         | 1                 | 68190        | 0                   | 2             | 573               | 1.55                         | 0.29                         | 61.54              | 42.83                      | 0.040168                    |
| 2024 | 3         | 1                 | 44090        | 0                   | 2             | 229               | 1.57                         | 0.26                         | 62.43              | 46.23                      | 0.034678                    |
| 2024 | 3         | 1                 | 41791        | 0                   | 2             | 128               | 0.66                         | 0.27                         | 60.88              | 41.01                      | 0.039419                    |
| 2024 | 3         | 1                 | 18610        | 0                   | 2             | 54                | 1.01                         | 0.34                         | 66.37              | 43.21                      | 0.031648                    |
| 2024 | 3         | 1                 | 85325        | 0                   | 2             | 149               | 1.23                         | 0.26                         | 60.36              | 39.83                      | 0.029939                    |
| 2024 | 3         | 1                 | 15183        | 0                   | 2             | 22                | 1.88                         | 0.71                         | 74.22              | 54.82                      | 0.019865                    |
| 2024 | 3         | 1                 | 5284         | 0                   | 2             | 92                | 1.58                         | 0.31                         | 58.81              | 29.73                      | 0.019511                    |
| 2024 | 3         | 1                 | 73168        | 0                   | 2             | 162               | 1.41                         | 0.39                         | 48.95              | 35.87                      | 0.063044                    |
| 2024 | 3         | 1                 | 41319        | 0                   | 2             | 118               | 1.59                         | 0.61                         | 51.65              | 37.64                      | 0.037723                    |
| 2024 | 3         | 1                 | 25438        | 0                   | 2             | 110               | 1.01                         | 0.99                         | 52.64              | 43.33                      | 0.028514                    |
| 2024 | 3         | 1                 | 27050        | 0                   | 2             | 64                | 1.75                         | 0.82                         | 54.35              | 24.03                      | 0.053995                    |
| 2024 | 3         | 1                 | 15464        | 0                   | 2             | 18                | 0.47                         | 0.86                         | 52.10              | 31.80                      | 0.011153                    |
| 2024 | 3         | 1                 | 68001        | 6800104             | 2             | 252               | 3.74                         | 0.33                         | 48.13              | 29.66                      | 0.061224                    |
| 2024 | 3         | 1                 | 70418        | 0                   | 2             | 71                | 1.84                         | 0.33                         | 59.57              | 36.47                      | 0.071943                    |
| 2024 | 3         | 1                 | 73347        | 0                   | 2             | 76                | 5.14                         | 0.33                         | 58.49              | 18.46                      | 0.032686                    |
| 2024 | 3         | 1                 | 52256        | 0                   | 2             | 47                | 1.11                         | 0.28                         | 61.67              | 44.41                      | 0.053404                    |
| 2024 | 3         | 1                 | 63302        | 0                   | 2             | 38                | 0.95                         | 0.31                         | 55.82              | 38.32                      | 0.053461                    |
| 2024 | 3         | 1                 | 15514        | 0                   | 2             | 129               | 2.31                         | 0.96                         | 50.12              | 35.60                      | 0.087831                    |
| 2024 | 3         | 1                 | 13549        | 0                   | 2             | 17                | 1.79                         | 0.29                         | 63.71              | 52.97                      | 0.031566                    |
| 2024 | 3         | 1                 | 5250         | 0                   | 2             | 208               | 1.55                         | 0.32                         | 54.42              | 44.27                      | 0.043938                    |
| 2024 | 3         | 1                 | 15778        | 0                   | 2             | 45                | 1.04                         | 0.58                         | 52.73              | 45.85                      | 0.045259                    |
| 2024 | 3         | 1                 | 27660        | 0                   | 3             | 612               | 9.89                         | 3.58                         | 40.33              | 13.31                      | 0.028074                    |
| 2024 | 3         | 1                 | 15097        | 0                   | 2             | 100               | 0.84                         | 0.83                         | 51.28              | 32.23                      | 0.021868                    |
| 2024 | 3         | 1                 | 13160        | 0                   | 2             | 62                | 1.66                         | 0.28                         | 58.47              | 49.71                      | 0.021232                    |
| 2024 | 3         | 1                 | 15162        | 0                   | 2             | 91                | 1.29                         | 0.91                         | 44.68              | 39.78                      | 0.022475                    |
| 2024 | 3         | 1                 | 15476        | 0                   | 2             | 48                | 1.27                         | 0.73                         | 48.91              | 55.04                      | 0.047819                    |
| 2024 | 3         | 1                 | 47053        | 0                   | 2             | 144               | 1.35                         | 0.32                         | 52.23              | 37.94                      | 0.049608                    |
| 2024 | 3         | 1                 | 18860        | 0                   | 2             | 77                | 3.28                         | 0.38                         | 55.73              | 19.00                      | 0.081638                    |
| 2024 | 3         | 1                 | 47745        | 0                   | 2             | 174               | 1.63                         | 0.30                         | 47.17              | 41.99                      | 0.073671                    |
| 2024 | 3         | 1                 | 25489        | 0                   | 2             | 132               | 1.55                         | 0.78                         | 39.39              | 41.82                      | 0.038345                    |
| 2024 | 3         | 1                 | 41615        | 0                   | 2             | 224               | 2.50                         | 0.32                         | 49.67              | 33.45                      | 0.073580                    |
| 2024 | 3         | 1                 | 99524        | 0                   | 2             | 51                | 0.54                         | 0.50                         | 75.85              | 64.34                      | 0.040857                    |
| 2024 | 3         | 1                 | 25086        | 0                   | 2             | 77                | 3.79                         | 1.08                         | 40.60              | 36.62                      | 0.040387                    |
| 2024 | 3         | 1                 | 25592        | 0                   | 2             | 129               | 1.61                         | 0.75                         | 51.33              | 53.25                      | 0.026529                    |
| 2024 | 3         | 1                 | 27361        | 0                   | 2             | 198               | 0.84                         | 0.31                         | 66.67              | 45.10                      | 0.041453                    |
| 2024 | 3         | 1                 | 19821        | 0                   | 2             | 37                | 1.62                         | 0.50                         | 50.47              | 33.71                      | 0.065988                    |
| 2024 | 3         | 1                 | 20750        | 0                   | 2             | 122               | 1.24                         | 0.31                         | 58.15              | 47.07                      | 0.046789                    |
| 2024 | 3         | 1                 | 5854         | 0                   | 2             | 156               | 1.90                         | 0.27                         | 50.15              | 34.86                      | 0.051425                    |
| 2024 | 3         | 1                 | 52260        | 0                   | 2             | 45                | 0.87                         | 0.18                         | 65.22              | 48.29                      | 0.020769                    |
| 2024 | 3         | 1                 | 68524        | 0                   | 2             | 82                | 1.07                         | 0.62                         | 51.67              | 51.21                      | 0.031835                    |
| 2024 | 3         | 1                 | 20614        | 0                   | 2             | 132               | 2.12                         | 0.31                         | 65.10              | 41.44                      | 0.049990                    |
| 2024 | 3         | 1                 | 15690        | 0                   | 2             | 172               | 1.42                         | 0.80                         | 52.02              | 39.32                      | 0.016066                    |
| 2024 | 3         | 1                 | 73555        | 0                   | 2             | 33                | 1.80                         | 0.29                         | 87.14              | 63.77                      | 0.033971                    |
| 2024 | 3         | 1                 | 5306         | 0                   | 2             | 201               | 1.90                         | 0.82                         | 49.30              | 30.11                      | 0.027663                    |
| 2024 | 3         | 1                 | 25326        | 0                   | 2             | 61                | 3.55                         | 0.78                         | 41.74              | 22.78                      | 0.043200                    |
| 2024 | 3         | 1                 | 68872        | 0                   | 2             | 50                | 0.66                         | 0.66                         | 52.86              | 29.05                      | 0.044408                    |
| 2024 | 3         | 1                 | 73270        | 0                   | 2             | 91                | 0.83                         | 0.34                         | 68.66              | 39.64                      | 0.026108                    |
| 2024 | 3         | 1                 | 5051         | 0                   | 2             | 97                | 1.29                         | 0.26                         | 58.91              | 41.85                      | 0.026695                    |
| 2024 | 3         | 1                 | 94001        | 0                   | 2             | 160               | 0.78                         | 0.27                         | 55.74              | 50.52                      | 0.026198                    |
| 2024 | 3         | 1                 | 17442        | 0                   | 2             | 96                | 1.55                         | 0.29                         | 63.88              | 39.66                      | 0.059213                    |
| 2024 | 3         | 1                 | 76306        | 0                   | 2             | 169               | 1.96                         | 0.33                         | 55.49              | 31.68                      | 0.052986                    |
| 2024 | 3         | 1                 | 68320        | 0                   | 2             | 40                | 1.24                         | 0.43                         | 59.90              | 33.63                      | 0.069473                    |
| 2024 | 3         | 1                 | 5541         | 0                   | 2             | 214               | 0.62                         | 0.31                         | 56.50              | 46.25                      | 0.038797                    |
| 2024 | 3         | 1                 | 13810        | 0                   | 2             | 15                | 1.96                         | 0.24                         | 74.72              | 58.75                      | 0.021575                    |
| 2024 | 3         | 1                 | 19290        | 0                   | 2             | 17                | 1.24                         | 0.24                         | 57.74              | 34.66                      | 0.040050                    |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIMESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COMUNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD_DESCARGA | INDICADOR_VELOCIDAD_CARGA | INDICADOR_LATENCIA | INDICADOR_FLUCTUACION_FASE | INDICADOR_TASA_PERDIDA_PAQUETES |
|------|-----------|-------------------|--------------|---------------------|---------------|-------------------|------------------------------|---------------------------|--------------------|----------------------------|---------------------------------|
| 2024 | 3         | 1                 | 27810        | 0                   | 2             | 116               | 1.23                         | 0.44                      | 71.23              | 50.46                      | 0.050255                        |
| 2024 | 3         | 1                 | 73408        | 0                   | 2             | 143               | 1.91                         | 0.32                      | 50.03              | 34.46                      | 0.043773                        |
| 2024 | 3         | 1                 | 5282         | 0                   | 2             | 226               | 1.95                         | 0.33                      | 57.21              | 41.70                      | 0.027103                        |
| 2024 | 3         | 1                 | 5347         | 0                   | 2             | 58                | 1.45                         | 0.29                      | 60.67              | 28.69                      | 0.046954                        |
| 2024 | 3         | 1                 | 15686        | 0                   | 2             | 76                | 0.76                         | 0.64                      | 62.92              | 53.20                      | 0.053579                        |
| 2024 | 3         | 1                 | 85430        | 0                   | 2             | 99                | 2.24                         | 0.38                      | 54.41              | 49.42                      | 0.043935                        |
| 2024 | 3         | 1                 | 85300        | 0                   | 2             | 89                | 1.73                         | 0.46                      | 67.95              | 41.83                      | 0.041257                        |
| 2024 | 3         | 1                 | 25772        | 0                   | 2             | 216               | 1.15                         | 0.35                      | 48.89              | 35.52                      | 0.037592                        |
| 2024 | 3         | 1                 | 27787        | 0                   | 2             | 119               | 1.78                         | 0.32                      | 67.20              | 39.11                      | 0.034457                        |
| 2024 | 3         | 1                 | 15480        | 0                   | 2             | 78                | 0.98                         | 0.75                      | 50.34              | 50.02                      | 0.022569                        |
| 2024 | 3         | 1                 | 15109        | 0                   | 2             | 54                | 0.80                         | 0.64                      | 52.89              | 68.83                      | 0.035849                        |
| 2024 | 3         | 1                 | 5125         | 0                   | 2             | 23                | 0.35                         | 0.23                      | 60.28              | 46.77                      | 0.021018                        |
| 2024 | 3         | 1                 | 76377        | 0                   | 2             | 73                | 1.80                         | 0.28                      | 55.01              | 38.92                      | 0.044705                        |
| 2024 | 3         | 1                 | 50223        | 0                   | 2             | 153               | 1.34                         | 0.56                      | 49.70              | 39.93                      | 0.030665                        |
| 2024 | 3         | 1                 | 19256        | 0                   | 2             | 155               | 2.08                         | 0.31                      | 57.44              | 32.81                      | 0.083831                        |
| 2024 | 3         | 1                 | 68745        | 0                   | 2             | 117               | 1.26                         | 0.52                      | 51.90              | 48.00                      | 0.044301                        |
| 2024 | 3         | 1                 | 73622        | 0                   | 2             | 13                | 1.31                         | 0.25                      | 47.03              | 27.79                      | 0.028632                        |
| 2024 | 3         | 1                 | 54250        | 0                   | 2             | 25                | 0.48                         | 0.32                      | 56.57              | 37.94                      | 0.025429                        |
| 2024 | 3         | 1                 | 25873        | 0                   | 2             | 126               | 1.22                         | 0.84                      | 46.22              | 39.31                      | 0.057162                        |
| 2024 | 3         | 1                 | 25486        | 0                   | 2             | 148               | 1.25                         | 0.83                      | 50.19              | 38.39                      | 0.039717                        |
| 2024 | 3         | 1                 | 11001        | -1                  | 2             | 136               | 0.72                         | 0.46                      | 57.34              | 51.37                      | 0.018082                        |
| 2024 | 3         | 1                 | 5736         | 0                   | 2             | 88                | 1.45                         | 0.25                      | 59.36              | 55.82                      | 0.040362                        |
| 2024 | 3         | 1                 | 20178        | 0                   | 2             | 241               | 2.26                         | 0.29                      | 52.86              | 38.08                      | 0.052654                        |
| 2024 | 3         | 1                 | 68780        | 0                   | 2             | 98                | 1.16                         | 0.41                      | 52.56              | 38.16                      | 0.034834                        |
| 2024 | 3         | 1                 | 68255        | 0                   | 2             | 94                | 1.43                         | 0.29                      | 54.96              | 49.11                      | 0.038055                        |
| 2024 | 3         | 1                 | 52250        | 0                   | 2             | 64                | 1.18                         | 0.28                      | 67.32              | 35.82                      | 0.045006                        |
| 2024 | 3         | 1                 | 23580        | 0                   | 2             | 153               | 1.52                         | 0.32                      | 68.71              | 49.57                      | 0.046545                        |
| 2024 | 3         | 1                 | 5885         | 0                   | 2             | 69                | 1.08                         | 0.25                      | 66.50              | 40.56                      | 0.083527                        |
| 2024 | 3         | 1                 | 95025        | 0                   | 2             | 38                | 2.28                         | 0.41                      | 55.23              | 41.16                      | 0.051993                        |
| 2024 | 3         | 1                 | 5856         | 0                   | 2             | 56                | 1.13                         | 0.26                      | 58.58              | 52.39                      | 0.079108                        |
| 2024 | 3         | 1                 | 5819         | 0                   | 2             | 114               | 1.97                         | 0.46                      | 53.18              | 39.61                      | 0.034260                        |
| 2024 | 3         | 1                 | 70473        | 0                   | 2             | 82                | 1.72                         | 0.28                      | 59.50              | 41.93                      | 0.045079                        |
| 2024 | 3         | 1                 | 19517        | 0                   | 2             | 49                | 0.91                         | 0.48                      | 82.74              | 65.86                      | 0.044688                        |
| 2024 | 3         | 1                 | 68162        | 0                   | 2             | 88                | 1.21                         | 0.61                      | 54.11              | 42.56                      | 0.017266                        |
| 2024 | 3         | 1                 | 15531        | 0                   | 2             | 20                | 0.48                         | 0.56                      | 129.84             | 86.63                      | 0.010500                        |
| 2024 | 3         | 1                 | 19355        | 0                   | 2             | 77                | 0.82                         | 0.62                      | 62.89              | 34.73                      | 0.024353                        |
| 2024 | 3         | 1                 | 15180        | 0                   | 2             | 25                | 0.70                         | 1.30                      | 84.69              | 94.33                      | 0.007337                        |
| 2024 | 3         | 1                 | 13442        | 0                   | 2             | 96                | 1.78                         | 0.31                      | 66.76              | 40.21                      | 0.050433                        |
| 2024 | 3         | 1                 | 20238        | 0                   | 2             | 215               | 1.80                         | 0.27                      | 51.86              | 39.31                      | 0.025069                        |
| 2024 | 3         | 1                 | 27075        | 0                   | 2             | 31                | 0.87                         | 0.51                      | 71.63              | 36.11                      | 0.042958                        |
| 2024 | 3         | 1                 | 50683        | 0                   | 2             | 118               | 1.01                         | 0.64                      | 54.29              | 43.02                      | 0.018261                        |
| 2024 | 3         | 1                 | 52215        | 0                   | 2             | 68                | 1.23                         | 0.37                      | 67.33              | 33.70                      | 0.027068                        |
| 2024 | 3         | 1                 | 66572        | 0                   | 2             | 167               | 2.39                         | 0.85                      | 54.11              | 29.41                      | 0.068187                        |
| 2024 | 3         | 1                 | 13683        | 0                   | 2             | 47                | 1.13                         | 0.78                      | 55.68              | 39.35                      | 0.062026                        |
| 2024 | 3         | 1                 | 85230        | 0                   | 2             | 237               | 1.04                         | 0.43                      | 67.25              | 56.75                      | 0.034434                        |
| 2024 | 3         | 1                 | 52203        | 0                   | 2             | 44                | 1.70                         | 0.28                      | 60.22              | 36.40                      | 0.025694                        |
| 2024 | 3         | 1                 | 41359        | 0                   | 2             | 69                | 2.06                         | 0.41                      | 55.17              | 35.72                      | 0.062430                        |
| 2024 | 3         | 1                 | 13473        | 0                   | 2             | 93                | 1.81                         | 0.38                      | 82.59              | 27.68                      | 0.072782                        |
| 2024 | 3         | 1                 | 25777        | 0                   | 2             | 72                | 1.05                         | 0.60                      | 48.28              | 43.06                      | 0.037587                        |
| 2024 | 3         | 1                 | 13838        | 0                   | 2             | 116               | 1.33                         | 0.26                      | 56.60              | 38.57                      | 0.032090                        |
| 2024 | 3         | 1                 | 68235        | 0                   | 2             | 114               | 0.50                         | 0.33                      | 69.07              | 50.76                      | 0.039294                        |
| 2024 | 3         | 1                 | 13744        | 0                   | 2             | 39                | 1.95                         | 0.37                      | 76.31              | 53.30                      | 0.030272                        |
| 2024 | 3         | 1                 | 70233        | 0                   | 2             | 63                | 1.11                         | 0.42                      | 65.17              | 56.68                      | 0.060878                        |
| 2024 | 3         | 1                 | 5858         | 0                   | 2             | 99                | 1.48                         | 0.38                      | 65.25              | 47.91                      | 0.071636                        |
| 2024 | 3         | 1                 | 66456        | 0                   | 2             | 73                | 0.97                         | 0.33                      | 59.85              | 35.46                      | 0.063452                        |
| 2024 | 3         | 1                 | 25871        | 0                   | 2             | 47                | 1.35                         | 0.58                      | 45.32              | 31.31                      | 0.012190                        |
| 2024 | 3         | 1                 | 8832         | 0                   | 2             | 100               | 2.09                         | 0.34                      | 51.77              | 48.51                      | 0.067200                        |
| 2024 | 3         | 1                 | 13042        | 0                   | 2             | 32                | 1.52                         | 0.27                      | 84.55              | 26.61                      | 0.054058                        |
| 2024 | 3         | 1                 | 99624        | 0                   | 2             | 69                | 0.83                         | 0.55                      | 77.31              | 68.53                      | 0.012614                        |
| 2024 | 3         | 1                 | 85139        | 0                   | 2             | 186               | 0.93                         | 0.27                      | 66.16              | 45.05                      | 0.054924                        |
| 2024 | 3         | 1                 | 8433         | 0                   | 2             | 475               | 2.35                         | 0.30                      | 46.53              | 32.31                      | 0.043928                        |
| 2024 | 3         | 1                 | 68217        | 0                   | 2             | 27                | 1.55                         | 0.31                      | 53.91              | 30.28                      | 0.033701                        |
| 2024 | 3         | 1                 | 25281        | 0                   | 2             | 46                | 0.61                         | 0.65                      | 50.13              | 30.86                      | 0.040081                        |
| 2024 | 3         | 1                 | 15755        | 0                   | 2             | 99                | 1.39                         | 0.89                      | 58.06              | 43.09                      | 0.033732                        |
| 2024 | 3         | 1                 | 68271        | 0                   | 2             | 64                | 1.28                         | 0.69                      | 58.17              | 33.97                      | 0.029814                        |
| 2024 | 3         | 1                 | 13140        | 0                   | 2             | 111               | 1.46                         | 0.36                      | 61.36              | 38.12                      | 0.042309                        |
| 2024 | 3         | 1                 | 52083        | 0                   | 2             | 89                | 3.78                         | 0.37                      | 62.69              | 23.81                      | 0.027227                        |
| 2024 | 3         | 1                 | 25805        | 0                   | 2             | 67                | 1.63                         | 0.82                      | 41.65              | 30.47                      | 0.019840                        |
| 2024 | 3         | 1                 | 47318        | 0                   | 2             | 31                | 0.59                         | 0.31                      | 73.47              | 67.88                      | 0.030816                        |
| 2024 | 3         | 1                 | 17495        | 0                   | 2             | 79                | 1.46                         | 0.33                      | 67.22              | 47.42                      | 0.039917                        |
| 2024 | 3         | 1                 | 68682        | 0                   | 2             | 45                | 1.51                         | 0.72                      | 48.81              | 38.79                      | 0.007685                        |
| 2024 | 3         | 1                 | 5055         | 0                   | 2             | 2                 | 2.16                         | 0.10                      | 85.80              | 27.60                      | 0.104217                        |
| 2024 | 3         | 1                 | 68298        | 0                   | 2             | 47                | 1.22                         | 0.60                      | 58.50              | 40.69                      | 0.075795                        |
| 2024 | 3         | 1                 | 54245        | 0                   | 2             | 86                | 1.26                         | 0.83                      | 53.02              | 42.33                      | 0.061703                        |
| 2024 | 3         | 1                 | 70204        | 0                   | 2             | 30                | 1.83                         | 0.30                      | 50.05              | 36.98                      | 0.019839                        |
| 2024 | 3         | 1                 | 47245        | 0                   | 2             | 190               | 1.46                         | 0.33                      | 56.20              | 40.20                      | 0.047655                        |
| 2024 | 3         | 1                 | 81300        | 0                   | 2             | 35                | 1.45                         | 0.29                      | 53.81              | 26.82                      | 0.036283                        |
| 2024 | 3         | 1                 | 41503        | 0                   | 2             | 50                | 1.11                         | 0.17                      | 60.24              | 40.79                      | 0.032972                        |
| 2024 | 3         | 1                 | 70508        | 0                   | 2             | 73                | 0.98                         | 0.30                      | 56.82              | 51.92                      | 0.041809                        |
| 2024 | 3         | 1                 | 54223        | 0                   | 2             | 56                | 0.85                         | 0.29                      | 57.69              | 49.17                      | 0.054254                        |
| 2024 | 3         | 1                 | 73616        | 0                   | 2             | 102               | 1.35                         | 0.33                      | 57.09              | 46.17                      | 0.034067                        |
| 2024 | 3         | 1                 | 19824        | 0                   | 2             | 76                | 2.75                         | 0.55                      | 56.26              | 30.36                      | 0.049158                        |
| 2024 | 3         | 1                 | 15522        | 0                   | 2             | 48                | 3.82                         | 1.25                      | 46.23              | 20.10                      | 0.033352                        |
| 2024 | 3         | 1                 | 15839        | 0                   | 2             | 63                | 1.07                         | 0.70                      | 65.13              | 55.51                      | 0.027490                        |
| 2024 | 3         | 1                 | 23464        | 0                   | 2             | 127               | 0.78                         | 0.27                      | 59.89              | 43.84                      | 0.019595                        |
| 2024 | 3         | 1                 | 13490        | 0                   | 2             | 25                | 0.96                         | 0.26                      | 80.61              | 35.08                      | 0.059216                        |
| 2024 | 3         | 1                 | 86571        | 0                   | 2             | 45                | 1.97                         | 0.33                      | 47.77              | 16.20                      | 0.112664                        |
| 2024 | 3         | 1                 | 23419        | 0                   | 2             | 69                | 0.74                         | 0.43                      | 72.52              | 52.70                      | 0.048235                        |
| 2024 | 3         | 1                 | 15518        | 0                   | 2             | 94                | 1.46                         | 0.70                      | 54.57              | 48.44                      | 0.031583                        |
| 2024 | 3         | 1                 | 19142        | 0                   | 2             | 197               | 2.30                         | 0.33                      | 50.82              | 30.07                      | 0.036481                        |
| 2024 | 3         | 1                 | 68344        | 0                   | 2             | 39                | 3.31                         | 0.78                      | 43.43              | 19.48                      | 0.040926                        |
| 2024 | 3         | 1                 | 15232        | 0                   | 2             | 30                | 1.46                         | 0.75                      | 44.34              | 25.76                      | 0.030582                        |
| 2024 | 3         | 1                 | 66318        | 0                   | 2             | 54                | 2.30                         | 0.30                      | 57.54              | 24.94                      | 0.062064                        |
| 2024 | 3         | 1                 | 19785        | 0                   | 2             | 22                | 1.15                         | 0.20                      | 52.29              | 38.11                      | 0.040800                        |
| 2024 | 3         | 1                 | 70429        | 0                   | 2             | 15                | 0.90                         | 0.43                      | 57.09              | 48.55                      | 0.057173                        |
| 2024 | 3         | 1                 | 25154        | 0                   | 2             | 100               | 0.60                         | 0.72                      | 55.25              | 39.71                      | 0.022978                        |
| 2024 | 3         | 1                 | 73067        | 0                   | 2             | 36                | 1.95                         | 0.24                      | 60.26              | 51.88                      | 0.039455                        |
| 2024 | 3         | 1                 | 47170        | 0                   | 2             | 41                | 1.73                         | 0.37                      | 69.72              | 20.40                      | 0.094697                        |
| 2024 | 3         | 1                 | 19693        | 0                   | 2             | 37                | 0.83                         | 0.26                      | 55.23              | 44.50                      | 0.041436                        |
| 2024 | 3         | 1                 | 68773        | 0                   | 2             | 66                | 1.52                         | 0.27                      | 54.40              | 24.23                      | 0.047560                        |
| 2024 | 3         | 1                 | 47460        | 0                   | 2             | 122               | 0.84                         | 0.31                      | 68.33              | 44.61                      | 0.047106                        |
| 2024 | 3         | 1                 | 20295        | 0                   | 2             | 42                | 1.55                         | 0.24                      | 68.85              | 49.99                      | 0.043336                        |
| 2024 | 3         | 1                 | 54128        | 0                   | 2             | 66                | 0.65                         | 0.45                      | 60.36              | 45.63                      | 0.020155                        |
| 2024 | 3         | 1                 | 68020        | 0                   | 2             | 34                | 0.42                         | 0.22                      | 62.57              | 42.54                      | 0.012916                        |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIMESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COMUNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD_DESCARGA | INDICADOR_VELOCIDAD_CARGA | INDICADOR_LATENCIA | INDICADOR_FLUCTUACION_FASE | INDICADOR_TASA_PERDIDA_PAQUETES |
|------|-----------|-------------------|--------------|---------------------|---------------|-------------------|------------------------------|---------------------------|--------------------|----------------------------|---------------------------------|
| 2024 | 3         | 1                 | 27491        | 0                   | 2             | 30                | 0.76                         | 0.63                      | 56.38              | 33.17                      | 0.015793                        |
| 2024 | 3         | 1                 | 52427        | 0                   | 2             | 16                | 0.85                         | 0.19                      | 60.16              | 53                         | 0.021716                        |
| 2024 | 3         | 1                 | 8549         | 0                   | 2             | 56                | 2.50                         | 0.33                      | 71.03              | 35.48                      | 0.061483                        |
| 2024 | 3         | 1                 | 70678        | 0                   | 2             | 51                | 1.43                         | 0.26                      | 53.24              | 43.80                      | 0.045342                        |
| 2024 | 3         | 1                 | 68385        | 0                   | 2             | 164               | 1.65                         | 0.47                      | 53.29              | 46.32                      | 0.050309                        |
| 2024 | 3         | 1                 | 27077        | 0                   | 2             | 6                 | 0.96                         | 0.48                      | 66.63              | 46.50                      | 0.014337                        |
| 2024 | 3         | 1                 | 52560        | 0                   | 2             | 51                | 1.64                         | 0.50                      | 54.67              | 36.20                      | 0.027920                        |
| 2024 | 3         | 1                 | 19760        | 0                   | 2             | 41                | 2.31                         | 0.26                      | 53.18              | 33.37                      | 0.058315                        |
| 2024 | 3         | 1                 | 5038         | 0                   | 2             | 119               | 1.31                         | 0.31                      | 62.91              | 53.67                      | 0.023573                        |
| 2024 | 3         | 1                 | 5792         | 0                   | 2             | 84                | 0.41                         | 0.55                      | 56.43              | 52.00                      | 0.039127                        |
| 2024 | 3         | 1                 | 41020        | 0                   | 2             | 76                | 1.52                         | 0.31                      | 63.45              | 46.94                      | 0.016585                        |
| 2024 | 3         | 1                 | 68444        | 0                   | 2             | 15                | 1.86                         | 0.40                      | 48.65              | 36.50                      | 0.045061                        |
| 2024 | 3         | 1                 | 13780        | 0                   | 2             | 49                | 1.40                         | 0.52                      | 65.51              | 44.88                      | 0.059458                        |
| 2024 | 3         | 1                 | 95015        | 0                   | 2             | 44                | 1.24                         | 0.58                      | 94.55              | 34.30                      | 0.028595                        |
| 2024 | 3         | 1                 | 19743        | 0                   | 2             | 81                | 2.55                         | 0.39                      | 55.39              | 47.36                      | 0.028124                        |
| 2024 | 3         | 1                 | 27580        | 0                   | 2             | 59                | 2.08                         | 0.55                      | 59.57              | 35.40                      | 0.012253                        |
| 2024 | 3         | 1                 | 19100        | 0                   | 2             | 34                | 1.20                         | 0.65                      | 52.81              | 36.60                      | 0.026835                        |
| 2024 | 3         | 1                 | 13670        | 0                   | 2             | 69                | 1.53                         | 0.32                      | 59.31              | 28.80                      | 0.059004                        |
| 2024 | 3         | 1                 | 97001        | 0                   | 2             | 28                | 0.54                         | 0.19                      | 583.50             | 102.88                     | 0.021037                        |
| 2024 | 3         | 1                 | 47555        | 0                   | 2             | 50                | 1.03                         | 0.31                      | 56.06              | 59.67                      | 0.099010                        |
| 2024 | 3         | 1                 | 85125        | 0                   | 2             | 100               | 1.57                         | 0.38                      | 53.94              | 37.11                      | 0.033248                        |
| 2024 | 3         | 1                 | 15106        | 0                   | 2             | 10                | 0.55                         | 0.79                      | 48.73              | 62.36                      | 0.009805                        |
| 2024 | 3         | 1                 | 5059         | 0                   | 2             | 45                | 1.52                         | 0.35                      | 58.35              | 36.36                      | 0.076444                        |
| 2024 | 3         | 1                 | 13248        | 0                   | 2             | 14                | 2.86                         | 0.28                      | 54.19              | 25.88                      | 0.040577                        |
| 2024 | 3         | 1                 | 5842         | 0                   | 2             | 68                | 1.16                         | 0.51                      | 63.40              | 40.06                      | 0.046466                        |
| 2024 | 3         | 1                 | 25483        | 0                   | 2             | 83                | 2.07                         | 0.71                      | 48.41              | 55.37                      | 0.023165                        |
| 2024 | 3         | 1                 | 19397        | 0                   | 2             | 35                | 1.67                         | 0.25                      | 51.15              | 34.25                      | 0.042077                        |
| 2024 | 3         | 1                 | 70717        | 0                   | 2             | 96                | 1.25                         | 0.27                      | 58.12              | 34.41                      | 0.046094                        |
| 2024 | 3         | 1                 | 23079        | 0                   | 2             | 62                | 0.87                         | 0.27                      | 87.96              | 57.45                      | 0.033547                        |
| 2024 | 3         | 1                 | 13873        | 0                   | 2             | 5                 | 1.30                         | 0.53                      | 54                 | 53.80                      | 0.024740                        |
| 2024 | 3         | 1                 | 54344        | 0                   | 2             | 24                | 0.67                         | 0.78                      | 54.75              | 76.32                      | 0.014539                        |
| 2024 | 3         | 1                 | 68498        | 0                   | 2             | 52                | 0.88                         | 0.30                      | 55.40              | 42.59                      | 0.009917                        |
| 2024 | 3         | 1                 | 8634         | 0                   | 2             | 111               | 1.38                         | 0.27                      | 56.55              | 51.57                      | 0.070422                        |
| 2024 | 3         | 1                 | 70124        | 0                   | 2             | 55                | 0.75                         | 0.33                      | 58.54              | 39.31                      | 0.028612                        |
| 2024 | 3         | 1                 | 52621        | 0                   | 2             | 5                 | 0.37                         | 0.28                      | 60.60              | 35.60                      | 0.008565                        |
| 2024 | 3         | 1                 | 52207        | 0                   | 2             | 71                | 1.26                         | 0.28                      | 56.67              | 37.27                      | 0.049946                        |
| 2024 | 3         | 1                 | 23574        | 0                   | 2             | 42                | 0.48                         | 0.21                      | 66.36              | 55.95                      | 0.074413                        |
| 2024 | 3         | 1                 | 50110        | 0                   | 2             | 105               | 1.51                         | 0.91                      | 48.02              | 36.02                      | 0.044700                        |
| 2024 | 3         | 1                 | 20570        | 0                   | 2             | 32                | 0.92                         | 0.20                      | 66.46              | 50.54                      | 0.036358                        |
| 2024 | 3         | 1                 | 5036         | 0                   | 2             | 31                | 2.28                         | 0.24                      | 57.67              | 36.38                      | 0.047424                        |
| 2024 | 3         | 1                 | 15226        | 0                   | 2             | 25                | 1.68                         | 0.62                      | 47.13              | 38.33                      | 0.040350                        |
| 2024 | 3         | 1                 | 76246        | 0                   | 2             | 45                | 0.89                         | 0.31                      | 70.63              | 34.50                      | 0.040941                        |
| 2024 | 3         | 1                 | 18256        | 0                   | 2             | 79                | 1.14                         | 0.66                      | 60.61              | 46.01                      | 0.038703                        |
| 2024 | 3         | 1                 | 85225        | 0                   | 2             | 201               | 0.94                         | 0.37                      | 55.23              | 54.97                      | 0.020737                        |
| 2024 | 3         | 1                 | 52788        | 0                   | 2             | 164               | 1.36                         | 0.32                      | 55.76              | 39.60                      | 0.028691                        |
| 2024 | 3         | 1                 | 13655        | 0                   | 2             | 29                | 0.65                         | 0.15                      | 115.50             | 66.03                      | 0.005516                        |
| 2024 | 3         | 1                 | 27660        | 0                   | 2             | 8                 | 0.32                         | 0.40                      | 63                 | 54.22                      | 0.006727                        |
| 2024 | 3         | 1                 | 15212        | 0                   | 2             | 13                | 1.13                         | 0.51                      | 47.79              | 55.04                      | 0.059495                        |
| 2024 | 3         | 1                 | 50370        | 0                   | 2             | 22                | 0.41                         | 0.87                      | 65.42              | 48.85                      | 0.003364                        |
| 2024 | 3         | 1                 | 73043        | 0                   | 2             | 14                | 0.65                         | 0.32                      | 48.38              | 34                         | 0.039670                        |
| 2024 | 3         | 1                 | 19022        | 0                   | 2             | 20                | 1.84                         | 0.55                      | 51.90              | 42.15                      | 0.050683                        |
| 2024 | 3         | 1                 | 5873         | 0                   | 2             | 20                | 0.76                         | 0.29                      | 68.91              | 47.14                      | 0.042623                        |
| 2024 | 3         | 1                 | 15223        | 0                   | 2             | 38                | 0.56                         | 0.76                      | 72.97              | 71.20                      | 0.048764                        |
| 2024 | 3         | 1                 | 54313        | 0                   | 2             | 75                | 1.38                         | 0.29                      | 62.91              | 40.32                      | 0.027404                        |
| 2024 | 3         | 1                 | 8436         | 0                   | 2             | 33                | 1.10                         | 0.30                      | 49.98              | 37.40                      | 0.049973                        |
| 2024 | 3         | 1                 | 52490        | 0                   | 2             | 21                | 0.55                         | 0.58                      | 66.91              | 49.45                      | 0.016180                        |
| 2024 | 3         | 1                 | 20443        | 0                   | 2             | 24                | 0.29                         | 0.32                      | 60.57              | 49.16                      | 0.013150                        |
| 2024 | 3         | 1                 | 15507        | 0                   | 2             | 70                | 1.11                         | 0.65                      | 49.49              | 54.23                      | 0.031335                        |
| 2024 | 3         | 1                 | 13688        | 0                   | 2             | 95                | 1.61                         | 0.27                      | 77.31              | 46.61                      | 0.019578                        |
| 2024 | 3         | 1                 | 99001        | 0                   | 2             | 51                | 1.96                         | 0.67                      | 86.64              | 70.40                      | 0.075864                        |
| 2024 | 3         | 1                 | 25823        | 0                   | 2             | 61                | 1.19                         | 0.60                      | 48.41              | 34.60                      | 0.022774                        |
| 2024 | 3         | 1                 | 85400        | 0                   | 2             | 48                | 1.03                         | 0.30                      | 80.29              | 52.64                      | 0.029574                        |
| 2024 | 3         | 1                 | 41244        | 0                   | 2             | 51                | 1.37                         | 0.33                      | 54.25              | 32.23                      | 0.028722                        |
| 2024 | 3         | 1                 | 68318        | 0                   | 2             | 42                | 0.95                         | 0.36                      | 72.44              | 50.45                      | 0.020492                        |
| 2024 | 3         | 1                 | 23815        | 0                   | 2             | 29                | 1.03                         | 0.68                      | 49.25              | 28.44                      | 0.013867                        |
| 2024 | 3         | 1                 | 25279        | 0                   | 2             | 74                | 0.78                         | 0.61                      | 47.46              | 34.04                      | 0.026528                        |
| 2024 | 3         | 1                 | 5576         | 0                   | 2             | 57                | 1.09                         | 0.30                      | 59.31              | 36.84                      | 0.035914                        |
| 2024 | 3         | 1                 | 15236        | 0                   | 2             | 59                | 2.34                         | 0.94                      | 48.49              | 32.89                      | 0.118760                        |
| 2024 | 3         | 1                 | 73547        | 0                   | 2             | 81                | 1.41                         | 0.26                      | 47.93              | 27.24                      | 0.051300                        |
| 2024 | 3         | 1                 | 25845        | 0                   | 2             | 14                | 0.85                         | 0.60                      | 46.07              | 32.47                      | 0.030464                        |
| 2024 | 3         | 1                 | 52585        | 0                   | 2             | 88                | 3.81                         | 0.31                      | 56.64              | 28.99                      | 0.036140                        |
| 2024 | 3         | 1                 | 81591        | 0                   | 2             | 26                | 0.42                         | 0.39                      | 61.77              | 55.34                      | 0.036852                        |
| 2024 | 3         | 1                 | 86755        | 0                   | 2             | 23                | 2.03                         | 0.36                      | 53.61              | 47.64                      | 0.041692                        |
| 2024 | 3         | 1                 | 13760        | 0                   | 2             | 9                 | 1.48                         | 0.36                      | 57.50              | 23.80                      | 0.005707                        |
| 2024 | 3         | 1                 | 25653        | 0                   | 2             | 43                | 1.96                         | 0.97                      | 42.09              | 24.61                      | 0.026725                        |
| 2024 | 3         | 1                 | 13006        | 0                   | 2             | 14                | 0.88                         | 0.57                      | 61.47              | 27.94                      | 0.011840                        |
| 2024 | 3         | 1                 | 41660        | 0                   | 2             | 20                | 1.77                         | 0.29                      | 56                 | 32.57                      | 0.027453                        |
| 2024 | 3         | 1                 | 52233        | 0                   | 2             | 9                 | 3.66                         | 0.35                      | 53.73              | 12.30                      | 0.013718                        |
| 2024 | 3         | 1                 | 15092        | 0                   | 2             | 30                | 4.70                         | 1.62                      | 46.58              | 44.23                      | 0.005000                        |
| 2024 | 3         | 1                 | 52317        | 0                   | 2             | 77                | 1.03                         | 0.28                      | 60.40              | 41.73                      | 0.036112                        |
| 2024 | 3         | 1                 | 73686        | 0                   | 2             | 6                 | 0.95                         | 0.19                      | 50.20              | 62.60                      | 0.006500                        |
| 2024 | 3         | 1                 | 5543         | 0                   | 2             | 33                | 0.47                         | 0.44                      | 59.66              | 56.99                      | 0.008638                        |
| 2024 | 3         | 1                 | 5361         | 0                   | 2             | 32                | 1.68                         | 0.28                      | 55.78              | 49.82                      | 0.036649                        |
| 2024 | 3         | 1                 | 70523        | 0                   | 2             | 14                | 1.64                         | 0.31                      | 52.63              | 71.47                      | 0.033019                        |
| 2024 | 3         | 1                 | 25407        | 0                   | 2             | 76                | 0.70                         | 0.59                      | 55.06              | 49.78                      | 0.037696                        |
| 2024 | 3         | 1                 | 47703        | 0                   | 2             | 20                | 0.53                         | 0.24                      | 59.80              | 55.52                      | 0.058393                        |
| 2024 | 3         | 1                 | 13188        | 0                   | 2             | 70                | 0.82                         | 0.23                      | 76.21              | 61.87                      | 0.049297                        |
| 2024 | 3         | 1                 | 52036        | 0                   | 2             | 8                 | 2.11                         | 0.21                      | 48.38              | 20.75                      | 0.006667                        |
| 2024 | 3         | 1                 | 17388        | 0                   | 2             | 35                | 2.04                         | 0.39                      | 63.99              | 36.84                      | 0.055573                        |
| 2024 | 3         | 1                 | 13222        | 0                   | 2             | 32                | 1.98                         | 0.30                      | 55.51              | 47.92                      | 0.072555                        |
| 2024 | 3         | 1                 | 47541        | 0                   | 2             | 18                | 1.19                         | 0.33                      | 49.81              | 16.89                      | 0.035038                        |
| 2024 | 3         | 1                 | 5093         | 0                   | 2             | 137               | 1.43                         | 0.79                      | 52.54              | 32.28                      | 0.025690                        |
| 2024 | 3         | 1                 | 68855        | 0                   | 2             | 33                | 1.03                         | 0.46                      | 51.07              | 40.15                      | 0.043625                        |
| 2024 | 3         | 1                 | 68368        | 0                   | 2             | 29                | 0.83                         | 0.31                      | 57.91              | 40.76                      | 0.039259                        |
| 2024 | 3         | 1                 | 18205        | 0                   | 2             | 40                | 2.99                         | 0.41                      | 53.90              | 24.46                      | 0.098838                        |
| 2024 | 3         | 1                 | 20310        | 0                   | 2             | 5                 | 0.80                         | 0.78                      | 90.75              | 129.50                     | 0.010000                        |
| 2024 | 3         | 1                 | 68152        | 0                   | 2             | 49                | 1.60                         | 1.00                      | 50.03              | 25.21                      | 0.043947                        |
| 2024 | 3         | 1                 | 73870        | 0                   | 2             | 30                | 0.86                         | 0.35                      | 53.04              | 34.26                      | 0.078148                        |
| 2024 | 3         | 1                 | 41357        | 0                   | 2             | 45                | 1.05                         | 0.37                      | 59.76              | 42.41                      | 0.031132                        |
| 2024 | 3         | 1                 | 70400        | 0                   | 2             | 31                | 1.55                         | 0.27                      | 51.87              | 47.47                      | 0.074890                        |
| 2024 | 3         | 1                 | 27413        | 0                   | 2             | 12                | 1.19                         | 0.50                      | 55.79              | 21.93                      | 0.012182                        |
| 2024 | 3         | 1                 | 5604         | 0                   | 2             | 30                | 1.19                         | 0.24                      | 83.86              | 83.85                      | 0.097488                        |
| 2024 | 3         | 1                 | 47720        | 0                   | 2             | 8                 | 2.18                         | 0.37                      | 57.63              | 42.71                      | 0.005924                        |
| 2024 | 3         | 1                 | 5145         | 0                   | 2             | 16                | 2.30                         | 0.29                      | 60.39              | 23.35                      | 0.028434                        |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIM<br>ESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COM<br>UNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD<br>_DESCARGA | INDICADOR_VELOCIDAD<br>AD_CARGA | INDICADOR_LATE<br>NCIA | INDICADOR_FLUCTU<br>ACION_FASE | INDICADOR_TASA_PERDIDA<br>_PAQU |
|------|-----------|-----------------------|--------------|-------------------------|---------------|-------------------|----------------------------------|---------------------------------|------------------------|--------------------------------|---------------------------------|
| 2024 | 3         | 1                     | 27430        | 0                       | 2             | 7                 | 1.29                             | 0.70                            | 58.78                  | 27.38                          | 0.034067                        |
| 2024 | 3         | 1                     | 5467         | 0                       | 2             | 24                | 1.52                             | 0.29                            | 53.67                  | 35.01                          | 0.060705                        |
| 2024 | 3         | 1                     | 13212        | 0                       | 2             | 27                | 1.25                             | 0.36                            | 60.83                  | 39.67                          | 0.070876                        |
| 2024 | 3         | 1                     | 54871        | 0                       | 2             | 55                | 0.69                             | 0.65                            | 52.01                  | 32.65                          | 0.016477                        |
| 2024 | 3         | 1                     | 68176        | 0                       | 2             | 19                | 1.31                             | 0.64                            | 56.67                  | 59.16                          | 0.007970                        |
| 2024 | 3         | 1                     | 8675         | 0                       | 2             | 19                | 0.57                             | 0.34                            | 56.52                  | 58.45                          | 0.015623                        |
| 2024 | 3         | 1                     | 70771        | 0                       | 2             | 6                 | 0.70                             | 0.25                            | 80.13                  | 77.38                          | 0.063313                        |
| 2024 | 3         | 1                     | 47205        | 0                       | 2             | 28                | 1.79                             | 0.34                            | 61.20                  | 30.52                          | 0.073322                        |
| 2024 | 3         | 1                     | 47798        | 0                       | 2             | 4                 | 1.51                             | 0.28                            | 70.75                  | 119                            | 0.090833                        |
| 2024 | 3         | 1                     | 5495         | 0                       | 2             | 17                | 0.50                             | 0.30                            | 73.73                  | 46.65                          | 0.035209                        |
| 2024 | 3         | 1                     | 47960        | 0                       | 2             | 6                 | 0.86                             | 0.12                            | 58.13                  | 68.63                          | 0.021042                        |
| 2024 | 3         | 1                     | 68013        | 0                       | 2             | 17                | 2.74                             | 1.58                            | 42.18                  | 25.35                          | 0.010009                        |
| 2024 | 3         | 1                     | 27025        | 0                       | 2             | 14                | 1.64                             | 0.40                            | 68.04                  | 43                             | 0.050479                        |
| 2024 | 3         | 1                     | 19473        | 0                       | 2             | 2                 | 1.28                             | 0.16                            | 69                     | 95                             | 0.161055                        |
| 2024 | 3         | 2                     | 15516        | 0                       | 3             | 22644             | 11.89                            | 6.67                            | 36.13                  | 13.49                          | 0.029489                        |
| 2024 | 3         | 2                     | 8001         | 0                       | 3             | 575179            | 20.64                            | 11.43                           | 29.57                  | 10.30                          | 0.020913                        |
| 2024 | 3         | 2                     | 8001         | 0800102                 | 3             | 83699             | 14.51                            | 8.66                            | 29.82                  | 11.99                          | 0.024254                        |
| 2024 | 3         | 2                     | 25377        | 0                       | 3             | 27721             | 14.55                            | 8.82                            | 31.47                  | 12.20                          | 0.026704                        |
| 2024 | 3         | 2                     | 11001        | 0                       | 3             | 7591060           | 14.25                            | 11.42                           | 27.28                  | 11.38                          | 0.019535                        |
| 2024 | 3         | 2                     | 11001        | 1100113                 | 3             | 347799            | 21.75                            | 15.25                           | 27.17                  | 9.85                           | 0.016392                        |
| 2024 | 3         | 2                     | 54498        | 0                       | 3             | 21458             | 11.02                            | 7.44                            | 42.77                  | 11.97                          | 0.022347                        |
| 2024 | 3         | 2                     | 50573        | 0                       | 3             | 15128             | 9.75                             | 7.86                            | 34.19                  | 14.70                          | 0.031747                        |
| 2024 | 3         | 2                     | 11001        | 1100105                 | 3             | 232476            | 10.07                            | 8.82                            | 27.71                  | 12.63                          | 0.022298                        |
| 2024 | 3         | 2                     | 76001        | 0                       | 3             | 1161968           | 18.61                            | 10.54                           | 29.38                  | 10.62                          | 0.022263                        |
| 2024 | 3         | 2                     | 15001        | 0                       | 3             | 134702            | 13.51                            | 10.82                           | 31.46                  | 11.30                          | 0.020696                        |
| 2024 | 3         | 2                     | 50568        | 0                       | 3             | 30193             | 9.31                             | 8.03                            | 38.41                  | 16.81                          | 0.031142                        |
| 2024 | 3         | 2                     | 11001        | 1100111                 | 3             | 812734            | 15.83                            | 11.27                           | 28.17                  | 11.21                          | 0.019782                        |
| 2024 | 3         | 2                     | 68001        | 0                       | 3             | 278788            | 18.07                            | 12.56                           | 36.91                  | 10.32                          | 0.019475                        |
| 2024 | 3         | 2                     | 88001        | 0                       | 3             | 40084             | 15.73                            | 7.98                            | 43.96                  | 11.93                          | 0.022085                        |
| 2024 | 3         | 2                     | 41206        | 0                       | 3             | 1568              | 19.93                            | 8.50                            | 35.53                  | 12.10                          | 0.026149                        |
| 2024 | 3         | 2                     | 25269        | 0                       | 3             | 89916             | 10.55                            | 9.29                            | 28.35                  | 12.58                          | 0.022283                        |
| 2024 | 3         | 2                     | 76109        | 0                       | 3             | 50502             | 9.61                             | 7.69                            | 33.80                  | 12.81                          | 0.025512                        |
| 2024 | 3         | 2                     | 5001         | 0                       | 3             | 1409529           | 15.56                            | 8.56                            | 29.93                  | 11.50                          | 0.025280                        |
| 2024 | 3         | 2                     | 5001         | 0500112                 | 3             | 57255             | 16.27                            | 8.26                            | 29.15                  | 10.87                          | 0.025016                        |
| 2024 | 3         | 2                     | 13001        | 0                       | 3             | 353196            | 17.04                            | 9.23                            | 37.28                  | 11.68                          | 0.021304                        |
| 2024 | 3         | 2                     | 13001        | 1300103                 | 3             | 116158            | 15.00                            | 8.34                            | 37.26                  | 11.82                          | 0.020692                        |
| 2024 | 3         | 2                     | 50001        | 0                       | 3             | 493791            | 14.66                            | 11.23                           | 31.63                  | 11.76                          | 0.022076                        |
| 2024 | 3         | 2                     | 50001        | 5000104                 | 3             | 54143             | 12.23                            | 10.61                           | 31.83                  | 11.72                          | 0.021468                        |
| 2024 | 3         | 2                     | 20013        | 0                       | 3             | 12851             | 10.55                            | 6.37                            | 42.79                  | 13.63                          | 0.032112                        |
| 2024 | 3         | 2                     | 95001        | 0                       | 3             | 15140             | 15.98                            | 8.78                            | 34.39                  | 12.66                          | 0.025243                        |
| 2024 | 3         | 2                     | 76892        | 0                       | 2             | 2127              | 3.27                             | 0.35                            | 50.63                  | 24.81                          | 0.054085                        |
| 2024 | 3         | 2                     | 11001        | 1100109                 | 3             | 569168            | 14.82                            | 12.20                           | 27.21                  | 10.99                          | 0.018942                        |
| 2024 | 3         | 2                     | 11001        | 1100107                 | 3             | 486220            | 9.14                             | 9.03                            | 26.68                  | 12.27                          | 0.022282                        |
| 2024 | 3         | 2                     | 11001        | 1100110                 | 3             | 699508            | 15.00                            | 11.45                           | 27.65                  | 10.98                          | 0.018531                        |
| 2024 | 3         | 2                     | 19698        | 0                       | 3             | 31105             | 11.23                            | 7.55                            | 40.22                  | 12.92                          | 0.037702                        |
| 2024 | 3         | 2                     | 13001        | 1300101                 | 3             | 145372            | 20.66                            | 11.07                           | 36.69                  | 11.00                          | 0.019648                        |
| 2024 | 3         | 2                     | 76248        | 0                       | 3             | 18883             | 23.72                            | 9.08                            | 33.74                  | 11.69                          | 0.026210                        |
| 2024 | 3         | 2                     | 5360         | 0                       | 3             | 149653            | 16.75                            | 9.16                            | 32.55                  | 10.99                          | 0.027269                        |
| 2024 | 3         | 2                     | 54405        | 0                       | 3             | 41848             | 12.78                            | 9.92                            | 35.99                  | 11.16                          | 0.019364                        |
| 2024 | 3         | 2                     | 5001         | 0500108                 | 3             | 37763             | 10.20                            | 6.37                            | 29.24                  | 12.94                          | 0.028536                        |
| 2024 | 3         | 2                     | 11001        | 1100108                 | 3             | 903731            | 10.34                            | 10.22                           | 26.94                  | 11.93                          | 0.020476                        |
| 2024 | 3         | 2                     | 68276        | 0                       | 3             | 94116             | 15.09                            | 10.01                           | 37.61                  | 11.45                          | 0.021677                        |
| 2024 | 3         | 2                     | 13052        | 0                       | 3             | 14302             | 9.86                             | 4.72                            | 35.75                  | 14.79                          | 0.028346                        |
| 2024 | 3         | 2                     | 52411        | 0                       | 3             | 1324              | 13.13                            | 4.08                            | 40.84                  | 13.55                          | 0.026789                        |
| 2024 | 3         | 2                     | 73217        | 0                       | 3             | 4166              | 25.59                            | 9.93                            | 35.51                  | 13.98                          | 0.029887                        |
| 2024 | 3         | 2                     | 11001        | 1100106                 | 3             | 204137            | 11.25                            | 10.23                           | 27.06                  | 11.78                          | 0.020871                        |
| 2024 | 3         | 2                     | 11001        | 1100119                 | 3             | 388832            | 9.07                             | 9.36                            | 27.76                  | 13.15                          | 0.022390                        |
| 2024 | 3         | 2                     | 11001        | 1100102                 | 3             | 409609            | 23.76                            | 15.53                           | 27.36                  | 9.64                           | 0.015756                        |
| 2024 | 3         | 2                     | 73001        | 0                       | 3             | 342110            | 15.68                            | 9.32                            | 31.42                  | 11.91                          | 0.023146                        |
| 2024 | 3         | 2                     | 73001        | 7300109                 | 3             | 53243             | 14.02                            | 7.53                            | 31.69                  | 12.44                          | 0.024366                        |
| 2024 | 3         | 2                     | 41551        | 0                       | 3             | 45073             | 9.44                             | 8.18                            | 42.52                  | 13.74                          | 0.029810                        |
| 2024 | 3         | 2                     | 70708        | 0                       | 3             | 7610              | 8.00                             | 8.34                            | 61.35                  | 12.98                          | 0.047749                        |
| 2024 | 3         | 2                     | 25386        | 0                       | 3             | 27305             | 11.48                            | 6.37                            | 39.10                  | 14.17                          | 0.037733                        |
| 2024 | 3         | 2                     | 27001        | 0                       | 3             | 52749             | 3.44                             | 5.56                            | 49.95                  | 18.90                          | 0.037018                        |
| 2024 | 3         | 2                     | 5001         | 0500105                 | 3             | 99441             | 10.88                            | 7.52                            | 31.13                  | 13.71                          | 0.028277                        |
| 2024 | 3         | 2                     | 76001        | 7600116                 | 3             | 42302             | 15.95                            | 10.51                           | 29.27                  | 10.67                          | 0.021851                        |
| 2024 | 3         | 2                     | 19001        | 0                       | 3             | 152261            | 12.92                            | 8.85                            | 33.69                  | 11.77                          | 0.025060                        |
| 2024 | 3         | 2                     | 5001         | 0500115                 | 3             | 93774             | 20.57                            | 10.91                           | 29.60                  | 10.39                          | 0.022724                        |
| 2024 | 3         | 2                     | 17444        | 0                       | 3             | 3373              | 8.29                             | 5.89                            | 45.76                  | 11.10                          | 0.030118                        |
| 2024 | 3         | 2                     | 5088         | 0                       | 3             | 252478            | 11.21                            | 6.41                            | 30.63                  | 12.89                          | 0.029962                        |
| 2024 | 3         | 2                     | 5088         | 0508802                 | 3             | 31645             | 12.03                            | 6.22                            | 31.70                  | 13.07                          | 0.030693                        |
| 2024 | 3         | 2                     | 81001        | 0                       | 3             | 16438             | 10.69                            | 8.05                            | 45.65                  | 13.17                          | 0.032296                        |
| 2024 | 3         | 2                     | 76275        | 0                       | 3             | 19487             | 10.54                            | 8.37                            | 37.20                  | 12.58                          | 0.028990                        |
| 2024 | 3         | 2                     | 5001         | 0500113                 | 3             | 45484             | 9.45                             | 6.19                            | 31.95                  | 12.78                          | 0.029944                        |
| 2024 | 3         | 2                     | 8685         | 0                       | 3             | 7951              | 20.28                            | 4.55                            | 33.93                  | 12.14                          | 0.027159                        |
| 2024 | 3         | 2                     | 25286        | 0                       | 3             | 126132            | 11.74                            | 10.18                           | 27.79                  | 11.43                          | 0.021139                        |
| 2024 | 3         | 2                     | 70678        | 0                       | 3             | 3247              | 14.80                            | 7.98                            | 42.32                  | 14.06                          | 0.034619                        |
| 2024 | 3         | 2                     | 76520        | 0                       | 3             | 130918            | 16.42                            | 8.47                            | 31.08                  | 11.03                          | 0.025971                        |
| 2024 | 3         | 2                     | 68271        | 0                       | 3             | 1113              | 21.14                            | 5.29                            | 36.31                  | 10.91                          | 0.027391                        |
| 2024 | 3         | 2                     | 25754        | 0                       | 3             | 502412            | 11.32                            | 9.60                            | 27.58                  | 12.01                          | 0.022499                        |
| 2024 | 3         | 2                     | 25754        | 2575401                 | 3             | 80310             | 13.47                            | 10.57                           | 27.29                  | 11.39                          | 0.021436                        |
| 2024 | 3         | 2                     | 11001        | 1100101                 | 3             | 521536            | 20.25                            | 12.40                           | 27.65                  | 10.57                          | 0.018701                        |
| 2024 | 3         | 2                     | 13430        | 0                       | 3             | 17935             | 9.20                             | 7.49                            | 44.75                  | 11.74                          | 0.056241                        |
| 2024 | 3         | 2                     | 17001        | 0                       | 3             | 186965            | 15.41                            | 8.86                            | 44.11                  | 10.99                          | 0.022815                        |
| 2024 | 3         | 2                     | 11001        | 0                       | 2             | 156438            | 4.11                             | 0.38                            | 37.30                  | 22.09                          | 0.073330                        |
| 2024 | 3         | 2                     | 11001        | 1100109                 | 2             | 11621             | 4.44                             | 0.40                            | 36.92                  | 22.50                          | 0.082360                        |
| 2024 | 3         | 2                     | 76364        | 0                       | 3             | 58784             | 14.04                            | 7.98                            | 38.40                  | 11.99                          | 0.036099                        |
| 2024 | 3         | 2                     | 25899        | 0                       | 3             | 94141             | 8.32                             | 7.39                            | 33.24                  | 14.50                          | 0.026012                        |
| 2024 | 3         | 2                     | 17050        | 0                       | 3             | 2640              | 17.17                            | 7.06                            | 41.48                  | 11.27                          | 0.025433                        |
| 2024 | 3         | 2                     | 76001        | 7600112                 | 3             | 31129             | 13.94                            | 8.52                            | 31.40                  | 11.63                          | 0.024166                        |
| 2024 | 3         | 2                     | 25126        | 0                       | 3             | 84946             | 12.47                            | 8.13                            | 30.85                  | 13.45                          | 0.025282                        |
| 2024 | 3         | 2                     | 76001        | 7600102                 | 3             | 125963            | 23.39                            | 12.59                           | 28.00                  | 9.79                           | 0.019092                        |
| 2024 | 3         | 2                     | 41396        | 0                       | 3             | 14965             | 7.31                             | 6.57                            | 38.17                  | 14.28                          | 0.032148                        |
| 2024 | 3         | 2                     | 44035        | 0                       | 3             | 12581             | 9.87                             | 7.82                            | 59.84                  | 13.16                          | 0.037839                        |
| 2024 | 3         | 2                     | 11001        | 1100116                 | 3             | 456688            | 13.42                            | 11.79                           | 27.37                  | 11.68                          | 0.018917                        |
| 2024 | 3         | 2                     | 11001        | 1100103                 | 3             | 249290            | 17.18                            | 13.55                           | 26.84                  | 10.51                          | 0.017553                        |
| 2024 | 3         | 2                     | 5615         | 0                       | 3             | 121257            | 12.58                            | 6.73                            | 35.38                  | 12.56                          | 0.029048                        |
| 2024 | 3         | 2                     | 63001        | 0                       | 3             | 151554            | 16.10                            | 9.23                            | 36.71                  | 10.57                          | 0.022457                        |
| 2024 | 3         | 2                     | 5001         | 0500103                 | 3             | 35936             | 10.29                            | 5.69                            | 31.17                  | 13.54                          | 0.030380                        |
| 2024 | 3         | 2                     | 25281        | 0                       | 3             | 1541              | 8.78                             | 6.62                            | 31.78                  | 13.23                          | 0.027947                        |
| 2024 | 3         | 2                     | 52356        | 0                       | 3             | 36347             | 20.20                            | 10.96                           | 39.12                  | 11.71                          | 0.020670                        |
| 2024 | 3         | 2                     | 47001        | 0                       | 3             | 210614            | 14.89                            | 8.57                            | 42.27                  | 11.91                          | 0.027050                        |
| 2024 | 3         | 2                     | 47001        | 4700101                 | 3             | 77786             | 12.02                            | 7.63                            | 46.72                  | 12.59                          | 0.034521                        |
| 2024 | 3         | 2                     | 76736        | 0                       | 3             | 8680              | 11.97                            | 9.28                            | 37.95                  | 12.66                          | 0.035338                        |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIM<br>ESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COM<br>UNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD<br>_DESCARGA | INDICADOR_VELOCIDAD<br>AD_CARGA | INDICADOR_LATEN<br>CIA | INDICADOR_FLUCTU<br>ACION_FASE | INDICADOR_TASA_PERDIDA<br>_PAQU |
|------|-----------|-----------------------|--------------|-------------------------|---------------|-------------------|----------------------------------|---------------------------------|------------------------|--------------------------------|---------------------------------|
| 2024 | 3         | 2                     | 5631         | 0                       | 3             | 73209             | 13.67                            | 8.60                            | 30.71                  | 10.87                          | 0.025285                        |
| 2024 | 3         | 2                     | 63272        | 0                       | 3             | 8169              | 17.73                            | 7.96                            | 39.93                  | 11.95                          | 0.026488                        |
| 2024 | 3         | 2                     | 76001        | 7600103                 | 3             | 74166             | 18.86                            | 11.21                           | 29.46                  | 10.78                          | 0.021132                        |
| 2024 | 3         | 2                     | 70221        | 0                       | 2             | 371               | 2.75                             | 0.31                            | 52.50                  | 30.52                          | 0.038549                        |
| 2024 | 3         | 2                     | 76111        | 0                       | 3             | 26416             | 25.02                            | 8.70                            | 35.43                  | 11.87                          | 0.025742                        |
| 2024 | 3         | 2                     | 25754        | 2575402                 | 3             | 93961             | 9.68                             | 9.36                            | 28.02                  | 12.26                          | 0.023388                        |
| 2024 | 3         | 2                     | 68001        | -1                      | 3             | 16230             | 15.84                            | 10.87                           | 37.66                  | 10.82                          | 0.019201                        |
| 2024 | 3         | 2                     | 5001         | 0500116                 | 3             | 123844            | 19.67                            | 9.30                            | 29.74                  | 10.26                          | 0.023192                        |
| 2024 | 3         | 2                     | 11001        | 1100112                 | 3             | 301016            | 18.39                            | 13.63                           | 27.52                  | 10.10                          | 0.017029                        |
| 2024 | 3         | 2                     | 85001        | 0                       | 3             | 145309            | 10.41                            | 10.35                           | 36.16                  | 11.48                          | 0.026927                        |
| 2024 | 3         | 2                     | 76001        | 7600117                 | 3             | 105553            | 26.39                            | 13.23                           | 27.03                  | 9.80                           | 0.019742                        |
| 2024 | 3         | 2                     | 41001        | 0                       | 3             | 172840            | 14.68                            | 9.06                            | 34.78                  | 12.26                          | 0.026898                        |
| 2024 | 3         | 2                     | 25875        | 0                       | 3             | 26662             | 5.73                             | 6.08                            | 34.38                  | 14.77                          | 0.038224                        |
| 2024 | 3         | 2                     | 11001        | 1100114                 | 3             | 236631            | 14.13                            | 11.93                           | 27.12                  | 11.33                          | 0.019351                        |
| 2024 | 3         | 2                     | 5664         | 0                       | 3             | 8718              | 8.74                             | 6.97                            | 33.52                  | 11.70                          | 0.024622                        |
| 2024 | 3         | 2                     | 76001        | 7600108                 | 3             | 63927             | 17.80                            | 9.40                            | 30.12                  | 10.58                          | 0.023133                        |
| 2024 | 3         | 2                     | 8001         | 0800104                 | 3             | 187730            | 22.58                            | 12.57                           | 29.78                  | 9.78                           | 0.019005                        |
| 2024 | 3         | 2                     | 76130        | 0                       | 3             | 40076             | 15.50                            | 8.74                            | 35.42                  | 12.40                          | 0.028806                        |
| 2024 | 3         | 2                     | 25645        | 0                       | 3             | 8989              | 9.58                             | 5.54                            | 38.58                  | 15.49                          | 0.032798                        |
| 2024 | 3         | 2                     | 50001        | 5000102                 | 3             | 62690             | 16.87                            | 12.31                           | 31.46                  | 11.29                          | 0.020361                        |
| 2024 | 3         | 2                     | 17873        | 0                       | 3             | 24563             | 11.44                            | 7.10                            | 43.76                  | 11.49                          | 0.025009                        |
| 2024 | 3         | 2                     | 11001        | 1100103                 | 2             | 4646              | 4.64                             | 0.39                            | 35.89                  | 19.23                          | 0.078223                        |
| 2024 | 3         | 2                     | 25488        | 0                       | 3             | 25504             | 9.26                             | 8.26                            | 36.91                  | 14.20                          | 0.033363                        |
| 2024 | 3         | 2                     | 50006        | 0                       | 3             | 62151             | 11.10                            | 10.44                           | 33.66                  | 13.03                          | 0.023953                        |
| 2024 | 3         | 2                     | 52683        | 0                       | 3             | 2676              | 17.59                            | 5.66                            | 42.39                  | 14.18                          | 0.030258                        |
| 2024 | 3         | 2                     | 54001        | 0                       | 3             | 363059            | 10.96                            | 9.05                            | 36.87                  | 12.04                          | 0.021333                        |
| 2024 | 3         | 2                     | 54001        | 5400108                 | 3             | 33864             | 7.84                             | 8.22                            | 35.21                  | 12.25                          | 0.021267                        |
| 2024 | 3         | 2                     | 8758         | 0                       | 3             | 181146            | 15.31                            | 8.86                            | 29.09                  | 11.28                          | 0.021806                        |
| 2024 | 3         | 2                     | 8758         | 0875803                 | 3             | 31166             | 19.75                            | 9.23                            | 29.69                  | 10.30                          | 0.020635                        |
| 2024 | 3         | 2                     | 8433         | 0                       | 3             | 27697             | 16.06                            | 7.58                            | 28.94                  | 11.62                          | 0.024425                        |
| 2024 | 3         | 2                     | 25754        | 2575403                 | 3             | 162548            | 10.31                            | 9.03                            | 27.65                  | 12.16                          | 0.022435                        |
| 2024 | 3         | 2                     | 81065        | 0                       | 3             | 7171              | 7.39                             | 6.96                            | 69.27                  | 14.95                          | 0.051613                        |
| 2024 | 3         | 2                     | 66170        | 0                       | 3             | 132272            | 13.06                            | 8.69                            | 37.30                  | 11.81                          | 0.023497                        |
| 2024 | 3         | 2                     | 85162        | 0                       | 3             | 8385              | 10.29                            | 7.90                            | 41.45                  | 12.83                          | 0.030760                        |
| 2024 | 3         | 2                     | 50313        | 0                       | 3             | 34554             | 11.62                            | 9.83                            | 40.05                  | 12.84                          | 0.024989                        |
| 2024 | 3         | 2                     | 66001        | 0                       | 3             | 323849            | 14.62                            | 8.49                            | 36.44                  | 11.39                          | 0.023752                        |
| 2024 | 3         | 2                     | 73449        | 0                       | 3             | 32160             | 13.65                            | 9.09                            | 33.52                  | 12.19                          | 0.024524                        |
| 2024 | 3         | 2                     | 8558         | 0                       | 3             | 2578              | 2.11                             | 7.67                            | 40.30                  | 10.72                          | 0.100526                        |
| 2024 | 3         | 2                     | 66001        | 0                       | 2             | 10285             | 3.54                             | 0.36                            | 53.46                  | 22.50                          | 0.069063                        |
| 2024 | 3         | 2                     | 5138         | 0                       | 3             | 4000              | 8.17                             | 3.48                            | 40.20                  | 13.92                          | 0.037688                        |
| 2024 | 3         | 2                     | 54001        | 5400105                 | 3             | 39041             | 12.91                            | 10.00                           | 36.78                  | 11.29                          | 0.019466                        |
| 2024 | 3         | 2                     | 15176        | 0                       | 3             | 26564             | 11.19                            | 9.61                            | 34.13                  | 11.69                          | 0.021786                        |
| 2024 | 3         | 2                     | 68081        | 0                       | 3             | 78997             | 13.09                            | 9.10                            | 42.04                  | 11.19                          | 0.022051                        |
| 2024 | 3         | 2                     | 50001        | 5000106                 | 3             | 48333             | 14.55                            | 12.18                           | 31.35                  | 11.53                          | 0.019286                        |
| 2024 | 3         | 2                     | 20621        | 0                       | 3             | 9647              | 11.80                            | 7.75                            | 42.38                  | 12.49                          | 0.028404                        |
| 2024 | 3         | 2                     | 20001        | 0                       | 3             | 226200            | 15.38                            | 8.53                            | 38.03                  | 11.52                          | 0.024148                        |
| 2024 | 3         | 2                     | 25214        | 0                       | 3             | 78148             | 13.93                            | 9.18                            | 30.04                  | 11.14                          | 0.025441                        |
| 2024 | 3         | 2                     | 5318         | 0                       | 3             | 26242             | 7.85                             | 3.99                            | 34.51                  | 14.62                          | 0.035275                        |
| 2024 | 3         | 2                     | 15759        | 0                       | 3             | 78600             | 9.16                             | 8.92                            | 38.32                  | 11.89                          | 0.022386                        |
| 2024 | 3         | 2                     | 5001         | 0500110                 | 3             | 234375            | 14.71                            | 9.64                            | 29.73                  | 11.47                          | 0.022694                        |
| 2024 | 3         | 2                     | 5308         | 0                       | 3             | 27485             | 12.62                            | 6.80                            | 30.99                  | 11.39                          | 0.026774                        |
| 2024 | 3         | 2                     | 54001        | 5400104                 | 3             | 36827             | 10.41                            | 8.42                            | 38.54                  | 12.69                          | 0.023430                        |
| 2024 | 3         | 2                     | 5001         | 0500114                 | 3             | 156316            | 23.38                            | 11.05                           | 28.08                  | 10.01                          | 0.020940                        |
| 2024 | 3         | 2                     | 73001        | 7300101                 | 3             | 40788             | 17.15                            | 12.62                           | 31.04                  | 10.86                          | 0.018689                        |
| 2024 | 3         | 2                     | 73001        | 7300110                 | 3             | 29698             | 16.11                            | 10.87                           | 31.19                  | 10.84                          | 0.020449                        |
| 2024 | 3         | 2                     | 11001        | 1100115                 | 3             | 176494            | 12.50                            | 10.89                           | 27.35                  | 11.40                          | 0.019138                        |
| 2024 | 3         | 2                     | 50689        | 0                       | 3             | 10828             | 9.37                             | 10.12                           | 35.07                  | 11.69                          | 0.035615                        |
| 2024 | 3         | 2                     | 44560        | 0                       | 3             | 6041              | 4.50                             | 4.42                            | 57.78                  | 17.32                          | 0.033898                        |
| 2024 | 3         | 2                     | 8001         | 0800105                 | 3             | 90769             | 29.33                            | 13.89                           | 29.36                  | 9.29                           | 0.017740                        |
| 2024 | 3         | 2                     | 68001        | 6800101                 | 3             | 12949             | 9.31                             | 7.35                            | 35.85                  | 12.28                          | 0.024123                        |
| 2024 | 3         | 2                     | 25307        | 0                       | 3             | 65245             | 18.58                            | 11.41                           | 31.19                  | 10.41                          | 0.020753                        |
| 2024 | 3         | 2                     | 76001        | 7600111                 | 3             | 45856             | 17.06                            | 10.01                           | 29.34                  | 10.10                          | 0.021936                        |
| 2024 | 3         | 2                     | 8758         | 0875801                 | 3             | 54202             | 14.38                            | 9.59                            | 28.89                  | 10.97                          | 0.020344                        |
| 2024 | 3         | 2                     | 63401        | 0                       | 3             | 14140             | 14.31                            | 7.86                            | 40.25                  | 11.75                          | 0.026976                        |
| 2024 | 3         | 2                     | 66400        | 0                       | 3             | 11566             | 9.12                             | 7.80                            | 35.40                  | 10.82                          | 0.022301                        |
| 2024 | 3         | 2                     | 25743        | 0                       | 3             | 21112             | 7.06                             | 5.05                            | 33.31                  | 16.98                          | 0.033510                        |
| 2024 | 3         | 2                     | 54172        | 0                       | 3             | 10597             | 8.60                             | 6.88                            | 37.76                  | 12.85                          | 0.023800                        |
| 2024 | 3         | 2                     | 5440         | 0                       | 3             | 27068             | 7.33                             | 4.59                            | 36.62                  | 15.17                          | 0.035221                        |
| 2024 | 3         | 2                     | 47189        | 0                       | 3             | 20695             | 9.04                             | 5.96                            | 35.35                  | 13.75                          | 0.027308                        |
| 2024 | 3         | 2                     | 25473        | 0                       | 3             | 153623            | 11.09                            | 10.67                           | 27.46                  | 11.27                          | 0.021652                        |
| 2024 | 3         | 2                     | 76001        | 7600105                 | 3             | 65898             | 20.75                            | 11.49                           | 28.18                  | 9.67                           | 0.019933                        |
| 2024 | 3         | 2                     | 76001        | 7600104                 | 3             | 57750             | 21.49                            | 12.23                           | 27.86                  | 9.46                           | 0.018420                        |
| 2024 | 3         | 2                     | 17174        | 0                       | 3             | 18763             | 12.18                            | 8.37                            | 39.31                  | 11.06                          | 0.028889                        |
| 2024 | 3         | 2                     | 76001        | 7600119                 | 3             | 137868            | 19.42                            | 10.60                           | 28.95                  | 10.28                          | 0.020884                        |
| 2024 | 3         | 2                     | 15299        | 0                       | 3             | 7354              | 13.64                            | 8.92                            | 32.66                  | 11.70                          | 0.024071                        |
| 2024 | 3         | 2                     | 5129         | 0                       | 3             | 27247             | 13.75                            | 6.95                            | 33.64                  | 11.36                          | 0.031454                        |
| 2024 | 3         | 2                     | 47245        | 0                       | 3             | 10421             | 8.29                             | 9.03                            | 40.57                  | 11.65                          | 0.033727                        |
| 2024 | 3         | 2                     | 76001        | 7600110                 | 3             | 56407             | 22.53                            | 11.80                           | 29.26                  | 9.68                           | 0.020956                        |
| 2024 | 3         | 2                     | 11001        | 1100118                 | 3             | 288046            | 10.17                            | 9.28                            | 27.53                  | 12.20                          | 0.021145                        |
| 2024 | 3         | 2                     | 11001        | 1100117                 | 3             | 68806             | 21.84                            | 13.55                           | 26.45                  | 9.95                           | 0.018239                        |
| 2024 | 3         | 2                     | 5591         | 0                       | 3             | 8678              | 9.64                             | 3.32                            | 63.39                  | 16.04                          | 0.031789                        |
| 2024 | 3         | 2                     | 76834        | 0                       | 3             | 48953             | 21.61                            | 9.67                            | 32.93                  | 11.32                          | 0.025336                        |
| 2024 | 3         | 2                     | 13836        | 0                       | 3             | 32712             | 14.69                            | 5.69                            | 37.46                  | 13.54                          | 0.028881                        |
| 2024 | 3         | 2                     | 25513        | 0                       | 3             | 17564             | 9.89                             | 6.96                            | 29.28                  | 12.46                          | 0.024649                        |
| 2024 | 3         | 2                     | 5266         | 0                       | 3             | 120767            | 24.29                            | 10.03                           | 30.02                  | 10.08                          | 0.023594                        |
| 2024 | 3         | 2                     | 63130        | 0                       | 3             | 28923             | 11.17                            | 6.06                            | 37.81                  | 11.99                          | 0.027181                        |
| 2024 | 3         | 2                     | 25200        | 0                       | 3             | 16153             | 11.09                            | 6.77                            | 31.36                  | 14.13                          | 0.028439                        |
| 2024 | 3         | 2                     | 73001        | 7300111                 | 3             | 8536              | 13.16                            | 9.48                            | 30.70                  | 12.14                          | 0.022816                        |
| 2024 | 3         | 2                     | 5890         | 0                       | 3             | 3931              | 14.20                            | 4.79                            | 33.52                  | 13.63                          | 0.028433                        |
| 2024 | 3         | 2                     | 68307        | 0                       | 3             | 49729             | 11.97                            | 8.61                            | 39.05                  | 12.19                          | 0.022767                        |
| 2024 | 3         | 2                     | 54001        | 5400106                 | 3             | 40921             | 9.25                             | 8.74                            | 36.30                  | 11.67                          | 0.019516                        |
| 2024 | 3         | 2                     | 20060        | 0                       | 3             | 15343             | 7.43                             | 6.84                            | 39.19                  | 14.47                          | 0.026714                        |
| 2024 | 3         | 2                     | 54001        | 5400103                 | 3             | 18968             | 11.00                            | 8.25                            | 36.43                  | 12.12                          | 0.021674                        |
| 2024 | 3         | 2                     | 73001        | 7300104                 | 3             | 28296             | 18.07                            | 12.23                           | 30.41                  | 10.61                          | 0.018264                        |
| 2024 | 3         | 2                     | 25175        | 0                       | 3             | 151145            | 14.47                            | 10.33                           | 31.08                  | 11.73                          | 0.026193                        |
| 2024 | 3         | 2                     | 25785        | 0                       | 3             | 17977             | 11.56                            | 6.95                            | 30.18                  | 12.87                          | 0.025468                        |
| 2024 | 3         | 2                     | 68679        | 0                       | 3             | 16867             | 14.37                            | 7.78                            | 37.16                  | 12.00                          | 0.023746                        |
| 2024 | 3         | 2                     | 5607         | 0                       | 3             | 15404             | 16.08                            | 5.26                            | 42.44                  | 12.74                          | 0.029437                        |
| 2024 | 3         | 2                     | 25290        | 0                       | 3             | 104219            | 13.56                            | 9.39                            | 30.30                  | 12.40                          | 0.025939                        |
| 2024 | 3         | 2                     | 13001        | 1300102                 | 3             | 71005             | 14.36                            | 7.53                            | 36.95                  | 12.05                          | 0.021772                        |
| 2024 | 3         | 2                     | 23001        | 0                       | 3             | 202308            | 14.18                            | 9.34                            | 42.37                  | 11.53                          | 0.022708                        |
| 2024 | 3         | 2                     | 23001        | 2300103                 | 3             | 16478             | 11.42                            | 8.09                            | 40.97                  | 11.77                          | 0.021502                        |
| 2024 | 3         | 2                     | 25312        | 0                       | 3             | 11534             | 12.52                            | 7.64                            | 30.78                  | 12.46                          | 0.025718                        |
| 2024 | 3         | 2                     | 66045        | 0                       | 3             | 2502              | 13.43                            | 3.86                            | 41.28                  | 14.17                          | 0.033177                        |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIMESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COMUNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD_DESCARGA | INDICADOR_VELOCIDAD_AD_CARGA | INDICADOR_LATENCIA | INDICADOR_FLUCTUACION_FASE | INDICADOR_TASA_PERDIDA_PAQU |
|------|-----------|-------------------|--------------|---------------------|---------------|-------------------|------------------------------|------------------------------|--------------------|----------------------------|-----------------------------|
| 2024 | 3         | 2                 | 25279        | 0                   | 3             | 4230              | 4.66                         | 4.76                         | 31.57              | 14.74                      | 0.028245                    |
| 2024 | 3         | 2                 | 5088         | 0508806             | 3             | 18442             | 8.41                         | 5.38                         | 29.13              | 12.46                      | 0.031813                    |
| 2024 | 3         | 2                 | 23466        | 0                   | 3             | 14088             | 9.03                         | 7.41                         | 98.30              | 14.60                      | 0.039802                    |
| 2024 | 3         | 2                 | 68432        | 0                   | 3             | 6835              | 9.54                         | 9.75                         | 41.80              | 13.00                      | 0.021074                    |
| 2024 | 3         | 2                 | 18001        | 0                   | 3             | 82594             | 12.76                        | 9.80                         | 41.15              | 12.91                      | 0.023223                    |
| 2024 | 3         | 2                 | 11001        | 1100104             | 3             | 235740            | 11.40                        | 9.34                         | 27.09              | 12.11                      | 0.021606                    |
| 2024 | 3         | 2                 | 50683        | 0                   | 3             | 2264              | 20.88                        | 10.32                        | 34.05              | 12.72                      | 0.022576                    |
| 2024 | 3         | 2                 | 5148         | 0                   | 3             | 22938             | 8.27                         | 5.21                         | 36.04              | 13.79                      | 0.034100                    |
| 2024 | 3         | 2                 | 68001        | 6800115             | 3             | 22589             | 20.58                        | 15.39                        | 36.45              | 9.58                       | 0.016266                    |
| 2024 | 3         | 2                 | 20001        | 2000105             | 3             | 49436             | 16.28                        | 8.15                         | 34.77              | 11.40                      | 0.023207                    |
| 2024 | 3         | 2                 | 76892        | 0                   | 3             | 87147             | 15.10                        | 9.40                         | 30.20              | 10.87                      | 0.022544                    |
| 2024 | 3         | 2                 | 76243        | 0                   | 3             | 1285              | 16.32                        | 5.64                         | 41.77              | 13.17                      | 0.027561                    |
| 2024 | 3         | 2                 | 54001        | 5400102             | 3             | 61689             | 13.37                        | 9.88                         | 37.25              | 11.79                      | 0.019892                    |
| 2024 | 3         | 2                 | 52001        | 0                   | 3             | 158518            | 15.80                        | 8.11                         | 37.34              | 12.58                      | 0.023365                    |
| 2024 | 3         | 2                 | 76147        | 0                   | 3             | 33544             | 18.86                        | 11.04                        | 32.11              | 10.00                      | 0.020386                    |
| 2024 | 3         | 2                 | 5364         | 0                   | 3             | 4137              | 6.09                         | 5.52                         | 62.05              | 13.85                      | 0.049284                    |
| 2024 | 3         | 2                 | 44001        | 0                   | 3             | 64317             | 10.92                        | 7.30                         | 48.54              | 11.90                      | 0.026601                    |
| 2024 | 3         | 2                 | 68770        | 0                   | 3             | 2917              | 25.65                        | 7.15                         | 45.56              | 12.60                      | 0.029133                    |
| 2024 | 3         | 2                 | 20001        | 2000102             | 3             | 35182             | 16.66                        | 10.34                        | 40.50              | 11.17                      | 0.020792                    |
| 2024 | 3         | 2                 | 5088         | 0508808             | 3             | 48392             | 11.06                        | 7.49                         | 30.71              | 11.48                      | 0.026436                    |
| 2024 | 3         | 2                 | 52786        | 0                   | 3             | 3302              | 11.05                        | 4.26                         | 43.15              | 14.06                      | 0.037854                    |
| 2024 | 3         | 2                 | 17614        | 0                   | 3             | 10757             | 11.15                        | 7.65                         | 39.86              | 10.99                      | 0.023753                    |
| 2024 | 3         | 2                 | 44098        | 0                   | 3             | 5954              | 19.09                        | 9.96                         | 63.73              | 12.17                      | 0.034670                    |
| 2024 | 3         | 2                 | 8001         | 0800101             | 3             | 93752             | 16.83                        | 9.67                         | 29.61              | 11.67                      | 0.023237                    |
| 2024 | 3         | 2                 | 47692        | 0                   | 3             | 3446              | 4.95                         | 7.92                         | 44.49              | 12.14                      | 0.033764                    |
| 2024 | 3         | 2                 | 86001        | 0                   | 3             | 21251             | 7.84                         | 6.64                         | 42.61              | 15.32                      | 0.028025                    |
| 2024 | 3         | 2                 | 25817        | 0                   | 3             | 68160             | 8.68                         | 7.91                         | 32.43              | 14.39                      | 0.028402                    |
| 2024 | 3         | 2                 | 76828        | 0                   | 3             | 2148              | 13.82                        | 7.24                         | 33.22              | 12.93                      | 0.024814                    |
| 2024 | 3         | 2                 | 68547        | 0                   | 3             | 47236             | 10.83                        | 6.74                         | 40.60              | 13.02                      | 0.027729                    |
| 2024 | 3         | 2                 | 85010        | 0                   | 3             | 18365             | 9.18                         | 10.00                        | 38.73              | 12.17                      | 0.031871                    |
| 2024 | 3         | 2                 | 73001        | 7300108             | 3             | 31951             | 16.20                        | 7.98                         | 32.15              | 13.12                      | 0.025547                    |
| 2024 | 3         | 2                 | 5237         | 0                   | 3             | 7094              | 8.09                         | 6.01                         | 35.55              | 12.06                      | 0.039960                    |
| 2024 | 3         | 2                 | 25754        | 2575406             | 3             | 49769             | 13.66                        | 11.10                        | 27.12              | 11.29                      | 0.020896                    |
| 2024 | 3         | 2                 | 25402        | 0                   | 3             | 18227             | 5.96                         | 4.12                         | 37.43              | 15.37                      | 0.046707                    |
| 2024 | 3         | 2                 | 5001         | 0500101             | 3             | 19417             | 8.59                         | 5.77                         | 30.14              | 13.60                      | 0.029209                    |
| 2024 | 3         | 2                 | 54001        | 0                   | 2             | 6544              | 2.94                         | 0.38                         | 45.67              | 27.77                      | 0.056718                    |
| 2024 | 3         | 2                 | 54001        | 5400101             | 2             | 995               | 3.60                         | 0.37                         | 44.34              | 25.75                      | 0.053611                    |
| 2024 | 3         | 2                 | 47001        | 4700103             | 3             | 50715             | 18.09                        | 10.44                        | 41.33              | 11.27                      | 0.023225                    |
| 2024 | 3         | 2                 | 41359        | 0                   | 3             | 3545              | 11.10                        | 8.06                         | 48.41              | 12.60                      | 0.041897                    |
| 2024 | 3         | 2                 | 50001        | 5000101             | 3             | 24487             | 20.13                        | 12.26                        | 30.84              | 10.27                      | 0.019563                    |
| 2024 | 3         | 2                 | 73268        | 0                   | 3             | 31726             | 13.78                        | 9.76                         | 32.20              | 11.68                      | 0.026838                    |
| 2024 | 3         | 2                 | 20001        | 2000104             | 3             | 32792             | 14.03                        | 7.44                         | 35.87              | 11.78                      | 0.025242                    |
| 2024 | 3         | 2                 | 20001        | 2000103             | 3             | 30598             | 13.03                        | 6.74                         | 36.54              | 12.14                      | 0.028304                    |
| 2024 | 3         | 2                 | 54518        | 0                   | 2             | 603               | 1.89                         | 0.35                         | 51.67              | 40.70                      | 0.022291                    |
| 2024 | 3         | 2                 | 47745        | 0                   | 3             | 7520              | 7.74                         | 7.63                         | 32.83              | 13.95                      | 0.038447                    |
| 2024 | 3         | 2                 | 5490         | 0                   | 3             | 12345             | 7.11                         | 5.60                         | 47.59              | 15.39                      | 0.028702                    |
| 2024 | 3         | 2                 | 47980        | 0                   | 3             | 11209             | 17.92                        | 6.22                         | 34.85              | 15.34                      | 0.032409                    |
| 2024 | 3         | 2                 | 20032        | 0                   | 3             | 3223              | 23.08                        | 6.76                         | 38.62              | 11.77                      | 0.026930                    |
| 2024 | 3         | 2                 | 50001        | 5000107             | 3             | 74419             | 13.53                        | 11.11                        | 31.46              | 12.07                      | 0.020846                    |
| 2024 | 3         | 2                 | 54874        | 0                   | 3             | 34652             | 12.16                        | 8.43                         | 37.04              | 13.03                      | 0.022844                    |
| 2024 | 3         | 2                 | 19397        | 0                   | 3             | 2085              | 19.77                        | 5.32                         | 38.01              | 13.08                      | 0.035444                    |
| 2024 | 3         | 2                 | 5088         | 0508804             | 3             | 47253             | 12.70                        | 7.60                         | 29.39              | 11.42                      | 0.025502                    |
| 2024 | 3         | 2                 | 63190        | 0                   | 3             | 12598             | 11.58                        | 7.40                         | 38.87              | 11.91                      | 0.025656                    |
| 2024 | 3         | 2                 | 68861        | 0                   | 3             | 5673              | 8.06                         | 9.35                         | 43.52              | 15.50                      | 0.039046                    |
| 2024 | 3         | 2                 | 54001        | 5400101             | 3             | 50576             | 14.41                        | 11.48                        | 36.27              | 11.47                      | 0.017573                    |
| 2024 | 3         | 2                 | 5667         | 0                   | 3             | 4988              | 9.46                         | 4.39                         | 33.56              | 13.72                      | 0.024594                    |
| 2024 | 3         | 2                 | 19824        | 0                   | 3             | 2379              | 6.34                         | 3.01                         | 45.86              | 15.35                      | 0.080415                    |
| 2024 | 3         | 2                 | 76001        | 7600114             | 3             | 40402             | 9.57                         | 9.16                         | 33.71              | 12.56                      | 0.026691                    |
| 2024 | 3         | 2                 | 25430        | 0                   | 3             | 122291            | 11.94                        | 9.40                         | 28.02              | 12.49                      | 0.023361                    |
| 2024 | 3         | 2                 | 19130        | 0                   | 3             | 5580              | 9.35                         | 5.43                         | 41.37              | 15.01                      | 0.047941                    |
| 2024 | 3         | 2                 | 76895        | 0                   | 3             | 15801             | 22.92                        | 9.98                         | 34.55              | 11.15                      | 0.025207                    |
| 2024 | 3         | 2                 | 91001        | 0                   | 3             | 21880             | 4.42                         | 4.63                         | 128.93             | 28.17                      | 0.029754                    |
| 2024 | 3         | 2                 | 18753        | 0                   | 3             | 11518             | 6.56                         | 8.16                         | 47.56              | 13.82                      | 0.033817                    |
| 2024 | 3         | 2                 | 99001        | 0                   | 3             | 10669             | 2.32                         | 5.18                         | 126.41             | 23.51                      | 0.089851                    |
| 2024 | 3         | 2                 | 25754        | 2575405             | 3             | 84105             | 12.57                        | 10.40                        | 26.68              | 11.54                      | 0.021515                    |
| 2024 | 3         | 2                 | 5154         | 0                   | 3             | 34280             | 9.32                         | 7.72                         | 40.06              | 12.75                      | 0.025106                    |
| 2024 | 3         | 2                 | 15542        | 0                   | 3             | 1672              | 12.44                        | 5.08                         | 31.48              | 13.06                      | 0.028110                    |
| 2024 | 3         | 2                 | 25436        | 0                   | 3             | 1308              | 11.42                        | 3.74                         | 40.57              | 12.82                      | 0.035382                    |
| 2024 | 3         | 2                 | 47001        | 4700102             | 3             | 66454             | 16.01                        | 8.94                         | 39.37              | 11.36                      | 0.021212                    |
| 2024 | 3         | 2                 | 8573         | 0                   | 3             | 32335             | 22.41                        | 10.39                        | 30.28              | 10.18                      | 0.022308                    |
| 2024 | 3         | 2                 | 68001        | 6800103             | 3             | 27745             | 18.12                        | 13.22                        | 36.07              | 10.00                      | 0.018109                    |
| 2024 | 3         | 2                 | 50001        | 5000108             | 3             | 65292             | 13.83                        | 10.28                        | 32.11              | 11.98                      | 0.023203                    |
| 2024 | 3         | 2                 | 5001         | 0500107             | 3             | 86504             | 13.88                        | 7.49                         | 30.66              | 12.11                      | 0.027962                    |
| 2024 | 3         | 2                 | 41298        | 0                   | 3             | 29156             | 7.72                         | 7.12                         | 43.00              | 14.40                      | 0.031692                    |
| 2024 | 3         | 2                 | 70001        | 0                   | 3             | 86624             | 11.83                        | 7.51                         | 34.15              | 11.73                      | 0.023426                    |
| 2024 | 3         | 2                 | 5101         | 0                   | 3             | 6162              | 9.68                         | 5.79                         | 35.32              | 13.74                      | 0.029734                    |
| 2024 | 3         | 2                 | 76001        | 7600106             | 3             | 37129             | 14.22                        | 8.68                         | 27.51              | 10.81                      | 0.023066                    |
| 2024 | 3         | 2                 | 20001        | 0                   | 2             | 4853              | 3.07                         | 0.35                         | 53.83              | 25.94                      | 0.064339                    |
| 2024 | 3         | 2                 | 20001        | 2000101             | 2             | 711               | 2.76                         | 0.37                         | 54.31              | 27.59                      | 0.074712                    |
| 2024 | 3         | 2                 | 17524        | 0                   | 3             | 7746              | 15.81                        | 8.50                         | 41.61              | 10.93                      | 0.024678                    |
| 2024 | 3         | 2                 | 17380        | 0                   | 3             | 36792             | 11.68                        | 7.02                         | 40.15              | 11.60                      | 0.028526                    |
| 2024 | 3         | 2                 | 5040         | 0                   | 3             | 3849              | 6.03                         | 6.05                         | 36.88              | 13.75                      | 0.032504                    |
| 2024 | 3         | 2                 | 11001        | 1100116             | 2             | 8831              | 4.12                         | 0.37                         | 36.59              | 21.38                      | 0.070944                    |
| 2024 | 3         | 2                 | 47170        | 0                   | 3             | 2849              | 15.96                        | 10.32                        | 49.53              | 10.74                      | 0.032266                    |
| 2024 | 3         | 2                 | 5212         | 0                   | 3             | 39538             | 13.27                        | 6.88                         | 29.76              | 11.25                      | 0.027703                    |
| 2024 | 3         | 2                 | 23660        | 0                   | 2             | 604               | 2.01                         | 0.32                         | 52.26              | 39.33                      | 0.053404                    |
| 2024 | 3         | 2                 | 5306         | 0                   | 3             | 3889              | 7.08                         | 6.28                         | 34.64              | 12.97                      | 0.041750                    |
| 2024 | 3         | 2                 | 70429        | 0                   | 3             | 2387              | 8.64                         | 5.45                         | 51.16              | 14.79                      | 0.042538                    |
| 2024 | 3         | 2                 | 73319        | 0                   | 3             | 10568             | 13.86                        | 9.44                         | 34.29              | 12.99                      | 0.025688                    |
| 2024 | 3         | 2                 | 66075        | 0                   | 3             | 3287              | 10.11                        | 5.25                         | 39.75              | 13.74                      | 0.030491                    |
| 2024 | 3         | 2                 | 13468        | 0                   | 3             | 11670             | 8.78                         | 6.09                         | 44.47              | 13.49                      | 0.032467                    |
| 2024 | 3         | 2                 | 54518        | 0                   | 3             | 19268             | 9.30                         | 8.29                         | 45.87              | 14.26                      | 0.024112                    |
| 2024 | 3         | 2                 | 41524        | 0                   | 3             | 13963             | 16.96                        | 8.24                         | 36.39              | 12.53                      | 0.034363                    |
| 2024 | 3         | 2                 | 20011        | 0                   | 3             | 33906             | 12.01                        | 7.54                         | 61.00              | 11.96                      | 0.029404                    |
| 2024 | 3         | 2                 | 68406        | 0                   | 3             | 8359              | 17.57                        | 9.71                         | 43.59              | 13.05                      | 0.024721                    |
| 2024 | 3         | 2                 | 47551        | 0                   | 3             | 2794              | 26.43                        | 7.29                         | 34.75              | 11.97                      | 0.029982                    |
| 2024 | 3         | 2                 | 44090        | 0                   | 3             | 9437              | 11.14                        | 5.28                         | 49.62              | 15.32                      | 0.032585                    |
| 2024 | 3         | 2                 | 85125        | 0                   | 3             | 2736              | 8.59                         | 5.55                         | 46.89              | 15.05                      | 0.038828                    |
| 2024 | 3         | 2                 | 76036        | 0                   | 3             | 5572              | 18.05                        | 7.32                         | 37.28              | 11.53                      | 0.027502                    |
| 2024 | 3         | 2                 | 11001        | 1100118             | 2             | 5743              | 3.01                         | 0.39                         | 37.35              | 25.34                      | 0.068139                    |
| 2024 | 3         | 2                 | 15238        | 0                   | 3             | 74489             | 12.08                        | 11.07                        | 33.58              | 10.87                      | 0.018604                    |
| 2024 | 3         | 2                 | 8001         | 0800103             | 3             | 103290            | 19.51                        | 11.30                        | 29.01              | 10.34                      | 0.020990                    |
| 2024 | 3         | 2                 | 54001        | 5400107             | 3             | 34427             | 7.73                         | 7.31                         | 45.98              | 12.46                      | 0.028632                    |
| 2024 | 3         | 2                 | 47460        | 0                   | 3             | 4803              | 8.79                         | 7.82                         | 38.36              | 11.45                      | 0.031728                    |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIMESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COMUNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD_DESCARGA | INDICADOR_VELOCIDAD_CARGA | INDICADOR_LATENCIA | INDICADOR_FLUCTUACION_FASE | INDICADOR_TASA_PERDIDA_PAQUETES |
|------|-----------|-------------------|--------------|---------------------|---------------|-------------------|------------------------------|---------------------------|--------------------|----------------------------|---------------------------------|
| 2024 | 3         | 2                 | 54001        | 5400102             | 2             | 1278              | 3.60                         | 0.38                      | 45.34              | 25.60                      | 0.063307                        |
| 2024 | 3         | 2                 | 20001        | 2000101             | 3             | 36908             | 13.69                        | 9.76                      | 40.97              | 10.84                      | 0.020749                        |
| 2024 | 3         | 2                 | 25612        | 0                   | 3             | 19427             | 18.62                        | 6.29                      | 33.65              | 12.64                      | 0.028218                        |
| 2024 | 3         | 2                 | 23001        | 2300108             | 3             | 43659             | 18.02                        | 10.20                     | 42.69              | 11.10                      | 0.021420                        |
| 2024 | 3         | 2                 | 76001        | 7600120             | 3             | 9895              | 15.60                        | 8.57                      | 29.04              | 11.18                      | 0.023300                        |
| 2024 | 3         | 2                 | 76622        | 0                   | 3             | 6860              | 17.59                        | 7.45                      | 35.93              | 12.24                      | 0.029204                        |
| 2024 | 3         | 2                 | 5079         | 0                   | 3             | 16443             | 9.79                         | 4.11                      | 31.91              | 13.45                      | 0.030949                        |
| 2024 | 3         | 2                 | 25322        | 0                   | 3             | 11767             | 9.07                         | 5.65                      | 31.72              | 13.03                      | 0.043663                        |
| 2024 | 3         | 2                 | 15293        | 0                   | 3             | 1136              | 27.57                        | 8.83                      | 35.69              | 12.07                      | 0.026841                        |
| 2024 | 3         | 2                 | 5250         | 0                   | 3             | 10612             | 6.58                         | 5.48                      | 37.82              | 14.67                      | 0.033250                        |
| 2024 | 3         | 2                 | 25183        | 0                   | 3             | 10108             | 13.05                        | 7.62                      | 33.51              | 14.45                      | 0.029264                        |
| 2024 | 3         | 2                 | 68001        | 6800112             | 3             | 40506             | 21.12                        | 14.74                     | 36.68              | 9.80                       | 0.017050                        |
| 2024 | 3         | 2                 | 11001        | 1100102             | 2             | 9364              | 5.96                         | 0.39                      | 36.71              | 19.10                      | 0.080736                        |
| 2024 | 3         | 2                 | 8758         | 0875804             | 3             | 51343             | 12.88                        | 7.74                      | 28.85              | 12.00                      | 0.024137                        |
| 2024 | 3         | 2                 | 23079        | 0                   | 3             | 2745              | 18.37                        | 6.98                      | 52.21              | 15.59                      | 0.032764                        |
| 2024 | 3         | 2                 | 8296         | 0                   | 3             | 20462             | 16.06                        | 8.36                      | 30.12              | 11.58                      | 0.023486                        |
| 2024 | 3         | 2                 | 25658        | 0                   | 3             | 11406             | 6.02                         | 5.00                      | 34.01              | 15.00                      | 0.037398                        |
| 2024 | 3         | 2                 | 5579         | 0                   | 3             | 10844             | 12.48                        | 7.26                      | 34.36              | 11.61                      | 0.025725                        |
| 2024 | 3         | 2                 | 8638         | 0                   | 3             | 19922             | 12.66                        | 8.06                      | 33.84              | 12.51                      | 0.025275                        |
| 2024 | 3         | 2                 | 23001        | 2300105             | 3             | 36166             | 14.94                        | 10.68                     | 40.82              | 10.87                      | 0.020538                        |
| 2024 | 3         | 2                 | 5001         | 0500104             | 3             | 67802             | 11.69                        | 7.78                      | 30.65              | 12.88                      | 0.027585                        |
| 2024 | 3         | 2                 | 13838        | 0                   | 3             | 3227              | 9.42                         | 3.50                      | 35.87              | 15.00                      | 0.034030                        |
| 2024 | 3         | 2                 | 5887         | 0                   | 3             | 13281             | 8.67                         | 6.37                      | 39.96              | 12.71                      | 0.029433                        |
| 2024 | 3         | 2                 | 73555        | 0                   | 3             | 3041              | 9.28                         | 8.46                      | 60.40              | 17.28                      | 0.052405                        |
| 2024 | 3         | 2                 | 76001        | 7600115             | 3             | 11775             | 10.18                        | 6.67                      | 30.71              | 13.95                      | 0.028284                        |
| 2024 | 3         | 2                 | 25769        | 0                   | 3             | 8946              | 7.49                         | 6.01                      | 71.95              | 17.44                      | 0.038493                        |
| 2024 | 3         | 2                 | 5088         | 0508805             | 3             | 17901             | 6.85                         | 3.75                      | 31.64              | 16.48                      | 0.035346                        |
| 2024 | 3         | 2                 | 23162        | 0                   | 3             | 23628             | 16.23                        | 7.97                      | 45.33              | 12.85                      | 0.025954                        |
| 2024 | 3         | 2                 | 68001        | 6800110             | 3             | 19397             | 16.55                        | 10.29                     | 38.41              | 11.82                      | 0.022505                        |
| 2024 | 3         | 2                 | 25326        | 0                   | 3             | 5864              | 10.13                        | 6.69                      | 29.58              | 11.43                      | 0.024966                        |
| 2024 | 3         | 2                 | 52835        | 0                   | 3             | 29734             | 10.25                        | 6.88                      | 42.37              | 13.79                      | 0.031535                        |
| 2024 | 3         | 2                 | 19573        | 0                   | 3             | 14653             | 10.89                        | 6.64                      | 45.50              | 14.94                      | 0.033439                        |
| 2024 | 3         | 2                 | 5001         | 0500109             | 3             | 60138             | 15.25                        | 7.98                      | 28.97              | 11.25                      | 0.025439                        |
| 2024 | 3         | 2                 | 20250        | 0                   | 3             | 11487             | 12.93                        | 6.16                      | 40.74              | 13.97                      | 0.040326                        |
| 2024 | 3         | 2                 | 76001        | 7600107             | 3             | 38404             | 15.72                        | 7.85                      | 29.12              | 11.00                      | 0.022515                        |
| 2024 | 3         | 2                 | 5837         | 0                   | 3             | 33653             | 7.43                         | 6.50                      | 39.38              | 14.40                      | 0.026240                        |
| 2024 | 3         | 2                 | 68001        | 6800106             | 3             | 21578             | 20.73                        | 15.61                     | 36.66              | 9.70                       | 0.017275                        |
| 2024 | 3         | 2                 | 25772        | 0                   | 3             | 7785              | 6.91                         | 4.60                      | 36.87              | 15.10                      | 0.033313                        |
| 2024 | 3         | 2                 | 19743        | 0                   | 3             | 3707              | 8.48                         | 2.57                      | 36.94              | 13.21                      | 0.093212                        |
| 2024 | 3         | 2                 | 5001         | 0500102             | 3             | 24154             | 7.44                         | 6.48                      | 31.91              | 14.24                      | 0.028149                        |
| 2024 | 3         | 2                 | 5045         | 0                   | 3             | 53952             | 9.47                         | 7.50                      | 35.97              | 12.25                      | 0.025267                        |
| 2024 | 3         | 2                 | 17042        | 0                   | 3             | 10391             | 15.68                        | 7.47                      | 40.50              | 11.75                      | 0.027305                        |
| 2024 | 3         | 2                 | 73443        | 0                   | 3             | 12112             | 16.60                        | 9.15                      | 32.80              | 12.62                      | 0.025852                        |
| 2024 | 3         | 2                 | 47707        | 0                   | 3             | 4511              | 13.33                        | 8.24                      | 34.20              | 11.94                      | 0.023760                        |
| 2024 | 3         | 2                 | 41016        | 0                   | 3             | 6187              | 14.56                        | 6.40                      | 38.28              | 15.54                      | 0.032686                        |
| 2024 | 3         | 2                 | 13655        | 0                   | 2             | 39                | 0.69                         | 0.19                      | 106.33             | 68.91                      | 0.020012                        |
| 2024 | 3         | 2                 | 95015        | 0                   | 2             | 42                | 0.97                         | 0.55                      | 95.83              | 34.91                      | 0.031032                        |
| 2024 | 3         | 2                 | 76001        | 7600109             | 3             | 47114             | 17.92                        | 10.02                     | 30.74              | 10.43                      | 0.021658                        |
| 2024 | 3         | 2                 | 25745        | 0                   | 3             | 5474              | 9.58                         | 5.05                      | 37.74              | 13.97                      | 0.028631                        |
| 2024 | 3         | 2                 | 5088         | 0508803             | 3             | 24352             | 14.90                        | 7.50                      | 31.04              | 11.98                      | 0.027811                        |
| 2024 | 3         | 2                 | 17867        | 0                   | 3             | 3942              | 7.26                         | 5.60                      | 58.60              | 12.66                      | 0.039299                        |
| 2024 | 3         | 2                 | 85325        | 0                   | 3             | 2952              | 12.92                        | 7.37                      | 42.26              | 14.42                      | 0.036567                        |
| 2024 | 3         | 2                 | 25491        | 0                   | 3             | 5456              | 9.45                         | 3.48                      | 36.80              | 14.74                      | 0.038033                        |
| 2024 | 3         | 2                 | 17088        | 0                   | 2             | 204               | 1.22                         | 0.34                      | 61.12              | 39.83                      | 0.046649                        |
| 2024 | 3         | 2                 | 68001        | 6800113             | 3             | 45314             | 19.90                        | 13.27                     | 36.37              | 9.82                       | 0.018212                        |
| 2024 | 3         | 2                 | 86568        | 0                   | 3             | 17204             | 10.94                        | 8.24                      | 45.51              | 13.94                      | 0.041561                        |
| 2024 | 3         | 2                 | 8436         | 0                   | 3             | 3105              | 10.64                        | 5.10                      | 38.10              | 11.99                      | 0.046020                        |
| 2024 | 3         | 2                 | 8001         | 0                   | 2             | 12353             | 4.48                         | 0.36                      | 42.83              | 21.74                      | 0.070938                        |
| 2024 | 3         | 2                 | 8001         | 0800104             | 2             | 4463              | 4.97                         | 0.36                      | 42.63              | 21.28                      | 0.071287                        |
| 2024 | 3         | 2                 | 25151        | 0                   | 3             | 12485             | 11.17                        | 6.79                      | 34.04              | 14.49                      | 0.031797                        |
| 2024 | 3         | 2                 | 25815        | 0                   | 3             | 11398             | 5.98                         | 7.01                      | 39.66              | 13.38                      | 0.046872                        |
| 2024 | 3         | 2                 | 5042         | 0                   | 3             | 12126             | 7.14                         | 4.45                      | 30.57              | 12.47                      | 0.030696                        |
| 2024 | 3         | 2                 | 5088         | 0508809             | 3             | 12164             | 13.60                        | 5.58                      | 29.35              | 13.43                      | 0.031594                        |
| 2024 | 3         | 2                 | 15183        | 0                   | 3             | 1154              | 16.71                        | 4.43                      | 39.77              | 13.25                      | 0.031207                        |
| 2024 | 3         | 2                 | 70429        | 0                   | 2             | 23                | 0.93                         | 0.36                      | 57.02              | 47.02                      | 0.065336                        |
| 2024 | 3         | 2                 | 68001        | 0                   | 2             | 6357              | 4.15                         | 0.36                      | 45.68              | 27.06                      | 0.059231                        |
| 2024 | 3         | 2                 | 23672        | 0                   | 3             | 5312              | 14.81                        | 3.82                      | 42.58              | 15.43                      | 0.034481                        |
| 2024 | 3         | 2                 | 25718        | 0                   | 3             | 6073              | 9.45                         | 3.86                      | 33.49              | 17.29                      | 0.032649                        |
| 2024 | 3         | 2                 | 20517        | 0                   | 3             | 5948              | 5.90                         | 6.29                      | 57.87              | 12.53                      | 0.050861                        |
| 2024 | 3         | 2                 | 50573        | 0                   | 2             | 1032              | 1.74                         | 0.79                      | 50.50              | 43.79                      | 0.044250                        |
| 2024 | 3         | 2                 | 5234         | 0                   | 3             | 3527              | 7.84                         | 5.90                      | 39.59              | 12.99                      | 0.029079                        |
| 2024 | 3         | 2                 | 13244        | 0                   | 3             | 11608             | 5.88                         | 6.24                      | 46.86              | 13.64                      | 0.037297                        |
| 2024 | 3         | 2                 | 44430        | 0                   | 3             | 22817             | 10.42                        | 8.28                      | 59.39              | 13.56                      | 0.038264                        |
| 2024 | 3         | 2                 | 20001        | 2000104             | 2             | 697               | 2.94                         | 0.35                      | 53.87              | 26.85                      | 0.047631                        |
| 2024 | 3         | 2                 | 85440        | 0                   | 3             | 20726             | 9.29                         | 8.94                      | 43.78              | 13.67                      | 0.032074                        |
| 2024 | 3         | 2                 | 20045        | 0                   | 3             | 5841              | 15.11                        | 7.93                      | 41.47              | 12.62                      | 0.026349                        |
| 2024 | 3         | 2                 | 8078         | 0                   | 3             | 13874             | 9.69                         | 5.04                      | 34.15              | 14.11                      | 0.029818                        |
| 2024 | 3         | 2                 | 17777        | 0                   | 3             | 5398              | 6.11                         | 6.75                      | 42.56              | 12.33                      | 0.032745                        |
| 2024 | 3         | 2                 | 76497        | 0                   | 3             | 1567              | 21.88                        | 7.87                      | 43.95              | 14.76                      | 0.025486                        |
| 2024 | 3         | 2                 | 47058        | 0                   | 3             | 8016              | 9.94                         | 8.25                      | 40.33              | 12.92                      | 0.025369                        |
| 2024 | 3         | 2                 | 54051        | 0                   | 3             | 2030              | 14.22                        | 4.07                      | 40.15              | 12.25                      | 0.026582                        |
| 2024 | 3         | 2                 | 5861         | 0                   | 3             | 4015              | 19.46                        | 6.62                      | 34.90              | 10.90                      | 0.030000                        |
| 2024 | 3         | 2                 | 19455        | 0                   | 3             | 8618              | 10.33                        | 8.27                      | 41.57              | 12.08                      | 0.051417                        |
| 2024 | 3         | 2                 | 5001         | 0500106             | 3             | 42881             | 13.13                        | 6.09                      | 30.13              | 12.44                      | 0.029071                        |
| 2024 | 3         | 2                 | 44279        | 0                   | 3             | 9593              | 12.65                        | 6.76                      | 48.36              | 14.48                      | 0.031095                        |
| 2024 | 3         | 2                 | 73686        | 0                   | 3             | 644               | 18.65                        | 3.33                      | 34.49              | 13.50                      | 0.032422                        |
| 2024 | 3         | 2                 | 70233        | 0                   | 3             | 1529              | 21.89                        | 5.82                      | 37.04              | 11.89                      | 0.030837                        |
| 2024 | 3         | 2                 | 41885        | 0                   | 3             | 3348              | 11.14                        | 6.56                      | 60.48              | 13.11                      | 0.040385                        |
| 2024 | 3         | 2                 | 76520        | 0                   | 2             | 4825              | 3.72                         | 0.35                      | 52.16              | 24.61                      | 0.064297                        |
| 2024 | 3         | 2                 | 25486        | 0                   | 3             | 7920              | 11.08                        | 6.18                      | 30.09              | 14.45                      | 0.027250                        |
| 2024 | 3         | 2                 | 44078        | 0                   | 3             | 7171              | 7.59                         | 6.07                      | 53.76              | 14.94                      | 0.061652                        |
| 2024 | 3         | 2                 | 5495         | 0                   | 3             | 3145              | 6.84                         | 4.90                      | 44.17              | 14.68                      | 0.042318                        |
| 2024 | 3         | 2                 | 13647        | 0                   | 2             | 114               | 1.08                         | 0.35                      | 54.34              | 39.66                      | 0.027327                        |
| 2024 | 3         | 2                 | 23189        | 0                   | 3             | 9577              | 8.11                         | 7.88                      | 49.31              | 13.56                      | 0.030547                        |
| 2024 | 3         | 2                 | 18410        | 0                   | 3             | 2224              | 7.03                         | 6.16                      | 48.11              | 15.62                      | 0.054121                        |
| 2024 | 3         | 2                 | 70400        | 0                   | 3             | 1236              | 22.74                        | 8.93                      | 40.66              | 12.07                      | 0.025943                        |
| 2024 | 3         | 2                 | 5756         | 0                   | 3             | 7153              | 6.26                         | 4.84                      | 57.58              | 15.04                      | 0.047009                        |
| 2024 | 3         | 2                 | 5113         | 0                   | 3             | 5972              | 5.56                         | 4.14                      | 35.69              | 17.13                      | 0.028926                        |
| 2024 | 3         | 2                 | 5483         | 0                   | 3             | 1488              | 17.71                        | 3.73                      | 45.54              | 13.74                      | 0.026561                        |
| 2024 | 3         | 2                 | 8758         | 0875802             | 3             | 44054             | 16.60                        | 9.07                      | 29.08              | 10.91                      | 0.021628                        |
| 2024 | 3         | 2                 | 15238        | 0                   | 2             | 2124              | 2.68                         | 1.01                      | 41.75              | 29.80                      | 0.037887                        |
| 2024 | 3         | 2                 | 63594        | 0                   | 3             | 13111             | 11.95                        | 8.07                      | 42.27              | 11.89                      | 0.028363                        |
| 2024 | 3         | 2                 | 13473        | 0                   | 3             | 2450              | 17.20                        | 6.06                      | 43.38              | 10.29                      | 0.014338                        |
| 2024 | 3         | 2                 | 15572        | 0                   | 3             | 17436             | 11.52                        | 6.89                      | 35.30              | 12.63                      | 0.028284                        |





INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIM<br>ESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COM<br>UNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD<br>_DESCARGA | INDICADOR_VELOCIDAD<br>AD_CARGA | INDICADOR_LATE<br>NCIA | INDICADOR_FLUCTU<br>ACION_FASE | INDICADOR_TASA_PERDIDA<br>_PAQU |
|------|-----------|-----------------------|--------------|-------------------------|---------------|-------------------|----------------------------------|---------------------------------|------------------------|--------------------------------|---------------------------------|
| 2024 | 3         | 2                     | 70215        | 0                       | 3             | 17916             | 15.05                            | 6.67                            | 41.34                  | 11.84                          | 0.024064                        |
| 2024 | 3         | 2                     | 5686         | 0                       | 3             | 11926             | 7.99                             | 7.22                            | 36.08                  | 13.11                          | 0.039234                        |
| 2024 | 3         | 2                     | 27787        | 0                       | 3             | 3298              | 7.26                             | 6.58                            | 47.13                  | 14.90                          | 0.034976                        |
| 2024 | 3         | 2                     | 25843        | 0                       | 3             | 32275             | 6.00                             | 9.03                            | 30.46                  | 12.66                          | 0.019211                        |
| 2024 | 3         | 2                     | 68001        | 6800104                 | 3             | 9589              | 16.96                            | 12.37                           | 37.99                  | 10.45                          | 0.019612                        |
| 2024 | 3         | 2                     | 76001        | 7600121                 | 3             | 20058             | 11.17                            | 7.94                            | 35.70                  | 12.54                          | 0.033607                        |
| 2024 | 3         | 2                     | 11001        | 1100104                 | 2             | 4529              | 3.03                             | 0.39                            | 37.19                  | 25.00                          | 0.057396                        |
| 2024 | 3         | 2                     | 52207        | 0                       | 3             | 2154              | 17.49                            | 4.69                            | 42.12                  | 13.86                          | 0.030465                        |
| 2024 | 3         | 2                     | 68001        | 6800116                 | 3             | 11794             | 21.29                            | 13.79                           | 36.94                  | 10.07                          | 0.018644                        |
| 2024 | 3         | 2                     | 25320        | 0                       | 3             | 18322             | 7.69                             | 5.67                            | 34.62                  | 14.62                          | 0.030650                        |
| 2024 | 3         | 2                     | 5411         | 0                       | 3             | 1932              | 17.51                            | 6.80                            | 32.26                  | 9.22                           | 0.026810                        |
| 2024 | 3         | 2                     | 66318        | 0                       | 3             | 2932              | 13.33                            | 6.62                            | 41.81                  | 12.88                          | 0.029306                        |
| 2024 | 3         | 2                     | 5197         | 0                       | 3             | 6807              | 8.89                             | 3.84                            | 38.43                  | 14.15                          | 0.033856                        |
| 2024 | 3         | 2                     | 18610        | 0                       | 3             | 2668              | 11.80                            | 5.41                            | 46.70                  | 13.16                          | 0.030742                        |
| 2024 | 3         | 2                     | 73411        | 0                       | 3             | 10401             | 14.16                            | 9.00                            | 34.74                  | 12.40                          | 0.022463                        |
| 2024 | 3         | 2                     | 41132        | 0                       | 3             | 7829              | 7.47                             | 6.32                            | 48.90                  | 15.72                          | 0.033173                        |
| 2024 | 3         | 2                     | 19100        | 0                       | 3             | 1881              | 12.90                            | 3.99                            | 44.15                  | 15.57                          | 0.036249                        |
| 2024 | 3         | 2                     | 52240        | 0                       | 3             | 7849              | 11.28                            | 6.25                            | 43.19                  | 12.51                          | 0.041714                        |
| 2024 | 3         | 2                     | 95015        | 0                       | 3             | 1144              | 37.39                            | 7.69                            | 37.67                  | 12.02                          | 0.027051                        |
| 2024 | 3         | 2                     | 5400         | 0                       | 3             | 6809              | 13.79                            | 7.55                            | 51.29                  | 13.76                          | 0.030636                        |
| 2024 | 3         | 2                     | 25862        | 0                       | 3             | 2967              | 19.32                            | 4.95                            | 31.10                  | 12.84                          | 0.028494                        |
| 2024 | 3         | 2                     | 73001        | 7300103                 | 3             | 18288             | 16.59                            | 11.61                           | 31.30                  | 10.92                          | 0.019118                        |
| 2024 | 3         | 2                     | 5001         | 0500111                 | 3             | 141724            | 19.13                            | 9.36                            | 29.96                  | 10.15                          | 0.023710                        |
| 2024 | 3         | 2                     | 50001        | 5000103                 | 3             | 35413             | 17.75                            | 15.44                           | 30.85                  | 10.37                          | 0.018502                        |
| 2024 | 3         | 2                     | 15455        | 0                       | 3             | 4569              | 11.47                            | 8.60                            | 30.24                  | 10.02                          | 0.021531                        |
| 2024 | 3         | 2                     | 25758        | 0                       | 3             | 30044             | 19.03                            | 9.89                            | 31.80                  | 11.27                          | 0.023522                        |
| 2024 | 3         | 2                     | 47258        | 0                       | 3             | 2209              | 18.39                            | 11.68                           | 35.44                  | 10.46                          | 0.031033                        |
| 2024 | 3         | 2                     | 76001        | 7600101                 | 3             | 12941             | 14.97                            | 7.43                            | 30.66                  | 11.01                          | 0.024770                        |
| 2024 | 3         | 2                     | 20001        | 2000106                 | 3             | 24665             | 21.18                            | 10.36                           | 38.03                  | 10.29                          | 0.020642                        |
| 2024 | 3         | 2                     | 25099        | 0                       | 3             | 7971              | 7.86                             | 4.84                            | 33.52                  | 15.14                          | 0.034030                        |
| 2024 | 3         | 2                     | 23001        | 2300104                 | 3             | 24226             | 11.19                            | 8.82                            | 41.79                  | 11.64                          | 0.021225                        |
| 2024 | 3         | 2                     | 86885        | 0                       | 3             | 9643              | 10.34                            | 9.70                            | 44.90                  | 13.18                          | 0.037566                        |
| 2024 | 3         | 2                     | 5031         | 0                       | 3             | 3803              | 10.41                            | 7.57                            | 36.49                  | 11.64                          | 0.028965                        |
| 2024 | 3         | 2                     | 70204        | 0                       | 3             | 786               | 21.48                            | 7.15                            | 54.26                  | 11.75                          | 0.031252                        |
| 2024 | 3         | 2                     | 76400        | 0                       | 3             | 5124              | 12.87                            | 8.18                            | 39.40                  | 11.93                          | 0.032412                        |
| 2024 | 3         | 2                     | 25740        | 0                       | 3             | 35116             | 9.11                             | 8.11                            | 33.17                  | 14.11                          | 0.024932                        |
| 2024 | 3         | 2                     | 19532        | 0                       | 3             | 5762              | 14.24                            | 6.45                            | 39.32                  | 15.11                          | 0.033489                        |
| 2024 | 3         | 2                     | 25873        | 0                       | 3             | 6654              | 14.10                            | 7.00                            | 32.21                  | 13.50                          | 0.024988                        |
| 2024 | 3         | 2                     | 44847        | 0                       | 3             | 14904             | 2.03                             | 4.00                            | 63.22                  | 20.23                          | 0.048684                        |
| 2024 | 3         | 2                     | 25572        | 0                       | 3             | 8927              | 7.32                             | 3.59                            | 54.80                  | 15.58                          | 0.038284                        |
| 2024 | 3         | 2                     | 8372         | 0                       | 3             | 4423              | 14.29                            | 6.62                            | 40.87                  | 13.30                          | 0.022260                        |
| 2024 | 3         | 2                     | 68872        | 0                       | 3             | 1453              | 6.55                             | 2.53                            | 39.58                  | 13.20                          | 0.026784                        |
| 2024 | 3         | 2                     | 5679         | 0                       | 3             | 6739              | 12.14                            | 6.72                            | 34.16                  | 12.04                          | 0.032074                        |
| 2024 | 3         | 2                     | 5761         | 0                       | 3             | 7490              | 8.93                             | 3.21                            | 34.13                  | 14.63                          | 0.034787                        |
| 2024 | 3         | 2                     | 23068        | 0                       | 3             | 7568              | 7.20                             | 5.51                            | 51.55                  | 14.32                          | 0.043499                        |
| 2024 | 3         | 2                     | 47268        | 0                       | 3             | 2710              | 17.60                            | 8.16                            | 31.35                  | 14.07                          | 0.026088                        |
| 2024 | 3         | 2                     | 23001        | 2300107                 | 3             | 12323             | 20.51                            | 12.74                           | 42.18                  | 10.60                          | 0.018470                        |
| 2024 | 3         | 2                     | 19845        | 0                       | 3             | 9034              | 11.99                            | 6.19                            | 31.26                  | 13.54                          | 0.032586                        |
| 2024 | 3         | 2                     | 50001        | 5000105                 | 3             | 87458             | 14.54                            | 11.44                           | 31.29                  | 11.54                          | 0.021408                        |
| 2024 | 3         | 2                     | 23090        | 0                       | 3             | 1712              | 9.56                             | 10.06                           | 63.69                  | 17.06                          | 0.033634                        |
| 2024 | 3         | 2                     | 17653        | 0                       | 3             | 4575              | 20.82                            | 7.96                            | 43.35                  | 9.69                           | 0.023288                        |
| 2024 | 3         | 2                     | 20175        | 0                       | 3             | 5396              | 14.66                            | 7.44                            | 37.04                  | 12.65                          | 0.025912                        |
| 2024 | 3         | 2                     | 5856         | 0                       | 3             | 2013              | 10.14                            | 3.24                            | 35.02                  | 12.90                          | 0.035657                        |
| 2024 | 3         | 2                     | 47288        | 0                       | 3             | 14194             | 12.77                            | 8.48                            | 30.25                  | 11.93                          | 0.023450                        |
| 2024 | 3         | 2                     | 27361        | 0                       | 3             | 8817              | 4.04                             | 4.69                            | 42.23                  | 16.57                          | 0.031033                        |
| 2024 | 3         | 2                     | 70670        | 0                       | 3             | 6434              | 11.08                            | 6.93                            | 46.85                  | 13.52                          | 0.024629                        |
| 2024 | 3         | 2                     | 76606        | 0                       | 3             | 4127              | 20.88                            | 6.79                            | 35.99                  | 11.66                          | 0.025859                        |
| 2024 | 3         | 2                     | 76306        | 0                       | 2             | 180               | 1.79                             | 0.32                            | 54.20                  | 29.85                          | 0.048348                        |
| 2024 | 3         | 2                     | 54174        | 0                       | 3             | 4380              | 13.75                            | 8.69                            | 39.56                  | 11.95                          | 0.020266                        |
| 2024 | 3         | 2                     | 23555        | 0                       | 3             | 11897             | 13.45                            | 8.35                            | 50.01                  | 12.84                          | 0.025903                        |
| 2024 | 3         | 2                     | 73675        | 0                       | 3             | 2400              | 8.88                             | 3.64                            | 37.51                  | 14.02                          | 0.028324                        |
| 2024 | 3         | 2                     | 54206        | 0                       | 3             | 1007              | 0.27                             | 2.21                            | 60.85                  | 13.97                          | 0.056894                        |
| 2024 | 3         | 2                     | 50606        | 0                       | 3             | 13635             | 13.34                            | 7.74                            | 34.28                  | 14.11                          | 0.036107                        |
| 2024 | 3         | 2                     | 76001        | 7600118                 | 3             | 21459             | 14.41                            | 8.65                            | 29.56                  | 11.30                          | 0.022378                        |
| 2024 | 3         | 2                     | 76001        | 7600113                 | 3             | 51232             | 11.10                            | 9.40                            | 31.95                  | 12.34                          | 0.023787                        |
| 2024 | 3         | 2                     | 76001        | 7600122                 | 3             | 15653             | 31.11                            | 13.64                           | 27.99                  | 9.66                           | 0.025500                        |
| 2024 | 3         | 2                     | 5789         | 0                       | 3             | 2337              | 12.13                            | 6.23                            | 33.14                  | 11.35                          | 0.029693                        |
| 2024 | 3         | 2                     | 68502        | 0                       | 3             | 895               | 19.24                            | 5.16                            | 41.47                  | 13.86                          | 0.035582                        |
| 2024 | 3         | 2                     | 41349        | 0                       | 3             | 4614              | 13.93                            | 7.27                            | 45.04                  | 12.86                          | 0.030956                        |
| 2024 | 3         | 2                     | 5585         | 0                       | 3             | 3949              | 14.11                            | 5.32                            | 58.05                  | 13.81                          | 0.022973                        |
| 2024 | 3         | 2                     | 25295        | 0                       | 3             | 12828             | 16.12                            | 9.28                            | 33.16                  | 12.93                          | 0.029256                        |
| 2024 | 3         | 2                     | 73001        | 7300112                 | 3             | 11932             | 10.71                            | 8.96                            | 31.26                  | 12.52                          | 0.022443                        |
| 2024 | 3         | 2                     | 54261        | 0                       | 3             | 7678              | 9.26                             | 6.63                            | 42.38                  | 14.99                          | 0.026940                        |
| 2024 | 3         | 2                     | 52079        | 0                       | 3             | 2923              | 10.16                            | 3.33                            | 44.22                  | 17.56                          | 0.034303                        |
| 2024 | 3         | 2                     | 50370        | 0                       | 3             | 4186              | 7.73                             | 5.66                            | 57.01                  | 17.89                          | 0.028197                        |
| 2024 | 3         | 2                     | 5819         | 0                       | 3             | 2670              | 15.95                            | 6.10                            | 55.85                  | 13.33                          | 0.036357                        |
| 2024 | 3         | 2                     | 85410        | 0                       | 3             | 11655             | 5.13                             | 7.69                            | 103.42                 | 15.37                          | 0.052378                        |
| 2024 | 3         | 2                     | 15632        | 0                       | 3             | 2215              | 18.06                            | 7.13                            | 36.35                  | 14.02                          | 0.030784                        |
| 2024 | 3         | 2                     | 41615        | 0                       | 3             | 8637              | 20.29                            | 8.10                            | 35.20                  | 13.14                          | 0.032537                        |
| 2024 | 3         | 2                     | 15469        | 0                       | 3             | 12680             | 8.19                             | 7.85                            | 36.83                  | 13.20                          | 0.025208                        |
| 2024 | 3         | 2                     | 66088        | 0                       | 3             | 6216              | 12.33                            | 6.50                            | 39.15                  | 12.14                          | 0.024161                        |
| 2024 | 3         | 2                     | 86573        | 0                       | 3             | 7475              | 6.84                             | 7.98                            | 49.78                  | 14.33                          | 0.032049                        |
| 2024 | 3         | 2                     | 70771        | 0                       | 3             | 1845              | 16.55                            | 7.09                            | 44.78                  | 13.65                          | 0.040053                        |
| 2024 | 3         | 2                     | 54001        | 5400110                 | 3             | 16399             | 9.89                             | 8.97                            | 35.68                  | 11.88                          | 0.020190                        |
| 2024 | 3         | 2                     | 19001        | 0                       | 2             | 3662              | 2.44                             | 0.33                            | 52.80                  | 30.32                          | 0.063861                        |
| 2024 | 3         | 2                     | 66682        | 0                       | 3             | 34276             | 8.60                             | 5.99                            | 37.79                  | 12.66                          | 0.029248                        |
| 2024 | 3         | 2                     | 5380         | 0                       | 3             | 38469             | 14.44                            | 7.44                            | 32.00                  | 11.79                          | 0.027509                        |
| 2024 | 3         | 2                     | 17388        | 0                       | 3             | 1028              | 22.60                            | 9.75                            | 53.97                  | 10.80                          | 0.027274                        |
| 2024 | 3         | 2                     | 5790         | 0                       | 3             | 4321              | 19.96                            | 8.18                            | 42.43                  | 11.04                          | 0.028678                        |
| 2024 | 3         | 2                     | 27075        | 0                       | 3             | 4099              | 1.29                             | 4.88                            | 50.16                  | 13.70                          | 0.076544                        |
| 2024 | 3         | 2                     | 23001        | 2300101                 | 3             | 14706             | 9.32                             | 8.17                            | 41.00                  | 11.80                          | 0.021314                        |
| 2024 | 3         | 2                     | 73678        | 0                       | 3             | 6590              | 19.16                            | 9.44                            | 34.18                  | 14.53                          | 0.026751                        |
| 2024 | 3         | 2                     | 73001        | 7300106                 | 3             | 20738             | 19.07                            | 8.79                            | 30.19                  | 11.27                          | 0.023555                        |
| 2024 | 3         | 2                     | 23660        | 0                       | 3             | 15205             | 19.49                            | 10.40                           | 37.20                  | 11.43                          | 0.021151                        |
| 2024 | 3         | 2                     | 76233        | 0                       | 3             | 15126             | 8.92                             | 4.29                            | 40.37                  | 14.89                          | 0.046447                        |
| 2024 | 3         | 2                     | 68296        | 0                       | 3             | 486               | 19.88                            | 5.01                            | 38.33                  | 14.66                          | 0.030075                        |
| 2024 | 3         | 2                     | 5313         | 0                       | 3             | 3058              | 10.34                            | 7.34                            | 33.88                  | 13.10                          | 0.025750                        |
| 2024 | 3         | 2                     | 23807        | 0                       | 3             | 14344             | 4.20                             | 8.10                            | 54.68                  | 13.54                          | 0.068739                        |
| 2024 | 3         | 2                     | 5885         | 0                       | 3             | 2039              | 17.25                            | 4.52                            | 34.19                  | 15.09                          | 0.032320                        |
| 2024 | 3         | 2                     | 41319        | 0                       | 3             | 2695              | 10.12                            | 9.60                            | 44.32                  | 14.25                          | 0.036628                        |
| 2024 | 3         | 2                     | 25224        | 0                       | 3             | 4123              | 7.32                             | 3.56                            | 38.54                  | 18.34                          | 0.032328                        |
| 2024 | 3         | 2                     | 20178        | 0                       | 3             | 7271              | 13.72                            | 9.06                            | 44.98                  | 12.07                          | 0.028357                        |
| 2024 | 3         | 2                     | 11001        | 1100110                 | 2             | 15358             | 4.08                             | 0.38                            | 36.23                  | 22.08                          | 0.072630                        |
| 2024 | 3         | 2                     | 5895         | 0                       | 3             | 5903              | 11.34                            | 7.01                            | 42.88                  | 14.41                          | 0.033096                        |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
AMBITO GEOGRAFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIM<br>ESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COM<br>UNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD<br>_DESCARGA | INDICADOR_VELOCIDAD<br>AD_CARGA | INDICADOR_LATEN<br>CIA | INDICADOR_FLUCTU<br>ACION_FASE | INDICADOR_TASA_PERDIDA<br>_PAQU |
|------|-----------|-----------------------|--------------|-------------------------|---------------|-------------------|----------------------------------|---------------------------------|------------------------|--------------------------------|---------------------------------|
| 2024 | 3         | 2                     | 68162        | 0                       | 3             | 1534              | 12.54                            | 4.68                            | 42.59                  | 14.54                          | 0.027014                        |
| 2024 | 3         | 2                     | 52110        | 0                       | 3             | 4745              | 14.28                            | 5.94                            | 41.44                  | 13.72                          | 0.030708                        |
| 2024 | 3         | 2                     | 73067        | 0                       | 3             | 2306              | 19.08                            | 4.14                            | 36.97                  | 14.75                          | 0.031118                        |
| 2024 | 3         | 2                     | 54001        | 5400109                 | 3             | 17765             | 10.06                            | 8.51                            | 35.47                  | 12.49                          | 0.020866                        |
| 2024 | 3         | 2                     | 5088         | 0508801                 | 3             | 10336             | 13.29                            | 6.99                            | 30.86                  | 11.28                          | 0.028232                        |
| 2024 | 3         | 2                     | 5147         | 0                       | 3             | 19778             | 9.36                             | 6.59                            | 36.90                  | 13.02                          | 0.026301                        |
| 2024 | 3         | 2                     | 5051         | 0                       | 3             | 5496              | 6.16                             | 5.29                            | 45.14                  | 14.99                          | 0.029494                        |
| 2024 | 3         | 2                     | 5376         | 0                       | 3             | 25491             | 10.82                            | 4.86                            | 44.05                  | 13.63                          | 0.034614                        |
| 2024 | 3         | 2                     | 76001        | 0                       | 2             | 29234             | 4.06                             | 0.36                            | 50.26                  | 23.08                          | 0.067079                        |
| 2024 | 3         | 2                     | 76001        | 7600103                 | 2             | 1885              | 4.36                             | 0.35                            | 49.53                  | 23.18                          | 0.078533                        |
| 2024 | 3         | 2                     | 25430        | 0                       | 2             | 2881              | 3.05                             | 0.37                            | 39.29                  | 28.46                          | 0.070811                        |
| 2024 | 3         | 2                     | 5091         | 0                       | 3             | 2560              | 7.45                             | 3.73                            | 34.61                  | 11.91                          | 0.040610                        |
| 2024 | 3         | 2                     | 25260        | 0                       | 3             | 20087             | 10.16                            | 8.34                            | 35.44                  | 14.71                          | 0.027043                        |
| 2024 | 3         | 2                     | 25181        | 0                       | 3             | 5996              | 12.93                            | 9.25                            | 40.82                  | 14.12                          | 0.034810                        |
| 2024 | 3         | 2                     | 70717        | 0                       | 3             | 2815              | 19.62                            | 7.36                            | 39.62                  | 11.99                          | 0.024714                        |
| 2024 | 3         | 2                     | 5642         | 0                       | 3             | 1670              | 19.20                            | 4.48                            | 33.51                  | 11.37                          | 0.034892                        |
| 2024 | 3         | 2                     | 19256        | 0                       | 3             | 4080              | 14.91                            | 6.22                            | 43.92                  | 15.46                          | 0.039146                        |
| 2024 | 3         | 2                     | 81736        | 0                       | 3             | 13098             | 8.33                             | 9.33                            | 42.33                  | 11.33                          | 0.036577                        |
| 2024 | 3         | 2                     | 17524        | 0                       | 2             | 294               | 2.79                             | 0.74                            | 53.76                  | 28.27                          | 0.026485                        |
| 2024 | 3         | 2                     | 54810        | 0                       | 3             | 12458             | 10.42                            | 6.37                            | 43.78                  | 16.72                          | 0.030541                        |
| 2024 | 3         | 2                     | 73001        | 7300105                 | 3             | 26431             | 18.05                            | 9.62                            | 30.59                  | 11.16                          | 0.023244                        |
| 2024 | 3         | 2                     | 13873        | 0                       | 3             | 1326              | 17.31                            | 3.97                            | 38.29                  | 15.36                          | 0.036225                        |
| 2024 | 3         | 2                     | 13222        | 0                       | 3             | 2643              | 23.17                            | 8.86                            | 36.72                  | 11.28                          | 0.022035                        |
| 2024 | 3         | 2                     | 13683        | 0                       | 3             | 3946              | 8.26                             | 6.57                            | 46.31                  | 16.76                          | 0.027852                        |
| 2024 | 3         | 2                     | 13655        | 0                       | 3             | 1164              | 22.65                            | 10.40                           | 55.39                  | 11.14                          | 0.036712                        |
| 2024 | 3         | 2                     | 20013        | 0                       | 2             | 193               | 0.95                             | 0.32                            | 59.09                  | 56.04                          | 0.043353                        |
| 2024 | 3         | 2                     | 66572        | 0                       | 3             | 2155              | 26.91                            | 8.70                            | 42.53                  | 11.11                          | 0.025435                        |
| 2024 | 3         | 2                     | 54001        | 5400106                 | 2             | 614               | 2.82                             | 0.39                            | 45.84                  | 24.12                          | 0.062170                        |
| 2024 | 3         | 2                     | 5690         | 0                       | 3             | 5996              | 17.97                            | 5.87                            | 34.49                  | 11.84                          | 0.028007                        |
| 2024 | 3         | 2                     | 68167        | 0                       | 3             | 2150              | 15.85                            | 8.55                            | 43.97                  | 13.38                          | 0.027225                        |
| 2024 | 3         | 2                     | 5361         | 0                       | 3             | 3175              | 10.87                            | 5.22                            | 58.02                  | 12.85                          | 0.040902                        |
| 2024 | 3         | 2                     | 20295        | 0                       | 3             | 1940              | 22.87                            | 6.17                            | 44.16                  | 11.21                          | 0.034441                        |
| 2024 | 3         | 2                     | 19517        | 0                       | 3             | 4182              | 8.75                             | 4.84                            | 50.35                  | 15.53                          | 0.035787                        |
| 2024 | 3         | 2                     | 68820        | 0                       | 2             | 205               | 1.19                             | 0.36                            | 55.09                  | 38.97                          | 0.017270                        |
| 2024 | 3         | 2                     | 5002         | 0                       | 3             | 3095              | 12.24                            | 4.28                            | 54.36                  | 15.61                          | 0.040315                        |
| 2024 | 3         | 2                     | 66170        | 0                       | 2             | 3609              | 3.05                             | 0.35                            | 54.79                  | 24.98                          | 0.076279                        |
| 2024 | 3         | 2                     | 13780        | 0                       | 3             | 1408              | 16.32                            | 7.13                            | 46.49                  | 12.91                          | 0.040795                        |
| 2024 | 3         | 2                     | 23001        | 0                       | 2             | 5350              | 2.88                             | 0.38                            | 54.73                  | 26.22                          | 0.063720                        |
| 2024 | 3         | 2                     | 23001        | 2300108                 | 2             | 1135              | 3.64                             | 0.48                            | 52.59                  | 22.75                          | 0.062703                        |
| 2024 | 3         | 2                     | 5240         | 0                       | 3             | 2424              | 8.02                             | 2.83                            | 32.52                  | 13.17                          | 0.047072                        |
| 2024 | 3         | 2                     | 27413        | 0                       | 3             | 1221              | 14.02                            | 6.05                            | 45.76                  | 12.52                          | 0.027408                        |
| 2024 | 3         | 2                     | 85230        | 0                       | 3             | 5292              | 7.09                             | 3.86                            | 60.50                  | 15.69                          | 0.052065                        |
| 2024 | 3         | 2                     | 73504        | 0                       | 3             | 4779              | 7.19                             | 4.73                            | 38.23                  | 17.49                          | 0.042375                        |
| 2024 | 3         | 2                     | 5674         | 0                       | 2             | 97                | 1.19                             | 0.33                            | 54.14                  | 34.92                          | 0.054725                        |
| 2024 | 3         | 2                     | 5001         | 0                       | 2             | 34474             | 3.85                             | 0.35                            | 45.45                  | 24.49                          | 0.067164                        |
| 2024 | 3         | 2                     | 5001         | 0500114                 | 2             | 4247              | 5.21                             | 0.36                            | 45.79                  | 18.93                          | 0.070190                        |
| 2024 | 3         | 2                     | 5172         | 0                       | 3             | 16333             | 7.48                             | 7.26                            | 33.83                  | 13.39                          | 0.026242                        |
| 2024 | 3         | 2                     | 8421         | 0                       | 3             | 3883              | 13.73                            | 8.90                            | 48.99                  | 13.35                          | 0.026539                        |
| 2024 | 3         | 2                     | 5541         | 0                       | 3             | 8076              | 6.03                             | 5.22                            | 32.53                  | 14.23                          | 0.027561                        |
| 2024 | 3         | 2                     | 18094        | 0                       | 3             | 2356              | 15.97                            | 7.95                            | 45.71                  | 12.91                          | 0.024409                        |
| 2024 | 3         | 2                     | 41668        | 0                       | 3             | 5373              | 9.37                             | 8.04                            | 50.25                  | 14.50                          | 0.041175                        |
| 2024 | 3         | 2                     | 13647        | 0                       | 3             | 4098              | 9.59                             | 8.26                            | 36.82                  | 12.58                          | 0.024136                        |
| 2024 | 3         | 2                     | 5001         | 0500111                 | 2             | 3669              | 4.89                             | 0.37                            | 43.79                  | 21.12                          | 0.069866                        |
| 2024 | 3         | 2                     | 23001        | 2300102                 | 3             | 9683              | 11.51                            | 8.35                            | 39.66                  | 10.65                          | 0.019351                        |
| 2024 | 3         | 2                     | 19212        | 0                       | 3             | 3625              | 10.02                            | 7.18                            | 29.96                  | 12.13                          | 0.028696                        |
| 2024 | 3         | 2                     | 68575        | 0                       | 3             | 5545              | 9.67                             | 5.09                            | 50.88                  | 16.56                          | 0.030637                        |
| 2024 | 3         | 2                     | 73001        | 7300107                 | 3             | 28603             | 15.51                            | 8.23                            | 31.54                  | 12.04                          | 0.024271                        |
| 2024 | 3         | 2                     | 23001        | 2300106                 | 3             | 18745             | 13.00                            | 9.69                            | 44.38                  | 11.82                          | 0.022857                        |
| 2024 | 3         | 2                     | 41020        | 0                       | 3             | 3434              | 9.86                             | 7.82                            | 63.98                  | 17.06                          | 0.054322                        |
| 2024 | 3         | 2                     | 23417        | 0                       | 3             | 17610             | 10.82                            | 5.63                            | 43.02                  | 15.74                          | 0.034721                        |
| 2024 | 3         | 2                     | 5321         | 0                       | 3             | 7087              | 11.37                            | 7.05                            | 33.58                  | 14.11                          | 0.031384                        |
| 2024 | 3         | 2                     | 25317        | 0                       | 3             | 6997              | 6.67                             | 6.01                            | 33.74                  | 15.08                          | 0.027928                        |
| 2024 | 3         | 2                     | 63001        | 0                       | 2             | 4476              | 3.86                             | 0.35                            | 57.82                  | 20.75                          | 0.067640                        |
| 2024 | 3         | 2                     | 25777        | 0                       | 3             | 2891              | 13.31                            | 3.93                            | 36.81                  | 13.77                          | 0.034915                        |
| 2024 | 3         | 2                     | 5649         | 0                       | 3             | 4474              | 9.70                             | 4.59                            | 40.62                  | 13.98                          | 0.030398                        |
| 2024 | 3         | 2                     | 5873         | 0                       | 3             | 1622              | 9.65                             | 8.63                            | 37.90                  | 9.97                           | 0.024855                        |
| 2024 | 3         | 2                     | 13442        | 0                       | 3             | 3741              | 16.95                            | 9.21                            | 51.09                  | 13.88                          | 0.026614                        |
| 2024 | 3         | 2                     | 5670         | 0                       | 2             | 224               | 0.41                             | 0.24                            | 65.61                  | 48.83                          | 0.037340                        |
| 2024 | 3         | 2                     | 5125         | 0                       | 3             | 1526              | 6.95                             | 6.17                            | 33.16                  | 11.19                          | 0.042926                        |
| 2024 | 3         | 2                     | 5120         | 0                       | 3             | 5088              | 13.09                            | 4.61                            | 41.91                  | 14.88                          | 0.031741                        |
| 2024 | 3         | 2                     | 5034         | 0                       | 3             | 8666              | 7.43                             | 5.64                            | 42.17                  | 13.26                          | 0.036984                        |
| 2024 | 3         | 2                     | 73275        | 0                       | 3             | 15625             | 11.61                            | 7.51                            | 34.91                  | 13.51                          | 0.032281                        |
| 2024 | 3         | 2                     | 76895        | 0                       | 2             | 643               | 3.75                             | 0.34                            | 51.89                  | 30.64                          | 0.087971                        |
| 2024 | 3         | 2                     | 5670         | 0                       | 3             | 5701              | 10.25                            | 4.84                            | 34.85                  | 12.87                          | 0.029836                        |
| 2024 | 3         | 2                     | 68276        | 0                       | 2             | 2723              | 3.25                             | 0.35                            | 45.87                  | 28.17                          | 0.056019                        |
| 2024 | 3         | 2                     | 73124        | 0                       | 3             | 8097              | 10.92                            | 11.92                           | 37.00                  | 11.04                          | 0.035788                        |
| 2024 | 3         | 2                     | 41013        | 0                       | 3             | 2758              | 22.24                            | 6.36                            | 44.54                  | 12.45                          | 0.048723                        |
| 2024 | 3         | 2                     | 15514        | 0                       | 3             | 1268              | 22.28                            | 8.27                            | 38.82                  | 10.43                          | 0.024239                        |
| 2024 | 3         | 2                     | 73270        | 0                       | 3             | 2056              | 11.60                            | 3.38                            | 35.03                  | 18.18                          | 0.036012                        |
| 2024 | 3         | 2                     | 19300        | 0                       | 3             | 5764              | 14.40                            | 7.22                            | 33.93                  | 13.69                          | 0.029380                        |
| 2024 | 3         | 2                     | 73001        | 7300102                 | 3             | 10326             | 14.08                            | 8.14                            | 30.73                  | 11.22                          | 0.020978                        |
| 2024 | 3         | 2                     | 70221        | 0                       | 3             | 10537             | 15.48                            | 6.22                            | 43.13                  | 14.26                          | 0.034978                        |
| 2024 | 3         | 2                     | 8560         | 0                       | 3             | 4687              | 20.04                            | 6.50                            | 35.75                  | 11.79                          | 0.026924                        |
| 2024 | 3         | 2                     | 63470        | 0                       | 3             | 14895             | 12.59                            | 7.95                            | 43.60                  | 13.28                          | 0.027681                        |
| 2024 | 3         | 2                     | 5893         | 0                       | 3             | 4927              | 7.03                             | 5.45                            | 43.97                  | 16.57                          | 0.027746                        |
| 2024 | 3         | 2                     | 47545        | 0                       | 3             | 1769              | 19.60                            | 4.31                            | 40.03                  | 15.24                          | 0.042554                        |
| 2024 | 3         | 2                     | 76834        | 0                       | 2             | 1916              | 4.37                             | 0.37                            | 48.38                  | 24.28                          | 0.062181                        |
| 2024 | 3         | 2                     | 68190        | 0                       | 3             | 9176              | 11.93                            | 7.50                            | 44.11                  | 15.03                          | 0.027991                        |
| 2024 | 3         | 2                     | 86320        | 0                       | 3             | 9499              | 8.85                             | 6.89                            | 55.12                  | 14.07                          | 0.050968                        |
| 2024 | 3         | 2                     | 76318        | 0                       | 3             | 6374              | 20.86                            | 9.08                            | 33.47                  | 12.39                          | 0.027327                        |
| 2024 | 3         | 2                     | 25799        | 0                       | 3             | 34431             | 13.26                            | 6.33                            | 34.06                  | 14.49                          | 0.029202                        |
| 2024 | 3         | 2                     | 81794        | 0                       | 3             | 12181             | 6.87                             | 5.98                            | 52.33                  | 15.42                          | 0.050764                        |
| 2024 | 3         | 2                     | 5604         | 0                       | 3             | 5191              | 2.51                             | 5.35                            | 58.08                  | 16.42                          | 0.070668                        |
| 2024 | 3         | 2                     | 25885        | 0                       | 3             | 2715              | 22.23                            | 6.48                            | 33.50                  | 15.33                          | 0.028107                        |
| 2024 | 3         | 2                     | 23464        | 0                       | 3             | 2178              | 17.75                            | 4.82                            | 40.66                  | 13.11                          | 0.032754                        |
| 2024 | 3         | 2                     | 13140        | 0                       | 3             | 2495              | 16.44                            | 5.45                            | 38.22                  | 13.35                          | 0.035490                        |
| 2024 | 3         | 2                     | 23675        | 0                       | 3             | 3155              | 14.18                            | 7.32                            | 48.81                  | 17.63                          | 0.028207                        |
| 2024 | 3         | 2                     | 25841        | 0                       | 3             | 3202              | 10.96                            | 4.92                            | 34.85                  | 14.22                          | 0.028900                        |
| 2024 | 3         | 2                     | 20770        | 0                       | 3             | 4904              | 10.56                            | 8.86                            | 62.29                  | 13.03                          | 0.027393                        |
| 2024 | 3         | 2                     | 68001        | 6800117                 | 3             | 8556              | 15.34                            | 8.89                            | 38.25                  | 12.18                          | 0.025444                        |
| 2024 | 3         | 2                     | 15764        | 0                       | 3             | 3122              | 22.52                            | 8.87                            | 38.15                  | 12.18                          | 0.029775                        |
| 2024 | 3         | 2                     | 50590        | 0                       | 3             | 4075              | 6.61                             | 6.57                            | 40.05                  | 16.18                          | 0.027309                        |
| 2024 | 3         | 2                     | 76126        | 0                       | 3             | 4370              | 7.10                             | 6.24                            | 43.24                  | 16.33                          | 0.055079                        |
| 2024 | 3         | 2                     | 5660         | 0                       | 3             | 3274              | 9.50                             | 3.60                            | 77.95                  | 20.18                          | 0.034269                        |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIMESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COMUNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD_DESCARGA | INDICADOR_VELOCIDAD_CARGA | INDICADOR_LATENCIA | INDICADOR_FLUCTUACION_FASE | INDICADOR_TASA_PERDIDA_PAQUETES |
|------|-----------|-------------------|--------------|---------------------|---------------|-------------------|------------------------------|---------------------------|--------------------|----------------------------|---------------------------------|
| 2024 | 3         | 2                 | 5665         | 0                   | 3             | 5065              | 8.68                         | 7.64                      | 42.27              | 11.62                      | 0.034680                        |
| 2024 | 3         | 2                 | 11001        | 1100101             | 2             | 12981             | 4.73                         | 0.38                      | 37.02              | 19.26                      | 0.074399                        |
| 2024 | 3         | 2                 | 17662        | 0                   | 2             | 406               | 1.65                         | 0.30                      | 69.97              | 31.19                      | 0.062003                        |
| 2024 | 3         | 2                 | 15646        | 0                   | 3             | 10205             | 7.50                         | 7.82                      | 34.10              | 12.03                      | 0.025808                        |
| 2024 | 3         | 2                 | 44650        | 0                   | 3             | 10019             | 14.44                        | 6.96                      | 40.04              | 14.13                      | 0.033836                        |
| 2024 | 3         | 2                 | 17486        | 0                   | 3             | 8198              | 9.49                         | 4.67                      | 48.26              | 14.01                      | 0.029351                        |
| 2024 | 3         | 2                 | 73671        | 0                   | 3             | 5863              | 14.54                        | 9.81                      | 30.85              | 11.36                      | 0.022254                        |
| 2024 | 3         | 2                 | 20400        | 0                   | 3             | 13292             | 14.30                        | 7.69                      | 46.22              | 12.83                      | 0.027483                        |
| 2024 | 3         | 2                 | 20443        | 0                   | 3             | 3368              | 3.72                         | 3.69                      | 46.02              | 16.82                      | 0.029790                        |
| 2024 | 3         | 2                 | 70473        | 0                   | 3             | 4759              | 15.78                        | 6.88                      | 46.57              | 11.25                      | 0.023670                        |
| 2024 | 3         | 2                 | 5674         | 0                   | 3             | 3201              | 7.33                         | 2.80                      | 34.56              | 18.04                      | 0.040234                        |
| 2024 | 3         | 2                 | 17662        | 0                   | 3             | 5397              | 12.87                        | 7.93                      | 57.09              | 11.03                      | 0.033313                        |
| 2024 | 3         | 2                 | 25754        | 2575404             | 3             | 19119             | 9.26                         | 7.55                      | 26.43              | 13.55                      | 0.025204                        |
| 2024 | 3         | 2                 | 27615        | 0                   | 3             | 6008              | 4.05                         | 4.96                      | 50.13              | 18.50                      | 0.040968                        |
| 2024 | 3         | 2                 | 52788        | 0                   | 3             | 3378              | 24.82                        | 7.05                      | 38.32              | 11.44                      | 0.025769                        |
| 2024 | 3         | 2                 | 13212        | 0                   | 3             | 2534              | 12.01                        | 6.91                      | 43.39              | 15.54                      | 0.024079                        |
| 2024 | 3         | 2                 | 68615        | 0                   | 3             | 3067              | 8.31                         | 5.64                      | 43.02              | 20.39                      | 0.042072                        |
| 2024 | 3         | 2                 | 85250        | 0                   | 3             | 11332             | 7.44                         | 8.79                      | 40.20              | 12.19                      | 0.029084                        |
| 2024 | 3         | 2                 | 5030         | 0                   | 3             | 9703              | 13.99                        | 7.86                      | 33.38              | 12.30                      | 0.029965                        |
| 2024 | 3         | 2                 | 25328        | 0                   | 3             | 1649              | 17.83                        | 3.67                      | 29.79              | 14.18                      | 0.033379                        |
| 2024 | 3         | 2                 | 13744        | 0                   | 3             | 2375              | 15.29                        | 9.76                      | 48.08              | 12.05                      | 0.033459                        |
| 2024 | 3         | 2                 | 73585        | 0                   | 3             | 6999              | 15.00                        | 8.01                      | 36.42              | 12.52                      | 0.024540                        |
| 2024 | 3         | 2                 | 5647         | 0                   | 3             | 2169              | 19.19                        | 7.02                      | 53.72              | 15.45                      | 0.039220                        |
| 2024 | 3         | 2                 | 52001        | 0                   | 2             | 4583              | 2.89                         | 0.35                      | 54.49              | 27.37                      | 0.049271                        |
| 2024 | 3         | 2                 | 23686        | 0                   | 3             | 5834              | 9.50                         | 7.62                      | 50.22              | 15.81                      | 0.048403                        |
| 2024 | 3         | 2                 | 17088        | 0                   | 3             | 3809              | 6.76                         | 5.41                      | 43.58              | 13.78                      | 0.032544                        |
| 2024 | 3         | 2                 | 17495        | 0                   | 3             | 2364              | 9.14                         | 2.91                      | 60.16              | 13.97                      | 0.040729                        |
| 2024 | 3         | 2                 | 17272        | 0                   | 3             | 2473              | 12.71                        | 5.90                      | 46.61              | 11.09                      | 0.032884                        |
| 2024 | 3         | 2                 | 25489        | 0                   | 3             | 3335              | 22.33                        | 5.15                      | 30.91              | 12.82                      | 0.033654                        |
| 2024 | 3         | 2                 | 68575        | 0                   | 2             | 431               | 1.80                         | 0.33                      | 58.92              | 36.18                      | 0.046045                        |
| 2024 | 3         | 2                 | 20550        | 0                   | 3             | 5574              | 7.71                         | 5.47                      | 53.87              | 13.70                      | 0.036973                        |
| 2024 | 3         | 2                 | 76113        | 0                   | 3             | 7382              | 24.98                        | 8.88                      | 34.30              | 10.93                      | 0.039984                        |
| 2024 | 3         | 2                 | 13688        | 0                   | 3             | 3699              | 10.20                        | 6.09                      | 50.19              | 14.17                      | 0.029814                        |
| 2024 | 3         | 2                 | 25407        | 0                   | 3             | 4500              | 9.08                         | 5.90                      | 44.57              | 16.94                      | 0.027565                        |
| 2024 | 3         | 2                 | 20383        | 0                   | 3             | 4689              | 14.56                        | 5.76                      | 46.85              | 13.83                      | 0.029030                        |
| 2024 | 3         | 2                 | 23678        | 0                   | 2             | 192               | 0.68                         | 0.37                      | 60.11              | 45.59                      | 0.023788                        |
| 2024 | 3         | 2                 | 44378        | 0                   | 3             | 6218              | 6.69                         | 8.17                      | 43.65              | 10.90                      | 0.031138                        |
| 2024 | 3         | 2                 | 20614        | 0                   | 3             | 2717              | 13.81                        | 6.48                      | 52.06              | 14.17                      | 0.032926                        |
| 2024 | 3         | 2                 | 15861        | 0                   | 3             | 9439              | 13.31                        | 7.61                      | 36.07              | 13.40                      | 0.034895                        |
| 2024 | 3         | 2                 | 73001        | 7300113             | 3             | 8481              | 15.14                        | 11.43                     | 30.04              | 10.54                      | 0.019825                        |
| 2024 | 3         | 2                 | 5190         | 0                   | 3             | 4269              | 11.10                        | 7.07                      | 31.03              | 11.68                      | 0.023129                        |
| 2024 | 3         | 2                 | 23586        | 0                   | 3             | 1929              | 7.46                         | 7.55                      | 45.30              | 13.03                      | 0.045218                        |
| 2024 | 3         | 2                 | 13549        | 0                   | 3             | 967               | 15.36                        | 4.87                      | 45.96              | 13.85                      | 0.045149                        |
| 2024 | 3         | 2                 | 52260        | 0                   | 3             | 2784              | 8.89                         | 3.29                      | 41.97              | 14.02                      | 0.030208                        |
| 2024 | 3         | 2                 | 47703        | 0                   | 3             | 1332              | 11.90                        | 4.03                      | 45.69              | 18.87                      | 0.039863                        |
| 2024 | 3         | 2                 | 68755        | 0                   | 3             | 7144              | 19.61                        | 6.87                      | 37.35              | 12.33                      | 0.027472                        |
| 2024 | 3         | 2                 | 8634         | 0                   | 3             | 7233              | 8.07                         | 4.76                      | 30.31              | 14.63                      | 0.028692                        |
| 2024 | 3         | 2                 | 86571        | 0                   | 3             | 1960              | 9.27                         | 8.08                      | 48.44              | 16.53                      | 0.031877                        |
| 2024 | 3         | 2                 | 18860        | 0                   | 3             | 1677              | 11.31                        | 4.95                      | 50.54              | 17.16                      | 0.034659                        |
| 2024 | 3         | 2                 | 23182        | 0                   | 3             | 7510              | 14.92                        | 6.56                      | 47.98              | 13.71                      | 0.027247                        |
| 2024 | 3         | 2                 | 94001        | 0                   | 3             | 7176              | 1.48                         | 4.76                      | 88.60              | 15.87                      | 0.125078                        |
| 2024 | 3         | 2                 | 19355        | 0                   | 3             | 4577              | 8.31                         | 4.31                      | 47.17              | 14.79                      | 0.037560                        |
| 2024 | 3         | 2                 | 47555        | 0                   | 3             | 7379              | 10.39                        | 7.01                      | 44.41              | 13.90                      | 0.031854                        |
| 2024 | 3         | 2                 | 5154         | 0                   | 2             | 697               | 2.44                         | 0.32                      | 57.86              | 33.94                      | 0.059036                        |
| 2024 | 3         | 2                 | 15106        | 0                   | 3             | 708               | 22.71                        | 7.39                      | 35.65              | 11.46                      | 0.025480                        |
| 2024 | 3         | 2                 | 76001        | 7600122             | 2             | 403               | 6.05                         | 0.46                      | 48.40              | 15.79                      | 0.073884                        |
| 2024 | 3         | 2                 | 68077        | 0                   | 3             | 13435             | 11.02                        | 9.55                      | 38.63              | 12.07                      | 0.029431                        |
| 2024 | 3         | 2                 | 63690        | 0                   | 3             | 10992             | 14.47                        | 8.06                      | 41.56              | 12.17                      | 0.030858                        |
| 2024 | 3         | 2                 | 73861        | 0                   | 3             | 3990              | 15.04                        | 7.82                      | 45.18              | 13.22                      | 0.028923                        |
| 2024 | 3         | 2                 | 15757        | 0                   | 3             | 4523              | 7.39                         | 8.33                      | 39.86              | 13.31                      | 0.031181                        |
| 2024 | 3         | 2                 | 52250        | 0                   | 3             | 1588              | 10.32                        | 7.96                      | 50.47              | 13.31                      | 0.028993                        |
| 2024 | 3         | 2                 | 73616        | 0                   | 3             | 3396              | 10.38                        | 7.40                      | 37.78              | 14.46                      | 0.029417                        |
| 2024 | 3         | 2                 | 73055        | 0                   | 3             | 4517              | 18.03                        | 10.08                     | 33.98              | 12.26                      | 0.030726                        |
| 2024 | 3         | 2                 | 13894        | 0                   | 3             | 2057              | 29.06                        | 10.27                     | 44.85              | 12.78                      | 0.022684                        |
| 2024 | 3         | 2                 | 13654        | 0                   | 3             | 2221              | 2.48                         | 8.22                      | 41.46              | 11.56                      | 0.081138                        |
| 2024 | 3         | 2                 | 5284         | 0                   | 3             | 2866              | 8.19                         | 6.66                      | 40.54              | 12.09                      | 0.031777                        |
| 2024 | 3         | 2                 | 5088         | -1                  | 3             | 19762             | 9.16                         | 5.13                      | 32.76              | 16.95                      | 0.037926                        |
| 2024 | 3         | 2                 | 25123        | 0                   | 3             | 6343              | 4.33                         | 4.47                      | 28.93              | 13.15                      | 0.035736                        |
| 2024 | 3         | 2                 | 20228        | 0                   | 3             | 11913             | 11.62                        | 7.06                      | 37.48              | 12.49                      | 0.027810                        |
| 2024 | 3         | 2                 | 15204        | 0                   | 3             | 6219              | 16.63                        | 6.06                      | 35.18              | 13.88                      | 0.031363                        |
| 2024 | 3         | 2                 | 73408        | 0                   | 3             | 5081              | 15.97                        | 6.55                      | 31.57              | 12.34                      | 0.026314                        |
| 2024 | 3         | 2                 | 19110        | 0                   | 3             | 2168              | 16.21                        | 5.86                      | 38.98              | 14.37                      | 0.036859                        |
| 2024 | 3         | 2                 | 15580        | 0                   | 3             | 1158              | 10.71                        | 5.20                      | 45.50              | 14.19                      | 0.032065                        |
| 2024 | 3         | 2                 | 5001         | 0500110             | 2             | 6108              | 3.81                         | 0.36                      | 45.31              | 24.57                      | 0.072339                        |
| 2024 | 3         | 2                 | 41676        | 0                   | 3             | 2294              | 12.59                        | 6.14                      | 35.79              | 11.76                      | 0.029238                        |
| 2024 | 3         | 2                 | 23500        | 0                   | 3             | 3295              | 6.48                         | 5.50                      | 50.00              | 15.69                      | 0.043679                        |
| 2024 | 3         | 2                 | 50400        | 0                   | 3             | 3153              | 21.38                        | 10.73                     | 36.72              | 13.22                      | 0.023095                        |
| 2024 | 3         | 2                 | 15693        | 0                   | 3             | 5548              | 10.34                        | 7.87                      | 32.50              | 9.91                       | 0.021948                        |
| 2024 | 3         | 2                 | 18150        | 0                   | 3             | 5741              | 8.62                         | 7.81                      | 41.63              | 15.11                      | 0.030861                        |
| 2024 | 3         | 2                 | 50270        | 0                   | 3             | 1292              | 9.60                         | 3.58                      | 34.49              | 13.96                      | 0.029898                        |
| 2024 | 3         | 2                 | 15753        | 0                   | 3             | 5050              | 15.75                        | 7.83                      | 38.37              | 11.58                      | 0.024446                        |
| 2024 | 3         | 2                 | 25473        | 0                   | 2             | 3608              | 3.60                         | 0.61                      | 35.75              | 23.63                      | 0.063883                        |
| 2024 | 3         | 2                 | 70823        | 0                   | 3             | 4333              | 19.52                        | 5.65                      | 42.23              | 13.66                      | 0.029356                        |
| 2024 | 3         | 2                 | 8606         | 0                   | 3             | 2545              | 8.89                         | 4.93                      | 37.02              | 13.76                      | 0.037407                        |
| 2024 | 3         | 2                 | 13160        | 0                   | 3             | 2391              | 9.21                         | 8.41                      | 47.30              | 14.31                      | 0.022633                        |
| 2024 | 3         | 2                 | 68001        | 6800105             | 3             | 9092              | 18.22                        | 12.33                     | 37.37              | 10.42                      | 0.022248                        |
| 2024 | 3         | 2                 | 17013        | 0                   | 3             | 5234              | 9.34                         | 5.54                      | 49.88              | 11.54                      | 0.038268                        |
| 2024 | 3         | 2                 | 52405        | 0                   | 3             | 1291              | 11.81                        | 5.38                      | 42.91              | 16.01                      | 0.034186                        |
| 2024 | 3         | 2                 | 73349        | 0                   | 3             | 12605             | 8.13                         | 6.90                      | 32.40              | 12.05                      | 0.037462                        |
| 2024 | 3         | 2                 | 13030        | 0                   | 3             | 1143              | 20.14                        | 5.40                      | 46.00              | 13.30                      | 0.029748                        |
| 2024 | 3         | 2                 | 68147        | 0                   | 2             | 64                | 1.36                         | 0.44                      | 62.33              | 22.76                      | 0.011461                        |
| 2024 | 3         | 2                 | 5792         | 0                   | 3             | 1765              | 13.88                        | 4.50                      | 31.82              | 12.59                      | 0.031346                        |
| 2024 | 3         | 2                 | 73024        | 0                   | 3             | 1389              | 15.44                        | 11.17                     | 37.21              | 12.11                      | 0.031141                        |
| 2024 | 3         | 2                 | 15425        | 0                   | 2             | 94                | 1.18                         | 0.61                      | 48.78              | 41.68                      | 0.034187                        |
| 2024 | 3         | 2                 | 19807        | 0                   | 3             | 8163              | 14.83                        | 7.01                      | 35.27              | 13.11                      | 0.029697                        |
| 2024 | 3         | 2                 | 70820        | 0                   | 3             | 8009              | 10.46                        | 7.02                      | 44.42              | 13.39                      | 0.027891                        |
| 2024 | 3         | 2                 | 25394        | 0                   | 3             | 2672              | 18.90                        | 6.24                      | 30.70              | 10.82                      | 0.026896                        |
| 2024 | 3         | 2                 | 17877        | 0                   | 3             | 5984              | 12.82                        | 6.50                      | 38.31              | 11.07                      | 0.026845                        |
| 2024 | 3         | 2                 | 15407        | 0                   | 3             | 14573             | 22.15                        | 10.36                     | 35.55              | 11.38                      | 0.024908                        |
| 2024 | 3         | 2                 | 23855        | 0                   | 3             | 4800              | 4.88                         | 7.66                      | 45.26              | 12.50                      | 0.063350                        |
| 2024 | 3         | 2                 | 54720        | 0                   | 3             | 5688              | 6.05                         | 4.71                      | 42.08              | 16.25                      | 0.028342                        |
| 2024 | 3         | 2                 | 25148        | 0                   | 3             | 3535              | 26.58                        | 8.08                      | 34.49              | 12.20                      | 0.028305                        |
| 2024 | 3         | 2                 | 8832         | 0                   | 3             | 6214              | 13.89                        | 5.46                      | 37.51              | 13.34                      | 0.028028                        |
| 2024 | 3         | 2                 | 25288        | 0                   | 3             | 3494              | 4.05                         | 3.46                      | 43.20              | 19.28                      | 0.061729                        |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIMESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COMUNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD_DESCARGA | INDICADOR_VELOCIDAD_AD_CARGA | INDICADOR_LATENCIA | INDICADOR_FLUCTUACION_FASE | INDICADOR_TASA_PERDIDA_PAQUETES |
|------|-----------|-------------------|--------------|---------------------|---------------|-------------------|------------------------------|------------------------------|--------------------|----------------------------|---------------------------------|
| 2024 | 3         | 2                 | 27006        | 0                   | 3             | 4085              | 5.82                         | 5.25                         | 42.95              | 15.84                      | 0.038486                        |
| 2024 | 3         | 2                 | 15047        | 0                   | 3             | 3742              | 7.91                         | 9.04                         | 34.56              | 11.75                      | 0.023405                        |
| 2024 | 3         | 2                 | 23815        | 0                   | 3             | 2152              | 9.60                         | 6.01                         | 42.38              | 14.70                      | 0.039046                        |
| 2024 | 3         | 2                 | 76246        | 0                   | 3             | 1233              | 19.00                        | 6.75                         | 45.49              | 12.43                      | 0.024326                        |
| 2024 | 3         | 2                 | 5001         | 0500105             | 2             | 2106              | 2.78                         | 0.34                         | 47.69              | 30.83                      | 0.055471                        |
| 2024 | 3         | 2                 | 13490        | 0                   | 3             | 1164              | 2.32                         | 4.49                         | 54.48              | 14.28                      | 0.029990                        |
| 2024 | 3         | 2                 | 5113         | 0                   | 2             | 291               | 1.44                         | 0.28                         | 56.63              | 42.80                      | 0.020286                        |
| 2024 | 3         | 2                 | 19075        | 0                   | 3             | 2023              | 10.68                        | 6.79                         | 42.81              | 14.43                      | 0.029315                        |
| 2024 | 3         | 2                 | 52317        | 0                   | 3             | 3437              | 14.67                        | 5.00                         | 40.38              | 14.03                      | 0.029543                        |
| 2024 | 3         | 2                 | 52838        | 0                   | 3             | 6494              | 12.38                        | 6.09                         | 41.85              | 14.68                      | 0.025970                        |
| 2024 | 3         | 2                 | 76306        | 0                   | 3             | 5442              | 22.23                        | 4.94                         | 35.79              | 15.04                      | 0.037728                        |
| 2024 | 3         | 2                 | 73168        | 0                   | 3             | 11528             | 8.09                         | 6.13                         | 38.37              | 15.30                      | 0.030517                        |
| 2024 | 3         | 2                 | 86865        | 0                   | 3             | 8427              | 5.36                         | 8.46                         | 48.50              | 13.19                      | 0.043211                        |
| 2024 | 3         | 2                 | 17001        | 0                   | 2             | 5964              | 3.88                         | 0.35                         | 56.09              | 20.48                      | 0.073541                        |
| 2024 | 3         | 2                 | 76563        | 0                   | 3             | 13467             | 10.48                        | 8.08                         | 31.09              | 11.18                      | 0.024775                        |
| 2024 | 3         | 2                 | 27205        | 0                   | 3             | 1857              | 7.90                         | 7.61                         | 40.20              | 10.97                      | 0.026804                        |
| 2024 | 3         | 2                 | 73483        | 0                   | 3             | 3921              | 17.96                        | 5.23                         | 35.25              | 14.59                      | 0.027849                        |
| 2024 | 3         | 2                 | 15322        | 0                   | 3             | 5417              | 7.17                         | 7.53                         | 28.27              | 10.61                      | 0.023422                        |
| 2024 | 3         | 2                 | 63302        | 0                   | 2             | 44                | 1.28                         | 0.34                         | 55.75              | 29.08                      | 0.048215                        |
| 2024 | 3         | 2                 | 5107         | 0                   | 3             | 1866              | 17.54                        | 7.51                         | 47.04              | 13.32                      | 0.033512                        |
| 2024 | 3         | 2                 | 86749        | 0                   | 3             | 4311              | 16.51                        | 5.26                         | 43.77              | 14.01                      | 0.026812                        |
| 2024 | 3         | 2                 | 54520        | 0                   | 3             | 1612              | 19.06                        | 8.80                         | 41.09              | 12.28                      | 0.024856                        |
| 2024 | 3         | 2                 | 86760        | 0                   | 3             | 1688              | 18.38                        | 4.24                         | 43.89              | 15.38                      | 0.031731                        |
| 2024 | 3         | 2                 | 5088         | 0                   | 2             | 5548              | 2.81                         | 0.36                         | 47.46              | 27.97                      | 0.055717                        |
| 2024 | 3         | 2                 | 5088         | 0508808             | 2             | 1168              | 3.31                         | 0.36                         | 47.45              | 23.27                      | 0.065717                        |
| 2024 | 3         | 2                 | 70713        | 0                   | 3             | 6294              | 15.66                        | 9.13                         | 48.49              | 12.83                      | 0.026138                        |
| 2024 | 3         | 2                 | 50226        | 0                   | 3             | 11877             | 10.18                        | 8.31                         | 35.28              | 13.70                      | 0.030266                        |
| 2024 | 3         | 2                 | 15804        | 0                   | 3             | 2498              | 19.90                        | 8.42                         | 36.02              | 12.87                      | 0.027630                        |
| 2024 | 3         | 2                 | 20178        | 0                   | 2             | 230               | 2.31                         | 0.32                         | 51.77              | 37.51                      | 0.057007                        |
| 2024 | 3         | 2                 | 52227        | 0                   | 3             | 5074              | 13.44                        | 4.67                         | 41.86              | 15.99                      | 0.034804                        |
| 2024 | 3         | 2                 | 52585        | 0                   | 3             | 2342              | 26.52                        | 7.63                         | 40.76              | 14.47                      | 0.030999                        |
| 2024 | 3         | 2                 | 18205        | 0                   | 3             | 1314              | 20.57                        | 7.55                         | 57.09              | 15.62                      | 0.028112                        |
| 2024 | 3         | 2                 | 23300        | 0                   | 3             | 2734              | 8.66                         | 6.64                         | 49.42              | 14.21                      | 0.055978                        |
| 2024 | 3         | 2                 | 5001         | 0500115             | 2             | 2286              | 5.35                         | 0.35                         | 46.75              | 25.17                      | 0.070915                        |
| 2024 | 3         | 2                 | 11001        | 1100113             | 2             | 8122              | 5.54                         | 0.39                         | 35.70              | 16.47                      | 0.085292                        |
| 2024 | 3         | 2                 | 13433        | 0                   | 3             | 4398              | 17.82                        | 5.24                         | 39.33              | 17.06                      | 0.029215                        |
| 2024 | 3         | 2                 | 54660        | 0                   | 3             | 2725              | 19.49                        | 6.99                         | 42.40              | 13.07                      | 0.027013                        |
| 2024 | 3         | 2                 | 50577        | 0                   | 3             | 3255              | 15.19                        | 9.00                         | 33.85              | 12.60                      | 0.027373                        |
| 2024 | 3         | 2                 | 5628         | 0                   | 3             | 749               | 16.72                        | 4.45                         | 32.28              | 13.37                      | 0.027477                        |
| 2024 | 3         | 2                 | 15638        | 0                   | 3             | 3980              | 13.87                        | 8.36                         | 40.00              | 11.75                      | 0.025758                        |
| 2024 | 3         | 2                 | 76233        | 0                   | 2             | 580               | 1.59                         | 0.36                         | 54.90              | 32.69                      | 0.049906                        |
| 2024 | 3         | 2                 | 25299        | 0                   | 3             | 1277              | 10.49                        | 5.44                         | 34.32              | 12.77                      | 0.028117                        |
| 2024 | 3         | 2                 | 15599        | 0                   | 3             | 3389              | 7.01                         | 6.30                         | 33.72              | 12.60                      | 0.024050                        |
| 2024 | 3         | 2                 | 66440        | 0                   | 3             | 4766              | 14.27                        | 8.04                         | 39.17              | 11.28                      | 0.024155                        |
| 2024 | 3         | 2                 | 47053        | 0                   | 3             | 6799              | 13.77                        | 5.75                         | 31.72              | 13.60                      | 0.030114                        |
| 2024 | 3         | 2                 | 50110        | 0                   | 3             | 4878              | 8.89                         | 9.39                         | 44.83              | 13.54                      | 0.031375                        |
| 2024 | 3         | 2                 | 54871        | 0                   | 3             | 862               | 19.99                        | 9.88                         | 39.56              | 10.04                      | 0.021962                        |
| 2024 | 3         | 2                 | 68235        | 0                   | 3             | 3010              | 13.17                        | 4.77                         | 41.62              | 13.99                      | 0.030591                        |
| 2024 | 3         | 2                 | 97001        | 0                   | 3             | 3723              | 1.42                         | 1.40                         | 622.41             | 31.85                      | 0.028676                        |
| 2024 | 3         | 2                 | 85225        | 0                   | 3             | 3362              | 13.76                        | 4.81                         | 42.12              | 14.57                      | 0.037999                        |
| 2024 | 3         | 2                 | 23678        | 0                   | 3             | 2031              | 12.53                        | 5.06                         | 46.41              | 16.16                      | 0.033469                        |
| 2024 | 3         | 2                 | 73347        | 0                   | 3             | 1668              | 21.63                        | 5.95                         | 37.45              | 12.20                      | 0.035124                        |
| 2024 | 3         | 2                 | 25035        | 0                   | 3             | 13670             | 14.38                        | 7.44                         | 37.20              | 13.59                      | 0.033188                        |
| 2024 | 3         | 2                 | 13657        | 0                   | 3             | 6228              | 13.14                        | 6.20                         | 47.89              | 13.96                      | 0.029751                        |
| 2024 | 3         | 2                 | 18785        | 0                   | 3             | 1319              | 4.49                         | 4.32                         | 59.89              | 18.80                      | 0.033460                        |
| 2024 | 3         | 2                 | 85139        | 0                   | 3             | 6108              | 5.86                         | 8.81                         | 66.43              | 13.25                      | 0.042996                        |
| 2024 | 3         | 2                 | 63401        | 0                   | 2             | 455               | 2.97                         | 0.29                         | 55.59              | 24.52                      | 0.058770                        |
| 2024 | 3         | 2                 | 73226        | 0                   | 3             | 2612              | 13.51                        | 5.12                         | 34.96              | 13.28                      | 0.029912                        |
| 2024 | 3         | 2                 | 5038         | 0                   | 3             | 2987              | 11.76                        | 5.17                         | 39.50              | 13.47                      | 0.033780                        |
| 2024 | 3         | 2                 | 54250        | 0                   | 3             | 2241              | 3.01                         | 2.27                         | 53.14              | 20.15                      | 0.035438                        |
| 2024 | 3         | 2                 | 15491        | 0                   | 3             | 9859              | 14.47                        | 8.27                         | 36.34              | 11.88                      | 0.024250                        |
| 2024 | 3         | 2                 | 52256        | 0                   | 3             | 1074              | 22.84                        | 6.28                         | 40.42              | 14.64                      | 0.034328                        |
| 2024 | 3         | 2                 | 19142        | 0                   | 3             | 6474              | 10.58                        | 6.01                         | 40.03              | 14.42                      | 0.046019                        |
| 2024 | 3         | 2                 | 23570        | 0                   | 3             | 3478              | 12.70                        | 6.24                         | 52.05              | 17.73                      | 0.039544                        |
| 2024 | 3         | 2                 | 52427        | 0                   | 3             | 1195              | 4.68                         | 5.89                         | 210.51             | 19.25                      | 0.047631                        |
| 2024 | 3         | 2                 | 25797        | 0                   | 3             | 8676              | 9.76                         | 5.44                         | 34.05              | 13.66                      | 0.031631                        |
| 2024 | 3         | 2                 | 8549         | 0                   | 3             | 1493              | 34.31                        | 9.51                         | 42.54              | 12.56                      | 0.022657                        |
| 2024 | 3         | 2                 | 5697         | 0                   | 3             | 10221             | 7.68                         | 4.11                         | 35.13              | 14.82                      | 0.031833                        |
| 2024 | 3         | 2                 | 15646        | 0                   | 2             | 328               | 1.27                         | 0.87                         | 45.80              | 38.43                      | 0.044932                        |
| 2024 | 3         | 2                 | 5425         | 0                   | 3             | 4505              | 12.30                        | 5.72                         | 36.37              | 12.20                      | 0.028972                        |
| 2024 | 3         | 2                 | 47660        | 0                   | 3             | 3705              | 11.29                        | 9.88                         | 34.67              | 11.81                      | 0.033123                        |
| 2024 | 3         | 2                 | 5847         | 0                   | 3             | 3653              | 6.61                         | 4.62                         | 30.80              | 12.36                      | 0.029580                        |
| 2024 | 3         | 2                 | 5001         | 0500116             | 2             | 2676              | 4.21                         | 0.34                         | 45.17              | 23.06                      | 0.066350                        |
| 2024 | 3         | 2                 | 68001        | 6800103             | 2             | 580               | 4.76                         | 0.41                         | 45.15              | 30.92                      | 0.037606                        |
| 2024 | 3         | 2                 | 52381        | 0                   | 3             | 2249              | 11.91                        | 4.98                         | 49.26              | 16.57                      | 0.037423                        |
| 2024 | 3         | 2                 | 23350        | 0                   | 3             | 3115              | 17.99                        | 12.61                        | 41.83              | 9.89                       | 0.022480                        |
| 2024 | 3         | 2                 | 23001        | 2300109             | 3             | 4799              | 14.53                        | 7.33                         | 44.40              | 11.39                      | 0.024000                        |
| 2024 | 3         | 2                 | 25839        | 0                   | 3             | 3154              | 19.30                        | 4.10                         | 33.91              | 12.34                      | 0.075240                        |
| 2024 | 3         | 2                 | 52083        | 0                   | 2             | 85                | 3.89                         | 0.38                         | 61.66              | 24.50                      | 0.026255                        |
| 2024 | 3         | 2                 | 5055         | 0                   | 3             | 1374              | 16.13                        | 5.07                         | 60.11              | 13.65                      | 0.033415                        |
| 2024 | 3         | 2                 | 66594        | 0                   | 3             | 7712              | 12.54                        | 7.42                         | 44.87              | 11.01                      | 0.025035                        |
| 2024 | 3         | 2                 | 73770        | 0                   | 3             | 1827              | 14.21                        | 4.10                         | 36.23              | 16.41                      | 0.037921                        |
| 2024 | 3         | 2                 | 5736         | 0                   | 3             | 9368              | 6.14                         | 5.08                         | 48.68              | 14.36                      | 0.049780                        |
| 2024 | 3         | 2                 | 73622        | 0                   | 3             | 1032              | 10.33                        | 3.80                         | 38.15              | 17.08                      | 0.041534                        |
| 2024 | 3         | 2                 | 66456        | 0                   | 3             | 2990              | 7.50                         | 5.23                         | 39.64              | 11.98                      | 0.034776                        |
| 2024 | 3         | 2                 | 76020        | 0                   | 2             | 88                | 1.45                         | 0.32                         | 58.79              | 39.03                      | 0.060867                        |
| 2024 | 3         | 2                 | 47541        | 0                   | 3             | 1116              | 21.15                        | 7.44                         | 37.91              | 14.74                      | 0.043813                        |
| 2024 | 3         | 2                 | 5001         | 0500112             | 2             | 1379              | 4.09                         | 0.36                         | 43.40              | 19.56                      | 0.072817                        |
| 2024 | 3         | 2                 | 15537        | 0                   | 3             | 1776              | 18.97                        | 7.19                         | 38.27              | 11.10                      | 0.023663                        |
| 2024 | 3         | 2                 | 76001        | 7600102             | 2             | 3379              | 4.63                         | 0.40                         | 49.41              | 20.82                      | 0.058817                        |
| 2024 | 3         | 2                 | 76616        | 0                   | 3             | 3686              | 34.23                        | 9.22                         | 33.85              | 11.72                      | 0.026290                        |
| 2024 | 3         | 2                 | 17541        | 0                   | 3             | 5121              | 16.47                        | 6.36                         | 49.67              | 11.61                      | 0.024418                        |
| 2024 | 3         | 2                 | 11001        | 1100114             | 2             | 4357              | 4.35                         | 0.37                         | 36.07              | 19.60                      | 0.083102                        |
| 2024 | 3         | 2                 | 41001        | 0                   | 2             | 4533              | 3.64                         | 0.35                         | 46.79              | 24.89                      | 0.058534                        |
| 2024 | 3         | 2                 | 15377        | 0                   | 3             | 1308              | 15.83                        | 7.07                         | 45.79              | 11.38                      | 0.033798                        |
| 2024 | 3         | 2                 | 81591        | 0                   | 3             | 962               | 8.15                         | 4.89                         | 70.83              | 13.36                      | 0.058727                        |
| 2024 | 3         | 2                 | 54820        | 0                   | 3             | 3676              | 8.73                         | 3.92                         | 45.45              | 14.38                      | 0.042111                        |
| 2024 | 3         | 2                 | 76890        | 0                   | 3             | 5696              | 19.43                        | 7.27                         | 37.91              | 13.03                      | 0.029141                        |
| 2024 | 3         | 2                 | 25168        | 0                   | 3             | 1486              | 19.24                        | 2.49                         | 93.95              | 19.76                      | 0.034264                        |
| 2024 | 3         | 2                 | 13001        | 0                   | 2             | 8898              | 3.64                         | 0.34                         | 51.09              | 26.80                      | 0.066030                        |
| 2024 | 3         | 2                 | 13001        | 1300101             | 2             | 4137              | 4.12                         | 0.34                         | 50.55              | 23.00                      | 0.067939                        |
| 2024 | 3         | 2                 | 13430        | 0                   | 2             | 333               | 1.78                         | 0.34                         | 61.76              | 43.58                      | 0.058020                        |
| 2024 | 3         | 2                 | 68655        | 0                   | 3             | 5521              | 12.23                        | 5.87                         | 43.81              | 15.94                      | 0.030873                        |
| 2024 | 3         | 2                 | 18001        | 0                   | 2             | 1981              | 2.65                         | 0.37                         | 56.90              | 32.83                      | 0.048453                        |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIMESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COMUNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD_DESCARGA | INDICADOR_VELOCIDAD_AD_CARGA | INDICADOR_LATENCIA | INDICADOR_FLUCTUACION_FASE | INDICADOR_TASA_PERDIDA_PAQUETES |
|------|-----------|-------------------|--------------|---------------------|---------------|-------------------|------------------------------|------------------------------|--------------------|----------------------------|---------------------------------|
| 2024 | 3         | 2                 | 5854         | 0                   | 3             | 2947              | 21.93                        | 4.92                         | 44.11              | 13.26                      | 0.038551                        |
| 2024 | 3         | 2                 | 76001        | 7600117             | 2             | 3267              | 4.88                         | 0.39                         | 50.00              | 18.58                      | 0.077977                        |
| 2024 | 3         | 2                 | 66383        | 0                   | 3             | 1889              | 11.39                        | 6.45                         | 38.17              | 10.72                      | 0.027157                        |
| 2024 | 3         | 2                 | 8520         | 0                   | 3             | 7164              | 14.84                        | 4.76                         | 33.57              | 13.34                      | 0.031991                        |
| 2024 | 3         | 2                 | 5266         | 0                   | 2             | 3634              | 5.29                         | 0.37                         | 46.56              | 19.10                      | 0.062226                        |
| 2024 | 3         | 2                 | 68385        | 0                   | 2             | 152               | 1.60                         | 0.48                         | 54.51              | 45.94                      | 0.042968                        |
| 2024 | 3         | 2                 | 13670        | 0                   | 3             | 3738              | 6.61                         | 4.56                         | 46.94              | 17.35                      | 0.030984                        |
| 2024 | 3         | 2                 | 23580        | 0                   | 3             | 5618              | 12.21                        | 9.39                         | 58.06              | 14.98                      | 0.031912                        |
| 2024 | 3         | 2                 | 13248        | 0                   | 3             | 516               | 20.57                        | 7.00                         | 45.15              | 12.88                      | 0.028331                        |
| 2024 | 3         | 2                 | 54673        | 0                   | 3             | 2758              | 14.39                        | 6.48                         | 38.46              | 14.37                      | 0.030201                        |
| 2024 | 3         | 2                 | 99524        | 0                   | 3             | 1377              | 0.95                         | 3.58                         | 84.16              | 23.23                      | 0.057806                        |
| 2024 | 3         | 2                 | 50124        | 0                   | 3             | 3721              | 14.21                        | 8.08                         | 37.94              | 15.00                      | 0.031588                        |
| 2024 | 3         | 2                 | 23670        | 0                   | 3             | 2976              | 16.20                        | 7.86                         | 40.61              | 14.34                      | 0.025806                        |
| 2024 | 3         | 2                 | 20570        | 0                   | 3             | 2278              | 9.97                         | 4.17                         | 50.89              | 17.78                      | 0.033121                        |
| 2024 | 3         | 2                 | 25662        | 0                   | 3             | 3909              | 16.38                        | 5.92                         | 32.76              | 13.47                      | 0.032427                        |
| 2024 | 3         | 2                 | 76001        | 7600119             | 2             | 3740              | 4.40                         | 0.36                         | 49.84              | 21.76                      | 0.071003                        |
| 2024 | 3         | 2                 | 13810        | 0                   | 3             | 1157              | 15.31                        | 4.57                         | 46.25              | 13.77                      | 0.034890                        |
| 2024 | 3         | 2                 | 15806        | 0                   | 3             | 8640              | 13.84                        | 8.25                         | 34.78              | 12.01                      | 0.026188                        |
| 2024 | 3         | 2                 | 76020        | 0                   | 3             | 3380              | 11.17                        | 6.37                         | 43.87              | 14.18                      | 0.033471                        |
| 2024 | 3         | 2                 | 25297        | 0                   | 3             | 4797              | 4.92                         | 6.36                         | 38.23              | 12.39                      | 0.042481                        |
| 2024 | 3         | 2                 | 54003        | 0                   | 3             | 4038              | 12.04                        | 8.17                         | 41.60              | 13.45                      | 0.025567                        |
| 2024 | 3         | 2                 | 50001        | 0                   | 2             | 13314             | 3.93                         | 1.04                         | 38.21              | 26.47                      | 0.049350                        |
| 2024 | 3         | 2                 | 50001        | 5000103             | 2             | 943               | 4.89                         | 1.13                         | 36.15              | 26.87                      | 0.039387                        |
| 2024 | 3         | 2                 | 73148        | 0                   | 3             | 7368              | 14.05                        | 6.22                         | 35.55              | 13.15                      | 0.027713                        |
| 2024 | 3         | 2                 | 27787        | 0                   | 2             | 143               | 2.06                         | 0.43                         | 62.15              | 36.33                      | 0.059656                        |
| 2024 | 3         | 2                 | 68464        | 0                   | 3             | 1511              | 4.96                         | 2.76                         | 44.56              | 17.23                      | 0.026357                        |
| 2024 | 3         | 2                 | 20787        | 0                   | 3             | 2183              | 17.12                        | 5.02                         | 44.89              | 17.19                      | 0.032936                        |
| 2024 | 3         | 2                 | 5842         | 0                   | 3             | 1225              | 9.40                         | 4.28                         | 42.30              | 13.07                      | 0.041466                        |
| 2024 | 3         | 2                 | 19548        | 0                   | 3             | 7907              | 7.56                         | 6.50                         | 40.17              | 14.83                      | 0.037829                        |
| 2024 | 3         | 2                 | 5282         | 0                   | 3             | 3163              | 20.89                        | 5.66                         | 34.33              | 11.87                      | 0.032273                        |
| 2024 | 3         | 2                 | 44078        | 0                   | 2             | 223               | 1.55                         | 0.30                         | 61.62              | 41.02                      | 0.062062                        |
| 2024 | 3         | 2                 | 52480        | 0                   | 3             | 1478              | 30.64                        | 5.45                         | 39.88              | 12.35                      | 0.025430                        |
| 2024 | 3         | 2                 | 41551        | 0                   | 2             | 874               | 1.78                         | 0.34                         | 54.57              | 33.49                      | 0.055259                        |
| 2024 | 3         | 2                 | 5134         | 0                   | 3             | 762               | 4.92                         | 1.88                         | 42.14              | 22.18                      | 0.055488                        |
| 2024 | 3         | 2                 | 52678        | 0                   | 3             | 3407              | 10.12                        | 3.88                         | 42.68              | 15.64                      | 0.031343                        |
| 2024 | 3         | 2                 | 70110        | 0                   | 3             | 1759              | 18.26                        | 10.51                        | 43.44              | 10.60                      | 0.015995                        |
| 2024 | 3         | 2                 | 52687        | 0                   | 3             | 1873              | 11.22                        | 5.23                         | 47.30              | 13.19                      | 0.043332                        |
| 2024 | 3         | 2                 | 63302        | 0                   | 3             | 3103              | 11.06                        | 7.01                         | 38.44              | 12.13                      | 0.029610                        |
| 2024 | 3         | 2                 | 13760        | 0                   | 3             | 1460              | 28.47                        | 11.04                        | 34.62              | 9.65                       | 0.015661                        |
| 2024 | 3         | 2                 | 52399        | 0                   | 3             | 5813              | 16.82                        | 6.84                         | 39.89              | 12.54                      | 0.026267                        |
| 2024 | 3         | 2                 | 25181        | 0                   | 2             | 136               | 1.98                         | 0.33                         | 44.57              | 39.14                      | 0.061001                        |
| 2024 | 3         | 2                 | 5656         | 0                   | 3             | 10854             | 13.14                        | 5.84                         | 30.20              | 11.24                      | 0.027282                        |
| 2024 | 3         | 2                 | 25736        | 0                   | 3             | 10273             | 12.69                        | 6.91                         | 34.40              | 13.22                      | 0.030236                        |
| 2024 | 3         | 2                 | 68549        | 0                   | 3             | 1896              | 14.59                        | 6.04                         | 49.58              | 16.88                      | 0.031167                        |
| 2024 | 3         | 2                 | 41306        | 0                   | 3             | 6991              | 8.74                         | 5.04                         | 55.51              | 14.11                      | 0.043099                        |
| 2024 | 3         | 2                 | 52378        | 0                   | 3             | 1974              | 18.42                        | 3.41                         | 42.13              | 13.79                      | 0.034836                        |
| 2024 | 3         | 2                 | 17442        | 0                   | 3             | 3527              | 7.31                         | 4.97                         | 55.46              | 14.85                      | 0.032506                        |
| 2024 | 3         | 2                 | 73200        | 0                   | 3             | 4396              | 11.31                        | 5.89                         | 36.63              | 13.59                      | 0.037872                        |
| 2024 | 3         | 2                 | 68572        | 0                   | 3             | 6400              | 8.52                         | 5.18                         | 38.67              | 14.47                      | 0.029324                        |
| 2024 | 3         | 2                 | 54128        | 0                   | 3             | 1477              | 0.30                         | 2.27                         | 88.72              | 12.74                      | 0.051249                        |
| 2024 | 3         | 2                 | 44874        | 0                   | 3             | 2877              | 26.69                        | 5.65                         | 36.40              | 11.85                      | 0.031120                        |
| 2024 | 3         | 2                 | 25053        | 0                   | 3             | 3932              | 17.74                        | 6.14                         | 36.59              | 14.35                      | 0.030001                        |
| 2024 | 3         | 2                 | 20750        | 0                   | 3             | 6407              | 15.31                        | 5.98                         | 39.37              | 13.44                      | 0.030170                        |
| 2024 | 3         | 2                 | 81300        | 0                   | 3             | 2668              | 14.97                        | 7.62                         | 54.56              | 14.20                      | 0.028023                        |
| 2024 | 3         | 2                 | 25793        | 0                   | 3             | 4628              | 10.41                        | 5.46                         | 30.13              | 14.61                      | 0.025716                        |
| 2024 | 3         | 2                 | 5858         | 0                   | 3             | 5719              | 5.19                         | 5.87                         | 33.09              | 14.36                      | 0.023127                        |
| 2024 | 3         | 2                 | 86219        | 0                   | 3             | 1478              | 18.95                        | 4.31                         | 39.27              | 12.92                      | 0.026948                        |
| 2024 | 3         | 2                 | 76122        | 0                   | 3             | 5692              | 9.45                         | 10.14                        | 41.78              | 11.50                      | 0.031678                        |
| 2024 | 3         | 2                 | 5664         | 0                   | 2             | 401               | 1.49                         | 0.33                         | 53.86              | 34.97                      | 0.065337                        |
| 2024 | 3         | 2                 | 11001        | 1100111             | 2             | 16827             | 4.36                         | 0.37                         | 37.24              | 20.13                      | 0.074565                        |
| 2024 | 3         | 2                 | 5360         | 0                   | 2             | 4060              | 4.35                         | 0.36                         | 46.84              | 22.23                      | 0.075284                        |
| 2024 | 3         | 2                 | 76403        | 0                   | 3             | 2111              | 23.00                        | 6.63                         | 39.68              | 13.01                      | 0.033243                        |
| 2024 | 3         | 2                 | 27660        | 0                   | 3             | 573               | 11.31                        | 4.31                         | 39.21              | 12.43                      | 0.026017                        |
| 2024 | 3         | 2                 | 54800        | 0                   | 3             | 685               | 1.75                         | 3.15                         | 88.03              | 13.50                      | 0.043834                        |
| 2024 | 3         | 2                 | 27077        | 0                   | 3             | 1651              | 7.20                         | 4.70                         | 38.19              | 12.07                      | 0.028908                        |
| 2024 | 3         | 2                 | 54313        | 0                   | 3             | 1609              | 15.72                        | 7.69                         | 45.25              | 14.22                      | 0.025853                        |
| 2024 | 3         | 2                 | 85263        | 0                   | 3             | 3778              | 10.89                        | 4.17                         | 42.90              | 15.10                      | 0.036048                        |
| 2024 | 3         | 2                 | 5576         | 0                   | 3             | 1620              | 17.40                        | 8.44                         | 34.60              | 9.90                       | 0.026252                        |
| 2024 | 3         | 2                 | 20001        | 2000103             | 2             | 549               | 2.27                         | 0.33                         | 55.08              | 31.91                      | 0.050385                        |
| 2024 | 3         | 2                 | 25781        | 0                   | 3             | 4325              | 12.52                        | 6.97                         | 33.31              | 13.20                      | 0.026236                        |
| 2024 | 3         | 2                 | 63594        | 0                   | 2             | 613               | 2.10                         | 0.33                         | 57.53              | 31.45                      | 0.061350                        |
| 2024 | 3         | 2                 | 13074        | 0                   | 3             | 1980              | 14.99                        | 8.62                         | 39.53              | 11.81                      | 0.027401                        |
| 2024 | 3         | 2                 | 25245        | 0                   | 3             | 17340             | 10.15                        | 6.77                         | 37.42              | 14.64                      | 0.037005                        |
| 2024 | 3         | 2                 | 52573        | 0                   | 3             | 1894              | 12.37                        | 3.34                         | 42.02              | 15.78                      | 0.031619                        |
| 2024 | 3         | 2                 | 73043        | 0                   | 3             | 1028              | 17.23                        | 5.10                         | 33.92              | 14.59                      | 0.030837                        |
| 2024 | 3         | 2                 | 5887         | 0                   | 2             | 445               | 1.83                         | 0.25                         | 58.46              | 41.95                      | 0.075103                        |
| 2024 | 3         | 2                 | 11001        | 1100119             | 2             | 7067              | 2.85                         | 0.37                         | 40.58              | 27.42                      | 0.067900                        |
| 2024 | 3         | 2                 | 27025        | 0                   | 3             | 665               | 4.50                         | 4.54                         | 57.08              | 14.71                      | 0.028196                        |
| 2024 | 3         | 2                 | 68051        | 0                   | 3             | 3576              | 18.22                        | 8.04                         | 41.02              | 12.71                      | 0.027343                        |
| 2024 | 3         | 2                 | 15600        | 0                   | 3             | 4127              | 15.23                        | 5.76                         | 46.36              | 13.05                      | 0.030097                        |
| 2024 | 3         | 2                 | 52621        | 0                   | 3             | 660               | 0.53                         | 1.67                         | 55.05              | 23.62                      | 0.042654                        |
| 2024 | 3         | 2                 | 70508        | 0                   | 3             | 3526              | 16.81                        | 6.46                         | 41.61              | 13.05                      | 0.026803                        |
| 2024 | 3         | 2                 | 20001        | 2000106             | 2             | 537               | 4.87                         | 0.39                         | 51.30              | 19.00                      | 0.073825                        |
| 2024 | 3         | 2                 | 70418        | 0                   | 3             | 3969              | 17.80                        | 6.40                         | 53.00              | 13.16                      | 0.032511                        |
| 2024 | 3         | 2                 | 52540        | 0                   | 3             | 1290              | 3.02                         | 4.91                         | 62.61              | 16.17                      | 0.040336                        |
| 2024 | 3         | 2                 | 17433        | 0                   | 3             | 4315              | 14.22                        | 7.48                         | 43.62              | 10.48                      | 0.023860                        |
| 2024 | 3         | 2                 | 15763        | 0                   | 3             | 4001              | 11.30                        | 6.36                         | 37.51              | 13.22                      | 0.045254                        |
| 2024 | 3         | 2                 | 70523        | 0                   | 3             | 1221              | 17.00                        | 3.95                         | 38.33              | 13.63                      | 0.032765                        |
| 2024 | 3         | 2                 | 68001        | 6800111             | 3             | 9367              | 16.30                        | 9.92                         | 39.79              | 11.31                      | 0.021087                        |
| 2024 | 3         | 2                 | 52215        | 0                   | 3             | 1731              | 11.25                        | 4.38                         | 42.14              | 15.20                      | 0.027214                        |
| 2024 | 3         | 2                 | 68444        | 0                   | 3             | 801               | 14.99                        | 4.56                         | 34.33              | 11.96                      | 0.025137                        |
| 2024 | 3         | 2                 | 86755        | 0                   | 3             | 1228              | 11.79                        | 3.97                         | 44.46              | 15.30                      | 0.030117                        |
| 2024 | 3         | 2                 | 68385        | 0                   | 3             | 3026              | 12.68                        | 4.55                         | 46.55              | 13.92                      | 0.045534                        |
| 2024 | 3         | 2                 | 5347         | 0                   | 3             | 1328              | 13.60                        | 4.14                         | 38.02              | 14.67                      | 0.031850                        |
| 2024 | 3         | 2                 | 15051        | 0                   | 3             | 3612              | 13.16                        | 6.32                         | 32.55              | 10.94                      | 0.025742                        |
| 2024 | 3         | 2                 | 68229        | 0                   | 3             | 2345              | 17.75                        | 5.09                         | 39.15              | 12.81                      | 0.029858                        |
| 2024 | 3         | 2                 | 11001        | 1100106             | 2             | 3731              | 3.20                         | 0.38                         | 38.04              | 22.60                      | 0.070378                        |
| 2024 | 3         | 2                 | 85410        | 0                   | 2             | 370               | 1.13                         | 0.47                         | 81.68              | 49.45                      | 0.034225                        |
| 2024 | 3         | 2                 | 50711        | 0                   | 3             | 4110              | 10.89                        | 8.39                         | 36.33              | 13.66                      | 0.039972                        |
| 2024 | 3         | 2                 | 15790        | 0                   | 3             | 1763              | 14.87                        | 5.25                         | 37.61              | 11.62                      | 0.025724                        |
| 2024 | 3         | 2                 | 15464        | 0                   | 3             | 770               | 13.78                        | 5.70                         | 33.57              | 9.88                       | 0.021950                        |
| 2024 | 3         | 2                 | 73001        | 0                   | 2             | 8487              | 3.32                         | 0.36                         | 41.14              | 26.70                      | 0.068511                        |
| 2024 | 3         | 2                 | 73001        | 7300103             | 2             | 388               | 4.05                         | 0.37                         | 39.20              | 19.56                      | 0.078457                        |
| 2024 | 3         | 2                 | 5809         | 0                   | 3             | 3659              | 10.51                        | 4.63                         | 40.17              | 15.98                      | 0.029772                        |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIMESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COMUNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD_DESCARGA | INDICADOR_VELOCIDAD_CARGA | INDICADOR_LATENCIA | INDICADOR_FLUCTUACION_FASE | INDICADOR_TASA_PERDIDA_PAQUETES |
|------|-----------|-------------------|--------------|---------------------|---------------|-------------------|------------------------------|---------------------------|--------------------|----------------------------|---------------------------------|
| 2024 | 3         | 2                 | 52560        | 0                   | 3             | 1754              | 15.05                        | 7.48                      | 43.30              | 13.01                      | 0.025893                        |
| 2024 | 3         | 2                 | 8758         | 0                   | 2             | 3198              | 3.25                         | 0.35                      | 45.46              | 27.35                      | 0.055817                        |
| 2024 | 3         | 2                 | 8758         | 0875802             | 2             | 801               | 3.09                         | 0.35                      | 46.23              | 30.65                      | 0.052556                        |
| 2024 | 3         | 2                 | 25594        | 0                   | 3             | 3938              | 13.29                        | 4.65                      | 32.26              | 14.89                      | 0.028595                        |
| 2024 | 3         | 2                 | 52233        | 0                   | 3             | 647               | 3.81                         | 6.77                      | 45.71              | 12.93                      | 0.029785                        |
| 2024 | 3         | 2                 | 41660        | 0                   | 3             | 1451              | 23.73                        | 9.75                      | 37.67              | 12.72                      | 0.026390                        |
| 2024 | 3         | 2                 | 5088         | 0508807             | 3             | 12341             | 10.17                        | 5.70                      | 30.60              | 14.61                      | 0.032469                        |
| 2024 | 3         | 2                 | 85430        | 0                   | 3             | 3494              | 9.91                         | 11.17                     | 34.96              | 13.39                      | 0.020346                        |
| 2024 | 3         | 2                 | 68780        | 0                   | 3             | 1396              | 7.87                         | 3.12                      | 34.88              | 14.63                      | 0.025765                        |
| 2024 | 3         | 2                 | 50223        | 0                   | 3             | 4239              | 10.42                        | 7.90                      | 34.11              | 14.28                      | 0.025866                        |
| 2024 | 3         | 2                 | 5368         | 0                   | 3             | 3760              | 12.89                        | 5.52                      | 36.05              | 10.82                      | 0.037216                        |
| 2024 | 3         | 2                 | 63212        | 0                   | 3             | 1463              | 16.93                        | 7.33                      | 44.06              | 18.39                      | 0.031699                        |
| 2024 | 3         | 2                 | 23807        | 0                   | 2             | 313               | 0.70                         | 0.32                      | 56.65              | 46.72                      | 0.029256                        |
| 2024 | 3         | 2                 | 25878        | 0                   | 3             | 5316              | 13.51                        | 5.12                      | 35.54              | 14.05                      | 0.029535                        |
| 2024 | 3         | 2                 | 41548        | 0                   | 3             | 2312              | 8.72                         | 2.87                      | 42.25              | 13.90                      | 0.037505                        |
| 2024 | 3         | 2                 | 25175        | 0                   | 2             | 4246              | 3.74                         | 0.39                      | 38.94              | 20.95                      | 0.071594                        |
| 2024 | 3         | 2                 | 50150        | 0                   | 3             | 6205              | 8.45                         | 4.35                      | 36.77              | 17.46                      | 0.035425                        |
| 2024 | 3         | 2                 | 52435        | 0                   | 3             | 2068              | 9.57                         | 3.56                      | 42.91              | 16.86                      | 0.043293                        |
| 2024 | 3         | 2                 | 70235        | 0                   | 3             | 1710              | 22.07                        | 11.53                     | 45.40              | 10.85                      | 0.019784                        |
| 2024 | 3         | 2                 | 17616        | 0                   | 3             | 3433              | 7.77                         | 5.43                      | 41.85              | 13.49                      | 0.031410                        |
| 2024 | 3         | 2                 | 41791        | 0                   | 3             | 3687              | 14.30                        | 5.91                      | 40.59              | 13.38                      | 0.034149                        |
| 2024 | 3         | 2                 | 41006        | 0                   | 3             | 5116              | 6.83                         | 5.12                      | 46.89              | 15.14                      | 0.045824                        |
| 2024 | 3         | 2                 | 8758         | 0875804             | 2             | 913               | 2.89                         | 0.35                      | 45.18              | 28.50                      | 0.057564                        |
| 2024 | 3         | 2                 | 18756        | 0                   | 3             | 2590              | 16.53                        | 13.53                     | 38.36              | 12.12                      | 0.027449                        |
| 2024 | 3         | 2                 | 15837        | 0                   | 3             | 4719              | 11.31                        | 7.09                      | 37.79              | 12.96                      | 0.039958                        |
| 2024 | 3         | 2                 | 25040        | 0                   | 3             | 5903              | 5.76                         | 5.81                      | 29.47              | 12.82                      | 0.029261                        |
| 2024 | 3         | 2                 | 73283        | 0                   | 3             | 5536              | 5.79                         | 3.32                      | 38.18              | 18.12                      | 0.039837                        |
| 2024 | 3         | 2                 | 17513        | 0                   | 3             | 1964              | 14.66                        | 5.26                      | 48.60              | 10.98                      | 0.029067                        |
| 2024 | 3         | 2                 | 5001         | 0500109             | 2             | 1568              | 3.71                         | 0.36                      | 44.17              | 24.11                      | 0.068423                        |
| 2024 | 3         | 2                 | 15740        | 0                   | 3             | 1623              | 16.06                        | 7.12                      | 34.75              | 12.93                      | 0.026469                        |
| 2024 | 3         | 2                 | 41770        | 0                   | 3             | 3933              | 9.48                         | 5.55                      | 56.67              | 16.47                      | 0.038915                        |
| 2024 | 3         | 2                 | 73616        | 0                   | 2             | 112               | 1.18                         | 0.32                      | 56.93              | 43.18                      | 0.034965                        |
| 2024 | 3         | 2                 | 17873        | 0                   | 2             | 718               | 3.18                         | 0.43                      | 56.20              | 22.90                      | 0.071344                        |
| 2024 | 3         | 2                 | 68684        | 0                   | 3             | 974               | 8.08                         | 2.95                      | 40.79              | 18.35                      | 0.034294                        |
| 2024 | 3         | 2                 | 25851        | 0                   | 3             | 2204              | 15.01                        | 2.95                      | 30.16              | 11.14                      | 0.032145                        |
| 2024 | 3         | 2                 | 5659         | 0                   | 3             | 3368              | 15.66                        | 7.25                      | 46.43              | 13.97                      | 0.025076                        |
| 2024 | 3         | 2                 | 20310        | 0                   | 3             | 817               | 24.13                        | 14.54                     | 37.81              | 9.07                       | 0.017148                        |
| 2024 | 3         | 2                 | 73520        | 0                   | 3             | 2447              | 17.41                        | 10.06                     | 33.77              | 12.60                      | 0.025374                        |
| 2024 | 3         | 2                 | 50350        | 0                   | 3             | 6315              | 6.04                         | 8.34                      | 69.99              | 15.91                      | 0.048677                        |
| 2024 | 3         | 2                 | 5607         | 0                   | 2             | 878               | 1.79                         | 0.31                      | 55.35              | 34.29                      | 0.061966                        |
| 2024 | 3         | 2                 | 54385        | 0                   | 3             | 1719              | 13.72                        | 3.79                      | 68.27              | 19.24                      | 0.038139                        |
| 2024 | 3         | 2                 | 76890        | 0                   | 2             | 320               | 2.69                         | 0.33                      | 55.25              | 33.46                      | 0.044571                        |
| 2024 | 3         | 2                 | 27050        | 0                   | 3             | 1790              | 9.29                         | 5.91                      | 50.31              | 15.11                      | 0.036991                        |
| 2024 | 3         | 2                 | 76377        | 0                   | 3             | 4477              | 22.31                        | 4.55                      | 36.09              | 13.07                      | 0.029569                        |
| 2024 | 3         | 2                 | 73352        | 0                   | 3             | 5208              | 8.96                         | 7.92                      | 36.55              | 13.98                      | 0.028094                        |
| 2024 | 3         | 2                 | 8137         | 0                   | 3             | 2108              | 17.58                        | 5.11                      | 34.06              | 14.23                      | 0.033974                        |
| 2024 | 3         | 2                 | 70001        | 0                   | 2             | 1587              | 2.19                         | 0.35                      | 49.42              | 29.09                      | 0.053197                        |
| 2024 | 3         | 2                 | 52258        | 0                   | 3             | 1356              | 11.31                        | 2.70                      | 41.16              | 17.45                      | 0.036293                        |
| 2024 | 3         | 2                 | 70742        | 0                   | 3             | 4913              | 12.81                        | 6.01                      | 45.76              | 12.19                      | 0.025407                        |
| 2024 | 3         | 2                 | 11001        | -1                  | 3             | 806               | 9.08                         | 4.37                      | 36.27              | 13.32                      | 0.026074                        |
| 2024 | 3         | 2                 | 27245        | 0                   | 3             | 5451              | 11.66                        | 9.30                      | 44.71              | 11.57                      | 0.029290                        |
| 2024 | 3         | 2                 | 11001        | 1100105             | 2             | 5144              | 2.19                         | 0.37                      | 41.10              | 28.33                      | 0.054820                        |
| 2024 | 3         | 2                 | 70702        | 0                   | 3             | 2098              | 23.02                        | 6.11                      | 45.42              | 12.53                      | 0.028749                        |
| 2024 | 3         | 2                 | 5138         | 0                   | 2             | 159               | 1.51                         | 0.37                      | 57.18              | 34.39                      | 0.025676                        |
| 2024 | 3         | 2                 | 19137        | 0                   | 3             | 4092              | 4.89                         | 3.48                      | 52.12              | 16.86                      | 0.062512                        |
| 2024 | 3         | 2                 | 68081        | 0                   | 2             | 2259              | 3.05                         | 0.34                      | 49.03              | 30.03                      | 0.045748                        |
| 2024 | 3         | 2                 | 50318        | 0                   | 3             | 10115             | 9.23                         | 8.45                      | 34.99              | 12.94                      | 0.041150                        |
| 2024 | 3         | 2                 | 20228        | 0                   | 2             | 421               | 1.97                         | 0.29                      | 51.35              | 38.90                      | 0.039000                        |
| 2024 | 3         | 2                 | 47318        | 0                   | 3             | 2005              | 25.13                        | 8.47                      | 42.49              | 12.24                      | 0.031388                        |
| 2024 | 3         | 2                 | 50330        | 0                   | 3             | 3908              | 8.17                         | 2.74                      | 39.32              | 17.55                      | 0.034506                        |
| 2024 | 3         | 2                 | 73870        | 0                   | 3             | 1635              | 10.74                        | 5.25                      | 36.91              | 15.55                      | 0.034449                        |
| 2024 | 3         | 2                 | 52083        | 0                   | 3             | 1061              | 34.10                        | 6.33                      | 39.98              | 11.86                      | 0.027551                        |
| 2024 | 3         | 2                 | 68500        | 0                   | 3             | 2578              | 21.54                        | 5.82                      | 38.85              | 12.38                      | 0.030755                        |
| 2024 | 3         | 2                 | 5264         | 0                   | 3             | 4107              | 14.84                        | 6.84                      | 32.07              | 12.18                      | 0.024519                        |
| 2024 | 3         | 2                 | 13001        | 1300103             | 2             | 2468              | 3.44                         | 0.33                      | 50.88              | 29.28                      | 0.069794                        |
| 2024 | 3         | 2                 | 27800        | 0                   | 3             | 2315              | 8.97                         | 5.02                      | 48.65              | 14.21                      | 0.029628                        |
| 2024 | 3         | 2                 | 5240         | 0                   | 2             | 123               | 1.64                         | 0.65                      | 54.46              | 32.24                      | 0.094365                        |
| 2024 | 3         | 2                 | 15272        | 0                   | 3             | 2564              | 17.19                        | 4.33                      | 38.21              | 13.52                      | 0.031725                        |
| 2024 | 3         | 2                 | 23675        | 0                   | 2             | 151               | 1.77                         | 0.38                      | 50.74              | 41.55                      | 0.027961                        |
| 2024 | 3         | 2                 | 73124        | 0                   | 2             | 298               | 2.94                         | 0.37                      | 45.84              | 22.07                      | 0.047281                        |
| 2024 | 3         | 2                 | 8001         | 0800105             | 2             | 2412              | 5.30                         | 0.39                      | 41.98              | 16.01                      | 0.074659                        |
| 2024 | 3         | 2                 | 25845        | 0                   | 3             | 2100              | 6.67                         | 3.12                      | 35.54              | 21.10                      | 0.040262                        |
| 2024 | 3         | 2                 | 66687        | 0                   | 3             | 3557              | 7.87                         | 4.26                      | 40.15              | 13.62                      | 0.038440                        |
| 2024 | 3         | 2                 | 23466        | 0                   | 2             | 372               | 1.91                         | 0.33                      | 87.82              | 45.39                      | 0.047106                        |
| 2024 | 3         | 2                 | 19701        | 0                   | 3             | 1619              | 10.19                        | 3.11                      | 51.41              | 18.91                      | 0.031388                        |
| 2024 | 3         | 2                 | 5088         | 0508804             | 2             | 939               | 3.03                         | 0.34                      | 47.78              | 30.82                      | 0.051708                        |
| 2024 | 3         | 2                 | 5059         | 0                   | 3             | 1351              | 25.64                        | 7.76                      | 38.88              | 12.36                      | 0.025960                        |
| 2024 | 3         | 2                 | 50680        | 0                   | 3             | 3650              | 12.55                        | 9.29                      | 35.73              | 12.46                      | 0.044288                        |
| 2024 | 3         | 2                 | 73236        | 0                   | 3             | 1503              | 25.65                        | 9.67                      | 36.89              | 14.11                      | 0.028030                        |
| 2024 | 3         | 2                 | 15740        | 0                   | 2             | 86                | 0.98                         | 1.00                      | 49.45              | 36.66                      | 0.023592                        |
| 2024 | 3         | 2                 | 15500        | 0                   | 3             | 2258              | 13.13                        | 5.97                      | 34.03              | 13.66                      | 0.029679                        |
| 2024 | 3         | 2                 | 52354        | 0                   | 3             | 2707              | 15.95                        | 3.68                      | 39.38              | 14.44                      | 0.033830                        |
| 2024 | 3         | 2                 | 8141         | 0                   | 3             | 1815              | 14.56                        | 10.85                     | 33.53              | 10.13                      | 0.029149                        |
| 2024 | 3         | 2                 | 52203        | 0                   | 3             | 984               | 18.55                        | 3.89                      | 41.37              | 14.39                      | 0.029878                        |
| 2024 | 3         | 2                 | 76863        | 0                   | 3             | 1285              | 14.70                        | 4.34                      | 43.63              | 14.08                      | 0.030392                        |
| 2024 | 3         | 2                 | 70124        | 0                   | 3             | 1158              | 7.45                         | 3.46                      | 58.71              | 16.80                      | 0.048767                        |
| 2024 | 3         | 2                 | 15518        | 0                   | 3             | 1353              | 12.53                        | 4.12                      | 49.38              | 14.84                      | 0.050397                        |
| 2024 | 3         | 2                 | 25120        | 0                   | 3             | 1621              | 13.32                        | 3.81                      | 34.08              | 13.63                      | 0.028293                        |
| 2024 | 3         | 2                 | 19397        | 0                   | 2             | 61                | 1.52                         | 0.33                      | 52.95              | 40.33                      | 0.033088                        |
| 2024 | 3         | 2                 | 15248        | 0                   | 3             | 874               | 22.43                        | 7.47                      | 43.19              | 14.99                      | 0.026875                        |
| 2024 | 3         | 2                 | 5001         | 0500103             | 2             | 780               | 2.68                         | 0.35                      | 47.12              | 24.40                      | 0.060712                        |
| 2024 | 3         | 2                 | 73624        | 0                   | 3             | 4857              | 11.84                        | 6.54                      | 34.78              | 12.78                      | 0.025160                        |
| 2024 | 3         | 2                 | 85010        | 0                   | 2             | 469               | 2.50                         | 0.33                      | 52.16              | 34.43                      | 0.052893                        |
| 2024 | 3         | 2                 | 11001        | 1100107             | 2             | 9049              | 2.74                         | 0.38                      | 39.49              | 27.59                      | 0.063456                        |
| 2024 | 3         | 2                 | 50287        | 0                   | 3             | 4319              | 15.93                        | 8.51                      | 37.70              | 11.70                      | 0.024596                        |
| 2024 | 3         | 2                 | 5001         | 0500104             | 2             | 1571              | 2.99                         | 0.36                      | 47.05              | 26.74                      | 0.058894                        |
| 2024 | 3         | 2                 | 5088         | 0508805             | 2             | 350               | 1.60                         | 0.29                      | 49.28              | 36.81                      | 0.048811                        |
| 2024 | 3         | 2                 | 5310         | 0                   | 3             | 1996              | 19.41                        | 8.46                      | 32.92              | 10.33                      | 0.025391                        |
| 2024 | 3         | 2                 | 5001         | 0500107             | 2             | 2466              | 3.37                         | 0.34                      | 44.12              | 27.03                      | 0.060297                        |
| 2024 | 3         | 2                 | 5390         | 0                   | 2             | 87                | 2.19                         | 0.32                      | 53.46              | 27.53                      | 0.073962                        |
| 2024 | 3         | 2                 | 68176        | 0                   | 3             | 548               | 30.21                        | 4.89                      | 37.80              | 13.95                      | 0.027375                        |
| 2024 | 3         | 2                 | 18256        | 0                   | 3             | 1582              | 12.75                        | 5.55                      | 37.74              | 14.76                      | 0.030349                        |
| 2024 | 3         | 2                 | 15686        | 0                   | 3             | 2076              | 19.40                        | 5.67                      | 35.40              | 12.62                      | 0.026113                        |
| 2024 | 3         | 2                 | 68147        | 0                   | 3             | 1872              | 15.44                        | 6.67                      | 43.56              | 12.30                      | 0.024659                        |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIMESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COMUNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD_DESCARGA | INDICADOR_VELOCIDAD_CARGA | INDICADOR_LATENCIA | INDICADOR_FLUCTUACION_FASE | INDICADOR_TASA_PERDIDA_PAQUETES |
|------|-----------|-------------------|--------------|---------------------|---------------|-------------------|------------------------------|---------------------------|--------------------|----------------------------|---------------------------------|
| 2024 | 3         | 2                 | 76001        | 7600114             | 2             | 861               | 2.29                         | 0.34                      | 51.51              | 30.48                      | 0.051335                        |
| 2024 | 3         | 2                 | 5615         | 0                   | 2             | 3925              | 2.55                         | 0.35                      | 50.80              | 28.87                      | 0.062140                        |
| 2024 | 3         | 2                 | 68689        | 0                   | 3             | 4245              | 6.69                         | 4.74                      | 43.64              | 16.27                      | 0.031815                        |
| 2024 | 3         | 2                 | 68368        | 0                   | 3             | 892               | 27.96                        | 10.02                     | 37.18              | 13.17                      | 0.022618                        |
| 2024 | 3         | 2                 | 50251        | 0                   | 3             | 1864              | 18.53                        | 8.69                      | 37.09              | 12.68                      | 0.027847                        |
| 2024 | 3         | 2                 | 76001        | 7600107             | 2             | 1083              | 3.59                         | 0.34                      | 52.20              | 27.52                      | 0.073860                        |
| 2024 | 3         | 2                 | 76001        | 7600108             | 2             | 1437              | 3.62                         | 0.35                      | 50.22              | 24.94                      | 0.063823                        |
| 2024 | 3         | 2                 | 41298        | 0                   | 2             | 623               | 1.58                         | 0.36                      | 53.68              | 29.67                      | 0.056860                        |
| 2024 | 3         | 2                 | 5079         | 0                   | 2             | 503               | 1.43                         | 0.32                      | 55.10              | 40.77                      | 0.051840                        |
| 2024 | 3         | 2                 | 54344        | 0                   | 2             | 18                | 0.45                         | 0.95                      | 55.16              | 40.61                      | 0.011899                        |
| 2024 | 3         | 2                 | 15511        | 0                   | 3             | 971               | 18.57                        | 3.45                      | 35.69              | 14.00                      | 0.034235                        |
| 2024 | 3         | 2                 | 54001        | 5400103             | 2             | 390               | 3.52                         | 0.38                      | 44.48              | 25.59                      | 0.062078                        |
| 2024 | 3         | 2                 | 8001         | 0800103             | 2             | 1971              | 4.00                         | 0.35                      | 43.65              | 23.30                      | 0.066708                        |
| 2024 | 3         | 2                 | 5467         | 0                   | 3             | 1111              | 18.25                        | 5.93                      | 64.35              | 13.87                      | 0.041227                        |
| 2024 | 3         | 2                 | 25599        | 0                   | 3             | 5793              | 19.31                        | 8.31                      | 35.06              | 12.24                      | 0.030585                        |
| 2024 | 3         | 2                 | 47001        | 0                   | 2             | 5123              | 2.78                         | 0.34                      | 48.85              | 27.31                      | 0.057934                        |
| 2024 | 3         | 2                 | 47001        | 4700101             | 2             | 1803              | 2.44                         | 0.37                      | 50.17              | 30.57                      | 0.047429                        |
| 2024 | 3         | 2                 | 68001        | 6800113             | 2             | 1133              | 4.46                         | 0.36                      | 45.72              | 24.27                      | 0.058024                        |
| 2024 | 3         | 2                 | 11001        | 1100108             | 2             | 17281             | 3.61                         | 0.38                      | 37.92              | 23.91                      | 0.071138                        |
| 2024 | 3         | 2                 | 27810        | 0                   | 3             | 2030              | 15.97                        | 5.91                      | 42.27              | 15.47                      | 0.032970                        |
| 2024 | 3         | 2                 | 8606         | 0                   | 2             | 99                | 1.19                         | 0.29                      | 56.20              | 39.97                      | 0.080662                        |
| 2024 | 3         | 2                 | 76736        | 0                   | 2             | 141               | 1.90                         | 0.30                      | 58.88              | 42.11                      | 0.039702                        |
| 2024 | 3         | 2                 | 25518        | 0                   | 3             | 1486              | 27.15                        | 6.49                      | 31.59              | 11.49                      | 0.028685                        |
| 2024 | 3         | 2                 | 47707        | 0                   | 2             | 152               | 0.85                         | 0.34                      | 57.40              | 35.62                      | 0.034386                        |
| 2024 | 3         | 2                 | 25438        | 0                   | 3             | 2439              | 8.65                         | 6.60                      | 43.19              | 12.86                      | 0.040575                        |
| 2024 | 3         | 2                 | 19022        | 0                   | 3             | 1325              | 19.43                        | 6.87                      | 48.25              | 13.87                      | 0.035364                        |
| 2024 | 3         | 2                 | 15480        | 0                   | 3             | 2954              | 7.76                         | 4.42                      | 39.31              | 12.89                      | 0.024811                        |
| 2024 | 3         | 2                 | 54099        | 0                   | 3             | 1720              | 15.69                        | 5.24                      | 39.79              | 13.77                      | 0.029798                        |
| 2024 | 3         | 2                 | 86757        | 0                   | 3             | 2491              | 5.92                         | 4.69                      | 51.22              | 18.49                      | 0.048021                        |
| 2024 | 3         | 2                 | 13042        | 0                   | 3             | 1199              | 18.39                        | 8.82                      | 46.61              | 11.78                      | 0.032366                        |
| 2024 | 3         | 2                 | 13836        | 0                   | 2             | 1089              | 2.09                         | 0.33                      | 53.32              | 36.74                      | 0.067619                        |
| 2024 | 3         | 2                 | 66572        | 0                   | 2             | 172               | 2.94                         | 0.95                      | 55.06              | 22.20                      | 0.051534                        |
| 2024 | 3         | 2                 | 11001        | 1100112             | 2             | 6978              | 5.18                         | 0.39                      | 38.02              | 20.07                      | 0.076619                        |
| 2024 | 3         | 2                 | 44279        | 0                   | 2             | 255               | 1.83                         | 0.34                      | 58.66              | 36.09                      | 0.058030                        |
| 2024 | 3         | 2                 | 19050        | 0                   | 3             | 1774              | 13.00                        | 3.53                      | 45.70              | 20.51                      | 0.037391                        |
| 2024 | 3         | 2                 | 76109        | 0                   | 2             | 1119              | 2.47                         | 0.30                      | 54.07              | 32.66                      | 0.054470                        |
| 2024 | 3         | 2                 | 41807        | 0                   | 3             | 3134              | 22.61                        | 6.37                      | 43.76              | 13.17                      | 0.037777                        |
| 2024 | 3         | 2                 | 23168        | 0                   | 3             | 1457              | 23.59                        | 7.68                      | 40.80              | 12.23                      | 0.028404                        |
| 2024 | 3         | 2                 | 25286        | 0                   | 2             | 3083              | 3.25                         | 0.38                      | 38.41              | 22.57                      | 0.074763                        |
| 2024 | 3         | 2                 | 25758        | 0                   | 2             | 952               | 3.34                         | 0.49                      | 39.75              | 21.89                      | 0.060248                        |
| 2024 | 3         | 2                 | 15087        | 0                   | 3             | 3377              | 6.76                         | 6.92                      | 36.91              | 14.27                      | 0.030279                        |
| 2024 | 3         | 2                 | 63470        | 0                   | 2             | 665               | 3.48                         | 0.33                      | 55.58              | 29.93                      | 0.077176                        |
| 2024 | 3         | 2                 | 15839        | 0                   | 3             | 948               | 7.96                         | 4.37                      | 40.67              | 13.49                      | 0.047151                        |
| 2024 | 3         | 2                 | 8560         | 0                   | 2             | 123               | 2.33                         | 0.36                      | 52.09              | 36.59                      | 0.040951                        |
| 2024 | 3         | 2                 | 88001        | 0                   | 2             | 1191              | 3.91                         | 0.34                      | 63.37              | 23.08                      | 0.071649                        |
| 2024 | 3         | 2                 | 5543         | 0                   | 3             | 1730              | 13.37                        | 4.27                      | 46.91              | 11.96                      | 0.041158                        |
| 2024 | 3         | 2                 | 41503        | 0                   | 3             | 1078              | 20.91                        | 3.08                      | 43.08              | 16.60                      | 0.041079                        |
| 2024 | 3         | 2                 | 5088         | -1                  | 2             | 436               | 3.14                         | 0.57                      | 44.90              | 28.26                      | 0.059065                        |
| 2024 | 3         | 2                 | 25307        | 0                   | 2             | 2235              | 3.76                         | 1.12                      | 38.02              | 25.03                      | 0.045501                        |
| 2024 | 3         | 2                 | 15755        | 0                   | 3             | 2250              | 9.23                         | 6.47                      | 38.16              | 13.48                      | 0.026639                        |
| 2024 | 3         | 2                 | 25483        | 0                   | 3             | 1796              | 9.00                         | 4.41                      | 34.38              | 12.50                      | 0.040835                        |
| 2024 | 3         | 2                 | 5282         | 0                   | 2             | 168               | 2.34                         | 0.33                      | 56.43              | 36.06                      | 0.039294                        |
| 2024 | 3         | 2                 | 25154        | 0                   | 3             | 2700              | 12.40                        | 4.25                      | 39.15              | 14.94                      | 0.030757                        |
| 2024 | 3         | 2                 | 76001        | 7600105             | 2             | 1492              | 4.53                         | 0.35                      | 50.50              | 20.08                      | 0.063297                        |
| 2024 | 3         | 2                 | 25178        | 0                   | 3             | 9567              | 7.08                         | 6.51                      | 33.07              | 15.74                      | 0.031516                        |
| 2024 | 3         | 2                 | 13654        | 0                   | 2             | 65                | 0.85                         | 0.35                      | 54.90              | 38.97                      | 0.083545                        |
| 2024 | 3         | 2                 | 20001        | 2000105             | 2             | 845               | 3.34                         | 0.35                      | 52.51              | 21.89                      | 0.072786                        |
| 2024 | 3         | 2                 | 27491        | 0                   | 3             | 1132              | 14.43                        | 5.54                      | 38.27              | 9.69                       | 0.024926                        |
| 2024 | 3         | 2                 | 19821        | 0                   | 3             | 2118              | 9.83                         | 4.75                      | 39.40              | 14.70                      | 0.046531                        |
| 2024 | 3         | 2                 | 13001        | 1300102             | 2             | 1433              | 3.03                         | 0.34                      | 51.94              | 33.30                      | 0.053845                        |
| 2024 | 3         | 2                 | 25592        | 0                   | 3             | 3087              | 17.64                        | 4.22                      | 31.99              | 13.45                      | 0.031568                        |
| 2024 | 3         | 2                 | 27001        | 0                   | 2             | 1110              | 1.18                         | 0.33                      | 61.50              | 42.44                      | 0.052743                        |
| 2024 | 3         | 2                 | 8573         | 0                   | 2             | 793               | 4.76                         | 0.74                      | 39.97              | 19.62                      | 0.061296                        |
| 2024 | 3         | 2                 | 76001        | 7600116             | 2             | 1058              | 3.50                         | 0.37                      | 50.01              | 21.57                      | 0.061751                        |
| 2024 | 3         | 2                 | 47980        | 0                   | 2             | 296               | 1.15                         | 0.28                      | 58.83              | 45.32                      | 0.048246                        |
| 2024 | 3         | 2                 | 68255        | 0                   | 3             | 2779              | 11.75                        | 4.61                      | 38.63              | 13.93                      | 0.027793                        |
| 2024 | 3         | 2                 | 5665         | 0                   | 2             | 203               | 1.45                         | 0.33                      | 68.96              | 36.15                      | 0.042847                        |
| 2024 | 3         | 2                 | 23580        | 0                   | 2             | 155               | 1.26                         | 0.33                      | 68.08              | 48.83                      | 0.043530                        |
| 2024 | 3         | 2                 | 23001        | 2300106             | 2             | 500               | 2.71                         | 0.39                      | 54.93              | 26.32                      | 0.066008                        |
| 2024 | 3         | 2                 | 25653        | 0                   | 3             | 946               | 23.05                        | 7.40                      | 36.25              | 15.33                      | 0.026694                        |
| 2024 | 3         | 2                 | 8001         | 0800102             | 2             | 1551              | 2.96                         | 0.35                      | 44.44              | 26.91                      | 0.060638                        |
| 2024 | 3         | 2                 | 5318         | 0                   | 2             | 830               | 1.50                         | 0.33                      | 52.20              | 35.26                      | 0.059881                        |
| 2024 | 3         | 2                 | 25867        | 0                   | 3             | 2507              | 20.50                        | 6.04                      | 30.74              | 12.17                      | 0.029168                        |
| 2024 | 3         | 2                 | 54109        | 0                   | 3             | 1115              | 11.84                        | 4.00                      | 43.55              | 15.47                      | 0.031817                        |
| 2024 | 3         | 2                 | 52885        | 0                   | 3             | 1864              | 19.44                        | 2.91                      | 41.29              | 15.32                      | 0.034083                        |
| 2024 | 3         | 2                 | 73152        | 0                   | 3             | 1533              | 25.17                        | 5.06                      | 37.19              | 12.49                      | 0.032993                        |
| 2024 | 3         | 2                 | 5390         | 0                   | 3             | 4628              | 12.73                        | 7.34                      | 33.10              | 10.44                      | 0.030979                        |
| 2024 | 3         | 2                 | 73449        | 0                   | 2             | 1021              | 2.92                         | 0.42                      | 44.16              | 25.04                      | 0.052980                        |
| 2024 | 3         | 2                 | 15092        | 0                   | 3             | 691               | 38.16                        | 15.24                     | 31.32              | 7.44                       | 0.014938                        |
| 2024 | 3         | 2                 | 25805        | 0                   | 3             | 1765              | 13.52                        | 3.54                      | 34.30              | 16.00                      | 0.038143                        |
| 2024 | 3         | 2                 | 8638         | 0                   | 2             | 427               | 1.89                         | 0.33                      | 49.38              | 31.21                      | 0.067782                        |
| 2024 | 3         | 2                 | 25372        | 0                   | 3             | 2834              | 8.90                         | 5.94                      | 36.41              | 15.14                      | 0.036279                        |
| 2024 | 3         | 2                 | 50568        | 0                   | 2             | 826               | 1.89                         | 0.63                      | 53.68              | 49.93                      | 0.042317                        |
| 2024 | 3         | 2                 | 68344        | 0                   | 3             | 712               | 17.66                        | 4.58                      | 39.06              | 13.39                      | 0.030763                        |
| 2024 | 3         | 2                 | 5145         | 0                   | 3             | 958               | 22.62                        | 5.41                      | 51.47              | 10.02                      | 0.044932                        |
| 2024 | 3         | 2                 | 68895        | 0                   | 3             | 1634              | 17.05                        | 3.30                      | 34.79              | 11.59                      | 0.034823                        |
| 2024 | 3         | 2                 | 76248        | 0                   | 2             | 949               | 2.74                         | 0.35                      | 51.87              | 25.52                      | 0.059070                        |
| 2024 | 3         | 2                 | 19212        | 0                   | 2             | 99                | 1.81                         | 0.31                      | 50.51              | 34.47                      | 0.015856                        |
| 2024 | 3         | 2                 | 17433        | 0                   | 2             | 227               | 1.81                         | 0.32                      | 62.22              | 26.27                      | 0.069565                        |
| 2024 | 3         | 2                 | 50001        | 5000104             | 2             | 1420              | 3.62                         | 0.89                      | 40.12              | 24.27                      | 0.059439                        |
| 2024 | 3         | 2                 | 15753        | 0                   | 2             | 246               | 1.18                         | 0.89                      | 49.83              | 37.70                      | 0.026682                        |
| 2024 | 3         | 2                 | 76001        | 7600104             | 2             | 1298              | 4.75                         | 0.36                      | 50.37              | 19.27                      | 0.069760                        |
| 2024 | 3         | 2                 | 54261        | 0                   | 2             | 207               | 0.91                         | 0.33                      | 54.65              | 40.57                      | 0.034314                        |
| 2024 | 3         | 2                 | 85001        | 0                   | 2             | 4496              | 2.75                         | 0.40                      | 45.51              | 33.50                      | 0.059555                        |
| 2024 | 3         | 2                 | 25530        | 0                   | 3             | 5121              | 13.33                        | 9.16                      | 38.14              | 12.76                      | 0.040183                        |
| 2024 | 3         | 2                 | 5088         | 0508802             | 2             | 561               | 3.21                         | 0.35                      | 47.19              | 19.90                      | 0.061033                        |
| 2024 | 3         | 2                 | 15664        | 0                   | 3             | 1267              | 16.88                        | 4.34                      | 37.12              | 13.89                      | 0.030406                        |
| 2024 | 3         | 2                 | 95025        | 0                   | 3             | 1044              | 10.08                        | 8.24                      | 39.50              | 16.59                      | 0.034738                        |
| 2024 | 3         | 2                 | 15001        | 0                   | 2             | 4020              | 3.11                         | 1.12                      | 36.31              | 26.51                      | 0.049466                        |
| 2024 | 3         | 2                 | 44430        | 0                   | 2             | 353               | 2.04                         | 0.35                      | 62.41              | 36.76                      | 0.049315                        |
| 2024 | 3         | 2                 | 5038         | 0                   | 2             | 147               | 1.20                         | 0.33                      | 63.84              | 53.81                      | 0.027464                        |
| 2024 | 3         | 2                 | 25754        | 0                   | 2             | 8681              | 3.43                         | 0.37                      | 38.20              | 25.42                      | 0.065724                        |
| 2024 | 3         | 2                 | 25754        | 2575403             | 2             | 2849              | 3.57                         | 0.36                      | 38.38              | 23.72                      | 0.068952                        |
| 2024 | 3         | 2                 | 19455        | 0                   | 2             | 485               | 1.69                         | 0.34                      | 55.47              | 30.97                      | 0.027139                        |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIM<br>ESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COM<br>UNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD<br>_DESCARGA | INDICADOR_VELOCID<br>AD_CARGA | INDICADOR_LATE<br>NCIA | INDICADOR_FLUCTU<br>ACION_FASE | INDICADOR_TASA_PERDIDA<br>_PAQU |
|------|-----------|-----------------------|--------------|-------------------------|---------------|-------------------|----------------------------------|-------------------------------|------------------------|--------------------------------|---------------------------------|
| 2024 | 3         | 2                     | 15511        | 0                       | 2             | 40                | 0.77                             | 0.68                          | 55.81                  | 63.26                          | 0.016777                        |
| 2024 | 3         | 2                     | 5001         | 0500101                 | 2             | 540               | 2.00                             | 0.33                          | 47.86                  | 28.52                          | 0.059540                        |
| 2024 | 3         | 2                     | 76001        | 7600111                 | 2             | 1066              | 3.98                             | 0.37                          | 50.25                  | 22.07                          | 0.069043                        |
| 2024 | 3         | 2                     | 19392        | 0                       | 3             | 1916              | 14.60                            | 4.47                          | 37.75                  | 15.30                          | 0.034483                        |
| 2024 | 3         | 2                     | 15425        | 0                       | 3             | 1497              | 20.59                            | 3.89                          | 35.46                  | 12.55                          | 0.035553                        |
| 2024 | 3         | 2                     | 41357        | 0                       | 3             | 1883              | 9.63                             | 6.26                          | 50.35                  | 13.99                          | 0.042384                        |
| 2024 | 3         | 2                     | 25269        | 0                       | 2             | 2113              | 2.58                             | 0.41                          | 42.31                  | 30.20                          | 0.060887                        |
| 2024 | 3         | 2                     | 25398        | 0                       | 3             | 2242              | 8.39                             | 3.19                          | 33.66                  | 14.62                          | 0.039206                        |
| 2024 | 3         | 2                     | 5809         | 0                       | 2             | 216               | 1.31                             | 0.31                          | 60.33                  | 35.26                          | 0.041159                        |
| 2024 | 3         | 2                     | 17380        | 0                       | 2             | 739               | 2.32                             | 0.32                          | 57.32                  | 29.79                          | 0.050521                        |
| 2024 | 3         | 2                     | 76364        | 0                       | 2             | 1812              | 2.78                             | 0.41                          | 51.85                  | 28.21                          | 0.059489                        |
| 2024 | 3         | 2                     | 19622        | 0                       | 3             | 2277              | 21.49                            | 3.86                          | 37.81                  | 14.78                          | 0.035989                        |
| 2024 | 3         | 2                     | 23555        | 0                       | 2             | 370               | 1.45                             | 0.35                          | 61.72                  | 38.41                          | 0.042523                        |
| 2024 | 3         | 2                     | 5790         | 0                       | 2             | 175               | 1.99                             | 0.32                          | 57.40                  | 37.46                          | 0.058438                        |
| 2024 | 3         | 2                     | 52036        | 0                       | 3             | 851               | 24.63                            | 11.09                         | 45.72                  | 17.02                          | 0.024809                        |
| 2024 | 3         | 2                     | 47720        | 0                       | 3             | 808               | 10.47                            | 7.16                          | 37.01                  | 12.66                          | 0.025593                        |
| 2024 | 3         | 2                     | 20175        | 0                       | 2             | 214               | 1.84                             | 0.27                          | 52.89                  | 47.04                          | 0.047788                        |
| 2024 | 3         | 2                     | 5315         | 0                       | 2             | 175               | 1.74                             | 1.11                          | 47.43                  | 26.28                          | 0.073845                        |
| 2024 | 3         | 2                     | 68176        | 0                       | 2             | 24                | 1.19                             | 0.60                          | 52.65                  | 44.85                          | 0.030044                        |
| 2024 | 3         | 2                     | 50450        | 0                       | 3             | 1514              | 9.48                             | 4.57                          | 38.50                  | 18.08                          | 0.038325                        |
| 2024 | 3         | 2                     | 76563        | 0                       | 2             | 311               | 2.18                             | 0.35                          | 53.01                  | 29.42                          | 0.043656                        |
| 2024 | 3         | 2                     | 5380         | 0                       | 2             | 931               | 2.30                             | 0.34                          | 51.98                  | 34.55                          | 0.070940                        |
| 2024 | 3         | 2                     | 18592        | 0                       | 3             | 4654              | 10.43                            | 8.37                          | 41.59                  | 14.40                          | 0.025714                        |
| 2024 | 3         | 2                     | 17042        | 0                       | 2             | 325               | 1.89                             | 0.38                          | 54.99                  | 31.44                          | 0.067339                        |
| 2024 | 3         | 2                     | 76001        | 7600109                 | 2             | 1043              | 4.11                             | 0.36                          | 50.34                  | 20.57                          | 0.076239                        |
| 2024 | 3         | 2                     | 41026        | 0                       | 3             | 2907              | 19.80                            | 5.93                          | 42.51                  | 13.36                          | 0.043784                        |
| 2024 | 3         | 2                     | 13810        | 0                       | 2             | 15                | 1.73                             | 0.23                          | 73.72                  | 69.31                          | 0.029480                        |
| 2024 | 3         | 2                     | 44847        | 0                       | 2             | 266               | 1.70                             | 0.69                          | 59.65                  | 43.53                          | 0.056414                        |
| 2024 | 3         | 2                     | 15368        | 0                       | 3             | 706               | 19.96                            | 8.98                          | 36.55                  | 10.09                          | 0.025447                        |
| 2024 | 3         | 2                     | 15097        | 0                       | 3             | 1888              | 22.65                            | 6.86                          | 38.71                  | 11.21                          | 0.022757                        |
| 2024 | 3         | 2                     | 76111        | 0                       | 2             | 1008              | 3.79                             | 0.32                          | 51.15                  | 29.18                          | 0.047576                        |
| 2024 | 3         | 2                     | 25658        | 0                       | 2             | 334               | 1.60                             | 0.84                          | 38.72                  | 39.74                          | 0.047111                        |
| 2024 | 3         | 2                     | 50400        | 0                       | 2             | 132               | 1.40                             | 0.67                          | 53.88                  | 45.69                          | 0.023074                        |
| 2024 | 3         | 2                     | 25797        | 0                       | 2             | 153               | 1.83                             | 0.74                          | 48.61                  | 38.52                          | 0.055940                        |
| 2024 | 3         | 2                     | 19585        | 0                       | 3             | 1665              | 18.95                            | 6.78                          | 44.01                  | 11.89                          | 0.027940                        |
| 2024 | 3         | 2                     | 25099        | 0                       | 2             | 217               | 2.17                             | 0.30                          | 46.59                  | 49.71                          | 0.049877                        |
| 2024 | 3         | 2                     | 54344        | 0                       | 3             | 1015              | 5.82                             | 6.33                          | 42.81                  | 13.27                          | 0.035957                        |
| 2024 | 3         | 2                     | 5001         | 0500108                 | 2             | 805               | 2.56                             | 0.35                          | 46.78                  | 28.10                          | 0.048426                        |
| 2024 | 3         | 2                     | 5036         | 0                       | 3             | 1098              | 11.62                            | 6.95                          | 35.44                  | 11.05                          | 0.035052                        |
| 2024 | 3         | 2                     | 25488        | 0                       | 2             | 798               | 2.89                             | 0.79                          | 40.60                  | 27.75                          | 0.042443                        |
| 2024 | 3         | 2                     | 50251        | 0                       | 2             | 98                | 1.09                             | 0.86                          | 54.02                  | 37.48                          | 0.033075                        |
| 2024 | 3         | 2                     | 25799        | 0                       | 2             | 751               | 2.15                             | 0.33                          | 41.89                  | 28.85                          | 0.070140                        |
| 2024 | 3         | 2                     | 86001        | 0                       | 2             | 485               | 2.07                             | 0.36                          | 56.15                  | 42.72                          | 0.053129                        |
| 2024 | 3         | 2                     | 23001        | 2300105                 | 2             | 695               | 3.76                             | 0.40                          | 53.61                  | 20.81                          | 0.069297                        |
| 2024 | 3         | 2                     | 50606        | 0                       | 2             | 624               | 1.86                             | 0.71                          | 49.29                  | 35.28                          | 0.062446                        |
| 2024 | 3         | 2                     | 5368         | 0                       | 2             | 222               | 1.30                             | 0.32                          | 58.08                  | 36.99                          | 0.038035                        |
| 2024 | 3         | 2                     | 25599        | 0                       | 2             | 249               | 2.99                             | 0.88                          | 44.45                  | 26.17                          | 0.036434                        |
| 2024 | 3         | 2                     | 15814        | 0                       | 3             | 2421              | 19.15                            | 10.34                         | 54.34                  | 14.95                          | 0.025219                        |
| 2024 | 3         | 2                     | 5209         | 0                       | 3             | 2869              | 12.59                            | 5.20                          | 34.40                  | 11.47                          | 0.031371                        |
| 2024 | 3         | 2                     | 68720        | 0                       | 3             | 501               | 6.99                             | 9.11                          | 46.19                  | 11.86                          | 0.049430                        |
| 2024 | 3         | 2                     | 19450        | 0                       | 3             | 1695              | 23.84                            | 5.21                          | 41.40                  | 15.80                          | 0.033176                        |
| 2024 | 3         | 2                     | 66594        | 0                       | 2             | 274               | 1.45                             | 0.36                          | 62.25                  | 28.30                          | 0.056809                        |
| 2024 | 3         | 2                     | 8675         | 0                       | 3             | 2156              | 17.77                            | 9.86                          | 52.44                  | 14.47                          | 0.034610                        |
| 2024 | 3         | 2                     | 68669        | 0                       | 3             | 788               | 25.13                            | 4.68                          | 39.32                  | 12.69                          | 0.031299                        |
| 2024 | 3         | 2                     | 44090        | 0                       | 2             | 202               | 1.49                             | 0.26                          | 65.14                  | 46.77                          | 0.039883                        |
| 2024 | 3         | 2                     | 50006        | 0                       | 2             | 1115              | 3.94                             | 0.79                          | 43.42                  | 33.23                          | 0.066470                        |
| 2024 | 3         | 2                     | 52490        | 0                       | 3             | 1450              | 10.48                            | 4.90                          | 44.29                  | 13.44                          | 0.027360                        |
| 2024 | 3         | 2                     | 25817        | 0                       | 2             | 1252              | 2.83                             | 0.36                          | 41.83                  | 29.86                          | 0.055458                        |
| 2024 | 3         | 2                     | 76001        | 7600110                 | 2             | 1355              | 4.86                             | 0.37                          | 50.43                  | 19.71                          | 0.072629                        |
| 2024 | 3         | 2                     | 54223        | 0                       | 3             | 1164              | 17.77                            | 5.88                          | 38.71                  | 11.11                          | 0.024392                        |
| 2024 | 3         | 2                     | 50001        | 5000105                 | 2             | 2278              | 3.93                             | 1.09                          | 37.53                  | 27.89                          | 0.046523                        |
| 2024 | 3         | 2                     | 15236        | 0                       | 3             | 456               | 46.27                            | 8.13                          | 36.27                  | 11.17                          | 0.029801                        |
| 2024 | 3         | 2                     | 52356        | 0                       | 2             | 804               | 3.37                             | 0.35                          | 54.81                  | 29.28                          | 0.059841                        |
| 2024 | 3         | 2                     | 25126        | 0                       | 2             | 2019              | 2.90                             | 0.38                          | 39.82                  | 27.43                          | 0.075161                        |
| 2024 | 3         | 2                     | 5264         | 0                       | 2             | 160               | 1.09                             | 0.28                          | 54.02                  | 42.90                          | 0.030856                        |
| 2024 | 3         | 2                     | 76130        | 0                       | 2             | 1242              | 1.89                             | 0.38                          | 54.75                  | 35.24                          | 0.044117                        |
| 2024 | 3         | 2                     | 50001        | 5000106                 | 2             | 1282              | 4.57                             | 1.14                          | 36.79                  | 26.06                          | 0.046309                        |
| 2024 | 3         | 2                     | 19698        | 0                       | 2             | 898               | 1.94                             | 0.33                          | 54.68                  | 32.96                          | 0.055943                        |
| 2024 | 3         | 2                     | 68745        | 0                       | 2             | 1899              | 15.84                            | 6.10                          | 40.73                  | 16.39                          | 0.033213                        |
| 2024 | 3         | 2                     | 11001        | 1100117                 | 2             | 1301              | 4.86                             | 0.38                          | 34.94                  | 19.98                          | 0.058171                        |
| 2024 | 3         | 2                     | 18247        | 0                       | 3             | 3328              | 12.40                            | 9.94                          | 42.95                  | 11.70                          | 0.026954                        |
| 2024 | 3         | 2                     | 76001        | 7600112                 | 2             | 785               | 2.69                             | 0.33                          | 51.19                  | 31.48                          | 0.051743                        |
| 2024 | 3         | 2                     | 5652         | 0                       | 3             | 1690              | 10.81                            | 3.59                          | 49.22                  | 13.04                          | 0.032411                        |
| 2024 | 3         | 2                     | 19450        | 0                       | 2             | 98                | 2.77                             | 0.28                          | 54.44                  | 27.51                          | 0.052445                        |
| 2024 | 3         | 2                     | 23417        | 0                       | 2             | 714               | 1.30                             | 0.33                          | 55.95                  | 40.22                          | 0.037059                        |
| 2024 | 3         | 2                     | 41530        | 0                       | 3             | 1511              | 10.00                            | 3.14                          | 43.76                  | 16.24                          | 0.038903                        |
| 2024 | 3         | 2                     | 15476        | 0                       | 3             | 1957              | 14.17                            | 5.16                          | 34.92                  | 12.98                          | 0.031119                        |
| 2024 | 3         | 2                     | 15810        | 0                       | 3             | 1179              | 12.62                            | 5.89                          | 40.03                  | 12.03                          | 0.027675                        |
| 2024 | 3         | 2                     | 19473        | 0                       | 3             | 1717              | 2.01                             | 3.36                          | 38.32                  | 15.53                          | 0.119038                        |
| 2024 | 3         | 2                     | 5001         | 0500113                 | 2             | 975               | 2.35                             | 0.34                          | 44.18                  | 27.24                          | 0.062177                        |
| 2024 | 3         | 2                     | 15223        | 0                       | 3             | 1371              | 2.54                             | 5.18                          | 43.54                  | 11.04                          | 0.059177                        |
| 2024 | 3         | 2                     | 25513        | 0                       | 2             | 484               | 1.34                             | 0.80                          | 40.60                  | 41.99                          | 0.039287                        |
| 2024 | 3         | 2                     | 15236        | 0                       | 2             | 60                | 2.61                             | 1.11                          | 45.88                  | 17.85                          | 0.135404                        |
| 2024 | 3         | 2                     | 15176        | 0                       | 2             | 727               | 2.16                             | 1.11                          | 40.69                  | 28.65                          | 0.059813                        |
| 2024 | 3         | 2                     | 23001        | 2300104                 | 2             | 582               | 2.30                             | 0.36                          | 55.62                  | 29.35                          | 0.076900                        |
| 2024 | 3         | 2                     | 19760        | 0                       | 3             | 1386              | 13.12                            | 4.78                          | 44.85                  | 15.67                          | 0.041185                        |
| 2024 | 3         | 2                     | 18150        | 0                       | 2             | 192               | 2.58                             | 0.33                          | 57.75                  | 31.61                          | 0.038787                        |
| 2024 | 3         | 2                     | 15322        | 0                       | 2             | 160               | 1.14                             | 0.84                          | 47.93                  | 39.13                          | 0.056354                        |
| 2024 | 3         | 2                     | 5088         | 0508803                 | 2             | 527               | 3.30                             | 0.51                          | 44.92                  | 27.77                          | 0.048217                        |
| 2024 | 3         | 2                     | 25754        | 2575401                 | 2             | 1693              | 3.12                             | 0.41                          | 37.87                  | 25.25                          | 0.062906                        |
| 2024 | 3         | 2                     | 68547        | 0                       | 2             | 1226              | 1.93                             | 0.32                          | 47.51                  | 31.78                          | 0.066773                        |
| 2024 | 3         | 2                     | 54245        | 0                       | 3             | 741               | 2.61                             | 2.08                          | 54.11                  | 17.89                          | 0.068497                        |
| 2024 | 3         | 2                     | 68820        | 0                       | 3             | 1846              | 9.22                             | 5.31                          | 42.75                  | 14.29                          | 0.026333                        |
| 2024 | 3         | 2                     | 41244        | 0                       | 3             | 755               | 16.11                            | 3.32                          | 43.01                  | 14.58                          | 0.045063                        |
| 2024 | 3         | 2                     | 41378        | 0                       | 3             | 1989              | 4.87                             | 6.22                          | 53.30                  | 15.18                          | 0.031855                        |
| 2024 | 3         | 2                     | 54398        | 0                       | 3             | 927               | 3.38                             | 2.93                          | 65.28                  | 18.03                          | 0.069603                        |
| 2024 | 3         | 2                     | 13188        | 0                       | 3             | 768               | 5.01                             | 3.31                          | 47.84                  | 18.69                          | 0.079106                        |
| 2024 | 3         | 2                     | 15109        | 0                       | 3             | 1596              | 13.01                            | 10.24                         | 33.06                  | 10.01                          | 0.031080                        |
| 2024 | 3         | 2                     | 5480         | 0                       | 3             | 3789              | 2.79                             | 3.57                          | 61.86                  | 15.49                          | 0.092504                        |
| 2024 | 3         | 2                     | 54001        | 5400107                 | 2             | 536               | 2.46                             | 0.36                          | 46.61                  | 30.56                          | 0.048266                        |
| 2024 | 3         | 2                     | 73148        | 0                       | 2             | 528               | 2.28                             | 0.34                          | 47.07                  | 28.45                          | 0.057851                        |
| 2024 | 3         | 2                     | 5093         | 0                       | 3             | 1420              | 6.16                             | 5.65                          | 32.09                  | 10.31                          | 0.046034                        |
| 2024 | 3         | 2                     | 5440         | 0                       | 2             | 384               | 1.36                             | 0.31                          | 54.53                  | 34.14                          | 0.065835                        |
| 2024 | 3         | 2                     | 5890         | 0                       | 2             | 168               | 1.03                             | 0.29                          | 54.14                  | 36.97                          | 0.023760                        |





INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIM<br>ESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COM<br>UNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD<br>_DESCARGA | INDICADOR_VELOCIDAD<br>AD_CARGA | INDICADOR_LATEN<br>CIA | INDICADOR_FLUCTU<br>ACION_FASE | INDICADOR_TASA_PERDIDA<br>_PAQU |
|------|-----------|-----------------------|--------------|-------------------------|---------------|-------------------|----------------------------------|---------------------------------|------------------------|--------------------------------|---------------------------------|
| 2024 | 3         | 2                     | 68079        | 0                       | 3             | 1901              | 15.07                            | 3.62                            | 39.75                  | 14.51                          | 0.037750                        |
| 2024 | 3         | 2                     | 68498        | 0                       | 3             | 467               | 23.02                            | 6.39                            | 37.46                  | 11.56                          | 0.025490                        |
| 2024 | 3         | 2                     | 85440        | 0                       | 2             | 530               | 1.54                             | 0.67                            | 50.20                  | 33.69                          | 0.047198                        |
| 2024 | 3         | 2                     | 23419        | 0                       | 3             | 2064              | 9.08                             | 7.09                            | 57.52                  | 15.58                          | 0.038890                        |
| 2024 | 3         | 2                     | 19548        | 0                       | 2             | 105               | 1.06                             | 0.34                            | 59.33                  | 40.95                          | 0.040384                        |
| 2024 | 3         | 2                     | 85250        | 0                       | 2             | 395               | 1.11                             | 0.36                            | 54.19                  | 42.69                          | 0.038536                        |
| 2024 | 3         | 2                     | 15531        | 0                       | 3             | 2526              | 14.78                            | 4.01                            | 37.85                  | 13.57                          | 0.028262                        |
| 2024 | 3         | 2                     | 50001        | 5000102                 | 2             | 1605              | 4.67                             | 1.10                            | 35.54                  | 23.11                          | 0.050827                        |
| 2024 | 3         | 2                     | 8832         | 0                       | 2             | 89                | 2.34                             | 0.42                            | 48.75                  | 45.59                          | 0.052490                        |
| 2024 | 3         | 2                     | 50001        | 5000107                 | 2             | 1967              | 4.00                             | 1.17                            | 37.31                  | 27.32                          | 0.045338                        |
| 2024 | 3         | 2                     | 52786        | 0                       | 2             | 174               | 1.46                             | 0.36                            | 56.21                  | 34.82                          | 0.056344                        |
| 2024 | 3         | 2                     | 25871        | 0                       | 3             | 737               | 25.79                            | 5.47                            | 33.65                  | 11.79                          | 0.034044                        |
| 2024 | 3         | 2                     | 15299        | 0                       | 2             | 387               | 1.06                             | 0.95                            | 49.17                  | 35.92                          | 0.028042                        |
| 2024 | 3         | 2                     | 54128        | 0                       | 2             | 61                | 0.65                             | 0.44                            | 58.40                  | 43.72                          | 0.025022                        |
| 2024 | 3         | 2                     | 25843        | 0                       | 2             | 820               | 1.33                             | 0.96                            | 38.14                  | 34.36                          | 0.034256                        |
| 2024 | 3         | 2                     | 68020        | 0                       | 3             | 607               | 6.61                             | 2.14                            | 37.86                  | 16.07                          | 0.030449                        |
| 2024 | 3         | 2                     | 25322        | 0                       | 2             | 402               | 1.68                             | 0.69                            | 41.21                  | 34.79                          | 0.040240                        |
| 2024 | 3         | 2                     | 25875        | 0                       | 2             | 835               | 1.48                             | 1.05                            | 37.65                  | 37.90                          | 0.047212                        |
| 2024 | 3         | 2                     | 23162        | 0                       | 2             | 857               | 2.07                             | 0.35                            | 54.77                  | 29.46                          | 0.055996                        |
| 2024 | 3         | 2                     | 73861        | 0                       | 2             | 131               | 2.71                             | 0.35                            | 41.53                  | 30.39                          | 0.069534                        |
| 2024 | 3         | 2                     | 47001        | 4700103                 | 2             | 1255              | 3.89                             | 0.36                            | 46.94                  | 20.29                          | 0.066042                        |
| 2024 | 3         | 2                     | 15466        | 0                       | 3             | 2017              | 16.11                            | 9.90                            | 38.74                  | 10.52                          | 0.021913                        |
| 2024 | 3         | 2                     | 70233        | 0                       | 2             | 65                | 1.24                             | 0.37                            | 66.52                  | 46.31                          | 0.033904                        |
| 2024 | 3         | 2                     | 25297        | 0                       | 2             | 216               | 1.01                             | 0.86                            | 55.63                  | 27.73                          | 0.042674                        |
| 2024 | 3         | 2                     | 54673        | 0                       | 2             | 263               | 1.45                             | 0.45                            | 50.13                  | 38.73                          | 0.032867                        |
| 2024 | 3         | 2                     | 5837         | 0                       | 2             | 907               | 0.82                             | 0.29                            | 65.36                  | 42.77                          | 0.047426                        |
| 2024 | 3         | 2                     | 25290        | 0                       | 2             | 2765              | 2.97                             | 1.07                            | 38.30                  | 29.06                          | 0.053752                        |
| 2024 | 3         | 2                     | 41668        | 0                       | 2             | 179               | 0.96                             | 0.29                            | 62.98                  | 52.22                          | 0.060639                        |
| 2024 | 3         | 2                     | 73001        | 7300108                 | 2             | 892               | 2.64                             | 0.35                            | 41.88                  | 27.94                          | 0.070202                        |
| 2024 | 3         | 2                     | 25572        | 0                       | 2             | 341               | 2.19                             | 0.36                            | 59.92                  | 46.04                          | 0.063685                        |
| 2024 | 3         | 2                     | 86749        | 0                       | 2             | 298               | 0.88                             | 0.36                            | 62.15                  | 43.89                          | 0.033204                        |
| 2024 | 3         | 2                     | 15897        | 0                       | 3             | 1620              | 27.06                            | 8.99                            | 34.41                  | 11.09                          | 0.021658                        |
| 2024 | 3         | 2                     | 23182        | 0                       | 2             | 327               | 1.13                             | 0.32                            | 59.53                  | 44.88                          | 0.039849                        |
| 2024 | 3         | 2                     | 5858         | 0                       | 2             | 83                | 1.23                             | 0.38                            | 69.09                  | 48.02                          | 0.071540                        |
| 2024 | 3         | 2                     | 15469        | 0                       | 2             | 305               | 1.49                             | 0.88                            | 49.64                  | 46.06                          | 0.044806                        |
| 2024 | 3         | 2                     | 23001        | 2300103                 | 2             | 462               | 2.87                             | 0.38                            | 54.57                  | 25.37                          | 0.059802                        |
| 2024 | 3         | 2                     | 63130        | 0                       | 2             | 763               | 2.27                             | 0.34                            | 57.82                  | 26.42                          | 0.054425                        |
| 2024 | 3         | 2                     | 85400        | 0                       | 3             | 837               | 21.00                            | 10.34                           | 42.07                  | 12.47                          | 0.027852                        |
| 2024 | 3         | 2                     | 70823        | 0                       | 2             | 200               | 1.77                             | 0.37                            | 56.19                  | 38.62                          | 0.051450                        |
| 2024 | 3         | 2                     | 54001        | 5400110                 | 2             | 297               | 2.27                             | 0.45                            | 45.62                  | 37.35                          | 0.032703                        |
| 2024 | 3         | 2                     | 20295        | 0                       | 2             | 45                | 1.62                             | 0.27                            | 66                     | 40.28                          | 0.040105                        |
| 2024 | 3         | 2                     | 73283        | 0                       | 2             | 184               | 1.50                             | 0.56                            | 48.31                  | 33.03                          | 0.043034                        |
| 2024 | 3         | 2                     | 8758         | 0875801                 | 2             | 847               | 3.35                             | 0.35                            | 45.02                  | 25.29                          | 0.059635                        |
| 2024 | 3         | 2                     | 50001        | 5000108                 | 2             | 1360              | 3.23                             | 1.02                            | 37.52                  | 24.45                          | 0.051749                        |
| 2024 | 3         | 2                     | 25754        | 2575402                 | 2             | 1369              | 2.75                             | 0.35                            | 40.45                  | 30.23                          | 0.056842                        |
| 2024 | 3         | 2                     | 5631         | 0                       | 2             | 1945              | 3.71                             | 0.36                            | 48.42                  | 24.88                          | 0.081704                        |
| 2024 | 3         | 2                     | 68001        | 6800104                 | 2             | 238               | 3.63                             | 0.32                            | 45.65                  | 23.23                          | 0.063442                        |
| 2024 | 3         | 2                     | 25793        | 0                       | 2             | 142               | 1.00                             | 0.93                            | 50.80                  | 34.97                          | 0.018988                        |
| 2024 | 3         | 2                     | 15764        | 0                       | 2             | 150               | 3.14                             | 1.00                            | 41.53                  | 28.88                          | 0.026082                        |
| 2024 | 3         | 2                     | 5400         | 0                       | 2             | 212               | 0.97                             | 0.31                            | 65.59                  | 45.36                          | 0.042663                        |
| 2024 | 3         | 2                     | 68101        | 0                       | 3             | 1192              | 22.97                            | 6.01                            | 42.11                  | 14.87                          | 0.030376                        |
| 2024 | 3         | 2                     | 11001        | -1                      | 2             | 112               | 0.81                             | 0.50                            | 59.01                  | 53.36                          | 0.019941                        |
| 2024 | 3         | 2                     | 18460        | 0                       | 3             | 1536              | 6.31                             | 7.12                            | 48.84                  | 12.74                          | 0.070869                        |
| 2024 | 3         | 2                     | 76113        | 0                       | 2             | 506               | 2.15                             | 0.33                            | 51.92                  | 31.49                          | 0.031415                        |
| 2024 | 3         | 2                     | 27430        | 0                       | 3             | 916               | 17.59                            | 5.81                            | 41.22                  | 11.16                          | 0.028740                        |
| 2024 | 3         | 2                     | 27450        | 0                       | 3             | 587               | 24.64                            | 6.21                            | 41.26                  | 12.11                          | 0.025566                        |
| 2024 | 3         | 2                     | 18610        | 0                       | 2             | 44                | 1.31                             | 0.35                            | 80.74                  | 45.42                          | 0.040854                        |
| 2024 | 3         | 2                     | 85162        | 0                       | 2             | 397               | 1.90                             | 0.57                            | 51.49                  | 37.16                          | 0.055818                        |
| 2024 | 3         | 2                     | 5893         | 0                       | 2             | 101               | 1.28                             | 0.34                            | 73.64                  | 57.85                          | 0.031852                        |
| 2024 | 3         | 2                     | 52287        | 0                       | 3             | 1675              | 23.18                            | 6.32                            | 39.35                  | 12.01                          | 0.022874                        |
| 2024 | 3         | 2                     | 73001        | 7300106                 | 2             | 400               | 3.66                             | 0.35                            | 40.03                  | 25.43                          | 0.069828                        |
| 2024 | 3         | 2                     | 85300        | 0                       | 3             | 1179              | 14.09                            | 2.49                            | 40.41                  | 14.51                          | 0.043203                        |
| 2024 | 3         | 2                     | 19573        | 0                       | 2             | 357               | 2.04                             | 0.38                            | 53.01                  | 35.05                          | 0.033719                        |
| 2024 | 3         | 2                     | 68001        | -1                      | 2             | 359               | 3.97                             | 0.36                            | 45.89                  | 25.95                          | 0.062615                        |
| 2024 | 3         | 2                     | 73624        | 0                       | 2             | 68                | 0.95                             | 0.27                            | 49.33                  | 31.43                          | 0.046573                        |
| 2024 | 3         | 2                     | 99773        | 0                       | 3             | 308               | 0.46                             | 0.23                            | 690.40                 | 51.26                          | 0.037775                        |
| 2024 | 3         | 2                     | 5697         | 0                       | 2             | 170               | 0.92                             | 0.32                            | 56.97                  | 39.31                          | 0.050324                        |
| 2024 | 3         | 2                     | 41483        | 0                       | 2             | 146               | 1.02                             | 0.93                            | 46.94                  | 38.00                          | 0.013582                        |
| 2024 | 3         | 2                     | 8078         | 0                       | 2             | 359               | 1.20                             | 0.33                            | 51.40                  | 37.97                          | 0.056238                        |
| 2024 | 3         | 2                     | 13650        | 0                       | 3             | 1066              | 15.95                            | 4.27                            | 49.66                  | 17.80                          | 0.033259                        |
| 2024 | 3         | 2                     | 25491        | 0                       | 2             | 140               | 1.20                             | 0.80                            | 46.27                  | 37.88                          | 0.054694                        |
| 2024 | 3         | 2                     | 68001        | 6800112                 | 2             | 891               | 4.95                             | 0.39                            | 45.63                  | 27.39                          | 0.061316                        |
| 2024 | 3         | 2                     | 52110        | 0                       | 2             | 187               | 1.42                             | 0.21                            | 60.77                  | 51.67                          | 0.057075                        |
| 2024 | 3         | 2                     | 15572        | 0                       | 2             | 678               | 2.03                             | 0.72                            | 47.52                  | 39.07                          | 0.048528                        |
| 2024 | 3         | 2                     | 47692        | 0                       | 2             | 118               | 0.86                             | 0.35                            | 64.84                  | 45.73                          | 0.048887                        |
| 2024 | 3         | 2                     | 15380        | 0                       | 2             | 92                | 1.74                             | 0.80                            | 47.27                  | 33.97                          | 0.024585                        |
| 2024 | 3         | 2                     | 76001        | 7600113                 | 2             | 925               | 2.70                             | 0.36                            | 51.11                  | 31.05                          | 0.060294                        |
| 2024 | 3         | 2                     | 25743        | 0                       | 2             | 398               | 1.66                             | 0.93                            | 41.08                  | 43.12                          | 0.046365                        |
| 2024 | 3         | 2                     | 73585        | 0                       | 2             | 219               | 2.28                             | 0.33                            | 46.69                  | 36.03                          | 0.064286                        |
| 2024 | 3         | 2                     | 15720        | 0                       | 3             | 822               | 26.24                            | 5.95                            | 39.25                  | 13.21                          | 0.027348                        |
| 2024 | 3         | 2                     | 5861         | 0                       | 2             | 266               | 1.51                             | 0.36                            | 57.20                  | 30.77                          | 0.034222                        |
| 2024 | 3         | 2                     | 50001        | 5000101                 | 2             | 735               | 4.84                             | 1.11                            | 37.38                  | 19.80                          | 0.072088                        |
| 2024 | 3         | 2                     | 70235        | 0                       | 2             | 78                | 2.71                             | 0.32                            | 56.16                  | 22.50                          | 0.052967                        |
| 2024 | 3         | 2                     | 52051        | 0                       | 3             | 1313              | 15.54                            | 5.08                            | 41.18                  | 14.33                          | 0.032913                        |
| 2024 | 3         | 2                     | 54874        | 0                       | 2             | 695               | 1.96                             | 0.39                            | 45.16                  | 29.59                          | 0.057453                        |
| 2024 | 3         | 2                     | 52696        | 0                       | 2             | 15                | 1.31                             | 0.24                            | 69.22                  | 42.03                          | 0.035493                        |
| 2024 | 3         | 2                     | 15522        | 0                       | 3             | 559               | 27.33                            | 8.81                            | 37.98                  | 10.59                          | 0.021628                        |
| 2024 | 3         | 2                     | 86320        | 0                       | 2             | 256               | 2.20                             | 0.35                            | 57.06                  | 27.47                          | 0.069377                        |
| 2024 | 3         | 2                     | 73001        | 7300102                 | 2             | 242               | 3.02                             | 0.37                            | 40.84                  | 27.08                          | 0.072553                        |
| 2024 | 3         | 2                     | 68773        | 0                       | 3             | 1106              | 10.72                            | 5.24                            | 40.59                  | 12.53                          | 0.033594                        |
| 2024 | 3         | 2                     | 15097        | 0                       | 2             | 71                | 0.94                             | 0.87                            | 49.71                  | 26.96                          | 0.037886                        |
| 2024 | 3         | 2                     | 68152        | 0                       | 3             | 959               | 42.09                            | 10.58                           | 32.70                  | 9.92                           | 0.021757                        |
| 2024 | 3         | 2                     | 15087        | 0                       | 2             | 111               | 0.94                             | 0.69                            | 50.67                  | 58.45                          | 0.036426                        |
| 2024 | 3         | 2                     | 15380        | 0                       | 3             | 1238              | 16.00                            | 5.24                            | 42.15                  | 13.53                          | 0.038141                        |
| 2024 | 3         | 2                     | 50226        | 0                       | 2             | 374               | 2.10                             | 0.82                            | 46.68                  | 36.36                          | 0.044426                        |
| 2024 | 3         | 2                     | 15232        | 0                       | 3             | 648               | 30.30                            | 9.98                            | 36.70                  | 12.22                          | 0.026160                        |
| 2024 | 3         | 2                     | 17665        | 0                       | 3             | 1998              | 6.89                             | 4.80                            | 44.83                  | 13.56                          | 0.035805                        |
| 2024 | 3         | 2                     | 25645        | 0                       | 2             | 383               | 1.92                             | 0.75                            | 45.93                  | 38.48                          | 0.044321                        |
| 2024 | 3         | 2                     | 52207        | 0                       | 2             | 83                | 1.00                             | 0.28                            | 57.26                  | 41.57                          | 0.040016                        |
| 2024 | 3         | 2                     | 27050        | 0                       | 2             | 67                | 1.64                             | 0.83                            | 55.08                  | 22.31                          | 0.072717                        |
| 2024 | 3         | 2                     | 68418        | 0                       | 3             | 3526              | 13.09                            | 5.09                            | 40.53                  | 14.14                          | 0.030984                        |
| 2024 | 3         | 2                     | 5001         | 0500102                 | 2             | 469               | 2.12                             | 0.34                            | 47.39                  | 30.08                          | 0.067228                        |
| 2024 | 3         | 2                     | 8001         | 0800101                 | 2             | 1753              | 4.13                             | 0.36                            | 42.64                  | 24.04                          | 0.075858                        |
| 2024 | 3         | 2                     | 15507        | 0                       | 3             | 2130              | 12.63                            | 11.47                           | 40.88                  | 12.40                          | 0.038348                        |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIM<br>ESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COM<br>UNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD<br>_DESCARGA | INDICADOR_VELOCIDAD<br>AD_CARGA | INDICADOR_LATE<br>NCIA | INDICADOR_FLUCTU<br>ACION_FASE | INDICADOR_TASA_PERDIDA<br>_PAQU |
|------|-----------|-----------------------|--------------|-------------------------|---------------|-------------------|----------------------------------|---------------------------------|------------------------|--------------------------------|---------------------------------|
| 2024 | 3         | 2                     | 47205        | 0                       | 3             | 909               | 22.35                            | 8.98                            | 33.44                  | 11.95                          | 0.046322                        |
| 2024 | 3         | 2                     | 13468        | 0                       | 2             | 196               | 1.04                             | 0.33                            | 57.64                  | 45.79                          | 0.034967                        |
| 2024 | 3         | 2                     | 25200        | 0                       | 2             | 380               | 1.46                             | 0.34                            | 44.31                  | 35.95                          | 0.040990                        |
| 2024 | 3         | 2                     | 23574        | 0                       | 3             | 1479              | 5.68                             | 5.28                            | 71.34                  | 19.89                          | 0.038740                        |
| 2024 | 3         | 2                     | 52240        | 0                       | 2             | 323               | 1.75                             | 0.34                            | 56.18                  | 33.32                          | 0.034599                        |
| 2024 | 3         | 2                     | 19824        | 0                       | 2             | 53                | 2.69                             | 0.58                            | 54.48                  | 21.55                          | 0.057526                        |
| 2024 | 3         | 2                     | 19693        | 0                       | 3             | 653               | 14.43                            | 4.78                            | 47.70                  | 23.10                          | 0.034791                        |
| 2024 | 3         | 2                     | 23001        | 2300107                 | 2             | 412               | 4.47                             | 0.39                            | 52.24                  | 17.24                          | 0.053724                        |
| 2024 | 3         | 2                     | 47001        | 4700102                 | 2             | 1356              | 2.79                             | 0.35                            | 47.18                  | 23.75                          | 0.065085                        |
| 2024 | 3         | 2                     | 47960        | 0                       | 3             | 485               | 27.05                            | 12.51                           | 45.09                  | 11.01                          | 0.042114                        |
| 2024 | 3         | 2                     | 68271        | 0                       | 2             | 58                | 1.29                             | 0.69                            | 59.35                  | 34.19                          | 0.036796                        |
| 2024 | 3         | 2                     | 68211        | 0                       | 3             | 1132              | 43.28                            | 9.22                            | 37.90                  | 10.03                          | 0.021128                        |
| 2024 | 3         | 2                     | 25386        | 0                       | 2             | 814               | 2.12                             | 0.83                            | 42.91                  | 38.92                          | 0.043875                        |
| 2024 | 3         | 2                     | 15759        | 0                       | 2             | 2185              | 2.05                             | 1.03                            | 45.66                  | 30.10                          | 0.046272                        |
| 2024 | 3         | 2                     | 68217        | 0                       | 3             | 674               | 25.43                            | 6.62                            | 39.55                  | 12.55                          | 0.029321                        |
| 2024 | 3         | 2                     | 54109        | 0                       | 2             | 95                | 1.46                             | 0.31                            | 62.86                  | 48.99                          | 0.021292                        |
| 2024 | 3         | 2                     | 15162        | 0                       | 3             | 1989              | 19.80                            | 10.25                           | 32.53                  | 7.97                           | 0.021575                        |
| 2024 | 3         | 2                     | 5604         | 0                       | 2             | 58                | 1.13                             | 0.27                            | 59.75                  | 67.88                          | 0.070037                        |
| 2024 | 3         | 2                     | 68682        | 0                       | 3             | 448               | 17.91                            | 4.60                            | 35.88                  | 10.29                          | 0.021560                        |
| 2024 | 3         | 2                     | 76001        | 7600106                 | 2             | 929               | 3.28                             | 0.33                            | 51.56                  | 26.35                          | 0.048983                        |
| 2024 | 3         | 2                     | 27580        | 0                       | 3             | 618               | 24.25                            | 13.73                           | 45.05                  | 12.03                          | 0.018775                        |
| 2024 | 3         | 2                     | 15681        | 0                       | 3             | 2002              | 15.58                            | 5.43                            | 39.68                  | 12.89                          | 0.065682                        |
| 2024 | 3         | 2                     | 76054        | 0                       | 3             | 725               | 14.61                            | 8.01                            | 44.81                  | 12.03                          | 0.020725                        |
| 2024 | 3         | 2                     | 47798        | 0                       | 3             | 957               | 35.47                            | 10.99                           | 42.27                  | 10.88                          | 0.024209                        |
| 2024 | 3         | 2                     | 20001        | 2000102                 | 2             | 780               | 3.75                             | 0.34                            | 54.07                  | 22.87                          | 0.067134                        |
| 2024 | 3         | 2                     | 54720        | 0                       | 2             | 504               | 1.27                             | 0.43                            | 60.81                  | 41.77                          | 0.030251                        |
| 2024 | 3         | 2                     | 25823        | 0                       | 3             | 1173              | 21.54                            | 3.01                            | 31.81                  | 14.77                          | 0.036675                        |
| 2024 | 3         | 2                     | 76497        | 0                       | 2             | 88                | 2.80                             | 0.36                            | 56.15                  | 28.71                          | 0.094517                        |
| 2024 | 3         | 2                     | 47189        | 0                       | 2             | 554               | 1.55                             | 0.31                            | 52.70                  | 39.57                          | 0.067319                        |
| 2024 | 3         | 2                     | 5030         | 0                       | 2             | 452               | 1.81                             | 0.37                            | 57.00                  | 34.09                          | 0.039072                        |
| 2024 | 3         | 2                     | 63272        | 0                       | 2             | 576               | 3.24                             | 0.35                            | 55.51                  | 25.98                          | 0.039665                        |
| 2024 | 3         | 2                     | 5107         | 0                       | 2             | 68                | 2.21                             | 0.29                            | 49.10                  | 28.86                          | 0.046651                        |
| 2024 | 3         | 2                     | 66682        | 0                       | 2             | 868               | 1.80                             | 0.31                            | 55.84                  | 31.73                          | 0.058831                        |
| 2024 | 3         | 2                     | 68001        | 6800115                 | 2             | 532               | 4.22                             | 0.33                            | 45.39                  | 30.86                          | 0.043888                        |
| 2024 | 3         | 2                     | 15051        | 0                       | 2             | 157               | 1.40                             | 0.77                            | 48.15                  | 40.35                          | 0.051827                        |
| 2024 | 3         | 2                     | 54377        | 0                       | 3             | 1173              | 11.58                            | 4.97                            | 41.07                  | 17.04                          | 0.031201                        |
| 2024 | 3         | 2                     | 68320        | 0                       | 3             | 602               | 4.04                             | 1.70                            | 41.28                  | 18.66                          | 0.036525                        |
| 2024 | 3         | 2                     | 20770        | 0                       | 2             | 150               | 2.43                             | 0.51                            | 62.67                  | 40.39                          | 0.058523                        |
| 2024 | 3         | 2                     | 20238        | 0                       | 3             | 6789              | 21.16                            | 5.14                            | 38.64                  | 15.70                          | 0.034291                        |
| 2024 | 3         | 2                     | 19785        | 0                       | 3             | 614               | 7.48                             | 4.86                            | 47.98                  | 11.84                          | 0.037992                        |
| 2024 | 3         | 2                     | 52317        | 0                       | 2             | 84                | 1.14                             | 0.29                            | 59.63                  | 46.01                          | 0.035182                        |
| 2024 | 3         | 2                     | 47258        | 0                       | 2             | 100               | 2.28                             | 0.32                            | 48.01                  | 31.81                          | 0.024721                        |
| 2024 | 3         | 2                     | 41615        | 0                       | 2             | 227               | 2.43                             | 0.30                            | 50.16                  | 38.66                          | 0.053347                        |
| 2024 | 3         | 2                     | 23001        | 2300109                 | 2             | 129               | 2.23                             | 0.38                            | 53.50                  | 30.65                          | 0.080147                        |
| 2024 | 3         | 2                     | 27361        | 0                       | 2             | 171               | 0.90                             | 0.32                            | 64.70                  | 42.61                          | 0.043023                        |
| 2024 | 3         | 2                     | 25168        | 0                       | 2             | 103               | 1.52                             | 1.06                            | 64.39                  | 25.78                          | 0.075900                        |
| 2024 | 3         | 2                     | 52835        | 0                       | 2             | 651               | 1.84                             | 0.31                            | 62.61                  | 35.21                          | 0.068788                        |
| 2024 | 3         | 2                     | 25612        | 0                       | 2             | 718               | 2.98                             | 1.04                            | 40.84                  | 23.65                          | 0.037164                        |
| 2024 | 3         | 2                     | 76001        | 7600101                 | 2             | 275               | 3.06                             | 0.39                            | 49.28                  | 25.38                          | 0.065501                        |
| 2024 | 3         | 2                     | 5042         | 0                       | 2             | 299               | 1.69                             | 0.31                            | 51.68                  | 32.85                          | 0.051169                        |
| 2024 | 3         | 2                     | 73001        | 7300105                 | 2             | 536               | 4.80                             | 0.36                            | 39.15                  | 27.11                          | 0.076963                        |
| 2024 | 3         | 2                     | 15455        | 0                       | 2             | 169               | 1.05                             | 0.86                            | 48.76                  | 44.31                          | 0.057492                        |
| 2024 | 3         | 2                     | 52405        | 0                       | 2             | 153               | 1.11                             | 0.31                            | 59.42                  | 39.14                          | 0.030363                        |
| 2024 | 3         | 2                     | 70215        | 0                       | 2             | 570               | 1.77                             | 0.33                            | 54.65                  | 31.39                          | 0.063567                        |
| 2024 | 3         | 2                     | 25086        | 0                       | 3             | 749               | 18.29                            | 5.33                            | 34.29                  | 13.34                          | 0.031577                        |
| 2024 | 3         | 2                     | 68377        | 0                       | 3             | 832               | 16.42                            | 3.53                            | 40.86                  | 16.01                          | 0.034910                        |
| 2024 | 3         | 2                     | 54480        | 0                       | 3             | 1228              | 13.52                            | 4.23                            | 43.51                  | 14.89                          | 0.031605                        |
| 2024 | 3         | 2                     | 50689        | 0                       | 2             | 302               | 2.23                             | 0.92                            | 47.53                  | 35.63                          | 0.074963                        |
| 2024 | 3         | 2                     | 73001        | 7300110                 | 2             | 661               | 3.79                             | 0.37                            | 40.13                  | 24.91                          | 0.061815                        |
| 2024 | 3         | 2                     | 5579         | 0                       | 2             | 422               | 1.89                             | 0.37                            | 56.51                  | 41.24                          | 0.053202                        |
| 2024 | 3         | 2                     | 52256        | 0                       | 2             | 65                | 0.93                             | 0.28                            | 64.48                  | 49.33                          | 0.057214                        |
| 2024 | 3         | 2                     | 73024        | 0                       | 2             | 119               | 2.78                             | 0.69                            | 45.09                  | 34.04                          | 0.025115                        |
| 2024 | 3         | 2                     | 20060        | 0                       | 2             | 358               | 1.31                             | 0.32                            | 51.77                  | 34.02                          | 0.045155                        |
| 2024 | 3         | 2                     | 20517        | 0                       | 2             | 154               | 1.19                             | 0.32                            | 73.81                  | 41.49                          | 0.034936                        |
| 2024 | 3         | 2                     | 5250         | 0                       | 2             | 202               | 1.57                             | 0.32                            | 54.90                  | 42.86                          | 0.045322                        |
| 2024 | 3         | 2                     | 76001        | 7600121                 | 2             | 341               | 1.71                             | 0.32                            | 50.94                  | 33.23                          | 0.049866                        |
| 2024 | 3         | 2                     | 70400        | 0                       | 2             | 24                | 1.69                             | 0.30                            | 52.30                  | 44.31                          | 0.074006                        |
| 2024 | 3         | 2                     | 68307        | 0                       | 2             | 1233              | 2.84                             | 0.33                            | 51.44                  | 30.77                          | 0.067675                        |
| 2024 | 3         | 2                     | 15667        | 0                       | 3             | 1313              | 37.47                            | 13.42                           | 35.44                  | 9.35                           | 0.020396                        |
| 2024 | 3         | 2                     | 76036        | 0                       | 2             | 138               | 1.48                             | 0.30                            | 53.73                  | 50.61                          | 0.047724                        |
| 2024 | 3         | 2                     | 76147        | 0                       | 2             | 926               | 3.80                             | 0.34                            | 50.87                  | 25.53                          | 0.060426                        |
| 2024 | 3         | 2                     | 23001        | 2300101                 | 2             | 360               | 2.24                             | 0.38                            | 52.79                  | 22.09                          | 0.064604                        |
| 2024 | 3         | 2                     | 5045         | 0                       | 2             | 1367              | 2.25                             | 0.34                            | 55.00                  | 31.67                          | 0.038625                        |
| 2024 | 3         | 2                     | 73001        | 7300104                 | 2             | 609               | 4.31                             | 0.40                            | 39.10                  | 24.02                          | 0.065989                        |
| 2024 | 3         | 2                     | 15407        | 0                       | 2             | 343               | 3.36                             | 0.93                            | 39.90                  | 33.22                          | 0.060126                        |
| 2024 | 3         | 2                     | 13006        | 0                       | 3             | 1270              | 22.02                            | 6.37                            | 57.41                  | 12.40                          | 0.033829                        |
| 2024 | 3         | 2                     | 47245        | 0                       | 2             | 219               | 1.43                             | 0.34                            | 56.32                  | 34.68                          | 0.043551                        |
| 2024 | 3         | 2                     | 20011        | 0                       | 2             | 770               | 2.87                             | 0.33                            | 64.19                  | 26.22                          | 0.042042                        |
| 2024 | 3         | 2                     | 73411        | 0                       | 2             | 297               | 2.03                             | 0.36                            | 46.30                  | 29.33                          | 0.047892                        |
| 2024 | 3         | 2                     | 13222        | 0                       | 2             | 36                | 2.47                             | 0.30                            | 53.76                  | 35.96                          | 0.084010                        |
| 2024 | 3         | 2                     | 25394        | 0                       | 2             | 137               | 1.12                             | 0.69                            | 44.41                  | 33.82                          | 0.025152                        |
| 2024 | 3         | 2                     | 68001        | 6800105                 | 2             | 291               | 4.73                             | 0.37                            | 44.84                  | 23.73                          | 0.055253                        |
| 2024 | 3         | 2                     | 54405        | 0                       | 2             | 1309              | 3.18                             | 0.39                            | 45.51                  | 31.07                          | 0.035717                        |
| 2024 | 3         | 2                     | 11001        | 1100115                 | 2             | 3303              | 3.73                             | 0.37                            | 35.40                  | 21.88                          | 0.072872                        |
| 2024 | 3         | 2                     | 8758         | 0875803                 | 2             | 626               | 3.91                             | 0.35                            | 44.50                  | 27.36                          | 0.051352                        |
| 2024 | 3         | 2                     | 15180        | 0                       | 3             | 936               | 10.59                            | 10.32                           | 39.73                  | 9.21                           | 0.036828                        |
| 2024 | 3         | 2                     | 15690        | 0                       | 3             | 1296              | 41.21                            | 6.71                            | 35.99                  | 10.07                          | 0.027790                        |
| 2024 | 3         | 2                     | 15778        | 0                       | 3             | 934               | 11.06                            | 2.75                            | 33.30                  | 14.95                          | 0.036938                        |
| 2024 | 3         | 2                     | 8296         | 0                       | 2             | 303               | 2.76                             | 0.35                            | 44.43                  | 26.91                          | 0.059780                        |
| 2024 | 3         | 2                     | 5761         | 0                       | 2             | 347               | 1.53                             | 0.31                            | 52.20                  | 38.47                          | 0.033507                        |
| 2024 | 3         | 2                     | 91001        | 0                       | 2             | 305               | 1.20                             | 0.31                            | 151.33                 | 21.38                          | 0.034704                        |
| 2024 | 3         | 2                     | 54871        | 0                       | 2             | 75                | 0.98                             | 0.76                            | 50.59                  | 26.93                          | 0.020925                        |
| 2024 | 3         | 2                     | 8436         | 0                       | 2             | 25                | 1.06                             | 0.29                            | 49.35                  | 38.83                          | 0.050159                        |
| 2024 | 3         | 2                     | 25214        | 0                       | 2             | 1638              | 3.89                             | 0.37                            | 38.42                  | 23.82                          | 0.057231                        |
| 2024 | 3         | 2                     | 25839        | 0                       | 2             | 348               | 1.91                             | 0.89                            | 51.66                  | 46.85                          | 0.065020                        |
| 2024 | 3         | 2                     | 70708        | 0                       | 2             | 238               | 1.24                             | 0.34                            | 54.59                  | 40.47                          | 0.045985                        |
| 2024 | 3         | 2                     | 5376         | 0                       | 2             | 808               | 1.73                             | 0.35                            | 53.47                  | 33.29                          | 0.055294                        |
| 2024 | 3         | 2                     | 54001        | 5400105                 | 2             | 604               | 3.97                             | 0.38                            | 44.10                  | 23.50                          | 0.068726                        |
| 2024 | 3         | 2                     | 68162        | 0                       | 2             | 73                | 1.09                             | 0.64                            | 54.26                  | 38.74                          | 0.016755                        |
| 2024 | 3         | 2                     | 68655        | 0                       | 2             | 217               | 1.68                             | 0.36                            | 55.11                  | 42.01                          | 0.040821                        |
| 2024 | 3         | 2                     | 68001        | 6800116                 | 2             | 267               | 4.19                             | 0.44                            | 44.98                  | 22.47                          | 0.089704                        |
| 2024 | 3         | 2                     | 54820        | 0                       | 2             | 526               | 1.24                             | 0.35                            | 56.38                  | 42.29                          | 0.029896                        |
| 2024 | 3         | 2                     | 94001        | 0                       | 2             | 152               | 0.72                             | 0.28                            | 577.80                 | 45.06                          | 0.017351                        |
| 2024 | 3         | 2                     | 73352        | 0                       | 2             | 133               | 2.37                             | 0.72                            | 43.07                  | 32.94                          | 0.042879                        |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIMESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COMUNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD_DESCARGA | INDICADOR_VELOCIDAD_AD_CARGA | INDICADOR_LATENCIA | INDICADOR_FLUCTUACION_FASE | INDICADOR_TASA_PERDIDA_PAQUETES |
|------|-----------|-------------------|--------------|---------------------|---------------|-------------------|------------------------------|------------------------------|--------------------|----------------------------|---------------------------------|
| 2024 | 3         | 2                 | 25772        | 0                   | 2             | 224               | 1.30                         | 0.35                         | 46.18              | 31.18                      | 0.049930                        |
| 2024 | 3         | 2                 | 25754        | 2575405             | 2             | 1451              | 4.49                         | 0.40                         | 35.63              | 24.17                      | 0.074052                        |
| 2024 | 3         | 2                 | 66440        | 0                   | 2             | 139               | 1.62                         | 0.33                         | 58.22              | 39.84                      | 0.052520                        |
| 2024 | 3         | 2                 | 68298        | 0                   | 3             | 524               | 6.27                         | 1.90                         | 41.91              | 15.73                      | 0.037248                        |
| 2024 | 3         | 2                 | 5002         | 0                   | 2             | 105               | 1.28                         | 0.30                         | 57.12              | 33.99                      | 0.060316                        |
| 2024 | 3         | 2                 | 68755        | 0                   | 2             | 344               | 1.98                         | 0.39                         | 49.71              | 38.36                      | 0.059768                        |
| 2024 | 3         | 2                 | 5001         | 0500106             | 2             | 722               | 2.53                         | 0.33                         | 47.18              | 26.07                      | 0.082851                        |
| 2024 | 3         | 2                 | 73168        | 0                   | 2             | 187               | 1.49                         | 0.39                         | 49.31              | 36.60                      | 0.057670                        |
| 2024 | 3         | 2                 | 5120         | 0                   | 2             | 228               | 1.25                         | 0.30                         | 59.08              | 42.50                      | 0.034704                        |
| 2024 | 3         | 2                 | 68855        | 0                   | 3             | 687               | 13.27                        | 5.20                         | 45.74              | 15.28                      | 0.039773                        |
| 2024 | 3         | 2                 | 18256        | 0                   | 2             | 91                | 1.06                         | 0.67                         | 64.12              | 59.80                      | 0.043193                        |
| 2024 | 3         | 2                 | 25245        | 0                   | 2             | 506               | 1.21                         | 0.89                         | 41.58              | 32.77                      | 0.026125                        |
| 2024 | 3         | 2                 | 15212        | 0                   | 2             | 13                | 1.11                         | 0.67                         | 46.77              | 54.37                      | 0.053244                        |
| 2024 | 3         | 2                 | 15835        | 0                   | 3             | 2024              | 20.14                        | 10.90                        | 34.38              | 11.27                      | 0.021417                        |
| 2024 | 3         | 2                 | 85325        | 0                   | 2             | 138               | 1.38                         | 0.22                         | 56.06              | 34.12                      | 0.030096                        |
| 2024 | 3         | 2                 | 25035        | 0                   | 2             | 469               | 2.63                         | 0.91                         | 42.84              | 32.93                      | 0.036126                        |
| 2024 | 3         | 2                 | 52687        | 0                   | 2             | 80                | 2.00                         | 0.35                         | 59.00              | 34.65                      | 0.057777                        |
| 2024 | 3         | 2                 | 15516        | 0                   | 2             | 571               | 2.06                         | 1.02                         | 42.24              | 34.27                      | 0.038070                        |
| 2024 | 3         | 2                 | 68679        | 0                   | 2             | 578               | 2.08                         | 0.36                         | 48.86              | 30.36                      | 0.030470                        |
| 2024 | 3         | 2                 | 25754        | 2575406             | 2             | 697               | 3.88                         | 0.36                         | 37.48              | 23.34                      | 0.068621                        |
| 2024 | 3         | 2                 | 76001        | 7600118             | 2             | 518               | 3.85                         | 0.37                         | 51.60              | 27.18                      | 0.045624                        |
| 2024 | 3         | 2                 | 5284         | 0                   | 2             | 109               | 1.54                         | 0.33                         | 58.90              | 32.16                      | 0.019300                        |
| 2024 | 3         | 2                 | 15491        | 0                   | 2             | 237               | 2.04                         | 0.95                         | 43.85              | 33.48                      | 0.047578                        |
| 2024 | 3         | 2                 | 73001        | 7300109             | 2             | 1335              | 3.28                         | 0.36                         | 41.10              | 25.12                      | 0.061623                        |
| 2024 | 3         | 2                 | 68001        | 6800110             | 2             | 420               | 3.99                         | 0.35                         | 45.01              | 27.09                      | 0.058008                        |
| 2024 | 3         | 2                 | 5212         | 0                   | 2             | 1162              | 2.77                         | 0.38                         | 49.04              | 27.72                      | 0.068596                        |
| 2024 | 3         | 2                 | 44035        | 0                   | 2             | 224               | 2.07                         | 0.30                         | 63.16              | 34.19                      | 0.048603                        |
| 2024 | 3         | 2                 | 20250        | 0                   | 2             | 387               | 2.08                         | 0.31                         | 56.75              | 36.11                      | 0.043999                        |
| 2024 | 3         | 2                 | 70820        | 0                   | 2             | 195               | 2.04                         | 0.27                         | 53.79              | 35.74                      | 0.052485                        |
| 2024 | 3         | 2                 | 73275        | 0                   | 2             | 411               | 2.88                         | 0.40                         | 44.78              | 20.09                      | 0.079444                        |
| 2024 | 3         | 2                 | 50313        | 0                   | 2             | 764               | 2.45                         | 0.94                         | 45.11              | 34.44                      | 0.035759                        |
| 2024 | 3         | 2                 | 54810        | 0                   | 2             | 392               | 0.60                         | 0.30                         | 62.02              | 48.64                      | 0.012631                        |
| 2024 | 3         | 2                 | 15226        | 0                   | 3             | 841               | 15.81                        | 3.68                         | 38.86              | 14.66                      | 0.037964                        |
| 2024 | 3         | 2                 | 25377        | 0                   | 2             | 948               | 2.55                         | 0.34                         | 41.40              | 30.71                      | 0.050491                        |
| 2024 | 3         | 2                 | 68001        | 6800117             | 2             | 196               | 2.74                         | 0.33                         | 46.88              | 34.77                      | 0.065238                        |
| 2024 | 3         | 2                 | 81001        | 0                   | 2             | 530               | 2.37                         | 0.62                         | 46.63              | 39.54                      | 0.023933                        |
| 2024 | 3         | 2                 | 5690         | 0                   | 2             | 292               | 2.74                         | 0.33                         | 52.16              | 29.66                      | 0.050585                        |
| 2024 | 3         | 2                 | 41319        | 0                   | 2             | 122               | 1.46                         | 0.57                         | 60.91              | 36.23                      | 0.039083                        |
| 2024 | 3         | 2                 | 73547        | 0                   | 3             | 1241              | 23.57                        | 4.43                         | 34.18              | 14.80                      | 0.031725                        |
| 2024 | 3         | 2                 | 41020        | 0                   | 2             | 112               | 1.48                         | 0.32                         | 60.79              | 48.42                      | 0.019679                        |
| 2024 | 3         | 2                 | 15790        | 0                   | 2             | 123               | 1.65                         | 0.58                         | 58.65              | 43.59                      | 0.036878                        |
| 2024 | 3         | 2                 | 25151        | 0                   | 2             | 345               | 1.97                         | 0.84                         | 47.16              | 42.63                      | 0.048439                        |
| 2024 | 3         | 2                 | 25899        | 0                   | 2             | 1853              | 2.13                         | 0.36                         | 42.15              | 29.66                      | 0.044448                        |
| 2024 | 3         | 2                 | 19622        | 0                   | 2             | 75                | 0.95                         | 0.25                         | 56.68              | 41.22                      | 0.022381                        |
| 2024 | 3         | 2                 | 41396        | 0                   | 2             | 271               | 1.72                         | 0.32                         | 55.32              | 44.68                      | 0.059557                        |
| 2024 | 3         | 2                 | 25878        | 0                   | 2             | 179               | 1.55                         | 0.64                         | 48.82              | 35.27                      | 0.053191                        |
| 2024 | 3         | 2                 | 25885        | 0                   | 2             | 149               | 1.12                         | 0.55                         | 45.90              | 29.34                      | 0.039252                        |
| 2024 | 3         | 2                 | 17541        | 0                   | 2             | 208               | 1.95                         | 0.37                         | 67.78              | 37.60                      | 0.037547                        |
| 2024 | 3         | 2                 | 25436        | 0                   | 2             | 43                | 1.35                         | 0.69                         | 46.74              | 28.15                      | 0.017129                        |
| 2024 | 3         | 2                 | 73443        | 0                   | 2             | 274               | 1.91                         | 0.36                         | 48.42              | 37.42                      | 0.062741                        |
| 2024 | 3         | 2                 | 41483        | 0                   | 3             | 1540              | 16.97                        | 11.66                        | 49.70              | 13.75                      | 0.042186                        |
| 2024 | 3         | 2                 | 50577        | 0                   | 2             | 168               | 1.27                         | 0.64                         | 54.91              | 38.29                      | 0.020486                        |
| 2024 | 3         | 2                 | 54250        | 0                   | 2             | 35                | 0.47                         | 0.39                         | 59.72              | 45.32                      | 0.002445                        |
| 2024 | 3         | 2                 | 44098        | 0                   | 2             | 121               | 3.13                         | 0.34                         | 57.37              | 32.94                      | 0.062559                        |
| 2024 | 3         | 2                 | 41791        | 0                   | 2             | 118               | 0.69                         | 0.28                         | 62.41              | 43.50                      | 0.040150                        |
| 2024 | 3         | 2                 | 68524        | 0                   | 2             | 76                | 1.05                         | 0.67                         | 52.16              | 52.16                      | 0.055151                        |
| 2024 | 3         | 2                 | 50318        | 0                   | 2             | 287               | 2.18                         | 0.77                         | 43.88              | 30.89                      | 0.027888                        |
| 2024 | 3         | 2                 | 66045        | 0                   | 2             | 53                | 1.09                         | 0.29                         | 61.60              | 35.25                      | 0.056388                        |
| 2024 | 3         | 2                 | 5088         | 0508807             | 2             | 316               | 2.68                         | 0.35                         | 47.90              | 28.14                      | 0.056533                        |
| 2024 | 3         | 2                 | 5147         | 0                   | 2             | 456               | 1.81                         | 0.33                         | 57.40              | 34.72                      | 0.050977                        |
| 2024 | 3         | 2                 | 73001        | 7300101             | 2             | 1103              | 3.87                         | 0.37                         | 39.32              | 24.28                      | 0.068881                        |
| 2024 | 3         | 2                 | 68406        | 0                   | 2             | 235               | 2.44                         | 0.34                         | 54.30              | 39.03                      | 0.071170                        |
| 2024 | 3         | 2                 | 63190        | 0                   | 2             | 374               | 3.02                         | 0.31                         | 56.29              | 29.01                      | 0.046705                        |
| 2024 | 3         | 2                 | 52079        | 0                   | 2             | 91                | 0.83                         | 0.24                         | 72.66              | 53.15                      | 0.041484                        |
| 2024 | 3         | 2                 | 54245        | 0                   | 2             | 53                | 0.76                         | 0.90                         | 48.18              | 48.52                      | 0.032137                        |
| 2024 | 3         | 2                 | 68549        | 0                   | 2             | 147               | 1.32                         | 0.52                         | 50.88              | 37.31                      | 0.018713                        |
| 2024 | 3         | 2                 | 73001        | 7300107             | 2             | 609               | 3.00                         | 0.35                         | 40.80              | 25.12                      | 0.073532                        |
| 2024 | 3         | 2                 | 68500        | 0                   | 2             | 197               | 1.41                         | 0.33                         | 54.77              | 37.18                      | 0.062233                        |
| 2024 | 3         | 2                 | 17877        | 0                   | 2             | 144               | 3.44                         | 0.37                         | 54.22              | 19.97                      | 0.060309                        |
| 2024 | 3         | 2                 | 68318        | 0                   | 3             | 563               | 10.20                        | 9.84                         | 39.27              | 11.13                      | 0.046837                        |
| 2024 | 3         | 2                 | 52480        | 0                   | 2             | 70                | 0.99                         | 0.33                         | 57.26              | 35.93                      | 0.021299                        |
| 2024 | 3         | 2                 | 15621        | 0                   | 3             | 692               | 26.85                        | 8.19                         | 33.64              | 11.40                      | 0.026483                        |
| 2024 | 3         | 2                 | 68770        | 0                   | 2             | 327               | 1.86                         | 0.67                         | 49.95              | 38.12                      | 0.030869                        |
| 2024 | 3         | 2                 | 76622        | 0                   | 2             | 156               | 1.64                         | 0.34                         | 53.97              | 35.82                      | 0.033075                        |
| 2024 | 3         | 2                 | 25785        | 0                   | 2             | 597               | 2.50                         | 0.47                         | 40.60              | 26.62                      | 0.077099                        |
| 2024 | 3         | 2                 | 15693        | 0                   | 2             | 221               | 1.08                         | 0.89                         | 49.33              | 37.75                      | 0.025160                        |
| 2024 | 3         | 2                 | 5315         | 0                   | 3             | 678               | 28.01                        | 9.44                         | 33.57              | 9.19                       | 0.022844                        |
| 2024 | 3         | 2                 | 23570        | 0                   | 2             | 125               | 1.14                         | 0.41                         | 72.86              | 46.97                      | 0.033148                        |
| 2024 | 3         | 2                 | 73268        | 0                   | 2             | 697               | 2.46                         | 0.37                         | 44.85              | 30.92                      | 0.072547                        |
| 2024 | 3         | 2                 | 50350        | 0                   | 2             | 195               | 2.03                         | 0.80                         | 65.27              | 47.24                      | 0.047317                        |
| 2024 | 3         | 2                 | 8372         | 0                   | 2             | 149               | 2.48                         | 0.28                         | 55.62              | 52.82                      | 0.083129                        |
| 2024 | 3         | 2                 | 5667         | 0                   | 2             | 88                | 1.45                         | 0.63                         | 52.24              | 42.22                      | 0.046210                        |
| 2024 | 3         | 2                 | 44001        | 0                   | 2             | 1114              | 2.38                         | 0.33                         | 59.15              | 32.58                      | 0.056166                        |
| 2024 | 3         | 2                 | 19290        | 0                   | 3             | 640               | 22.66                        | 4.95                         | 42.96              | 15.33                      | 0.038069                        |
| 2024 | 3         | 2                 | 5040         | 0                   | 2             | 97                | 1.82                         | 0.27                         | 53.71              | 51.98                      | 0.028970                        |
| 2024 | 3         | 2                 | 25740        | 0                   | 2             | 908               | 2.36                         | 0.40                         | 42.89              | 30.00                      | 0.063673                        |
| 2024 | 3         | 2                 | 15621        | 0                   | 2             | 108               | 1.07                         | 0.68                         | 47.60              | 34.64                      | 0.023894                        |
| 2024 | 3         | 2                 | 73270        | 0                   | 2             | 119               | 0.94                         | 0.36                         | 63.57              | 40.98                      | 0.023963                        |
| 2024 | 3         | 2                 | 15537        | 0                   | 2             | 52                | 1.10                         | 0.72                         | 45.87              | 33.32                      | 0.048870                        |
| 2024 | 3         | 2                 | 15763        | 0                   | 2             | 169               | 1.02                         | 0.83                         | 47.48              | 38.86                      | 0.020799                        |
| 2024 | 3         | 2                 | 81300        | 0                   | 2             | 30                | 1.20                         | 0.28                         | 81.43              | 40.86                      | 0.028185                        |
| 2024 | 3         | 2                 | 5148         | 0                   | 2             | 495               | 1.22                         | 0.35                         | 56.55              | 38.15                      | 0.039623                        |
| 2024 | 3         | 2                 | 95001        | 0                   | 2             | 237               | 4.13                         | 0.33                         | 46.10              | 35.35                      | 0.063840                        |
| 2024 | 3         | 2                 | 18753        | 0                   | 2             | 162               | 1.65                         | 0.30                         | 59.64              | 30.93                      | 0.044554                        |
| 2024 | 3         | 2                 | 15244        | 0                   | 3             | 1246              | 21.71                        | 4.61                         | 41.57              | 11.78                      | 0.028618                        |
| 2024 | 3         | 2                 | 68572        | 0                   | 2             | 193               | 1.83                         | 0.34                         | 56.39              | 45.70                      | 0.041154                        |
| 2024 | 3         | 2                 | 81736        | 0                   | 2             | 261               | 1.74                         | 0.40                         | 57.25              | 37.61                      | 0.034388                        |
| 2024 | 3         | 2                 | 5895         | 0                   | 2             | 219               | 2.01                         | 0.33                         | 57.25              | 38.95                      | 0.023124                        |
| 2024 | 3         | 2                 | 17013        | 0                   | 2             | 234               | 1.17                         | 0.35                         | 65.16              | 38.42                      | 0.040439                        |
| 2024 | 3         | 2                 | 20045        | 0                   | 2             | 210               | 0.85                         | 0.32                         | 60.70              | 41.23                      | 0.065815                        |
| 2024 | 3         | 2                 | 25326        | 0                   | 2             | 103               | 3.50                         | 0.87                         | 40.77              | 20.31                      | 0.036326                        |
| 2024 | 3         | 2                 | 68001        | 6800101             | 2             | 157               | 2.65                         | 0.33                         | 47.76              | 28.18                      | 0.049751                        |
| 2024 | 3         | 2                 | 5197         | 0                   | 2             | 167               | 1.15                         | 0.53                         | 55.81              | 42.52                      | 0.045732                        |
| 2024 | 3         | 2                 | 15806        | 0                   | 2             | 282               | 2.15                         | 1.00                         | 44.00              | 30.84                      | 0.054796                        |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIMESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COMUNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD_DESCARGA | INDICADOR_VELOCIDAD_CARGA | INDICADOR_LATENCIA | INDICADOR_FLUCTUACION_FASE | INDICADOR_TASA_PERDIDA_PAQUETES |
|------|-----------|-------------------|--------------|---------------------|---------------|-------------------|------------------------------|---------------------------|--------------------|----------------------------|---------------------------------|
| 2024 | 3         | 2                 | 5031         | 0                   | 2             | 133               | 0.85                         | 0.27                      | 55.95              | 39.14                      | 0.010955                        |
| 2024 | 3         | 2                 | 63212        | 0                   | 2             | 25                | 3.94                         | 0.99                      | 48.19              | 16.26                      | 0.057515                        |
| 2024 | 3         | 2                 | 66075        | 0                   | 2             | 154               | 3.78                         | 0.39                      | 56.39              | 27.91                      | 0.112495                        |
| 2024 | 3         | 2                 | 17174        | 0                   | 2             | 576               | 2.13                         | 0.32                      | 57.72              | 48.06                      | 0.043066                        |
| 2024 | 3         | 2                 | 76606        | 0                   | 2             | 188               | 2.09                         | 0.32                      | 55.94              | 30.26                      | 0.022634                        |
| 2024 | 3         | 2                 | 52885        | 0                   | 2             | 43                | 1.20                         | 0.34                      | 72.17              | 60.62                      | 0.035415                        |
| 2024 | 3         | 2                 | 68255        | 0                   | 2             | 102               | 1.58                         | 0.29                      | 52.39              | 38.46                      | 0.040324                        |
| 2024 | 3         | 2                 | 5308         | 0                   | 2             | 839               | 1.80                         | 0.38                      | 52.07              | 22.51                      | 0.068905                        |
| 2024 | 3         | 2                 | 15835        | 0                   | 2             | 61                | 1.12                         | 0.92                      | 48.69              | 27.52                      | 0.030957                        |
| 2024 | 3         | 2                 | 68077        | 0                   | 2             | 318               | 2.56                         | 0.37                      | 50.00              | 32.13                      | 0.094255                        |
| 2024 | 3         | 2                 | 52788        | 0                   | 2             | 170               | 1.37                         | 0.31                      | 55.12              | 34.26                      | 0.025780                        |
| 2024 | 3         | 2                 | 99624        | 0                   | 3             | 901               | 3.60                         | 1.89                      | 41.80              | 20.51                      | 0.037528                        |
| 2024 | 3         | 2                 | 73001        | 7300111             | 2             | 206               | 3.10                         | 0.38                      | 41.04              | 33.74                      | 0.091297                        |
| 2024 | 3         | 2                 | 52215        | 0                   | 2             | 74                | 1.29                         | 0.38                      | 66.44              | 34.28                      | 0.017070                        |
| 2024 | 3         | 2                 | 76403        | 0                   | 2             | 139               | 1.76                         | 0.43                      | 59.19              | 48.34                      | 0.043568                        |
| 2024 | 3         | 2                 | 15212        | 0                   | 3             | 583               | 18.55                        | 6.04                      | 33.47              | 8.79                       | 0.024246                        |
| 2024 | 3         | 2                 | 68780        | 0                   | 2             | 92                | 0.99                         | 0.52                      | 54.57              | 42.94                      | 0.033467                        |
| 2024 | 3         | 2                 | 70670        | 0                   | 2             | 183               | 1.37                         | 0.33                      | 58.50              | 42.37                      | 0.029860                        |
| 2024 | 3         | 2                 | 52838        | 0                   | 2             | 136               | 1.11                         | 0.30                      | 60.56              | 44.81                      | 0.057538                        |
| 2024 | 3         | 2                 | 50287        | 0                   | 2             | 193               | 1.83                         | 0.71                      | 52.63              | 34.87                      | 0.018874                        |
| 2024 | 3         | 2                 | 5483         | 0                   | 2             | 129               | 0.90                         | 0.30                      | 74.71              | 46.72                      | 0.012255                        |
| 2024 | 3         | 2                 | 68464        | 0                   | 2             | 68                | 0.76                         | 0.28                      | 58.07              | 35.42                      | 0.023888                        |
| 2024 | 3         | 2                 | 15810        | 0                   | 2             | 120               | 0.56                         | 1.01                      | 57.44              | 45.31                      | 0.013898                        |
| 2024 | 3         | 2                 | 25260        | 0                   | 2             | 399               | 2.13                         | 0.36                      | 43.72              | 38.48                      | 0.075669                        |
| 2024 | 3         | 2                 | 76616        | 0                   | 2             | 212               | 3.64                         | 0.85                      | 44.27              | 30.76                      | 0.044343                        |
| 2024 | 3         | 2                 | 19256        | 0                   | 2             | 138               | 2.18                         | 0.32                      | 57.71              | 33.93                      | 0.076689                        |
| 2024 | 3         | 2                 | 5234         | 0                   | 2             | 139               | 0.71                         | 0.33                      | 62.94              | 49.83                      | 0.020624                        |
| 2024 | 3         | 2                 | 66400        | 0                   | 2             | 333               | 1.60                         | 0.38                      | 56.83              | 31.97                      | 0.059150                        |
| 2024 | 3         | 2                 | 19821        | 0                   | 2             | 48                | 1.64                         | 0.56                      | 51.05              | 41.80                      | 0.059800                        |
| 2024 | 3         | 2                 | 41206        | 0                   | 2             | 125               | 1.80                         | 0.42                      | 58.75              | 34.41                      | 0.023200                        |
| 2024 | 3         | 2                 | 73408        | 0                   | 2             | 111               | 1.94                         | 0.32                      | 47.23              | 27.39                      | 0.055322                        |
| 2024 | 3         | 2                 | 76001        | 7600120             | 2             | 364               | 2.67                         | 0.33                      | 50.99              | 27.86                      | 0.063412                        |
| 2024 | 3         | 2                 | 15599        | 0                   | 2             | 61                | 1.35                         | 0.84                      | 43.96              | 47.78                      | 0.023659                        |
| 2024 | 3         | 2                 | 5347         | 0                   | 2             | 77                | 1.52                         | 0.32                      | 59.76              | 26.14                      | 0.052191                        |
| 2024 | 3         | 2                 | 5686         | 0                   | 2             | 423               | 1.59                         | 0.33                      | 47.55              | 35.50                      | 0.039708                        |
| 2024 | 3         | 2                 | 25123        | 0                   | 2             | 236               | 0.89                         | 0.79                      | 45.66              | 39.33                      | 0.035422                        |
| 2024 | 3         | 2                 | 68101        | 0                   | 2             | 30                | 1.38                         | 0.37                      | 58.70              | 35.10                      | 0.024414                        |
| 2024 | 3         | 2                 | 86568        | 0                   | 2             | 681               | 2.08                         | 0.35                      | 55.23              | 32.40                      | 0.070044                        |
| 2024 | 3         | 2                 | 20550        | 0                   | 2             | 115               | 1.08                         | 0.31                      | 74.86              | 46.91                      | 0.025394                        |
| 2024 | 3         | 2                 | 25867        | 0                   | 2             | 108               | 1.47                         | 0.82                      | 41.79              | 34.89                      | 0.027355                        |
| 2024 | 3         | 2                 | 13052        | 0                   | 2             | 207               | 1.21                         | 0.48                      | 56.07              | 37.88                      | 0.048431                        |
| 2024 | 3         | 2                 | 25053        | 0                   | 2             | 167               | 1.56                         | 0.92                      | 54.72              | 44.06                      | 0.058831                        |
| 2024 | 3         | 2                 | 27245        | 0                   | 2             | 194               | 2.19                         | 0.33                      | 62.75              | 35.49                      | 0.073210                        |
| 2024 | 3         | 2                 | 19585        | 0                   | 2             | 167               | 0.61                         | 0.33                      | 65.24              | 41.54                      | 0.016700                        |
| 2024 | 3         | 2                 | 44650        | 0                   | 2             | 406               | 1.24                         | 0.31                      | 61.20              | 39.68                      | 0.065676                        |
| 2024 | 3         | 2                 | 5628         | 0                   | 2             | 24                | 0.64                         | 0.36                      | 83.23              | 63.20                      | 0.011317                        |
| 2024 | 3         | 2                 | 5656         | 0                   | 2             | 373               | 1.75                         | 1.01                      | 46.07              | 30.07                      | 0.032970                        |
| 2024 | 3         | 2                 | 17614        | 0                   | 2             | 212               | 1.39                         | 0.32                      | 57.34              | 32.34                      | 0.051964                        |
| 2024 | 3         | 2                 | 68001        | 6800106             | 2             | 493               | 4.19                         | 0.37                      | 45.09              | 28.67                      | 0.063954                        |
| 2024 | 3         | 2                 | 25372        | 0                   | 2             | 177               | 1.53                         | 0.78                      | 68.54              | 38.79                      | 0.034604                        |
| 2024 | 3         | 2                 | 95025        | 0                   | 2             | 45                | 1.96                         | 0.35                      | 49.95              | 42.13                      | 0.059106                        |
| 2024 | 3         | 2                 | 54172        | 0                   | 2             | 357               | 1.46                         | 0.38                      | 54.99              | 43.09                      | 0.027182                        |
| 2024 | 3         | 2                 | 5789         | 0                   | 2             | 89                | 0.85                         | 0.31                      | 60.32              | 45.66                      | 0.036216                        |
| 2024 | 3         | 2                 | 70713        | 0                   | 2             | 157               | 2.01                         | 0.31                      | 60.80              | 42.12                      | 0.033887                        |
| 2024 | 3         | 2                 | 27800        | 0                   | 2             | 116               | 1.83                         | 0.90                      | 65.15              | 33.04                      | 0.026389                        |
| 2024 | 3         | 2                 | 5091         | 0                   | 2             | 76                | 0.89                         | 0.29                      | 57.99              | 42.11                      | 0.048065                        |
| 2024 | 3         | 2                 | 15272        | 0                   | 2             | 155               | 1.04                         | 0.69                      | 50.22              | 40.31                      | 0.042941                        |
| 2024 | 3         | 2                 | 19075        | 0                   | 2             | 69                | 1.29                         | 0.29                      | 54.65              | 27.87                      | 0.043806                        |
| 2024 | 3         | 2                 | 25001        | 0                   | 3             | 2197              | 20.84                        | 3.07                      | 35.30              | 13.52                      | 0.041920                        |
| 2024 | 3         | 2                 | 27810        | 0                   | 2             | 144               | 1.42                         | 0.55                      | 69.35              | 49.34                      | 0.052708                        |
| 2024 | 3         | 2                 | 25718        | 0                   | 2             | 172               | 1.62                         | 0.70                      | 45.23              | 38.39                      | 0.063847                        |
| 2024 | 3         | 2                 | 23686        | 0                   | 2             | 210               | 1.47                         | 0.34                      | 56.14              | 35.36                      | 0.053759                        |
| 2024 | 3         | 2                 | 25178        | 0                   | 2             | 212               | 1.60                         | 0.94                      | 41.74              | 39.35                      | 0.044651                        |
| 2024 | 3         | 2                 | 25841        | 0                   | 2             | 93                | 0.65                         | 0.95                      | 45.14              | 40.27                      | 0.029661                        |
| 2024 | 3         | 2                 | 68190        | 0                   | 2             | 519               | 1.45                         | 0.29                      | 61.19              | 42.28                      | 0.046158                        |
| 2024 | 3         | 2                 | 5237         | 0                   | 2             | 147               | 2.00                         | 0.31                      | 50.57              | 32.43                      | 0.074822                        |
| 2024 | 3         | 2                 | 68895        | 0                   | 2             | 133               | 1.89                         | 0.53                      | 47.56              | 32.52                      | 0.050438                        |
| 2024 | 3         | 2                 | 54001        | 5400108             | 2             | 511               | 2.19                         | 0.42                      | 45.92              | 28.49                      | 0.043309                        |
| 2024 | 3         | 2                 | 25851        | 0                   | 2             | 63                | 1.67                         | 0.66                      | 45.34              | 31.84                      | 0.065701                        |
| 2024 | 3         | 2                 | 76122        | 0                   | 2             | 232               | 1.96                         | 0.34                      | 61.41              | 34.94                      | 0.014646                        |
| 2024 | 3         | 2                 | 52683        | 0                   | 2             | 270               | 0.97                         | 0.31                      | 58.81              | 41.02                      | 0.032424                        |
| 2024 | 3         | 2                 | 19693        | 0                   | 2             | 38                | 0.87                         | 0.22                      | 57.45              | 43.26                      | 0.043658                        |
| 2024 | 3         | 2                 | 70717        | 0                   | 2             | 88                | 1.38                         | 0.28                      | 56.80              | 34.63                      | 0.037013                        |
| 2024 | 3         | 2                 | 68682        | 0                   | 2             | 28                | 1.73                         | 0.78                      | 48.22              | 42.72                      | 0.009487                        |
| 2024 | 3         | 2                 | 23300        | 0                   | 2             | 58                | 0.84                         | 0.27                      | 57.37              | 47.12                      | 0.026534                        |
| 2024 | 3         | 2                 | 70124        | 0                   | 2             | 80                | 0.82                         | 0.33                      | 56.75              | 34.15                      | 0.013962                        |
| 2024 | 3         | 2                 | 86865        | 0                   | 2             | 191               | 1.40                         | 0.50                      | 53.78              | 38.32                      | 0.035342                        |
| 2024 | 3         | 2                 | 25815        | 0                   | 2             | 443               | 1.80                         | 0.86                      | 47.55              | 40.88                      | 0.037191                        |
| 2024 | 3         | 2                 | 50680        | 0                   | 2             | 186               | 2.94                         | 0.84                      | 45.14              | 33.17                      | 0.028330                        |
| 2024 | 3         | 2                 | 15377        | 0                   | 2             | 139               | 1.81                         | 0.85                      | 51.57              | 30.92                      | 0.019235                        |
| 2024 | 3         | 2                 | 19050        | 0                   | 2             | 57                | 1.36                         | 0.32                      | 72.21              | 51.47                      | 0.050989                        |
| 2024 | 3         | 2                 | 47555        | 0                   | 2             | 39                | 1.46                         | 0.32                      | 54.60              | 58.31                      | 0.110336                        |
| 2024 | 3         | 2                 | 5873         | 0                   | 2             | 30                | 0.61                         | 0.34                      | 72.89              | 47.81                      | 0.038187                        |
| 2024 | 3         | 2                 | 25769        | 0                   | 2             | 155               | 1.93                         | 0.35                      | 48.70              | 38.74                      | 0.065385                        |
| 2024 | 3         | 2                 | 41013        | 0                   | 2             | 43                | 2.64                         | 0.35                      | 52.40              | 46.53                      | 0.045989                        |
| 2024 | 3         | 2                 | 25040        | 0                   | 2             | 163               | 1.05                         | 0.60                      | 47.09              | 37.55                      | 0.031567                        |
| 2024 | 3         | 2                 | 15500        | 0                   | 2             | 69                | 1.86                         | 0.86                      | 45.74              | 46.38                      | 0.030015                        |
| 2024 | 3         | 2                 | 19517        | 0                   | 2             | 63                | 0.91                         | 0.48                      | 67.82              | 56.09                      | 0.035206                        |
| 2024 | 3         | 2                 | 15720        | 0                   | 2             | 51                | 0.81                         | 0.71                      | 74.14              | 68.54                      | 0.015231                        |
| 2024 | 3         | 2                 | 25402        | 0                   | 2             | 373               | 1.33                         | 0.78                      | 43.78              | 50.66                      | 0.044790                        |
| 2024 | 3         | 2                 | 19701        | 0                   | 2             | 179               | 1.15                         | 0.35                      | 67.16              | 47.94                      | 0.047274                        |
| 2024 | 3         | 2                 | 23189        | 0                   | 2             | 254               | 1.75                         | 0.33                      | 60.16              | 35.38                      | 0.040587                        |
| 2024 | 3         | 2                 | 25777        | 0                   | 2             | 57                | 0.87                         | 0.51                      | 48.32              | 38.32                      | 0.029924                        |
| 2024 | 3         | 2                 | 76318        | 0                   | 2             | 198               | 1.88                         | 0.35                      | 52.90              | 33.80                      | 0.055925                        |
| 2024 | 3         | 2                 | 23574        | 0                   | 2             | 58                | 0.43                         | 0.23                      | 73.84              | 58.18                      | 0.061762                        |
| 2024 | 3         | 2                 | 25781        | 0                   | 2             | 95                | 1.90                         | 1.05                      | 49.98              | 46.25                      | 0.085844                        |
| 2024 | 3         | 2                 | 76828        | 0                   | 2             | 47                | 2.33                         | 0.33                      | 54.85              | 42.20                      | 0.052012                        |
| 2024 | 3         | 2                 | 50150        | 0                   | 2             | 152               | 1.71                         | 0.48                      | 49.36              | 47.02                      | 0.038996                        |
| 2024 | 3         | 2                 | 19300        | 0                   | 2             | 135               | 2.27                         | 0.29                      | 52.66              | 34.74                      | 0.031510                        |
| 2024 | 3         | 2                 | 68377        | 0                   | 2             | 171               | 0.98                         | 0.53                      | 57.66              | 36.16                      | 0.019606                        |
| 2024 | 3         | 2                 | 41524        | 0                   | 2             | 301               | 3.20                         | 0.35                      | 48.57              | 26.14                      | 0.077790                        |
| 2024 | 3         | 2                 | 63690        | 0                   | 2             | 351               | 3.87                         | 0.34                      | 54.58              | 21.01                      | 0.049277                        |
| 2024 | 3         | 2                 | 5490         | 0                   | 2             | 337               | 1.10                         | 0.27                      | 68.36              | 46.02                      | 0.040163                        |
| 2024 | 3         | 2                 | 85139        | 0                   | 2             | 219               | 0.93                         | 0.26                      | 62.74              | 41.74                      | 0.049930                        |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIMESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COMUNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD_DESCARGA | INDICADOR_VELOCIDAD_CARGA | INDICADOR_LATENCIA | INDICADOR_FLUCTUACION_FASE | INDICADOR_TASA_PERDIDA_PAQUETES |
|------|-----------|-------------------|--------------|---------------------|---------------|-------------------|------------------------------|---------------------------|--------------------|----------------------------|---------------------------------|
| 2024 | 3         | 2                 | 47205        | 0                   | 2             | 28                | 1.75                         | 0.35                      | 60.47              | 35.15                      | 0.093249                        |
| 2024 | 3         | 2                 | 25592        | 0                   | 2             | 150               | 1.92                         | 0.77                      | 41.58              | 46.93                      | 0.027724                        |
| 2024 | 3         | 2                 | 13549        | 0                   | 2             | 20                | 1.60                         | 0.28                      | 64.43              | 57.30                      | 0.032366                        |
| 2024 | 3         | 2                 | 41548        | 0                   | 2             | 136               | 1.03                         | 0.59                      | 57.40              | 41.70                      | 0.039470                        |
| 2024 | 3         | 2                 | 41378        | 0                   | 2             | 35                | 0.71                         | 0.70                      | 55.18              | 41.71                      | 0.032881                        |
| 2024 | 3         | 2                 | 68615        | 0                   | 2             | 321               | 1.83                         | 0.29                      | 54.31              | 44.61                      | 0.034352                        |
| 2024 | 3         | 2                 | 54174        | 0                   | 2             | 115               | 1.37                         | 1.00                      | 46.08              | 23.00                      | 0.013792                        |
| 2024 | 3         | 2                 | 15681        | 0                   | 2             | 83                | 0.79                         | 0.79                      | 50.19              | 59.44                      | 0.015926                        |
| 2024 | 3         | 2                 | 41016        | 0                   | 2             | 146               | 2.32                         | 0.33                      | 49.96              | 36.61                      | 0.036053                        |
| 2024 | 3         | 2                 | 25745        | 0                   | 2             | 226               | 1.28                         | 0.88                      | 45.01              | 47.23                      | 0.026656                        |
| 2024 | 3         | 2                 | 13760        | 0                   | 2             | 9                 | 1.41                         | 0.34                      | 58.45              | 22                         | 0.030585                        |
| 2024 | 3         | 2                 | 52435        | 0                   | 2             | 105               | 1.58                         | 0.34                      | 59.32              | 51.29                      | 0.041829                        |
| 2024 | 3         | 2                 | 76275        | 0                   | 2             | 508               | 1.51                         | 0.34                      | 58.76              | 37.06                      | 0.037714                        |
| 2024 | 3         | 2                 | 15638        | 0                   | 2             | 144               | 1.16                         | 1.08                      | 45.24              | 34.36                      | 0.050750                        |
| 2024 | 3         | 2                 | 5129         | 0                   | 2             | 997               | 2.10                         | 0.35                      | 52.38              | 31.39                      | 0.048163                        |
| 2024 | 3         | 2                 | 86885        | 0                   | 2             | 272               | 1.82                         | 0.40                      | 55.42              | 30.23                      | 0.057510                        |
| 2024 | 3         | 2                 | 54001        | 5400104             | 2             | 640               | 2.59                         | 0.39                      | 44.58              | 27.01                      | 0.063165                        |
| 2024 | 3         | 2                 | 68079        | 0                   | 2             | 89                | 0.91                         | 0.55                      | 55.12              | 52.23                      | 0.026640                        |
| 2024 | 3         | 2                 | 54498        | 0                   | 2             | 642               | 1.63                         | 0.33                      | 54.59              | 35.44                      | 0.049310                        |
| 2024 | 3         | 2                 | 13244        | 0                   | 2             | 211               | 0.64                         | 0.30                      | 63.22              | 54.22                      | 0.047691                        |
| 2024 | 3         | 2                 | 25224        | 0                   | 2             | 183               | 1.00                         | 0.77                      | 44.78              | 30.84                      | 0.028108                        |
| 2024 | 3         | 2                 | 76377        | 0                   | 2             | 61                | 1.95                         | 0.28                      | 54.22              | 37.33                      | 0.041951                        |
| 2024 | 3         | 2                 | 17867        | 0                   | 2             | 217               | 2.67                         | 0.52                      | 65.85              | 26.86                      | 0.034394                        |
| 2024 | 3         | 2                 | 68001        | 6800111             | 2             | 256               | 3.43                         | 0.34                      | 46.01              | 19.59                      | 0.068878                        |
| 2024 | 3         | 2                 | 5172         | 0                   | 2             | 320               | 1.66                         | 0.34                      | 55.40              | 31.17                      | 0.043903                        |
| 2024 | 3         | 2                 | 85230        | 0                   | 2             | 180               | 1.31                         | 0.35                      | 62.19              | 50.65                      | 0.046947                        |
| 2024 | 3         | 2                 | 23350        | 0                   | 2             | 83                | 1.63                         | 0.35                      | 61.77              | 41.78                      | 0.055868                        |
| 2024 | 3         | 2                 | 54001        | 5400109             | 2             | 180               | 2.11                         | 0.39                      | 46.17              | 35.05                      | 0.069429                        |
| 2024 | 3         | 2                 | 41885        | 0                   | 2             | 77                | 2.39                         | 0.38                      | 62.28              | 39.45                      | 0.067615                        |
| 2024 | 3         | 2                 | 81794        | 0                   | 2             | 434               | 0.97                         | 0.32                      | 57.79              | 46.30                      | 0.056741                        |
| 2024 | 3         | 2                 | 44874        | 0                   | 2             | 179               | 1.81                         | 0.74                      | 51.77              | 28.17                      | 0.059807                        |
| 2024 | 3         | 2                 | 15507        | 0                   | 2             | 66                | 1.01                         | 0.64                      | 55.12              | 61.69                      | 0.034869                        |
| 2024 | 3         | 2                 | 50590        | 0                   | 2             | 120               | 0.85                         | 0.64                      | 54.10              | 47.35                      | 0.039028                        |
| 2024 | 3         | 2                 | 25518        | 0                   | 2             | 77                | 1.40                         | 0.68                      | 45.13              | 47.06                      | 0.033341                        |
| 2024 | 3         | 2                 | 5819         | 0                   | 2             | 94                | 1.89                         | 0.48                      | 55.66              | 50.51                      | 0.030023                        |
| 2024 | 3         | 2                 | 25295        | 0                   | 2             | 315               | 2.17                         | 0.73                      | 36.56              | 33.80                      | 0.058105                        |
| 2024 | 3         | 2                 | 54599        | 0                   | 3             | 916               | 13.95                        | 7.85                      | 45.07              | 11.76                      | 0.048521                        |
| 2024 | 3         | 2                 | 5585         | 0                   | 2             | 152               | 1.65                         | 0.26                      | 69.03              | 56.29                      | 0.040194                        |
| 2024 | 3         | 2                 | 20750        | 0                   | 2             | 118               | 1.30                         | 0.33                      | 57.50              | 41.11                      | 0.044991                        |
| 2024 | 3         | 2                 | 5480         | 0                   | 2             | 128               | 0.89                         | 0.61                      | 58.49              | 49.14                      | 0.037403                        |
| 2024 | 3         | 2                 | 15861        | 0                   | 2             | 232               | 1.72                         | 1.03                      | 40.81              | 32.46                      | 0.037537                        |
| 2024 | 3         | 2                 | 68861        | 0                   | 2             | 206               | 2.51                         | 0.33                      | 54.01              | 31.27                      | 0.045133                        |
| 2024 | 3         | 2                 | 19392        | 0                   | 2             | 94                | 1.03                         | 0.28                      | 60                 | 33.55                      | 0.024630                        |
| 2024 | 3         | 2                 | 86573        | 0                   | 2             | 195               | 2.00                         | 0.46                      | 67.79              | 43.28                      | 0.034808                        |
| 2024 | 3         | 2                 | 68320        | 0                   | 2             | 42                | 1.25                         | 0.38                      | 60.46              | 33.26                      | 0.061404                        |
| 2024 | 3         | 2                 | 41026        | 0                   | 2             | 166               | 1.26                         | 0.36                      | 53.55              | 28.11                      | 0.031348                        |
| 2024 | 3         | 2                 | 73349        | 0                   | 2             | 274               | 1.96                         | 0.50                      | 43.42              | 34.95                      | 0.041848                        |
| 2024 | 3         | 2                 | 23500        | 0                   | 2             | 68                | 0.77                         | 0.17                      | 59.01              | 57.85                      | 0.028707                        |
| 2024 | 3         | 2                 | 5652         | 0                   | 2             | 96                | 1.41                         | 0.81                      | 61.28              | 43.10                      | 0.036315                        |
| 2024 | 3         | 2                 | 19355        | 0                   | 2             | 75                | 0.89                         | 0.36                      | 63.18              | 45.68                      | 0.023382                        |
| 2024 | 3         | 2                 | 17653        | 0                   | 2             | 241               | 1.96                         | 0.31                      | 60.49              | 36.80                      | 0.030357                        |
| 2024 | 3         | 2                 | 68745        | 0                   | 2             | 111               | 1.22                         | 0.49                      | 50.19              | 43.98                      | 0.053511                        |
| 2024 | 3         | 2                 | 25398        | 0                   | 2             | 117               | 1.08                         | 0.52                      | 46.08              | 44.25                      | 0.042831                        |
| 2024 | 3         | 2                 | 70473        | 0                   | 2             | 90                | 1.69                         | 0.32                      | 57.76              | 39.13                      | 0.043579                        |
| 2024 | 3         | 2                 | 73555        | 0                   | 2             | 35                | 1.83                         | 0.29                      | 79.41              | 53.98                      | 0.041862                        |
| 2024 | 3         | 2                 | 23001        | 2300102             | 2             | 183               | 2.25                         | 0.42                      | 50.32              | 25.93                      | 0.040894                        |
| 2024 | 3         | 2                 | 5647         | 0                   | 2             | 62                | 2.12                         | 0.34                      | 54.82              | 34.52                      | 0.036929                        |
| 2024 | 3         | 2                 | 25486        | 0                   | 2             | 150               | 1.61                         | 0.82                      | 48.73              | 34.35                      | 0.038716                        |
| 2024 | 3         | 2                 | 68524        | 0                   | 3             | 1224              | 18.80                        | 6.46                      | 31.76              | 8.75                       | 0.026970                        |
| 2024 | 3         | 2                 | 25183        | 0                   | 2             | 288               | 1.36                         | 0.74                      | 44.81              | 37.87                      | 0.046055                        |
| 2024 | 3         | 2                 | 5679         | 0                   | 2             | 162               | 1.93                         | 0.32                      | 52.81              | 46.57                      | 0.051444                        |
| 2024 | 3         | 2                 | 27615        | 0                   | 2             | 161               | 0.91                         | 0.42                      | 78.35              | 58.77                      | 0.018403                        |
| 2024 | 3         | 2                 | 17495        | 0                   | 2             | 80                | 1.44                         | 0.32                      | 69.70              | 46.93                      | 0.040712                        |
| 2024 | 3         | 2                 | 70702        | 0                   | 2             | 125               | 1.42                         | 0.29                      | 57.51              | 40.40                      | 0.086506                        |
| 2024 | 3         | 2                 | 19845        | 0                   | 2             | 221               | 1.67                         | 0.30                      | 52.45              | 38.40                      | 0.063527                        |
| 2024 | 3         | 2                 | 15542        | 0                   | 2             | 82                | 0.88                         | 0.56                      | 70.60              | 40.16                      | 0.019368                        |
| 2024 | 3         | 2                 | 5088         | 0508801             | 2             | 158               | 2.17                         | 0.34                      | 47.57              | 37.23                      | 0.050565                        |
| 2024 | 3         | 2                 | 41132        | 0                   | 2             | 170               | 1.03                         | 0.33                      | 66.65              | 50.86                      | 0.025789                        |
| 2024 | 3         | 2                 | 18205        | 0                   | 2             | 49                | 3.19                         | 0.40                      | 54.39              | 25.47                      | 0.108758                        |
| 2024 | 3         | 2                 | 52051        | 0                   | 2             | 57                | 1.88                         | 0.61                      | 58.84              | 29.70                      | 0.047806                        |
| 2024 | 3         | 2                 | 76400        | 0                   | 2             | 124               | 1.18                         | 0.31                      | 57.66              | 49.80                      | 0.048658                        |
| 2024 | 3         | 2                 | 15368        | 0                   | 2             | 44                | 1.47                         | 1.00                      | 51.83              | 35.87                      | 0.021961                        |
| 2024 | 3         | 2                 | 25530        | 0                   | 2             | 148               | 1.53                         | 0.80                      | 50.13              | 37.75                      | 0.031570                        |
| 2024 | 3         | 2                 | 85263        | 0                   | 2             | 115               | 1.38                         | 0.56                      | 52.25              | 44.95                      | 0.049622                        |
| 2024 | 3         | 2                 | 23068        | 0                   | 2             | 164               | 1.25                         | 0.33                      | 59.57              | 46.33                      | 0.040052                        |
| 2024 | 3         | 2                 | 73067        | 0                   | 2             | 42                | 1.76                         | 0.24                      | 56.67              | 46.03                      | 0.035744                        |
| 2024 | 3         | 2                 | 15580        | 0                   | 2             | 89                | 1.49                         | 0.53                      | 47.40              | 44.76                      | 0.028936                        |
| 2024 | 3         | 2                 | 5847         | 0                   | 2             | 92                | 1.03                         | 0.36                      | 54.95              | 42.49                      | 0.026923                        |
| 2024 | 3         | 2                 | 50124        | 0                   | 2             | 62                | 0.66                         | 0.47                      | 61.18              | 61                         | 0.042434                        |
| 2024 | 3         | 2                 | 73055        | 0                   | 2             | 255               | 1.78                         | 0.36                      | 52.33              | 43.34                      | 0.067531                        |
| 2024 | 3         | 2                 | 19318        | 0                   | 3             | 3047              | 10.17                        | 7.34                      | 46.44              | 12.64                      | 0.027533                        |
| 2024 | 3         | 2                 | 23815        | 0                   | 2             | 41                | 1.04                         | 0.67                      | 49.55              | 36.13                      | 0.021386                        |
| 2024 | 3         | 2                 | 73319        | 0                   | 2             | 212               | 1.59                         | 0.28                      | 51.48              | 33.64                      | 0.052120                        |
| 2024 | 3         | 2                 | 19142        | 0                   | 2             | 175               | 2.31                         | 0.31                      | 50.32              | 32.33                      | 0.041661                        |
| 2024 | 3         | 2                 | 52227        | 0                   | 2             | 150               | 2.10                         | 0.29                      | 56.57              | 36.23                      | 0.043716                        |
| 2024 | 3         | 2                 | 68720        | 0                   | 2             | 22                | 2.25                         | 0.39                      | 48.35              | 32.93                      | 0.021298                        |
| 2024 | 3         | 2                 | 5209         | 0                   | 2             | 105               | 0.81                         | 0.35                      | 58.91              | 41.53                      | 0.074508                        |
| 2024 | 3         | 2                 | 15755        | 0                   | 2             | 79                | 1.52                         | 0.91                      | 54.59              | 37.97                      | 0.032203                        |
| 2024 | 3         | 2                 | 5088         | 0508809             | 2             | 292               | 3.17                         | 0.36                      | 47.59              | 30.32                      | 0.046689                        |
| 2024 | 3         | 2                 | 52399        | 0                   | 2             | 232               | 1.73                         | 0.30                      | 64.57              | 39.06                      | 0.063525                        |
| 2024 | 3         | 2                 | 5885         | 0                   | 2             | 70                | 0.99                         | 0.29                      | 63.65              | 42.67                      | 0.065261                        |
| 2024 | 3         | 2                 | 52696        | 0                   | 3             | 1007              | 19.73                        | 9.75                      | 47.27              | 9.51                       | 0.020841                        |
| 2024 | 3         | 2                 | 68051        | 0                   | 2             | 126               | 2.68                         | 0.47                      | 45.84              | 34.04                      | 0.051756                        |
| 2024 | 3         | 2                 | 15162        | 0                   | 2             | 76                | 1.25                         | 0.86                      | 46.35              | 34.05                      | 0.025791                        |
| 2024 | 3         | 2                 | 76001        | 7600115             | 2             | 256               | 1.98                         | 0.33                      | 55.35              | 39.90                      | 0.047571                        |
| 2024 | 3         | 2                 | 25320        | 0                   | 2             | 609               | 1.39                         | 0.82                      | 47.35              | 45.38                      | 0.046295                        |
| 2024 | 3         | 2                 | 73001        | 7300112             | 2             | 296               | 2.01                         | 0.37                      | 41.56              | 37.30                      | 0.067930                        |
| 2024 | 3         | 2                 | 8675         | 0                   | 2             | 20                | 0.69                         | 0.33                      | 64.20              | 66.66                      | 0.027170                        |
| 2024 | 3         | 2                 | 73671        | 0                   | 2             | 95                | 1.74                         | 0.37                      | 48.14              | 34.78                      | 0.033131                        |
| 2024 | 3         | 2                 | 25489        | 0                   | 2             | 107               | 1.72                         | 0.81                      | 40.31              | 35.21                      | 0.027901                        |
| 2024 | 3         | 2                 | 25317        | 0                   | 2             | 198               | 1.26                         | 0.74                      | 47.82              | 46.95                      | 0.038666                        |
| 2024 | 3         | 2                 | 19100        | 0                   | 2             | 40                | 1.17                         | 0.62                      | 53.07              | 42.44                      | 0.035880                        |
| 2024 | 3         | 2                 | 13744        | 0                   | 2             | 30                | 1.90                         | 0.31                      | 74.04              | 44.42                      | 0.045518                        |
| 2024 | 3         | 2                 | 23079        | 0                   | 2             | 44                | 0.78                         | 0.25                      | 92.61              | 58.04                      | 0.050199                        |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIMESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COMUNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD_DESCARGA | INDICADOR_VELOCIDAD_CARGA | INDICADOR_LATENCIA | INDICADOR_FLUCTUACION_FASE | INDICADOR_TASA_PERDIDA_PAQUETES |
|------|-----------|-------------------|--------------|---------------------|---------------|-------------------|------------------------------|---------------------------|--------------------|----------------------------|---------------------------------|
| 2024 | 3         | 2                 | 5364         | 0                   | 2             | 139               | 1.08                         | 0.31                      | 72.70              | 44.20                      | 0.040808                        |
| 2024 | 3         | 2                 | 25483        | 0                   | 2             | 60                | 3.02                         | 0.56                      | 49.33              | 58.21                      | 0.032962                        |
| 2024 | 3         | 2                 | 20400        | 0                   | 2             | 384               | 2.16                         | 0.27                      | 59.28              | 34.96                      | 0.052951                        |
| 2024 | 3         | 2                 | 15480        | 0                   | 2             | 66                | 0.95                         | 0.77                      | 48.03              | 52.70                      | 0.029099                        |
| 2024 | 3         | 2                 | 23670        | 0                   | 2             | 24                | 0.79                         | 0.28                      | 50.81              | 40.56                      | 0.030584                        |
| 2024 | 3         | 2                 | 5736         | 0                   | 2             | 104               | 1.95                         | 0.29                      | 54.29              | 45.81                      | 0.050112                        |
| 2024 | 3         | 2                 | 5854         | 0                   | 2             | 155               | 1.86                         | 0.29                      | 50.50              | 39.11                      | 0.056334                        |
| 2024 | 3         | 2                 | 13074        | 0                   | 2             | 55                | 1.23                         | 0.28                      | 66.85              | 48.37                      | 0.024564                        |
| 2024 | 3         | 2                 | 70418        | 0                   | 2             | 73                | 1.67                         | 0.35                      | 52.01              | 29.09                      | 0.060471                        |
| 2024 | 3         | 2                 | 8549         | 0                   | 2             | 50                | 2.29                         | 0.36                      | 63.69              | 34.94                      | 0.046422                        |
| 2024 | 3         | 2                 | 5411         | 0                   | 2             | 108               | 2.22                         | 0.84                      | 50.76              | 24.84                      | 0.018241                        |
| 2024 | 3         | 2                 | 13657        | 0                   | 2             | 169               | 1.80                         | 0.30                      | 57.37              | 46.27                      | 0.044357                        |
| 2024 | 3         | 2                 | 66318        | 0                   | 2             | 53                | 2.30                         | 0.33                      | 58.59              | 27.75                      | 0.059323                        |
| 2024 | 3         | 2                 | 25312        | 0                   | 2             | 253               | 2.44                         | 1.04                      | 41.51              | 28.71                      | 0.073779                        |
| 2024 | 3         | 2                 | 19807        | 0                   | 2             | 140               | 1.75                         | 0.30                      | 49.49              | 35.34                      | 0.071009                        |
| 2024 | 3         | 2                 | 25754        | 2575404             | 2             | 266               | 2.31                         | 0.57                      | 37.04              | 29.46                      | 0.046926                        |
| 2024 | 3         | 2                 | 25328        | 0                   | 2             | 46                | 1.42                         | 0.71                      | 49.59              | 34.80                      | 0.062313                        |
| 2024 | 3         | 2                 | 15897        | 0                   | 2             | 73                | 1.32                         | 0.76                      | 45.17              | 39.77                      | 0.035051                        |
| 2024 | 3         | 2                 | 50711        | 0                   | 2             | 100               | 1.07                         | 0.71                      | 55.95              | 44.53                      | 0.023547                        |
| 2024 | 3         | 2                 | 5756         | 0                   | 2             | 178               | 1.23                         | 0.28                      | 65.28              | 47.27                      | 0.041752                        |
| 2024 | 3         | 2                 | 85430        | 0                   | 2             | 97                | 2.12                         | 0.40                      | 61.32              | 58.93                      | 0.047000                        |
| 2024 | 3         | 2                 | 25407        | 0                   | 2             | 72                | 0.65                         | 0.65                      | 54.45              | 46.14                      | 0.034091                        |
| 2024 | 3         | 2                 | 20614        | 0                   | 2             | 98                | 2.15                         | 0.33                      | 66.40              | 42.41                      | 0.049743                        |
| 2024 | 3         | 2                 | 8520         | 0                   | 2             | 117               | 1.76                         | 0.28                      | 52.22              | 46.62                      | 0.048834                        |
| 2024 | 3         | 2                 | 47030        | 0                   | 3             | 2877              | 17.07                        | 6.30                      | 34.46              | 11.91                      | 0.030635                        |
| 2024 | 3         | 2                 | 8685         | 0                   | 2             | 87                | 3.10                         | 0.30                      | 49.05              | 40.05                      | 0.058892                        |
| 2024 | 3         | 2                 | 15600        | 0                   | 2             | 164               | 1.39                         | 0.80                      | 48.17              | 33.01                      | 0.049530                        |
| 2024 | 3         | 2                 | 5088         | 0508806             | 2             | 495               | 1.73                         | 0.31                      | 47.61              | 32.58                      | 0.042617                        |
| 2024 | 3         | 2                 | 20621        | 0                   | 2             | 255               | 1.29                         | 0.36                      | 55.14              | 35.49                      | 0.042746                        |
| 2024 | 3         | 2                 | 70110        | 0                   | 2             | 147               | 1.67                         | 0.39                      | 52.51              | 38.94                      | 0.013437                        |
| 2024 | 3         | 2                 | 86760        | 0                   | 2             | 112               | 1.69                         | 0.80                      | 58.06              | 37.54                      | 0.031929                        |
| 2024 | 3         | 2                 | 19318        | 0                   | 2             | 42                | 1.84                         | 0.41                      | 57.18              | 34.81                      | 0.063718                        |
| 2024 | 3         | 2                 | 68211        | 0                   | 2             | 48                | 1.29                         | 0.40                      | 58.47              | 24.27                      | 0.087770                        |
| 2024 | 3         | 2                 | 73001        | 7300113             | 2             | 228               | 2.34                         | 0.37                      | 42.94              | 33.23                      | 0.049735                        |
| 2024 | 3         | 2                 | 25148        | 0                   | 2             | 240               | 1.76                         | 0.63                      | 44.62              | 42.58                      | 0.044669                        |
| 2024 | 3         | 2                 | 23464        | 0                   | 2             | 131               | 0.75                         | 0.31                      | 60.33              | 40.38                      | 0.015020                        |
| 2024 | 3         | 2                 | 8433         | 0                   | 2             | 458               | 2.27                         | 0.31                      | 46.92              | 32.66                      | 0.050812                        |
| 2024 | 3         | 2                 | 52250        | 0                   | 2             | 53                | 1.13                         | 0.29                      | 69                 | 38.68                      | 0.041357                        |
| 2024 | 3         | 2                 | 18592        | 0                   | 2             | 97                | 2.01                         | 0.35                      | 60.00              | 33.72                      | 0.038506                        |
| 2024 | 3         | 2                 | 20443        | 0                   | 2             | 44                | 0.40                         | 0.36                      | 62.28              | 47.88                      | 0.014045                        |
| 2024 | 3         | 2                 | 5034         | 0                   | 2             | 229               | 0.77                         | 0.33                      | 66.03              | 48.71                      | 0.047122                        |
| 2024 | 3         | 2                 | 41006        | 0                   | 2             | 74                | 1.13                         | 0.32                      | 59.42              | 46.25                      | 0.034073                        |
| 2024 | 3         | 2                 | 17616        | 0                   | 2             | 86                | 1.00                         | 0.31                      | 58.24              | 38.86                      | 0.045719                        |
| 2024 | 3         | 2                 | 27205        | 0                   | 2             | 59                | 0.71                         | 0.33                      | 61.20              | 33.55                      | 0.013794                        |
| 2024 | 3         | 2                 | 13440        | 0                   | 3             | 540               | 10.08                        | 1.73                      | 47.07              | 21.68                      | 0.042602                        |
| 2024 | 3         | 2                 | 27075        | 0                   | 2             | 39                | 1.09                         | 0.41                      | 74.92              | 36.53                      | 0.031590                        |
| 2024 | 3         | 2                 | 17513        | 0                   | 2             | 51                | 1.85                         | 0.34                      | 59.80              | 23.59                      | 0.075899                        |
| 2024 | 3         | 2                 | 44378        | 0                   | 2             | 66                | 0.97                         | 0.30                      | 68.62              | 43.77                      | 0.054541                        |
| 2024 | 3         | 2                 | 47030        | 0                   | 2             | 112               | 1.09                         | 0.33                      | 51.59              | 38.35                      | 0.032785                        |
| 2024 | 3         | 2                 | 17050        | 0                   | 2             | 151               | 2.47                         | 0.34                      | 60.46              | 24.63                      | 0.018778                        |
| 2024 | 3         | 2                 | 52258        | 0                   | 2             | 52                | 0.88                         | 0.44                      | 60.69              | 51.36                      | 0.051583                        |
| 2024 | 3         | 2                 | 5425         | 0                   | 2             | 171               | 1.04                         | 0.37                      | 58.78              | 40.16                      | 0.049783                        |
| 2024 | 3         | 2                 | 52381        | 0                   | 2             | 135               | 2.66                         | 0.96                      | 49.83              | 21.82                      | 0.044148                        |
| 2024 | 3         | 2                 | 18247        | 0                   | 2             | 68                | 2.42                         | 0.43                      | 57.86              | 23.85                      | 0.053239                        |
| 2024 | 3         | 2                 | 25154        | 0                   | 2             | 97                | 0.59                         | 0.73                      | 50.76              | 34.18                      | 0.020353                        |
| 2024 | 3         | 2                 | 41807        | 0                   | 2             | 61                | 1.49                         | 0.42                      | 59.51              | 46.90                      | 0.031308                        |
| 2024 | 3         | 2                 | 20238        | 0                   | 2             | 244               | 1.70                         | 0.28                      | 51.98              | 38.55                      | 0.030309                        |
| 2024 | 3         | 2                 | 54003        | 0                   | 2             | 184               | 0.75                         | 0.38                      | 56.72              | 42.07                      | 0.066466                        |
| 2024 | 3         | 2                 | 13894        | 0                   | 2             | 49                | 1.37                         | 0.32                      | 66.58              | 38.56                      | 0.049384                        |
| 2024 | 3         | 2                 | 70678        | 0                   | 2             | 56                | 1.66                         | 0.31                      | 53.46              | 35.49                      | 0.036861                        |
| 2024 | 3         | 2                 | 73547        | 0                   | 2             | 117               | 1.42                         | 0.32                      | 47.99              | 27.06                      | 0.049246                        |
| 2024 | 3         | 2                 | 66088        | 0                   | 2             | 269               | 1.71                         | 0.33                      | 57.80              | 32.96                      | 0.037137                        |
| 2024 | 3         | 2                 | 5313         | 0                   | 2             | 94                | 0.75                         | 0.48                      | 62.21              | 47.89                      | 0.035870                        |
| 2024 | 3         | 2                 | 5576         | 0                   | 2             | 66                | 1.23                         | 0.31                      | 59.47              | 34.22                      | 0.023289                        |
| 2024 | 3         | 2                 | 81065        | 0                   | 2             | 170               | 1.04                         | 0.33                      | 69.56              | 54.62                      | 0.030527                        |
| 2024 | 3         | 2                 | 15667        | 0                   | 2             | 139               | 4.17                         | 0.90                      | 42.17              | 27.39                      | 0.017653                        |
| 2024 | 3         | 2                 | 5051         | 0                   | 2             | 105               | 1.15                         | 0.27                      | 58.46              | 38.07                      | 0.029204                        |
| 2024 | 3         | 2                 | 15518        | 0                   | 2             | 85                | 1.63                         | 0.71                      | 52.30              | 35.17                      | 0.037450                        |
| 2024 | 3         | 2                 | 68418        | 0                   | 2             | 172               | 2.00                         | 0.30                      | 48.70              | 46.10                      | 0.051868                        |
| 2024 | 3         | 2                 | 68167        | 0                   | 2             | 120               | 1.11                         | 0.32                      | 57.93              | 42.60                      | 0.029195                        |
| 2024 | 3         | 2                 | 41244        | 0                   | 2             | 47                | 1.42                         | 0.35                      | 54                 | 18.76                      | 0.028119                        |
| 2024 | 3         | 2                 | 15466        | 0                   | 2             | 36                | 1.64                         | 0.86                      | 43.32              | 36.17                      | 0.054448                        |
| 2024 | 3         | 2                 | 86219        | 0                   | 2             | 109               | 1.24                         | 0.59                      | 62.30              | 42.64                      | 0.070409                        |
| 2024 | 3         | 2                 | 8634         | 0                   | 2             | 93                | 1.40                         | 0.25                      | 55.75              | 52.09                      | 0.078711                        |
| 2024 | 3         | 2                 | 44560        | 0                   | 2             | 106               | 1.43                         | 0.55                      | 63.08              | 40.24                      | 0.037745                        |
| 2024 | 3         | 2                 | 17272        | 0                   | 2             | 181               | 1.78                         | 0.34                      | 62.75              | 27.73                      | 0.060962                        |
| 2024 | 3         | 2                 | 15814        | 0                   | 2             | 143               | 1.48                         | 1.07                      | 53.35              | 35.77                      | 0.022962                        |
| 2024 | 3         | 2                 | 15244        | 0                   | 2             | 72                | 1.03                         | 0.79                      | 57.71              | 43.07                      | 0.019216                        |
| 2024 | 3         | 2                 | 15293        | 0                   | 2             | 45                | 3.11                         | 0.77                      | 41.77              | 22.97                      | 0.029969                        |
| 2024 | 3         | 2                 | 23586        | 0                   | 2             | 26                | 1.01                         | 0.68                      | 50.09              | 40.23                      | 0.049526                        |
| 2024 | 3         | 2                 | 13780        | 0                   | 2             | 45                | 1.33                         | 0.42                      | 64.66              | 47.76                      | 0.077333                        |
| 2024 | 3         | 2                 | 68689        | 0                   | 2             | 87                | 0.94                         | 0.26                      | 59.20              | 43.16                      | 0.048749                        |
| 2024 | 3         | 2                 | 5306         | 0                   | 2             | 125               | 2.33                         | 0.91                      | 48.04              | 29.28                      | 0.027789                        |
| 2024 | 3         | 2                 | 68669        | 0                   | 2             | 139               | 1.34                         | 0.56                      | 53.69              | 47.06                      | 0.019351                        |
| 2024 | 3         | 2                 | 5093         | 0                   | 2             | 100               | 1.53                         | 0.79                      | 52.09              | 34.45                      | 0.030332                        |
| 2024 | 3         | 2                 | 5660         | 0                   | 2             | 185               | 2.45                         | 0.52                      | 56.72              | 43.55                      | 0.047320                        |
| 2024 | 3         | 2                 | 47318        | 0                   | 2             | 42                | 0.49                         | 0.30                      | 68.82              | 59.98                      | 0.065044                        |
| 2024 | 3         | 2                 | 70508        | 0                   | 2             | 57                | 1.06                         | 0.31                      | 59.63              | 56.58                      | 0.056660                        |
| 2024 | 3         | 2                 | 47268        | 0                   | 2             | 81                | 1.10                         | 0.34                      | 49.87              | 42.95                      | 0.062980                        |
| 2024 | 3         | 2                 | 54660        | 0                   | 2             | 106               | 1.32                         | 0.27                      | 56.82              | 45.96                      | 0.025137                        |
| 2024 | 3         | 2                 | 15632        | 0                   | 2             | 67                | 1.28                         | 0.68                      | 58.13              | 63.33                      | 0.043293                        |
| 2024 | 3         | 2                 | 47551        | 0                   | 2             | 117               | 1.79                         | 0.24                      | 51.40              | 37.81                      | 0.077350                        |
| 2024 | 3         | 2                 | 13433        | 0                   | 2             | 233               | 0.91                         | 0.27                      | 61.26              | 52.71                      | 0.035950                        |
| 2024 | 3         | 2                 | 15047        | 0                   | 2             | 131               | 1.00                         | 1.04                      | 46.30              | 36.74                      | 0.035082                        |
| 2024 | 3         | 2                 | 47545        | 0                   | 2             | 102               | 0.98                         | 0.38                      | 57.05              | 32.55                      | 0.009980                        |
| 2024 | 3         | 2                 | 47460        | 0                   | 2             | 98                | 0.95                         | 0.33                      | 72.64              | 42.03                      | 0.057857                        |
| 2024 | 3         | 2                 | 68235        | 0                   | 2             | 148               | 0.57                         | 0.32                      | 61.06              | 40.74                      | 0.031198                        |
| 2024 | 3         | 2                 | 5591         | 0                   | 2             | 188               | 1.56                         | 0.27                      | 61.08              | 47.35                      | 0.038905                        |
| 2024 | 3         | 2                 | 20032        | 0                   | 2             | 96                | 1.21                         | 0.28                      | 57.62              | 56.69                      | 0.043855                        |
| 2024 | 3         | 2                 | 54051        | 0                   | 2             | 57                | 0.59                         | 0.27                      | 55.52              | 37.99                      | 0.029397                        |
| 2024 | 3         | 2                 | 47745        | 0                   | 2             | 149               | 1.74                         | 0.29                      | 47.42              | 39.90                      | 0.069457                        |
| 2024 | 3         | 2                 | 41503        | 0                   | 2             | 56                | 1.17                         | 0.19                      | 62.24              | 60.34                      | 0.032165                        |
| 2024 | 3         | 2                 | 68229        | 0                   | 2             | 85                | 2.36                         | 0.34                      | 48.58              | 28.36                      | 0.041611                        |
| 2024 | 3         | 2                 | 47058        | 0                   | 2             | 186               | 0.97                         | 0.34                      | 50.31              | 41.82                      | 0.043358                        |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIMESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COMUNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD_DESCARGA | INDICADOR_VELOCIDAD_CARGA | INDICADOR_LATENCIA | INDICADOR_FLUCTUACION_FASE | INDICADOR_TASA_PERDIDA_PAQUETES |
|------|-----------|-------------------|--------------|---------------------|---------------|-------------------|------------------------------|---------------------------|--------------------|----------------------------|---------------------------------|
| 2024 | 3         | 2                 | 52560        | 0                   | 2             | 52                | 1.76                         | 0.42                      | 57.45              | 39.57                      | 0.025146                        |
| 2024 | 3         | 2                 | 41306        | 0                   | 2             | 138               | 1.56                         | 0.33                      | 59.86              | 44.71                      | 0.061325                        |
| 2024 | 3         | 2                 | 85225        | 0                   | 2             | 167               | 0.96                         | 0.37                      | 55.44              | 48.27                      | 0.025501                        |
| 2024 | 3         | 2                 | 5659         | 0                   | 2             | 113               | 1.51                         | 0.45                      | 66.73              | 32.72                      | 0.042699                        |
| 2024 | 3         | 2                 | 17486        | 0                   | 2             | 302               | 1.39                         | 0.28                      | 61.13              | 35.43                      | 0.036913                        |
| 2024 | 3         | 2                 | 18756        | 0                   | 2             | 71                | 1.28                         | 0.23                      | 68.56              | 55.22                      | 0.026718                        |
| 2024 | 3         | 2                 | 25299        | 0                   | 2             | 74                | 0.81                         | 0.59                      | 59.92              | 45.84                      | 0.027684                        |
| 2024 | 3         | 2                 | 15837        | 0                   | 2             | 141               | 0.87                         | 0.74                      | 50.21              | 39.42                      | 0.046932                        |
| 2024 | 3         | 2                 | 8421         | 0                   | 2             | 156               | 1.34                         | 0.32                      | 62.26              | 36.79                      | 0.034783                        |
| 2024 | 3         | 2                 | 19743        | 0                   | 2             | 62                | 2.75                         | 0.38                      | 55.32              | 47.40                      | 0.042090                        |
| 2024 | 3         | 2                 | 70742        | 0                   | 2             | 86                | 1.57                         | 0.32                      | 58.61              | 35.72                      | 0.046974                        |
| 2024 | 3         | 2                 | 68013        | 0                   | 3             | 783               | 60.48                        | 12.54                     | 32.24              | 8.50                       | 0.017311                        |
| 2024 | 3         | 2                 | 76126        | 0                   | 2             | 236               | 2.34                         | 0.28                      | 56.57              | 36.91                      | 0.058526                        |
| 2024 | 3         | 2                 | 23419        | 0                   | 2             | 47                | 0.65                         | 0.38                      | 73.45              | 62.70                      | 0.062258                        |
| 2024 | 3         | 2                 | 5101         | 0                   | 2             | 168               | 0.99                         | 0.32                      | 54                 | 39.23                      | 0.041549                        |
| 2024 | 3         | 2                 | 50110        | 0                   | 2             | 115               | 1.47                         | 0.96                      | 49.53              | 37.45                      | 0.045308                        |
| 2024 | 3         | 2                 | 25873        | 0                   | 2             | 121               | 1.11                         | 0.88                      | 46.48              | 44.45                      | 0.055961                        |
| 2024 | 3         | 2                 | 41660        | 0                   | 2             | 28                | 1.72                         | 0.27                      | 52.03              | 45.04                      | 0.013933                        |
| 2024 | 3         | 2                 | 20383        | 0                   | 2             | 219               | 1.74                         | 0.29                      | 66.95              | 40.44                      | 0.046739                        |
| 2024 | 3         | 2                 | 68432        | 0                   | 2             | 210               | 1.13                         | 0.38                      | 55.75              | 39.60                      | 0.036344                        |
| 2024 | 3         | 2                 | 41359        | 0                   | 2             | 74                | 2.10                         | 0.41                      | 57.92              | 37.90                      | 0.060212                        |
| 2024 | 3         | 2                 | 47541        | 0                   | 2             | 30                | 1.01                         | 0.26                      | 61.92              | 29.97                      | 0.042940                        |
| 2024 | 3         | 2                 | 13670        | 0                   | 2             | 60                | 1.71                         | 0.30                      | 59.26              | 31.16                      | 0.069190                        |
| 2024 | 3         | 2                 | 23855        | 0                   | 2             | 152               | 0.73                         | 0.33                      | 58.57              | 43.81                      | 0.037833                        |
| 2024 | 3         | 2                 | 8137         | 0                   | 2             | 52                | 1.12                         | 0.26                      | 54.46              | 36.66                      | 0.055886                        |
| 2024 | 3         | 2                 | 52378        | 0                   | 2             | 56                | 1.44                         | 0.28                      | 63.58              | 50.82                      | 0.057373                        |
| 2024 | 3         | 2                 | 17442        | 0                   | 2             | 73                | 1.43                         | 0.33                      | 63.08              | 35.07                      | 0.072782                        |
| 2024 | 3         | 2                 | 68020        | 0                   | 2             | 26                | 0.47                         | 0.21                      | 69                 | 61.28                      | 0.008936                        |
| 2024 | 3         | 2                 | 15092        | 0                   | 2             | 32                | 3.98                         | 1.53                      | 45.27              | 51.74                      | 0.002834                        |
| 2024 | 3         | 2                 | 47288        | 0                   | 2             | 251               | 1.51                         | 0.32                      | 49.67              | 34.64                      | 0.064295                        |
| 2024 | 3         | 2                 | 54206        | 0                   | 2             | 128               | 0.92                         | 0.88                      | 69.65              | 52.99                      | 0.015495                        |
| 2024 | 3         | 2                 | 54520        | 0                   | 2             | 109               | 2.57                         | 0.80                      | 48.27              | 32.34                      | 0.038540                        |
| 2024 | 3         | 2                 | 15226        | 0                   | 2             | 22                | 1.77                         | 0.62                      | 48.64              | 55.46                      | 0.041319                        |
| 2024 | 3         | 2                 | 15839        | 0                   | 2             | 56                | 1.08                         | 0.71                      | 50.87              | 58.70                      | 0.028139                        |
| 2024 | 3         | 2                 | 68368        | 0                   | 2             | 22                | 0.60                         | 0.28                      | 62.13              | 59.43                      | 0.014780                        |
| 2024 | 3         | 2                 | 19290        | 0                   | 2             | 40                | 3.36                         | 0.31                      | 60.24              | 35.70                      | 0.034030                        |
| 2024 | 3         | 2                 | 5467         | 0                   | 2             | 34                | 1.48                         | 0.36                      | 56.23              | 37.52                      | 0.068323                        |
| 2024 | 3         | 2                 | 73675        | 0                   | 2             | 88                | 0.50                         | 0.27                      | 54.60              | 42.10                      | 0.011600                        |
| 2024 | 3         | 2                 | 52573        | 0                   | 2             | 77                | 0.74                         | 0.23                      | 64.44              | 45.05                      | 0.042443                        |
| 2024 | 3         | 2                 | 5310         | 0                   | 2             | 42                | 1.65                         | 0.58                      | 55.51              | 42.08                      | 0.029138                        |
| 2024 | 3         | 2                 | 73200        | 0                   | 2             | 150               | 2.64                         | 0.38                      | 44.92              | 26.38                      | 0.058526                        |
| 2024 | 3         | 2                 | 15476        | 0                   | 2             | 46                | 1.52                         | 0.82                      | 45.81              | 36.44                      | 0.045596                        |
| 2024 | 3         | 2                 | 41349        | 0                   | 2             | 80                | 1.33                         | 0.59                      | 59.72              | 40.37                      | 0.039850                        |
| 2024 | 3         | 2                 | 52260        | 0                   | 2             | 43                | 0.80                         | 0.18                      | 61.12              | 52.45                      | 0.021009                        |
| 2024 | 3         | 2                 | 54398        | 0                   | 2             | 54                | 0.42                         | 1.15                      | 60.74              | 44.80                      | 0.029061                        |
| 2024 | 3         | 2                 | 5856         | 0                   | 2             | 56                | 1.43                         | 0.32                      | 58.80              | 46.62                      | 0.060519                        |
| 2024 | 3         | 2                 | 41770        | 0                   | 2             | 59                | 1.46                         | 0.29                      | 60.65              | 35.46                      | 0.006759                        |
| 2024 | 3         | 2                 | 13838        | 0                   | 2             | 92                | 1.37                         | 0.30                      | 53.02              | 34.85                      | 0.036015                        |
| 2024 | 3         | 2                 | 15204        | 0                   | 2             | 192               | 2.23                         | 0.82                      | 44.59              | 32.77                      | 0.061384                        |
| 2024 | 3         | 2                 | 86757        | 0                   | 2             | 79                | 1.19                         | 0.60                      | 63.32              | 48.92                      | 0.023360                        |
| 2024 | 3         | 2                 | 19022        | 0                   | 2             | 28                | 1.26                         | 0.65                      | 53.64              | 44.86                      | 0.040427                        |
| 2024 | 3         | 2                 | 68298        | 0                   | 2             | 46                | 1.52                         | 0.70                      | 58.98              | 49.88                      | 0.086364                        |
| 2024 | 3         | 2                 | 5541         | 0                   | 2             | 158               | 0.67                         | 0.32                      | 54.69              | 43.70                      | 0.043565                        |
| 2024 | 3         | 2                 | 25662        | 0                   | 2             | 163               | 2.41                         | 0.75                      | 43.25              | 35.53                      | 0.048735                        |
| 2024 | 3         | 2                 | 52678        | 0                   | 2             | 101               | 1.73                         | 0.28                      | 58.17              | 30.88                      | 0.076848                        |
| 2024 | 3         | 2                 | 25805        | 0                   | 2             | 56                | 1.67                         | 0.71                      | 40.89              | 30.62                      | 0.019540                        |
| 2024 | 3         | 2                 | 25279        | 0                   | 2             | 49                | 0.73                         | 0.61                      | 46.51              | 32.53                      | 0.032627                        |
| 2024 | 3         | 2                 | 13683        | 0                   | 2             | 69                | 1.10                         | 0.66                      | 58.43              | 38.69                      | 0.048232                        |
| 2024 | 3         | 2                 | 15514        | 0                   | 2             | 124               | 2.48                         | 0.93                      | 47.52              | 36.18                      | 0.078948                        |
| 2024 | 3         | 2                 | 5190         | 0                   | 2             | 86                | 0.90                         | 0.83                      | 57.53              | 50.02                      | 0.024923                        |
| 2024 | 3         | 2                 | 13442        | 0                   | 2             | 100               | 1.73                         | 0.32                      | 60.67              | 36.36                      | 0.045490                        |
| 2024 | 3         | 2                 | 15464        | 0                   | 2             | 12                | 0.75                         | 0.93                      | 46.69              | 31.54                      | 0.004000                        |
| 2024 | 3         | 2                 | 13188        | 0                   | 2             | 61                | 0.82                         | 0.25                      | 75.54              | 54.65                      | 0.050221                        |
| 2024 | 3         | 2                 | 13140        | 0                   | 2             | 102               | 1.39                         | 0.39                      | 60.67              | 35.27                      | 0.040999                        |
| 2024 | 3         | 2                 | 47053        | 0                   | 2             | 125               | 1.25                         | 0.30                      | 51.41              | 38.11                      | 0.058796                        |
| 2024 | 3         | 2                 | 76243        | 0                   | 2             | 37                | 1.33                         | 0.30                      | 60.82              | 45.99                      | 0.019650                        |
| 2024 | 3         | 2                 | 25339        | 0                   | 3             | 1160              | 10.52                        | 8.08                      | 35.18              | 10.73                      | 0.040210                        |
| 2024 | 3         | 2                 | 23672        | 0                   | 2             | 263               | 1.69                         | 0.29                      | 55.31              | 47.43                      | 0.041069                        |
| 2024 | 3         | 2                 | 52354        | 0                   | 2             | 210               | 1.16                         | 0.44                      | 58.50              | 38.57                      | 0.035865                        |
| 2024 | 3         | 2                 | 66687        | 0                   | 2             | 47                | 1.40                         | 0.25                      | 60.81              | 42.17                      | 0.054733                        |
| 2024 | 3         | 2                 | 19532        | 0                   | 2             | 213               | 1.50                         | 0.26                      | 57.22              | 44.01                      | 0.045280                        |
| 2024 | 3         | 2                 | 13160        | 0                   | 2             | 53                | 1.88                         | 0.29                      | 60.02              | 42.45                      | 0.061007                        |
| 2024 | 3         | 2                 | 20787        | 0                   | 2             | 90                | 1.00                         | 0.21                      | 65.46              | 49.47                      | 0.034732                        |
| 2024 | 3         | 2                 | 5792         | 0                   | 2             | 92                | 0.59                         | 0.60                      | 54.03              | 49.50                      | 0.036516                        |
| 2024 | 3         | 2                 | 17444        | 0                   | 2             | 90                | 1.34                         | 0.35                      | 61.88              | 35.45                      | 0.042157                        |
| 2024 | 3         | 2                 | 54099        | 0                   | 2             | 63                | 1.26                         | 0.38                      | 55.52              | 64.24                      | 0.026569                        |
| 2024 | 3         | 2                 | 18410        | 0                   | 2             | 69                | 1.44                         | 0.27                      | 67.30              | 44.84                      | 0.054805                        |
| 2024 | 3         | 2                 | 25120        | 0                   | 2             | 91                | 0.91                         | 0.40                      | 54.48              | 39.70                      | 0.022217                        |
| 2024 | 3         | 2                 | 68344        | 0                   | 2             | 29                | 3.11                         | 0.83                      | 43.80              | 25.75                      | 0.031135                        |
| 2024 | 3         | 2                 | 50450        | 0                   | 2             | 45                | 0.58                         | 0.54                      | 61.24              | 57.55                      | 0.015097                        |
| 2024 | 3         | 2                 | 15757        | 0                   | 2             | 107               | 0.67                         | 0.76                      | 52.17              | 50.86                      | 0.035073                        |
| 2024 | 3         | 2                 | 50330        | 0                   | 2             | 87                | 1.09                         | 0.54                      | 59.62              | 50.30                      | 0.035987                        |
| 2024 | 3         | 2                 | 13440        | 0                   | 2             | 53                | 1.55                         | 0.30                      | 57.04              | 38.21                      | 0.058075                        |
| 2024 | 3         | 2                 | 99524        | 0                   | 2             | 47                | 0.56                         | 0.48                      | 83.44              | 79.35                      | 0.057304                        |
| 2024 | 3         | 2                 | 25086        | 0                   | 2             | 37                | 2.95                         | 1.06                      | 45.58              | 22.97                      | 0.035732                        |
| 2024 | 3         | 2                 | 66456        | 0                   | 2             | 74                | 0.95                         | 0.38                      | 60.38              | 34.20                      | 0.060246                        |
| 2024 | 3         | 2                 | 47703        | 0                   | 2             | 21                | 0.53                         | 0.22                      | 64.81              | 55.95                      | 0.042074                        |
| 2024 | 3         | 2                 | 15248        | 0                   | 2             | 27                | 1.06                         | 0.63                      | 72.64              | 64.88                      | 0.031508                        |
| 2024 | 3         | 2                 | 20310        | 0                   | 2             | 4                 | 0.97                         | 0.50                      | 78.93              | 75.80                      | 0.008000                        |
| 2024 | 3         | 2                 | 54223        | 0                   | 2             | 47                | 0.72                         | 0.30                      | 57.18              | 37.82                      | 0.056571                        |
| 2024 | 3         | 2                 | 13650        | 0                   | 2             | 66                | 1.64                         | 0.26                      | 63.46              | 58.95                      | 0.029615                        |
| 2024 | 3         | 2                 | 54385        | 0                   | 2             | 104               | 1.65                         | 0.47                      | 55.43              | 41.62                      | 0.035377                        |
| 2024 | 3         | 2                 | 54480        | 0                   | 2             | 57                | 1.16                         | 0.61                      | 62.39              | 46.84                      | 0.055579                        |
| 2024 | 3         | 2                 | 73504        | 0                   | 2             | 75                | 1.16                         | 0.31                      | 51.60              | 50.39                      | 0.074265                        |
| 2024 | 3         | 2                 | 25438        | 0                   | 2             | 134               | 1.08                         | 1.06                      | 50.97              | 42.50                      | 0.029444                        |
| 2024 | 3         | 2                 | 50223        | 0                   | 2             | 139               | 1.45                         | 0.52                      | 49.64              | 41.23                      | 0.040828                        |
| 2024 | 3         | 2                 | 68498        | 0                   | 2             | 57                | 0.78                         | 0.34                      | 53.38              | 36.67                      | 0.012552                        |
| 2024 | 3         | 2                 | 8141         | 0                   | 2             | 39                | 1.28                         | 0.34                      | 50.36              | 31.12                      | 0.054274                        |
| 2024 | 3         | 2                 | 17665        | 0                   | 2             | 91                | 1.45                         | 0.35                      | 60.16              | 32.18                      | 0.026191                        |
| 2024 | 3         | 2                 | 13473        | 0                   | 2             | 47                | 1.95                         | 0.33                      | 82.01              | 34.47                      | 0.063867                        |
| 2024 | 3         | 2                 | 52490        | 0                   | 2             | 31                | 0.52                         | 0.69                      | 62.97              | 35.94                      | 0.021075                        |
| 2024 | 3         | 2                 | 5321         | 0                   | 2             | 107               | 1.66                         | 0.84                      | 49.31              | 35.43                      | 0.033422                        |
| 2024 | 3         | 2                 | 85400        | 0                   | 2             | 33                | 1.22                         | 0.31                      | 58.13              | 37.88                      | 0.022449                        |
| 2024 | 3         | 2                 | 73520        | 0                   | 2             | 86                | 1.04                         | 0.36                      | 48.19              | 35.81                      | 0.024274                        |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIMESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COMUNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD_DESCARGA | INDICADOR_VELOCIDAD_AD_CARGA | INDICADOR_LATENCIA | INDICADOR_FLUCTUACION_FASE | INDICADOR_TASA_PERDIDA_PAQUETES |
|------|-----------|-------------------|--------------|---------------------|---------------|-------------------|------------------------------|------------------------------|--------------------|----------------------------|---------------------------------|
| 2024 | 3         | 2                 | 13006        | 0                   | 2             | 15                | 0.91                         | 0.38                         | 60.50              | 26.65                      | 0.018654                        |
| 2024 | 3         | 2                 | 47170        | 0                   | 2             | 45                | 1.84                         | 0.40                         | 68.51              | 20.20                      | 0.094476                        |
| 2024 | 3         | 2                 | 73770        | 0                   | 2             | 87                | 2.05                         | 0.61                         | 42.38              | 24.75                      | 0.049244                        |
| 2024 | 3         | 2                 | 15223        | 0                   | 2             | 46                | 0.58                         | 0.65                         | 64.76              | 64.18                      | 0.034283                        |
| 2024 | 3         | 2                 | 15686        | 0                   | 2             | 89                | 0.73                         | 0.79                         | 61.89              | 49.88                      | 0.051141                        |
| 2024 | 3         | 2                 | 52621        | 0                   | 2             | 5                 | 0.25                         | 0.26                         | 61.63              | 42.50                      | 0.008890                        |
| 2024 | 3         | 2                 | 25594        | 0                   | 2             | 184               | 0.84                         | 0.76                         | 61.87              | 48.28                      | 0.050845                        |
| 2024 | 3         | 2                 | 27006        | 0                   | 2             | 83                | 1.39                         | 0.30                         | 76.69              | 40.30                      | 0.078651                        |
| 2024 | 3         | 2                 | 13688        | 0                   | 2             | 107               | 1.55                         | 0.29                         | 76.54              | 52.91                      | 0.024054                        |
| 2024 | 3         | 2                 | 5361         | 0                   | 2             | 21                | 2.05                         | 0.29                         | 57.29              | 57.52                      | 0.041734                        |
| 2024 | 3         | 2                 | 17777        | 0                   | 2             | 104               | 0.72                         | 0.29                         | 61.60              | 43.76                      | 0.062093                        |
| 2024 | 3         | 2                 | 85300        | 0                   | 2             | 63                | 1.69                         | 0.43                         | 78.35              | 46.91                      | 0.053105                        |
| 2024 | 3         | 2                 | 27491        | 0                   | 2             | 20                | 0.90                         | 0.62                         | 56.08              | 29.79                      | 0.015329                        |
| 2024 | 3         | 2                 | 73678        | 0                   | 2             | 199               | 3.20                         | 0.47                         | 44.54              | 29.19                      | 0.029195                        |
| 2024 | 3         | 2                 | 5543         | 0                   | 2             | 21                | 0.45                         | 0.55                         | 54                 | 64                         | 0.002161                        |
| 2024 | 3         | 2                 | 70204        | 0                   | 2             | 23                | 1.53                         | 0.25                         | 52.42              | 36.46                      | 0.028982                        |
| 2024 | 3         | 2                 | 15106        | 0                   | 2             | 9                 | 0.52                         | 0.84                         | 48                 | 52.80                      | 0.030688                        |
| 2024 | 3         | 2                 | 5036         | 0                   | 2             | 29                | 2.91                         | 0.27                         | 55.47              | 28.68                      | 0.067176                        |
| 2024 | 3         | 2                 | 52585        | 0                   | 2             | 88                | 3.16                         | 0.31                         | 57.73              | 34.43                      | 0.038252                        |
| 2024 | 3         | 2                 | 73152        | 0                   | 2             | 37                | 1.77                         | 0.38                         | 54.54              | 23.47                      | 0.036049                        |
| 2024 | 3         | 2                 | 25823        | 0                   | 2             | 59                | 1.15                         | 0.57                         | 54.61              | 39.01                      | 0.022841                        |
| 2024 | 3         | 2                 | 15778        | 0                   | 2             | 35                | 0.77                         | 0.57                         | 53.75              | 42.18                      | 0.035334                        |
| 2024 | 3         | 2                 | 19760        | 0                   | 2             | 33                | 2.26                         | 0.26                         | 56.05              | 32.19                      | 0.066517                        |
| 2024 | 3         | 2                 | 15664        | 0                   | 2             | 62                | 1.95                         | 1.04                         | 42.90              | 27.63                      | 0.060088                        |
| 2024 | 3         | 2                 | 68318        | 0                   | 2             | 44                | 0.84                         | 0.38                         | 60.38              | 50.60                      | 0.006604                        |
| 2024 | 3         | 2                 | 52036        | 0                   | 2             | 5                 | 3.08                         | 0.27                         | 46.75              | 11.20                      | 0.080000                        |
| 2024 | 3         | 2                 | 25288        | 0                   | 2             | 73                | 0.84                         | 0.67                         | 53.78              | 54.74                      | 0.039172                        |
| 2024 | 3         | 2                 | 41676        | 0                   | 2             | 45                | 1.56                         | 0.61                         | 53.14              | 38.32                      | 0.030595                        |
| 2024 | 3         | 2                 | 25845        | 0                   | 2             | 9                 | 0.84                         | 0.74                         | 42.95              | 46.27                      | 0.032372                        |
| 2024 | 3         | 2                 | 85125        | 0                   | 2             | 90                | 1.53                         | 0.41                         | 52.56              | 37.94                      | 0.030438                        |
| 2024 | 3         | 2                 | 20570        | 0                   | 2             | 40                | 0.93                         | 0.21                         | 71.35              | 78.61                      | 0.079001                        |
| 2024 | 3         | 2                 | 68773        | 0                   | 2             | 49                | 1.47                         | 0.30                         | 54.58              | 25.38                      | 0.015669                        |
| 2024 | 3         | 2                 | 66383        | 0                   | 2             | 73                | 0.89                         | 0.73                         | 62.39              | 41.69                      | 0.053202                        |
| 2024 | 3         | 2                 | 5134         | 0                   | 2             | 48                | 0.71                         | 0.43                         | 61.15              | 46.42                      | 0.010005                        |
| 2024 | 3         | 2                 | 99001        | 0                   | 2             | 41                | 1.97                         | 0.66                         | 96.70              | 82.50                      | 0.093366                        |
| 2024 | 3         | 2                 | 27580        | 0                   | 2             | 42                | 2.05                         | 0.54                         | 58.38              | 42.22                      | 0.013207                        |
| 2024 | 3         | 2                 | 52287        | 0                   | 2             | 96                | 2.66                         | 0.80                         | 46.14              | 23.93                      | 0.026220                        |
| 2024 | 3         | 2                 | 18785        | 0                   | 2             | 19                | 1.87                         | 0.32                         | 54.33              | 24.68                      | 0.029500                        |
| 2024 | 3         | 2                 | 73217        | 0                   | 2             | 126               | 1.59                         | 0.35                         | 48.46              | 38.24                      | 0.046790                        |
| 2024 | 3         | 2                 | 5642         | 0                   | 2             | 109               | 1.13                         | 0.35                         | 58.55              | 39.39                      | 0.032139                        |
| 2024 | 3         | 2                 | 19130        | 0                   | 2             | 60                | 1.29                         | 0.33                         | 53.90              | 48.17                      | 0.048269                        |
| 2024 | 3         | 2                 | 86571        | 0                   | 2             | 26                | 1.79                         | 0.34                         | 51.96              | 23.51                      | 0.119254                        |
| 2024 | 3         | 2                 | 68502        | 0                   | 2             | 125               | 1.91                         | 0.34                         | 54.46              | 34.53                      | 0.015326                        |
| 2024 | 3         | 2                 | 68217        | 0                   | 2             | 26                | 1.62                         | 0.36                         | 52.78              | 22.56                      | 0.024694                        |
| 2024 | 3         | 2                 | 47720        | 0                   | 2             | 20                | 1.41                         | 0.32                         | 58.41              | 33.06                      | 0.034888                        |
| 2024 | 3         | 2                 | 15804        | 0                   | 2             | 86                | 1.12                         | 0.77                         | 47.89              | 44.96                      | 0.026587                        |
| 2024 | 3         | 2                 | 76054        | 0                   | 2             | 24                | 1.76                         | 0.48                         | 60.42              | 40.05                      | 0.041268                        |
| 2024 | 3         | 2                 | 50370        | 0                   | 2             | 21                | 0.33                         | 0.60                         | 76.36              | 55.79                      | 0.002372                        |
| 2024 | 3         | 2                 | 25862        | 0                   | 2             | 134               | 0.84                         | 0.74                         | 45.03              | 35.15                      | 0.040735                        |
| 2024 | 3         | 2                 | 23168        | 0                   | 2             | 46                | 1.47                         | 0.28                         | 51.07              | 47.57                      | 0.028277                        |
| 2024 | 3         | 2                 | 73043        | 0                   | 2             | 23                | 0.74                         | 0.35                         | 47.91              | 34.59                      | 0.075094                        |
| 2024 | 3         | 2                 | 50683        | 0                   | 2             | 87                | 0.96                         | 0.55                         | 57.40              | 48.44                      | 0.026245                        |
| 2024 | 3         | 2                 | 25339        | 0                   | 2             | 60                | 1.49                         | 0.88                         | 59.18              | 34.88                      | 0.026601                        |
| 2024 | 3         | 2                 | 68444        | 0                   | 2             | 14                | 2.04                         | 0.34                         | 48.37              | 41.63                      | 0.027346                        |
| 2024 | 3         | 2                 | 41357        | 0                   | 2             | 29                | 1.19                         | 0.38                         | 57.55              | 33.71                      | 0.036205                        |
| 2024 | 3         | 2                 | 99624        | 0                   | 2             | 70                | 1.06                         | 0.57                         | 69.12              | 57.85                      | 0.011656                        |
| 2024 | 3         | 2                 | 8558         | 0                   | 2             | 29                | 1.59                         | 0.42                         | 52.69              | 26.45                      | 0.085985                        |
| 2024 | 3         | 2                 | 5495         | 0                   | 2             | 16                | 0.44                         | 0.24                         | 73.88              | 58.30                      | 0.041073                        |
| 2024 | 3         | 2                 | 27450        | 0                   | 2             | 22                | 1.75                         | 1.09                         | 60                 | 34.31                      | 0.064726                        |
| 2024 | 3         | 2                 | 5842         | 0                   | 2             | 69                | 1.23                         | 0.50                         | 62.73              | 41.20                      | 0.037043                        |
| 2024 | 3         | 2                 | 15690        | 0                   | 2             | 102               | 1.26                         | 0.76                         | 55.38              | 37.31                      | 0.014912                        |
| 2024 | 3         | 2                 | 13490        | 0                   | 2             | 24                | 0.71                         | 0.25                         | 81.96              | 28.94                      | 0.025758                        |
| 2024 | 3         | 2                 | 41530        | 0                   | 2             | 38                | 0.66                         | 0.37                         | 55.27              | 25.16                      | 0.049098                        |
| 2024 | 3         | 2                 | 73483        | 0                   | 2             | 89                | 1.06                         | 0.35                         | 50.25              | 32.85                      | 0.053269                        |
| 2024 | 3         | 2                 | 5059         | 0                   | 2             | 44                | 1.34                         | 0.38                         | 58.72              | 38.60                      | 0.073087                        |
| 2024 | 3         | 2                 | 68296        | 0                   | 2             | 35                | 2.48                         | 1.03                         | 43.57              | 43.31                      | 0.025098                        |
| 2024 | 3         | 2                 | 13212        | 0                   | 2             | 32                | 0.94                         | 0.38                         | 62.17              | 61.71                      | 0.052227                        |
| 2024 | 3         | 2                 | 19110        | 0                   | 2             | 67                | 0.52                         | 0.58                         | 71.65              | 50.18                      | 0.048416                        |
| 2024 | 3         | 2                 | 52411        | 0                   | 2             | 74                | 2.99                         | 0.33                         | 56.36              | 30.83                      | 0.016740                        |
| 2024 | 3         | 2                 | 5125         | 0                   | 2             | 28                | 0.27                         | 0.23                         | 63.12              | 65.11                      | 0.027939                        |
| 2024 | 3         | 2                 | 81591        | 0                   | 2             | 12                | 0.30                         | 0.40                         | 80.54              | 57.71                      | 0.009714                        |
| 2024 | 3         | 2                 | 25736        | 0                   | 2             | 136               | 1.94                         | 0.35                         | 43.10              | 38.98                      | 0.051133                        |
| 2024 | 3         | 2                 | 47798        | 0                   | 2             | 9                 | 1.87                         | 0.37                         | 60.28              | 62                         | 0.023000                        |
| 2024 | 3         | 2                 | 54800        | 0                   | 2             | 12                | 0.93                         | 0.47                         | 56.72              | 36.90                      | 0.056876                        |
| 2024 | 3         | 2                 | 19137        | 0                   | 2             | 52                | 0.75                         | 0.51                         | 59.30              | 48.24                      | 0.021412                        |
| 2024 | 3         | 2                 | 15522        | 0                   | 2             | 22                | 3.13                         | 1.16                         | 51.48              | 23.77                      | 0.044260                        |
| 2024 | 3         | 2                 | 15183        | 0                   | 2             | 26                | 1.63                         | 0.72                         | 71.86              | 58.09                      | 0.019656                        |
| 2024 | 3         | 2                 | 73686        | 0                   | 2             | 8                 | 0.97                         | 0.23                         | 51.14              | 53.14                      | 0.006000                        |
| 2024 | 3         | 2                 | 86755        | 0                   | 2             | 16                | 1.16                         | 0.39                         | 54.29              | 34.73                      | 0.081191                        |
| 2024 | 3         | 2                 | 52203        | 0                   | 2             | 34                | 1.81                         | 0.27                         | 61.74              | 38.84                      | 0.033535                        |
| 2024 | 3         | 2                 | 18860        | 0                   | 2             | 58                | 3.41                         | 0.37                         | 57.72              | 29.88                      | 0.056504                        |
| 2024 | 3         | 2                 | 47660        | 0                   | 2             | 110               | 0.84                         | 0.31                         | 55.92              | 44.83                      | 0.061407                        |
| 2024 | 3         | 2                 | 52233        | 0                   | 2             | 14                | 2.33                         | 0.35                         | 57.80              | 14.53                      | 0.008745                        |
| 2024 | 3         | 2                 | 18094        | 0                   | 2             | 59                | 1.73                         | 0.32                         | 55.45              | 27.14                      | 0.025591                        |
| 2024 | 3         | 2                 | 19785        | 0                   | 2             | 12                | 0.82                         | 0.13                         | 56.21              | 58.38                      | 0.038760                        |
| 2024 | 3         | 2                 | 27413        | 0                   | 2             | 11                | 1.20                         | 0.82                         | 58.73              | 12.27                      | 0.021087                        |
| 2024 | 3         | 2                 | 70771        | 0                   | 2             | 12                | 0.64                         | 0.19                         | 70.38              | 71.38                      | 0.041377                        |
| 2024 | 3         | 2                 | 13042        | 0                   | 2             | 34                | 1.68                         | 0.27                         | 83.71              | 30.24                      | 0.040894                        |
| 2024 | 3         | 2                 | 50270        | 0                   | 2             | 28                | 1.35                         | 0.93                         | 45.90              | 36.97                      | 0.039936                        |
| 2024 | 3         | 2                 | 25281        | 0                   | 2             | 52                | 0.61                         | 0.70                         | 49.42              | 41.68                      | 0.032981                        |
| 2024 | 3         | 2                 | 15531        | 0                   | 2             | 21                | 0.56                         | 0.52                         | 131.95             | 87.63                      | 0.010000                        |
| 2024 | 3         | 2                 | 73226        | 0                   | 2             | 51                | 2.54                         | 0.29                         | 47.87              | 32.66                      | 0.044294                        |
| 2024 | 3         | 2                 | 27660        | 0                   | 2             | 9                 | 0.36                         | 0.41                         | 64                 | 51.36                      | 0.017614                        |
| 2024 | 3         | 2                 | 52540        | 0                   | 2             | 38                | 2.09                         | 0.28                         | 56.17              | 46.72                      | 0.040308                        |
| 2024 | 3         | 2                 | 68872        | 0                   | 2             | 50                | 0.57                         | 0.73                         | 52.31              | 29.47                      | 0.035770                        |
| 2024 | 3         | 2                 | 15232        | 0                   | 2             | 34                | 1.79                         | 0.75                         | 47.30              | 21.86                      | 0.053388                        |
| 2024 | 3         | 2                 | 5145         | 0                   | 2             | 14                | 2.07                         | 0.37                         | 56.36              | 30.21                      | 0.063363                        |
| 2024 | 3         | 2                 | 73347        | 0                   | 2             | 67                | 5.12                         | 0.36                         | 60.01              | 20.73                      | 0.036316                        |
| 2024 | 3         | 2                 | 73236        | 0                   | 2             | 53                | 2.70                         | 0.35                         | 45.55              | 25.92                      | 0.109301                        |
| 2024 | 3         | 2                 | 18460        | 0                   | 2             | 13                | 1.29                         | 0.32                         | 58.43              | 44.37                      | 0.005630                        |
| 2024 | 3         | 2                 | 68855        | 0                   | 2             | 23                | 0.91                         | 0.42                         | 53.17              | 45.07                      | 0.041143                        |
| 2024 | 3         | 2                 | 27430        | 0                   | 2             | 6                 | 1.00                         | 0.49                         | 59                 | 16.50                      | 0.068245                        |
| 2024 | 3         | 2                 | 52427        | 0                   | 2             | 17                | 1.45                         | 0.32                         | 59.26              | 31.44                      | 0.002476                        |
| 2024 | 3         | 2                 | 13248        | 0                   | 2             | 5                 | 3.66                         | 0.35                         | 55.75              | 30.33                      | 0.051006                        |





INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
AMBITO GEOGRAFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIMESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COMUNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD_DESCARGA | INDICADOR_VELOCIDAD_AD_CARGA | INDICADOR_LATENCIA | INDICADOR_FLUCTUACION_FASE | INDICADOR_TASA_PERDIDA_PAQUETES |
|------|-----------|-------------------|--------------|---------------------|---------------|-------------------|------------------------------|------------------------------|--------------------|----------------------------|---------------------------------|
| 2024 | 3         | 2                 | 27077        | 0                   | 2             | 6                 | 0.85                         | 0.44                         | 66.44              | 48.56                      | 0.035337                        |
| 2024 | 3         | 2                 | 23090        | 0                   | 2             | 7                 | 2.05                         | 0.31                         | 52.43              | 19.88                      | 0.018856                        |
| 2024 | 3         | 2                 | 15180        | 0                   | 2             | 18                | 0.89                         | 1.31                         | 85.45              | 81.13                      | 0.025900                        |
| 2024 | 3         | 2                 | 99773        | 0                   | 2             | 24                | 0.33                         | 0.29                         | 525.33             | 60.11                      | 0.003185                        |
| 2024 | 3         | 2                 | 68152        | 0                   | 2             | 42                | 1.69                         | 1.05                         | 50.29              | 23.67                      | 0.038267                        |
| 2024 | 3         | 2                 | 25653        | 0                   | 2             | 35                | 1.57                         | 0.78                         | 44.78              | 32.17                      | 0.022677                        |
| 2024 | 3         | 2                 | 25871        | 0                   | 2             | 51                | 1.29                         | 0.54                         | 44.35              | 27.88                      | 0.012210                        |
| 2024 | 3         | 2                 | 76863        | 0                   | 2             | 23                | 1.02                         | 0.82                         | 59.87              | 36.12                      | 0.072774                        |
| 2024 | 3         | 2                 | 17388        | 0                   | 2             | 29                | 2.07                         | 0.41                         | 62.26              | 32.28                      | 0.055835                        |
| 2024 | 3         | 2                 | 76246        | 0                   | 2             | 48                | 1.15                         | 0.32                         | 67.04              | 32.84                      | 0.043478                        |
| 2024 | 3         | 2                 | 5649         | 0                   | 2             | 55                | 1.56                         | 0.60                         | 55.79              | 42.03                      | 0.047109                        |
| 2024 | 3         | 2                 | 54377        | 0                   | 2             | 27                | 0.86                         | 0.42                         | 66.58              | 55.94                      | 0.007865                        |
| 2024 | 3         | 2                 | 15109        | 0                   | 2             | 54                | 0.82                         | 0.57                         | 57.07              | 63.01                      | 0.035346                        |
| 2024 | 3         | 2                 | 97001        | 0                   | 2             | 22                | 0.57                         | 0.18                         | 595.38             | 123.88                     | 0.022930                        |
| 2024 | 3         | 2                 | 68684        | 0                   | 2             | 32                | 0.60                         | 0.83                         | 55.77              | 47.37                      | 0.025627                        |
| 2024 | 3         | 2                 | 54313        | 0                   | 2             | 52                | 1.22                         | 0.30                         | 65.55              | 40.92                      | 0.020557                        |
| 2024 | 3         | 2                 | 73870        | 0                   | 2             | 19                | 1.31                         | 0.34                         | 51.29              | 39.04                      | 0.080148                        |
| 2024 | 3         | 2                 | 25001        | 0                   | 2             | 58                | 1.89                         | 0.55                         | 46.33              | 33.29                      | 0.061320                        |
| 2024 | 3         | 2                 | 70523        | 0                   | 2             | 11                | 0.74                         | 0.35                         | 55.08              | 45.83                      | 0.029415                        |
| 2024 | 3         | 2                 | 54599        | 0                   | 2             | 20                | 0.82                         | 0.91                         | 46                 | 23.75                      | 0.030343                        |
| 2024 | 3         | 2                 | 47960        | 0                   | 2             | 5                 | 1.07                         | 0.16                         | 60.17              | 81.83                      | 0.012000                        |
| 2024 | 3         | 2                 | 19473        | 0                   | 2             | 1                 | 1.69                         | 0.08                         | 135                | 111.33                     | 0.037500                        |
| 2024 | 3         | 2                 | 73622        | 0                   | 2             | 7                 | 2.08                         | 0.39                         | 47.83              | 26.50                      | 0.015273                        |
| 2024 | 3         | 2                 | 5055         | 0                   | 2             | 3                 | 0.56                         | 0.13                         | 92.25              | 62.75                      | 0.001000                        |
| 2024 | 3         | 2                 | 13873        | 0                   | 2             | 5                 | 0.86                         | 0.42                         | 57.17              | 72.96                      | 0.036073                        |
| 2024 | 3         | 2                 | 68013        | 0                   | 2             | 17                | 2.37                         | 1.52                         | 42.17              | 28.44                      | 0.012438                        |
| 2024 | 3         | 2                 | 13030        | 0                   | 2             | 17                | 0.59                         | 0.19                         | 72.97              | 51.37                      | 0.022117                        |
| 2024 | 3         | 2                 | 27025        | 0                   | 2             | 5                 | 2.50                         | 0.57                         | 56.80              | 9.60                       | 0.054802                        |
| 2024 | 3         | 3                 | 13160        | 0                   | 2             | 39                | 1.60                         | 0.27                         | 80.99              | 35.51                      | 0.069464                        |
| 2024 | 3         | 3                 | 73001        | 0                   | 3             | 304465            | 16.26                        | 9.51                         | 32.41              | 12.50                      | 0.021755                        |
| 2024 | 3         | 3                 | 73001        | 7300106             | 3             | 18538             | 18.97                        | 8.90                         | 30.97              | 11.92                      | 0.022376                        |
| 2024 | 3         | 3                 | 8758         | 0                   | 3             | 167980            | 15.70                        | 8.92                         | 29.71              | 11.26                      | 0.021062                        |
| 2024 | 3         | 3                 | 8758         | 0875804             | 3             | 47430             | 13.40                        | 8.12                         | 29.43              | 11.94                      | 0.023266                        |
| 2024 | 3         | 3                 | 11001        | 0                   | 3             | 6896805           | 14.47                        | 11.57                        | 27.16              | 11.46                      | 0.019503                        |
| 2024 | 3         | 3                 | 11001        | 1100101             | 3             | 474645            | 20.51                        | 12.54                        | 27.57              | 10.79                      | 0.018802                        |
| 2024 | 3         | 3                 | 20001        | 0                   | 3             | 206192            | 15.42                        | 8.80                         | 39.30              | 11.68                      | 0.023681                        |
| 2024 | 3         | 3                 | 20001        | 2000104             | 3             | 29494             | 14.15                        | 7.74                         | 37.06              | 11.92                      | 0.024459                        |
| 2024 | 3         | 3                 | 11001        | 1100109             | 3             | 516243            | 15.00                        | 12.40                        | 27.07              | 11.00                      | 0.018935                        |
| 2024 | 3         | 3                 | 11001        | 1100113             | 3             | 322913            | 21.69                        | 15.31                        | 26.93              | 9.94                       | 0.016428                        |
| 2024 | 3         | 3                 | 50001        | 0                   | 3             | 451567            | 15.08                        | 11.62                        | 32.49              | 12.30                      | 0.019942                        |
| 2024 | 3         | 3                 | 5001         | 0                   | 3             | 1294840           | 15.33                        | 9.06                         | 30.50              | 11.56                      | 0.025176                        |
| 2024 | 3         | 3                 | 11001        | 1100108             | 3             | 819675            | 10.38                        | 10.34                        | 26.70              | 11.90                      | 0.020287                        |
| 2024 | 3         | 3                 | 13001        | 0                   | 3             | 330564            | 17.20                        | 9.45                         | 37.90              | 11.81                      | 0.021979                        |
| 2024 | 3         | 3                 | 13001        | 1300102             | 3             | 66678             | 14.66                        | 8.10                         | 37.43              | 12.03                      | 0.022835                        |
| 2024 | 3         | 3                 | 11001        | 1100110             | 3             | 631796            | 15.28                        | 11.60                        | 27.48              | 11.06                      | 0.018546                        |
| 2024 | 3         | 3                 | 85001        | 0                   | 3             | 133236            | 10.47                        | 10.58                        | 36.42              | 11.62                      | 0.027334                        |
| 2024 | 3         | 3                 | 13001        | 1300101             | 3             | 135628            | 20.67                        | 11.04                        | 37.28              | 11.16                      | 0.019897                        |
| 2024 | 3         | 3                 | 11001        | 1100102             | 3             | 375697            | 24.28                        | 15.85                        | 27.24              | 9.65                       | 0.015877                        |
| 2024 | 3         | 3                 | 17174        | 0                   | 3             | 17496             | 13.22                        | 8.93                         | 39.61              | 10.95                      | 0.028766                        |
| 2024 | 3         | 3                 | 54518        | 0                   | 3             | 17139             | 8.85                         | 8.19                         | 46.90              | 14.38                      | 0.024817                        |
| 2024 | 3         | 3                 | 8001         | 0                   | 3             | 536733            | 21.20                        | 11.61                        | 29.94              | 10.46                      | 0.020828                        |
| 2024 | 3         | 3                 | 8001         | 0800101             | 3             | 87296             | 17.53                        | 9.90                         | 30.08              | 11.65                      | 0.023053                        |
| 2024 | 3         | 3                 | 25572        | 0                   | 3             | 8067              | 7.69                         | 3.70                         | 55.19              | 15.23                      | 0.038324                        |
| 2024 | 3         | 3                 | 76001        | 0                   | 3             | 1051164           | 18.66                        | 10.79                        | 28.44              | 10.64                      | 0.022398                        |
| 2024 | 3         | 3                 | 76001        | 7600110             | 3             | 51665             | 22.38                        | 11.94                        | 28.38              | 9.93                       | 0.021909                        |
| 2024 | 3         | 3                 | 63001        | 0                   | 3             | 139044            | 15.15                        | 9.95                         | 37.12              | 10.58                      | 0.022872                        |
| 2024 | 3         | 3                 | 8520         | 0                   | 3             | 6886              | 14.89                        | 4.92                         | 34.53              | 13.90                      | 0.030645                        |
| 2024 | 3         | 3                 | 85410        | 0                   | 3             | 10539             | 8.11                         | 8.44                         | 83.27              | 14.92                      | 0.046144                        |
| 2024 | 3         | 3                 | 76001        | 7600111             | 3             | 41464             | 16.98                        | 10.22                        | 28.71              | 10.44                      | 0.022192                        |
| 2024 | 3         | 3                 | 5088         | 0                   | 3             | 231526            | 10.86                        | 6.84                         | 31.68              | 13.13                      | 0.029978                        |
| 2024 | 3         | 3                 | 5088         | -1                  | 3             | 18312             | 8.68                         | 5.44                         | 33.91              | 17.40                      | 0.037891                        |
| 2024 | 3         | 3                 | 15377        | 0                   | 3             | 1378              | 17.99                        | 7.23                         | 43.80              | 11.08                      | 0.033550                        |
| 2024 | 3         | 3                 | 76895        | 0                   | 3             | 14968             | 21.42                        | 9.74                         | 35.39              | 11.48                      | 0.025384                        |
| 2024 | 3         | 3                 | 11001        | 1100112             | 3             | 274173            | 18.55                        | 13.71                        | 27.31              | 10.13                      | 0.017066                        |
| 2024 | 3         | 3                 | 76001        | 7600102             | 3             | 112939            | 23.38                        | 12.70                        | 27.13              | 10.04                      | 0.019327                        |
| 2024 | 3         | 3                 | 25772        | 0                   | 3             | 7291              | 8.54                         | 4.83                         | 31.79              | 15.15                      | 0.029423                        |
| 2024 | 3         | 3                 | 44430        | 0                   | 3             | 20868             | 9.93                         | 8.32                         | 60.60              | 13.52                      | 0.041343                        |
| 2024 | 3         | 3                 | 25175        | 0                   | 3             | 137223            | 14.71                        | 10.48                        | 29.89              | 11.55                      | 0.024236                        |
| 2024 | 3         | 3                 | 66001        | 0                   | 3             | 296854            | 14.77                        | 9.06                         | 36.10              | 11.42                      | 0.023388                        |
| 2024 | 3         | 3                 | 8001         | 0800104             | 3             | 176423            | 22.99                        | 12.72                        | 29.99              | 9.94                       | 0.019181                        |
| 2024 | 3         | 3                 | 5679         | 0                   | 3             | 6178              | 12.59                        | 7.24                         | 34.85              | 11.66                      | 0.029549                        |
| 2024 | 3         | 3                 | 5088         | 0508807             | 3             | 11810             | 10.33                        | 6.12                         | 31.57              | 14.69                      | 0.031291                        |
| 2024 | 3         | 3                 | 11001        | 1100107             | 3             | 440413            | 9.30                         | 9.18                         | 26.33              | 12.23                      | 0.021963                        |
| 2024 | 3         | 3                 | 54001        | 0                   | 3             | 337720            | 11.13                        | 9.26                         | 37.44              | 12.30                      | 0.021274                        |
| 2024 | 3         | 3                 | 54001        | 5400107             | 3             | 32000             | 8.25                         | 7.58                         | 43.54              | 12.78                      | 0.026904                        |
| 2024 | 3         | 3                 | 15810        | 0                   | 3             | 1083              | 12.76                        | 6.03                         | 38.82              | 11.71                      | 0.026667                        |
| 2024 | 3         | 3                 | 52001        | 0                   | 3             | 145192            | 15.67                        | 8.22                         | 37.64              | 12.71                      | 0.024167                        |
| 2024 | 3         | 3                 | 25269        | 0                   | 3             | 82505             | 10.61                        | 9.40                         | 27.57              | 12.37                      | 0.021314                        |
| 2024 | 3         | 3                 | 5088         | 0508808             | 3             | 43674             | 10.59                        | 8.05                         | 31.77              | 11.58                      | 0.026878                        |
| 2024 | 3         | 3                 | 11001        | 1100117             | 3             | 62888             | 22.10                        | 13.67                        | 26.19              | 9.92                       | 0.018079                        |
| 2024 | 3         | 3                 | 5360         | 0                   | 3             | 136941            | 16.21                        | 9.80                         | 33.56              | 11.15                      | 0.026951                        |
| 2024 | 3         | 3                 | 73349        | 0                   | 3             | 11232             | 7.94                         | 7.16                         | 32.00              | 11.62                      | 0.038429                        |
| 2024 | 3         | 3                 | 25899        | 0                   | 3             | 86207             | 8.33                         | 7.43                         | 32.43              | 14.39                      | 0.025433                        |
| 2024 | 3         | 3                 | 11001        | 1100103             | 3             | 227372            | 17.28                        | 13.64                        | 26.58              | 10.77                      | 0.017605                        |
| 2024 | 3         | 3                 | 50001        | 5000104             | 3             | 50025             | 12.22                        | 10.84                        | 32.75              | 12.37                      | 0.019042                        |
| 2024 | 3         | 3                 | 44378        | 0                   | 3             | 5578              | 7.38                         | 8.35                         | 44.71              | 11.49                      | 0.029117                        |
| 2024 | 3         | 3                 | 15001        | 0                   | 3             | 124359            | 13.62                        | 11.12                        | 31.38              | 11.67                      | 0.019473                        |
| 2024 | 3         | 3                 | 66170        | 0                   | 3             | 120607            | 13.45                        | 9.48                         | 36.97              | 11.58                      | 0.022851                        |
| 2024 | 3         | 3                 | 25743        | 0                   | 3             | 18904             | 7.24                         | 5.26                         | 31.76              | 16.41                      | 0.032083                        |
| 2024 | 3         | 3                 | 68001        | 0                   | 3             | 251913            | 18.50                        | 12.50                        | 36.18              | 10.41                      | 0.019173                        |
| 2024 | 3         | 3                 | 11001        | 1100111             | 3             | 733950            | 16.08                        | 11.36                        | 27.94              | 11.28                      | 0.019937                        |
| 2024 | 3         | 3                 | 76001        | 7600117             | 3             | 96120             | 26.27                        | 13.44                        | 25.79              | 9.98                       | 0.019837                        |
| 2024 | 3         | 3                 | 68001        | -1                  | 3             | 15356             | 15.77                        | 10.84                        | 37.06              | 10.90                      | 0.018556                        |
| 2024 | 3         | 3                 | 19517        | 0                   | 3             | 3824              | 8.28                         | 4.75                         | 48.80              | 15.84                      | 0.037922                        |
| 2024 | 3         | 3                 | 47189        | 0                   | 3             | 19463             | 9.12                         | 5.95                         | 35.05              | 13.75                      | 0.026719                        |
| 2024 | 3         | 3                 | 25645        | 0                   | 3             | 8045              | 10.57                        | 5.74                         | 37.63              | 14.79                      | 0.030292                        |
| 2024 | 3         | 3                 | 8758         | 0875802             | 3             | 41118             | 17.06                        | 8.94                         | 29.71              | 11.05                      | 0.020778                        |
| 2024 | 3         | 3                 | 85230        | 0                   | 3             | 4723              | 7.24                         | 3.79                         | 58.96              | 15.93                      | 0.051985                        |
| 2024 | 3         | 3                 | 50001        | 5000107             | 3             | 67901             | 14.30                        | 11.67                        | 32.52              | 12.63                      | 0.019315                        |
| 2024 | 3         | 3                 | 5147         | 0                   | 3             | 18841             | 9.63                         | 6.69                         | 37.23              | 13.11                      | 0.026556                        |
| 2024 | 3         | 3                 | 25754        | 0                   | 3             | 452608            | 11.56                        | 9.78                         | 27.09              | 11.91                      | 0.021955                        |
| 2024 | 3         | 3                 | 25754        | 2575406             | 3             | 44718             | 13.86                        | 11.12                        | 26.71              | 11.15                      | 0.020434                        |
| 2024 | 3         | 3                 | 15322        | 0                   | 3             | 4853              | 7.75                         | 7.82                         | 28.20              | 10.67                      | 0.022704                        |
| 2024 | 3         | 3                 | 11001        | 1100114             | 3             | 212970            | 14.51                        | 12.13                        | 26.88              | 11.44                      | 0.018984                        |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIM<br>ESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COM<br>UNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD<br>_DESCARGA | INDICADOR_VELOCIDAD<br>AD_CARGA | INDICADOR_LATE<br>NCIA | INDICADOR_FLUCTU<br>ACION_FASE | INDICADOR_TASA_PERDIDA<br>_PAQU |
|------|-----------|-----------------------|--------------|-------------------------|---------------|-------------------|----------------------------------|---------------------------------|------------------------|--------------------------------|---------------------------------|
| 2024 | 3         | 3                     | 88001        | 0                       | 2             | 1025              | 3.90                             | 0.35                            | 63.36                  | 22.94                          | 0.074146                        |
| 2024 | 3         | 3                     | 5001         | 0500111                 | 3             | 130204            | 19.04                            | 9.96                            | 30.52                  | 10.33                          | 0.023771                        |
| 2024 | 3         | 3                     | 68081        | 0                       | 3             | 72226             | 13.17                            | 9.38                            | 42.90                  | 11.36                          | 0.022207                        |
| 2024 | 3         | 3                     | 70001        | 0                       | 3             | 80823             | 11.88                            | 7.56                            | 34.39                  | 11.97                          | 0.023708                        |
| 2024 | 3         | 3                     | 52356        | 0                       | 2             | 719               | 3.13                             | 0.35                            | 54.78                  | 30.87                          | 0.054231                        |
| 2024 | 3         | 3                     | 41244        | 0                       | 3             | 771               | 16.62                            | 3.84                            | 42.36                  | 14.44                          | 0.040472                        |
| 2024 | 3         | 3                     | 15759        | 0                       | 3             | 71938             | 9.60                             | 9.20                            | 38.55                  | 12.06                          | 0.021679                        |
| 2024 | 3         | 3                     | 41001        | 0                       | 3             | 157937            | 15.42                            | 9.50                            | 34.19                  | 12.64                          | 0.024601                        |
| 2024 | 3         | 3                     | 54001        | 5400106                 | 3             | 37905             | 9.49                             | 9.03                            | 37.14                  | 11.99                          | 0.019963                        |
| 2024 | 3         | 3                     | 25754        | 2575403                 | 3             | 146426            | 10.53                            | 9.28                            | 27.30                  | 12.12                          | 0.021909                        |
| 2024 | 3         | 3                     | 88001        | 0                       | 3             | 36873             | 15.88                            | 8.14                            | 44.33                  | 11.94                          | 0.022307                        |
| 2024 | 3         | 3                     | 5088         | 0508805                 | 3             | 17132             | 6.52                             | 3.82                            | 32.71                  | 17.21                          | 0.035843                        |
| 2024 | 3         | 3                     | 11001        | 1100104                 | 3             | 215420            | 11.35                            | 9.39                            | 26.70                  | 12.15                          | 0.021657                        |
| 2024 | 3         | 3                     | 17001        | 0                       | 3             | 172146            | 15.30                            | 9.21                            | 45.77                  | 11.12                          | 0.023261                        |
| 2024 | 3         | 3                     | 47001        | 0                       | 3             | 192702            | 15.29                            | 8.87                            | 39.53                  | 11.87                          | 0.026847                        |
| 2024 | 3         | 3                     | 47001        | 4700101                 | 3             | 71786             | 12.56                            | 7.91                            | 41.42                  | 12.42                          | 0.035229                        |
| 2024 | 3         | 3                     | 18001        | 0                       | 3             | 75877             | 12.85                            | 9.87                            | 40.10                  | 13.38                          | 0.022324                        |
| 2024 | 3         | 3                     | 70670        | 0                       | 3             | 6026              | 10.70                            | 6.60                            | 45.54                  | 14.27                          | 0.025439                        |
| 2024 | 3         | 3                     | 76001        | 7600120                 | 3             | 9304              | 14.86                            | 8.71                            | 27.86                  | 11.23                          | 0.023368                        |
| 2024 | 3         | 3                     | 25473        | 0                       | 3             | 138740            | 10.99                            | 10.76                           | 26.78                  | 11.10                          | 0.021484                        |
| 2024 | 3         | 3                     | 11001        | 1100119                 | 3             | 354311            | 9.13                             | 9.36                            | 27.52                  | 13.27                          | 0.022292                        |
| 2024 | 3         | 3                     | 76111        | 0                       | 3             | 24120             | 24.15                            | 8.81                            | 36.07                  | 12.08                          | 0.026133                        |
| 2024 | 3         | 3                     | 8573         | 0                       | 3             | 31144             | 21.23                            | 9.92                            | 31.22                  | 10.72                          | 0.024868                        |
| 2024 | 3         | 3                     | 25286        | 0                       | 3             | 114899            | 11.68                            | 10.25                           | 26.94                  | 11.24                          | 0.020806                        |
| 2024 | 3         | 3                     | 11001        | 1100106                 | 3             | 184760            | 11.22                            | 10.21                           | 26.70                  | 11.87                          | 0.020934                        |
| 2024 | 3         | 3                     | 5034         | 0                       | 3             | 8341              | 7.70                             | 6.25                            | 40.96                  | 13.15                          | 0.034821                        |
| 2024 | 3         | 3                     | 5308         | 0                       | 3             | 25445             | 12.38                            | 7.05                            | 31.44                  | 11.40                          | 0.025833                        |
| 2024 | 3         | 3                     | 5001         | 0500108                 | 3             | 35420             | 9.87                             | 6.64                            | 29.54                  | 13.27                          | 0.028619                        |
| 2024 | 3         | 3                     | 5266         | 0                       | 3             | 110510            | 23.57                            | 10.49                           | 30.66                  | 10.34                          | 0.023710                        |
| 2024 | 3         | 3                     | 41306        | 0                       | 2             | 135               | 1.54                             | 0.36                            | 61.85                  | 41.94                          | 0.053051                        |
| 2024 | 3         | 3                     | 5001         | 0500110                 | 3             | 214494            | 14.31                            | 9.99                            | 29.88                  | 11.46                          | 0.022902                        |
| 2024 | 3         | 3                     | 25817        | 0                       | 3             | 62299             | 9.27                             | 7.94                            | 32.18                  | 14.51                          | 0.025663                        |
| 2024 | 3         | 3                     | 70473        | 0                       | 3             | 4462              | 15.87                            | 6.73                            | 47.92                  | 11.44                          | 0.024858                        |
| 2024 | 3         | 3                     | 11001        | 1100116                 | 3             | 415225            | 13.73                            | 11.92                           | 27.30                  | 11.86                          | 0.018871                        |
| 2024 | 3         | 3                     | 76001        | 0                       | 2             | 27462             | 4.07                             | 0.36                            | 49.62                  | 23.17                          | 0.067000                        |
| 2024 | 3         | 3                     | 76001        | 7600122                 | 2             | 395               | 5.82                             | 0.44                            | 48.43                  | 17.89                          | 0.066330                        |
| 2024 | 3         | 3                     | 5001         | 0500116                 | 3             | 112982            | 19.35                            | 9.88                            | 30.43                  | 10.30                          | 0.023110                        |
| 2024 | 3         | 3                     | 68001        | 6800103                 | 3             | 25123             | 17.96                            | 13.00                           | 35.59                  | 10.06                          | 0.018083                        |
| 2024 | 3         | 3                     | 25035        | 0                       | 3             | 11243             | 15.59                            | 7.81                            | 37.03                  | 13.22                          | 0.033011                        |
| 2024 | 3         | 3                     | 20443        | 0                       | 3             | 3421              | 4.02                             | 4.00                            | 45.14                  | 16.26                          | 0.028962                        |
| 2024 | 3         | 3                     | 5120         | 0                       | 3             | 4849              | 13.44                            | 4.57                            | 42.59                  | 15.57                          | 0.031446                        |
| 2024 | 3         | 3                     | 8758         | 0875803                 | 3             | 28732             | 20.12                            | 8.82                            | 30.14                  | 10.47                          | 0.019913                        |
| 2024 | 3         | 3                     | 20750        | 0                       | 3             | 5900              | 16.38                            | 6.20                            | 39.22                  | 13.38                          | 0.028636                        |
| 2024 | 3         | 3                     | 54001        | 5400105                 | 3             | 36218             | 12.98                            | 10.23                           | 37.53                  | 11.57                          | 0.019573                        |
| 2024 | 3         | 3                     | 25200        | 0                       | 3             | 14962             | 10.90                            | 6.69                            | 30.45                  | 14.22                          | 0.027762                        |
| 2024 | 3         | 3                     | 44078        | 0                       | 3             | 6547              | 7.12                             | 5.92                            | 55.02                  | 15.43                          | 0.061457                        |
| 2024 | 3         | 3                     | 25307        | 0                       | 3             | 57838             | 19.88                            | 11.77                           | 29.49                  | 10.17                          | 0.018710                        |
| 2024 | 3         | 3                     | 50573        | 0                       | 3             | 14019             | 10.36                            | 7.84                            | 35.45                  | 15.49                          | 0.028947                        |
| 2024 | 3         | 3                     | 20570        | 0                       | 3             | 2028              | 8.65                             | 4.01                            | 57.52                  | 17.53                          | 0.034293                        |
| 2024 | 3         | 3                     | 5088         | 0508802                 | 3             | 29050             | 11.48                            | 6.57                            | 32.68                  | 13.23                          | 0.031090                        |
| 2024 | 3         | 3                     | 5756         | 0                       | 3             | 6753              | 6.50                             | 5.17                            | 56.75                  | 14.52                          | 0.046310                        |
| 2024 | 3         | 3                     | 76001        | 7600106                 | 3             | 32881             | 14.75                            | 8.84                            | 26.88                  | 10.78                          | 0.022538                        |
| 2024 | 3         | 3                     | 13001        | 1300103                 | 3             | 108749            | 15.24                            | 8.70                            | 37.98                  | 10.78                          | 0.021788                        |
| 2024 | 3         | 3                     | 25430        | 0                       | 3             | 111113            | 11.81                            | 9.45                            | 27.31                  | 12.35                          | 0.023178                        |
| 2024 | 3         | 3                     | 25214        | 0                       | 3             | 69948             | 14.20                            | 9.40                            | 28.78                  | 10.93                          | 0.023152                        |
| 2024 | 3         | 3                     | 25183        | 0                       | 3             | 9037              | 13.23                            | 7.65                            | 33.27                  | 14.25                          | 0.028905                        |
| 2024 | 3         | 3                     | 73443        | 0                       | 3             | 10942             | 16.45                            | 9.19                            | 32.18                  | 12.70                          | 0.026075                        |
| 2024 | 3         | 3                     | 85162        | 0                       | 3             | 7412              | 10.43                            | 8.15                            | 41.04                  | 12.81                          | 0.031024                        |
| 2024 | 3         | 3                     | 11001        | 1100105                 | 3             | 212630            | 10.24                            | 8.94                            | 27.29                  | 12.62                          | 0.022176                        |
| 2024 | 3         | 3                     | 20250        | 0                       | 3             | 10978             | 13.92                            | 6.16                            | 41.07                  | 14.16                          | 0.032617                        |
| 2024 | 3         | 3                     | 19001        | 0                       | 3             | 143096            | 13.16                            | 9.30                            | 33.21                  | 12.00                          | 0.023387                        |
| 2024 | 3         | 3                     | 8001         | 0800105                 | 3             | 84383             | 30.33                            | 14.14                           | 29.86                  | 9.40                           | 0.017617                        |
| 2024 | 3         | 3                     | 76001        | 7600115                 | 3             | 10707             | 10.58                            | 6.83                            | 30.52                  | 13.64                          | 0.028550                        |
| 2024 | 3         | 3                     | 25754        | 2575402                 | 3             | 85147             | 9.82                             | 9.41                            | 27.43                  | 12.24                          | 0.022675                        |
| 2024 | 3         | 3                     | 5154         | 0                       | 3             | 32189             | 9.40                             | 7.93                            | 40.61                  | 13.07                          | 0.024560                        |
| 2024 | 3         | 3                     | 5001         | 0500109                 | 3             | 54233             | 15.02                            | 8.56                            | 29.24                  | 11.25                          | 0.025359                        |
| 2024 | 3         | 3                     | 63470        | 0                       | 3             | 13044             | 12.98                            | 8.84                            | 43.22                  | 13.17                          | 0.025723                        |
| 2024 | 3         | 3                     | 5001         | 0500115                 | 3             | 86323             | 20.01                            | 11.44                           | 30.14                  | 10.60                          | 0.022642                        |
| 2024 | 3         | 3                     | 25317        | 0                       | 3             | 6259              | 6.52                             | 6.03                            | 33.26                  | 15.22                          | 0.027501                        |
| 2024 | 3         | 3                     | 76318        | 0                       | 3             | 5672              | 19.81                            | 8.81                            | 34.14                  | 12.73                          | 0.027515                        |
| 2024 | 3         | 3                     | 13836        | 0                       | 3             | 31200             | 14.64                            | 5.70                            | 38.11                  | 13.74                          | 0.028674                        |
| 2024 | 3         | 3                     | 76001        | 7600105                 | 3             | 57734             | 20.77                            | 11.73                           | 27.43                  | 9.82                           | 0.019789                        |
| 2024 | 3         | 3                     | 81001        | 0                       | 3             | 15433             | 10.18                            | 8.02                            | 41.07                  | 13.26                          | 0.031129                        |
| 2024 | 3         | 3                     | 25662        | 0                       | 3             | 3196              | 17.93                            | 5.82                            | 31.07                  | 12.86                          | 0.029019                        |
| 2024 | 3         | 3                     | 15238        | 0                       | 3             | 67596             | 12.57                            | 11.44                           | 33.77                  | 11.04                          | 0.018562                        |
| 2024 | 3         | 3                     | 11001        | 1100115                 | 3             | 158244            | 13.57                            | 11.53                           | 28.21                  | 11.49                          | 0.019066                        |
| 2024 | 3         | 3                     | 11001        | 1100118                 | 3             | 261145            | 10.46                            | 9.55                            | 27.77                  | 12.39                          | 0.021322                        |
| 2024 | 3         | 3                     | 5001         | 0500104                 | 3             | 63622             | 11.70                            | 8.25                            | 31.67                  | 12.84                          | 0.027353                        |
| 2024 | 3         | 3                     | 52835        | 0                       | 3             | 28900             | 9.92                             | 6.93                            | 42.82                  | 14.16                          | 0.032537                        |
| 2024 | 3         | 3                     | 44001        | 0                       | 3             | 59991             | 10.66                            | 7.29                            | 51.74                  | 12.15                          | 0.029324                        |
| 2024 | 3         | 3                     | 54498        | 0                       | 3             | 19866             | 11.08                            | 7.27                            | 43.52                  | 12.19                          | 0.022022                        |
| 2024 | 3         | 3                     | 76001        | 7600113                 | 3             | 47177             | 11.37                            | 9.98                            | 31.58                  | 12.34                          | 0.024061                        |
| 2024 | 3         | 3                     | 76834        | 0                       | 3             | 44801             | 21.34                            | 9.74                            | 33.78                  | 11.40                          | 0.025568                        |
| 2024 | 3         | 3                     | 25758        | 0                       | 3             | 27558             | 19.39                            | 10.10                           | 31.12                  | 11.10                          | 0.022699                        |
| 2024 | 3         | 3                     | 25875        | 0                       | 3             | 22929             | 6.41                             | 6.41                            | 31.50                  | 13.99                          | 0.034821                        |
| 2024 | 3         | 3                     | 76892        | 0                       | 3             | 79391             | 14.72                            | 9.35                            | 30.72                  | 11.00                          | 0.022827                        |
| 2024 | 3         | 3                     | 76364        | 0                       | 3             | 55259             | 15.01                            | 8.48                            | 35.01                  | 11.70                          | 0.032149                        |
| 2024 | 3         | 3                     | 25126        | 0                       | 3             | 77751             | 12.45                            | 8.28                            | 30.09                  | 13.31                          | 0.024969                        |
| 2024 | 3         | 3                     | 76001        | 7600119                 | 3             | 126195            | 18.94                            | 10.71                           | 27.77                  | 10.50                          | 0.021368                        |
| 2024 | 3         | 3                     | 19573        | 0                       | 3             | 13739             | 10.77                            | 6.68                            | 46.58                  | 14.87                          | 0.030961                        |
| 2024 | 3         | 3                     | 41298        | 0                       | 3             | 27495             | 7.81                             | 7.08                            | 42.79                  | 15.01                          | 0.029684                        |
| 2024 | 3         | 3                     | 5893         | 0                       | 3             | 4518              | 7.17                             | 5.47                            | 44.79                  | 16.48                          | 0.027732                        |
| 2024 | 3         | 3                     | 54001        | 5400102                 | 3             | 57498             | 13.29                            | 10.10                           | 37.81                  | 12.07                          | 0.020259                        |
| 2024 | 3         | 3                     | 86320        | 0                       | 3             | 8913              | 9.06                             | 7.03                            | 50.87                  | 14.13                          | 0.049229                        |
| 2024 | 3         | 3                     | 25290        | 0                       | 3             | 92422             | 13.92                            | 9.62                            | 29.01                  | 12.38                          | 0.024396                        |
| 2024 | 3         | 3                     | 52356        | 0                       | 3             | 32966             | 20.29                            | 11.26                           | 39.21                  | 11.65                          | 0.021421                        |
| 2024 | 3         | 3                     | 5615         | 0                       | 3             | 112654            | 12.35                            | 6.87                            | 36.96                  | 12.73                          | 0.029161                        |
| 2024 | 3         | 3                     | 23001        | 0                       | 3             | 185963            | 14.54                            | 9.43                            | 41.90                  | 11.71                          | 0.022827                        |
| 2024 | 3         | 3                     | 23001        | 2300108                 | 3             | 40199             | 18.14                            | 10.17                           | 42.68                  | 11.30                          | 0.021618                        |
| 2024 | 3         | 3                     | 15176        | 0                       | 3             | 24038             | 11.69                            | 10.02                           | 34.43                  | 11.82                          | 0.020096                        |
| 2024 | 3         | 3                     | 23001        | 2300107                 | 3             | 11438             | 20.50                            | 13.11                           | 41.94                  | 10.74                          | 0.018313                        |
| 2024 | 3         | 3                     | 68547        | 0                       | 3             | 42267             | 11.34                            | 6.83                            | 40.15                  | 13.16                          | 0.027014                        |
| 2024 | 3         | 3                     | 5440         | 0                       | 3             | 25290             | 7.02                             | 4.68                            | 38.44                  | 15.20                          | 0.036031                        |
| 2024 | 3         | 3                     | 25260        | 0                       | 3             | 18775             | 10.29                            | 8.34                            | 33.85                  | 14.61                          | 0.026135                        |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIMESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COMUNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD_DESCARGA | INDICADOR_VELOCIDAD_AD_CARGA | INDICADOR_LATENCIA | INDICADOR_FLUCTUACION_FASE | INDICADOR_TASA_PERDIDA_PAQUETES |
|------|-----------|-------------------|--------------|---------------------|---------------|-------------------|------------------------------|------------------------------|--------------------|----------------------------|---------------------------------|
| 2024 | 3         | 3                 | 20178        | 0                   | 3             | 6700              | 14.19                        | 9.02                         | 45.07              | 12.39                      | 0.027088                        |
| 2024 | 3         | 3                 | 5001         | 0500105             | 3             | 90368             | 10.83                        | 8.16                         | 32.12              | 13.78                      | 0.027986                        |
| 2024 | 3         | 3                 | 73001        | 7300108             | 3             | 28462             | 16.39                        | 8.07                         | 33.06              | 13.72                      | 0.024371                        |
| 2024 | 3         | 3                 | 5318         | 0                   | 3             | 24112             | 7.80                         | 4.18                         | 35.56              | 14.49                      | 0.034559                        |
| 2024 | 3         | 3                 | 54874        | 0                   | 3             | 32730             | 12.37                        | 8.75                         | 37.90              | 13.10                      | 0.022832                        |
| 2024 | 3         | 3                 | 76890        | 0                   | 3             | 5467              | 19.78                        | 7.69                         | 37.88              | 12.89                      | 0.029617                        |
| 2024 | 3         | 3                 | 66075        | 0                   | 3             | 3257              | 9.73                         | 5.33                         | 39.29              | 13.64                      | 0.030981                        |
| 2024 | 3         | 3                 | 19256        | 0                   | 3             | 3922              | 15.11                        | 6.79                         | 44.23              | 15.57                      | 0.036405                        |
| 2024 | 3         | 3                 | 68190        | 0                   | 3             | 8493              | 12.14                        | 7.58                         | 45.48              | 15.39                      | 0.028471                        |
| 2024 | 3         | 3                 | 25320        | 0                   | 3             | 16522             | 8.18                         | 5.77                         | 33.54              | 14.01                      | 0.029967                        |
| 2024 | 3         | 3                 | 50568        | 0                   | 3             | 27756             | 8.76                         | 7.91                         | 40.42              | 17.43                      | 0.032021                        |
| 2024 | 3         | 3                 | 25754        | 2575404             | 3             | 18042             | 8.78                         | 7.24                         | 26.01              | 13.59                      | 0.024805                        |
| 2024 | 3         | 3                 | 27615        | 0                   | 3             | 5502              | 3.88                         | 5.49                         | 51.86              | 18.41                      | 0.043461                        |
| 2024 | 3         | 3                 | 25754        | 2575405             | 3             | 75268             | 12.99                        | 10.58                        | 26.21              | 11.32                      | 0.020721                        |
| 2024 | 3         | 3                 | 5001         | 0500114             | 3             | 144639            | 23.08                        | 11.55                        | 28.75              | 10.25                      | 0.020996                        |
| 2024 | 3         | 3                 | 25386        | 0                   | 3             | 23369             | 11.96                        | 6.49                         | 37.87              | 13.67                      | 0.037255                        |
| 2024 | 3         | 3                 | 76001        | 7600114             | 3             | 36442             | 10.02                        | 9.67                         | 32.90              | 12.49                      | 0.025201                        |
| 2024 | 3         | 3                 | 5001         | 0500107             | 3             | 81110             | 13.41                        | 8.01                         | 31.30              | 12.10                      | 0.027677                        |
| 2024 | 3         | 3                 | 25599        | 0                   | 3             | 4936              | 21.77                        | 9.42                         | 34.06              | 11.31                      | 0.027744                        |
| 2024 | 3         | 3                 | 25322        | 0                   | 3             | 10983             | 11.01                        | 5.78                         | 30.51              | 13.12                      | 0.032726                        |
| 2024 | 3         | 3                 | 76001        | 7600118             | 3             | 19465             | 13.84                        | 8.49                         | 29.33              | 11.57                      | 0.023076                        |
| 2024 | 3         | 3                 | 15469        | 0                   | 3             | 11032             | 8.89                         | 8.45                         | 36.15              | 12.58                      | 0.024132                        |
| 2024 | 3         | 3                 | 63690        | 0                   | 3             | 9302              | 14.55                        | 8.36                         | 41.63              | 12.09                      | 0.031283                        |
| 2024 | 3         | 3                 | 5045         | 0                   | 3             | 50062             | 9.65                         | 7.77                         | 36.41              | 12.23                      | 0.023973                        |
| 2024 | 3         | 3                 | 86001        | 0                   | 3             | 20308             | 7.51                         | 6.61                         | 42.16              | 16.51                      | 0.028795                        |
| 2024 | 3         | 3                 | 63594        | 0                   | 3             | 11924             | 12.12                        | 8.59                         | 42.15              | 12.18                      | 0.027022                        |
| 2024 | 3         | 3                 | 11001        | 0                   | 2             | 147466            | 4.10                         | 0.38                         | 37.02              | 21.78                      | 0.072280                        |
| 2024 | 3         | 3                 | 11001        | 1100102             | 2             | 8678              | 5.96                         | 0.39                         | 36.41              | 18.64                      | 0.078416                        |
| 2024 | 3         | 3                 | 76520        | 0                   | 3             | 120518            | 16.37                        | 8.61                         | 31.75              | 11.06                      | 0.026152                        |
| 2024 | 3         | 3                 | 76113        | 0                   | 3             | 6794              | 27.05                        | 9.14                         | 34.46              | 10.92                      | 0.034473                        |
| 2024 | 3         | 3                 | 15572        | 0                   | 3             | 15727             | 12.14                        | 6.70                         | 34.57              | 12.59                      | 0.025656                        |
| 2024 | 3         | 3                 | 20001        | 2000105             | 3             | 45574             | 16.98                        | 8.54                         | 35.72              | 11.63                      | 0.022684                        |
| 2024 | 3         | 3                 | 41132        | 0                   | 3             | 7129              | 7.29                         | 6.22                         | 49.40              | 16.54                      | 0.032265                        |
| 2024 | 3         | 3                 | 94001        | 0                   | 3             | 6660              | 2.88                         | 5.92                         | 79.36              | 14.83                      | 0.118182                        |
| 2024 | 3         | 3                 | 11001        | 1100110             | 2             | 14470             | 4.09                         | 0.38                         | 35.91              | 21.81                      | 0.072354                        |
| 2024 | 3         | 3                 | 86571        | 0                   | 3             | 1987              | 8.34                         | 7.94                         | 48.96              | 17.96                      | 0.037100                        |
| 2024 | 3         | 3                 | 50001        | 5000106             | 3             | 43780             | 14.98                        | 12.92                        | 32.31              | 12.25                      | 0.017484                        |
| 2024 | 3         | 3                 | 17873        | 0                   | 3             | 21969             | 11.64                        | 7.51                         | 44.74              | 11.40                      | 0.025502                        |
| 2024 | 3         | 3                 | 73001        | 7300112             | 3             | 10629             | 11.00                        | 9.06                         | 33.15              | 13.31                      | 0.021388                        |
| 2024 | 3         | 3                 | 70708        | 0                   | 3             | 7272              | 7.54                         | 8.21                         | 64.18              | 13.17                      | 0.052789                        |
| 2024 | 3         | 3                 | 5079         | 0                   | 3             | 15197             | 10.21                        | 4.25                         | 32.46              | 13.52                      | 0.030764                        |
| 2024 | 3         | 3                 | 76001        | 7600112             | 3             | 28483             | 14.89                        | 9.20                         | 30.60              | 11.34                      | 0.023855                        |
| 2024 | 3         | 3                 | 18753        | 0                   | 3             | 10910             | 6.72                         | 7.95                         | 48.58              | 14.47                      | 0.035914                        |
| 2024 | 3         | 3                 | 41551        | 0                   | 3             | 41999             | 9.18                         | 8.05                         | 41.87              | 14.42                      | 0.030797                        |
| 2024 | 3         | 3                 | 20045        | 0                   | 3             | 5544              | 15.71                        | 8.07                         | 42.56              | 12.47                      | 0.024294                        |
| 2024 | 3         | 3                 | 8634         | 0                   | 3             | 6923              | 8.51                         | 4.79                         | 30.76              | 14.66                      | 0.028421                        |
| 2024 | 3         | 3                 | 25740        | 0                   | 3             | 31474             | 8.99                         | 8.22                         | 35.32              | 14.16                      | 0.025460                        |
| 2024 | 3         | 3                 | 50001        | 5000101             | 3             | 22550             | 20.46                        | 12.41                        | 31.43              | 10.86                      | 0.017647                        |
| 2024 | 3         | 3                 | 23162        | 0                   | 3             | 21928             | 17.18                        | 8.03                         | 43.19              | 12.54                      | 0.025787                        |
| 2024 | 3         | 3                 | 47460        | 0                   | 3             | 4193              | 9.13                         | 7.58                         | 38.92              | 12.09                      | 0.031156                        |
| 2024 | 3         | 3                 | 76400        | 0                   | 3             | 4252              | 12.36                        | 8.18                         | 40.75              | 12.04                      | 0.032480                        |
| 2024 | 3         | 3                 | 73268        | 0                   | 3             | 28613             | 14.31                        | 9.97                         | 32.61              | 12.19                      | 0.024081                        |
| 2024 | 3         | 3                 | 20238        | 0                   | 3             | 6138              | 20.87                        | 5.13                         | 38.93              | 16.08                      | 0.031898                        |
| 2024 | 3         | 3                 | 5656         | 0                   | 3             | 9531              | 13.47                        | 6.30                         | 30.98              | 11.16                      | 0.026219                        |
| 2024 | 3         | 3                 | 76036        | 0                   | 3             | 5088              | 19.62                        | 7.61                         | 37.32              | 11.49                      | 0.024136                        |
| 2024 | 3         | 3                 | 25245        | 0                   | 3             | 14741             | 10.95                        | 6.99                         | 37.15              | 14.06                      | 0.037995                        |
| 2024 | 3         | 3                 | 5642         | 0                   | 3             | 1613              | 19.06                        | 4.94                         | 32.97              | 11.26                      | 0.032795                        |
| 2024 | 3         | 3                 | 50001        | 5000105             | 3             | 80421             | 14.95                        | 11.83                        | 32.04              | 12.04                      | 0.018606                        |
| 2024 | 3         | 3                 | 25653        | 0                   | 3             | 897               | 24.09                        | 7.61                         | 33.20              | 14.28                      | 0.026337                        |
| 2024 | 3         | 3                 | 19743        | 0                   | 3             | 3807              | 7.95                         | 4.05                         | 36.01              | 13.59                      | 0.078432                        |
| 2024 | 3         | 3                 | 5380         | 0                   | 3             | 35453             | 13.94                        | 7.93                         | 32.97              | 11.86                      | 0.027547                        |
| 2024 | 3         | 3                 | 50313        | 0                   | 3             | 32021             | 12.03                        | 9.79                         | 41.25              | 13.48                      | 0.023198                        |
| 2024 | 3         | 3                 | 54405        | 0                   | 3             | 38198             | 12.77                        | 10.14                        | 36.89              | 11.39                      | 0.019790                        |
| 2024 | 3         | 3                 | 25377        | 0                   | 3             | 24745             | 15.34                        | 8.89                         | 30.23              | 11.93                      | 0.024730                        |
| 2024 | 3         | 3                 | 76109        | 0                   | 3             | 47810             | 10.10                        | 8.06                         | 33.44              | 12.76                      | 0.025482                        |
| 2024 | 3         | 3                 | 8001         | 0800103             | 3             | 96237             | 19.98                        | 11.47                        | 29.40              | 10.50                      | 0.020784                        |
| 2024 | 3         | 3                 | 25754        | 2575401             | 3             | 72557             | 13.98                        | 10.98                        | 27.56              | 11.29                      | 0.021122                        |
| 2024 | 3         | 3                 | 68432        | 0                   | 3             | 6437              | 9.55                         | 10.19                        | 41.06              | 12.84                      | 0.020833                        |
| 2024 | 3         | 3                 | 5660         | 0                   | 3             | 2857              | 9.82                         | 3.73                         | 72.55              | 19.47                      | 0.035921                        |
| 2024 | 3         | 3                 | 25402        | 0                   | 3             | 16393             | 6.02                         | 4.94                         | 35.47              | 15.21                      | 0.041954                        |
| 2024 | 3         | 3                 | 54001        | 5400108             | 3             | 31545             | 8.08                         | 8.43                         | 35.68              | 12.38                      | 0.021204                        |
| 2024 | 3         | 3                 | 52317        | 0                   | 3             | 3337              | 14.23                        | 5.20                         | 40.52              | 14.08                      | 0.030859                        |
| 2024 | 3         | 3                 | 25612        | 0                   | 3             | 15391             | 21.15                        | 6.80                         | 31.72              | 11.81                      | 0.027088                        |
| 2024 | 3         | 3                 | 76001        | 7600108             | 3             | 57849             | 18.38                        | 10.21                        | 29.16              | 10.45                      | 0.023405                        |
| 2024 | 3         | 3                 | 50001        | 5000108             | 3             | 58690             | 14.51                        | 10.70                        | 33.04              | 12.50                      | 0.021090                        |
| 2024 | 3         | 3                 | 76563        | 0                   | 3             | 12419             | 10.10                        | 8.37                         | 32.73              | 11.51                      | 0.024601                        |
| 2024 | 3         | 3                 | 5579         | 0                   | 3             | 10141             | 12.17                        | 7.23                         | 35.12              | 11.74                      | 0.028479                        |
| 2024 | 3         | 3                 | 50006        | 0                   | 3             | 56917             | 10.87                        | 10.38                        | 35.90              | 14.24                      | 0.022030                        |
| 2024 | 3         | 3                 | 8001         | 0800102             | 3             | 78054             | 14.92                        | 8.82                         | 30.52              | 12.25                      | 0.023931                        |
| 2024 | 3         | 3                 | 5001         | 0500106             | 3             | 39202             | 13.23                        | 6.75                         | 31.07              | 12.35                      | 0.028148                        |
| 2024 | 3         | 3                 | 73449        | 0                   | 3             | 26621             | 14.88                        | 9.69                         | 34.10              | 12.32                      | 0.022420                        |
| 2024 | 3         | 3                 | 68276        | 0                   | 3             | 84858             | 15.44                        | 9.94                         | 37.01              | 11.57                      | 0.021439                        |
| 2024 | 3         | 3                 | 5190         | 0                   | 3             | 3770              | 11.62                        | 7.64                         | 31.02              | 11.76                      | 0.022879                        |
| 2024 | 3         | 3                 | 20400        | 0                   | 3             | 12827             | 13.40                        | 7.62                         | 47.18              | 13.08                      | 0.026405                        |
| 2024 | 3         | 3                 | 25754        | 0                   | 2             | 8175              | 3.37                         | 0.37                         | 37.74              | 25.55                      | 0.062965                        |
| 2024 | 3         | 3                 | 25754        | 2575402             | 2             | 1370              | 2.58                         | 0.36                         | 40.40              | 29.81                      | 0.052383                        |
| 2024 | 3         | 3                 | 54172        | 0                   | 3             | 9726              | 8.90                         | 6.43                         | 38.61              | 13.07                      | 0.024807                        |
| 2024 | 3         | 3                 | 68001        | 6800110             | 3             | 17431             | 17.07                        | 10.25                        | 37.52              | 11.62                      | 0.022310                        |
| 2024 | 3         | 3                 | 8758         | 0875801             | 3             | 50376             | 14.59                        | 9.73                         | 29.56              | 10.97                      | 0.019794                        |
| 2024 | 3         | 3                 | 73001        | 7300101             | 3             | 35728             | 18.31                        | 12.91                        | 32.06              | 11.58                      | 0.017174                        |
| 2024 | 3         | 3                 | 73275        | 0                   | 3             | 13425             | 13.76                        | 8.51                         | 32.51              | 12.76                      | 0.027975                        |
| 2024 | 3         | 3                 | 5091         | 0                   | 3             | 2482              | 7.51                         | 3.85                         | 34.82              | 12.03                      | 0.038560                        |
| 2024 | 3         | 3                 | 76147        | 0                   | 3             | 30187             | 18.05                        | 11.14                        | 32.81              | 10.10                      | 0.020886                        |
| 2024 | 3         | 3                 | 5212         | 0                   | 3             | 35977             | 12.78                        | 7.34                         | 30.70              | 11.23                      | 0.027959                        |
| 2024 | 3         | 3                 | 8638         | 0                   | 2             | 450               | 1.88                         | 0.34                         | 50.42              | 34.51                      | 0.056272                        |
| 2024 | 3         | 3                 | 25398        | 0                   | 3             | 1995              | 9.70                         | 3.15                         | 32.06              | 13.57                      | 0.036509                        |
| 2024 | 3         | 3                 | 5001         | 0                   | 2             | 32832             | 3.72                         | 0.35                         | 45.54              | 24.91                      | 0.067715                        |
| 2024 | 3         | 3                 | 5001         | 0500113             | 2             | 970               | 2.10                         | 0.34                         | 44.68              | 29.07                      | 0.063240                        |
| 2024 | 3         | 3                 | 5001         | 0500112             | 3             | 52294             | 16.18                        | 8.88                         | 29.62              | 10.83                      | 0.024830                        |
| 2024 | 3         | 3                 | 13657        | 0                   | 3             | 5772              | 12.81                        | 5.83                         | 51.56              | 15.39                      | 0.028536                        |
| 2024 | 3         | 3                 | 8433         | 0                   | 3             | 26067             | 16.09                        | 7.43                         | 29.56              | 12.07                      | 0.023964                        |
| 2024 | 3         | 3                 | 73678        | 0                   | 3             | 5965              | 20.57                        | 9.63                         | 32.98              | 14.53                      | 0.025263                        |
| 2024 | 3         | 3                 | 11001        | 1100101             | 2             | 12441             | 4.77                         | 0.38                         | 36.80              | 19.44                      | 0.073590                        |
| 2024 | 3         | 3                 | 8638         | 0                   | 3             | 18858             | 12.24                        | 8.01                         | 36.31              | 12.66                      | 0.028332                        |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIM<br>ESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COM<br>UNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD<br>_DESCARGA | INDICADOR_VELOCIDAD<br>AD_CARGA | INDICADOR_LATE<br>NCIA | INDICADOR_FLUCTU<br>ACION_FASE | INDICADOR_TASA_PERDIDA<br>_PAQU |
|------|-----------|-----------------------|--------------|-------------------------|---------------|-------------------|----------------------------------|---------------------------------|------------------------|--------------------------------|---------------------------------|
| 2024 | 3         | 3                     | 47001        | 4700102                 | 3             | 61167             | 15.63                            | 9.14                            | 38.30                  | 11.63                          | 0.021471                        |
| 2024 | 3         | 3                     | 5887         | 0                       | 3             | 12720             | 9.12                             | 6.60                            | 40.25                  | 12.61                          | 0.028255                        |
| 2024 | 3         | 3                     | 5490         | 0                       | 3             | 11751             | 6.94                             | 5.69                            | 48.93                  | 16.30                          | 0.029403                        |
| 2024 | 3         | 3                     | 20001        | 2000106                 | 3             | 22434             | 20.72                            | 10.69                           | 38.76                  | 10.39                          | 0.020110                        |
| 2024 | 3         | 3                     | 5088         | 0508804                 | 3             | 43284             | 12.43                            | 8.16                            | 30.31                  | 11.41                          | 0.025210                        |
| 2024 | 3         | 3                     | 47001        | 4700103                 | 3             | 45671             | 19.38                            | 11.02                           | 38.61                  | 10.99                          | 0.021621                        |
| 2024 | 3         | 3                     | 5001         | 0500113                 | 3             | 41327             | 9.33                             | 6.63                            | 32.54                  | 12.85                          | 0.029347                        |
| 2024 | 3         | 3                     | 41001        | 0                       | 2             | 3998              | 3.62                             | 0.35                            | 46.13                  | 24.40                          | 0.061076                        |
| 2024 | 3         | 3                     | 13683        | 0                       | 3             | 3622              | 7.92                             | 6.55                            | 48.26                  | 16.40                          | 0.026925                        |
| 2024 | 3         | 3                     | 5736         | 0                       | 3             | 9270              | 7.30                             | 6.03                            | 43.44                  | 14.42                          | 0.040145                        |
| 2024 | 3         | 3                     | 8078         | 0                       | 3             | 13161             | 9.60                             | 5.02                            | 34.28                  | 14.08                          | 0.029885                        |
| 2024 | 3         | 3                     | 68167        | 0                       | 3             | 1992              | 19.04                            | 8.91                            | 42.57                  | 12.96                          | 0.022626                        |
| 2024 | 3         | 3                     | 25658        | 0                       | 3             | 10100             | 6.77                             | 5.22                            | 32.45                  | 14.56                          | 0.033741                        |
| 2024 | 3         | 3                     | 68418        | 0                       | 3             | 3129              | 14.00                            | 5.10                            | 40.01                  | 14.66                          | 0.031131                        |
| 2024 | 3         | 3                     | 41396        | 0                       | 3             | 13862             | 7.62                             | 6.67                            | 38.59                  | 15.08                          | 0.029647                        |
| 2024 | 3         | 3                     | 15516        | 0                       | 3             | 20165             | 12.22                            | 6.91                            | 35.70                  | 13.43                          | 0.028682                        |
| 2024 | 3         | 3                     | 52480        | 0                       | 3             | 1366              | 29.79                            | 5.84                            | 39.77                  | 12.23                          | 0.024874                        |
| 2024 | 3         | 3                     | 23001        | 2300106                 | 3             | 17078             | 13.66                            | 9.75                            | 43.41                  | 11.84                          | 0.022721                        |
| 2024 | 3         | 3                     | 25295        | 0                       | 3             | 11722             | 18.10                            | 9.83                            | 29.23                  | 12.46                          | 0.024501                        |
| 2024 | 3         | 3                     | 25307        | 0                       | 2             | 1955              | 3.94                             | 1.14                            | 36.73                  | 23.27                          | 0.047724                        |
| 2024 | 3         | 3                     | 25592        | 0                       | 3             | 2778              | 17.93                            | 4.31                            | 31.57                  | 13.10                          | 0.030284                        |
| 2024 | 3         | 3                     | 25099        | 0                       | 3             | 7055              | 8.19                             | 4.94                            | 34.00                  | 15.16                          | 0.033346                        |
| 2024 | 3         | 3                     | 73001        | 7300109                 | 3             | 48197             | 14.40                            | 7.80                            | 32.96                  | 13.09                          | 0.022960                        |
| 2024 | 3         | 3                     | 73001        | 7300107                 | 3             | 25280             | 16.27                            | 8.41                            | 32.48                  | 12.54                          | 0.023028                        |
| 2024 | 3         | 3                     | 47980        | 0                       | 3             | 10531             | 18.07                            | 6.24                            | 34.66                  | 15.29                          | 0.030822                        |
| 2024 | 3         | 3                     | 63401        | 0                       | 3             | 12549             | 15.52                            | 8.69                            | 39.24                  | 11.50                          | 0.023377                        |
| 2024 | 3         | 3                     | 76001        | 7600103                 | 3             | 67442             | 18.68                            | 11.26                           | 28.31                  | 10.78                          | 0.021439                        |
| 2024 | 3         | 3                     | 68001        | 6800117                 | 3             | 7744              | 15.72                            | 8.68                            | 37.26                  | 11.88                          | 0.024881                        |
| 2024 | 3         | 3                     | 5129         | 0                       | 3             | 25178             | 13.62                            | 7.21                            | 33.99                  | 11.57                          | 0.031050                        |
| 2024 | 3         | 3                     | 76616        | 0                       | 3             | 3337              | 32.48                            | 8.94                            | 34.49                  | 12.44                          | 0.026716                        |
| 2024 | 3         | 3                     | 68679        | 0                       | 3             | 15445             | 14.58                            | 7.79                            | 37.10                  | 12.05                          | 0.023617                        |
| 2024 | 3         | 3                     | 5665         | 0                       | 3             | 4749              | 8.45                             | 7.81                            | 44.10                  | 12.24                          | 0.037546                        |
| 2024 | 3         | 3                     | 76001        | 7600109                 | 3             | 42450             | 17.55                            | 10.19                           | 29.71                  | 10.54                          | 0.022292                        |
| 2024 | 3         | 3                     | 70110        | 0                       | 3             | 1715              | 18.51                            | 10.53                           | 43.58                  | 10.23                          | 0.015908                        |
| 2024 | 3         | 3                     | 73671        | 0                       | 3             | 5078              | 13.98                            | 9.53                            | 31.17                  | 12.23                          | 0.022080                        |
| 2024 | 3         | 3                     | 11001        | 1100119                 | 2             | 6519              | 2.78                             | 0.37                            | 40.33                  | 27.92                          | 0.064922                        |
| 2024 | 3         | 3                     | 19845        | 0                       | 3             | 8546              | 11.67                            | 6.18                            | 31.67                  | 13.78                          | 0.030801                        |
| 2024 | 3         | 3                     | 25326        | 0                       | 3             | 5062              | 10.95                            | 6.32                            | 29.14                  | 11.54                          | 0.023749                        |
| 2024 | 3         | 3                     | 47288        | 0                       | 3             | 13011             | 12.95                            | 8.47                            | 30.67                  | 12.15                          | 0.021959                        |
| 2024 | 3         | 3                     | 5088         | 0508803                 | 3             | 21719             | 14.53                            | 8.23                            | 31.93                  | 12.30                          | 0.027866                        |
| 2024 | 3         | 3                     | 68001        | 6800113                 | 3             | 40323             | 20.20                            | 13.19                           | 35.74                  | 9.77                           | 0.018254                        |
| 2024 | 3         | 3                     | 15759        | 0                       | 2             | 1963              | 1.98                             | 1.03                            | 45.42                  | 28.76                          | 0.044582                        |
| 2024 | 3         | 3                     | 41306        | 0                       | 3             | 6432              | 9.25                             | 5.19                            | 54.87                  | 14.24                          | 0.038476                        |
| 2024 | 3         | 3                     | 73001        | 7300102                 | 3             | 9296              | 14.73                            | 8.39                            | 32.65                  | 12.28                          | 0.019733                        |
| 2024 | 3         | 3                     | 5001         | 0500102                 | 3             | 22298             | 7.15                             | 6.84                            | 33.39                  | 14.39                          | 0.027918                        |
| 2024 | 3         | 3                     | 15407        | 0                       | 3             | 12300             | 23.10                            | 10.72                           | 35.11                  | 11.48                          | 0.023182                        |
| 2024 | 3         | 3                     | 85263        | 0                       | 3             | 3443              | 11.01                            | 4.23                            | 42.71                  | 15.00                          | 0.036160                        |
| 2024 | 3         | 3                     | 11001        | 1100114                 | 2             | 4155              | 4.39                             | 0.37                            | 35.82                  | 19.03                          | 0.084089                        |
| 2024 | 3         | 3                     | 17541        | 0                       | 3             | 5120              | 17.31                            | 6.71                            | 50.80                  | 11.21                          | 0.024307                        |
| 2024 | 3         | 3                     | 85001        | 0                       | 2             | 3959              | 2.83                             | 0.38                            | 45.35                  | 34.34                          | 0.060088                        |
| 2024 | 3         | 3                     | 76001        | 7600104                 | 3             | 51196             | 21.71                            | 12.40                           | 27.24                  | 9.66                           | 0.018851                        |
| 2024 | 3         | 3                     | 68001        | 6800104                 | 3             | 8701              | 17.34                            | 12.11                           | 37.36                  | 10.68                          | 0.018567                        |
| 2024 | 3         | 3                     | 20011        | 0                       | 3             | 31341             | 12.23                            | 7.83                            | 60.76                  | 11.86                          | 0.030491                        |
| 2024 | 3         | 3                     | 76130        | 0                       | 3             | 36959             | 15.00                            | 8.72                            | 36.00                  | 12.71                          | 0.028618                        |
| 2024 | 3         | 3                     | 25799        | 0                       | 3             | 31385             | 13.49                            | 6.51                            | 32.79                  | 14.17                          | 0.028798                        |
| 2024 | 3         | 3                     | 68575        | 0                       | 3             | 5267              | 9.86                             | 5.37                            | 51.72                  | 16.66                          | 0.030456                        |
| 2024 | 3         | 3                     | 17380        | 0                       | 3             | 33327             | 11.29                            | 7.34                            | 40.55                  | 11.87                          | 0.029967                        |
| 2024 | 3         | 3                     | 25151        | 0                       | 3             | 10756             | 11.20                            | 6.80                            | 32.78                  | 14.02                          | 0.030507                        |
| 2024 | 3         | 3                     | 27075        | 0                       | 3             | 3975              | 1.45                             | 5.02                            | 53.42                  | 14.39                          | 0.070207                        |
| 2024 | 3         | 3                     | 8296         | 0                       | 3             | 18986             | 15.86                            | 8.39                            | 31.29                  | 11.93                          | 0.023515                        |
| 2024 | 3         | 3                     | 27001        | 0                       | 3             | 49064             | 3.22                             | 5.59                            | 51.27                  | 18.97                          | 0.043093                        |
| 2024 | 3         | 3                     | 15047        | 0                       | 3             | 3548              | 8.45                             | 9.27                            | 34.75                  | 11.84                          | 0.023789                        |
| 2024 | 3         | 3                     | 86573        | 0                       | 3             | 6938              | 5.49                             | 7.74                            | 49.51                  | 14.40                          | 0.052915                        |
| 2024 | 3         | 3                     | 5138         | 0                       | 3             | 3735              | 10.50                            | 3.64                            | 36.28                  | 13.28                          | 0.035531                        |
| 2024 | 3         | 3                     | 68001        | 6800112                 | 3             | 36553             | 22.06                            | 15.00                           | 35.64                  | 9.84                           | 0.016798                        |
| 2024 | 3         | 3                     | 5686         | 0                       | 3             | 11066             | 7.78                             | 7.37                            | 36.67                  | 13.11                          | 0.039908                        |
| 2024 | 3         | 3                     | 66318        | 0                       | 3             | 2661              | 13.06                            | 6.63                            | 41.36                  | 13.19                          | 0.029331                        |
| 2024 | 3         | 3                     | 50689        | 0                       | 3             | 10258             | 9.53                             | 10.10                           | 36.20                  | 12.20                          | 0.033904                        |
| 2024 | 3         | 3                     | 5001         | 0500114                 | 2             | 4084              | 5.04                             | 0.36                            | 45.87                  | 18.91                          | 0.070535                        |
| 2024 | 3         | 3                     | 5631         | 0                       | 3             | 66730             | 13.53                            | 9.20                            | 31.48                  | 10.91                          | 0.025073                        |
| 2024 | 3         | 3                     | 47268        | 0                       | 3             | 2588              | 17.04                            | 7.67                            | 31.23                  | 14.18                          | 0.023875                        |
| 2024 | 3         | 3                     | 76126        | 0                       | 3             | 3953              | 9.74                             | 6.64                            | 41.32                  | 16.41                          | 0.050352                        |
| 2024 | 3         | 3                     | 13836        | 0                       | 2             | 1095              | 2.06                             | 0.34                            | 53.53                  | 35.71                          | 0.068994                        |
| 2024 | 3         | 3                     | 76001        | 7600107                 | 3             | 34307             | 15.92                            | 8.60                            | 28.26                  | 10.95                          | 0.023553                        |
| 2024 | 3         | 3                     | 23580        | 0                       | 3             | 5094              | 13.04                            | 9.31                            | 55.43                  | 15.01                          | 0.031716                        |
| 2024 | 3         | 3                     | 76001        | 7600121                 | 3             | 18376             | 12.42                            | 8.50                            | 34.69                  | 12.35                          | 0.030774                        |
| 2024 | 3         | 3                     | 47555        | 0                       | 3             | 6849              | 10.63                            | 6.87                            | 45.38                  | 14.30                          | 0.031933                        |
| 2024 | 3         | 3                     | 15183        | 0                       | 3             | 1106              | 16.25                            | 4.32                            | 38.83                  | 13.97                          | 0.030789                        |
| 2024 | 3         | 3                     | 50001        | 5000102                 | 3             | 57847             | 17.05                            | 12.65                           | 32.33                  | 11.96                          | 0.018443                        |
| 2024 | 3         | 3                     | 23417        | 0                       | 3             | 16648             | 11.22                            | 5.60                            | 42.63                  | 15.98                          | 0.035267                        |
| 2024 | 3         | 3                     | 25815        | 0                       | 3             | 9394              | 7.72                             | 7.38                            | 37.04                  | 13.02                          | 0.041177                        |
| 2024 | 3         | 3                     | 5664         | 0                       | 3             | 7820              | 8.40                             | 7.27                            | 34.58                  | 11.90                          | 0.023995                        |
| 2024 | 3         | 3                     | 23001        | 2300103                 | 3             | 14641             | 12.04                            | 8.19                            | 40.83                  | 11.87                          | 0.021835                        |
| 2024 | 3         | 3                     | 18592        | 0                       | 3             | 4682              | 9.63                             | 8.30                            | 42.28                  | 14.85                          | 0.026276                        |
| 2024 | 3         | 3                     | 25245        | 0                       | 2             | 457               | 1.36                             | 0.91                            | 42.17                  | 35.15                          | 0.032333                        |
| 2024 | 3         | 3                     | 25491        | 0                       | 3             | 4646              | 9.49                             | 3.59                            | 35.86                  | 14.89                          | 0.035373                        |
| 2024 | 3         | 3                     | 68077        | 0                       | 3             | 12065             | 11.28                            | 9.80                            | 38.75                  | 12.05                          | 0.029792                        |
| 2024 | 3         | 3                     | 5837         | 0                       | 3             | 32196             | 7.57                             | 6.78                            | 40.07                  | 14.62                          | 0.026760                        |
| 2024 | 3         | 3                     | 5495         | 0                       | 3             | 3393              | 7.15                             | 5.39                            | 44.41                  | 14.52                          | 0.034847                        |
| 2024 | 3         | 3                     | 86885        | 0                       | 3             | 9308              | 11.86                            | 9.87                            | 41.18                  | 13.71                          | 0.032205                        |
| 2024 | 3         | 3                     | 20001        | 2000101                 | 3             | 33740             | 13.12                            | 9.83                            | 41.82                  | 11.22                          | 0.020718                        |
| 2024 | 3         | 3                     | 15806        | 0                       | 3             | 7732              | 15.55                            | 8.96                            | 34.82                  | 11.88                          | 0.024926                        |
| 2024 | 3         | 3                     | 70233        | 0                       | 3             | 1468              | 22.41                            | 5.94                            | 37.13                  | 11.91                          | 0.029998                        |
| 2024 | 3         | 3                     | 17616        | 0                       | 3             | 2964              | 7.63                             | 5.45                            | 41.46                  | 13.46                          | 0.030815                        |
| 2024 | 3         | 3                     | 68001        | 6800105                 | 3             | 8312              | 19.55                            | 12.17                           | 36.05                  | 10.27                          | 0.019917                        |
| 2024 | 3         | 3                     | 5667         | 0                       | 3             | 4535              | 9.84                             | 4.42                            | 33.71                  | 13.63                          | 0.025541                        |
| 2024 | 3         | 3                     | 17042        | 0                       | 3             | 9316              | 16.53                            | 7.92                            | 39.97                  | 11.61                          | 0.026664                        |
| 2024 | 3         | 3                     | 17001        | 0                       | 2             | 5837              | 3.87                             | 0.35                            | 55.58                  | 19.79                          | 0.074243                        |
| 2024 | 3         | 3                     | 44874        | 0                       | 3             | 2706              | 27.77                            | 6.06                            | 36.54                  | 12.10                          | 0.028966                        |
| 2024 | 3         | 3                     | 23001        | 2300105                 | 3             | 32972             | 15.04                            | 10.79                           | 40.13                  | 11.15                          | 0.020429                        |
| 2024 | 3         | 3                     | 54313        | 0                       | 3             | 1464              | 15.59                            | 7.42                            | 45.56                  | 13.88                          | 0.025692                        |
| 2024 | 3         | 3                     | 5001         | 0500107                 | 2             | 2443              | 3.31                             | 0.34                            | 44.04                  | 27.67                          | 0.062531                        |
| 2024 | 3         | 3                     | 5002         | 0                       | 3             | 2933              | 12.28                            | 4.39                            | 51.00                  | 15.25                          | 0.038015                        |
| 2024 | 3         | 3                     | 47707        | 0                       | 3             | 4307              | 12.23                            | 7.86                            | 34.23                  | 12.35                          | 0.023697                        |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIMESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COMUNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD_DESCARGA | INDICADOR_VELOCIDAD_AD_CARGA | INDICADOR_LATENCIA | INDICADOR_FLUCTUACION_FASE | INDICADOR_TASA_PERDIDA_PAQUETES |
|------|-----------|-------------------|--------------|---------------------|---------------|-------------------|------------------------------|------------------------------|--------------------|----------------------------|---------------------------------|
| 2024 | 3         | 3                 | 5284         | 0                   | 3             | 2910              | 9.83                         | 6.54                         | 36.06              | 12.07                      | 0.029473                        |
| 2024 | 3         | 3                 | 8372         | 0                   | 3             | 4069              | 14.74                        | 6.84                         | 41.47              | 13.36                      | 0.021384                        |
| 2024 | 3         | 3                 | 5030         | 0                   | 3             | 8951              | 14.59                        | 8.49                         | 34.01              | 12.45                      | 0.027465                        |
| 2024 | 3         | 3                 | 76364        | 0                   | 2             | 1732              | 2.85                         | 0.42                         | 51.27              | 28.34                      | 0.057075                        |
| 2024 | 3         | 3                 | 73411        | 0                   | 3             | 9345              | 14.24                        | 9.84                         | 34.26              | 12.73                      | 0.022389                        |
| 2024 | 3         | 3                 | 19300        | 0                   | 3             | 5428              | 15.69                        | 7.69                         | 33.93              | 14.24                      | 0.027230                        |
| 2024 | 3         | 3                 | 20060        | 0                   | 2             | 398               | 1.30                         | 0.34                         | 52.17              | 35.31                      | 0.046232                        |
| 2024 | 3         | 3                 | 20228        | 0                   | 3             | 10695             | 11.58                        | 6.93                         | 38.07              | 12.77                      | 0.027604                        |
| 2024 | 3         | 3                 | 5264         | 0                   | 2             | 145               | 1.05                         | 0.28                         | 53.98              | 41.14                      | 0.038364                        |
| 2024 | 3         | 3                 | 5400         | 0                   | 3             | 6212              | 15.35                        | 8.02                         | 53.30              | 13.72                      | 0.029594                        |
| 2024 | 3         | 3                 | 20001        | 2000103             | 3             | 27569             | 13.46                        | 7.06                         | 37.45              | 12.18                      | 0.026862                        |
| 2024 | 3         | 3                 | 70418        | 0                   | 3             | 3738              | 20.08                        | 6.61                         | 42.18              | 12.80                      | 0.027127                        |
| 2024 | 3         | 3                 | 66682        | 0                   | 3             | 31428             | 8.70                         | 6.19                         | 38.10              | 12.99                      | 0.029569                        |
| 2024 | 3         | 3                 | 13468        | 0                   | 3             | 11190             | 9.85                         | 6.43                         | 45.29              | 13.55                      | 0.030848                        |
| 2024 | 3         | 3                 | 76001        | 7600116             | 3             | 37358             | 16.44                        | 10.80                        | 28.50              | 10.92                      | 0.021929                        |
| 2024 | 3         | 3                 | 5250         | 0                   | 3             | 10566             | 7.29                         | 5.91                         | 37.77              | 14.82                      | 0.032678                        |
| 2024 | 3         | 3                 | 70124        | 0                   | 3             | 1111              | 7.18                         | 3.47                         | 59.94              | 17.36                      | 0.050261                        |
| 2024 | 3         | 3                 | 44279        | 0                   | 3             | 8858              | 13.03                        | 6.06                         | 49.95              | 15.19                      | 0.029492                        |
| 2024 | 3         | 3                 | 52788        | 0                   | 3             | 2824              | 23.83                        | 7.26                         | 38.46              | 11.41                      | 0.026134                        |
| 2024 | 3         | 3                 | 63190        | 0                   | 3             | 11284             | 11.42                        | 8.14                         | 39.51              | 11.92                      | 0.026899                        |
| 2024 | 3         | 3                 | 63272        | 0                   | 3             | 7528              | 17.89                        | 8.43                         | 39.97              | 11.82                      | 0.026109                        |
| 2024 | 3         | 3                 | 20001        | 2000102             | 3             | 31900             | 16.33                        | 10.60                        | 43.46              | 11.36                      | 0.021544                        |
| 2024 | 3         | 3                 | 47245        | 0                   | 3             | 9946              | 7.99                         | 9.12                         | 41.04              | 11.67                      | 0.033197                        |
| 2024 | 3         | 3                 | 68307        | 0                   | 3             | 45513             | 12.37                        | 8.74                         | 38.58              | 12.17                      | 0.022057                        |
| 2024 | 3         | 3                 | 66594        | 0                   | 3             | 7285              | 12.14                        | 7.46                         | 46.14              | 11.14                      | 0.026470                        |
| 2024 | 3         | 3                 | 25843        | 0                   | 3             | 29255             | 6.43                         | 9.50                         | 29.87              | 12.28                      | 0.019589                        |
| 2024 | 3         | 3                 | 13744        | 0                   | 3             | 2151              | 13.93                        | 9.30                         | 47.83              | 12.21                      | 0.033501                        |
| 2024 | 3         | 3                 | 73001        | 7300103             | 3             | 15884             | 17.47                        | 12.02                        | 32.38              | 11.46                      | 0.017576                        |
| 2024 | 3         | 3                 | 23466        | 0                   | 3             | 13471             | 11.41                        | 7.61                         | 80.98              | 14.10                      | 0.035881                        |
| 2024 | 3         | 3                 | 70215        | 0                   | 3             | 17011             | 14.75                        | 6.58                         | 43.36              | 12.05                      | 0.025135                        |
| 2024 | 3         | 3                 | 66001        | 0                   | 2             | 10034             | 3.49                         | 0.36                         | 53.51              | 23.31                      | 0.068867                        |
| 2024 | 3         | 3                 | 13052        | 0                   | 3             | 13643             | 9.68                         | 4.62                         | 36.51              | 15.29                      | 0.027983                        |
| 2024 | 3         | 3                 | 70717        | 0                   | 3             | 2555              | 17.45                        | 6.79                         | 40.14              | 12.74                      | 0.026528                        |
| 2024 | 3         | 3                 | 66400        | 0                   | 3             | 10665             | 9.13                         | 8.17                         | 35.13              | 10.74                      | 0.021933                        |
| 2024 | 3         | 3                 | 68001        | 6800115             | 3             | 20387             | 20.90                        | 15.06                        | 35.90              | 9.64                       | 0.016048                        |
| 2024 | 3         | 3                 | 20060        | 0                   | 3             | 14630             | 7.67                         | 6.88                         | 39.50              | 14.47                      | 0.026026                        |
| 2024 | 3         | 3                 | 25040        | 0                   | 3             | 5307              | 7.26                         | 6.03                         | 28.14              | 12.06                      | 0.025294                        |
| 2024 | 3         | 3                 | 8137         | 0                   | 3             | 1916              | 17.31                        | 5.02                         | 34.64              | 14.99                      | 0.031207                        |
| 2024 | 3         | 3                 | 5001         | 0500103             | 3             | 32962             | 10.44                        | 6.12                         | 31.86              | 13.63                      | 0.029673                        |
| 2024 | 3         | 3                 | 23001        | 2300101             | 3             | 13163             | 9.67                         | 8.31                         | 40.79              | 11.86                      | 0.021556                        |
| 2024 | 3         | 3                 | 76736        | 0                   | 3             | 7713              | 11.35                        | 9.34                         | 39.00              | 12.90                      | 0.036258                        |
| 2024 | 3         | 3                 | 20621        | 0                   | 3             | 9296              | 11.94                        | 7.81                         | 41.69              | 12.64                      | 0.025895                        |
| 2024 | 3         | 3                 | 44035        | 0                   | 3             | 11225             | 9.82                         | 8.25                         | 61.93              | 13.08                      | 0.040563                        |
| 2024 | 3         | 3                 | 50001        | 5000103             | 3             | 32306             | 18.11                        | 15.67                        | 31.70              | 11.00                      | 0.017226                        |
| 2024 | 3         | 3                 | 5172         | 0                   | 3             | 15473             | 7.29                         | 7.45                         | 34.42              | 13.69                      | 0.027403                        |
| 2024 | 3         | 3                 | 70713        | 0                   | 3             | 5926              | 15.76                        | 9.45                         | 48.28              | 12.68                      | 0.026379                        |
| 2024 | 3         | 3                 | 85440        | 0                   | 3             | 19227             | 9.46                         | 9.01                         | 43.09              | 13.83                      | 0.030918                        |
| 2024 | 3         | 3                 | 23001        | 2300104             | 3             | 22586             | 11.49                        | 9.02                         | 41.64              | 11.88                      | 0.022246                        |
| 2024 | 3         | 3                 | 41791        | 0                   | 3             | 3420              | 14.37                        | 5.84                         | 39.39              | 13.84                      | 0.031597                        |
| 2024 | 3         | 3                 | 5670         | 0                   | 3             | 5356              | 9.92                         | 4.91                         | 34.94              | 12.96                      | 0.029955                        |
| 2024 | 3         | 3                 | 19845        | 0                   | 2             | 226               | 1.59                         | 0.32                         | 52.45              | 43.68                      | 0.061844                        |
| 2024 | 3         | 3                 | 15087        | 0                   | 3             | 2930              | 7.06                         | 7.22                         | 37.05              | 14.22                      | 0.030405                        |
| 2024 | 3         | 3                 | 73352        | 0                   | 3             | 4828              | 9.18                         | 8.17                         | 34.59              | 13.40                      | 0.027669                        |
| 2024 | 3         | 3                 | 66088        | 0                   | 3             | 6096              | 12.49                        | 6.84                         | 38.89              | 12.05                      | 0.024865                        |
| 2024 | 3         | 3                 | 95001        | 0                   | 3             | 13868             | 14.87                        | 8.62                         | 35.14              | 13.41                      | 0.025275                        |
| 2024 | 3         | 3                 | 23660        | 0                   | 3             | 13800             | 19.02                        | 10.09                        | 37.32              | 11.41                      | 0.022564                        |
| 2024 | 3         | 3                 | 86568        | 0                   | 3             | 16330             | 10.97                        | 8.20                         | 43.43              | 14.51                      | 0.041656                        |
| 2024 | 3         | 3                 | 76001        | 7600122             | 3             | 14758             | 30.28                        | 13.44                        | 25.04              | 9.88                       | 0.022833                        |
| 2024 | 3         | 3                 | 76248        | 0                   | 3             | 17252             | 23.23                        | 9.25                         | 34.55              | 11.67                      | 0.026050                        |
| 2024 | 3         | 3                 | 27413        | 0                   | 3             | 1280              | 11.76                        | 5.68                         | 47.57              | 12.72                      | 0.031426                        |
| 2024 | 3         | 3                 | 68615        | 0                   | 3             | 2836              | 9.96                         | 5.36                         | 43.40              | 22.12                      | 0.040258                        |
| 2024 | 3         | 3                 | 52678        | 0                   | 3             | 3018              | 10.52                        | 4.10                         | 41.46              | 14.87                      | 0.031798                        |
| 2024 | 3         | 3                 | 17433        | 0                   | 3             | 3693              | 14.49                        | 7.88                         | 44.67              | 10.45                      | 0.024532                        |
| 2024 | 3         | 3                 | 50150        | 0                   | 3             | 5616              | 9.88                         | 4.79                         | 37.58              | 17.85                      | 0.032522                        |
| 2024 | 3         | 3                 | 20175        | 0                   | 3             | 5304              | 15.42                        | 7.74                         | 37.21              | 12.67                      | 0.024467                        |
| 2024 | 3         | 3                 | 50680        | 0                   | 3             | 3406              | 17.29                        | 8.30                         | 36.08              | 13.29                      | 0.031404                        |
| 2024 | 3         | 3                 | 70702        | 0                   | 3             | 2033              | 21.81                        | 5.88                         | 45.09              | 12.81                      | 0.029894                        |
| 2024 | 3         | 3                 | 5237         | 0                   | 3             | 6905              | 8.29                         | 6.52                         | 35.59              | 11.85                      | 0.035211                        |
| 2024 | 3         | 3                 | 52110        | 0                   | 3             | 4460              | 14.47                        | 6.03                         | 41.66              | 13.56                      | 0.031003                        |
| 2024 | 3         | 3                 | 5858         | 0                   | 3             | 5092              | 5.49                         | 6.00                         | 33.24              | 14.69                      | 0.022979                        |
| 2024 | 3         | 3                 | 15299        | 0                   | 3             | 6669              | 14.22                        | 9.30                         | 31.76              | 11.54                      | 0.021394                        |
| 2024 | 3         | 3                 | 25513        | 0                   | 3             | 15459             | 9.99                         | 7.17                         | 28.13              | 11.89                      | 0.023458                        |
| 2024 | 3         | 3                 | 73217        | 0                   | 3             | 3691              | 26.35                        | 9.94                         | 35.05              | 13.65                      | 0.029476                        |
| 2024 | 3         | 3                 | 54001        | 5400103             | 3             | 17585             | 11.29                        | 8.52                         | 37.00              | 12.41                      | 0.021828                        |
| 2024 | 3         | 3                 | 17614        | 0                   | 3             | 9470              | 11.81                        | 7.93                         | 39.71              | 10.93                      | 0.023226                        |
| 2024 | 3         | 3                 | 76275        | 0                   | 3             | 18121             | 10.20                        | 8.60                         | 38.53              | 12.74                      | 0.029752                        |
| 2024 | 3         | 3                 | 5079         | 0                   | 2             | 469               | 1.41                         | 0.33                         | 54.40              | 35.81                      | 0.049183                        |
| 2024 | 3         | 3                 | 25438        | 0                   | 3             | 2266              | 9.09                         | 6.33                         | 41.09              | 12.51                      | 0.039007                        |
| 2024 | 3         | 3                 | 13244        | 0                   | 3             | 10767             | 6.49                         | 6.15                         | 47.69              | 13.67                      | 0.035612                        |
| 2024 | 3         | 3                 | 5761         | 0                   | 3             | 6599              | 9.45                         | 3.44                         | 33.95              | 14.38                      | 0.032818                        |
| 2024 | 3         | 3                 | 23675        | 0                   | 3             | 2905              | 14.09                        | 7.11                         | 46.30              | 17.89                      | 0.027359                        |
| 2024 | 3         | 3                 | 52427        | 0                   | 3             | 1222              | 5.24                         | 6.92                         | 150.80             | 18.27                      | 0.040062                        |
| 2024 | 3         | 3                 | 5376         | 0                   | 3             | 23410             | 10.76                        | 5.13                         | 48.73              | 13.80                      | 0.033833                        |
| 2024 | 3         | 3                 | 85225        | 0                   | 3             | 3305              | 13.24                        | 4.82                         | 42.21              | 15.08                      | 0.038446                        |
| 2024 | 3         | 3                 | 81794        | 0                   | 2             | 416               | 1.01                         | 0.32                         | 60.33              | 44.22                      | 0.055380                        |
| 2024 | 3         | 3                 | 5607         | 0                   | 2             | 822               | 1.75                         | 0.31                         | 54.50              | 32.35                      | 0.063818                        |
| 2024 | 3         | 3                 | 19212        | 0                   | 3             | 3756              | 9.78                         | 7.14                         | 29.61              | 12.23                      | 0.026969                        |
| 2024 | 3         | 3                 | 15897        | 0                   | 3             | 1505              | 29.65                        | 9.78                         | 33.07              | 10.60                      | 0.020663                        |
| 2024 | 3         | 3                 | 76233        | 0                   | 3             | 13609             | 8.50                         | 4.35                         | 40.20              | 14.89                      | 0.049722                        |
| 2024 | 3         | 3                 | 41006        | 0                   | 3             | 5119              | 6.07                         | 4.86                         | 47.06              | 15.92                      | 0.049422                        |
| 2024 | 3         | 3                 | 44847        | 0                   | 3             | 13792             | 2.14                         | 3.73                         | 63.05              | 21.60                      | 0.048534                        |
| 2024 | 3         | 3                 | 5861         | 0                   | 3             | 3423              | 20.48                        | 6.90                         | 35.98              | 10.84                      | 0.030304                        |
| 2024 | 3         | 3                 | 76520        | 0                   | 2             | 4509              | 3.83                         | 0.35                         | 51.76              | 24.61                      | 0.066524                        |
| 2024 | 3         | 3                 | 47030        | 0                   | 3             | 2526              | 17.89                        | 6.39                         | 34.40              | 11.98                      | 0.027304                        |
| 2024 | 3         | 3                 | 25745        | 0                   | 3             | 4967              | 9.73                         | 5.05                         | 37.44              | 14.08                      | 0.027583                        |
| 2024 | 3         | 3                 | 25785        | 0                   | 3             | 16704             | 11.26                        | 6.99                         | 29.81              | 12.81                      | 0.024826                        |
| 2024 | 3         | 3                 | 86865        | 0                   | 3             | 8086              | 5.71                         | 8.62                         | 45.39              | 13.48                      | 0.041753                        |
| 2024 | 3         | 3                 | 73870        | 0                   | 3             | 1757              | 10.76                        | 5.48                         | 36.54              | 15.81                      | 0.034051                        |
| 2024 | 3         | 3                 | 41668        | 0                   | 3             | 5195              | 10.82                        | 8.11                         | 45.30              | 14.90                      | 0.035198                        |
| 2024 | 3         | 3                 | 63302        | 0                   | 3             | 3130              | 11.95                        | 7.36                         | 38.29              | 12.15                      | 0.029259                        |
| 2024 | 3         | 3                 | 15480        | 0                   | 3             | 3018              | 7.06                         | 4.61                         | 37.21              | 12.50                      | 0.022466                        |
| 2024 | 3         | 3                 | 63130        | 0                   | 3             | 25623             | 11.03                        | 6.68                         | 37.92              | 11.86                      | 0.027047                        |
| 2024 | 3         | 3                 | 73585        | 0                   | 3             | 6333              | 14.53                        | 8.30                         | 36.69              | 12.95                      | 0.028462                        |
| 2024 | 3         | 3                 | 5649         | 0                   | 3             | 3682              | 11.16                        | 5.01                         | 39.73              | 13.19                      | 0.029930                        |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIMESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COMUNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD_DESCARGA | INDICADOR_VELOCIDAD_CARGA | INDICADOR_LATENCIA | INDICADOR_FLUCTUACION_FASE | INDICADOR_TASA_PERDIDA_PAQUETES |
|------|-----------|-------------------|--------------|---------------------|---------------|-------------------|------------------------------|---------------------------|--------------------|----------------------------|---------------------------------|
| 2024 | 3         | 3                 | 81736        | 0                   | 3             | 12591             | 10.64                        | 9.62                      | 41.90              | 11.26                      | 0.032431                        |
| 2024 | 3         | 3                 | 73624        | 0                   | 3             | 4591              | 12.24                        | 6.68                      | 35.44              | 13.26                      | 0.023923                        |
| 2024 | 3         | 3                 | 5088         | 0                   | 2             | 5422              | 2.78                         | 0.36                      | 47.35              | 28.52                      | 0.054227                        |
| 2024 | 3         | 3                 | 5088         | 0508804             | 2             | 875               | 2.85                         | 0.34                      | 47.65              | 32.59                      | 0.055189                        |
| 2024 | 3         | 3                 | 8675         | 0                   | 3             | 2002              | 16.21                        | 9.67                      | 81.03              | 16.25                      | 0.024619                        |
| 2024 | 3         | 3                 | 25793        | 0                   | 3             | 4117              | 10.25                        | 5.47                      | 29.54              | 14.55                      | 0.026014                        |
| 2024 | 3         | 3                 | 47058        | 0                   | 3             | 7528              | 10.55                        | 8.39                      | 40.66              | 12.76                      | 0.024804                        |
| 2024 | 3         | 3                 | 5411         | 0                   | 3             | 1732              | 17.51                        | 6.96                      | 32.47              | 9.32                       | 0.027185                        |
| 2024 | 3         | 3                 | 68502        | 0                   | 3             | 715               | 20.28                        | 5.25                      | 39.27              | 13.72                      | 0.031591                        |
| 2024 | 3         | 3                 | 15476        | 0                   | 3             | 1898              | 13.36                        | 5.18                      | 35.26              | 13.60                      | 0.028670                        |
| 2024 | 3         | 3                 | 68235        | 0                   | 3             | 2871              | 12.83                        | 4.65                      | 41.95              | 14.10                      | 0.029610                        |
| 2024 | 3         | 3                 | 27050        | 0                   | 3             | 1758              | 11.03                        | 5.71                      | 48.53              | 14.40                      | 0.034415                        |
| 2024 | 3         | 3                 | 13140        | 0                   | 3             | 2332              | 15.90                        | 5.71                      | 38.89              | 13.73                      | 0.032508                        |
| 2024 | 3         | 3                 | 63001        | 0                   | 2             | 4166              | 3.92                         | 0.36                      | 57.25              | 21.10                      | 0.069381                        |
| 2024 | 3         | 3                 | 44650        | 0                   | 3             | 9696              | 15.38                        | 7.41                      | 43.09              | 14.32                      | 0.028310                        |
| 2024 | 3         | 3                 | 23001        | 2300102             | 3             | 9147              | 11.97                        | 8.54                      | 39.12              | 10.86                      | 0.019590                        |
| 2024 | 3         | 3                 | 5088         | 0508801             | 3             | 9495              | 12.94                        | 7.55                      | 31.91              | 11.76                      | 0.028268                        |
| 2024 | 3         | 3                 | 44090        | 0                   | 3             | 8522              | 10.93                        | 5.27                      | 51.33              | 15.06                      | 0.036720                        |
| 2024 | 3         | 3                 | 5541         | 0                   | 3             | 7178              | 6.02                         | 5.41                      | 33.12              | 14.55                      | 0.027696                        |
| 2024 | 3         | 3                 | 25488        | 0                   | 3             | 22289             | 9.98                         | 8.73                      | 36.92              | 14.67                      | 0.029264                        |
| 2024 | 3         | 3                 | 50577        | 0                   | 3             | 3191              | 15.32                        | 8.74                      | 33.73              | 12.94                      | 0.025128                        |
| 2024 | 3         | 3                 | 52838        | 0                   | 3             | 5885              | 12.47                        | 6.34                      | 41.88              | 14.60                      | 0.026355                        |
| 2024 | 3         | 3                 | 17486        | 0                   | 3             | 7381              | 9.59                         | 5.00                      | 49.06              | 13.96                      | 0.029107                        |
| 2024 | 3         | 3                 | 50350        | 0                   | 3             | 5787              | 5.84                         | 8.12                      | 66.06              | 16.32                      | 0.057572                        |
| 2024 | 3         | 3                 | 54003        | 0                   | 3             | 4073              | 11.75                        | 7.98                      | 42.25              | 13.24                      | 0.024921                        |
| 2024 | 3         | 3                 | 19455        | 0                   | 3             | 7982              | 11.15                        | 8.60                      | 40.07              | 11.92                      | 0.045115                        |
| 2024 | 3         | 3                 | 5088         | 0508806             | 3             | 16954             | 8.46                         | 5.72                      | 30.03              | 12.68                      | 0.030920                        |
| 2024 | 3         | 3                 | 17013        | 0                   | 3             | 4870              | 9.90                         | 5.78                      | 48.83              | 11.76                      | 0.037105                        |
| 2024 | 3         | 3                 | 5873         | 0                   | 3             | 1744              | 8.23                         | 8.65                      | 40.51              | 10.97                      | 0.027081                        |
| 2024 | 3         | 3                 | 25781        | 0                   | 3             | 3786              | 13.11                        | 7.19                      | 32.22              | 12.70                      | 0.025145                        |
| 2024 | 3         | 3                 | 5819         | 0                   | 3             | 2431              | 16.68                        | 6.39                      | 54.53              | 13.51                      | 0.037698                        |
| 2024 | 3         | 3                 | 17088        | 0                   | 2             | 183               | 1.48                         | 0.33                      | 60.36              | 39.35                      | 0.062072                        |
| 2024 | 3         | 3                 | 8685         | 0                   | 3             | 7488              | 19.87                        | 4.66                      | 35.27              | 12.40                      | 0.026039                        |
| 2024 | 3         | 3                 | 5234         | 0                   | 3             | 3568              | 8.46                         | 5.90                      | 37.69              | 13.36                      | 0.028243                        |
| 2024 | 3         | 3                 | 23068        | 0                   | 3             | 7678              | 8.06                         | 5.78                      | 52.03              | 14.38                      | 0.032134                        |
| 2024 | 3         | 3                 | 73148        | 0                   | 3             | 5920              | 15.94                        | 6.39                      | 34.85              | 13.25                      | 0.026155                        |
| 2024 | 3         | 3                 | 15632        | 0                   | 3             | 2045              | 17.76                        | 6.86                      | 36.18              | 13.87                      | 0.028760                        |
| 2024 | 3         | 3                 | 27361        | 0                   | 3             | 8404              | 4.09                         | 4.72                      | 45.08              | 16.98                      | 0.032947                        |
| 2024 | 3         | 3                 | 8606         | 0                   | 3             | 2539              | 8.57                         | 4.83                      | 41.67              | 13.82                      | 0.027081                        |
| 2024 | 3         | 3                 | 68081        | 0                   | 2             | 2139              | 3.05                         | 0.34                      | 49.13              | 28.88                      | 0.040353                        |
| 2024 | 3         | 3                 | 19698        | 0                   | 3             | 29192             | 11.73                        | 7.62                      | 36.38              | 13.03                      | 0.032297                        |
| 2024 | 3         | 3                 | 70523        | 0                   | 3             | 1214              | 17.55                        | 3.93                      | 37.59              | 12.80                      | 0.030186                        |
| 2024 | 3         | 3                 | 47660        | 0                   | 3             | 3491              | 10.48                        | 9.68                      | 35.47              | 11.92                      | 0.023652                        |
| 2024 | 3         | 3                 | 25168        | 0                   | 3             | 1320              | 24.31                        | 2.76                      | 39.40              | 15.64                      | 0.033806                        |
| 2024 | 3         | 3                 | 52490        | 0                   | 3             | 1335              | 9.69                         | 5.05                      | 45.33              | 15.30                      | 0.028959                        |
| 2024 | 3         | 3                 | 5890         | 0                   | 2             | 156               | 1.17                         | 0.29                      | 52.29              | 35.28                      | 0.033764                        |
| 2024 | 3         | 3                 | 50226        | 0                   | 3             | 10532             | 10.38                        | 8.35                      | 36.64              | 14.28                      | 0.026890                        |
| 2024 | 3         | 3                 | 15646        | 0                   | 3             | 8914              | 7.81                         | 8.18                      | 33.68              | 12.01                      | 0.024235                        |
| 2024 | 3         | 3                 | 76828        | 0                   | 3             | 2070              | 13.54                        | 7.44                      | 33.46              | 12.88                      | 0.023629                        |
| 2024 | 3         | 3                 | 23300        | 0                   | 3             | 2404              | 8.92                         | 6.44                      | 49.98              | 15.07                      | 0.057359                        |
| 2024 | 3         | 3                 | 27800        | 0                   | 3             | 2416              | 9.09                         | 5.31                      | 48.66              | 14.36                      | 0.029135                        |
| 2024 | 3         | 3                 | 25486        | 0                   | 3             | 7144              | 11.00                        | 6.22                      | 29.16              | 14.54                      | 0.027807                        |
| 2024 | 3         | 3                 | 25769        | 0                   | 3             | 8024              | 8.11                         | 6.01                      | 64.85              | 16.91                      | 0.041063                        |
| 2024 | 3         | 3                 | 25885        | 0                   | 3             | 2560              | 23.41                        | 7.37                      | 32.24              | 13.64                      | 0.023701                        |
| 2024 | 3         | 3                 | 68001        | 6800111             | 3             | 8452              | 17.04                        | 9.92                      | 38.91              | 11.08                      | 0.021279                        |
| 2024 | 3         | 3                 | 25736        | 0                   | 3             | 9519              | 13.16                        | 7.16                      | 33.86              | 13.18                      | 0.029381                        |
| 2024 | 3         | 3                 | 5148         | 0                   | 3             | 21726             | 8.05                         | 5.45                      | 37.31              | 13.84                      | 0.034352                        |
| 2024 | 3         | 3                 | 68861        | 0                   | 3             | 5229              | 8.02                         | 9.72                      | 42.96              | 15.23                      | 0.038761                        |
| 2024 | 3         | 3                 | 5790         | 0                   | 3             | 3983              | 19.75                        | 8.57                      | 43.44              | 11.25                      | 0.028046                        |
| 2024 | 3         | 3                 | 76248        | 0                   | 2             | 922               | 2.83                         | 0.35                      | 51.38              | 25.44                      | 0.054428                        |
| 2024 | 3         | 3                 | 76606        | 0                   | 3             | 3931              | 21.99                        | 6.89                      | 36.23              | 11.76                      | 0.025822                        |
| 2024 | 3         | 3                 | 17050        | 0                   | 3             | 2285              | 16.74                        | 6.95                      | 41.52              | 11.37                      | 0.026290                        |
| 2024 | 3         | 3                 | 47001        | 0                   | 2             | 4844              | 2.83                         | 0.36                      | 48.55              | 27.01                      | 0.059382                        |
| 2024 | 3         | 3                 | 47001        | 4700102             | 2             | 1356              | 2.71                         | 0.35                      | 47.75              | 23.78                      | 0.061651                        |
| 2024 | 3         | 3                 | 95015        | 0                   | 3             | 1122              | 37.51                        | 8.25                      | 37.36              | 12.78                      | 0.026195                        |
| 2024 | 3         | 3                 | 15238        | 0                   | 2             | 1915              | 2.61                         | 0.99                      | 41.22              | 27.63                      | 0.040921                        |
| 2024 | 3         | 3                 | 23686        | 0                   | 3             | 5460              | 11.04                        | 7.81                      | 48.47              | 15.23                      | 0.048038                        |
| 2024 | 3         | 3                 | 5036         | 0                   | 3             | 1015              | 12.88                        | 7.53                      | 36.73              | 11.07                      | 0.029035                        |
| 2024 | 3         | 3                 | 19110        | 0                   | 3             | 2195              | 16.16                        | 6.09                      | 38.65              | 14.21                      | 0.035256                        |
| 2024 | 3         | 3                 | 25878        | 0                   | 3             | 4531              | 15.34                        | 5.62                      | 34.23              | 13.30                      | 0.028009                        |
| 2024 | 3         | 3                 | 73001        | 7300113             | 3             | 7495              | 14.60                        | 10.92                     | 31.60              | 11.59                      | 0.019251                        |
| 2024 | 3         | 3                 | 47053        | 0                   | 3             | 6297              | 13.57                        | 5.62                      | 31.63              | 13.68                      | 0.029489                        |
| 2024 | 3         | 3                 | 76001        | 7600101             | 3             | 11634             | 14.75                        | 7.62                      | 29.85              | 11.18                      | 0.025076                        |
| 2024 | 3         | 3                 | 85250        | 0                   | 3             | 10555             | 7.46                         | 8.79                      | 40.30              | 12.69                      | 0.030317                        |
| 2024 | 3         | 3                 | 76246        | 0                   | 3             | 1037              | 19.11                        | 6.73                      | 44.52              | 13.73                      | 0.025461                        |
| 2024 | 3         | 3                 | 15425        | 0                   | 3             | 1427              | 21.90                        | 4.36                      | 34.51              | 12.77                      | 0.033443                        |
| 2024 | 3         | 3                 | 68572        | 0                   | 3             | 5526              | 8.94                         | 5.28                      | 38.38              | 14.24                      | 0.027691                        |
| 2024 | 3         | 3                 | 25718        | 0                   | 3             | 5422              | 10.23                        | 4.01                      | 32.93              | 16.74                      | 0.031636                        |
| 2024 | 3         | 3                 | 5885         | 0                   | 3             | 1983              | 18.09                        | 4.69                      | 33.96              | 15.09                      | 0.032611                        |
| 2024 | 3         | 3                 | 15455        | 0                   | 3             | 4243              | 11.72                        | 8.74                      | 28.92              | 9.90                       | 0.021579                        |
| 2024 | 3         | 3                 | 8832         | 0                   | 3             | 5661              | 14.03                        | 5.65                      | 35.87              | 12.99                      | 0.027695                        |
| 2024 | 3         | 3                 | 15861        | 0                   | 3             | 8129              | 14.24                        | 8.11                      | 35.18              | 13.15                      | 0.032285                        |
| 2024 | 3         | 3                 | 17877        | 0                   | 3             | 5392              | 12.89                        | 6.97                      | 38.08              | 10.69                      | 0.026103                        |
| 2024 | 3         | 3                 | 52240        | 0                   | 3             | 7058              | 12.20                        | 6.37                      | 42.28              | 12.82                      | 0.036944                        |
| 2024 | 3         | 3                 | 5101         | 0                   | 3             | 5856              | 9.36                         | 5.93                      | 36.20              | 14.04                      | 0.029484                        |
| 2024 | 3         | 3                 | 73001        | 7300104             | 3             | 25284             | 18.67                        | 12.53                     | 31.29              | 11.38                      | 0.017114                        |
| 2024 | 3         | 3                 | 70820        | 0                   | 3             | 6979              | 11.83                        | 6.97                      | 44.24              | 13.41                      | 0.030091                        |
| 2024 | 3         | 3                 | 13030        | 0                   | 3             | 1127              | 19.45                        | 5.61                      | 48.19              | 14.13                      | 0.028736                        |
| 2024 | 3         | 3                 | 73200        | 0                   | 3             | 3787              | 12.45                        | 6.29                      | 33.39              | 13.17                      | 0.032359                        |
| 2024 | 3         | 3                 | 47318        | 0                   | 3             | 1855              | 24.60                        | 7.91                      | 42.75              | 12.99                      | 0.031926                        |
| 2024 | 3         | 3                 | 91001        | 0                   | 3             | 20182             | 4.60                         | 4.75                      | 119.53             | 28.50                      | 0.050201                        |
| 2024 | 3         | 3                 | 17662        | 0                   | 3             | 5339              | 13.40                        | 8.47                      | 56.65              | 11.17                      | 0.031130                        |
| 2024 | 3         | 3                 | 76111        | 0                   | 2             | 964               | 3.76                         | 0.33                      | 50.61              | 29.04                      | 0.047825                        |
| 2024 | 3         | 3                 | 68001        | 6800101             | 3             | 11693             | 9.53                         | 7.40                      | 35.85              | 12.66                      | 0.023998                        |
| 2024 | 3         | 3                 | 15092        | 0                   | 3             | 676               | 37.55                        | 19.25                     | 27.81              | 6.41                       | 0.014877                        |
| 2024 | 3         | 3                 | 73124        | 0                   | 3             | 7451              | 12.12                        | 12.46                     | 36.13              | 11.10                      | 0.028979                        |
| 2024 | 3         | 3                 | 8558         | 0                   | 3             | 2601              | 2.01                         | 7.82                      | 41.17              | 10.85                      | 0.021242                        |
| 2024 | 3         | 3                 | 68689        | 0                   | 3             | 3899              | 7.13                         | 4.72                      | 43.28              | 16.38                      | 0.033654                        |
| 2024 | 3         | 3                 | 54001        | 0                   | 2             | 6271              | 2.97                         | 0.38                      | 46.07              | 28.10                      | 0.050816                        |
| 2024 | 3         | 3                 | 54001        | 5400105             | 2             | 597               | 3.88                         | 0.37                      | 44.71              | 21.74                      | 0.055974                        |
| 2024 | 3         | 3                 | 66687        | 0                   | 3             | 3343              | 8.28                         | 4.37                      | 39.60              | 13.97                      | 0.037832                        |
| 2024 | 3         | 3                 | 5591         | 0                   | 3             | 7630              | 9.90                         | 3.33                      | 63.42              | 15.98                      | 0.030948                        |
| 2024 | 3         | 3                 | 73001        | 7300110             | 3             | 26312             | 17.03                        | 11.37                     | 32.01              | 11.42                      | 0.019139                        |
| 2024 | 3         | 3                 | 8141         | 0                   | 3             | 1747              | 13.91                        | 10.18                     | 33.61              | 10.18                      | 0.027922                        |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIMESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COMUNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD_DESCARGA | INDICADOR_VELOCIDAD_AD_CARGA | INDICADOR_LATENCIA | INDICADOR_FLUCTUACION_FASE | INDICADOR_TASA_PERDIDA_PAQUETES |
|------|-----------|-------------------|--------------|---------------------|---------------|-------------------|------------------------------|------------------------------|--------------------|----------------------------|---------------------------------|
| 2024 | 3         | 3                 | 47980        | 0                   | 2             | 332               | 1.24                         | 0.29                         | 55.96              | 44.06                      | 0.053232                        |
| 2024 | 3         | 3                 | 19807        | 0                   | 3             | 7513              | 15.13                        | 7.58                         | 35.01              | 13.58                      | 0.029308                        |
| 2024 | 3         | 3                 | 20013        | 0                   | 3             | 12288             | 11.09                        | 6.40                         | 42.84              | 13.83                      | 0.027816                        |
| 2024 | 3         | 3                 | 5674         | 0                   | 3             | 2987              | 7.28                         | 3.00                         | 34.67              | 17.46                      | 0.039871                        |
| 2024 | 3         | 3                 | 5038         | 0                   | 3             | 2707              | 12.05                        | 5.30                         | 39.75              | 13.42                      | 0.032243                        |
| 2024 | 3         | 3                 | 15293        | 0                   | 3             | 952               | 28.77                        | 8.77                         | 35.20              | 11.98                      | 0.023983                        |
| 2024 | 3         | 3                 | 5842         | 0                   | 3             | 1199              | 12.37                        | 4.27                         | 37.02              | 12.64                      | 0.039683                        |
| 2024 | 3         | 3                 | 15753        | 0                   | 3             | 4520              | 17.42                        | 8.79                         | 36.89              | 11.10                      | 0.022678                        |
| 2024 | 3         | 3                 | 5585         | 0                   | 3             | 3691              | 15.11                        | 5.37                         | 54.89              | 13.03                      | 0.023905                        |
| 2024 | 3         | 3                 | 70742        | 0                   | 3             | 4679              | 11.92                        | 6.34                         | 46.16              | 12.39                      | 0.025010                        |
| 2024 | 3         | 3                 | 50318        | 0                   | 3             | 9264              | 9.56                         | 8.85                         | 35.62              | 13.68                      | 0.039636                        |
| 2024 | 3         | 3                 | 50370        | 0                   | 3             | 3773              | 8.65                         | 5.92                         | 55.52              | 18.09                      | 0.025730                        |
| 2024 | 3         | 3                 | 68406        | 0                   | 3             | 7510              | 17.22                        | 9.47                         | 42.19              | 13.30                      | 0.025428                        |
| 2024 | 3         | 3                 | 5088         | 0508801             | 2             | 142               | 2.35                         | 0.34                         | 46.98              | 34.82                      | 0.056664                        |
| 2024 | 3         | 3                 | 50590        | 0                   | 3             | 3759              | 6.74                         | 6.59                         | 41.56              | 17.04                      | 0.025218                        |
| 2024 | 3         | 3                 | 5001         | 0500101             | 3             | 18057             | 8.54                         | 6.08                         | 31.28              | 13.97                      | 0.028920                        |
| 2024 | 3         | 3                 | 66440        | 0                   | 3             | 4495              | 14.31                        | 8.19                         | 39.39              | 11.30                      | 0.025209                        |
| 2024 | 3         | 3                 | 54001        | 5400104             | 3             | 34183             | 11.07                        | 8.73                         | 38.33              | 12.74                      | 0.022331                        |
| 2024 | 3         | 3                 | 52354        | 0                   | 3             | 2533              | 17.27                        | 4.13                         | 39.49              | 15.02                      | 0.033066                        |
| 2024 | 3         | 3                 | 19824        | 0                   | 3             | 2418              | 8.49                         | 3.59                         | 38.43              | 15.56                      | 0.065622                        |
| 2024 | 3         | 3                 | 54109        | 0                   | 3             | 1053              | 11.26                        | 3.71                         | 42.83              | 15.67                      | 0.030687                        |
| 2024 | 3         | 3                 | 13430        | 0                   | 3             | 17148             | 12.25                        | 7.93                         | 45.74              | 12.03                      | 0.040985                        |
| 2024 | 3         | 3                 | 23182        | 0                   | 3             | 7439              | 14.76                        | 6.59                         | 46.64              | 13.99                      | 0.026814                        |
| 2024 | 3         | 3                 | 52573        | 0                   | 3             | 1753              | 12.59                        | 3.50                         | 41.93              | 16.12                      | 0.032748                        |
| 2024 | 3         | 3                 | 13212        | 0                   | 3             | 2373              | 12.31                        | 7.09                         | 44.24              | 15.89                      | 0.023755                        |
| 2024 | 3         | 3                 | 52885        | 0                   | 3             | 1583              | 19.21                        | 3.04                         | 41.72              | 15.16                      | 0.034921                        |
| 2024 | 3         | 3                 | 68549        | 0                   | 3             | 1712              | 14.07                        | 5.95                         | 49.88              | 16.82                      | 0.031499                        |
| 2024 | 3         | 3                 | 15638        | 0                   | 2             | 140               | 1.08                         | 1.12                         | 45.68              | 29.16                      | 0.060685                        |
| 2024 | 3         | 3                 | 15537        | 0                   | 3             | 1727              | 18.79                        | 7.49                         | 37.28              | 11.70                      | 0.023140                        |
| 2024 | 3         | 3                 | 54001        | 5400110             | 3             | 15618             | 9.54                         | 8.87                         | 36.43              | 12.29                      | 0.020931                        |
| 2024 | 3         | 3                 | 17174        | 0                   | 2             | 587               | 2.13                         | 0.32                         | 56.73              | 41.86                      | 0.037224                        |
| 2024 | 3         | 3                 | 5051         | 0                   | 3             | 4971              | 5.97                         | 5.42                         | 45.50              | 15.17                      | 0.031113                        |
| 2024 | 3         | 3                 | 85010        | 0                   | 3             | 17544             | 9.45                         | 10.17                        | 38.49              | 12.34                      | 0.031666                        |
| 2024 | 3         | 3                 | 66045        | 0                   | 3             | 2228              | 14.17                        | 4.13                         | 40.63              | 14.83                      | 0.033381                        |
| 2024 | 3         | 3                 | 20032        | 0                   | 3             | 2859              | 20.40                        | 6.88                         | 39.04              | 12.32                      | 0.024769                        |
| 2024 | 3         | 3                 | 25312        | 0                   | 3             | 9689              | 12.61                        | 7.89                         | 29.48              | 12.30                      | 0.024582                        |
| 2024 | 3         | 3                 | 5895         | 0                   | 3             | 5957              | 11.65                        | 7.29                         | 42.43              | 14.43                      | 0.029103                        |
| 2024 | 3         | 3                 | 66383        | 0                   | 3             | 1828              | 11.15                        | 6.45                         | 38.17              | 11.20                      | 0.026632                        |
| 2024 | 3         | 3                 | 52079        | 0                   | 3             | 3026              | 9.91                         | 3.36                         | 44.53              | 17.05                      | 0.036160                        |
| 2024 | 3         | 3                 | 27491        | 0                   | 3             | 1149              | 15.34                        | 5.86                         | 38.39              | 10.25                      | 0.024057                        |
| 2024 | 3         | 3                 | 15500        | 0                   | 3             | 1990              | 14.00                        | 6.35                         | 33.74              | 13.09                      | 0.028291                        |
| 2024 | 3         | 3                 | 5107         | 0                   | 3             | 1815              | 16.36                        | 7.62                         | 43.56              | 13.29                      | 0.032869                        |
| 2024 | 3         | 3                 | 19548        | 0                   | 3             | 7578              | 7.97                         | 6.60                         | 36.03              | 15.25                      | 0.031107                        |
| 2024 | 3         | 3                 | 76622        | 0                   | 3             | 6506              | 16.82                        | 7.68                         | 37.08              | 12.13                      | 0.030432                        |
| 2024 | 3         | 3                 | 76054        | 0                   | 3             | 644               | 14.88                        | 7.90                         | 44.43              | 12.01                      | 0.022012                        |
| 2024 | 3         | 3                 | 25867        | 0                   | 3             | 2164              | 22.22                        | 6.22                         | 29.33              | 11.65                      | 0.025240                        |
| 2024 | 3         | 3                 | 23670        | 0                   | 3             | 2756              | 16.01                        | 7.75                         | 40.32              | 14.99                      | 0.024733                        |
| 2024 | 3         | 3                 | 76377        | 0                   | 3             | 4028              | 23.34                        | 4.79                         | 35.43              | 12.92                      | 0.029986                        |
| 2024 | 3         | 3                 | 15740        | 0                   | 3             | 1640              | 15.97                        | 7.10                         | 34.62              | 13.24                      | 0.024689                        |
| 2024 | 3         | 3                 | 25483        | 0                   | 3             | 1431              | 9.20                         | 4.43                         | 34.07              | 12.36                      | 0.040517                        |
| 2024 | 3         | 3                 | 25797        | 0                   | 3             | 7411              | 11.12                        | 5.65                         | 33.47              | 13.89                      | 0.030659                        |
| 2024 | 3         | 3                 | 13442        | 0                   | 3             | 3405              | 17.36                        | 8.92                         | 46.52              | 13.79                      | 0.025155                        |
| 2024 | 3         | 3                 | 54001        | 5400101             | 3             | 46976             | 14.31                        | 11.59                        | 37.31              | 11.88                      | 0.018037                        |
| 2024 | 3         | 3                 | 68001        | 6800116             | 3             | 10417             | 22.15                        | 13.62                        | 35.93              | 10.07                      | 0.018859                        |
| 2024 | 3         | 3                 | 19693        | 0                   | 3             | 711               | 12.79                        | 4.05                         | 51.58              | 23.58                      | 0.035363                        |
| 2024 | 3         | 3                 | 5631         | 0                   | 2             | 1846              | 3.59                         | 0.35                         | 48.74              | 25.90                      | 0.086038                        |
| 2024 | 3         | 3                 | 5607         | 0                   | 3             | 14130             | 16.58                        | 5.76                         | 44.28              | 12.53                      | 0.029758                        |
| 2024 | 3         | 3                 | 47798        | 0                   | 3             | 1007              | 34.68                        | 10.65                        | 43.36              | 10.97                      | 0.023644                        |
| 2024 | 3         | 3                 | 5042         | 0                   | 3             | 10958             | 7.36                         | 4.83                         | 31.15              | 12.49                      | 0.029565                        |
| 2024 | 3         | 3                 | 19137        | 0                   | 3             | 3927              | 5.80                         | 3.64                         | 45.28              | 17.30                      | 0.051065                        |
| 2024 | 3         | 3                 | 54001        | 5400109             | 3             | 16655             | 10.19                        | 8.61                         | 36.01              | 12.38                      | 0.021055                        |
| 2024 | 3         | 3                 | 52287        | 0                   | 2             | 89                | 2.72                         | 0.81                         | 45.93              | 24.54                      | 0.024096                        |
| 2024 | 3         | 3                 | 5347         | 0                   | 3             | 1122              | 15.67                        | 4.69                         | 37.84              | 14.51                      | 0.028105                        |
| 2024 | 3         | 3                 | 19142        | 0                   | 3             | 5942              | 11.25                        | 6.37                         | 40.57              | 14.48                      | 0.045114                        |
| 2024 | 3         | 3                 | 52399        | 0                   | 3             | 5372              | 16.99                        | 7.13                         | 40.05              | 12.72                      | 0.027210                        |
| 2024 | 3         | 3                 | 13248        | 0                   | 3             | 502               | 19.97                        | 6.63                         | 45.22              | 11.65                      | 0.029114                        |
| 2024 | 3         | 3                 | 15763        | 0                   | 3             | 3529              | 11.90                        | 6.44                         | 36.98              | 12.98                      | 0.041551                        |
| 2024 | 3         | 3                 | 19050        | 0                   | 3             | 1693              | 14.74                        | 3.87                         | 46.53              | 20.64                      | 0.038335                        |
| 2024 | 3         | 3                 | 25372        | 0                   | 3             | 2629              | 8.36                         | 5.91                         | 36.59              | 15.08                      | 0.036102                        |
| 2024 | 3         | 3                 | 5318         | 0                   | 2             | 739               | 1.48                         | 0.32                         | 52.71              | 34.96                      | 0.055780                        |
| 2024 | 3         | 3                 | 20550        | 0                   | 3             | 5009              | 7.20                         | 5.25                         | 58.00              | 13.85                      | 0.039033                        |
| 2024 | 3         | 3                 | 47545        | 0                   | 3             | 1710              | 18.78                        | 4.36                         | 41.30              | 16.03                      | 0.044535                        |
| 2024 | 3         | 3                 | 66170        | 0                   | 2             | 3545              | 3.08                         | 0.36                         | 54.64              | 25.20                      | 0.073451                        |
| 2024 | 3         | 3                 | 27245        | 0                   | 3             | 5134              | 13.16                        | 10.00                        | 44.86              | 11.62                      | 0.027269                        |
| 2024 | 3         | 3                 | 81794        | 0                   | 3             | 11527             | 8.00                         | 6.12                         | 49.50              | 15.46                      | 0.043422                        |
| 2024 | 3         | 3                 | 76001        | 7600110             | 2             | 1267              | 4.80                         | 0.37                         | 49.67              | 20.64                      | 0.073843                        |
| 2024 | 3         | 3                 | 44560        | 0                   | 3             | 6330              | 4.03                         | 4.23                         | 66.49              | 18.13                      | 0.038939                        |
| 2024 | 3         | 3                 | 47170        | 0                   | 3             | 2684              | 12.60                        | 9.72                         | 50.94              | 10.80                      | 0.037588                        |
| 2024 | 3         | 3                 | 15466        | 0                   | 3             | 1703              | 18.00                        | 10.50                        | 37.79              | 10.37                      | 0.021411                        |
| 2024 | 3         | 3                 | 19622        | 0                   | 3             | 2082              | 23.35                        | 4.40                         | 37.34              | 14.90                      | 0.034351                        |
| 2024 | 3         | 3                 | 15600        | 0                   | 3             | 3259              | 16.89                        | 5.94                         | 44.15              | 12.83                      | 0.028881                        |
| 2024 | 3         | 3                 | 23807        | 0                   | 3             | 13342             | 4.43                         | 8.42                         | 53.72              | 13.43                      | 0.071355                        |
| 2024 | 3         | 3                 | 50001        | 0                   | 2             | 11862             | 4.05                         | 1.04                         | 37.61              | 24.35                      | 0.049484                        |
| 2024 | 3         | 3                 | 50001        | 5000106             | 2             | 1155              | 4.67                         | 1.15                         | 35.48              | 21.21                      | 0.048879                        |
| 2024 | 3         | 3                 | 23350        | 0                   | 3             | 2877              | 19.62                        | 12.37                        | 42.01              | 9.91                       | 0.022198                        |
| 2024 | 3         | 3                 | 5113         | 0                   | 3             | 5436              | 5.77                         | 4.45                         | 36.32              | 17.14                      | 0.028837                        |
| 2024 | 3         | 3                 | 5697         | 0                   | 3             | 9516              | 7.58                         | 4.35                         | 35.89              | 14.76                      | 0.031019                        |
| 2024 | 3         | 3                 | 73861        | 0                   | 3             | 3551              | 15.32                        | 7.66                         | 40.41              | 13.22                      | 0.027008                        |
| 2024 | 3         | 3                 | 19532        | 0                   | 3             | 5345              | 13.80                        | 6.81                         | 39.64              | 15.58                      | 0.032287                        |
| 2024 | 3         | 3                 | 47551        | 0                   | 3             | 2641              | 24.86                        | 6.79                         | 35.71              | 12.80                      | 0.029695                        |
| 2024 | 3         | 3                 | 41770        | 0                   | 3             | 3855              | 9.46                         | 5.40                         | 59.83              | 17.79                      | 0.037112                        |
| 2024 | 3         | 3                 | 52203        | 0                   | 3             | 842               | 17.30                        | 4.08                         | 40.82              | 15.98                      | 0.033714                        |
| 2024 | 3         | 3                 | 5615         | 0                   | 2             | 3701              | 2.50                         | 0.34                         | 51.81              | 32.59                      | 0.057616                        |
| 2024 | 3         | 3                 | 73347        | 0                   | 3             | 1547              | 21.58                        | 6.26                         | 36.29              | 11.72                      | 0.035201                        |
| 2024 | 3         | 3                 | 19130        | 0                   | 3             | 5409              | 9.86                         | 5.23                         | 35.75              | 15.39                      | 0.041374                        |
| 2024 | 3         | 3                 | 13042        | 0                   | 3             | 1207              | 17.36                        | 10.03                        | 51.21              | 10.79                      | 0.029628                        |
| 2024 | 3         | 3                 | 68655        | 0                   | 3             | 5199              | 12.25                        | 5.89                         | 44.01              | 16.13                      | 0.030612                        |
| 2024 | 3         | 3                 | 68820        | 0                   | 3             | 1678              | 12.42                        | 5.19                         | 40.76              | 14.89                      | 0.026698                        |
| 2024 | 3         | 3                 | 5172         | 0                   | 2             | 321               | 1.71                         | 0.34                         | 55.10              | 31.81                      | 0.039168                        |
| 2024 | 3         | 3                 | 23419        | 0                   | 3             | 2138              | 9.28                         | 7.19                         | 57.54              | 15.53                      | 0.039287                        |
| 2024 | 3         | 3                 | 50223        | 0                   | 3             | 3725              | 10.29                        | 7.43                         | 34.76              | 14.90                      | 0.024380                        |
| 2024 | 3         | 3                 | 73319        | 0                   | 3             | 8559              | 14.64                        | 9.81                         | 34.44              | 12.95                      | 0.025016                        |
| 2024 | 3         | 3                 | 86755        | 0                   | 3             | 1156              | 11.23                        | 4.15                         | 45.06              | 15.60                      | 0.030852                        |
| 2024 | 3         | 3                 | 73001        | 7300105             | 3             | 23029             | 19.05                        | 9.78                         | 31.20              | 11.71                      | 0.022027                        |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIMESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COMUNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD_DESCARGA | INDICADOR_VELOCIDAD_AD_CARGA | INDICADOR_LATENCIA | INDICADOR_FLUCTUACION_FASE | INDICADOR_TASA_PERDIDA_PAQUETES |
|------|-----------|-------------------|--------------|---------------------|---------------|-------------------|------------------------------|------------------------------|--------------------|----------------------------|---------------------------------|
| 2024 | 3         | 3                 | 70235        | 0                   | 3             | 1533              | 22.08                        | 12.41                        | 44.63              | 10.63                      | 0.019533                        |
| 2024 | 3         | 3                 | 99524        | 0                   | 3             | 1423              | 1.11                         | 3.65                         | 77.02              | 23.19                      | 0.055566                        |
| 2024 | 3         | 3                 | 5306         | 0                   | 3             | 3527              | 7.38                         | 6.37                         | 35.02              | 12.70                      | 0.044158                        |
| 2024 | 3         | 3                 | 25841        | 0                   | 3             | 2743              | 10.98                        | 4.90                         | 34.07              | 14.33                      | 0.028771                        |
| 2024 | 3         | 3                 | 68001        | 6800106             | 3             | 19500             | 21.55                        | 15.46                        | 35.81              | 9.76                       | 0.016794                        |
| 2024 | 3         | 3                 | 15839        | 0                   | 3             | 918               | 8.51                         | 4.48                         | 40.77              | 12.65                      | 0.046005                        |
| 2024 | 3         | 3                 | 17513        | 0                   | 3             | 1958              | 14.63                        | 5.17                         | 50.19              | 11.40                      | 0.029921                        |
| 2024 | 3         | 3                 | 5134         | 0                   | 3             | 708               | 6.68                         | 2.37                         | 41.01              | 22.93                      | 0.050284                        |
| 2024 | 3         | 3                 | 41357        | 0                   | 3             | 1773              | 10.07                        | 6.46                         | 49.65              | 14.38                      | 0.041893                        |
| 2024 | 3         | 3                 | 17088        | 0                   | 3             | 3518              | 6.66                         | 5.42                         | 42.56              | 14.23                      | 0.032889                        |
| 2024 | 3         | 3                 | 5125         | 0                   | 3             | 1503              | 6.74                         | 6.12                         | 34.42              | 12.03                      | 0.048113                        |
| 2024 | 3         | 3                 | 73168        | 0                   | 3             | 10738             | 7.70                         | 5.75                         | 40.14              | 16.76                      | 0.034687                        |
| 2024 | 3         | 3                 | 17272        | 0                   | 3             | 2215              | 13.77                        | 6.02                         | 45.94              | 11.53                      | 0.030712                        |
| 2024 | 3         | 3                 | 25862        | 0                   | 3             | 2765              | 18.78                        | 4.97                         | 29.95              | 12.61                      | 0.027158                        |
| 2024 | 3         | 3                 | 11001        | 1100112             | 2             | 6683              | 5.13                         | 0.39                         | 37.68              | 19.30                      | 0.072816                        |
| 2024 | 3         | 3                 | 25777        | 0                   | 3             | 2749              | 15.18                        | 3.99                         | 32.32              | 13.83                      | 0.030277                        |
| 2024 | 3         | 3                 | 54051        | 0                   | 3             | 1840              | 14.80                        | 4.24                         | 40.43              | 12.01                      | 0.026561                        |
| 2024 | 3         | 3                 | 18610        | 0                   | 3             | 2638              | 14.46                        | 6.14                         | 44.03              | 13.31                      | 0.029403                        |
| 2024 | 3         | 3                 | 41807        | 0                   | 3             | 2916              | 22.73                        | 6.16                         | 42.05              | 13.93                      | 0.036168                        |
| 2024 | 3         | 3                 | 5890         | 0                   | 3             | 3685              | 14.80                        | 4.92                         | 33.16              | 13.72                      | 0.028453                        |
| 2024 | 3         | 3                 | 23189        | 0                   | 3             | 8868              | 9.59                         | 7.86                         | 48.57              | 13.74                      | 0.030167                        |
| 2024 | 3         | 3                 | 50606        | 0                   | 3             | 11930             | 14.54                        | 7.71                         | 33.36              | 14.32                      | 0.033611                        |
| 2024 | 3         | 3                 | 5240         | 0                   | 3             | 2181              | 7.95                         | 2.85                         | 33.43              | 13.18                      | 0.049909                        |
| 2024 | 3         | 3                 | 13670        | 0                   | 3             | 3265              | 6.83                         | 4.83                         | 49.47              | 18.86                      | 0.029479                        |
| 2024 | 3         | 3                 | 25754        | 2575403             | 2             | 2675              | 3.54                         | 0.36                         | 37.78              | 23.29                      | 0.066161                        |
| 2024 | 3         | 3                 | 20517        | 0                   | 3             | 5286              | 5.74                         | 6.44                         | 58.57              | 12.65                      | 0.051867                        |
| 2024 | 3         | 3                 | 11001        | 1100116             | 2             | 8114              | 4.15                         | 0.37                         | 36.14              | 20.74                      | 0.070001                        |
| 2024 | 3         | 3                 | 25181        | 0                   | 3             | 5265              | 16.18                        | 10.39                        | 30.05              | 12.62                      | 0.025378                        |
| 2024 | 3         | 3                 | 76122        | 0                   | 3             | 5199              | 9.92                         | 10.28                        | 41.38              | 11.47                      | 0.030139                        |
| 2024 | 3         | 3                 | 5321         | 0                   | 3             | 5998              | 12.05                        | 7.50                         | 34.00              | 14.13                      | 0.031657                        |
| 2024 | 3         | 3                 | 17653        | 0                   | 3             | 4030              | 20.74                        | 8.42                         | 44.78              | 9.78                       | 0.022783                        |
| 2024 | 3         | 3                 | 20787        | 0                   | 3             | 2230              | 18.03                        | 4.86                         | 44.98              | 16.72                      | 0.033356                        |
| 2024 | 3         | 3                 | 25288        | 0                   | 3             | 3178              | 5.49                         | 3.70                         | 40.82              | 18.88                      | 0.055798                        |
| 2024 | 3         | 3                 | 50330        | 0                   | 3             | 3549              | 8.22                         | 2.58                         | 39.73              | 17.92                      | 0.032474                        |
| 2024 | 3         | 3                 | 13433        | 0                   | 3             | 3969              | 16.58                        | 5.00                         | 40.27              | 17.67                      | 0.028458                        |
| 2024 | 3         | 3                 | 5001         | 0500115             | 2             | 2127              | 5.18                         | 0.35                         | 47.11              | 25.91                      | 0.073299                        |
| 2024 | 3         | 3                 | 8436         | 0                   | 3             | 3002              | 10.49                        | 5.00                         | 39.47              | 12.31                      | 0.035219                        |
| 2024 | 3         | 3                 | 50400        | 0                   | 3             | 2960              | 21.74                        | 10.66                        | 36.59              | 13.37                      | 0.022093                        |
| 2024 | 3         | 3                 | 76001        | 7600107             | 2             | 1048              | 3.77                         | 0.34                         | 50.78              | 24.06                      | 0.075141                        |
| 2024 | 3         | 3                 | 19585        | 0                   | 3             | 1704              | 19.13                        | 7.21                         | 38.88              | 11.54                      | 0.028702                        |
| 2024 | 3         | 3                 | 19318        | 0                   | 3             | 2919              | 9.75                         | 7.49                         | 46.48              | 12.58                      | 0.028087                        |
| 2024 | 3         | 3                 | 41020        | 0                   | 3             | 3411              | 11.41                        | 8.19                         | 50.17              | 16.92                      | 0.044852                        |
| 2024 | 3         | 3                 | 25178        | 0                   | 3             | 8392              | 7.39                         | 6.92                         | 31.96              | 15.14                      | 0.032217                        |
| 2024 | 3         | 3                 | 19455        | 0                   | 2             | 470               | 1.80                         | 0.35                         | 54.32              | 30.02                      | 0.016234                        |
| 2024 | 3         | 3                 | 50711        | 0                   | 3             | 3835              | 12.07                        | 8.92                         | 36.06              | 13.39                      | 0.036433                        |
| 2024 | 3         | 3                 | 5266         | 0                   | 2             | 3498              | 5.19                         | 0.38                         | 46.51              | 18.85                      | 0.062872                        |
| 2024 | 3         | 3                 | 52381        | 0                   | 3             | 2140              | 11.65                        | 5.12                         | 49.21              | 17.00                      | 0.035140                        |
| 2024 | 3         | 3                 | 5001         | 0500110             | 2             | 5895              | 3.66                         | 0.36                         | 45.10              | 24.95                      | 0.069439                        |
| 2024 | 3         | 3                 | 18460        | 0                   | 3             | 1417              | 5.91                         | 6.91                         | 48.73              | 12.22                      | 0.077188                        |
| 2024 | 3         | 3                 | 25489        | 0                   | 3             | 2862              | 23.00                        | 5.31                         | 29.61              | 12.16                      | 0.031493                        |
| 2024 | 3         | 3                 | 41524        | 0                   | 3             | 12341             | 17.91                        | 8.66                         | 35.56              | 12.69                      | 0.031325                        |
| 2024 | 3         | 3                 | 25001        | 0                   | 3             | 1707              | 22.15                        | 2.80                         | 34.45              | 13.62                      | 0.043118                        |
| 2024 | 3         | 3                 | 76863        | 0                   | 3             | 1124              | 14.82                        | 4.24                         | 42.71              | 14.32                      | 0.033421                        |
| 2024 | 3         | 3                 | 5282         | 0                   | 3             | 2834              | 21.85                        | 6.18                         | 35.01              | 11.79                      | 0.029809                        |
| 2024 | 3         | 3                 | 70508        | 0                   | 3             | 3529              | 17.41                        | 6.48                         | 41.46              | 13.07                      | 0.026475                        |
| 2024 | 3         | 3                 | 5055         | 0                   | 3             | 1196              | 19.07                        | 5.62                         | 60.31              | 13.49                      | 0.031140                        |
| 2024 | 3         | 3                 | 52786        | 0                   | 3             | 3003              | 10.51                        | 4.24                         | 43.16              | 14.20                      | 0.037735                        |
| 2024 | 3         | 3                 | 54480        | 0                   | 3             | 1119              | 13.40                        | 4.12                         | 44.37              | 15.92                      | 0.033738                        |
| 2024 | 3         | 3                 | 15491        | 0                   | 3             | 9134              | 16.24                        | 8.83                         | 36.00              | 11.56                      | 0.024307                        |
| 2024 | 3         | 3                 | 54871        | 0                   | 3             | 821               | 19.80                        | 9.60                         | 39.84              | 10.31                      | 0.022648                        |
| 2024 | 3         | 3                 | 99001        | 0                   | 3             | 10044             | 1.61                         | 5.05                         | 124.02             | 22.61                      | 0.109451                        |
| 2024 | 3         | 3                 | 13688        | 0                   | 3             | 3216              | 9.97                         | 5.91                         | 50.56              | 14.08                      | 0.031346                        |
| 2024 | 3         | 3                 | 5390         | 0                   | 3             | 3927              | 12.83                        | 7.60                         | 34.55              | 10.64                      | 0.029516                        |
| 2024 | 3         | 3                 | 5490         | 0                   | 2             | 346               | 1.33                         | 0.28                         | 66.14              | 45.39                      | 0.028682                        |
| 2024 | 3         | 3                 | 5792         | 0                   | 3             | 1601              | 14.35                        | 4.86                         | 32.57              | 12.40                      | 0.029136                        |
| 2024 | 3         | 3                 | 54820        | 0                   | 3             | 3405              | 9.51                         | 3.79                         | 45.29              | 14.90                      | 0.038767                        |
| 2024 | 3         | 3                 | 47745        | 0                   | 3             | 7155              | 7.67                         | 8.16                         | 34.07              | 13.88                      | 0.040525                        |
| 2024 | 3         | 3                 | 5088         | 0508809             | 3             | 10906             | 13.37                        | 5.88                         | 30.42              | 13.74                      | 0.031564                        |
| 2024 | 3         | 3                 | 54223        | 0                   | 3             | 1092              | 17.84                        | 5.85                         | 38.80              | 11.45                      | 0.024850                        |
| 2024 | 3         | 3                 | 68770        | 0                   | 3             | 2504              | 26.02                        | 7.40                         | 45.04              | 11.70                      | 0.028187                        |
| 2024 | 3         | 3                 | 73067        | 0                   | 3             | 2059              | 17.01                        | 4.00                         | 36.78              | 15.23                      | 0.030999                        |
| 2024 | 3         | 3                 | 54810        | 0                   | 3             | 11720             | 10.38                        | 6.43                         | 44.49              | 17.00                      | 0.031796                        |
| 2024 | 3         | 3                 | 41349        | 0                   | 3             | 4232              | 14.38                        | 7.63                         | 44.84              | 13.07                      | 0.028241                        |
| 2024 | 3         | 3                 | 68755        | 0                   | 3             | 6730              | 20.25                        | 7.04                         | 37.13              | 12.11                      | 0.027345                        |
| 2024 | 3         | 3                 | 23001        | 2300109             | 3             | 4676              | 13.29                        | 7.01                         | 42.20              | 12.00                      | 0.023282                        |
| 2024 | 3         | 3                 | 52260        | 0                   | 3             | 2585              | 8.74                         | 3.29                         | 42.02              | 14.52                      | 0.031184                        |
| 2024 | 3         | 3                 | 23678        | 0                   | 3             | 1892              | 12.52                        | 4.95                         | 46.19              | 15.61                      | 0.032664                        |
| 2024 | 3         | 3                 | 5001         | 0500116             | 2             | 2506              | 3.97                         | 0.34                         | 45.35              | 23.13                      | 0.068374                        |
| 2024 | 3         | 3                 | 15664        | 0                   | 3             | 1190              | 17.12                        | 4.46                         | 37.05              | 13.88                      | 0.030172                        |
| 2024 | 3         | 3                 | 86749        | 0                   | 3             | 4326              | 15.48                        | 5.11                         | 44.83              | 14.53                      | 0.028331                        |
| 2024 | 3         | 3                 | 5480         | 0                   | 3             | 3755              | 4.33                         | 3.60                         | 48.49              | 15.99                      | 0.089428                        |
| 2024 | 3         | 3                 | 5854         | 0                   | 3             | 2536              | 23.34                        | 5.19                         | 39.37              | 13.22                      | 0.033548                        |
| 2024 | 3         | 3                 | 52001        | 0                   | 2             | 4348              | 2.79                         | 0.35                         | 54.55              | 29.01                      | 0.052091                        |
| 2024 | 3         | 3                 | 13894        | 0                   | 3             | 1866              | 22.89                        | 9.53                         | 47.72              | 13.38                      | 0.029524                        |
| 2024 | 3         | 3                 | 18247        | 0                   | 3             | 2970              | 12.05                        | 10.03                        | 42.47              | 12.02                      | 0.027142                        |
| 2024 | 3         | 3                 | 15693        | 0                   | 3             | 5185              | 10.62                        | 7.87                         | 33.20              | 10.12                      | 0.022433                        |
| 2024 | 3         | 3                 | 54660        | 0                   | 3             | 2554              | 20.10                        | 6.82                         | 42.08              | 13.49                      | 0.027701                        |
| 2024 | 3         | 3                 | 8560         | 0                   | 3             | 4471              | 19.46                        | 6.62                         | 36.53              | 11.96                      | 0.025521                        |
| 2024 | 3         | 3                 | 54599        | 0                   | 3             | 883               | 13.28                        | 7.25                         | 46.55              | 11.60                      | 0.051901                        |
| 2024 | 3         | 3                 | 73686        | 0                   | 3             | 670               | 18.71                        | 3.15                         | 35.04              | 13.85                      | 0.031340                        |
| 2024 | 3         | 3                 | 5209         | 0                   | 3             | 2825              | 12.20                        | 5.36                         | 34.91              | 11.75                      | 0.030627                        |
| 2024 | 3         | 3                 | 52540        | 0                   | 3             | 1269              | 3.02                         | 4.57                         | 61.98              | 16.13                      | 0.041415                        |
| 2024 | 3         | 3                 | 15162        | 0                   | 3             | 1628              | 20.38                        | 10.64                        | 32.43              | 7.94                       | 0.022023                        |
| 2024 | 3         | 3                 | 76306        | 0                   | 2             | 177               | 1.66                         | 0.30                         | 52.70              | 29.64                      | 0.056927                        |
| 2024 | 3         | 3                 | 11001        | 1100118             | 2             | 5450              | 2.99                         | 0.39                         | 36.94              | 24.10                      | 0.067037                        |
| 2024 | 3         | 3                 | 27077        | 0                   | 3             | 1353              | 7.19                         | 5.11                         | 37.96              | 12.90                      | 0.027899                        |
| 2024 | 3         | 3                 | 15507        | 0                   | 3             | 2036              | 14.16                        | 11.34                        | 38.98              | 11.80                      | 0.033372                        |
| 2024 | 3         | 3                 | 5040         | 0                   | 3             | 3842              | 7.19                         | 6.77                         | 36.30              | 13.25                      | 0.030518                        |
| 2024 | 3         | 3                 | 52405        | 0                   | 3             | 1122              | 12.07                        | 5.59                         | 41.64              | 15.83                      | 0.032008                        |
| 2024 | 3         | 3                 | 70771        | 0                   | 3             | 1845              | 16.61                        | 7.57                         | 45.37              | 13.37                      | 0.038554                        |
| 2024 | 3         | 3                 | 23464        | 0                   | 3             | 2113              | 17.60                        | 4.84                         | 40.35              | 13.49                      | 0.033172                        |
| 2024 | 3         | 3                 | 15690        | 0                   | 3             | 1131              | 40.34                        | 6.53                         | 34.59              | 9.90                       | 0.027023                        |
| 2024 | 3         | 3                 | 15204        | 0                   | 3             | 5656              | 17.90                        | 6.37                         | 35.33              | 13.81                      | 0.029532                        |
| 2024 | 3         | 3                 | 17495        | 0                   | 3             | 2065              | 10.29                        | 3.25                         | 58.63              | 13.07                      | 0.037126                        |





INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIMESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COMUNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD_DESCARGA | INDICADOR_VELOCIDAD_AD_CARGA | INDICADOR_LATENCIA | INDICADOR_FLUCTUACION_FASE | INDICADOR_TASA_PERDIDA_PAQUETES |
|------|-----------|-------------------|--------------|---------------------|---------------|-------------------|------------------------------|------------------------------|--------------------|----------------------------|---------------------------------|
| 2024 | 3         | 3                 | 15804        | 0                   | 3             | 1946              | 21.99                        | 8.96                         | 33.88              | 12.50                      | 0.024888                        |
| 2024 | 3         | 3                 | 68211        | 0                   | 3             | 1012              | 43.14                        | 8.52                         | 38.01              | 9.83                       | 0.022615                        |
| 2024 | 3         | 3                 | 41206        | 0                   | 3             | 1556              | 17.87                        | 8.65                         | 35.89              | 12.69                      | 0.030408                        |
| 2024 | 3         | 3                 | 5604         | 0                   | 3             | 4890              | 2.58                         | 5.60                         | 51.40              | 15.97                      | 0.071588                        |
| 2024 | 3         | 3                 | 20383        | 0                   | 3             | 4085              | 14.08                        | 5.52                         | 47.79              | 14.30                      | 0.029232                        |
| 2024 | 3         | 3                 | 15681        | 0                   | 3             | 2002              | 17.62                        | 5.85                         | 39.53              | 12.39                      | 0.060716                        |
| 2024 | 3         | 3                 | 47720        | 0                   | 3             | 874               | 13.59                        | 7.43                         | 35.86              | 12.07                      | 0.027412                        |
| 2024 | 3         | 3                 | 5051         | 0                   | 2             | 110               | 1.08                         | 0.30                         | 59.63              | 37.97                      | 0.040200                        |
| 2024 | 3         | 3                 | 27450        | 0                   | 3             | 604               | 27.29                        | 7.33                         | 42.02              | 11.82                      | 0.025191                        |
| 2024 | 3         | 3                 | 5264         | 0                   | 3             | 3632              | 13.70                        | 7.43                         | 33.32              | 12.68                      | 0.024956                        |
| 2024 | 3         | 3                 | 25743        | 0                   | 2             | 388               | 1.93                         | 1.00                         | 39.19              | 44.18                      | 0.053360                        |
| 2024 | 3         | 3                 | 5659         | 0                   | 3             | 3114              | 16.23                        | 7.67                         | 47.25              | 13.79                      | 0.025244                        |
| 2024 | 3         | 3                 | 27787        | 0                   | 3             | 3201              | 8.34                         | 7.30                         | 45.85              | 14.03                      | 0.031266                        |
| 2024 | 3         | 3                 | 18205        | 0                   | 3             | 1275              | 19.97                        | 7.52                         | 54.43              | 16.10                      | 0.030013                        |
| 2024 | 3         | 3                 | 73483        | 0                   | 3             | 3049              | 19.93                        | 5.70                         | 35.45              | 15.04                      | 0.024472                        |
| 2024 | 3         | 3                 | 8421         | 0                   | 3             | 3593              | 14.08                        | 8.53                         | 41.62              | 12.45                      | 0.029049                        |
| 2024 | 3         | 3                 | 19100        | 0                   | 3             | 1878              | 11.70                        | 3.90                         | 47.95              | 16.63                      | 0.040164                        |
| 2024 | 3         | 3                 | 76109        | 0                   | 2             | 1088              | 2.46                         | 0.31                         | 53.25              | 33.89                      | 0.049715                        |
| 2024 | 3         | 3                 | 68385        | 0                   | 3             | 2746              | 13.35                        | 4.75                         | 44.34              | 13.85                      | 0.044124                        |
| 2024 | 3         | 3                 | 25805        | 0                   | 3             | 1544              | 13.49                        | 3.60                         | 32.80              | 15.09                      | 0.036277                        |
| 2024 | 3         | 3                 | 25123        | 0                   | 3             | 5906              | 4.58                         | 4.56                         | 28.57              | 13.26                      | 0.034866                        |
| 2024 | 3         | 3                 | 13647        | 0                   | 3             | 3817              | 9.21                         | 7.89                         | 37.13              | 12.82                      | 0.024770                        |
| 2024 | 3         | 3                 | 13654        | 0                   | 3             | 2043              | 2.51                         | 8.87                         | 41.19              | 11.33                      | 0.080525                        |
| 2024 | 3         | 3                 | 76306        | 0                   | 3             | 4879              | 21.92                        | 4.83                         | 36.38              | 15.06                      | 0.038131                        |
| 2024 | 3         | 3                 | 13001        | 0                   | 2             | 8501              | 3.61                         | 0.34                         | 51.34              | 26.10                      | 0.065467                        |
| 2024 | 3         | 3                 | 13001        | 1300101             | 2             | 3910              | 4.06                         | 0.35                         | 51.12              | 22.39                      | 0.068036                        |
| 2024 | 3         | 3                 | 13473        | 0                   | 3             | 2318              | 17.55                        | 6.40                         | 43.99              | 10.63                      | 0.014400                        |
| 2024 | 3         | 3                 | 5483         | 0                   | 3             | 1255              | 19.49                        | 3.39                         | 45.62              | 13.41                      | 0.025143                        |
| 2024 | 3         | 3                 | 68051        | 0                   | 3             | 3000              | 18.82                        | 7.97                         | 40.67              | 12.92                      | 0.026864                        |
| 2024 | 3         | 3                 | 5690         | 0                   | 3             | 5372              | 19.04                        | 6.12                         | 34.30              | 11.52                      | 0.027502                        |
| 2024 | 3         | 3                 | 68895        | 0                   | 3             | 1432              | 16.61                        | 3.19                         | 34.30              | 12.05                      | 0.034675                        |
| 2024 | 3         | 3                 | 23855        | 0                   | 3             | 4446              | 5.06                         | 7.71                         | 44.63              | 12.43                      | 0.064223                        |
| 2024 | 3         | 3                 | 5197         | 0                   | 3             | 6208              | 8.50                         | 3.78                         | 41.40              | 14.36                      | 0.036417                        |
| 2024 | 3         | 3                 | 25086        | 0                   | 3             | 624               | 18.00                        | 4.77                         | 33.45              | 13.59                      | 0.028594                        |
| 2024 | 3         | 3                 | 52051        | 0                   | 3             | 1178              | 12.85                        | 4.75                         | 41.55              | 15.93                      | 0.035255                        |
| 2024 | 3         | 3                 | 47245        | 0                   | 2             | 252               | 1.42                         | 0.33                         | 57.05              | 36.66                      | 0.040372                        |
| 2024 | 3         | 3                 | 73226        | 0                   | 3             | 2329              | 16.14                        | 5.31                         | 35.41              | 13.49                      | 0.026598                        |
| 2024 | 3         | 3                 | 73283        | 0                   | 3             | 5440              | 5.83                         | 3.54                         | 37.40              | 18.03                      | 0.038964                        |
| 2024 | 3         | 3                 | 27006        | 0                   | 3             | 3822              | 4.87                         | 5.14                         | 43.15              | 15.47                      | 0.053692                        |
| 2024 | 3         | 3                 | 5467         | 0                   | 3             | 1043              | 18.06                        | 6.04                         | 63.13              | 14.33                      | 0.037554                        |
| 2024 | 3         | 3                 | 52687        | 0                   | 3             | 1842              | 10.77                        | 5.32                         | 47.73              | 13.15                      | 0.044541                        |
| 2024 | 3         | 3                 | 44098        | 0                   | 3             | 5624              | 20.14                        | 10.31                        | 65.70              | 12.27                      | 0.023907                        |
| 2024 | 3         | 3                 | 23001        | 0                   | 2             | 4888              | 2.91                         | 0.38                         | 53.97              | 25.53                      | 0.066556                        |
| 2024 | 3         | 3                 | 23001        | 2300101             | 2             | 351               | 2.64                         | 0.39                         | 52.61              | 22.17                      | 0.075782                        |
| 2024 | 3         | 3                 | 63212        | 0                   | 3             | 1315              | 18.03                        | 8.09                         | 43.60              | 17.58                      | 0.029432                        |
| 2024 | 3         | 3                 | 5154         | 0                   | 2             | 675               | 2.26                         | 0.32                         | 57.70              | 34.47                      | 0.061579                        |
| 2024 | 3         | 3                 | 11001        | 1100109             | 2             | 10664             | 4.40                         | 0.39                         | 36.48              | 22.26                      | 0.079629                        |
| 2024 | 3         | 3                 | 41615        | 0                   | 3             | 7850              | 19.53                        | 8.12                         | 34.73              | 13.67                      | 0.030681                        |
| 2024 | 3         | 3                 | 5088         | -1                  | 2             | 427               | 3.04                         | 0.57                         | 44.62              | 25.96                      | 0.066374                        |
| 2024 | 3         | 3                 | 19022        | 0                   | 3             | 1243              | 17.58                        | 6.87                         | 49.75              | 13.63                      | 0.038752                        |
| 2024 | 3         | 3                 | 15599        | 0                   | 3             | 3033              | 7.97                         | 6.86                         | 32.33              | 12.54                      | 0.022522                        |
| 2024 | 3         | 3                 | 73236        | 0                   | 3             | 1353              | 27.78                        | 10.20                        | 36.00              | 14.47                      | 0.024336                        |
| 2024 | 3         | 3                 | 54261        | 0                   | 3             | 7078              | 8.98                         | 6.54                         | 42.80              | 14.96                      | 0.027333                        |
| 2024 | 3         | 3                 | 50251        | 0                   | 3             | 1612              | 17.49                        | 9.33                         | 37.62              | 12.63                      | 0.027533                        |
| 2024 | 3         | 3                 | 73555        | 0                   | 3             | 2955              | 9.79                         | 8.69                         | 55.11              | 16.60                      | 0.049482                        |
| 2024 | 3         | 3                 | 41548        | 0                   | 3             | 2081              | 9.19                         | 3.11                         | 42.00              | 14.84                      | 0.034410                        |
| 2024 | 3         | 3                 | 13838        | 0                   | 3             | 2943              | 9.36                         | 3.49                         | 36.38              | 14.54                      | 0.033322                        |
| 2024 | 3         | 3                 | 47692        | 0                   | 3             | 3402              | 6.68                         | 8.12                         | 45.16              | 12.57                      | 0.031200                        |
| 2024 | 3         | 3                 | 73055        | 0                   | 3             | 4045              | 19.45                        | 10.35                        | 32.72              | 12.35                      | 0.028425                        |
| 2024 | 3         | 3                 | 11001        | 1100108             | 2             | 15854             | 3.60                         | 0.38                         | 37.78              | 24.15                      | 0.071280                        |
| 2024 | 3         | 3                 | 54673        | 0                   | 3             | 2540              | 12.12                        | 6.66                         | 39.24              | 13.89                      | 0.028976                        |
| 2024 | 3         | 3                 | 15837        | 0                   | 3             | 4304              | 11.83                        | 7.08                         | 37.43              | 13.01                      | 0.039106                        |
| 2024 | 3         | 3                 | 68079        | 0                   | 3             | 1476              | 16.12                        | 3.69                         | 39.25              | 13.71                      | 0.038695                        |
| 2024 | 3         | 3                 | 85430        | 0                   | 3             | 3242              | 9.19                         | 11.44                        | 34.38              | 12.97                      | 0.021039                        |
| 2024 | 3         | 3                 | 8001         | 0                   | 2             | 12058             | 4.32                         | 0.36                         | 43.49              | 21.89                      | 0.070852                        |
| 2024 | 3         | 3                 | 8001         | 0800102             | 2             | 1605              | 2.85                         | 0.35                         | 45.24              | 27.35                      | 0.064843                        |
| 2024 | 3         | 3                 | 41013        | 0                   | 3             | 2289              | 23.22                        | 6.70                         | 42.86              | 12.33                      | 0.034745                        |
| 2024 | 3         | 3                 | 18150        | 0                   | 3             | 5731              | 8.17                         | 7.83                         | 41.72              | 15.12                      | 0.028006                        |
| 2024 | 3         | 3                 | 25279        | 0                   | 3             | 3908              | 5.27                         | 5.23                         | 29.86              | 14.77                      | 0.027298                        |
| 2024 | 3         | 3                 | 19701        | 0                   | 3             | 1611              | 11.08                        | 3.14                         | 48.49              | 19.21                      | 0.030517                        |
| 2024 | 3         | 3                 | 66456        | 0                   | 3             | 2960              | 6.76                         | 5.18                         | 40.73              | 12.44                      | 0.036084                        |
| 2024 | 3         | 3                 | 52207        | 0                   | 3             | 2054              | 18.75                        | 5.01                         | 41.70              | 14.44                      | 0.029834                        |
| 2024 | 3         | 3                 | 5847         | 0                   | 3             | 3361              | 7.55                         | 5.09                         | 31.27              | 12.03                      | 0.027055                        |
| 2024 | 3         | 3                 | 23168        | 0                   | 3             | 1284              | 22.36                        | 7.13                         | 40.66              | 12.05                      | 0.030852                        |
| 2024 | 3         | 3                 | 25224        | 0                   | 3             | 3858              | 7.49                         | 3.76                         | 37.34              | 17.89                      | 0.031893                        |
| 2024 | 3         | 3                 | 5001         | 0500111             | 2             | 3426              | 4.70                         | 0.37                         | 43.86              | 21.43                      | 0.071782                        |
| 2024 | 3         | 3                 | 68500        | 0                   | 3             | 2336              | 22.86                        | 5.94                         | 38.45              | 12.20                      | 0.031120                        |
| 2024 | 3         | 3                 | 50006        | 0                   | 2             | 1122              | 3.80                         | 0.84                         | 42.48              | 34.03                      | 0.068233                        |
| 2024 | 3         | 3                 | 13650        | 0                   | 3             | 978               | 17.77                        | 4.45                         | 45.66              | 16.27                      | 0.031547                        |
| 2024 | 3         | 3                 | 23090        | 0                   | 3             | 1653              | 9.90                         | 9.82                         | 44.18              | 16.30                      | 0.036729                        |
| 2024 | 3         | 3                 | 68498        | 0                   | 3             | 406               | 20.69                        | 5.87                         | 37.12              | 12.29                      | 0.026063                        |
| 2024 | 3         | 3                 | 15638        | 0                   | 3             | 3363              | 16.53                        | 8.78                         | 39.74              | 11.96                      | 0.024016                        |
| 2024 | 3         | 3                 | 73408        | 0                   | 3             | 4488              | 16.95                        | 6.87                         | 30.78              | 12.60                      | 0.025562                        |
| 2024 | 3         | 3                 | 85139        | 0                   | 3             | 5943              | 5.92                         | 9.01                         | 61.87              | 13.20                      | 0.043940                        |
| 2024 | 3         | 3                 | 70823        | 0                   | 3             | 4151              | 22.01                        | 5.63                         | 42.24              | 13.70                      | 0.030100                        |
| 2024 | 3         | 3                 | 13222        | 0                   | 3             | 2462              | 23.41                        | 8.97                         | 37.17              | 11.03                      | 0.019957                        |
| 2024 | 3         | 3                 | 76001        | 7600102             | 2             | 2941              | 4.81                         | 0.41                         | 48.44              | 20.29                      | 0.061129                        |
| 2024 | 3         | 3                 | 13760        | 0                   | 3             | 1430              | 28.17                        | 10.91                        | 35.19              | 10.02                      | 0.016834                        |
| 2024 | 3         | 3                 | 47258        | 0                   | 3             | 1971              | 20.02                        | 11.29                        | 36.30              | 11.13                      | 0.026040                        |
| 2024 | 3         | 3                 | 13074        | 0                   | 3             | 1987              | 13.76                        | 8.86                         | 39.52              | 11.18                      | 0.023323                        |
| 2024 | 3         | 3                 | 63470        | 0                   | 2             | 666               | 3.48                         | 0.34                         | 55.01              | 32.97                      | 0.079397                        |
| 2024 | 3         | 3                 | 15621        | 0                   | 3             | 610               | 27.80                        | 7.31                         | 32.80              | 11.71                      | 0.025559                        |
| 2024 | 3         | 3                 | 68147        | 0                   | 3             | 1564              | 15.50                        | 6.94                         | 42.86              | 12.45                      | 0.024141                        |
| 2024 | 3         | 3                 | 73001        | 7300111             | 3             | 7687              | 14.06                        | 9.75                         | 31.66              | 12.75                      | 0.020312                        |
| 2024 | 3         | 3                 | 70708        | 0                   | 2             | 243               | 1.17                         | 0.34                         | 55.96              | 42.06                      | 0.041282                        |
| 2024 | 3         | 3                 | 11001        | 1100111             | 2             | 15946             | 4.37                         | 0.37                         | 36.97              | 19.82                      | 0.073740                        |
| 2024 | 3         | 3                 | 25823        | 0                   | 3             | 1137              | 22.60                        | 3.25                         | 30.81              | 13.91                      | 0.035551                        |
| 2024 | 3         | 3                 | 52435        | 0                   | 3             | 1887              | 10.29                        | 3.65                         | 43.78              | 17.41                      | 0.044385                        |
| 2024 | 3         | 3                 | 25851        | 0                   | 3             | 2086              | 17.76                        | 3.21                         | 29.40              | 10.38                      | 0.030371                        |
| 2024 | 3         | 3                 | 25436        | 0                   | 3             | 1161              | 14.04                        | 3.99                         | 36.62              | 11.85                      | 0.032699                        |
| 2024 | 3         | 3                 | 73504        | 0                   | 3             | 4377              | 8.15                         | 4.90                         | 38.60              | 17.76                      | 0.038981                        |
| 2024 | 3         | 3                 | 41660        | 0                   | 3             | 1432              | 22.44                        | 9.12                         | 38.19              | 13.68                      | 0.024394                        |
| 2024 | 3         | 3                 | 54245        | 0                   | 3             | 697               | 2.69                         | 2.06                         | 55.72              | 18.58                      | 0.070553                        |
| 2024 | 3         | 3                 | 15109        | 0                   | 3             | 1363              | 15.89                        | 11.17                        | 31.76              | 9.59                       | 0.024357                        |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIMESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COMUNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD_DESCARGA | INDICADOR_VELOCIDAD_AD_CARGA | INDICADOR_LATENCIA | INDICADOR_FLUCTUACION_FASE | INDICADOR_TASA_PERDIDA_PAQUETES |
|------|-----------|-------------------|--------------|---------------------|---------------|-------------------|------------------------------|------------------------------|--------------------|----------------------------|---------------------------------|
| 2024 | 3         | 3                 | 23570        | 0                   | 3             | 3379              | 12.17                        | 5.91                         | 52.49              | 18.19                      | 0.041786                        |
| 2024 | 3         | 3                 | 68773        | 0                   | 3             | 1006              | 10.80                        | 5.90                         | 40.81              | 12.55                      | 0.034548                        |
| 2024 | 3         | 3                 | 68547        | 0                   | 2             | 1124              | 1.91                         | 0.32                         | 47.42              | 29.46                      | 0.069614                        |
| 2024 | 3         | 3                 | 8549         | 0                   | 3             | 1330              | 33.92                        | 9.49                         | 35.53              | 11.86                      | 0.021602                        |
| 2024 | 3         | 3                 | 41503        | 0                   | 3             | 1199              | 23.41                        | 3.70                         | 41.05              | 15.03                      | 0.029839                        |
| 2024 | 3         | 3                 | 5364         | 0                   | 3             | 3775              | 5.43                         | 6.19                         | 53.32              | 12.97                      | 0.053531                        |
| 2024 | 3         | 3                 | 50683        | 0                   | 3             | 2201              | 21.47                        | 10.11                        | 34.31              | 13.22                      | 0.021885                        |
| 2024 | 3         | 3                 | 95025        | 0                   | 3             | 1029              | 9.38                         | 8.16                         | 39.57              | 17.33                      | 0.032978                        |
| 2024 | 3         | 3                 | 52683        | 0                   | 3             | 2444              | 16.72                        | 5.80                         | 43.50              | 14.46                      | 0.030580                        |
| 2024 | 3         | 3                 | 52258        | 0                   | 3             | 1326              | 9.66                         | 2.74                         | 41.06              | 17.13                      | 0.037502                        |
| 2024 | 3         | 3                 | 5212         | 0                   | 2             | 1069              | 2.84                         | 0.39                         | 49.28              | 27.68                      | 0.069940                        |
| 2024 | 3         | 3                 | 23500        | 0                   | 3             | 3096              | 6.54                         | 5.39                         | 49.88              | 16.25                      | 0.043442                        |
| 2024 | 3         | 3                 | 68745        | 0                   | 3             | 1700              | 15.24                        | 5.78                         | 40.39              | 16.92                      | 0.034826                        |
| 2024 | 3         | 3                 | 73270        | 0                   | 3             | 1918              | 11.80                        | 3.45                         | 34.36              | 18.02                      | 0.034043                        |
| 2024 | 3         | 3                 | 23815        | 0                   | 3             | 2011              | 9.44                         | 5.81                         | 42.49              | 15.14                      | 0.040074                        |
| 2024 | 3         | 3                 | 63212        | 0                   | 2             | 19                | 4.13                         | 1.01                         | 46.91              | 17.38                      | 0.068422                        |
| 2024 | 3         | 3                 | 15757        | 0                   | 3             | 4389              | 7.33                         | 8.61                         | 38.25              | 13.42                      | 0.033824                        |
| 2024 | 3         | 3                 | 52621        | 0                   | 3             | 626               | 0.47                         | 1.69                         | 54.70              | 22.40                      | 0.045016                        |
| 2024 | 3         | 3                 | 76001        | 7600114             | 2             | 809               | 2.25                         | 0.34                         | 51.13              | 32.25                      | 0.052526                        |
| 2024 | 3         | 3                 | 50124        | 0                   | 3             | 3437              | 14.19                        | 7.89                         | 38.31              | 15.57                      | 0.031376                        |
| 2024 | 3         | 3                 | 15272        | 0                   | 3             | 2337              | 16.27                        | 4.42                         | 37.55              | 13.61                      | 0.031337                        |
| 2024 | 3         | 3                 | 76834        | 0                   | 2             | 1756              | 4.56                         | 0.37                         | 47.90              | 24.52                      | 0.060249                        |
| 2024 | 3         | 3                 | 68229        | 0                   | 3             | 2064              | 18.33                        | 5.03                         | 38.80              | 12.91                      | 0.030489                        |
| 2024 | 3         | 3                 | 68255        | 0                   | 3             | 2600              | 11.30                        | 4.09                         | 38.65              | 14.59                      | 0.029046                        |
| 2024 | 3         | 3                 | 25297        | 0                   | 3             | 4376              | 5.74                         | 6.33                         | 36.90              | 12.16                      | 0.033855                        |
| 2024 | 3         | 3                 | 68780        | 0                   | 3             | 1254              | 8.39                         | 3.14                         | 35.25              | 14.14                      | 0.025914                        |
| 2024 | 3         | 3                 | 70215        | 0                   | 2             | 529               | 1.74                         | 0.34                         | 57.04              | 32.93                      | 0.065565                        |
| 2024 | 3         | 3                 | 68162        | 0                   | 3             | 1503              | 12.32                        | 4.64                         | 42.31              | 14.80                      | 0.027299                        |
| 2024 | 3         | 3                 | 5059         | 0                   | 3             | 1189              | 23.88                        | 8.52                         | 39.87              | 11.74                      | 0.024543                        |
| 2024 | 3         | 3                 | 76243        | 0                   | 3             | 1227              | 15.77                        | 5.60                         | 42.41              | 12.89                      | 0.028053                        |
| 2024 | 3         | 3                 | 70678        | 0                   | 3             | 3191              | 13.82                        | 8.15                         | 44.50              | 14.79                      | 0.038856                        |
| 2024 | 3         | 3                 | 23079        | 0                   | 3             | 2694              | 18.64                        | 6.83                         | 49.84              | 15.40                      | 0.034527                        |
| 2024 | 3         | 3                 | 5368         | 0                   | 3             | 3203              | 13.07                        | 5.71                         | 37.30              | 10.70                      | 0.032378                        |
| 2024 | 3         | 3                 | 41483        | 0                   | 3             | 1535              | 15.37                        | 12.33                        | 54.69              | 13.36                      | 0.031456                        |
| 2024 | 3         | 3                 | 41359        | 0                   | 3             | 3353              | 12.95                        | 8.15                         | 42.38              | 13.33                      | 0.035218                        |
| 2024 | 3         | 3                 | 5628         | 0                   | 3             | 907               | 14.22                        | 3.66                         | 32.71              | 14.47                      | 0.027467                        |
| 2024 | 3         | 3                 | 52354        | 0                   | 2             | 210               | 1.20                         | 0.48                         | 54.95              | 34.99                      | 0.025176                        |
| 2024 | 3         | 3                 | 76130        | 0                   | 2             | 1199              | 1.91                         | 0.39                         | 54.89              | 35.47                      | 0.047818                        |
| 2024 | 3         | 3                 | 52411        | 0                   | 3             | 1370              | 13.81                        | 4.18                         | 41.10              | 13.51                      | 0.027262                        |
| 2024 | 3         | 3                 | 5031         | 0                   | 3             | 3320              | 7.87                         | 7.74                         | 36.95              | 11.91                      | 0.030493                        |
| 2024 | 3         | 3                 | 54720        | 0                   | 3             | 5549              | 5.72                         | 4.80                         | 42.70              | 16.18                      | 0.029786                        |
| 2024 | 3         | 3                 | 18860        | 0                   | 3             | 1527              | 9.89                         | 4.50                         | 48.96              | 18.49                      | 0.034687                        |
| 2024 | 3         | 3                 | 5576         | 0                   | 3             | 1664              | 19.53                        | 9.20                         | 34.28              | 9.84                       | 0.022671                        |
| 2024 | 3         | 3                 | 23555        | 0                   | 3             | 11311             | 13.31                        | 8.31                         | 49.59              | 12.92                      | 0.026651                        |
| 2024 | 3         | 3                 | 20770        | 0                   | 3             | 4534              | 9.94                         | 8.75                         | 63.53              | 13.20                      | 0.029287                        |
| 2024 | 3         | 3                 | 19573        | 0                   | 2             | 357               | 1.89                         | 0.39                         | 53.90              | 37.12                      | 0.030160                        |
| 2024 | 3         | 3                 | 76892        | 0                   | 2             | 2015              | 3.35                         | 0.35                         | 50.41              | 25.86                      | 0.053228                        |
| 2024 | 3         | 3                 | 5045         | 0                   | 2             | 1241              | 2.36                         | 0.34                         | 54.27              | 32.60                      | 0.043859                        |
| 2024 | 3         | 3                 | 25430        | 0                   | 2             | 2661              | 3.07                         | 0.37                         | 38.97              | 27.90                      | 0.070633                        |
| 2024 | 3         | 3                 | 25530        | 0                   | 3             | 4544              | 16.27                        | 9.28                         | 38.50              | 13.37                      | 0.036463                        |
| 2024 | 3         | 3                 | 73152        | 0                   | 3             | 1521              | 23.35                        | 5.49                         | 35.80              | 13.01                      | 0.032645                        |
| 2024 | 3         | 3                 | 73520        | 0                   | 3             | 2355              | 16.65                        | 10.06                        | 33.64              | 13.16                      | 0.024414                        |
| 2024 | 3         | 3                 | 19397        | 0                   | 3             | 2125              | 20.38                        | 5.83                         | 37.70              | 13.16                      | 0.036288                        |
| 2024 | 3         | 3                 | 25148        | 0                   | 3             | 3382              | 29.38                        | 8.46                         | 33.17              | 11.78                      | 0.024031                        |
| 2024 | 3         | 3                 | 5361         | 0                   | 3             | 3021              | 10.53                        | 5.18                         | 58.30              | 13.30                      | 0.041834                        |
| 2024 | 3         | 3                 | 15764        | 0                   | 3             | 3015              | 23.00                        | 9.08                         | 37.12              | 12.17                      | 0.028016                        |
| 2024 | 3         | 3                 | 5347         | 0                   | 2             | 71                | 1.73                         | 0.32                         | 57.07              | 25.52                      | 0.057465                        |
| 2024 | 3         | 3                 | 86757        | 0                   | 3             | 2335              | 5.76                         | 4.71                         | 47.20              | 18.47                      | 0.047818                        |
| 2024 | 3         | 3                 | 52083        | 0                   | 3             | 1000              | 34.14                        | 6.76                         | 38.85              | 11.44                      | 0.027852                        |
| 2024 | 3         | 3                 | 25793        | 0                   | 2             | 170               | 0.97                         | 0.98                         | 46.92              | 34.69                      | 0.021407                        |
| 2024 | 3         | 3                 | 5647         | 0                   | 3             | 1837              | 19.30                        | 7.73                         | 52.22              | 15.67                      | 0.039270                        |
| 2024 | 3         | 3                 | 50287        | 0                   | 3             | 3812              | 15.03                        | 8.19                         | 38.05              | 12.43                      | 0.023594                        |
| 2024 | 3         | 3                 | 17524        | 0                   | 3             | 6853              | 15.55                        | 9.05                         | 41.59              | 10.96                      | 0.024243                        |
| 2024 | 3         | 3                 | 68524        | 0                   | 3             | 786               | 16.67                        | 6.68                         | 32.87              | 10.78                      | 0.028865                        |
| 2024 | 3         | 3                 | 73675        | 0                   | 3             | 2407              | 8.79                         | 3.68                         | 38.54              | 14.89                      | 0.026446                        |
| 2024 | 3         | 3                 | 13490        | 0                   | 3             | 1043              | 3.14                         | 4.75                         | 59.44              | 13.96                      | 0.035771                        |
| 2024 | 3         | 3                 | 68344        | 0                   | 3             | 649               | 18.25                        | 4.69                         | 38.87              | 13.25                      | 0.033644                        |
| 2024 | 3         | 3                 | 18756        | 0                   | 3             | 2474              | 11.78                        | 12.37                        | 40.58              | 12.75                      | 0.051146                        |
| 2024 | 3         | 3                 | 85125        | 0                   | 3             | 2598              | 9.12                         | 6.79                         | 45.35              | 14.17                      | 0.036204                        |
| 2024 | 3         | 3                 | 52227        | 0                   | 3             | 4786              | 14.06                        | 5.00                         | 41.85              | 15.55                      | 0.034720                        |
| 2024 | 3         | 3                 | 68872        | 0                   | 3             | 1288              | 7.63                         | 3.41                         | 39.73              | 13.34                      | 0.030671                        |
| 2024 | 3         | 3                 | 68855        | 0                   | 3             | 594               | 15.24                        | 4.54                         | 44.25              | 15.10                      | 0.040407                        |
| 2024 | 3         | 3                 | 73616        | 0                   | 3             | 3169              | 10.43                        | 7.16                         | 39.23              | 15.53                      | 0.029690                        |
| 2024 | 3         | 3                 | 41676        | 0                   | 3             | 2060              | 13.45                        | 6.67                         | 34.35              | 12.10                      | 0.024804                        |
| 2024 | 3         | 3                 | 25845        | 0                   | 3             | 1977              | 6.82                         | 3.32                         | 34.57              | 20.35                      | 0.042907                        |
| 2024 | 3         | 3                 | 15580        | 0                   | 3             | 1122              | 12.01                        | 5.75                         | 42.46              | 12.73                      | 0.028746                        |
| 2024 | 3         | 3                 | 15001        | 0                   | 2             | 3849              | 3.06                         | 1.15                         | 35.56              | 24.88                      | 0.052194                        |
| 2024 | 3         | 3                 | 19355        | 0                   | 3             | 4154              | 8.52                         | 4.09                         | 47.54              | 15.63                      | 0.040652                        |
| 2024 | 3         | 3                 | 25168        | 0                   | 2             | 106               | 1.55                         | 1.04                         | 53.23              | 24.47                      | 0.078649                        |
| 2024 | 3         | 3                 | 17444        | 0                   | 3             | 3223              | 8.61                         | 6.54                         | 47.33              | 11.65                      | 0.029512                        |
| 2024 | 3         | 3                 | 52215        | 0                   | 3             | 1651              | 11.41                        | 4.54                         | 41.80              | 14.73                      | 0.028658                        |
| 2024 | 3         | 3                 | 52560        | 0                   | 3             | 1702              | 15.61                        | 7.71                         | 43.32              | 13.03                      | 0.026799                        |
| 2024 | 3         | 3                 | 19450        | 0                   | 3             | 1531              | 22.43                        | 5.14                         | 41.41              | 15.65                      | 0.033910                        |
| 2024 | 3         | 3                 | 97001        | 0                   | 3             | 3801              | 1.13                         | 1.34                         | 617.19             | 29.50                      | 0.038313                        |
| 2024 | 3         | 3                 | 44001        | 0                   | 2             | 1085              | 2.44                         | 0.34                         | 61.31              | 34.12                      | 0.056798                        |
| 2024 | 3         | 3                 | 5425         | 0                   | 3             | 3976              | 12.40                        | 5.98                         | 36.56              | 12.40                      | 0.029952                        |
| 2024 | 3         | 3                 | 15248        | 0                   | 3             | 829               | 22.52                        | 7.42                         | 41.49              | 14.88                      | 0.028086                        |
| 2024 | 3         | 3                 | 54128        | 0                   | 3             | 1378              | 0.31                         | 2.22                         | 88.23              | 13.34                      | 0.050860                        |
| 2024 | 3         | 3                 | 23580        | 0                   | 2             | 174               | 1.31                         | 0.31                         | 64.44              | 39.10                      | 0.042656                        |
| 2024 | 3         | 3                 | 25873        | 0                   | 3             | 5728              | 15.59                        | 7.42                         | 32.40              | 13.40                      | 0.024397                        |
| 2024 | 3         | 3                 | 5001         | 0500101             | 2             | 541               | 2.08                         | 0.34                         | 47.79              | 30.60                      | 0.059527                        |
| 2024 | 3         | 3                 | 19760        | 0                   | 3             | 1348              | 14.40                        | 5.23                         | 43.99              | 15.63                      | 0.038154                        |
| 2024 | 3         | 3                 | 52250        | 0                   | 3             | 1514              | 9.16                         | 8.21                         | 49.59              | 12.69                      | 0.031618                        |
| 2024 | 3         | 3                 | 15778        | 0                   | 3             | 844               | 10.38                        | 2.89                         | 33.54              | 15.26                      | 0.033306                        |
| 2024 | 3         | 3                 | 8758         | 0                   | 2             | 3118              | 3.12                         | 0.35                         | 46.17              | 29.52                      | 0.056844                        |
| 2024 | 3         | 3                 | 8758         | 0875801             | 2             | 883               | 3.23                         | 0.34                         | 45.47              | 27.57                      | 0.059972                        |
| 2024 | 3         | 3                 | 15686        | 0                   | 3             | 1854              | 20.57                        | 5.69                         | 35.60              | 12.84                      | 0.024569                        |
| 2024 | 3         | 3                 | 17433        | 0                   | 2             | 233               | 1.84                         | 0.32                         | 63.40              | 31.45                      | 0.071427                        |
| 2024 | 3         | 3                 | 19075        | 0                   | 3             | 1891              | 9.81                         | 6.87                         | 43.56              | 15.10                      | 0.030466                        |
| 2024 | 3         | 3                 | 63130        | 0                   | 2             | 705               | 2.35                         | 0.34                         | 57.30              | 26.70                      | 0.058871                        |
| 2024 | 3         | 3                 | 76001        | 7600106             | 2             | 922               | 3.32                         | 0.33                         | 50.73              | 28.27                      | 0.049895                        |
| 2024 | 3         | 3                 | 15464        | 0                   | 3             | 692               | 14.82                        | 6.51                         | 33.34              | 9.79                       | 0.021409                        |
| 2024 | 3         | 3                 | 25286        | 0                   | 2             | 2893              | 3.24                         | 0.38                         | 38.03              | 23.25                      | 0.071971                        |
| 2024 | 3         | 3                 | 66572        | 0                   | 3             | 2175              | 26.76                        | 9.17                         | 41.73              | 10.74                      | 0.024531                        |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIM<br>ESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COM<br>UNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD<br>_DESCARGA | INDICADOR_VELOCID<br>AD_CARGA | INDICADOR_LATE<br>NCIA | INDICADOR_FLUCTU<br>ACION_FASE | INDICADOR_TASA_PERDIDA<br>_PAQU |
|------|-----------|-----------------------|--------------|-------------------------|---------------|-------------------|----------------------------------|-------------------------------|------------------------|--------------------------------|---------------------------------|
| 2024 | 3         | 3                     | 15232        | 0                       | 3             | 577               | 30.69                            | 9.49                          | 35.35                  | 11.12                          | 0.025440                        |
| 2024 | 3         | 3                     | 44847        | 0                       | 2             | 228               | 1.63                             | 0.61                          | 63.84                  | 50.78                          | 0.048616                        |
| 2024 | 3         | 3                     | 68406        | 0                       | 2             | 218               | 2.54                             | 0.37                          | 51.84                  | 35.18                          | 0.069444                        |
| 2024 | 3         | 3                     | 68464        | 0                       | 3             | 1381              | 8.81                             | 3.11                          | 42.12                  | 15.08                          | 0.026104                        |
| 2024 | 3         | 3                     | 23574        | 0                       | 3             | 1211              | 5.46                             | 5.03                          | 69.46                  | 20.70                          | 0.041162                        |
| 2024 | 3         | 3                     | 25645        | 0                       | 2             | 360               | 1.96                             | 0.75                          | 46.25                  | 37.38                          | 0.046244                        |
| 2024 | 3         | 3                     | 18001        | 0                       | 2             | 1918              | 2.72                             | 0.37                          | 55.88                  | 32.35                          | 0.047393                        |
| 2024 | 3         | 3                     | 17777        | 0                       | 3             | 4828              | 8.69                             | 7.13                          | 42.36                  | 12.64                          | 0.030879                        |
| 2024 | 3         | 3                     | 23686        | 0                       | 2             | 222               | 1.38                             | 0.33                          | 56.45                  | 31.02                          | 0.044798                        |
| 2024 | 3         | 3                     | 5380         | 0                       | 2             | 913               | 2.37                             | 0.34                          | 51.16                  | 31.59                          | 0.073728                        |
| 2024 | 3         | 3                     | 68720        | 0                       | 3             | 555               | 8.80                             | 8.67                          | 42.40                  | 10.60                          | 0.047628                        |
| 2024 | 3         | 3                     | 81065        | 0                       | 3             | 7110              | 7.63                             | 7.10                          | 68.99                  | 15.38                          | 0.046553                        |
| 2024 | 3         | 3                     | 27810        | 0                       | 3             | 1849              | 16.29                            | 6.03                          | 42.30                  | 16.49                          | 0.033039                        |
| 2024 | 3         | 3                     | 15835        | 0                       | 3             | 1790              | 21.82                            | 12.20                         | 33.30                  | 10.39                          | 0.018958                        |
| 2024 | 3         | 3                     | 68152        | 0                       | 3             | 531               | 24.90                            | 6.12                          | 33.46                  | 11.34                          | 0.025173                        |
| 2024 | 3         | 3                     | 8001         | 0800104                 | 2             | 4382              | 4.85                             | 0.37                          | 43.30                  | 21.18                          | 0.069754                        |
| 2024 | 3         | 3                     | 11001        | 1100103                 | 2             | 4437              | 4.60                             | 0.39                          | 35.69                  | 18.10                          | 0.078175                        |
| 2024 | 3         | 3                     | 25488        | 0                       | 2             | 679               | 2.88                             | 0.79                          | 40.05                  | 26.48                          | 0.043781                        |
| 2024 | 3         | 3                     | 50110        | 0                       | 3             | 4336              | 8.63                             | 9.20                          | 44.86                  | 14.03                          | 0.030176                        |
| 2024 | 3         | 3                     | 25281        | 0                       | 3             | 1303              | 8.59                             | 6.63                          | 30.70                  | 12.48                          | 0.030371                        |
| 2024 | 3         | 3                     | 25594        | 0                       | 3             | 3452              | 14.23                            | 4.76                          | 30.58                  | 14.96                          | 0.028094                        |
| 2024 | 3         | 3                     | 54518        | 0                       | 2             | 474               | 1.78                             | 0.35                          | 51.27                  | 40.24                          | 0.022775                        |
| 2024 | 3         | 3                     | 15755        | 0                       | 3             | 2093              | 9.76                             | 6.98                          | 37.24                  | 13.67                          | 0.026436                        |
| 2024 | 3         | 3                     | 17665        | 0                       | 3             | 1872              | 7.47                             | 5.48                          | 43.64                  | 13.62                          | 0.033994                        |
| 2024 | 3         | 3                     | 41885        | 0                       | 3             | 3157              | 9.05                             | 7.07                          | 61.44                  | 13.89                          | 0.039411                        |
| 2024 | 3         | 3                     | 23678        | 0                       | 2             | 192               | 0.66                             | 0.35                          | 61.71                  | 45.30                          | 0.023657                        |
| 2024 | 3         | 3                     | 15514        | 0                       | 3             | 1222              | 26.99                            | 8.40                          | 33.89                  | 10.37                          | 0.024037                        |
| 2024 | 3         | 3                     | 5837         | 0                       | 2             | 908               | 0.77                             | 0.29                          | 66.23                  | 45.26                          | 0.048267                        |
| 2024 | 3         | 3                     | 20001        | 0                       | 2             | 4866              | 3.04                             | 0.35                          | 53.86                  | 26.68                          | 0.064749                        |
| 2024 | 3         | 3                     | 20001        | 2000106                 | 2             | 515               | 4.56                             | 0.38                          | 51.86                  | 21.18                          | 0.068661                        |
| 2024 | 3         | 3                     | 68217        | 0                       | 3             | 557               | 23.99                            | 6.22                          | 42.39                  | 13.71                          | 0.033775                        |
| 2024 | 3         | 3                     | 50270        | 0                       | 3             | 1068              | 9.61                             | 3.75                          | 35.90                  | 15.43                          | 0.029023                        |
| 2024 | 3         | 3                     | 11001        | 1100113                 | 2             | 7855              | 5.50                             | 0.39                          | 35.47                  | 15.91                          | 0.083597                        |
| 2024 | 3         | 3                     | 50001        | 5000105                 | 2             | 2102              | 4.10                             | 1.11                          | 36.39                  | 23.10                          | 0.045065                        |
| 2024 | 3         | 3                     | 76403        | 0                       | 3             | 1769              | 21.21                            | 6.71                          | 41.01                  | 13.31                          | 0.035193                        |
| 2024 | 3         | 3                     | 81300        | 0                       | 3             | 2485              | 15.23                            | 7.55                          | 54.61                  | 14.18                          | 0.027822                        |
| 2024 | 3         | 3                     | 54174        | 0                       | 3             | 3989              | 13.60                            | 8.76                          | 40.16                  | 11.94                          | 0.021199                        |
| 2024 | 3         | 3                     | 68276        | 0                       | 2             | 2536              | 3.25                             | 0.35                          | 45.72                  | 26.85                          | 0.058312                        |
| 2024 | 3         | 3                     | 70001        | 0                       | 2             | 1459              | 2.18                             | 0.36                          | 49.19                  | 28.52                          | 0.058184                        |
| 2024 | 3         | 3                     | 5129         | 0                       | 2             | 849               | 2.11                             | 0.36                          | 52.25                  | 30.14                          | 0.051550                        |
| 2024 | 3         | 3                     | 15097        | 0                       | 3             | 1769              | 24.37                            | 7.44                          | 37.97                  | 11.30                          | 0.022014                        |
| 2024 | 3         | 3                     | 50001        | 5000102                 | 2             | 1518              | 4.74                             | 1.11                          | 35.22                  | 22.82                          | 0.051816                        |
| 2024 | 3         | 3                     | 13001        | 1300103                 | 2             | 2396              | 3.42                             | 0.34                          | 51.21                  | 28.48                          | 0.065934                        |
| 2024 | 3         | 3                     | 25175        | 0                       | 2             | 3948              | 3.79                             | 0.39                          | 38.88                  | 20.72                          | 0.069541                        |
| 2024 | 3         | 3                     | 73001        | 0                       | 2             | 7926              | 3.35                             | 0.36                          | 40.42                  | 25.32                          | 0.067532                        |
| 2024 | 3         | 3                     | 73001        | 7300103                 | 2             | 353               | 4.15                             | 0.38                          | 38.50                  | 20.55                          | 0.078702                        |
| 2024 | 3         | 3                     | 15720        | 0                       | 3             | 604               | 27.02                            | 6.39                          | 38.27                  | 14.39                          | 0.029290                        |
| 2024 | 3         | 3                     | 17867        | 0                       | 3             | 3739              | 7.62                             | 5.85                          | 59.19                  | 12.64                          | 0.037857                        |
| 2024 | 3         | 3                     | 52435        | 0                       | 2             | 104               | 1.25                             | 0.35                          | 58.23                  | 47.45                          | 0.034847                        |
| 2024 | 3         | 3                     | 54001        | 5400110                 | 2             | 319               | 2.37                             | 0.43                          | 46.48                  | 39.23                          | 0.036313                        |
| 2024 | 3         | 3                     | 41378        | 0                       | 3             | 1761              | 6.34                             | 7.37                          | 55.78                  | 14.35                          | 0.031675                        |
| 2024 | 3         | 3                     | 25053        | 0                       | 3             | 3288              | 18.10                            | 6.18                          | 34.76                  | 14.93                          | 0.028275                        |
| 2024 | 3         | 3                     | 25518        | 0                       | 3             | 1395              | 28.02                            | 6.48                          | 31.31                  | 10.98                          | 0.029202                        |
| 2024 | 3         | 3                     | 68682        | 0                       | 3             | 370               | 16.96                            | 4.34                          | 35.99                  | 10.03                          | 0.022850                        |
| 2024 | 3         | 3                     | 54099        | 0                       | 3             | 1512              | 14.00                            | 5.37                          | 39.55                  | 13.40                          | 0.029206                        |
| 2024 | 3         | 3                     | 68770        | 0                       | 2             | 322               | 2.14                             | 0.70                          | 48.38                  | 33.56                          | 0.032604                        |
| 2024 | 3         | 3                     | 5809         | 0                       | 3             | 3497              | 11.78                            | 5.03                          | 42.69                  | 16.24                          | 0.029186                        |
| 2024 | 3         | 3                     | 15455        | 0                       | 2             | 172               | 1.22                             | 0.98                          | 46.30                  | 39.05                          | 0.054429                        |
| 2024 | 3         | 3                     | 50001        | 5000103                 | 2             | 824               | 5.15                             | 1.12                          | 35.17                  | 25.89                          | 0.040154                        |
| 2024 | 3         | 3                     | 25290        | 0                       | 2             | 2579              | 2.96                             | 1.07                          | 36.62                  | 27.74                          | 0.053278                        |
| 2024 | 3         | 3                     | 5360         | 0                       | 2             | 3722              | 4.23                             | 0.36                          | 46.86                  | 22.34                          | 0.075852                        |
| 2024 | 3         | 3                     | 25126        | 0                       | 2             | 1913              | 2.90                             | 0.37                          | 39.38                  | 26.77                          | 0.080713                        |
| 2024 | 3         | 3                     | 15667        | 0                       | 3             | 1190              | 37.30                            | 13.88                         | 34.34                  | 9.69                           | 0.019562                        |
| 2024 | 3         | 3                     | 13140        | 0                       | 2             | 86                | 1.48                             | 0.41                          | 62.25                  | 36.42                          | 0.039686                        |
| 2024 | 3         | 3                     | 23586        | 0                       | 3             | 1790              | 10.44                            | 7.84                          | 44.04                  | 12.49                          | 0.042016                        |
| 2024 | 3         | 3                     | 85300        | 0                       | 3             | 1027              | 14.01                            | 2.40                          | 39.18                  | 15.81                          | 0.044461                        |
| 2024 | 3         | 3                     | 50568        | 0                       | 2             | 727               | 1.97                             | 0.60                          | 53.30                  | 46.66                          | 0.046361                        |
| 2024 | 3         | 3                     | 8001         | 0800101                 | 2             | 1743              | 4.03                             | 0.36                          | 43.69                  | 24.56                          | 0.077353                        |
| 2024 | 3         | 3                     | 86001        | 0                       | 2             | 509               | 1.90                             | 0.36                          | 55.24                  | 43.22                          | 0.051275                        |
| 2024 | 3         | 3                     | 41026        | 0                       | 3             | 2655              | 19.65                            | 5.85                          | 41.69                  | 13.61                          | 0.044421                        |
| 2024 | 3         | 3                     | 5308         | 0                       | 2             | 860               | 1.84                             | 0.38                          | 51.99                  | 20.95                          | 0.071985                        |
| 2024 | 3         | 3                     | 11001        | 1100104                 | 2             | 4465              | 3.04                             | 0.38                          | 36.77                  | 23.69                          | 0.057386                        |
| 2024 | 3         | 3                     | 11001        | 1100107                 | 2             | 8697              | 2.67                             | 0.38                          | 39.33                  | 27.37                          | 0.062695                        |
| 2024 | 3         | 3                     | 73585        | 0                       | 2             | 202               | 2.22                             | 0.32                          | 46.34                  | 32.95                          | 0.065544                        |
| 2024 | 3         | 3                     | 5001         | 0500105                 | 2             | 1926              | 2.78                             | 0.34                          | 47.62                  | 31.76                          | 0.054947                        |
| 2024 | 3         | 3                     | 76020        | 0                       | 3             | 3141              | 11.46                            | 6.78                          | 43.79                  | 13.51                          | 0.031826                        |
| 2024 | 3         | 3                     | 81591        | 0                       | 3             | 877               | 9.07                             | 6.49                          | 66.61                  | 12.93                          | 0.058173                        |
| 2024 | 3         | 3                     | 5856         | 0                       | 3             | 1834              | 10.27                            | 3.42                          | 36.04                  | 12.92                          | 0.033810                        |
| 2024 | 3         | 3                     | 5543         | 0                       | 3             | 1687              | 14.53                            | 4.62                          | 46.62                  | 11.83                          | 0.043329                        |
| 2024 | 3         | 3                     | 52378        | 0                       | 3             | 1905              | 18.02                            | 3.43                          | 42.45                  | 14.42                          | 0.037232                        |
| 2024 | 3         | 3                     | 19821        | 0                       | 3             | 2030              | 10.11                            | 5.05                          | 35.67                  | 14.81                          | 0.038712                        |
| 2024 | 3         | 3                     | 25154        | 0                       | 3             | 2527              | 12.34                            | 4.22                          | 37.80                  | 14.87                          | 0.034866                        |
| 2024 | 3         | 3                     | 68344        | 0                       | 2             | 13                | 2.63                             | 0.50                          | 44.77                  | 31.04                          | 0.016495                        |
| 2024 | 3         | 3                     | 76001        | 7600112                 | 2             | 745               | 2.59                             | 0.33                          | 50.48                  | 32.66                          | 0.045138                        |
| 2024 | 3         | 3                     | 8001         | 0800105                 | 2             | 2265              | 5.07                             | 0.39                          | 42.46                  | 16.13                          | 0.069833                        |
| 2024 | 3         | 3                     | 25407        | 0                       | 3             | 4149              | 9.52                             | 6.41                          | 45.37                  | 17.11                          | 0.025686                        |
| 2024 | 3         | 3                     | 25386        | 0                       | 2             | 751               | 2.14                             | 0.84                          | 42.76                  | 37.40                          | 0.048134                        |
| 2024 | 3         | 3                     | 68320        | 0                       | 3             | 596               | 7.73                             | 1.77                          | 39.73                  | 16.85                          | 0.036456                        |
| 2024 | 3         | 3                     | 11001        | 1100105                 | 2             | 4852              | 2.23                             | 0.38                          | 40.78                  | 28.26                          | 0.052982                        |
| 2024 | 3         | 3                     | 13006        | 0                       | 3             | 1330              | 20.91                            | 5.93                          | 58.72                  | 13.16                          | 0.033048                        |
| 2024 | 3         | 3                     | 25839        | 0                       | 3             | 3087              | 21.78                            | 5.31                          | 33.08                  | 12.26                          | 0.055608                        |
| 2024 | 3         | 3                     | 68001        | 0                       | 2             | 6164              | 4.09                             | 0.36                          | 45.47                  | 26.18                          | 0.060055                        |
| 2024 | 3         | 3                     | 68001        | 6800117                 | 2             | 221               | 2.70                             | 0.32                          | 46.29                  | 30.31                          | 0.062124                        |
| 2024 | 3         | 3                     | 41548        | 0                       | 2             | 146               | 1.20                             | 0.64                          | 56.35                  | 37.94                          | 0.036641                        |
| 2024 | 3         | 3                     | 25328        | 0                       | 2             | 36                | 1.29                             | 0.53                          | 52.76                  | 49.72                          | 0.072726                        |
| 2024 | 3         | 3                     | 15518        | 0                       | 3             | 1191              | 21.71                            | 4.90                          | 48.63                  | 14.08                          | 0.044525                        |
| 2024 | 3         | 3                     | 52287        | 0                       | 3             | 1541              | 23.07                            | 6.43                          | 39.49                  | 12.30                          | 0.024384                        |
| 2024 | 3         | 3                     | 44560        | 0                       | 2             | 116               | 1.17                             | 0.60                          | 69.44                  | 44.53                          | 0.028614                        |
| 2024 | 3         | 3                     | 15753        | 0                       | 2             | 196               | 1.16                             | 0.95                          | 48.60                  | 35.05                          | 0.023886                        |
| 2024 | 3         | 3                     | 54377        | 0                       | 3             | 1142              | 11.40                            | 4.99                          | 41.26                  | 17.24                          | 0.030786                        |
| 2024 | 3         | 3                     | 85410        | 0                       | 2             | 347               | 1.21                             | 0.47                          | 74.27                  | 46.13                          | 0.043587                        |
| 2024 | 3         | 3                     | 25394        | 0                       | 3             | 2372              | 18.83                            | 6.06                          | 30.13                  | 10.56                          | 0.026513                        |
| 2024 | 3         | 3                     | 20310        | 0                       | 3             | 451               | 17.16                            | 6.24                          | 44.44                  | 14.00                          | 0.027936                        |
| 2024 | 3         | 3                     | 68176        | 0                       | 3             | 462               | 29.09                            | 5.03                          | 38.31                  | 13.97                          | 0.028118                        |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIMESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COMUNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD_DESCARGA | INDICADOR_VELOCIDAD_CARGA | INDICADOR_LATENCIA | INDICADOR_FLUCTUACION_FASE | INDICADOR_TASA_PERDIDA_PAQUETES |
|------|-----------|-------------------|--------------|---------------------|---------------|-------------------|------------------------------|---------------------------|--------------------|----------------------------|---------------------------------|
| 2024 | 3         | 3                 | 19001        | 0                   | 2             | 3381              | 2.48                         | 0.33                      | 52.36              | 30.67                      | 0.064988                        |
| 2024 | 3         | 3                 | 25214        | 0                   | 2             | 1649              | 3.91                         | 0.38                      | 37.71              | 23.33                      | 0.057143                        |
| 2024 | 3         | 3                 | 13160        | 0                   | 3             | 2216              | 9.07                         | 8.00                      | 48.50              | 14.76                      | 0.024019                        |
| 2024 | 3         | 3                 | 73449        | 0                   | 2             | 921               | 2.98                         | 0.44                      | 43.28              | 23.34                      | 0.061844                        |
| 2024 | 3         | 3                 | 5001         | 0500103             | 2             | 789               | 2.50                         | 0.34                      | 47.07              | 23.89                      | 0.060702                        |
| 2024 | 3         | 3                 | 76001        | 7600118             | 2             | 508               | 3.70                         | 0.35                      | 51.59              | 24.68                      | 0.041410                        |
| 2024 | 3         | 3                 | 73268        | 0                   | 2             | 660               | 2.56                         | 0.36                      | 43.90              | 30.75                      | 0.076611                        |
| 2024 | 3         | 3                 | 13052        | 0                   | 2             | 205               | 1.19                         | 0.48                      | 55.85              | 37.30                      | 0.055316                        |
| 2024 | 3         | 3                 | 18410        | 0                   | 3             | 2252              | 8.29                         | 6.37                      | 47.37              | 15.24                      | 0.053664                        |
| 2024 | 3         | 3                 | 25785        | 0                   | 2             | 571               | 2.45                         | 0.45                      | 40.41              | 29.05                      | 0.076762                        |
| 2024 | 3         | 3                 | 5440         | 0                   | 2             | 389               | 1.35                         | 0.31                      | 54.11              | 33.48                      | 0.061968                        |
| 2024 | 3         | 3                 | 15806        | 0                   | 2             | 265               | 2.15                         | 1.01                      | 43.20              | 28.96                      | 0.061555                        |
| 2024 | 3         | 3                 | 15790        | 0                   | 3             | 1659              | 14.76                        | 5.23                      | 36.62              | 11.72                      | 0.025238                        |
| 2024 | 3         | 3                 | 17442        | 0                   | 3             | 3355              | 7.46                         | 5.08                      | 53.48              | 14.56                      | 0.031455                        |
| 2024 | 3         | 3                 | 8758         | 0875804             | 2             | 873               | 2.73                         | 0.35                      | 46.41              | 31.64                      | 0.058011                        |
| 2024 | 3         | 3                 | 17653        | 0                   | 2             | 225               | 1.48                         | 0.33                      | 61.13              | 39.23                      | 0.022634                        |
| 2024 | 3         | 3                 | 25530        | 0                   | 2             | 108               | 1.80                         | 0.74                      | 51.50              | 35.48                      | 0.031740                        |
| 2024 | 3         | 3                 | 8421         | 0                   | 2             | 143               | 1.38                         | 0.32                      | 57.71              | 37.59                      | 0.041459                        |
| 2024 | 3         | 3                 | 20614        | 0                   | 3             | 2501              | 13.56                        | 6.30                      | 53.48              | 14.60                      | 0.034371                        |
| 2024 | 3         | 3                 | 15469        | 0                   | 2             | 316               | 1.53                         | 0.88                      | 49.11              | 44.70                      | 0.035364                        |
| 2024 | 3         | 3                 | 66572        | 0                   | 2             | 194               | 2.95                         | 0.98                      | 55.89              | 22.20                      | 0.046121                        |
| 2024 | 3         | 3                 | 73001        | 7300110             | 2             | 599               | 3.85                         | 0.37                      | 39.94              | 23.23                      | 0.061766                        |
| 2024 | 3         | 3                 | 73283        | 0                   | 2             | 158               | 1.52                         | 0.56                      | 47.59              | 31.71                      | 0.041818                        |
| 2024 | 3         | 3                 | 15236        | 0                   | 3             | 436               | 46.39                        | 7.81                      | 35.49              | 10.20                      | 0.029552                        |
| 2024 | 3         | 3                 | 15814        | 0                   | 3             | 2083              | 20.10                        | 10.83                     | 53.90              | 15.12                      | 0.023241                        |
| 2024 | 3         | 3                 | 13001        | 1300102             | 2             | 1444              | 3.04                         | 0.36                      | 51.33              | 29.94                      | 0.054054                        |
| 2024 | 3         | 3                 | 23807        | 0                   | 2             | 334               | 0.76                         | 0.33                      | 57.45              | 48.48                      | 0.029069                        |
| 2024 | 3         | 3                 | 18256        | 0                   | 3             | 1565              | 13.52                        | 6.16                      | 37.63              | 15.19                      | 0.028554                        |
| 2024 | 3         | 3                 | 15542        | 0                   | 3             | 1639              | 13.59                        | 5.52                      | 30.52              | 12.84                      | 0.025946                        |
| 2024 | 3         | 3                 | 5093         | 0                   | 3             | 1297              | 6.40                         | 5.84                      | 33.31              | 10.70                      | 0.047294                        |
| 2024 | 3         | 3                 | 70429        | 0                   | 3             | 2519              | 8.30                         | 5.04                      | 52.17              | 15.75                      | 0.042845                        |
| 2024 | 3         | 3                 | 76001        | 7600105             | 2             | 1369              | 4.57                         | 0.35                      | 50.03              | 20.62                      | 0.063141                        |
| 2024 | 3         | 3                 | 68051        | 0                   | 2             | 70                | 2.42                         | 0.44                      | 46.06              | 40.47                      | 0.037143                        |
| 2024 | 3         | 3                 | 50001        | 5000104             | 2             | 1269              | 3.60                         | 0.87                      | 39.97              | 21.81                      | 0.059522                        |
| 2024 | 3         | 3                 | 13780        | 0                   | 3             | 1212              | 20.62                        | 7.24                      | 45.74              | 12.91                      | 0.036558                        |
| 2024 | 3         | 3                 | 54398        | 0                   | 2             | 42                | 0.41                         | 1.19                      | 59.17              | 38.90                      | 0.034011                        |
| 2024 | 3         | 3                 | 25120        | 0                   | 3             | 1572              | 13.58                        | 4.26                      | 33.83              | 13.86                      | 0.028426                        |
| 2024 | 3         | 3                 | 19473        | 0                   | 3             | 1729              | 2.45                         | 3.38                      | 37.75              | 16.95                      | 0.015041                        |
| 2024 | 3         | 3                 | 15764        | 0                   | 2             | 153               | 2.80                         | 1.01                      | 46.54              | 30.80                      | 0.025640                        |
| 2024 | 3         | 3                 | 70221        | 0                   | 3             | 9092              | 19.13                        | 6.45                      | 43.03              | 14.36                      | 0.031383                        |
| 2024 | 3         | 3                 | 68669        | 0                   | 3             | 696               | 24.67                        | 4.55                      | 39.35              | 12.58                      | 0.032297                        |
| 2024 | 3         | 3                 | 23001        | 2300107             | 2             | 364               | 4.50                         | 0.39                      | 52.46              | 17.34                      | 0.061078                        |
| 2024 | 3         | 3                 | 47703        | 0                   | 3             | 1437              | 10.90                        | 3.46                      | 46.50              | 20.63                      | 0.038503                        |
| 2024 | 3         | 3                 | 15814        | 0                   | 2             | 148               | 1.62                         | 1.09                      | 51.75              | 30.69                      | 0.022552                        |
| 2024 | 3         | 3                 | 17877        | 0                   | 2             | 156               | 3.38                         | 0.37                      | 54.04              | 23.85                      | 0.052715                        |
| 2024 | 3         | 3                 | 68101        | 0                   | 3             | 991               | 24.03                        | 6.35                      | 41.53              | 15.38                      | 0.031263                        |
| 2024 | 3         | 3                 | 68572        | 0                   | 2             | 176               | 1.74                         | 0.33                      | 56.52              | 48.93                      | 0.040483                        |
| 2024 | 3         | 3                 | 5310         | 0                   | 3             | 1858              | 20.67                        | 9.21                      | 33.67              | 10.26                      | 0.025768                        |
| 2024 | 3         | 3                 | 17524        | 0                   | 2             | 295               | 2.77                         | 0.70                      | 54.27              | 26.83                      | 0.029387                        |
| 2024 | 3         | 3                 | 76001        | 7600117             | 2             | 3122              | 4.85                         | 0.39                      | 49.40              | 19.41                      | 0.078101                        |
| 2024 | 3         | 3                 | 54385        | 0                   | 3             | 1732              | 12.43                        | 3.75                      | 73.26              | 19.16                      | 0.037709                        |
| 2024 | 3         | 3                 | 8758         | 0875802             | 2             | 753               | 3.03                         | 0.36                      | 46.39              | 30.33                      | 0.049484                        |
| 2024 | 3         | 3                 | 25754        | 2575401             | 2             | 1515              | 3.09                         | 0.40                      | 37.57              | 26.06                      | 0.059603                        |
| 2024 | 3         | 3                 | 25754        | 2575405             | 2             | 1372              | 4.52                         | 0.40                      | 34.92              | 24.02                      | 0.072557                        |
| 2024 | 3         | 3                 | 15511        | 0                   | 3             | 826               | 19.31                        | 3.62                      | 34.36              | 14.14                      | 0.033621                        |
| 2024 | 3         | 3                 | 5315         | 0                   | 2             | 168               | 2.06                         | 1.13                      | 45.45              | 24.53                      | 0.078752                        |
| 2024 | 3         | 3                 | 68444        | 0                   | 3             | 735               | 15.26                        | 4.61                      | 34.03              | 11.51                      | 0.024703                        |
| 2024 | 3         | 3                 | 73124        | 0                   | 2             | 265               | 3.21                         | 0.37                      | 43.77              | 19.37                      | 0.040931                        |
| 2024 | 3         | 3                 | 18785        | 0                   | 3             | 1244              | 6.01                         | 4.53                      | 55.89              | 17.80                      | 0.035417                        |
| 2024 | 3         | 3                 | 66088        | 0                   | 2             | 289               | 1.75                         | 0.32                      | 57.14              | 32.94                      | 0.041702                        |
| 2024 | 3         | 3                 | 5088         | 0508802             | 2             | 646               | 3.15                         | 0.36                      | 47.58              | 24.40                      | 0.053638                        |
| 2024 | 3         | 3                 | 17541        | 0                   | 2             | 226               | 2.19                         | 0.37                      | 67.11              | 38.01                      | 0.024920                        |
| 2024 | 3         | 3                 | 52696        | 0                   | 3             | 916               | 16.29                        | 9.47                      | 46.48              | 9.91                       | 0.026954                        |
| 2024 | 3         | 3                 | 23417        | 0                   | 2             | 734               | 1.35                         | 0.33                      | 56.31              | 40.01                      | 0.038837                        |
| 2024 | 3         | 3                 | 8573         | 0                   | 2             | 785               | 4.43                         | 0.74                      | 40.51              | 20.12                      | 0.064527                        |
| 2024 | 3         | 3                 | 41016        | 0                   | 2             | 5225              | 15.21                        | 6.59                      | 37.70              | 15.82                      | 0.030442                        |
| 2024 | 3         | 3                 | 68307        | 0                   | 2             | 1281              | 2.90                         | 0.32                      | 50.80              | 29.21                      | 0.064732                        |
| 2024 | 3         | 3                 | 68377        | 0                   | 3             | 835               | 17.82                        | 3.86                      | 41.44              | 15.83                      | 0.032276                        |
| 2024 | 3         | 3                 | 25299        | 0                   | 3             | 1167              | 10.79                        | 5.64                      | 33.42              | 12.44                      | 0.027543                        |
| 2024 | 3         | 3                 | 68020        | 0                   | 3             | 500               | 8.14                         | 2.24                      | 36.84              | 14.89                      | 0.027942                        |
| 2024 | 3         | 3                 | 8001         | 0800103             | 2             | 1871              | 3.85                         | 0.36                      | 44.27              | 22.56                      | 0.071262                        |
| 2024 | 3         | 3                 | 52240        | 0                   | 2             | 305               | 1.77                         | 0.34                      | 56.77              | 34.78                      | 0.035804                        |
| 2024 | 3         | 3                 | 66682        | 0                   | 2             | 864               | 1.69                         | 0.31                      | 56.29              | 33.07                      | 0.059248                        |
| 2024 | 3         | 3                 | 23001        | 2300104             | 2             | 552               | 2.31                         | 0.35                      | 54.67              | 27.10                      | 0.071091                        |
| 2024 | 3         | 3                 | 50223        | 0                   | 2             | 127               | 1.67                         | 0.63                      | 47.63              | 34.01                      | 0.046405                        |
| 2024 | 3         | 3                 | 73024        | 0                   | 3             | 1236              | 15.15                        | 11.10                     | 36.72              | 12.57                      | 0.026897                        |
| 2024 | 3         | 3                 | 5145         | 0                   | 3             | 897               | 24.01                        | 5.87                      | 48.87              | 10.37                      | 0.039554                        |
| 2024 | 3         | 3                 | 25269        | 0                   | 2             | 1998              | 2.64                         | 0.39                      | 42.22              | 31.39                      | 0.059820                        |
| 2024 | 3         | 3                 | 76606        | 0                   | 2             | 166               | 2.11                         | 0.34                      | 55.07              | 25.71                      | 0.022699                        |
| 2024 | 3         | 3                 | 47189        | 0                   | 2             | 630               | 1.34                         | 0.30                      | 54.22              | 41.36                      | 0.059828                        |
| 2024 | 3         | 3                 | 50226        | 0                   | 2             | 334               | 2.32                         | 0.82                      | 46.55              | 32.84                      | 0.042693                        |
| 2024 | 3         | 3                 | 52585        | 0                   | 3             | 2345              | 25.51                        | 7.85                      | 41.40              | 15.00                      | 0.030065                        |
| 2024 | 3         | 3                 | 5042         | 0                   | 2             | 264               | 1.71                         | 0.32                      | 52.28              | 33.55                      | 0.035641                        |
| 2024 | 3         | 3                 | 44279        | 0                   | 2             | 247               | 1.77                         | 0.34                      | 59.86              | 34.87                      | 0.062075                        |
| 2024 | 3         | 3                 | 19290        | 0                   | 3             | 559               | 23.38                        | 5.41                      | 43.96              | 14.19                      | 0.038270                        |
| 2024 | 3         | 3                 | 20001        | 2000102             | 2             | 736               | 3.57                         | 0.35                      | 53.98              | 24.89                      | 0.065347                        |
| 2024 | 3         | 3                 | 15835        | 0                   | 2             | 65                | 1.12                         | 0.94                      | 49.20              | 32.07                      | 0.021617                        |
| 2024 | 3         | 3                 | 15491        | 0                   | 2             | 179               | 2.07                         | 0.94                      | 42.45              | 30.70                      | 0.049976                        |
| 2024 | 3         | 3                 | 99773        | 0                   | 3             | 403               | 1.56                         | 0.67                      | 470.44             | 37.49                      | 0.030114                        |
| 2024 | 3         | 3                 | 70742        | 0                   | 2             | 81                | 1.21                         | 0.35                      | 58.67              | 36.09                      | 0.054671                        |
| 2024 | 3         | 3                 | 73770        | 0                   | 3             | 1627              | 13.94                        | 4.38                      | 35.78              | 15.60                      | 0.035527                        |
| 2024 | 3         | 3                 | 76001        | 7600109             | 2             | 961               | 4.21                         | 0.37                      | 49.79              | 21.43                      | 0.072145                        |
| 2024 | 3         | 3                 | 68229        | 0                   | 2             | 71                | 2.33                         | 0.34                      | 48.72              | 22.63                      | 0.049920                        |
| 2024 | 3         | 3                 | 50001        | 5000101             | 2             | 665               | 4.78                         | 1.15                      | 37.35              | 18.24                      | 0.079486                        |
| 2024 | 3         | 3                 | 54520        | 0                   | 3             | 1414              | 18.43                        | 8.76                      | 41.48              | 12.65                      | 0.026439                        |
| 2024 | 3         | 3                 | 25377        | 0                   | 2             | 810               | 2.57                         | 0.33                      | 40.99              | 33.34                      | 0.052428                        |
| 2024 | 3         | 3                 | 5001         | 0500106             | 2             | 693               | 2.58                         | 0.33                      | 47.13              | 26.09                      | 0.088886                        |
| 2024 | 3         | 3                 | 5893         | 0                   | 2             | 89                | 1.49                         | 0.35                      | 71.79              | 50.77                      | 0.040340                        |
| 2024 | 3         | 3                 | 76001        | 7600108             | 2             | 1302              | 3.74                         | 0.35                      | 49.26              | 22.94                      | 0.066262                        |
| 2024 | 3         | 3                 | 18094        | 0                   | 3             | 2328              | 15.45                        | 8.10                      | 44.43              | 13.40                      | 0.023957                        |
| 2024 | 3         | 3                 | 15051        | 0                   | 2             | 127               | 1.86                         | 0.67                      | 47.17              | 40.12                      | 0.064793                        |
| 2024 | 3         | 3                 | 25772        | 0                   | 2             | 208               | 1.21                         | 0.36                      | 45.65              | 31.46                      | 0.047909                        |
| 2024 | 3         | 3                 | 86320        | 0                   | 2             | 244               | 2.27                         | 0.34                      | 56.11              | 31.68                      | 0.062909                        |
| 2024 | 3         | 3                 | 50683        | 0                   | 2             | 92                | 1.11                         | 0.51                      | 48.76              | 43.83                      | 0.025133                        |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIMESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COMUNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD_DESCARGA | INDICADOR_VELOCIDAD_AD_CARGA | INDICADOR_LATENCIA | INDICADOR_FLUCTUACION_FASE | INDICADOR_TASA_PERDIDA_PAQU |
|------|-----------|-------------------|--------------|---------------------|---------------|-------------------|------------------------------|------------------------------|--------------------|----------------------------|-----------------------------|
| 2024 | 3         | 3                 | 25473        | 0                   | 2             | 3392              | 3.72                         | 0.61                         | 35.19              | 22.30                      | 0.061251                    |
| 2024 | 3         | 3                 | 11001        | 1100115             | 2             | 3163              | 3.71                         | 0.37                         | 35.02              | 21.23                      | 0.072117                    |
| 2024 | 3         | 3                 | 19392        | 0                   | 3             | 1696              | 15.00                        | 4.75                         | 37.25              | 15.45                      | 0.032969                    |
| 2024 | 3         | 3                 | 54398        | 0                   | 3             | 914               | 3.14                         | 2.92                         | 65.40              | 17.66                      | 0.075612                    |
| 2024 | 3         | 3                 | 15223        | 0                   | 3             | 1241              | 6.48                         | 4.90                         | 43.78              | 11.46                      | 0.056575                    |
| 2024 | 3         | 3                 | 76001        | 7600119             | 2             | 3581              | 4.37                         | 0.36                         | 49.24              | 21.40                      | 0.070237                    |
| 2024 | 3         | 3                 | 20032        | 0                   | 2             | 82                | 1.30                         | 0.30                         | 60.32              | 58.11                      | 0.045714                    |
| 2024 | 3         | 3                 | 25053        | 0                   | 2             | 143               | 1.50                         | 0.95                         | 42.20              | 38.68                      | 0.055012                    |
| 2024 | 3         | 3                 | 47001        | 4700103             | 2             | 1213              | 4.02                         | 0.38                         | 46.85              | 20.11                      | 0.067667                    |
| 2024 | 3         | 3                 | 18753        | 0                   | 2             | 159               | 2.03                         | 0.29                         | 59.35              | 33.61                      | 0.048641                    |
| 2024 | 3         | 3                 | 85250        | 0                   | 2             | 338               | 1.08                         | 0.37                         | 53.80              | 42.86                      | 0.032138                    |
| 2024 | 3         | 3                 | 5652         | 0                   | 3             | 1516              | 8.50                         | 3.43                         | 54.66              | 13.62                      | 0.035679                    |
| 2024 | 3         | 3                 | 85162        | 0                   | 2             | 391               | 2.08                         | 0.57                         | 50.01              | 36.58                      | 0.056879                    |
| 2024 | 3         | 3                 | 91001        | 0                   | 2             | 331               | 1.17                         | 0.29                         | 160.54             | 40.57                      | 0.040512                    |
| 2024 | 3         | 3                 | 41319        | 0                   | 3             | 2610              | 10.24                        | 9.43                         | 43.61              | 14.45                      | 0.029787                    |
| 2024 | 3         | 3                 | 63594        | 0                   | 2             | 564               | 2.03                         | 0.34                         | 57.09              | 32.35                      | 0.072949                    |
| 2024 | 3         | 3                 | 68296        | 0                   | 3             | 449               | 20.76                        | 5.14                         | 38.60              | 14.53                      | 0.028508                    |
| 2024 | 3         | 3                 | 25871        | 0                   | 3             | 633               | 27.90                        | 5.68                         | 29.68              | 10.81                      | 0.029123                    |
| 2024 | 3         | 3                 | 5001         | 0500112             | 2             | 1370              | 4.12                         | 0.37                         | 43.36              | 19.23                      | 0.074718                    |
| 2024 | 3         | 3                 | 52786        | 0                   | 2             | 166               | 1.45                         | 0.38                         | 57.46              | 32.97                      | 0.053266                    |
| 2024 | 3         | 3                 | 66440        | 0                   | 2             | 182               | 1.67                         | 0.31                         | 56.92              | 36.79                      | 0.053341                    |
| 2024 | 3         | 3                 | 85325        | 0                   | 3             | 2911              | 13.52                        | 7.80                         | 43.13              | 15.03                      | 0.035474                    |
| 2024 | 3         | 3                 | 25843        | 0                   | 2             | 820               | 1.32                         | 0.96                         | 38.57              | 34.77                      | 0.029922                    |
| 2024 | 3         | 3                 | 68190        | 0                   | 2             | 473               | 1.37                         | 0.29                         | 60.69              | 41.02                      | 0.048219                    |
| 2024 | 3         | 3                 | 85440        | 0                   | 2             | 450               | 1.47                         | 0.67                         | 48.45              | 33.97                      | 0.048799                    |
| 2024 | 3         | 3                 | 54001        | 5400106             | 2             | 557               | 2.79                         | 0.39                         | 45.81              | 26.85                      | 0.055013                    |
| 2024 | 3         | 3                 | 13810        | 0                   | 3             | 1107              | 14.68                        | 5.02                         | 47.98              | 14.23                      | 0.030632                    |
| 2024 | 3         | 3                 | 86760        | 0                   | 3             | 1633              | 19.30                        | 4.45                         | 43.66              | 15.05                      | 0.030149                    |
| 2024 | 3         | 3                 | 54001        | 5400104             | 2             | 584               | 2.72                         | 0.40                         | 45.13              | 26.56                      | 0.059342                    |
| 2024 | 3         | 3                 | 47541        | 0                   | 3             | 1071              | 20.25                        | 7.15                         | 39.16              | 17.27                      | 0.031175                    |
| 2024 | 3         | 3                 | 68684        | 0                   | 3             | 912               | 8.19                         | 2.99                         | 40.80              | 17.78                      | 0.035761                    |
| 2024 | 3         | 3                 | 5088         | 0508803             | 2             | 543               | 3.36                         | 0.48                         | 44.87              | 29.33                      | 0.041841                    |
| 2024 | 3         | 3                 | 47268        | 0                   | 2             | 94                | 1.17                         | 0.33                         | 49.55              | 44.50                      | 0.062324                    |
| 2024 | 3         | 3                 | 54871        | 0                   | 2             | 68                | 1.27                         | 0.78                         | 48.74              | 22.73                      | 0.028220                    |
| 2024 | 3         | 3                 | 73001        | 7300113             | 2             | 206               | 2.09                         | 0.36                         | 43.13              | 31.25                      | 0.050670                    |
| 2024 | 3         | 3                 | 41013        | 0                   | 2             | 40                | 3.88                         | 0.40                         | 50.96              | 57.60                      | 0.048026                    |
| 2024 | 3         | 3                 | 20295        | 0                   | 3             | 1752              | 23.23                        | 6.23                         | 43.96              | 11.84                      | 0.028908                    |
| 2024 | 3         | 3                 | 25867        | 0                   | 2             | 82                | 1.47                         | 0.91                         | 39.20              | 29.28                      | 0.033552                    |
| 2024 | 3         | 3                 | 19212        | 0                   | 2             | 121               | 1.97                         | 0.30                         | 49.87              | 35.33                      | 0.009442                    |
| 2024 | 3         | 3                 | 25120        | 0                   | 2             | 80                | 1.18                         | 0.36                         | 53.13              | 43.99                      | 0.025444                    |
| 2024 | 3         | 3                 | 54099        | 0                   | 2             | 49                | 1.84                         | 0.40                         | 53.10              | 47.50                      | 0.061768                    |
| 2024 | 3         | 3                 | 54720        | 0                   | 2             | 529               | 1.26                         | 0.42                         | 59.10              | 39.85                      | 0.023205                    |
| 2024 | 3         | 3                 | 17616        | 0                   | 2             | 79                | 0.89                         | 0.30                         | 59.55              | 43.60                      | 0.046534                    |
| 2024 | 3         | 3                 | 15531        | 0                   | 3             | 2313              | 15.50                        | 4.07                         | 38.88              | 13.62                      | 0.025458                    |
| 2024 | 3         | 3                 | 85400        | 0                   | 3             | 828               | 19.68                        | 10.61                        | 40.75              | 12.92                      | 0.025828                    |
| 2024 | 3         | 3                 | 73001        | 7300101             | 2             | 1016              | 3.88                         | 0.37                         | 39.11              | 23.27                      | 0.065183                    |
| 2024 | 3         | 3                 | 76001        | 7600104             | 2             | 1246              | 4.91                         | 0.37                         | 49.73              | 19.81                      | 0.065989                    |
| 2024 | 3         | 3                 | 25754        | 2575406             | 2             | 637               | 3.78                         | 0.36                         | 37.54              | 25.48                      | 0.067861                    |
| 2024 | 3         | 3                 | 27787        | 0                   | 2             | 165               | 2.05                         | 0.45                         | 59.59              | 36.61                      | 0.062770                    |
| 2024 | 3         | 3                 | 19142        | 0                   | 2             | 156               | 2.03                         | 0.30                         | 50.74              | 37.43                      | 0.037700                    |
| 2024 | 3         | 3                 | 25797        | 0                   | 2             | 151               | 1.87                         | 0.81                         | 46.71              | 38.70                      | 0.060990                    |
| 2024 | 3         | 3                 | 54800        | 0                   | 3             | 701               | 1.73                         | 2.75                         | 86.00              | 15.02                      | 0.044689                    |
| 2024 | 3         | 3                 | 44378        | 0                   | 2             | 81                | 1.18                         | 0.32                         | 70.69              | 40.83                      | 0.061356                    |
| 2024 | 3         | 3                 | 17495        | 0                   | 2             | 64                | 1.54                         | 0.33                         | 70.23              | 44.71                      | 0.042337                    |
| 2024 | 3         | 3                 | 73236        | 0                   | 2             | 64                | 3.90                         | 0.37                         | 44.05              | 16.85                      | 0.141676                    |
| 2024 | 3         | 3                 | 68001        | 6800103             | 2             | 584               | 4.76                         | 0.41                         | 44.15              | 29.93                      | 0.045566                    |
| 2024 | 3         | 3                 | 41298        | 0                   | 2             | 497               | 1.61                         | 0.36                         | 52.56              | 29.53                      | 0.046810                    |
| 2024 | 3         | 3                 | 41551        | 0                   | 2             | 861               | 1.81                         | 0.34                         | 53.64              | 34.33                      | 0.055769                    |
| 2024 | 3         | 3                 | 54001        | 5400102             | 2             | 1155              | 3.57                         | 0.38                         | 45.75              | 24.49                      | 0.056890                    |
| 2024 | 3         | 3                 | 20001        | 2000104             | 2             | 724               | 2.97                         | 0.35                         | 54.03              | 26.19                      | 0.052118                    |
| 2024 | 3         | 3                 | 13188        | 0                   | 3             | 840               | 7.69                         | 3.91                         | 47.17              | 17.42                      | 0.057291                    |
| 2024 | 3         | 3                 | 76113        | 0                   | 2             | 482               | 2.04                         | 0.34                         | 52.04              | 33.26                      | 0.035609                    |
| 2024 | 3         | 3                 | 20001        | 2000105             | 2             | 843               | 3.50                         | 0.35                         | 52.54              | 22.72                      | 0.075685                    |
| 2024 | 3         | 3                 | 27205        | 0                   | 3             | 1777              | 8.48                         | 8.71                         | 40.63              | 10.49                      | 0.027799                    |
| 2024 | 3         | 3                 | 52835        | 0                   | 2             | 591               | 1.90                         | 0.31                         | 64.01              | 38.47                      | 0.065959                    |
| 2024 | 3         | 3                 | 47001        | 4700101             | 2             | 1621              | 2.52                         | 0.38                         | 49.32              | 30.28                      | 0.050725                    |
| 2024 | 3         | 3                 | 54250        | 0                   | 3             | 1907              | 2.75                         | 2.36                         | 53.10              | 19.80                      | 0.037489                    |
| 2024 | 3         | 3                 | 25260        | 0                   | 2             | 359               | 2.33                         | 0.37                         | 43.21              | 38.81                      | 0.078600                    |
| 2024 | 3         | 3                 | 73168        | 0                   | 2             | 185               | 1.35                         | 0.35                         | 48.95              | 39.17                      | 0.061488                    |
| 2024 | 3         | 3                 | 15232        | 0                   | 2             | 30                | 2.30                         | 0.82                         | 47.42              | 20.03                      | 0.046865                    |
| 2024 | 3         | 3                 | 68368        | 0                   | 3             | 721               | 27.42                        | 10.06                        | 36.15              | 11.52                      | 0.022546                    |
| 2024 | 3         | 3                 | 70508        | 0                   | 2             | 64                | 1.08                         | 0.29                         | 63.45              | 61.52                      | 0.052615                    |
| 2024 | 3         | 3                 | 76001        | 7600121             | 2             | 361               | 1.88                         | 0.33                         | 50.52              | 31.84                      | 0.058085                    |
| 2024 | 3         | 3                 | 15646        | 0                   | 2             | 291               | 1.29                         | 0.89                         | 45.36              | 38.74                      | 0.041016                    |
| 2024 | 3         | 3                 | 50350        | 0                   | 2             | 157               | 2.73                         | 0.83                         | 71.85              | 60.75                      | 0.076937                    |
| 2024 | 3         | 3                 | 15051        | 0                   | 3             | 3108              | 14.85                        | 6.77                         | 32.70              | 10.98                      | 0.023036                    |
| 2024 | 3         | 3                 | 15106        | 0                   | 3             | 687               | 23.89                        | 7.80                         | 34.97              | 10.93                      | 0.023359                    |
| 2024 | 3         | 3                 | 73001        | 7300106             | 2             | 382               | 3.46                         | 0.35                         | 39.37              | 23.39                      | 0.070249                    |
| 2024 | 3         | 3                 | 5656         | 0                   | 2             | 338               | 1.62                         | 1.05                         | 45.66              | 32.30                      | 0.032081                    |
| 2024 | 3         | 3                 | 54109        | 0                   | 2             | 66                | 1.62                         | 0.27                         | 60.90              | 54.91                      | 0.023856                    |
| 2024 | 3         | 3                 | 25817        | 0                   | 2             | 1209              | 2.82                         | 0.36                         | 40.85              | 27.15                      | 0.056689                    |
| 2024 | 3         | 3                 | 19698        | 0                   | 2             | 896               | 2.07                         | 0.32                         | 53.38              | 33.90                      | 0.052855                    |
| 2024 | 3         | 3                 | 73622        | 0                   | 3             | 1000              | 10.81                        | 3.72                         | 39.38              | 16.70                      | 0.040433                    |
| 2024 | 3         | 3                 | 25183        | 0                   | 2             | 296               | 1.42                         | 0.74                         | 43.72              | 39.40                      | 0.037682                    |
| 2024 | 3         | 3                 | 73001        | 7300108             | 2             | 859               | 2.81                         | 0.36                         | 40.65              | 26.68                      | 0.072267                    |
| 2024 | 3         | 3                 | 20001        | 2000103             | 2             | 585               | 2.31                         | 0.34                         | 54.62              | 31.40                      | 0.051697                    |
| 2024 | 3         | 3                 | 85230        | 0                   | 2             | 149               | 1.76                         | 0.34                         | 55.51              | 39.39                      | 0.062223                    |
| 2024 | 3         | 3                 | 5664         | 0                   | 2             | 423               | 1.48                         | 0.34                         | 53.98              | 33.92                      | 0.064454                    |
| 2024 | 3         | 3                 | 17662        | 0                   | 2             | 363               | 1.69                         | 0.30                         | 70.81              | 32.39                      | 0.057788                    |
| 2024 | 3         | 3                 | 5761         | 0                   | 2             | 357               | 1.65                         | 0.31                         | 52.37              | 38.76                      | 0.027731                    |
| 2024 | 3         | 3                 | 5088         | 0508808             | 2             | 1108              | 3.19                         | 0.37                         | 46.94              | 22.07                      | 0.062136                    |
| 2024 | 3         | 3                 | 68271        | 0                   | 3             | 1032              | 23.22                        | 5.47                         | 35.97              | 10.75                      | 0.025038                    |
| 2024 | 3         | 3                 | 68001        | 6800113             | 2             | 1082              | 4.35                         | 0.35                         | 45.46              | 24.14                      | 0.057086                    |
| 2024 | 3         | 3                 | 5400         | 0                   | 2             | 192               | 0.95                         | 0.32                         | 69.97              | 57.29                      | 0.041269                    |
| 2024 | 3         | 3                 | 5001         | 0500109             | 2             | 1397              | 3.67                         | 0.36                         | 44.28              | 24.83                      | 0.067216                    |
| 2024 | 3         | 3                 | 70204        | 0                   | 3             | 717               | 24.14                        | 7.79                         | 37.09              | 11.66                      | 0.025141                    |
| 2024 | 3         | 3                 | 15176        | 0                   | 2             | 667               | 2.25                         | 1.13                         | 39.82              | 26.59                      | 0.058324                    |
| 2024 | 3         | 3                 | 85125        | 0                   | 2             | 55                | 1.61                         | 0.39                         | 59.06              | 39.56                      | 0.027396                    |
| 2024 | 3         | 3                 | 5411         | 0                   | 2             | 74                | 2.34                         | 0.81                         | 51.81              | 23.99                      | 0.030118                    |
| 2024 | 3         | 3                 | 54810        | 0                   | 2             | 419               | 0.62                         | 0.31                         | 61.27              | 48.73                      | 0.021720                    |
| 2024 | 3         | 3                 | 68615        | 0                   | 2             | 289               | 2.10                         | 0.29                         | 54.35              | 43.45                      | 0.030004                    |
| 2024 | 3         | 3                 | 11001        | 1100106             | 2             | 3568              | 3.29                         | 0.38                         | 37.66              | 22.44                      | 0.067944                    |
| 2024 | 3         | 3                 | 50573        | 0                   | 2             | 872               | 1.83                         | 0.75                         | 50.45              | 45.94                      | 0.043123                    |
| 2024 | 3         | 3                 | 5665         | 0                   | 2             | 245               | 1.58                         | 0.35                         | 69.94              | 39.13                      | 0.041568                    |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIMESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COMUNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD_DESCARGA | INDICADOR_VELOCIDAD_AD_CARGA | INDICADOR_LATENCIA | INDICADOR_FLUCTUACION_FASE | INDICADOR_TASA_PERDIDA_PAQUETES |
|------|-----------|-------------------|--------------|---------------------|---------------|-------------------|------------------------------|------------------------------|--------------------|----------------------------|---------------------------------|
| 2024 | 3         | 3                 | 54001        | 5400108             | 2             | 513               | 2.42                         | 0.41                         | 44.78              | 27.31                      | 0.042689                        |
| 2024 | 3         | 3                 | 13873        | 0                   | 3             | 1280              | 17.56                        | 4.39                         | 37.78              | 15.53                      | 0.034588                        |
| 2024 | 3         | 3                 | 52036        | 0                   | 3             | 808               | 24.26                        | 11.29                        | 45.26              | 16.73                      | 0.025262                        |
| 2024 | 3         | 3                 | 25718        | 0                   | 2             | 136               | 1.46                         | 0.67                         | 43.68              | 33.27                      | 0.058274                        |
| 2024 | 3         | 3                 | 68689        | 0                   | 2             | 78                | 1.08                         | 0.24                         | 62.95              | 47.44                      | 0.050475                        |
| 2024 | 3         | 3                 | 25372        | 0                   | 2             | 176               | 1.45                         | 0.82                         | 65.83              | 36.84                      | 0.035997                        |
| 2024 | 3         | 3                 | 63690        | 0                   | 2             | 339               | 4.11                         | 0.35                         | 53.26              | 20.42                      | 0.042792                        |
| 2024 | 3         | 3                 | 23675        | 0                   | 2             | 131               | 1.36                         | 0.36                         | 50.12              | 47.11                      | 0.023867                        |
| 2024 | 3         | 3                 | 20001        | 2000101             | 2             | 732               | 2.73                         | 0.36                         | 54.13              | 28.96                      | 0.073582                        |
| 2024 | 3         | 3                 | 5604         | 0                   | 2             | 132               | 1.12                         | 0.31                         | 55.73              | 55.48                      | 0.040567                        |
| 2024 | 3         | 3                 | 25839        | 0                   | 2             | 277               | 2.33                         | 0.87                         | 47.64              | 42.51                      | 0.075300                        |
| 2024 | 3         | 3                 | 52260        | 0                   | 2             | 43                | 0.66                         | 0.19                         | 62.95              | 54.76                      | 0.035491                        |
| 2024 | 3         | 3                 | 52256        | 0                   | 3             | 1004              | 24.87                        | 6.97                         | 40.41              | 14.20                      | 0.032671                        |
| 2024 | 3         | 3                 | 5690         | 0                   | 2             | 291               | 2.68                         | 0.34                         | 52.37              | 26.93                      | 0.051255                        |
| 2024 | 3         | 3                 | 44430        | 0                   | 2             | 389               | 1.91                         | 0.34                         | 64.15              | 36.08                      | 0.046001                        |
| 2024 | 3         | 3                 | 17873        | 0                   | 2             | 730               | 3.12                         | 0.41                         | 56.20              | 23.04                      | 0.080753                        |
| 2024 | 3         | 3                 | 73001        | 7300112             | 2             | 269               | 2.21                         | 0.38                         | 41.01              | 33.64                      | 0.067848                        |
| 2024 | 3         | 3                 | 23464        | 0                   | 2             | 144               | 0.72                         | 0.32                         | 57.17              | 37.98                      | 0.013111                        |
| 2024 | 3         | 3                 | 17380        | 0                   | 2             | 699               | 2.40                         | 0.34                         | 56.86              | 27.87                      | 0.047844                        |
| 2024 | 3         | 3                 | 54001        | 5400101             | 2             | 942               | 3.65                         | 0.37                         | 44.96              | 26.42                      | 0.047121                        |
| 2024 | 3         | 3                 | 13430        | 0                   | 2             | 306               | 1.98                         | 0.33                         | 59.61              | 38.02                      | 0.057466                        |
| 2024 | 3         | 3                 | 50313        | 0                   | 2             | 776               | 2.58                         | 0.94                         | 45.33              | 37.25                      | 0.031699                        |
| 2024 | 3         | 3                 | 47205        | 0                   | 3             | 796               | 23.02                        | 9.46                         | 34.29              | 11.31                      | 0.019819                        |
| 2024 | 3         | 3                 | 73547        | 0                   | 3             | 1116              | 26.19                        | 4.77                         | 34.74              | 15.59                      | 0.029722                        |
| 2024 | 3         | 3                 | 76497        | 0                   | 3             | 1463              | 20.44                        | 7.76                         | 44.10              | 14.97                      | 0.024893                        |
| 2024 | 3         | 3                 | 73043        | 0                   | 3             | 920               | 17.13                        | 4.85                         | 35.40              | 15.00                      | 0.030055                        |
| 2024 | 3         | 3                 | 15272        | 0                   | 2             | 150               | 1.18                         | 0.71                         | 47.90              | 40.59                      | 0.048396                        |
| 2024 | 3         | 3                 | 5030         | 0                   | 2             | 485               | 1.78                         | 0.37                         | 56.81              | 33.21                      | 0.042856                        |
| 2024 | 3         | 3                 | 15368        | 0                   | 3             | 644               | 20.86                        | 9.18                         | 35.88              | 10.83                      | 0.026217                        |
| 2024 | 3         | 3                 | 66383        | 0                   | 2             | 74                | 1.06                         | 0.74                         | 62.22              | 45.62                      | 0.063875                        |
| 2024 | 3         | 3                 | 13549        | 0                   | 3             | 1016              | 15.03                        | 4.79                         | 47.95              | 14.01                      | 0.035020                        |
| 2024 | 3         | 3                 | 5809         | 0                   | 2             | 195               | 1.43                         | 0.33                         | 61.00              | 32.54                      | 0.056147                        |
| 2024 | 3         | 3                 | 25326        | 0                   | 2             | 146               | 3.61                         | 0.96                         | 37.14              | 19.08                      | 0.043625                        |
| 2024 | 3         | 3                 | 73055        | 0                   | 2             | 261               | 1.78                         | 0.38                         | 51.76              | 39.14                      | 0.072992                        |
| 2024 | 3         | 3                 | 15522        | 0                   | 3             | 433               | 28.73                        | 9.04                         | 37.10              | 10.92                      | 0.021332                        |
| 2024 | 3         | 3                 | 76001        | 7600116             | 2             | 991               | 3.59                         | 0.37                         | 49.36              | 21.09                      | 0.063863                        |
| 2024 | 3         | 3                 | 76020        | 0                   | 2             | 77                | 1.21                         | 0.30                         | 61.97              | 45.86                      | 0.058469                        |
| 2024 | 3         | 3                 | 17388        | 0                   | 3             | 1113              | 19.80                        | 9.77                         | 53.98              | 10.57                      | 0.026612                        |
| 2024 | 3         | 3                 | 25328        | 0                   | 3             | 1443              | 19.45                        | 3.91                         | 28.60              | 13.70                      | 0.030613                        |
| 2024 | 3         | 3                 | 19355        | 0                   | 2             | 74                | 0.83                         | 0.34                         | 66.11              | 49.86                      | 0.021189                        |
| 2024 | 3         | 3                 | 76122        | 0                   | 2             | 204               | 1.98                         | 0.34                         | 60.34              | 38.14                      | 0.019807                        |
| 2024 | 3         | 3                 | 68318        | 0                   | 3             | 518               | 13.57                        | 9.66                         | 39.67              | 10.67                      | 0.040983                        |
| 2024 | 3         | 3                 | 76147        | 0                   | 2             | 923               | 3.77                         | 0.34                         | 50.24              | 26.32                      | 0.056305                        |
| 2024 | 3         | 3                 | 52207        | 0                   | 2             | 76                | 1.19                         | 0.29                         | 55.81              | 43.91                      | 0.037715                        |
| 2024 | 3         | 3                 | 5001         | 0500104             | 2             | 1485              | 2.87                         | 0.37                         | 47.23              | 26.58                      | 0.060744                        |
| 2024 | 3         | 3                 | 81736        | 0                   | 2             | 261               | 1.93                         | 0.39                         | 55.40              | 33.35                      | 0.034096                        |
| 2024 | 3         | 3                 | 68895        | 0                   | 2             | 119               | 1.95                         | 0.49                         | 46.98              | 28.41                      | 0.053620                        |
| 2024 | 3         | 3                 | 47545        | 0                   | 2             | 122               | 0.96                         | 0.38                         | 56.43              | 30.09                      | 0.016372                        |
| 2024 | 3         | 3                 | 50001        | 5000107             | 2             | 1698              | 4.22                         | 1.20                         | 36.84              | 25.49                      | 0.045165                        |
| 2024 | 3         | 3                 | 76246        | 0                   | 2             | 51                | 1.12                         | 0.31                         | 66.83              | 42.61                      | 0.042066                        |
| 2024 | 3         | 3                 | 73671        | 0                   | 2             | 97                | 1.92                         | 0.37                         | 47.64              | 33.79                      | 0.041019                        |
| 2024 | 3         | 3                 | 25754        | 2575404             | 2             | 281               | 2.17                         | 0.54                         | 35.91              | 28.65                      | 0.029756                        |
| 2024 | 3         | 3                 | 70820        | 0                   | 2             | 179               | 1.98                         | 0.29                         | 52.81              | 36.84                      | 0.058713                        |
| 2024 | 3         | 3                 | 17050        | 0                   | 2             | 135               | 2.53                         | 0.33                         | 59.61              | 24.17                      | 0.022962                        |
| 2024 | 3         | 3                 | 23855        | 0                   | 2             | 154               | 0.73                         | 0.32                         | 56.45              | 49.91                      | 0.050184                        |
| 2024 | 3         | 3                 | 86219        | 0                   | 3             | 1424              | 19.51                        | 3.88                         | 39.20              | 13.13                      | 0.028807                        |
| 2024 | 3         | 3                 | 76001        | 7600101             | 2             | 290               | 2.87                         | 0.38                         | 49.09              | 25.63                      | 0.069638                        |
| 2024 | 3         | 3                 | 5031         | 0                   | 2             | 121               | 0.74                         | 0.26                         | 59.60              | 41.22                      | 0.014156                        |
| 2024 | 3         | 3                 | 8560         | 0                   | 2             | 97                | 2.06                         | 0.38                         | 52.90              | 42.88                      | 0.045854                        |
| 2024 | 3         | 3                 | 25899        | 0                   | 2             | 1860              | 2.12                         | 0.36                         | 41.64              | 31.33                      | 0.042606                        |
| 2024 | 3         | 3                 | 17388        | 0                   | 2             | 25                | 2.38                         | 0.42                         | 60.64              | 21.19                      | 0.041659                        |
| 2024 | 3         | 3                 | 25035        | 0                   | 2             | 431               | 2.71                         | 0.92                         | 42.17              | 30.11                      | 0.036794                        |
| 2024 | 3         | 3                 | 47288        | 0                   | 2             | 259               | 1.66                         | 0.33                         | 49.63              | 32.40                      | 0.065030                        |
| 2024 | 3         | 3                 | 23182        | 0                   | 2             | 335               | 1.39                         | 0.33                         | 56.00              | 42.42                      | 0.044849                        |
| 2024 | 3         | 3                 | 68298        | 0                   | 3             | 443               | 5.63                         | 1.94                         | 41.85              | 15.41                      | 0.037352                        |
| 2024 | 3         | 3                 | 20250        | 0                   | 2             | 408               | 2.10                         | 0.31                         | 57.30              | 34.06                      | 0.046009                        |
| 2024 | 3         | 3                 | 70713        | 0                   | 2             | 159               | 2.20                         | 0.32                         | 57.32              | 34.99                      | 0.026998                        |
| 2024 | 3         | 3                 | 41319        | 0                   | 2             | 92                | 1.06                         | 0.45                         | 64.07              | 37.45                      | 0.036519                        |
| 2024 | 3         | 3                 | 5686         | 0                   | 2             | 420               | 1.58                         | 0.33                         | 47.26              | 34.58                      | 0.038066                        |
| 2024 | 3         | 3                 | 44035        | 0                   | 2             | 251               | 1.87                         | 0.30                         | 65.57              | 41.27                      | 0.066139                        |
| 2024 | 3         | 3                 | 81001        | 0                   | 2             | 522               | 2.34                         | 0.62                         | 46.52              | 37.63                      | 0.022812                        |
| 2024 | 3         | 3                 | 47555        | 0                   | 2             | 44                | 1.23                         | 0.31                         | 60.24              | 62.69                      | 0.079050                        |
| 2024 | 3         | 3                 | 15514        | 0                   | 2             | 109               | 2.37                         | 0.82                         | 46.82              | 32.07                      | 0.076315                        |
| 2024 | 3         | 3                 | 8078         | 0                   | 2             | 311               | 1.27                         | 0.35                         | 50.57              | 35.35                      | 0.062661                        |
| 2024 | 3         | 3                 | 27025        | 0                   | 3             | 665               | 6.87                         | 5.41                         | 59.67              | 13.74                      | 0.026214                        |
| 2024 | 3         | 3                 | 17042        | 0                   | 2             | 311               | 2.04                         | 0.38                         | 55.54              | 30.17                      | 0.060702                        |
| 2024 | 3         | 3                 | 5591         | 0                   | 2             | 161               | 1.46                         | 0.26                         | 64.08              | 52.68                      | 0.037275                        |
| 2024 | 3         | 3                 | 19300        | 0                   | 2             | 144               | 2.14                         | 0.30                         | 54.34              | 38.00                      | 0.037906                        |
| 2024 | 3         | 3                 | 15244        | 0                   | 3             | 987               | 20.47                        | 5.14                         | 40.45              | 12.03                      | 0.026802                        |
| 2024 | 3         | 3                 | 50606        | 0                   | 2             | 565               | 1.68                         | 0.71                         | 47.81              | 35.28                      | 0.058555                        |
| 2024 | 3         | 3                 | 5315         | 0                   | 3             | 561               | 29.88                        | 10.09                        | 33.29              | 9.32                       | 0.022977                        |
| 2024 | 3         | 3                 | 54405        | 0                   | 2             | 1271              | 3.14                         | 0.39                         | 45.89              | 30.32                      | 0.037117                        |
| 2024 | 3         | 3                 | 25178        | 0                   | 2             | 207               | 1.58                         | 0.95                         | 41.96              | 38.01                      | 0.046089                        |
| 2024 | 3         | 3                 | 15226        | 0                   | 3             | 764               | 16.23                        | 3.83                         | 38.40              | 14.00                      | 0.035477                        |
| 2024 | 3         | 3                 | 41530        | 0                   | 3             | 1471              | 10.25                        | 3.15                         | 43.43              | 16.69                      | 0.029143                        |
| 2024 | 3         | 3                 | 52585        | 0                   | 2             | 85                | 2.69                         | 0.31                         | 57.47              | 31.85                      | 0.036179                        |
| 2024 | 3         | 3                 | 23555        | 0                   | 2             | 319               | 1.38                         | 0.35                         | 62.28              | 41.06                      | 0.039762                        |
| 2024 | 3         | 3                 | 66594        | 0                   | 2             | 249               | 1.57                         | 0.38                         | 61.68              | 27.32                      | 0.056132                        |
| 2024 | 3         | 3                 | 85225        | 0                   | 2             | 124               | 0.97                         | 0.37                         | 54.86              | 48.77                      | 0.028501                        |
| 2024 | 3         | 3                 | 54172        | 0                   | 2             | 360               | 1.45                         | 0.38                         | 53.33              | 38.31                      | 0.029205                        |
| 2024 | 3         | 3                 | 20175        | 0                   | 2             | 207               | 1.99                         | 0.27                         | 52.14              | 46.78                      | 0.051778                        |
| 2024 | 3         | 3                 | 19050        | 0                   | 2             | 60                | 1.43                         | 0.33                         | 72.99              | 55.19                      | 0.071618                        |
| 2024 | 3         | 3                 | 15804        | 0                   | 2             | 62                | 1.16                         | 0.88                         | 46.65              | 38.11                      | 0.027241                        |
| 2024 | 3         | 3                 | 76001        | 7600103             | 2             | 1782              | 4.41                         | 0.36                         | 49.27              | 22.66                      | 0.079503                        |
| 2024 | 3         | 3                 | 41020        | 0                   | 2             | 132               | 1.46                         | 0.32                         | 58.51              | 44.60                      | 0.017801                        |
| 2024 | 3         | 3                 | 5667         | 0                   | 2             | 75                | 1.33                         | 0.64                         | 51.81              | 42.59                      | 0.037896                        |
| 2024 | 3         | 3                 | 5093         | 0                   | 2             | 52                | 1.61                         | 0.66                         | 54.06              | 37.32                      | 0.039381                        |
| 2024 | 3         | 3                 | 20011        | 0                   | 2             | 789               | 2.88                         | 0.34                         | 64.63              | 27.10                      | 0.049700                        |
| 2024 | 3         | 3                 | 19785        | 0                   | 3             | 593               | 6.16                         | 5.29                         | 48.91              | 12.44                      | 0.044771                        |
| 2024 | 3         | 3                 | 25875        | 0                   | 2             | 737               | 1.47                         | 1.07                         | 37.22              | 38.36                      | 0.043876                        |
| 2024 | 3         | 3                 | 25295        | 0                   | 2             | 302               | 2.02                         | 0.78                         | 36.13              | 32.08                      | 0.062886                        |
| 2024 | 3         | 3                 | 52233        | 0                   | 3             | 769               | 3.62                         | 6.91                         | 44.54              | 12.46                      | 0.030427                        |
| 2024 | 3         | 3                 | 52258        | 0                   | 2             | 57                | 0.93                         | 0.46                         | 61.19              | 53.62                      | 0.046622                        |
| 2024 | 3         | 3                 | 18150        | 0                   | 2             | 174               | 2.55                         | 0.33                         | 57.54              | 32.68                      | 0.034462                        |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIMESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COMUNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD_DESCARGA | INDICADOR_VELOCIDAD_AD_CARGA | INDICADOR_LATENCIA | INDICADOR_FLUCTUACION_FASE | INDICADOR_TASA_PERDIDA_PAQUETES |
|------|-----------|-------------------|--------------|---------------------|---------------|-------------------|------------------------------|------------------------------|--------------------|----------------------------|---------------------------------|
| 2024 | 3         | 3                 | 25312        | 0                   | 2             | 261               | 2.32                         | 1.06                         | 39.17              | 28.25                      | 0.071399                        |
| 2024 | 3         | 3                 | 73001        | 7300107             | 2             | 577               | 2.95                         | 0.35                         | 40.71              | 25.31                      | 0.077933                        |
| 2024 | 3         | 3                 | 73678        | 0                   | 2             | 203               | 3.28                         | 0.49                         | 43.66              | 25.38                      | 0.025374                        |
| 2024 | 3         | 3                 | 68001        | 6800110             | 2             | 392               | 3.66                         | 0.34                         | 45.38              | 30.84                      | 0.057478                        |
| 2024 | 3         | 3                 | 8758         | 0875803             | 2             | 602               | 3.65                         | 0.35                         | 45.64              | 31.44                      | 0.059181                        |
| 2024 | 3         | 3                 | 76318        | 0                   | 2             | 184               | 1.70                         | 0.34                         | 53.81              | 35.31                      | 0.075441                        |
| 2024 | 3         | 3                 | 76233        | 0                   | 2             | 566               | 1.62                         | 0.35                         | 53.41              | 32.65                      | 0.053448                        |
| 2024 | 3         | 3                 | 15380        | 0                   | 3             | 1091              | 18.03                        | 5.02                         | 40.37              | 13.63                      | 0.034217                        |
| 2024 | 3         | 3                 | 5842         | 0                   | 2             | 48                | 1.26                         | 0.49                         | 62.05              | 36.94                      | 0.031504                        |
| 2024 | 3         | 3                 | 13688        | 0                   | 2             | 97                | 1.51                         | 0.31                         | 77.48              | 52.37                      | 0.025399                        |
| 2024 | 3         | 3                 | 76001        | 7600111             | 2             | 1024              | 3.87                         | 0.37                         | 49.92              | 22.36                      | 0.064640                        |
| 2024 | 3         | 3                 | 20238        | 0                   | 2             | 249               | 1.55                         | 0.29                         | 53.18              | 39.94                      | 0.043863                        |
| 2024 | 3         | 3                 | 27001        | 0                   | 2             | 1061              | 1.18                         | 0.33                         | 61.08              | 44.15                      | 0.047122                        |
| 2024 | 3         | 3                 | 54820        | 0                   | 2             | 460               | 1.24                         | 0.36                         | 59.18              | 43.12                      | 0.030929                        |
| 2024 | 3         | 3                 | 70400        | 0                   | 3             | 1168              | 21.65                        | 8.56                         | 41.24              | 12.61                      | 0.026322                        |
| 2024 | 3         | 3                 | 5138         | 0                   | 2             | 146               | 1.60                         | 0.39                         | 56.70              | 32.04                      | 0.026367                        |
| 2024 | 3         | 3                 | 13030        | 0                   | 2             | 21                | 0.59                         | 0.17                         | 75.73              | 55.31                      | 0.040406                        |
| 2024 | 3         | 3                 | 52838        | 0                   | 2             | 110               | 1.09                         | 0.30                         | 63.27              | 45.61                      | 0.046503                        |
| 2024 | 3         | 3                 | 68679        | 0                   | 2             | 606               | 1.97                         | 0.35                         | 48.46              | 29.74                      | 0.025690                        |
| 2024 | 3         | 3                 | 68432        | 0                   | 2             | 207               | 1.10                         | 0.37                         | 55.15              | 38.90                      | 0.043513                        |
| 2024 | 3         | 3                 | 85263        | 0                   | 2             | 101               | 1.26                         | 0.52                         | 52.31              | 43.32                      | 0.044319                        |
| 2024 | 3         | 3                 | 25592        | 0                   | 2             | 155               | 1.93                         | 0.78                         | 39.23              | 39.84                      | 0.027274                        |
| 2024 | 3         | 3                 | 50450        | 0                   | 3             | 1264              | 10.85                        | 5.38                         | 39.36              | 17.57                      | 0.032002                        |
| 2024 | 3         | 3                 | 27430        | 0                   | 3             | 900               | 17.37                        | 5.71                         | 41.59              | 11.06                      | 0.029921                        |
| 2024 | 3         | 3                 | 44650        | 0                   | 2             | 387               | 1.25                         | 0.32                         | 61.81              | 39.18                      | 0.066366                        |
| 2024 | 3         | 3                 | 68575        | 0                   | 2             | 354               | 1.81                         | 0.34                         | 59.23              | 35.42                      | 0.059323                        |
| 2024 | 3         | 3                 | 23162        | 0                   | 2             | 793               | 2.22                         | 0.36                         | 53.78              | 28.24                      | 0.063183                        |
| 2024 | 3         | 3                 | 27800        | 0                   | 2             | 98                | 2.03                         | 0.97                         | 64.99              | 32.01                      | 0.025370                        |
| 2024 | 3         | 3                 | 52560        | 0                   | 2             | 42                | 1.44                         | 0.28                         | 56.55              | 38.75                      | 0.034088                        |
| 2024 | 3         | 3                 | 5364         | 0                   | 2             | 128               | 1.27                         | 0.31                         | 63.95              | 40.32                      | 0.035323                        |
| 2024 | 3         | 3                 | 68001        | -1                  | 2             | 375               | 3.92                         | 0.37                         | 46.39              | 23.56                      | 0.058559                        |
| 2024 | 3         | 3                 | 99624        | 0                   | 3             | 867               | 3.87                         | 2.07                         | 41.04              | 20.33                      | 0.038327                        |
| 2024 | 3         | 3                 | 15407        | 0                   | 2             | 323               | 3.63                         | 0.99                         | 38.45              | 27.23                      | 0.067031                        |
| 2024 | 3         | 3                 | 15212        | 0                   | 3             | 517               | 21.65                        | 6.40                         | 30.83              | 8.54                       | 0.022265                        |
| 2024 | 3         | 3                 | 41791        | 0                   | 2             | 97                | 0.77                         | 0.29                         | 59.56              | 36.06                      | 0.055143                        |
| 2024 | 3         | 3                 | 5038         | 0                   | 2             | 133               | 0.96                         | 0.35                         | 64.03              | 45.84                      | 0.030799                        |
| 2024 | 3         | 3                 | 70702        | 0                   | 2             | 150               | 1.42                         | 0.31                         | 55.72              | 38.68                      | 0.078239                        |
| 2024 | 3         | 3                 | 76275        | 0                   | 2             | 453               | 1.46                         | 0.34                         | 57.66              | 35.28                      | 0.035927                        |
| 2024 | 3         | 3                 | 17665        | 0                   | 2             | 77                | 1.43                         | 0.34                         | 54.29              | 34.55                      | 0.022527                        |
| 2024 | 3         | 3                 | 15180        | 0                   | 3             | 789               | 11.29                        | 10.53                        | 38.25              | 9.32                       | 0.035093                        |
| 2024 | 3         | 3                 | 23466        | 0                   | 2             | 328               | 2.09                         | 0.35                         | 78.64              | 38.04                      | 0.057359                        |
| 2024 | 3         | 3                 | 25513        | 0                   | 2             | 446               | 1.34                         | 0.83                         | 40.05              | 40.74                      | 0.037484                        |
| 2024 | 3         | 3                 | 15236        | 0                   | 2             | 81                | 2.80                         | 1.16                         | 45.63              | 15.35                      | 0.138510                        |
| 2024 | 3         | 3                 | 73001        | 7300104             | 2             | 629               | 4.32                         | 0.40                         | 38.29              | 22.86                      | 0.058595                        |
| 2024 | 3         | 3                 | 50001        | 5000108             | 2             | 1101              | 3.40                         | 1.02                         | 37.83              | 24.14                      | 0.044677                        |
| 2024 | 3         | 3                 | 54673        | 0                   | 2             | 227               | 1.84                         | 0.50                         | 49.32              | 38.71                      | 0.033476                        |
| 2024 | 3         | 3                 | 25799        | 0                   | 2             | 712               | 2.38                         | 0.34                         | 40.93              | 26.88                      | 0.074492                        |
| 2024 | 3         | 3                 | 11001        | -1                  | 3             | 716               | 9.40                         | 4.87                         | 35.91              | 15.02                      | 0.028128                        |
| 2024 | 3         | 3                 | 15693        | 0                   | 2             | 157               | 1.16                         | 0.86                         | 48.87              | 38.13                      | 0.029428                        |
| 2024 | 3         | 3                 | 27615        | 0                   | 2             | 146               | 0.98                         | 0.42                         | 79.00              | 58.45                      | 0.023986                        |
| 2024 | 3         | 3                 | 68549        | 0                   | 2             | 125               | 1.46                         | 0.55                         | 50.62              | 33.23                      | 0.018342                        |
| 2024 | 3         | 3                 | 25402        | 0                   | 2             | 425               | 1.40                         | 0.84                         | 42.33              | 45.76                      | 0.045241                        |
| 2024 | 3         | 3                 | 5425         | 0                   | 2             | 166               | 1.12                         | 0.39                         | 57.25              | 39.39                      | 0.051887                        |
| 2024 | 3         | 3                 | 68001        | 6800112             | 2             | 838               | 4.90                         | 0.39                         | 45.70              | 28.22                      | 0.068570                        |
| 2024 | 3         | 3                 | 68755        | 0                   | 2             | 292               | 2.03                         | 0.39                         | 49.48              | 36.13                      | 0.052434                        |
| 2024 | 3         | 3                 | 52540        | 0                   | 2             | 65                | 1.59                         | 0.31                         | 58.19              | 37.89                      | 0.029274                        |
| 2024 | 3         | 3                 | 5240         | 0                   | 2             | 122               | 1.24                         | 0.74                         | 54.45              | 33.13                      | 0.086240                        |
| 2024 | 3         | 3                 | 52083        | 0                   | 2             | 64                | 3.81                         | 0.37                         | 62.79              | 25.53                      | 0.037349                        |
| 2024 | 3         | 3                 | 25297        | 0                   | 2             | 160               | 1.14                         | 0.85                         | 59.32              | 28.01                      | 0.043530                        |
| 2024 | 3         | 3                 | 5790         | 0                   | 2             | 132               | 1.71                         | 0.33                         | 58.04              | 38.98                      | 0.054386                        |
| 2024 | 3         | 3                 | 23672        | 0                   | 3             | 4730              | 15.57                        | 4.03                         | 42.19              | 15.08                      | 0.033915                        |
| 2024 | 3         | 3                 | 5480         | 0                   | 2             | 128               | 0.89                         | 0.60                         | 56.22              | 43.47                      | 0.038081                        |
| 2024 | 3         | 3                 | 20383        | 0                   | 2             | 199               | 1.64                         | 0.30                         | 68.57              | 42.09                      | 0.048820                        |
| 2024 | 3         | 3                 | 13433        | 0                   | 2             | 207               | 0.93                         | 0.29                         | 61.25              | 51.71                      | 0.046882                        |
| 2024 | 3         | 3                 | 25758        | 0                   | 2             | 744               | 3.35                         | 0.50                         | 39.01              | 23.20                      | 0.057093                        |
| 2024 | 3         | 3                 | 15377        | 0                   | 2             | 121               | 1.74                         | 0.84                         | 52.59              | 30.56                      | 0.019434                        |
| 2024 | 3         | 3                 | 41206        | 0                   | 2             | 118               | 1.90                         | 0.42                         | 57.71              | 30.64                      | 0.020160                        |
| 2024 | 3         | 3                 | 5088         | 0508805             | 2             | 346               | 1.58                         | 0.29                         | 47.80              | 37.16                      | 0.053526                        |
| 2024 | 3         | 3                 | 25815        | 0                   | 2             | 437               | 2.09                         | 0.86                         | 46.69              | 37.55                      | 0.037955                        |
| 2024 | 3         | 3                 | 25151        | 0                   | 2             | 315               | 1.96                         | 0.74                         | 44.74              | 41.65                      | 0.050982                        |
| 2024 | 3         | 3                 | 8296         | 0                   | 2             | 272               | 2.44                         | 0.35                         | 45.22              | 28.91                      | 0.069744                        |
| 2024 | 3         | 3                 | 5376         | 0                   | 2             | 686               | 1.57                         | 0.36                         | 57.80              | 34.73                      | 0.053088                        |
| 2024 | 3         | 3                 | 73001        | 7300109             | 2             | 1234              | 3.32                         | 0.35                         | 40.50              | 22.91                      | 0.058184                        |
| 2024 | 3         | 3                 | 5789         | 0                   | 3             | 1963              | 12.27                        | 6.58                         | 34.19              | 11.34                      | 0.028827                        |
| 2024 | 3         | 3                 | 73001        | 7300102             | 2             | 221               | 2.97                         | 0.36                         | 39.94              | 24.96                      | 0.070351                        |
| 2024 | 3         | 3                 | 41530        | 0                   | 2             | 36                | 0.60                         | 0.35                         | 53.82              | 33.35                      | 0.058892                        |
| 2024 | 3         | 3                 | 63272        | 0                   | 2             | 470               | 3.40                         | 0.36                         | 55.93              | 26.10                      | 0.037924                        |
| 2024 | 3         | 3                 | 25740        | 0                   | 2             | 850               | 2.23                         | 0.40                         | 43.36              | 31.79                      | 0.062364                        |
| 2024 | 3         | 3                 | 5250         | 0                   | 2             | 177               | 1.62                         | 0.32                         | 54.72              | 42.49                      | 0.048092                        |
| 2024 | 3         | 3                 | 54874        | 0                   | 2             | 711               | 2.00                         | 0.38                         | 45.74              | 29.50                      | 0.062824                        |
| 2024 | 3         | 3                 | 5002         | 0                   | 2             | 84                | 1.43                         | 0.30                         | 54.77              | 30.76                      | 0.063436                        |
| 2024 | 3         | 3                 | 8675         | 0                   | 2             | 22                | 0.85                         | 0.34                         | 62.98              | 66.15                      | 0.046915                        |
| 2024 | 3         | 3                 | 23001        | 2300108             | 2             | 1019              | 3.51                         | 0.48                         | 52.31              | 23.40                      | 0.061128                        |
| 2024 | 3         | 3                 | 52405        | 0                   | 2             | 120               | 1.15                         | 0.32                         | 59.08              | 38.69                      | 0.035703                        |
| 2024 | 3         | 3                 | 25885        | 0                   | 2             | 140               | 1.15                         | 0.60                         | 47.29              | 28.46                      | 0.035355                        |
| 2024 | 3         | 3                 | 50711        | 0                   | 2             | 101               | 1.26                         | 0.74                         | 50.89              | 41.61                      | 0.022479                        |
| 2024 | 3         | 3                 | 25320        | 0                   | 2             | 544               | 1.42                         | 0.82                         | 46.39              | 40.65                      | 0.051254                        |
| 2024 | 3         | 3                 | 5088         | 0508806             | 2             | 443               | 1.71                         | 0.29                         | 48.17              | 34.56                      | 0.034766                        |
| 2024 | 3         | 3                 | 68296        | 0                   | 2             | 33                | 2.41                         | 0.99                         | 42.54              | 39.15                      | 0.019857                        |
| 2024 | 3         | 3                 | 5858         | 0                   | 2             | 68                | 1.04                         | 0.35                         | 70.63              | 55.20                      | 0.038926                        |
| 2024 | 3         | 3                 | 15861        | 0                   | 2             | 197               | 1.86                         | 1.06                         | 39.90              | 31.06                      | 0.037973                        |
| 2024 | 3         | 3                 | 52215        | 0                   | 2             | 70                | 1.37                         | 0.40                         | 59.90              | 36.03                      | 0.020946                        |
| 2024 | 3         | 3                 | 47960        | 0                   | 3             | 428               | 25.23                        | 11.78                        | 45.70              | 11.74                      | 0.023690                        |
| 2024 | 3         | 3                 | 25322        | 0                   | 2             | 405               | 1.80                         | 0.71                         | 40.41              | 36.90                      | 0.035923                        |
| 2024 | 3         | 3                 | 25224        | 0                   | 2             | 169               | 1.03                         | 0.77                         | 48.13              | 34.66                      | 0.024131                        |
| 2024 | 3         | 3                 | 20178        | 0                   | 2             | 228               | 2.25                         | 0.31                         | 52.12              | 34.99                      | 0.048701                        |
| 2024 | 3         | 3                 | 25491        | 0                   | 2             | 153               | 1.36                         | 0.84                         | 46.16              | 33.25                      | 0.053975                        |
| 2024 | 3         | 3                 | 25599        | 0                   | 2             | 237               | 3.28                         | 0.85                         | 42.97              | 23.20                      | 0.039797                        |
| 2024 | 3         | 3                 | 86568        | 0                   | 2             | 586               | 2.22                         | 0.35                         | 52.92              | 32.74                      | 0.074397                        |
| 2024 | 3         | 3                 | 15516        | 0                   | 2             | 538               | 2.05                         | 1.02                         | 41.24              | 30.48                      | 0.039440                        |
| 2024 | 3         | 3                 | 73024        | 0                   | 2             | 97                | 2.82                         | 0.70                         | 44.25              | 26.26                      | 0.022333                        |
| 2024 | 3         | 3                 | 15204        | 0                   | 2             | 179               | 2.11                         | 0.83                         | 44.74              | 31.30                      | 0.064768                        |
| 2024 | 3         | 3                 | 68001        | 6800115             | 2             | 493               | 4.12                         | 0.33                         | 45.02              | 25.42                      | 0.039651                        |
| 2024 | 3         | 3                 | 25200        | 0                   | 2             | 375               | 1.33                         | 0.33                         | 45.24              | 39.56                      | 0.035222                        |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIMESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COMUNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD_DESCARGA | INDICADOR_VELOCIDAD_CARGA | INDICADOR_LATENCIA | INDICADOR_FLUCTUACION_FASE | INDICADOR_TASA_PERDIDA_PAQUETES |
|------|-----------|-------------------|--------------|---------------------|---------------|-------------------|------------------------------|---------------------------|--------------------|----------------------------|---------------------------------|
| 2024 | 3         | 3                 | 5652         | 0                   | 2             | 84                | 1.33                         | 0.90                      | 62.41              | 41.94                      | 0.032392                        |
| 2024 | 3         | 3                 | 25148        | 0                   | 2             | 246               | 1.69                         | 0.63                      | 46.77              | 38.68                      | 0.041206                        |
| 2024 | 3         | 3                 | 85139        | 0                   | 2             | 214               | 0.98                         | 0.25                      | 61.31              | 45.27                      | 0.038758                        |
| 2024 | 3         | 3                 | 5234         | 0                   | 2             | 155               | 0.71                         | 0.33                      | 62.89              | 50.24                      | 0.017691                        |
| 2024 | 3         | 3                 | 41006        | 0                   | 2             | 69                | 0.92                         | 0.31                      | 59.43              | 36.40                      | 0.033124                        |
| 2024 | 3         | 3                 | 52381        | 0                   | 2             | 130               | 3.05                         | 0.97                      | 51.02              | 23.18                      | 0.034424                        |
| 2024 | 3         | 3                 | 15507        | 0                   | 2             | 40                | 0.94                         | 0.59                      | 61.13              | 66.02                      | 0.025214                        |
| 2024 | 3         | 3                 | 5088         | 0508807             | 2             | 310               | 2.77                         | 0.36                      | 48.50              | 31.37                      | 0.048964                        |
| 2024 | 3         | 3                 | 47318        | 0                   | 2             | 58                | 0.82                         | 0.28                      | 67.93              | 55.20                      | 0.052367                        |
| 2024 | 3         | 3                 | 5034         | 0                   | 2             | 248               | 0.79                         | 0.31                      | 61.90              | 45.71                      | 0.045297                        |
| 2024 | 3         | 3                 | 27660        | 0                   | 3             | 556               | 12.43                        | 4.77                      | 38.63              | 11.56                      | 0.024498                        |
| 2024 | 3         | 3                 | 25181        | 0                   | 2             | 149               | 1.88                         | 0.33                      | 45.63              | 43.98                      | 0.057645                        |
| 2024 | 3         | 3                 | 5541         | 0                   | 2             | 152               | 0.74                         | 0.32                      | 53.63              | 38.48                      | 0.040165                        |
| 2024 | 3         | 3                 | 50318        | 0                   | 2             | 253               | 2.34                         | 0.69                      | 47.52              | 31.93                      | 0.036756                        |
| 2024 | 3         | 3                 | 5237         | 0                   | 2             | 158               | 1.95                         | 0.30                      | 48.89              | 30.27                      | 0.074715                        |
| 2024 | 3         | 3                 | 5313         | 0                   | 3             | 2636              | 10.46                        | 7.18                      | 34.50              | 13.76                      | 0.026492                        |
| 2024 | 3         | 3                 | 27580        | 0                   | 3             | 692               | 24.02                        | 13.30                     | 43.72              | 12.13                      | 0.018851                        |
| 2024 | 3         | 3                 | 20400        | 0                   | 2             | 390               | 1.79                         | 0.30                      | 59.45              | 36.47                      | 0.045327                        |
| 2024 | 3         | 3                 | 5647         | 0                   | 2             | 85                | 2.13                         | 0.35                      | 56.82              | 36.22                      | 0.031037                        |
| 2024 | 3         | 3                 | 73520        | 0                   | 2             | 91                | 1.06                         | 0.36                      | 48.58              | 31.48                      | 0.023164                        |
| 2024 | 3         | 3                 | 19585        | 0                   | 2             | 157               | 0.59                         | 0.37                      | 63.84              | 45.50                      | 0.024993                        |
| 2024 | 3         | 3                 | 73616        | 0                   | 2             | 98                | 1.10                         | 0.29                      | 53.28              | 35.33                      | 0.049440                        |
| 2024 | 3         | 3                 | 25612        | 0                   | 2             | 613               | 3.44                         | 1.08                      | 38.78              | 21.39                      | 0.038336                        |
| 2024 | 3         | 3                 | 73148        | 0                   | 2             | 432               | 2.24                         | 0.34                      | 45.67              | 26.48                      | 0.059040                        |
| 2024 | 3         | 3                 | 54520        | 0                   | 2             | 87                | 2.64                         | 0.79                      | 47.97              | 36.71                      | 0.043786                        |
| 2024 | 3         | 3                 | 63190        | 0                   | 2             | 388               | 3.29                         | 0.32                      | 55.99              | 29.18                      | 0.047291                        |
| 2024 | 3         | 3                 | 52079        | 0                   | 2             | 93                | 0.94                         | 0.27                      | 69.47              | 53.94                      | 0.045224                        |
| 2024 | 3         | 3                 | 86760        | 0                   | 2             | 101               | 2.03                         | 0.84                      | 54.59              | 32.51                      | 0.041162                        |
| 2024 | 3         | 3                 | 73001        | 7300105             | 2             | 530               | 4.64                         | 0.37                      | 38.35              | 24.02                      | 0.079835                        |
| 2024 | 3         | 3                 | 47745        | 0                   | 2             | 142               | 1.72                         | 0.27                      | 47.23              | 43.81                      | 0.056338                        |
| 2024 | 3         | 3                 | 68077        | 0                   | 2             | 283               | 2.39                         | 0.38                      | 50.47              | 28.66                      | 0.094881                        |
| 2024 | 3         | 3                 | 73411        | 0                   | 2             | 284               | 1.94                         | 0.36                      | 47.47              | 30.60                      | 0.045167                        |
| 2024 | 3         | 3                 | 54001        | 5400103             | 2             | 397               | 3.47                         | 0.37                      | 45.20              | 28.07                      | 0.064578                        |
| 2024 | 3         | 3                 | 5321         | 0                   | 2             | 74                | 1.80                         | 0.86                      | 50.90              | 32.59                      | 0.039046                        |
| 2024 | 3         | 3                 | 76616        | 0                   | 2             | 187               | 3.60                         | 0.79                      | 44.47              | 27.74                      | 0.045026                        |
| 2024 | 3         | 3                 | 5088         | 0508809             | 2             | 310               | 3.09                         | 0.37                      | 48.65              | 27.47                      | 0.048362                        |
| 2024 | 3         | 3                 | 17486        | 0                   | 2             | 233               | 1.39                         | 0.29                      | 62.88              | 38.63                      | 0.041966                        |
| 2024 | 3         | 3                 | 25099        | 0                   | 2             | 198               | 2.41                         | 0.33                      | 47.06              | 54.95                      | 0.049423                        |
| 2024 | 3         | 3                 | 5887         | 0                   | 2             | 429               | 2.04                         | 0.25                      | 57.30              | 37.77                      | 0.084192                        |
| 2024 | 3         | 3                 | 47030        | 0                   | 2             | 92                | 1.16                         | 0.33                      | 51.73              | 35.19                      | 0.043015                        |
| 2024 | 3         | 3                 | 5059         | 0                   | 2             | 41                | 1.35                         | 0.37                      | 59.43              | 38.32                      | 0.068598                        |
| 2024 | 3         | 3                 | 81065        | 0                   | 2             | 152               | 1.10                         | 0.34                      | 69.87              | 56.74                      | 0.031907                        |
| 2024 | 3         | 3                 | 76400        | 0                   | 2             | 103               | 1.24                         | 0.29                      | 57.63              | 52.77                      | 0.061712                        |
| 2024 | 3         | 3                 | 20013        | 0                   | 2             | 184               | 0.92                         | 0.33                      | 63.33              | 57.31                      | 0.036309                        |
| 2024 | 3         | 3                 | 25658        | 0                   | 2             | 306               | 1.82                         | 0.84                      | 38.42              | 38.45                      | 0.052598                        |
| 2024 | 3         | 3                 | 25040        | 0                   | 2             | 136               | 1.03                         | 0.64                      | 48.07              | 36.33                      | 0.029399                        |
| 2024 | 3         | 3                 | 20750        | 0                   | 2             | 117               | 1.32                         | 0.34                      | 56.20              | 35.94                      | 0.037101                        |
| 2024 | 3         | 3                 | 68418        | 0                   | 2             | 165               | 1.96                         | 0.25                      | 51.45              | 49.65                      | 0.052076                        |
| 2024 | 3         | 3                 | 23001        | 2300109             | 2             | 132               | 2.47                         | 0.37                      | 51.70              | 35.26                      | 0.070377                        |
| 2024 | 3         | 3                 | 23001        | 2300103             | 2             | 390               | 2.87                         | 0.39                      | 55.52              | 27.91                      | 0.060863                        |
| 2024 | 3         | 3                 | 5679         | 0                   | 2             | 156               | 2.14                         | 0.32                      | 50.91              | 43.81                      | 0.050774                        |
| 2024 | 3         | 3                 | 13074        | 0                   | 2             | 55                | 1.28                         | 0.30                      | 65.63              | 46.59                      | 0.018790                        |
| 2024 | 3         | 3                 | 23660        | 0                   | 2             | 566               | 2.05                         | 0.32                      | 51.71              | 37.22                      | 0.051591                        |
| 2024 | 3         | 3                 | 13683        | 0                   | 2             | 72                | 1.19                         | 0.58                      | 57.12              | 40.16                      | 0.032819                        |
| 2024 | 3         | 3                 | 44078        | 0                   | 2             | 279               | 1.42                         | 0.31                      | 63.42              | 46.23                      | 0.057650                        |
| 2024 | 3         | 3                 | 54385        | 0                   | 2             | 83                | 1.41                         | 0.44                      | 55.29              | 46.02                      | 0.044167                        |
| 2024 | 3         | 3                 | 13042        | 25                  | 2             | 25                | 2.00                         | 0.30                      | 81.98              | 26.80                      | 0.018652                        |
| 2024 | 3         | 3                 | 54223        | 0                   | 2             | 33                | 0.77                         | 0.27                      | 58.59              | 45.53                      | 0.060037                        |
| 2024 | 3         | 3                 | 68502        | 0                   | 2             | 90                | 2.22                         | 0.36                      | 54.25              | 40.63                      | 0.021255                        |
| 2024 | 3         | 3                 | 95001        | 0                   | 2             | 238               | 4.15                         | 0.31                      | 44.93              | 36.95                      | 0.068217                        |
| 2024 | 3         | 3                 | 76001        | 7600113             | 2             | 852               | 2.68                         | 0.36                      | 50.85              | 31.98                      | 0.056351                        |
| 2024 | 3         | 3                 | 52399        | 0                   | 2             | 251               | 1.73                         | 0.29                      | 66.57              | 40.89                      | 0.062963                        |
| 2024 | 3         | 3                 | 11001        | 1100117             | 2             | 1283              | 4.76                         | 0.38                      | 34.54              | 21.41                      | 0.057791                        |
| 2024 | 3         | 3                 | 50689        | 0                   | 2             | 263               | 2.45                         | 0.91                      | 51.46              | 36.18                      | 0.079035                        |
| 2024 | 3         | 3                 | 50124        | 0                   | 2             | 56                | 0.52                         | 0.37                      | 61                 | 70.30                      | 0.036779                        |
| 2024 | 3         | 3                 | 73408        | 0                   | 2             | 86                | 2.54                         | 0.32                      | 44.47              | 25.47                      | 0.056848                        |
| 2024 | 3         | 3                 | 15810        | 0                   | 2             | 97                | 0.72                         | 1.01                      | 53.38              | 43.70                      | 0.014263                        |
| 2024 | 3         | 3                 | 5147         | 0                   | 2             | 372               | 1.63                         | 0.31                      | 58.47              | 39.81                      | 0.034838                        |
| 2024 | 3         | 3                 | 19290        | 0                   | 2             | 62                | 4.01                         | 0.34                      | 59.69              | 28.02                      | 0.027508                        |
| 2024 | 3         | 3                 | 73217        | 0                   | 2             | 102               | 1.59                         | 0.34                      | 48.32              | 36.72                      | 0.045490                        |
| 2024 | 3         | 3                 | 17867        | 0                   | 2             | 202               | 2.71                         | 0.51                      | 66.52              | 29.09                      | 0.033538                        |
| 2024 | 3         | 3                 | 5861         | 0                   | 2             | 267               | 1.55                         | 0.36                      | 56.93              | 30.89                      | 0.037675                        |
| 2024 | 3         | 3                 | 17272        | 0                   | 2             | 188               | 1.87                         | 0.35                      | 62.38              | 25.42                      | 0.064297                        |
| 2024 | 3         | 3                 | 73275        | 0                   | 2             | 364               | 3.31                         | 0.41                      | 43.05              | 17.39                      | 0.086904                        |
| 2024 | 3         | 3                 | 68001        | 6800105             | 2             | 288               | 4.63                         | 0.36                      | 45.09              | 25.52                      | 0.048196                        |
| 2024 | 3         | 3                 | 54001        | 5400107             | 2             | 550               | 2.69                         | 0.36                      | 46.60              | 29.56                      | 0.047351                        |
| 2024 | 3         | 3                 | 68861        | 0                   | 2             | 167               | 2.30                         | 0.33                      | 51.95              | 31.09                      | 0.039369                        |
| 2024 | 3         | 3                 | 70221        | 0                   | 2             | 302               | 2.77                         | 0.31                      | 51.40              | 30.56                      | 0.049356                        |
| 2024 | 3         | 3                 | 86219        | 0                   | 2             | 112               | 1.21                         | 0.63                      | 60.96              | 44.26                      | 0.063816                        |
| 2024 | 3         | 3                 | 25281        | 0                   | 2             | 53                | 0.74                         | 0.76                      | 44.94              | 42.51                      | 0.028977                        |
| 2024 | 3         | 3                 | 41807        | 0                   | 2             | 50                | 1.68                         | 0.44                      | 60.08              | 41.75                      | 0.046137                        |
| 2024 | 3         | 3                 | 13657        | 0                   | 2             | 176               | 1.64                         | 0.32                      | 58.80              | 43.46                      | 0.039074                        |
| 2024 | 3         | 3                 | 25317        | 0                   | 2             | 183               | 1.37                         | 0.78                      | 46.86              | 42.06                      | 0.040151                        |
| 2024 | 3         | 3                 | 68655        | 0                   | 2             | 192               | 1.81                         | 0.36                      | 53.89              | 34.44                      | 0.028609                        |
| 2024 | 3         | 3                 | 50110        | 0                   | 2             | 102               | 1.71                         | 0.94                      | 51.96              | 37.49                      | 0.048006                        |
| 2024 | 3         | 3                 | 76036        | 0                   | 2             | 117               | 1.54                         | 0.32                      | 52.83              | 50.08                      | 0.048489                        |
| 2024 | 3         | 3                 | 41615        | 0                   | 2             | 197               | 2.61                         | 0.31                      | 49.99              | 41.18                      | 0.044137                        |
| 2024 | 3         | 3                 | 70124        | 0                   | 2             | 81                | 0.86                         | 0.32                      | 56.59              | 32.75                      | 0.023499                        |
| 2024 | 3         | 3                 | 5107         | 0                   | 2             | 65                | 2.12                         | 0.28                      | 51.31              | 41.77                      | 0.050484                        |
| 2024 | 3         | 3                 | 99624        | 0                   | 2             | 70                | 1.00                         | 0.51                      | 69.09              | 49.03                      | 0.009798                        |
| 2024 | 3         | 3                 | 41026        | 0                   | 2             | 166               | 1.24                         | 0.36                      | 52.65              | 26.65                      | 0.022967                        |
| 2024 | 3         | 3                 | 5895         | 0                   | 2             | 254               | 1.94                         | 0.33                      | 56.65              | 39.55                      | 0.016963                        |
| 2024 | 3         | 3                 | 68464        | 0                   | 2             | 60                | 0.90                         | 0.26                      | 56.24              | 34.23                      | 0.031021                        |
| 2024 | 3         | 3                 | 68001        | 6800116             | 2             | 265               | 4.31                         | 0.43                      | 44.48              | 23.10                      | 0.084942                        |
| 2024 | 3         | 3                 | 76001        | 7600120             | 2             | 334               | 2.48                         | 0.32                      | 51.23              | 30.55                      | 0.061510                        |
| 2024 | 3         | 3                 | 5190         | 0                   | 2             | 78                | 1.08                         | 0.90                      | 56.89              | 46.95                      | 0.029057                        |
| 2024 | 3         | 3                 | 66045        | 0                   | 2             | 57                | 1.12                         | 0.27                      | 60.56              | 38.65                      | 0.058768                        |
| 2024 | 3         | 3                 | 47707        | 0                   | 2             | 153               | 0.91                         | 0.33                      | 60.29              | 42.97                      | 0.041361                        |
| 2024 | 3         | 3                 | 23570        | 0                   | 2             | 111               | 1.11                         | 0.42                      | 66.24              | 48.98                      | 0.028935                        |
| 2024 | 3         | 3                 | 5847         | 0                   | 2             | 81                | 0.89                         | 0.35                      | 55.84              | 43.66                      | 0.020525                        |
| 2024 | 3         | 3                 | 5819         | 0                   | 2             | 97                | 1.85                         | 0.48                      | 56.92              | 48.65                      | 0.027938                        |
| 2024 | 3         | 3                 | 5001         | 0500108             | 2             | 717               | 2.43                         | 0.35                      | 46.65              | 29.29                      | 0.048901                        |
| 2024 | 3         | 3                 | 13810        | 0                   | 2             | 10                | 1.66                         | 0.22                      | 62.08              | 66                         | 0.031043                        |
| 2024 | 3         | 3                 | 73043        | 0                   | 2             | 36                | 0.78                         | 0.33                      | 46.31              | 38.60                      | 0.080955                        |





INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIMESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COMUNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD_DESCARGA | INDICADOR_VELOCIDAD_AD_CARGA | INDICADOR_LATENCIA | INDICADOR_FLUCTUACION_FASE | INDICADOR_TASA_PERDIDA_PAQUETES |
|------|-----------|-------------------|--------------|---------------------|---------------|-------------------|------------------------------|------------------------------|--------------------|----------------------------|---------------------------------|
| 2024 | 3         | 3                 | 85430        | 0                   | 2             | 75                | 1.87                         | 0.39                         | 64.22              | 53.56                      | 0.044684                        |
| 2024 | 3         | 3                 | 15476        | 0                   | 2             | 43                | 1.58                         | 0.88                         | 55.18              | 42.57                      | 0.026932                        |
| 2024 | 3         | 3                 | 23300        | 0                   | 2             | 47                | 1.03                         | 0.29                         | 57.95              | 48.31                      | 0.036129                        |
| 2024 | 3         | 3                 | 25862        | 0                   | 2             | 92                | 0.90                         | 0.63                         | 44.63              | 33.22                      | 0.047977                        |
| 2024 | 3         | 3                 | 85010        | 0                   | 2             | 426               | 2.37                         | 0.31                         | 51.34              | 33.93                      | 0.052912                        |
| 2024 | 3         | 3                 | 54128        | 0                   | 2             | 52                | 0.74                         | 0.38                         | 59.80              | 52.43                      | 0.028376                        |
| 2024 | 3         | 3                 | 19824        | 0                   | 2             | 45                | 2.50                         | 0.69                         | 50.23              | 27.34                      | 0.064217                        |
| 2024 | 3         | 3                 | 70771        | 0                   | 2             | 15                | 0.99                         | 0.22                         | 72.43              | 62.13                      | 0.030075                        |
| 2024 | 3         | 3                 | 68079        | 0                   | 2             | 72                | 0.92                         | 0.54                         | 50.97              | 41.69                      | 0.047750                        |
| 2024 | 3         | 3                 | 19548        | 0                   | 2             | 96                | 0.94                         | 0.35                         | 59.77              | 39.60                      | 0.040495                        |
| 2024 | 3         | 3                 | 15572        | 0                   | 2             | 505               | 2.09                         | 0.72                         | 48.25              | 40.49                      | 0.053893                        |
| 2024 | 3         | 3                 | 50577        | 0                   | 2             | 150               | 1.42                         | 0.65                         | 55.57              | 36.26                      | 0.020537                        |
| 2024 | 3         | 3                 | 44098        | 0                   | 2             | 106               | 2.99                         | 0.34                         | 56.15              | 32.98                      | 0.073248                        |
| 2024 | 3         | 3                 | 25823        | 0                   | 2             | 43                | 1.16                         | 0.52                         | 54.11              | 34.82                      | 0.024491                        |
| 2024 | 3         | 3                 | 27361        | 0                   | 2             | 148               | 0.91                         | 0.32                         | 64.16              | 45.11                      | 0.046284                        |
| 2024 | 3         | 3                 | 15299        | 0                   | 2             | 368               | 1.10                         | 0.96                         | 46.60              | 37.83                      | 0.028654                        |
| 2024 | 3         | 3                 | 19075        | 0                   | 2             | 75                | 1.27                         | 0.28                         | 59.17              | 38.24                      | 0.036101                        |
| 2024 | 3         | 3                 | 25288        | 0                   | 2             | 63                | 0.73                         | 0.67                         | 55.64              | 49.82                      | 0.040179                        |
| 2024 | 3         | 3                 | 15632        | 0                   | 2             | 52                | 1.32                         | 0.60                         | 59.98              | 50.56                      | 0.051095                        |
| 2024 | 3         | 3                 | 54344        | 0                   | 3             | 947               | 6.39                         | 5.78                         | 43.89              | 14.65                      | 0.035920                        |
| 2024 | 3         | 3                 | 15511        | 0                   | 2             | 23                | 0.83                         | 0.68                         | 57.67              | 45.57                      | 0.015370                        |
| 2024 | 3         | 3                 | 23068        | 0                   | 2             | 173               | 1.28                         | 0.33                         | 60.55              | 45.95                      | 0.037036                        |
| 2024 | 3         | 3                 | 25123        | 0                   | 2             | 206               | 0.97                         | 0.82                         | 46.19              | 39.85                      | 0.040411                        |
| 2024 | 3         | 3                 | 25438        | 0                   | 2             | 135               | 1.07                         | 1.05                         | 51.37              | 44.48                      | 0.027251                        |
| 2024 | 3         | 3                 | 41349        | 0                   | 2             | 75                | 1.42                         | 0.68                         | 61.30              | 43.68                      | 0.045791                        |
| 2024 | 3         | 3                 | 76001        | 7600115             | 2             | 194               | 1.80                         | 0.31                         | 57.58              | 43.05                      | 0.048658                        |
| 2024 | 3         | 3                 | 25777        | 0                   | 2             | 54                | 0.86                         | 0.53                         | 47.62              | 33.40                      | 0.035101                        |
| 2024 | 3         | 3                 | 73349        | 0                   | 2             | 255               | 1.94                         | 0.53                         | 43.90              | 36.09                      | 0.044722                        |
| 2024 | 3         | 3                 | 19785        | 0                   | 2             | 15                | 0.78                         | 0.16                         | 54.67              | 41.79                      | 0.050640                        |
| 2024 | 3         | 3                 | 41378        | 0                   | 2             | 8                 | 1.10                         | 0.44                         | 54.36              | 24                         | 0.010610                        |
| 2024 | 3         | 3                 | 68001        | 6800101             | 2             | 139               | 2.34                         | 0.30                         | 47.76              | 33.60                      | 0.040396                        |
| 2024 | 3         | 3                 | 76403        | 0                   | 2             | 146               | 1.73                         | 0.47                         | 57.90              | 49.61                      | 0.038191                        |
| 2024 | 3         | 3                 | 20228        | 0                   | 2             | 385               | 1.88                         | 0.30                         | 51.99              | 36.25                      | 0.040586                        |
| 2024 | 3         | 3                 | 68320        | 0                   | 2             | 35                | 1.46                         | 0.45                         | 54.77              | 33.91                      | 0.051231                        |
| 2024 | 3         | 3                 | 20770        | 0                   | 2             | 125               | 2.13                         | 0.58                         | 61.69              | 38.47                      | 0.056099                        |
| 2024 | 3         | 3                 | 73347        | 0                   | 2             | 54                | 5.16                         | 0.35                         | 60.67              | 26.79                      | 0.018550                        |
| 2024 | 3         | 3                 | 13655        | 0                   | 3             | 1202              | 22.04                        | 10.39                        | 56.60              | 11.91                      | 0.021629                        |
| 2024 | 3         | 3                 | 52051        | 0                   | 2             | 66                | 1.57                         | 0.54                         | 62.46              | 46.44                      | 0.049904                        |
| 2024 | 3         | 3                 | 63401        | 0                   | 2             | 375               | 3.19                         | 0.31                         | 55.55              | 25.28                      | 0.049025                        |
| 2024 | 3         | 3                 | 70717        | 0                   | 2             | 116               | 1.50                         | 0.31                         | 57.43              | 33.21                      | 0.048234                        |
| 2024 | 3         | 3                 | 41132        | 0                   | 2             | 178               | 1.11                         | 0.35                         | 63.83              | 49.53                      | 0.026789                        |
| 2024 | 3         | 3                 | 41524        | 0                   | 2             | 280               | 3.51                         | 0.36                         | 46.96              | 29.06                      | 0.066718                        |
| 2024 | 3         | 3                 | 54660        | 0                   | 2             | 121               | 1.17                         | 0.27                         | 66.67              | 48.38                      | 0.018887                        |
| 2024 | 3         | 3                 | 47720        | 0                   | 2             | 45                | 1.43                         | 0.34                         | 58.18              | 44.43                      | 0.028969                        |
| 2024 | 3         | 3                 | 54498        | 0                   | 2             | 535               | 1.83                         | 0.35                         | 53.77              | 31.85                      | 0.051412                        |
| 2024 | 3         | 3                 | 25483        | 0                   | 2             | 57                | 3.55                         | 0.53                         | 47.03              | 57.94                      | 0.043378                        |
| 2024 | 3         | 3                 | 5284         | 0                   | 2             | 104               | 1.42                         | 0.32                         | 58.42              | 31.84                      | 0.020055                        |
| 2024 | 3         | 3                 | 54001        | 5400109             | 2             | 185               | 2.05                         | 0.37                         | 47.48              | 41.90                      | 0.049586                        |
| 2024 | 3         | 3                 | 68167        | 0                   | 2             | 109               | 1.16                         | 0.32                         | 59.63              | 39.43                      | 0.024274                        |
| 2024 | 3         | 3                 | 20045        | 0                   | 2             | 222               | 0.91                         | 0.32                         | 60.25              | 42.02                      | 0.059895                        |
| 2024 | 3         | 3                 | 70233        | 0                   | 2             | 66                | 1.17                         | 0.37                         | 61.61              | 41.72                      | 0.033738                        |
| 2024 | 3         | 3                 | 5113         | 0                   | 2             | 278               | 1.41                         | 0.29                         | 56.13              | 46.62                      | 0.024943                        |
| 2024 | 3         | 3                 | 66400        | 0                   | 2             | 332               | 1.58                         | 0.37                         | 56.65              | 32.61                      | 0.060321                        |
| 2024 | 3         | 3                 | 5736         | 0                   | 2             | 134               | 1.56                         | 0.29                         | 54.13              | 47.52                      | 0.044930                        |
| 2024 | 3         | 3                 | 5579         | 0                   | 2             | 408               | 1.82                         | 0.38                         | 57.01              | 38.48                      | 0.051702                        |
| 2024 | 3         | 3                 | 68001        | 6800111             | 2             | 239               | 3.23                         | 0.33                         | 45.98              | 18.62                      | 0.069375                        |
| 2024 | 3         | 3                 | 19622        | 0                   | 2             | 69                | 1.04                         | 0.28                         | 56.18              | 38.84                      | 0.025765                        |
| 2024 | 3         | 3                 | 15599        | 0                   | 2             | 47                | 1.28                         | 0.90                         | 43.50              | 38.29                      | 0.028038                        |
| 2024 | 3         | 3                 | 19743        | 0                   | 2             | 64                | 2.73                         | 0.38                         | 55.40              | 50.14                      | 0.043347                        |
| 2024 | 3         | 3                 | 25154        | 0                   | 2             | 108               | 0.57                         | 0.82                         | 51.41              | 35.71                      | 0.025134                        |
| 2024 | 3         | 3                 | 19532        | 0                   | 2             | 205               | 1.47                         | 0.26                         | 56.52              | 49.56                      | 0.043352                        |
| 2024 | 3         | 3                 | 20621        | 0                   | 2             | 207               | 1.42                         | 0.38                         | 53.89              | 33.03                      | 0.049882                        |
| 2024 | 3         | 3                 | 68377        | 0                   | 2             | 164               | 1.07                         | 0.56                         | 56.50              | 28.46                      | 0.018290                        |
| 2024 | 3         | 3                 | 76622        | 0                   | 2             | 152               | 1.99                         | 0.34                         | 52.88              | 29.30                      | 0.040152                        |
| 2024 | 3         | 3                 | 73067        | 0                   | 2             | 35                | 1.00                         | 0.26                         | 53.35              | 41.45                      | 0.033585                        |
| 2024 | 3         | 3                 | 54261        | 0                   | 2             | 173               | 0.97                         | 0.33                         | 58.43              | 40.39                      | 0.038019                        |
| 2024 | 3         | 3                 | 95025        | 0                   | 2             | 47                | 2.66                         | 0.34                         | 49.62              | 32.60                      | 0.058225                        |
| 2024 | 3         | 3                 | 25745        | 0                   | 2             | 210               | 1.04                         | 0.80                         | 49.72              | 52.56                      | 0.027609                        |
| 2024 | 3         | 3                 | 68001        | 6800106             | 2             | 462               | 4.33                         | 0.38                         | 44.16              | 24.31                      | 0.067225                        |
| 2024 | 3         | 3                 | 27006        | 0                   | 2             | 81                | 1.49                         | 0.37                         | 78.19              | 36.33                      | 0.062536                        |
| 2024 | 3         | 3                 | 25845        | 0                   | 2             | 13                | 0.80                         | 0.63                         | 41.89              | 60                         | 0.022800                        |
| 2024 | 3         | 3                 | 70670        | 0                   | 2             | 170               | 1.46                         | 0.34                         | 56.35              | 39.56                      | 0.044997                        |
| 2024 | 3         | 3                 | 76563        | 0                   | 2             | 243               | 2.35                         | 0.34                         | 52.82              | 30.19                      | 0.051678                        |
| 2024 | 3         | 3                 | 73319        | 0                   | 2             | 171               | 1.46                         | 0.28                         | 51.84              | 40.51                      | 0.047737                        |
| 2024 | 3         | 3                 | 17513        | 0                   | 2             | 61                | 1.64                         | 0.39                         | 61.82              | 22.05                      | 0.056615                        |
| 2024 | 3         | 3                 | 5674         | 0                   | 2             | 81                | 1.04                         | 0.34                         | 55.55              | 40.61                      | 0.053421                        |
| 2024 | 3         | 3                 | 19807        | 0                   | 2             | 145               | 1.82                         | 0.32                         | 48.19              | 36.02                      | 0.078121                        |
| 2024 | 3         | 3                 | 27205        | 0                   | 2             | 52                | 0.73                         | 0.33                         | 62.24              | 37.02                      | 0.013065                        |
| 2024 | 3         | 3                 | 8520         | 0                   | 2             | 114               | 1.74                         | 0.27                         | 52.26              | 43.65                      | 0.055140                        |
| 2024 | 3         | 3                 | 13468        | 0                   | 2             | 206               | 1.35                         | 0.34                         | 56.47              | 44.08                      | 0.034074                        |
| 2024 | 3         | 3                 | 25486        | 0                   | 2             | 121               | 2.02                         | 0.86                         | 45.36              | 28.53                      | 0.045058                        |
| 2024 | 3         | 3                 | 68001        | 6800104             | 2             | 219               | 3.61                         | 0.32                         | 46.22              | 25.05                      | 0.062502                        |
| 2024 | 3         | 3                 | 81591        | 0                   | 2             | 15                | 0.95                         | 0.38                         | 84.63              | 77.22                      | 0.053678                        |
| 2024 | 3         | 3                 | 25572        | 0                   | 2             | 303               | 1.99                         | 0.37                         | 60.82              | 44.78                      | 0.058486                        |
| 2024 | 3         | 3                 | 25736        | 0                   | 2             | 142               | 2.38                         | 0.36                         | 42.92              | 33.37                      | 0.044925                        |
| 2024 | 3         | 3                 | 20787        | 0                   | 2             | 90                | 1.48                         | 0.24                         | 63.21              | 51.83                      | 0.054060                        |
| 2024 | 3         | 3                 | 97001        | 0                   | 2             | 13                | 0.54                         | 0.26                         | 613.85             | 190.30                     | 0.021805                        |
| 2024 | 3         | 3                 | 23500        | 0                   | 2             | 70                | 0.94                         | 0.19                         | 61.59              | 59.62                      | 0.044497                        |
| 2024 | 3         | 3                 | 68500        | 0                   | 2             | 162               | 1.53                         | 0.34                         | 54.53              | 37.06                      | 0.067561                        |
| 2024 | 3         | 3                 | 5660         | 0                   | 2             | 162               | 2.38                         | 0.56                         | 55.53              | 41.78                      | 0.048226                        |
| 2024 | 3         | 3                 | 8436         | 0                   | 2             | 23                | 1.02                         | 0.32                         | 49.15              | 39.62                      | 0.051224                        |
| 2024 | 3         | 3                 | 13442        | 0                   | 2             | 102               | 1.90                         | 0.33                         | 54.10              | 30.73                      | 0.054580                        |
| 2024 | 3         | 3                 | 17013        | 0                   | 2             | 254               | 1.34                         | 0.35                         | 65.04              | 34.93                      | 0.038578                        |
| 2024 | 3         | 3                 | 25769        | 0                   | 2             | 137               | 1.91                         | 0.34                         | 48.85              | 43.63                      | 0.052347                        |
| 2024 | 3         | 3                 | 23350        | 0                   | 2             | 67                | 1.78                         | 0.36                         | 60.31              | 42.95                      | 0.058856                        |
| 2024 | 3         | 3                 | 41396        | 0                   | 2             | 217               | 1.63                         | 0.31                         | 54.60              | 38.77                      | 0.064417                        |
| 2024 | 3         | 3                 | 17444        | 0                   | 2             | 106               | 1.34                         | 0.35                         | 64.34              | 42.60                      | 0.036529                        |
| 2024 | 3         | 3                 | 50287        | 0                   | 2             | 196               | 1.72                         | 0.69                         | 52.41              | 36.92                      | 0.022815                        |
| 2024 | 3         | 3                 | 25841        | 0                   | 2             | 69                | 0.77                         | 1.04                         | 42.58              | 31.51                      | 0.021464                        |
| 2024 | 3         | 3                 | 5120         | 0                   | 2             | 209               | 1.30                         | 0.29                         | 59.17              | 44.56                      | 0.035592                        |
| 2024 | 3         | 3                 | 13654        | 0                   | 2             | 65                | 0.87                         | 0.37                         | 55.36              | 42.88                      | 0.077569                        |
| 2024 | 3         | 3                 | 86749        | 0                   | 2             | 278               | 0.96                         | 0.37                         | 63.70              | 45.51                      | 0.030926                        |
| 2024 | 3         | 3                 | 73483        | 0                   | 2             | 63                | 1.23                         | 0.36                         | 49.94              | 31.92                      | 0.058697                        |
| 2024 | 3         | 3                 | 47660        | 0                   | 2             | 77                | 0.77                         | 0.29                         | 57.56              | 45.22                      | 0.050217                        |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIMESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COMUNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD_DESCARGA | INDICADOR_VELOCIDAD_CARGA | INDICADOR_LATENCIA | INDICADOR_FLUCTUACION_FASE | INDICADOR_TASA_PERDIDA_PAQUETES |
|------|-----------|-------------------|--------------|---------------------|---------------|-------------------|------------------------------|---------------------------|--------------------|----------------------------|---------------------------------|
| 2024 | 3         | 3                 | 5697         | 0                   | 2             | 138               | 0.84                         | 0.33                      | 57.79              | 46.13                      | 0.057866                        |
| 2024 | 3         | 3                 | 25662        | 0                   | 2             | 136               | 2.41                         | 0.73                      | 43.24              | 35.59                      | 0.055095                        |
| 2024 | 3         | 3                 | 5585         | 0                   | 2             | 144               | 1.84                         | 0.30                      | 66.43              | 51.28                      | 0.030783                        |
| 2024 | 3         | 3                 | 5040         | 0                   | 2             | 80                | 1.58                         | 0.29                      | 54.26              | 47.48                      | 0.029744                        |
| 2024 | 3         | 3                 | 52788        | 0                   | 2             | 163               | 1.38                         | 0.33                      | 55.09              | 34.18                      | 0.021323                        |
| 2024 | 3         | 3                 | 47058        | 0                   | 2             | 147               | 0.80                         | 0.33                      | 50.35              | 41.94                      | 0.039202                        |
| 2024 | 3         | 3                 | 68872        | 0                   | 2             | 58                | 0.60                         | 0.80                      | 53.30              | 32.33                      | 0.029700                        |
| 2024 | 3         | 3                 | 68385        | 0                   | 2             | 125               | 1.52                         | 0.50                      | 52.51              | 44.44                      | 0.021321                        |
| 2024 | 3         | 3                 | 25339        | 0                   | 3             | 1092              | 10.83                        | 8.43                      | 34.42              | 10.61                      | 0.038492                        |
| 2024 | 3         | 3                 | 23001        | 2300106             | 2             | 459               | 2.68                         | 0.39                      | 54.09              | 25.56                      | 0.067694                        |
| 2024 | 3         | 3                 | 25781        | 0                   | 2             | 84                | 1.84                         | 1.00                      | 51.28              | 48.02                      | 0.082143                        |
| 2024 | 3         | 3                 | 19110        | 0                   | 2             | 75                | 0.48                         | 0.48                      | 75.19              | 61.77                      | 0.041585                        |
| 2024 | 3         | 3                 | 17442        | 0                   | 2             | 80                | 1.53                         | 0.36                      | 61.87              | 26.96                      | 0.085742                        |
| 2024 | 3         | 3                 | 5101         | 0                   | 2             | 138               | 0.91                         | 0.34                      | 54.85              | 41.83                      | 0.036970                        |
| 2024 | 3         | 3                 | 70235        | 0                   | 2             | 76                | 2.54                         | 0.34                      | 56.87              | 23.74                      | 0.054340                        |
| 2024 | 3         | 3                 | 15681        | 0                   | 2             | 67                | 0.98                         | 0.68                      | 52.83              | 64.00                      | 0.022038                        |
| 2024 | 3         | 3                 | 86865        | 0                   | 2             | 188               | 1.36                         | 0.52                      | 53.16              | 39.57                      | 0.023824                        |
| 2024 | 3         | 3                 | 18094        | 0                   | 2             | 47                | 2.57                         | 0.39                      | 56.81              | 25.00                      | 0.032570                        |
| 2024 | 3         | 3                 | 23079        | 0                   | 2             | 33                | 0.89                         | 0.24                      | 96.83              | 62.20                      | 0.057478                        |
| 2024 | 3         | 3                 | 17614        | 0                   | 2             | 229               | 1.40                         | 0.32                      | 56.76              | 32.77                      | 0.057760                        |
| 2024 | 3         | 3                 | 47551        | 0                   | 2             | 105               | 1.89                         | 0.29                      | 51.67              | 35.56                      | 0.062608                        |
| 2024 | 3         | 3                 | 41668        | 0                   | 2             | 195               | 0.95                         | 0.29                      | 61.96              | 52.37                      | 0.053941                        |
| 2024 | 3         | 3                 | 76890        | 0                   | 2             | 313               | 2.80                         | 0.35                      | 52.76              | 26.36                      | 0.044374                        |
| 2024 | 3         | 3                 | 44874        | 0                   | 2             | 196               | 1.98                         | 0.77                      | 53.50              | 24.39                      | 0.068757                        |
| 2024 | 3         | 3                 | 13440        | 0                   | 3             | 499               | 15.60                        | 4.06                      | 44.77              | 19.45                      | 0.042513                        |
| 2024 | 3         | 3                 | 17777        | 0                   | 2             | 97                | 1.09                         | 0.29                      | 61.22              | 45.60                      | 0.067597                        |
| 2024 | 3         | 3                 | 76895        | 0                   | 2             | 529               | 3.96                         | 0.34                      | 51.56              | 29.80                      | 0.080894                        |
| 2024 | 3         | 3                 | 52256        | 0                   | 2             | 64                | 0.88                         | 0.23                      | 66.27              | 50.05                      | 0.053951                        |
| 2024 | 3         | 3                 | 20550        | 0                   | 2             | 113               | 1.08                         | 0.34                      | 71.14              | 47.51                      | 0.033139                        |
| 2024 | 3         | 3                 | 73001        | 7300111             | 2             | 193               | 3.11                         | 0.40                      | 39.99              | 27.80                      | 0.062877                        |
| 2024 | 3         | 3                 | 5873         | 0                   | 2             | 29                | 0.52                         | 0.36                      | 80.75              | 49.17                      | 0.053600                        |
| 2024 | 3         | 3                 | 5001         | 0500102             | 2             | 456               | 2.26                         | 0.34                      | 47.13              | 30.61                      | 0.068056                        |
| 2024 | 3         | 3                 | 5282         | 0                   | 2             | 183               | 2.43                         | 0.34                      | 57.39              | 38.01                      | 0.054677                        |
| 2024 | 3         | 3                 | 73861        | 0                   | 2             | 133               | 3.06                         | 0.34                      | 41.06              | 28.48                      | 0.070205                        |
| 2024 | 3         | 3                 | 15897        | 0                   | 2             | 83                | 1.12                         | 0.73                      | 45.11              | 30.19                      | 0.032986                        |
| 2024 | 3         | 3                 | 52480        | 0                   | 2             | 57                | 1.09                         | 0.35                      | 56.94              | 38.28                      | 0.030692                        |
| 2024 | 3         | 3                 | 66075        | 0                   | 2             | 130               | 3.35                         | 0.36                      | 57.47              | 25.06                      | 0.115826                        |
| 2024 | 3         | 3                 | 52683        | 0                   | 2             | 258               | 1.05                         | 0.32                      | 58.18              | 37.46                      | 0.027403                        |
| 2024 | 3         | 3                 | 68147        | 0                   | 2             | 52                | 1.31                         | 0.40                      | 62.53              | 26.91                      | 0.016698                        |
| 2024 | 3         | 3                 | 8433         | 0                   | 2             | 462               | 2.09                         | 0.32                      | 47.85              | 31.43                      | 0.053526                        |
| 2024 | 3         | 3                 | 68211        | 0                   | 2             | 50                | 1.60                         | 0.38                      | 52.44              | 13.54                      | 0.102519                        |
| 2024 | 3         | 3                 | 68013        | 0                   | 3             | 470               | 46.14                        | 12.86                     | 30.95              | 6.48                       | 0.020919                        |
| 2024 | 3         | 3                 | 25594        | 0                   | 2             | 147               | 0.89                         | 0.84                      | 61.25              | 45.21                      | 0.051126                        |
| 2024 | 3         | 3                 | 73270        | 0                   | 2             | 108               | 0.97                         | 0.34                      | 48.40              | 40.56                      | 0.026056                        |
| 2024 | 3         | 3                 | 73870        | 0                   | 2             | 13                | 1.46                         | 0.39                      | 46.42              | 29.17                      | 0.009733                        |
| 2024 | 3         | 3                 | 5091         | 0                   | 2             | 85                | 1.17                         | 0.29                      | 57.72              | 48.29                      | 0.048309                        |
| 2024 | 3         | 3                 | 5642         | 0                   | 2             | 110               | 1.04                         | 0.34                      | 58.88              | 44.35                      | 0.035337                        |
| 2024 | 3         | 3                 | 18205        | 0                   | 2             | 40                | 3.84                         | 0.36                      | 51.11              | 24.73                      | 0.082967                        |
| 2024 | 3         | 3                 | 15500        | 0                   | 2             | 48                | 1.82                         | 1.01                      | 47.82              | 34.07                      | 0.037386                        |
| 2024 | 3         | 3                 | 15518        | 0                   | 2             | 80                | 1.94                         | 0.73                      | 52.71              | 37.48                      | 0.030047                        |
| 2024 | 3         | 3                 | 18410        | 0                   | 2             | 72                | 1.48                         | 0.37                      | 66.03              | 40.53                      | 0.054197                        |
| 2024 | 3         | 3                 | 19397        | 0                   | 2             | 74                | 1.37                         | 0.34                      | 53.25              | 39.15                      | 0.025187                        |
| 2024 | 3         | 3                 | 23419        | 0                   | 2             | 39                | 0.66                         | 0.38                      | 79.89              | 66.61                      | 0.057187                        |
| 2024 | 3         | 3                 | 5148         | 0                   | 2             | 531               | 1.18                         | 0.36                      | 54.38              | 34.61                      | 0.042825                        |
| 2024 | 3         | 3                 | 68271        | 0                   | 2             | 40                | 0.96                         | 0.67                      | 63.59              | 43.09                      | 0.044173                        |
| 2024 | 3         | 3                 | 25873        | 0                   | 2             | 100               | 0.93                         | 0.85                      | 44.44              | 42.06                      | 0.065220                        |
| 2024 | 3         | 3                 | 73443        | 0                   | 2             | 231               | 1.76                         | 0.35                      | 48.16              | 37.07                      | 0.057511                        |
| 2024 | 3         | 3                 | 8549         | 0                   | 2             | 44                | 2.40                         | 0.33                      | 49.57              | 36.53                      | 0.050320                        |
| 2024 | 3         | 3                 | 54313        | 0                   | 2             | 29                | 1.30                         | 0.30                      | 73.55              | 29.56                      | 0.052821                        |
| 2024 | 3         | 3                 | 15755        | 0                   | 2             | 65                | 1.62                         | 0.88                      | 52.89              | 36.84                      | 0.033852                        |
| 2024 | 3         | 3                 | 19256        | 0                   | 2             | 136               | 2.19                         | 0.30                      | 57.18              | 27.77                      | 0.083742                        |
| 2024 | 3         | 3                 | 5854         | 0                   | 2             | 129               | 1.85                         | 0.31                      | 51.69              | 42.21                      | 0.059781                        |
| 2024 | 3         | 3                 | 68020        | 0                   | 2             | 21                | 0.77                         | 0.21                      | 68.15              | 63.29                      | 0.019701                        |
| 2024 | 3         | 3                 | 15837        | 0                   | 2             | 125               | 0.91                         | 0.79                      | 47.50              | 31.65                      | 0.039997                        |
| 2024 | 3         | 3                 | 15097        | 0                   | 2             | 47                | 1.28                         | 0.96                      | 46.69              | 25.19                      | 0.046368                        |
| 2024 | 3         | 3                 | 47460        | 0                   | 2             | 97                | 0.82                         | 0.32                      | 75.51              | 49.43                      | 0.036445                        |
| 2024 | 3         | 3                 | 25339        | 0                   | 2             | 48                | 1.86                         | 0.86                      | 61.05              | 35.79                      | 0.031405                        |
| 2024 | 3         | 3                 | 23189        | 0                   | 2             | 255               | 1.84                         | 0.33                      | 59.66              | 33.95                      | 0.043784                        |
| 2024 | 3         | 3                 | 15380        | 0                   | 2             | 67                | 2.06                         | 0.79                      | 43.85              | 21.55                      | 0.025417                        |
| 2024 | 3         | 3                 | 68235        | 0                   | 2             | 181               | 0.67                         | 0.30                      | 58.71              | 35.35                      | 0.027716                        |
| 2024 | 3         | 3                 | 50450        | 0                   | 2             | 32                | 0.70                         | 0.49                      | 51.78              | 40.52                      | 0.037426                        |
| 2024 | 3         | 3                 | 68773        | 0                   | 2             | 38                | 1.69                         | 0.24                      | 59.08              | 36.68                      | 0.037553                        |
| 2024 | 3         | 3                 | 19137        | 0                   | 2             | 58                | 0.63                         | 0.55                      | 53.84              | 40.84                      | 0.018681                        |
| 2024 | 3         | 3                 | 23001        | 2300102             | 2             | 159               | 2.55                         | 0.40                      | 49.44              | 23.31                      | 0.041099                        |
| 2024 | 3         | 3                 | 13670        | 0                   | 2             | 56                | 1.47                         | 0.28                      | 61.12              | 33.20                      | 0.040999                        |
| 2024 | 3         | 3                 | 41016        | 0                   | 2             | 134               | 2.76                         | 0.36                      | 48.79              | 37.57                      | 0.054380                        |
| 2024 | 3         | 3                 | 86885        | 0                   | 2             | 156               | 2.14                         | 0.36                      | 52.36              | 24.28                      | 0.072884                        |
| 2024 | 3         | 3                 | 19701        | 0                   | 2             | 185               | 1.18                         | 0.33                      | 66.24              | 44.68                      | 0.048974                        |
| 2024 | 3         | 3                 | 25398        | 0                   | 2             | 67                | 1.18                         | 0.53                      | 45.74              | 36.46                      | 0.045798                        |
| 2024 | 3         | 3                 | 15690        | 0                   | 2             | 61                | 1.16                         | 0.60                      | 54.78              | 40.73                      | 0.037030                        |
| 2024 | 3         | 3                 | 18592        | 0                   | 2             | 76                | 2.02                         | 0.32                      | 67.86              | 37.24                      | 0.031268                        |
| 2024 | 3         | 3                 | 13473        | 0                   | 2             | 38                | 1.84                         | 0.28                      | 84.59              | 38.46                      | 0.049667                        |
| 2024 | 3         | 3                 | 20517        | 0                   | 2             | 144               | 1.11                         | 0.33                      | 73.21              | 38.74                      | 0.029328                        |
| 2024 | 3         | 3                 | 23574        | 0                   | 2             | 64                | 0.52                         | 0.25                      | 75.33              | 50.59                      | 0.059974                        |
| 2024 | 3         | 3                 | 54003        | 0                   | 2             | 166               | 0.76                         | 0.36                      | 57.74              | 44.26                      | 0.070339                        |
| 2024 | 3         | 3                 | 54051        | 0                   | 2             | 52                | 0.89                         | 0.32                      | 54.50              | 35.65                      | 0.021852                        |
| 2024 | 3         | 3                 | 54377        | 0                   | 2             | 24                | 0.92                         | 0.45                      | 67.94              | 54.68                      | 0.021127                        |
| 2024 | 3         | 3                 | 52227        | 0                   | 2             | 113               | 2.03                         | 0.29                      | 57.78              | 43.24                      | 0.044676                        |
| 2024 | 3         | 3                 | 15092        | 0                   | 2             | 19                | 0.87                         | 0.93                      | 49.10              | 47.94                      | 0.006367                        |
| 2024 | 3         | 3                 | 23001        | 2300105             | 2             | 649               | 3.65                         | 0.40                      | 52.83              | 19.08                      | 0.073236                        |
| 2024 | 3         | 3                 | 15790        | 0                   | 2             | 95                | 1.95                         | 0.54                      | 57.82              | 42.93                      | 0.035156                        |
| 2024 | 3         | 3                 | 5368         | 0                   | 2             | 194               | 1.30                         | 0.31                      | 58.46              | 37.87                      | 0.039608                        |
| 2024 | 3         | 3                 | 85300        | 0                   | 2             | 40                | 1.35                         | 0.37                      | 94.96              | 56.57                      | 0.049321                        |
| 2024 | 3         | 3                 | 54480        | 0                   | 2             | 43                | 1.15                         | 0.63                      | 69.11              | 47.09                      | 0.051792                        |
| 2024 | 3         | 3                 | 25878        | 0                   | 2             | 180               | 1.72                         | 0.64                      | 49.05              | 35.56                      | 0.062464                        |
| 2024 | 3         | 3                 | 73547        | 0                   | 2             | 121               | 1.43                         | 0.34                      | 48.53              | 29.77                      | 0.049157                        |
| 2024 | 3         | 3                 | 19100        | 0                   | 2             | 40                | 1.05                         | 0.69                      | 52.10              | 38.03                      | 0.050094                        |
| 2024 | 3         | 3                 | 47692        | 0                   | 2             | 123               | 0.92                         | 0.34                      | 65.26              | 43.94                      | 0.037566                        |
| 2024 | 3         | 3                 | 70678        | 0                   | 2             | 59                | 1.83                         | 0.32                      | 54.28              | 31.31                      | 0.027220                        |
| 2024 | 3         | 3                 | 8832         | 0                   | 2             | 79                | 2.26                         | 0.44                      | 48.63              | 44.60                      | 0.044685                        |
| 2024 | 3         | 3                 | 13440        | 0                   | 2             | 31                | 1.70                         | 0.30                      | 56.92              | 38.61                      | 0.070334                        |
| 2024 | 3         | 3                 | 52427        | 0                   | 2             | 16                | 1.51                         | 0.35                      | 71.21              | 44.74                      | 0.009657                        |
| 2024 | 3         | 3                 | 5670         | 0                   | 2             | 201               | 0.49                         | 0.23                      | 62.48              | 48.79                      | 0.037019                        |
| 2024 | 3         | 3                 | 50330        | 0                   | 2             | 90                | 1.20                         | 0.51                      | 61.55              | 47.81                      | 0.032245                        |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIMESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COMUNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD_DESCARGA | INDICADOR_VELOCIDAD_AD_CARGA | INDICADOR_LATENCIA | INDICADOR_FLUCTUACION_FASE | INDICADOR_TASA_PERDIDA_PAQU |
|------|-----------|-------------------|--------------|---------------------|---------------|-------------------|------------------------------|------------------------------|--------------------|----------------------------|-----------------------------|
| 2024 | 3         | 3                 | 70473        | 0                   | 2             | 94                | 1.79                         | 0.32                         | 58.44              | 36.21                      | 0.044545                    |
| 2024 | 3         | 3                 | 5390         | 0                   | 2             | 85                | 1.93                         | 0.33                         | 53.45              | 29.21                      | 0.084993                    |
| 2024 | 3         | 3                 | 47258        | 0                   | 2             | 81                | 2.27                         | 0.28                         | 47.90              | 29.21                      | 0.030386                    |
| 2024 | 3         | 3                 | 5209         | 0                   | 2             | 78                | 0.70                         | 0.35                         | 57.44              | 42.72                      | 0.036089                    |
| 2024 | 3         | 3                 | 68444        | 0                   | 2             | 15                | 1.95                         | 0.34                         | 46.67              | 39.36                      | 0.047814                    |
| 2024 | 3         | 3                 | 8372         | 0                   | 2             | 152               | 2.47                         | 0.28                         | 52.40              | 47.15                      | 0.070785                    |
| 2024 | 3         | 3                 | 8558         | 0                   | 2             | 30                | 1.55                         | 0.41                         | 52.98              | 25.84                      | 0.067099                    |
| 2024 | 3         | 3                 | 54206        | 0                   | 3             | 972               | 0.28                         | 2.10                         | 65.20              | 14.73                      | 0.056988                    |
| 2024 | 3         | 3                 | 8137         | 0                   | 2             | 38                | 1.18                         | 0.26                         | 52.63              | 41.98                      | 0.057636                    |
| 2024 | 3         | 3                 | 23168        | 0                   | 2             | 36                | 1.36                         | 0.32                         | 50.57              | 40.68                      | 0.024603                    |
| 2024 | 3         | 3                 | 13244        | 0                   | 2             | 179               | 0.73                         | 0.30                         | 64.99              | 59.21                      | 0.056108                    |
| 2024 | 3         | 3                 | 19130        | 0                   | 2             | 57                | 1.28                         | 0.30                         | 52.18              | 41.14                      | 0.043667                    |
| 2024 | 3         | 3                 | 27245        | 0                   | 2             | 161               | 2.25                         | 0.38                         | 62.40              | 37.60                      | 0.072621                    |
| 2024 | 3         | 3                 | 76126        | 0                   | 2             | 218               | 2.51                         | 0.28                         | 55.85              | 31.12                      | 0.062374                    |
| 2024 | 3         | 3                 | 54250        | 0                   | 2             | 36                | 0.35                         | 0.35                         | 56.62              | 47.87                      | 0.004376                    |
| 2024 | 3         | 3                 | 23672        | 0                   | 2             | 326               | 1.76                         | 0.30                         | 55.23              | 41.72                      | 0.038424                    |
| 2024 | 3         | 3                 | 15839        | 0                   | 2             | 57                | 1.15                         | 0.51                         | 52.70              | 58.63                      | 0.036492                    |
| 2024 | 3         | 3                 | 68162        | 0                   | 2             | 52                | 1.38                         | 0.67                         | 51.27              | 33.09                      | 0.016921                    |
| 2024 | 3         | 3                 | 85325        | 0                   | 2             | 114               | 1.55                         | 0.21                         | 53.86              | 32.64                      | 0.033912                    |
| 2024 | 3         | 3                 | 68669        | 0                   | 2             | 104               | 1.65                         | 0.56                         | 54.22              | 47.53                      | 0.024828                    |
| 2024 | 3         | 3                 | 5467         | 0                   | 2             | 32                | 1.56                         | 0.38                         | 57.28              | 35.72                      | 0.054511                    |
| 2024 | 3         | 3                 | 15621        | 0                   | 2             | 100               | 1.09                         | 0.69                         | 49.35              | 39.18                      | 0.026562                    |
| 2024 | 3         | 3                 | 73555        | 0                   | 2             | 29                | 2.03                         | 0.30                         | 64.59              | 40.50                      | 0.041738                    |
| 2024 | 3         | 3                 | 52203        | 0                   | 2             | 44                | 1.99                         | 0.28                         | 62.16              | 41.72                      | 0.026089                    |
| 2024 | 3         | 3                 | 54174        | 0                   | 2             | 107               | 1.38                         | 1.02                         | 43.76              | 22.25                      | 0.013644                    |
| 2024 | 3         | 3                 | 25489        | 0                   | 2             | 69                | 2.25                         | 0.86                         | 41.01              | 34.15                      | 0.048285                    |
| 2024 | 3         | 3                 | 18785        | 0                   | 2             | 8                 | 0.99                         | 0.34                         | 57.55              | 24                         | 0.040808                    |
| 2024 | 3         | 3                 | 41357        | 0                   | 2             | 25                | 1.12                         | 0.34                         | 59.65              | 57.93                      | 0.020610                    |
| 2024 | 3         | 3                 | 68820        | 0                   | 2             | 168               | 1.42                         | 0.39                         | 56.63              | 44.90                      | 0.020113                    |
| 2024 | 3         | 3                 | 15542        | 0                   | 2             | 78                | 0.93                         | 0.58                         | 51.51              | 33.59                      | 0.022329                    |
| 2024 | 3         | 3                 | 18247        | 0                   | 2             | 68                | 2.60                         | 0.48                         | 56.65              | 24.15                      | 0.050497                    |
| 2024 | 3         | 3                 | 8141         | 0                   | 2             | 33                | 1.13                         | 0.35                         | 48.28              | 30.53                      | 0.063494                    |
| 2024 | 3         | 3                 | 5036         | 0                   | 2             | 28                | 3.39                         | 0.28                         | 55.79              | 29.69                      | 0.057735                    |
| 2024 | 3         | 3                 | 44090        | 0                   | 2             | 196               | 1.30                         | 0.27                         | 65.89              | 45.69                      | 0.039008                    |
| 2024 | 3         | 3                 | 15763        | 0                   | 2             | 121               | 1.14                         | 0.89                         | 47.77              | 34.47                      | 0.017533                    |
| 2024 | 3         | 3                 | 8606         | 0                   | 2             | 110               | 1.48                         | 0.32                         | 56.49              | 41.51                      | 0.079004                    |
| 2024 | 3         | 3                 | 15531        | 0                   | 2             | 8                 | 0.72                         | 0.29                         | 53.67              | 50.71                      | 0.004750                    |
| 2024 | 3         | 3                 | 25407        | 0                   | 2             | 75                | 0.77                         | 0.71                         | 62.23              | 46.07                      | 0.026763                    |
| 2024 | 3         | 3                 | 18860        | 0                   | 2             | 50                | 4.05                         | 0.34                         | 57.59              | 26.88                      | 0.035226                    |
| 2024 | 3         | 3                 | 27491        | 0                   | 2             | 19                | 0.79                         | 0.58                         | 64.14              | 36.91                      | 0.006531                    |
| 2024 | 3         | 3                 | 15109        | 0                   | 2             | 45                | 0.94                         | 0.61                         | 50.05              | 56.58                      | 0.045289                    |
| 2024 | 3         | 3                 | 27075        | 0                   | 2             | 39                | 0.93                         | 0.41                         | 78.83              | 36.03                      | 0.027785                    |
| 2024 | 3         | 3                 | 15180        | 0                   | 2             | 9                 | 1.26                         | 0.93                         | 71.39              | 55.78                      | 0.034845                    |
| 2024 | 3         | 3                 | 23586        | 0                   | 2             | 26                | 0.97                         | 0.83                         | 48.14              | 37.10                      | 0.046565                    |
| 2024 | 3         | 3                 | 70823        | 0                   | 2             | 167               | 1.53                         | 0.33                         | 58.24              | 44.04                      | 0.038884                    |
| 2024 | 3         | 3                 | 41503        | 0                   | 2             | 69                | 1.42                         | 0.31                         | 56.63              | 57.78                      | 0.038357                    |
| 2024 | 3         | 3                 | 73352        | 0                   | 2             | 132               | 2.14                         | 0.77                         | 42.83              | 27.76                      | 0.035995                    |
| 2024 | 3         | 3                 | 15322        | 0                   | 2             | 127               | 1.13                         | 0.85                         | 43.61              | 31.96                      | 0.059241                    |
| 2024 | 3         | 3                 | 50370        | 0                   | 2             | 21                | 0.24                         | 0.43                         | 80.57              | 57.57                      | 0.012251                    |
| 2024 | 3         | 3                 | 20614        | 0                   | 2             | 64                | 1.83                         | 0.31                         | 73.85              | 50.30                      | 0.049947                    |
| 2024 | 3         | 3                 | 86757        | 0                   | 2             | 67                | 1.16                         | 0.63                         | 53.18              | 37.14                      | 0.025121                    |
| 2024 | 3         | 3                 | 8634         | 0                   | 2             | 102               | 1.25                         | 0.27                         | 52.45              | 47.49                      | 0.075922                    |
| 2024 | 3         | 3                 | 94001        | 0                   | 2             | 138               | 0.69                         | 0.28                         | 58.50              | 50.37                      | 0.021888                    |
| 2024 | 3         | 3                 | 52490        | 0                   | 2             | 31                | 0.63                         | 0.69                         | 60.16              | 34.97                      | 0.028189                    |
| 2024 | 3         | 3                 | 25851        | 0                   | 2             | 46                | 1.95                         | 0.66                         | 44.84              | 26.66                      | 0.080446                    |
| 2024 | 3         | 3                 | 95015        | 0                   | 2             | 41                | 0.96                         | 0.49                         | 54.47              | 42.41                      | 0.030507                    |
| 2024 | 3         | 3                 | 68498        | 0                   | 2             | 50                | 0.98                         | 0.36                         | 53.15              | 32.72                      | 0.012401                    |
| 2024 | 3         | 3                 | 41483        | 0                   | 2             | 120               | 1.21                         | 0.95                         | 45.56              | 31.54                      | 0.010120                    |
| 2024 | 3         | 3                 | 13744        | 0                   | 2             | 39                | 2.01                         | 0.31                         | 79.28              | 48.94                      | 0.030650                    |
| 2024 | 3         | 3                 | 50400        | 0                   | 2             | 107               | 1.50                         | 0.67                         | 55.37              | 45.16                      | 0.031073                    |
| 2024 | 3         | 3                 | 5495         | 0                   | 2             | 14                | 0.56                         | 0.23                         | 59.81              | 48.53                      | 0.036839                    |
| 2024 | 3         | 3                 | 5134         | 0                   | 2             | 49                | 0.62                         | 0.30                         | 63.51              | 47.19                      | 0.011452                    |
| 2024 | 3         | 3                 | 13838        | 0                   | 2             | 76                | 1.15                         | 0.27                         | 55.40              | 40.64                      | 0.045905                    |
| 2024 | 3         | 3                 | 73200        | 0                   | 2             | 115               | 2.87                         | 0.41                         | 42.50              | 21.92                      | 0.065812                    |
| 2024 | 3         | 3                 | 15047        | 0                   | 2             | 113               | 1.01                         | 1.05                         | 45.42              | 32.82                      | 0.031484                    |
| 2024 | 3         | 3                 | 20443        | 0                   | 2             | 75                | 0.52                         | 0.35                         | 61.38              | 46.14                      | 0.015770                    |
| 2024 | 3         | 3                 | 50590        | 0                   | 2             | 88                | 0.94                         | 0.64                         | 60.12              | 45.11                      | 0.031113                    |
| 2024 | 3         | 3                 | 52687        | 0                   | 2             | 99                | 2.15                         | 0.36                         | 57.96              | 31.53                      | 0.053296                    |
| 2024 | 3         | 3                 | 73226        | 0                   | 2             | 39                | 2.04                         | 0.34                         | 49.74              | 36                         | 0.046569                    |
| 2024 | 3         | 3                 | 25086        | 0                   | 2             | 27                | 2.75                         | 0.98                         | 50.50              | 42.26                      | 0.040386                    |
| 2024 | 3         | 3                 | 68318        | 0                   | 2             | 39                | 0.97                         | 0.38                         | 58.67              | 52.06                      | 0.018512                    |
| 2024 | 3         | 3                 | 15664        | 0                   | 2             | 57                | 1.62                         | 1.02                         | 43.02              | 24.11                      | 0.075567                    |
| 2024 | 3         | 3                 | 50680        | 0                   | 2             | 180               | 2.47                         | 0.88                         | 56.60              | 38.69                      | 0.030779                    |
| 2024 | 3         | 3                 | 52573        | 0                   | 2             | 54                | 0.66                         | 0.23                         | 68.72              | 38.28                      | 0.035418                    |
| 2024 | 3         | 3                 | 11001        | -1                  | 2             | 90                | 0.88                         | 0.63                         | 58.72              | 53.37                      | 0.020715                    |
| 2024 | 3         | 3                 | 47170        | 0                   | 2             | 40                | 1.88                         | 0.39                         | 67.36              | 23.04                      | 0.073438                    |
| 2024 | 3         | 3                 | 70418        | 0                   | 2             | 81                | 1.59                         | 0.34                         | 54.64              | 32.35                      | 0.074834                    |
| 2024 | 3         | 3                 | 5792         | 0                   | 2             | 95                | 0.63                         | 0.65                         | 53.57              | 45.58                      | 0.023398                    |
| 2024 | 3         | 3                 | 15244        | 0                   | 2             | 80                | 1.08                         | 0.83                         | 53.52              | 36.14                      | 0.019852                    |
| 2024 | 3         | 3                 | 27050        | 0                   | 2             | 77                | 1.49                         | 0.76                         | 56.27              | 23.14                      | 0.064281                    |
| 2024 | 3         | 3                 | 41676        | 0                   | 2             | 44                | 1.49                         | 0.76                         | 48.07              | 26.11                      | 0.034152                    |
| 2024 | 3         | 3                 | 15686        | 0                   | 2             | 93                | 0.74                         | 0.80                         | 57.87              | 33.54                      | 0.046020                    |
| 2024 | 3         | 3                 | 54800        | 0                   | 2             | 12                | 0.95                         | 0.42                         | 55.83              | 48.11                      | 0.045608                    |
| 2024 | 3         | 3                 | 13188        | 0                   | 2             | 52                | 0.88                         | 0.26                         | 74.85              | 67.86                      | 0.039956                    |
| 2024 | 3         | 3                 | 19392        | 0                   | 2             | 87                | 1.08                         | 0.29                         | 58.10              | 37.10                      | 0.022805                    |
| 2024 | 3         | 3                 | 13647        | 0                   | 2             | 104               | 0.94                         | 0.37                         | 54.66              | 38.43                      | 0.039500                    |
| 2024 | 3         | 3                 | 52250        | 0                   | 2             | 34                | 0.93                         | 0.29                         | 65.06              | 53.26                      | 0.030517                    |
| 2024 | 3         | 3                 | 25001        | 0                   | 2             | 46                | 2.41                         | 0.52                         | 46.57              | 37.01                      | 0.063496                    |
| 2024 | 3         | 3                 | 25394        | 0                   | 2             | 108               | 1.10                         | 0.70                         | 44.28              | 32.57                      | 0.024746                    |
| 2024 | 3         | 3                 | 68255        | 0                   | 2             | 107               | 1.64                         | 0.29                         | 51.06              | 38.48                      | 0.019491                    |
| 2024 | 3         | 3                 | 25299        | 0                   | 2             | 76                | 0.77                         | 0.63                         | 63.82              | 48.54                      | 0.013293                    |
| 2024 | 3         | 3                 | 8685         | 0                   | 2             | 109               | 2.54                         | 0.32                         | 49.57              | 40.11                      | 0.062670                    |
| 2024 | 3         | 3                 | 5885         | 0                   | 2             | 68                | 0.87                         | 0.29                         | 62.53              | 47.53                      | 0.069347                    |
| 2024 | 3         | 3                 | 76243        | 0                   | 2             | 43                | 0.99                         | 0.35                         | 95.38              | 56.99                      | 0.019052                    |
| 2024 | 3         | 3                 | 5313         | 0                   | 2             | 63                | 0.80                         | 0.49                         | 66.88              | 53.47                      | 0.041946                    |
| 2024 | 3         | 3                 | 25805        | 0                   | 2             | 55                | 1.77                         | 0.63                         | 49.12              | 45.34                      | 0.023867                    |
| 2024 | 3         | 3                 | 15087        | 0                   | 2             | 81                | 1.17                         | 0.71                         | 51.03              | 47.20                      | 0.044294                    |
| 2024 | 3         | 3                 | 52110        | 0                   | 2             | 180               | 1.14                         | 0.21                         | 64.98              | 59.98                      | 0.047994                    |
| 2024 | 3         | 3                 | 52317        | 0                   | 2             | 83                | 1.26                         | 0.30                         | 59.66              | 44.79                      | 0.039391                    |
| 2024 | 3         | 3                 | 5576         | 0                   | 2             | 62                | 1.30                         | 0.32                         | 59.84              | 33.96                      | 0.024574                    |
| 2024 | 3         | 3                 | 68682        | 0                   | 2             | 17                | 2.21                         | 0.89                         | 46.14              | 51.11                      | 0.014097                    |
| 2024 | 3         | 3                 | 15466        | 0                   | 2             | 25                | 1.63                         | 1.13                         | 42.84              | 23.57                      | 0.054846                    |
| 2024 | 3         | 3                 | 19517        | 0                   | 2             | 50                | 0.89                         | 0.43                         | 72.84              | 50.53                      | 0.022088                    |
| 2024 | 3         | 3                 | 13780        | 0                   | 2             | 39                | 1.26                         | 0.52                         | 62.99              | 49                         | 0.077868                    |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIMESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COMUNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD_DESCARGA | INDICADOR_VELOCIDAD_CARGA | INDICADOR_LATENCIA | INDICADOR_FLUCTUACION_FASE | INDICADOR_TASA_PERDIDA_PAQUETES |
|------|-----------|-------------------|--------------|---------------------|---------------|-------------------|------------------------------|---------------------------|--------------------|----------------------------|---------------------------------|
| 2024 | 3         | 3                 | 76828        | 0                   | 2             | 22                | 2.58                         | 0.29                      | 52.92              | 22.16                      | 0.049910                        |
| 2024 | 3         | 3                 | 19318        | 0                   | 2             | 42                | 1.42                         | 0.37                      | 59.77              | 39.78                      | 0.063057                        |
| 2024 | 3         | 3                 | 47960        | 0                   | 2             | 8                 | 1.05                         | 0.16                      | 52.67              | 60.56                      | 0.010667                        |
| 2024 | 3         | 3                 | 15720        | 0                   | 2             | 45                | 0.88                         | 0.69                      | 63.41              | 69.80                      | 0.019003                        |
| 2024 | 3         | 3                 | 76736        | 0                   | 2             | 111               | 1.96                         | 0.30                      | 57.02              | 40.86                      | 0.052347                        |
| 2024 | 3         | 3                 | 47703        | 0                   | 2             | 24                | 0.70                         | 0.20                      | 67.17              | 62                         | 0.044826                        |
| 2024 | 3         | 3                 | 5306         | 0                   | 2             | 62                | 2.25                         | 0.83                      | 47.94              | 38                         | 0.027557                        |
| 2024 | 3         | 3                 | 70110        | 0                   | 2             | 145               | 1.72                         | 0.38                      | 53.58              | 41.08                      | 0.014035                        |
| 2024 | 3         | 3                 | 5145         | 0                   | 2             | 22                | 2.24                         | 0.37                      | 61.06              | 30.88                      | 0.063152                        |
| 2024 | 3         | 3                 | 15580        | 0                   | 2             | 75                | 1.63                         | 0.53                      | 49.58              | 45.35                      | 0.020971                        |
| 2024 | 3         | 3                 | 27810        | 0                   | 2             | 141               | 1.50                         | 0.63                      | 66.07              | 43.89                      | 0.049838                        |
| 2024 | 3         | 3                 | 20570        | 0                   | 2             | 38                | 1.05                         | 0.24                      | 68.66              | 78.92                      | 0.077432                        |
| 2024 | 3         | 3                 | 41244        | 0                   | 2             | 40                | 1.53                         | 0.55                      | 53.21              | 33.17                      | 0.028919                        |
| 2024 | 3         | 3                 | 52885        | 0                   | 2             | 39                | 1.16                         | 0.45                      | 73.40              | 60.25                      | 0.069794                        |
| 2024 | 3         | 3                 | 52411        | 0                   | 2             | 40                | 1.77                         | 0.38                      | 57.74              | 28.77                      | 0.073074                        |
| 2024 | 3         | 3                 | 19693        | 0                   | 2             | 44                | 1.10                         | 0.25                      | 56.65              | 45.44                      | 0.040516                        |
| 2024 | 3         | 3                 | 99524        | 0                   | 2             | 41                | 0.67                         | 0.48                      | 90.58              | 92.08                      | 0.048915                        |
| 2024 | 3         | 3                 | 47053        | 0                   | 2             | 132               | 1.23                         | 0.28                      | 57.68              | 40.30                      | 0.053619                        |
| 2024 | 3         | 3                 | 23815        | 0                   | 2             | 46                | 0.98                         | 0.59                      | 51.56              | 43.26                      | 0.021236                        |
| 2024 | 3         | 3                 | 50251        | 0                   | 2             | 59                | 1.01                         | 0.70                      | 66.12              | 40.03                      | 0.058716                        |
| 2024 | 3         | 3                 | 66318        | 0                   | 2             | 55                | 1.90                         | 0.35                      | 58.41              | 26.75                      | 0.062724                        |
| 2024 | 3         | 3                 | 70523        | 0                   | 2             | 9                 | 0.86                         | 0.34                      | 54.36              | 32.36                      | 0.024920                        |
| 2024 | 3         | 3                 | 68780        | 0                   | 2             | 90                | 1.12                         | 0.45                      | 53.59              | 40.92                      | 0.032985                        |
| 2024 | 3         | 3                 | 5789         | 0                   | 2             | 79                | 0.93                         | 0.34                      | 58.48              | 42.89                      | 0.038615                        |
| 2024 | 3         | 3                 | 15778        | 0                   | 2             | 30                | 0.85                         | 0.49                      | 53.01              | 41.74                      | 0.040738                        |
| 2024 | 3         | 3                 | 18256        | 0                   | 2             | 92                | 1.10                         | 0.63                      | 70.32              | 61.94                      | 0.042295                        |
| 2024 | 3         | 3                 | 41770        | 0                   | 2             | 57                | 1.59                         | 0.29                      | 60.19              | 32.29                      | 0.008756                        |
| 2024 | 3         | 3                 | 68745        | 0                   | 2             | 103               | 1.37                         | 0.44                      | 51.06              | 48.36                      | 0.040029                        |
| 2024 | 3         | 3                 | 15740        | 0                   | 2             | 71                | 1.13                         | 1.00                      | 49.22              | 41.27                      | 0.039431                        |
| 2024 | 3         | 3                 | 15223        | 0                   | 2             | 45                | 0.54                         | 0.53                      | 67.34              | 68.96                      | 0.039573                        |
| 2024 | 3         | 3                 | 15757        | 0                   | 2             | 80                | 0.83                         | 0.70                      | 51.95              | 41.94                      | 0.048274                        |
| 2024 | 3         | 3                 | 27580        | 0                   | 2             | 45                | 2.01                         | 0.70                      | 54.01              | 37.99                      | 0.014665                        |
| 2024 | 3         | 3                 | 81300        | 0                   | 2             | 29                | 1.20                         | 0.28                      | 92.11              | 43.71                      | 0.041696                        |
| 2024 | 3         | 3                 | 50150        | 0                   | 2             | 124               | 1.73                         | 0.40                      | 50.45              | 46.90                      | 0.044723                        |
| 2024 | 3         | 3                 | 13549        | 0                   | 2             | 13                | 1.25                         | 0.26                      | 65.33              | 68.27                      | 0.039651                        |
| 2024 | 3         | 3                 | 5125         | 0                   | 2             | 32                | 0.41                         | 0.28                      | 62.57              | 60.71                      | 0.032802                        |
| 2024 | 3         | 3                 | 5756         | 0                   | 2             | 146               | 1.15                         | 0.30                      | 67.25              | 53.30                      | 0.043857                        |
| 2024 | 3         | 3                 | 15183        | 0                   | 2             | 24                | 1.11                         | 0.61                      | 84.46              | 66.39                      | 0.019609                        |
| 2024 | 3         | 3                 | 13006        | 0                   | 2             | 17                | 0.75                         | 0.51                      | 58.86              | 34.28                      | 0.026179                        |
| 2024 | 3         | 3                 | 70429        | 0                   | 2             | 42                | 0.97                         | 0.31                      | 73.69              | 53.86                      | 0.052694                        |
| 2024 | 3         | 3                 | 13655        | 0                   | 2             | 44                | 0.77                         | 0.21                      | 80.11              | 59.96                      | 0.043546                        |
| 2024 | 3         | 3                 | 15600        | 0                   | 2             | 134               | 1.34                         | 0.73                      | 47.62              | 31.33                      | 0.046250                        |
| 2024 | 3         | 3                 | 15425        | 0                   | 2             | 80                | 1.37                         | 0.66                      | 49.70              | 34.71                      | 0.029739                        |
| 2024 | 3         | 3                 | 41885        | 0                   | 2             | 67                | 2.55                         | 0.34                      | 60.11              | 34.27                      | 0.055317                        |
| 2024 | 3         | 3                 | 41660        | 0                   | 2             | 34                | 1.63                         | 0.29                      | 49.05              | 38.46                      | 0.017595                        |
| 2024 | 3         | 3                 | 25518        | 0                   | 2             | 48                | 1.66                         | 0.72                      | 46.16              | 44.29                      | 0.030274                        |
| 2024 | 3         | 3                 | 76497        | 0                   | 2             | 50                | 2.65                         | 0.41                      | 55.27              | 21.66                      | 0.068412                        |
| 2024 | 3         | 3                 | 5197         | 0                   | 2             | 151               | 1.08                         | 0.47                      | 55.94              | 38.10                      | 0.040873                        |
| 2024 | 3         | 3                 | 70204        | 0                   | 2             | 25                | 1.44                         | 0.23                      | 54.91              | 43.34                      | 0.029792                        |
| 2024 | 3         | 3                 | 50270        | 0                   | 2             | 19                | 1.52                         | 0.93                      | 45.10              | 31.40                      | 0.039874                        |
| 2024 | 3         | 3                 | 13873        | 0                   | 2             | 7                 | 0.67                         | 0.23                      | 58.56              | 65.97                      | 0.022667                        |
| 2024 | 3         | 3                 | 76377        | 0                   | 2             | 43                | 1.64                         | 0.28                      | 59.41              | 44.93                      | 0.037910                        |
| 2024 | 3         | 3                 | 13222        | 0                   | 2             | 44                | 2.10                         | 0.32                      | 54.32              | 34.79                      | 0.063734                        |
| 2024 | 3         | 3                 | 5310         | 0                   | 2             | 33                | 1.84                         | 0.60                      | 56.26              | 36.42                      | 0.023533                        |
| 2024 | 3         | 3                 | 52378        | 0                   | 2             | 60                | 1.16                         | 0.27                      | 66.85              | 55.57                      | 0.046617                        |
| 2024 | 3         | 3                 | 25279        | 0                   | 2             | 34                | 0.80                         | 0.59                      | 47.41              | 34.91                      | 0.037623                        |
| 2024 | 3         | 3                 | 5659         | 0                   | 2             | 105               | 1.48                         | 0.44                      | 65.04              | 31.01                      | 0.033820                        |
| 2024 | 3         | 3                 | 5649         | 0                   | 2             | 34                | 2.00                         | 0.51                      | 55.28              | 40.61                      | 0.038621                        |
| 2024 | 3         | 3                 | 76054        | 0                   | 2             | 25                | 2.07                         | 0.73                      | 56.77              | 46.04                      | 0.037472                        |
| 2024 | 3         | 3                 | 15537        | 0                   | 2             | 44                | 1.31                         | 0.83                      | 47.02              | 32.83                      | 0.052324                        |
| 2024 | 3         | 3                 | 5483         | 0                   | 2             | 90                | 0.87                         | 0.28                      | 75.53              | 50.24                      | 0.024166                        |
| 2024 | 3         | 3                 | 41359        | 0                   | 2             | 61                | 2.36                         | 0.41                      | 59.37              | 40.33                      | 0.055214                        |
| 2024 | 3         | 3                 | 73504        | 0                   | 2             | 53                | 0.97                         | 0.33                      | 50.69              | 49.76                      | 0.061585                        |
| 2024 | 3         | 3                 | 86571        | 0                   | 2             | 26                | 2.57                         | 0.34                      | 51.28              | 26.74                      | 0.126107                        |
| 2024 | 3         | 3                 | 99001        | 0                   | 2             | 32                | 2.09                         | 0.61                      | 80.67              | 89                         | 0.079039                        |
| 2024 | 3         | 3                 | 15480        | 0                   | 2             | 27                | 1.06                         | 0.63                      | 49.63              | 45.63                      | 0.050245                        |
| 2024 | 3         | 3                 | 27430        | 0                   | 2             | 4                 | 1.33                         | 0.45                      | 57.64              | 41.40                      | 0.032146                        |
| 2024 | 3         | 3                 | 15293        | 0                   | 2             | 25                | 2.46                         | 0.77                      | 41.40              | 16.02                      | 0.026258                        |
| 2024 | 3         | 3                 | 68684        | 0                   | 2             | 21                | 0.63                         | 0.71                      | 54.04              | 35.71                      | 0.018905                        |
| 2024 | 3         | 3                 | 54344        | 0                   | 2             | 41                | 1.35                         | 0.65                      | 53.35              | 28.82                      | 0.053124                        |
| 2024 | 3         | 3                 | 63302        | 0                   | 2             | 44                | 1.49                         | 0.34                      | 53.69              | 26.03                      | 0.038344                        |
| 2024 | 3         | 3                 | 86755        | 0                   | 2             | 16                | 1.55                         | 0.35                      | 56.47              | 36.81                      | 0.065334                        |
| 2024 | 3         | 3                 | 66456        | 0                   | 2             | 60                | 0.87                         | 0.37                      | 62.04              | 44.30                      | 0.032329                        |
| 2024 | 3         | 3                 | 73675        | 0                   | 2             | 71                | 0.47                         | 0.26                      | 55.63              | 41.86                      | 0.008000                        |
| 2024 | 3         | 3                 | 47798        | 0                   | 2             | 15                | 1.54                         | 0.37                      | 52.22              | 32.94                      | 0.016500                        |
| 2024 | 3         | 3                 | 85400        | 0                   | 2             | 29                | 1.02                         | 0.29                      | 58.58              | 34.35                      | 0.026293                        |
| 2024 | 3         | 3                 | 15667        | 0                   | 2             | 87                | 4.34                         | 0.86                      | 41.08              | 27.05                      | 0.017357                        |
| 2024 | 3         | 3                 | 20310        | 0                   | 2             | 3                 | 0.93                         | 0.19                      | 47.83              | 45.75                      | 0.009000                        |
| 2024 | 3         | 3                 | 47541        | 0                   | 2             | 28                | 1.21                         | 0.25                      | 61.63              | 30.47                      | 0.042607                        |
| 2024 | 3         | 3                 | 70400        | 0                   | 2             | 19                | 1.35                         | 0.33                      | 51.74              | 27.86                      | 0.089476                        |
| 2024 | 3         | 3                 | 25436        | 0                   | 2             | 28                | 1.56                         | 0.82                      | 45.57              | 21.17                      | 0.012608                        |
| 2024 | 3         | 3                 | 19760        | 0                   | 2             | 28                | 2.53                         | 0.32                      | 56.09              | 33.19                      | 0.084468                        |
| 2024 | 3         | 3                 | 54206        | 0                   | 2             | 91                | 0.91                         | 0.91                      | 64.19              | 46.53                      | 0.010017                        |
| 2024 | 3         | 3                 | 5628         | 0                   | 2             | 22                | 0.62                         | 0.39                      | 87                 | 61.27                      | 0.005123                        |
| 2024 | 3         | 3                 | 23090        | 0                   | 2             | 6                 | 2.30                         | 0.36                      | 52.14              | 11.89                      | 0.034005                        |
| 2024 | 3         | 3                 | 68720        | 0                   | 2             | 17                | 2.39                         | 0.37                      | 48.67              | 35.45                      | 0.022818                        |
| 2024 | 3         | 3                 | 25871        | 0                   | 2             | 37                | 1.56                         | 0.55                      | 43.05              | 22.97                      | 0.011389                        |
| 2024 | 3         | 3                 | 15464        | 0                   | 2             | 7                 | 0.94                         | 0.86                      | 44.50              | 16.25                      | 0.019288                        |
| 2024 | 3         | 3                 | 68855        | 0                   | 2             | 12                | 0.45                         | 0.37                      | 53                 | 64.96                      | 0.031077                        |
| 2024 | 3         | 3                 | 52678        | 0                   | 2             | 65                | 1.51                         | 0.26                      | 57.28              | 34.48                      | 0.058030                        |
| 2024 | 3         | 3                 | 73770        | 0                   | 2             | 64                | 2.31                         | 0.71                      | 42.48              | 24.70                      | 0.051049                        |
| 2024 | 3         | 3                 | 86573        | 0                   | 2             | 96                | 2.52                         | 0.51                      | 64.84              | 36.78                      | 0.028569                        |
| 2024 | 3         | 3                 | 23670        | 0                   | 2             | 25                | 0.82                         | 0.29                      | 48.43              | 32.43                      | 0.042834                        |
| 2024 | 3         | 3                 | 15212        | 0                   | 2             | 12                | 1.05                         | 0.63                      | 75.93              | 36.93                      | 0.031783                        |
| 2024 | 3         | 3                 | 68152        | 0                   | 2             | 25                | 1.86                         | 1.18                      | 50.16              | 30.64                      | 0.051827                        |
| 2024 | 3         | 3                 | 13650        | 0                   | 2             | 59                | 1.69                         | 0.26                      | 64.81              | 60.39                      | 0.028632                        |
| 2024 | 3         | 3                 | 27413        | 0                   | 2             | 13                | 1.12                         | 0.72                      | 59.85              | 32.69                      | 0.025311                        |
| 2024 | 3         | 3                 | 68368        | 0                   | 2             | 12                | 0.71                         | 0.31                      | 57.62              | 61.15                      | 0.008086                        |
| 2024 | 3         | 3                 | 13490        | 0                   | 2             | 19                | 0.65                         | 0.24                      | 80.23              | 26.55                      | 0.020069                        |
| 2024 | 3         | 3                 | 5856         | 0                   | 2             | 45                | 1.55                         | 0.34                      | 59.32              | 46.82                      | 0.054587                        |
| 2024 | 3         | 3                 | 19022        | 0                   | 2             | 30                | 1.19                         | 0.71                      | 61.87              | 42.87                      | 0.038165                        |
| 2024 | 3         | 3                 | 68176        | 0                   | 2             | 28                | 1.49                         | 0.68                      | 49.66              | 29.20                      | 0.030218                        |
| 2024 | 3         | 3                 | 68217        | 0                   | 2             | 23                | 1.79                         | 0.38                      | 51.43              | 22.64                      | 0.023720                        |
| 2024 | 3         | 3                 | 66687        | 0                   | 2             | 30                | 1.77                         | 0.25                      | 59.44              | 40                         | 0.055542                        |



INDICADORES DE CALIDAD PARA EL SERVICIO DE DATOS  
MÓVILES BASADOS EN MEDICIONES EXTERNAS  
ÁMBITO GEOGRÁFICO MUNICIPAL 3Q2023

| ANNO | TRIMESTRE | MES_DEL_TRIMESTRE | ID_MUNICIPIO | ID_LOCALIDAD_COMUNA | ID_TECNOLOGIA | CANTIDAD_MUESTRAS | INDICADOR_VELOCIDAD_DESCARGA | INDICADOR_VELOCIDAD_CARGA | INDICADOR_LATENCIA | INDICADOR_FLUCTUACION_FASE | INDICADOR_TASA_PERDIDA_PAQUETES |
|------|-----------|-------------------|--------------|---------------------|---------------|-------------------|------------------------------|---------------------------|--------------------|----------------------------|---------------------------------|
| 2024 | 3         | 3                 | 52036        | 0                   | 2             | 4                 | 4.59                         | 0.33                      | 49.50              | 10.50                      | 0.021216                        |
| 2024 | 3         | 3                 | 13894        | 0                   | 2             | 35                | 1.29                         | 0.30                      | 71.12              | 43.43                      | 0.042733                        |
| 2024 | 3         | 3                 | 15226        | 0                   | 2             | 16                | 2.00                         | 0.59                      | 45.20              | 53.50                      | 0.018098                        |
| 2024 | 3         | 3                 | 73624        | 0                   | 2             | 52                | 1.03                         | 0.27                      | 47.91              | 36.07                      | 0.044765                        |
| 2024 | 3         | 3                 | 19450        | 0                   | 2             | 93                | 2.53                         | 0.29                      | 53.89              | 32.74                      | 0.056253                        |
| 2024 | 3         | 3                 | 18610        | 0                   | 2             | 31                | 1.35                         | 0.35                      | 87.27              | 58.23                      | 0.053154                        |
| 2024 | 3         | 3                 | 15162        | 0                   | 2             | 50                | 1.30                         | 0.85                      | 47.31              | 32.20                      | 0.024655                        |
| 2024 | 3         | 3                 | 68524        | 0                   | 2             | 61                | 1.09                         | 0.75                      | 50.91              | 41.03                      | 0.063830                        |
| 2024 | 3         | 3                 | 5055         | 0                   | 2             | 3                 | 0.47                         | 0.07                      | 92                 | 51                         | 0.001600                        |
| 2024 | 3         | 3                 | 15106        | 0                   | 2             | 9                 | 0.71                         | 0.93                      | 44.64              | 48.20                      | 0.040750                        |
| 2024 | 3         | 3                 | 25653        | 0                   | 2             | 17                | 1.18                         | 0.44                      | 55.08              | 37.91                      | 0.029045                        |
| 2024 | 3         | 3                 | 27660        | 0                   | 2             | 8                 | 0.37                         | 0.44                      | 63.64              | 63.64                      | 0.033062                        |
| 2024 | 3         | 3                 | 68013        | 0                   | 2             | 3                 | 0.93                         | 0.20                      | 46.25              | 38.56                      | 0.013644                        |
| 2024 | 3         | 3                 | 27450        | 0                   | 2             | 21                | 1.74                         | 1.18                      | 59.05              | 36.66                      | 0.101534                        |
| 2024 | 3         | 3                 | 99773        | 0                   | 2             | 19                | 0.42                         | 0.34                      | 516.60             | 110.80                     | 0.009444                        |
| 2024 | 3         | 3                 | 47205        | 0                   | 2             | 36                | 2.02                         | 0.37                      | 60.32              | 43.02                      | 0.065487                        |
| 2024 | 3         | 3                 | 54245        | 0                   | 2             | 37                | 0.87                         | 0.86                      | 48.34              | 50.11                      | 0.033328                        |
| 2024 | 3         | 3                 | 5543         | 0                   | 2             | 20                | 0.37                         | 0.73                      | 53.29              | 54.52                      | 0.003242                        |
| 2024 | 3         | 3                 | 68298        | 0                   | 2             | 36                | 1.65                         | 0.73                      | 57.57              | 52.20                      | 0.080222                        |
| 2024 | 3         | 3                 | 52696        | 0                   | 2             | 13                | 1.10                         | 0.28                      | 74.19              | 46.54                      | 0.028286                        |
| 2024 | 3         | 3                 | 15248        | 0                   | 2             | 29                | 1.11                         | 0.63                      | 73.29              | 57.21                      | 0.028924                        |
| 2024 | 3         | 3                 | 13212        | 0                   | 2             | 33                | 0.89                         | 0.39                      | 61.38              | 56.06                      | 0.042810                        |
| 2024 | 3         | 3                 | 18460        | 0                   | 2             | 14                | 1.24                         | 0.27                      | 62.03              | 58.59                      | 0.009714                        |
| 2024 | 3         | 3                 | 19821        | 0                   | 2             | 42                | 1.51                         | 0.42                      | 52.34              | 47.89                      | 0.057066                        |
| 2024 | 3         | 3                 | 13248        | 0                   | 2             | 8                 | 1.79                         | 0.26                      | 56.14              | 57.17                      | 0.031702                        |
| 2024 | 3         | 3                 | 5361         | 0                   | 2             | 21                | 2.26                         | 0.30                      | 55.98              | 44.76                      | 0.041458                        |
| 2024 | 3         | 3                 | 18756        | 0                   | 2             | 38                | 1.53                         | 0.25                      | 68.72              | 62.55                      | 0.023250                        |
| 2024 | 3         | 3                 | 20295        | 0                   | 2             | 32                | 1.90                         | 0.27                      | 68.64              | 43.03                      | 0.042404                        |
| 2024 | 3         | 3                 | 73622        | 0                   | 2             | 8                 | 2.09                         | 0.35                      | 46.39              | 20.31                      | 0.012667                        |
| 2024 | 3         | 3                 | 13760        | 0                   | 2             | 7                 | 1.11                         | 0.27                      | 60.67              | 35.11                      | 0.044068                        |
| 2024 | 3         | 3                 | 52233        | 0                   | 2             | 10                | 2.33                         | 0.35                      | 59.42              | 15.92                      | 0.011452                        |
| 2024 | 3         | 3                 | 76863        | 0                   | 2             | 17                | 1.03                         | 0.81                      | 56.06              | 27.44                      | 0.085896                        |
| 2024 | 3         | 3                 | 73152        | 0                   | 2             | 19                | 2.22                         | 0.37                      | 50.25              | 21.73                      | 0.008873                        |
| 2024 | 3         | 3                 | 15368        | 0                   | 2             | 17                | 1.18                         | 0.78                      | 58.18              | 39.39                      | 0.027346                        |
| 2024 | 3         | 3                 | 15522        | 0                   | 2             | 8                 | 2.67                         | 1.34                      | 46.50              | 71.89                      | 0.106915                        |
| 2024 | 3         | 3                 | 73686        | 0                   | 2             | 7                 | 1.12                         | 0.32                      | 53.29              | 32.86                      | 0.005778                        |
| 2024 | 3         | 3                 | 27077        | 0                   | 2             | 3                 | 0.55                         | 0.24                      | 61                 | 50.40                      | 0.030288                        |
| 2024 | 3         | 3                 | 54599        | 0                   | 2             | 3                 | 1.20                         | 0.69                      | 52.33              | 42.67                      | 0.024930                        |
| 2024 | 3         | 3                 | 19473        | 0                   | 2             | 1                 | 2.12                         | 3.91                      | 145                | 4                          | 0.102000                        |
| 2024 | 3         | 3                 | 68101        | 0                   | 2             | 19                | 1.65                         | 0.42                      | 57.80              | 27.63                      | 0.025150                        |
| 2024 | 3         | 3                 | 52621        | 0                   | 2             | 3                 | 0.23                         | 0.16                      | 63.80              | 43.40                      | 0.009335                        |
| 2024 | 3         | 3                 | 27025        | 0                   | 2             | 4                 | 2.88                         | 0.67                      | 56.25              | 7.50                       | 0.067500                        |